



Safety Rail Source®

NEXTGEN CONTINUOUS RAILING™

INSTALLATION INSTRUCTIONS

Use these instructions as part of a training program as required by OSHA and any applicable state agency. The user must understand how to safely use the NextGen Continuous Railing™ system and all safety equipment used in combination with the system. A competent person who is highly trained and experienced, assigned by the employer, must be responsible for all elements of a fall safety program, including the regulation, management, and application as it relates to the use of the NextGen Continuous Railing™ system.

Safety Information

Serious injury, bodily harm or death may result if there is a failure to understand and comply with safety regulations. These instructions are not all-inclusive and are for reference only and not intended to replace a competent person, knowledge or judgment of Federal and State Standards. A new OSHA Rule is in affect: Walking-Working Surfaces, 1910.28, please consult this as well as all local, State and Federal OSHA rules.

Workplace conditions including, but not limited to weather conditions, corrosive chemicals, potential electrical hazards, sharp objects, and slope of the surface must be evaluated by a competent person before equipment is selected and before work begins. DO NOT misuse equipment. DO NOT alter equipment. Unprotected leading edges and sides that are 6 feet or more above the next lowest level require the use of these guardrails, safety nets or personal fall protection devices. Never lean or climb on a NextGen Continuous Railing™.

Inspection of the NextGen Continuous Railing™ must take place routinely at intervals not to exceed 6 months. A competent person other than the end user must be responsible for the inspection of the guardrail system. All inspection must be recorded by a competent person who must sign their initials and date (month/year) in the appropriate box on the inspection grid decal for the month and year the inspection was conducted.

Prior to installation of the NextGen Continuous Railing™ System, a competent person must develop a system layout plan.

1. Evaluate the roof surface to confirm that the guardrail system will not be installed on top of gravel or slippery surfaces.
2. Measure the work surface area to be protected and space the Universal Base accordingly.
3. All bases must be located a minimum distance of 18" from a "no curb"/parapet leading edge, or openings. If the work location has a curb or parapet edge, the Base Plate can be placed perpendicular against the rise of the structure.
4. Always be aware of electrical hazards (ELECTRICITY KILLS). A minimum safe distance of 10 ft. away from power lines and other electrical hazards must be maintained at all times.
5. Base Plates must be oriented correctly with the Guardrails installed perpendicular. Toe boards, if used, are installed parallel to the guardrails.



Made in USA

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6. The NextGen Continuous Railing™ system must be installