Scaffolding safety ppt slideshare

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33 Foils Pump Jack/Ladder Jack Scaffold This presentation uses photos to provide Highlite violations of OSHA regulations regarding scaffolding and use. 51 Dias Scaffolding Safety Developed for the construction industry, this presentation discusses scaffolding used in workplaces covered by OSHA regulations. 84 Dias Scaffolding Safety designed for the construction industry, this presentation discusses scaffolding used in workplaces covered by OSHA regulations. 50 slidescaffolding Estimated 2.3 million construction workers, or 65 percent of the construction industry, often work on scaffolding. Protecting these workers from scaffolding-related accidents would prevent 4,500 injuries and 50 deaths a year, saving American employers '90 million in working days that are not lost. 55 Slides Scaffolding Security Presentation by Summit Training Source, Inc. Scaffolding Files Browse our collection of scaffolding Security Presentation by Summit Training Source, Inc. Scaffolding Security Presentation Brown Securit more scaffolding PowerPoints? Use this Google Search Link to find virtually everything the web has to offer on scaffolding in PowerPoint format. TEXT VERSION OF SLIDE: Title: Slide 30 Type: Image Slide Content: This slide is a great example OF WHAT NOT to do for scaffolding bases and sills. The concrete blocks are six high stacked, there are no base slabs on some legs, scaffolding legs are on unstable objects, and there is improper/inadequate stiffening. [Contains an image of scaffolding with improper and insufficient stiffening] Back to the Top The Department of Labor does not support responsibility and does not exercise control over the linked organization or its views or content, nor does it guarantee the accuracy or accessibility of the information contained on the target server. The Department of Labor also cannot authorize the use of copyrighted material contained in linked website. Please click on the button below to continue. Close hundreds of links to free PowerPoint security presentations! Below are links to free PowerPoints; rather, we simply link to this in the same way as the Google search engine would do. We prefer PowerPoint presentations to videos for group security meetings because they allow the instructor to customize the content, control the tempo, and pause the program to answer questions. For quick PowerPoint presentation tips, see Five Rules Rules Rules More effective PowerPoint presentations. If you can't find a Power Point presentation that you can use from our following offerings, check out PPT Search Engine or SlideShare uses cookies to improve functionality and performance and to provide you with relevant advertising. If you continue to visit the website, you agree to the use of cookies on this website. See our User Agreement and Privacy Policy. Slideshare uses cookies to improve functionality and performance and to provide you with relevant advertising. If you continue to visit the website, you agree to the use of cookies on this website. For more information, please see our Privacy Policy and User Agreement. Slideshare uses cookies to improve functionality and performance and to provide you with relevant advertising. If you continue to visit the website, you agree to the use of cookies on this website, you agree to the use of cookies on this website. See our User Agreement and Privacy Policy. continue to visit the website, you agree to the use of cookies on this website. For more information, please see our Privacy Policy and User Agreement. No notes for slide & amp; t; number & amp employees are the target group, this presentation emphasizes the focus on hazard identification, prevention and control, not standards. There was no attempt to deal with the issue exhaustively. It is important that trainers tailor their presentations of the Occupational Safety and Health Act of 1970 or for any standards issued by the U.S. Department of Labor. The mention of trade names, commercial products or organizations does not imply endorsement by the U.S. Department of Labor. This standard applies to all construction workers and employers working on, under or in the immediate vicinity of scaffolding and air lifts. Staff construction and dismantling scaffolding are also covered. General References: OSHA Publications/osha3150.pdf - OSHA Construction Scaffolding eCAT www.osha.gov/SLTC/scaffolding_ecat/index.html Supported scaffold - one or more platforms supported by outrigger beams, brackets, poles, legs, uprights, posts, frames, or similar rigid Suspension scaffolding - one or more platforms supported by outrigger beams, brackets, poles, legs, uprights, posts, frames, or similar rigid Suspension scaffolding - one or more platforms supported by outrigger beams, brackets, poles, legs, uprights, posts, frames, or similar rigid Suspension scaffolding - one or more platforms supported by outrigger beams, brackets, poles, legs, uprights, posts, frames, or similar rigid Suspension scaffolding - one or more platforms supported by outrigger beams, brackets, poles, legs, uprights, posts, frames, or similar rigid Suspension scaffolding - one or more platforms supported by outrigger beams, brackets, poles, legs, uprights, posts, frames, or similar rigid Suspension scaffolding - one or more platforms supported by outrigger beams, brackets, poles, legs, uprights, posts, frames, or similar rigid Suspension scaffolding - one or more platforms supported by outrigger beams, brackets, poles, legs, uprights, posts, frames, or similar rigid Suspension scaffolding - one or more platforms supported by outrigger beams, brackets, poles, legs, uprights, posts, frames, or similar rigid Suspension scaffolding - one or more platforms supported by outrigger beams, brackets, poles, legs, uprights, posts, frames, poles, legs, uprights, posts, legs, uprights, posts, poles, legs, uprights, posts, legs, uprights, le Approximately two of three constructions constructions (2.3 million) often work on scaffolding. Protecting these workers from accidents involving scaffolding would prevent 4,500 injuries and 50 deaths a year, saving as much as 90 million dollars on working days that are not lost. See the Page Scaffolding Technical Links www.osha.gov/SLTC/scaffolding/index.html Reference 1926.451(g) Personal Fall Security System - a system used to arrest an employee's fall. It consists of an anchorage, connectors, a body belt or a body belt or a body belt or a system used to arrest an employee's fall. It consists of an anchorage, connectors, a body belt or a system used to arrest an employee's fall. It consists of an anchorage, connectors, a body belt or a system used to arrest an employee's fall. It consists of an anchorage, connectors, a body belt or a system used to arrest an employee's fall. It consists of an anchorage, connectors, a body belt or a system used to arrest an employee's fall. It consists of an anchorage, connectors, a body belt or a system used to arrest an employee's fall. scaffolding used. & amp;lt;number & amp;gt; Reference 1926.451(g)(1), (g)(4), b)(3) and Annex A, paragraph 1d. 38 inches minimum guardrail height, where fall protection systems are primary fall protection. Protect yourself from crashing between the upper rail and surface by using center rails, sieds, or mesh. Protective barriers must be strong enough to support a falling employee. Wooden, chain and wire ropes can be used for top and middle rails. Top rails - 36-48 inches above the work platform. Guardrails are not required: • if the front end of all platforms is less than 14 inches from the front edge & amp; t; number belts and their components, such as anchorage points, lifelines, Dee rings and carabiner hooks. What will my personal fall protection system do to protect me? A personal fall protection system do to protect me? A personal fall protection system do to protect me? A personal fall protection systems. A few important requirements: There should be no free fall more than 6 feet. After a fall, there should be a guick rescue. Check PFAs before each use. Do not use PFAS until they have been verified by a competent person. An expert person must determine the feasibility and safety of fall protection for employees who set up or dismantle supported scaffolding. Reference 1926.451(g) What case protection do I need when working on scaffolding - personal fall protection system. One- or two-point adjustable scaffolding - personal fall protection system. Crawling Board – personal fall protection system, a quardrail system or through a three-quarter diameter gripping line or equivalent handle securely attached to each creepboard. On a within a scaffolding – quardrail system within 9 1/2 inches and along at least one side of the pavement Installed on a supported scaffolding when performing overhand stone distortions – personal pull train control system or quardrail system on all open sides and ends of the scaffolding. For all other scaffolding, a personal fall protection system or a guardrail system Reference 1926.451(h)(1) & amp; amp; (2) & amp; amp; (3) How can I be protected from falling objects when working on a scaffolding? The main protection is to always wear a hardhat. In addition, the employer must install toe boards, sieves or guardrail systems above the worker on scaffolding or by erecting debris nets, fishing platforms or treetop structures containing or distracting the falling objects are too large to be held by toe boards, sevens or guardrail systems, the employer must place these items away from the edge of the surface from which they might fall, and secure these materials, if necessary, to prevent them from falling. Workers on scaffolding must be aware of the employees working under them, who are at risk of objects falling off the scaffolding. If there is such a risk, the employer must erect a barricade to prevent workers from working under the scaffolding or toeboard or an edge at the edge of the platform. 1926.451(f)(6) The standard requires specific distances, see 1926.451(f)(6) for a table listing these distances. Scaffolding may be closer to denstrom lines than indicated if the evacuation is required for the execution of work, but only after the utility or the operator of the electrical system has been informed of the need to work more closely and energizes or lays the lines or installs protective covers to prevent contact with the lines. Shder blocks or similar materials should not be used to support scaffolding as they could be crushed. Every time there is insufficient support, improper construction or a shift in the components of the scaffolding (including the base on which the structure is built), there is a risk of collapse. Reference 1926.451(b) and a) How wide must the work area is less than 18 inches wide, quardrails and/or personal fall protection systems must be used. on a walkway within a scaffolding must be protected by a guardrail installed within 9 1/2 inches and along at least one side of the walkway. The planks should be classified and marked as scaffolding. Reference 1926.451(b) Leading edge of all platforms - No more than 14& quot; from the face of work - 3& quot; from the face for boom scaffolding - 18& quot; from the face for plastering and turning operations platforms 10& quot; extend previous support unless designed and installed and/or properly quarded platforms larger than 10& quot; extend previous support unless designed and installed and/or properly quarded platforms larger than 10& quot; extend previous support unless designed and installed and/or properly quarded platforms larger than 10& quot; extend previous support unless designed and installed and/or properly quarded platforms larger than 10& quot; extend previous support unless designed and installed and/or properly quarded platforms larger than 10& quot; extend previous support unless designed and installed and/or properly quarded platforms larger than 10& quot; extend previous support unless designed and installed and/or properly quarded platforms larger than 10& quot; extend previous support unless designed and installed and/or properly quarded platforms larger than 10& quot; extend previous support unless designed and installed and/or properly quarded platforms larger than 10& quot; extend previous support unless designed and installed and/or properly quarded platforms larger than 10& quot; extend previous support unless designed and installed and/or properly quarded platforms larger than 10& quot; extend previous support unless designed and installed and/or properly quarded platforms larger than 10& quot; extend previous support unless designed and installed and/or properly quarded platforms larger than 10& quot; extend previous support unless designed and installed and/or properly quarded platforms larger than 10& quot; extend previous support unless designed and installed and/or properly quarded platforms larger than 10& quot; extend platforms installed and/or properly guarded reference 1926.451(b) identification color can be used at the edges of the wooden planks. Do not use different metals in scaffolding assembly 1926.451(b) identification color can be used at the edges of the wooden planks. Do not use different metals in scaffolding assembly 1926.451(b) identification color can be used at the edges of the wooden planks. Do not use different metals in scaffolding assembly 1926.451(b) identification color can be used at the edges of the wooden planks. exposed part of the platform can support employees and/or materials without tilting or has overconductors that block the access of the employees to the unlocking end. Any platform more than 10 feet long must not extend its support of more than 10 feet long must no support employees without tipping over, or has guardrails that block employee access to the free-supporting end. Reference 1926.451(c) Framed squares of metal or wood, usually mounted on site The structural elements: rods, legs, posts, frames and uprights must be glued and clamped to prevent fluctuation and displacement. Supported scaffolding with an altitude-base width ratio of more than 4:1 must be retained by guying, binding, stiffening or an equivalent agent. How can i.e. prevent supported scaffolding from tipping? Either the manufacturer's recommendation or the following placements must be used for guys, ties and brackets: • Install guys, ties or brackets at the nearest horizontal element to 4:1 height and repeat vertically with the upper restraint no further than three feet wide; all 26 feet or less for scaffolding less than three feet wide; all 26 feet or less for scaffolding that is more than three feet wide; all 26 feet or less for scaffolding that is more than three feet wide. • Horizontal - at each end; at intervals not more than 30 feet from one end. 1926.451 e) Access requirements for employees who set up and dismantle supported scaffolding -- Must have a secure means of access when a competent person has determined the feasibility and analyzed the location conditions. Direct access to or from another surface may only be used if the scaffolding is not more than 14 inches horizontal lyless and 24 inches vertically from the other surface. Portable, hook-on and connectable ladders - position so as not to tilt the scaffolding. Hook-on and pluggable ladders - must be specially designed for the type of scaffolding with which they developed. Ramps and sidewalks - must be specially designed for the type of scaffolding with which they developed. Ramps and sidewalks - must be specially designed for the type of scaffolding with which they developed. Ramps and sidewalks - must be specially designed for the type of scaffolding with which they developed. Ramps and sidewalks - must be specially designed for the type of scaffolding with which they developed. Ramps and sidewalks - must be specially designed for the type of scaffolding with which they developed. towers - lower level not more than 24 inches above the level at which the scaffolding is supported. Built-in scaffolding ladders - must be specially designed and built for use as ladder rungs. Be. 1926.450bb), 192 support at least six times the maximum maximum maximum load transferred or transferred to this rope without errors. 1926.451(f)(5) Scaffolding may not be moved horizontally as long as the workers are present on them, unless they have been designed by an approved professional engineer specifically for this movement or for mobile scaffolding, provided that the provisions of 1926.452(w) are complied with. 1926.452(w) are complied with. 1926.452(w) (6) Workers cannot drive on scaffolding is designed and constructed in such a way that it meets or exceeds the nationally recognised stability test requirements. When using drive systems, the drive force is applied directly to the wheels and does not generate a speed of more than 1 foot per second; No employee is on any part of the scaffolding that extends outwards over the wheels, rollers or other supports. 1926.451(f) Shore scaffolding - a support scaffolding placed against a building or structure and held with props lean-to-scaffolding beyond its maximum intended loads or nominal capacities, whichever is lower. Reference 1926.451(f) 1926.451(g)(1)(vi) 1926.451(f)(3), 1926(f)(4) A competent person must examine scaffolding and structural integrity. Any part of a scaffold that is damaged or weakened in such a way that its strength is less than the required, immediately repaired or replaced, is curly to comply with these provisions or is taken out of service until repair. 1926.451(f)(7) The activities must be carried out by experienced and trained staff selected by the person responsible. 1926.451(f)(7) The activities must be carried out by experienced and trained staff selected by the person responsible. access and fall protection for these operations. 1926.452(c)(6) Scaffolding that succumbs more than 125 feet above the base plates must be designed by an approved technical engineer and designed and loaded according to the design. Reference 1926,454 employees who are on a scaffolding must be trained by a qualified person to identify the hazards associated with the type of scaffolding used and to understand the procedures for controlling and minimising those hazards, fall object hazards, fall object hazards, fall object hazards, electrical proper use of the scaffolding and handling of the materials. A competent person must train all employees who set up, disassemble, move, operate, repair, maintain or inspect scaffolding. The training must cover the hazards, the correct procedures for erecting, disassembly, moving, operating, repairing, testing and maintaining the scaffolding. 1926.454 (b) Annex D contains a guide to other recommended topics such as PPE, access and boys, ties, brackets and parts inspection, which should be used to train scaffolding and dismantling trolleys. Retraining if: Changes in the workplace represent a new hazard Changes in scaffolding indicates the need 1926.454(b) 1926.454 (c) The training must also include the design criteria, maximum intended load-bearing capacity and proper use of the scaffolding If the employer has reason to believe that the that an employee does not have the skills or understanding required for safe scaffolding, the employer www.osha.gov/Publications/osha3150.pdf that worker: OSHA Construction Scaffolding eCAT www.osha.gov/SLTC/scaffolding_ecat/index.html Other standards that apply to scaffolding -- responsibility for the initiation and maintenance of programs (1926.502) -- Ladders (1926.1050 -.1060) -- Exposure to dust and chemicals (1926.400 -.449) -- Personal Fall Safety Systems (1926.502) -- Ladders (1926.1050 -.1060) -.1060)

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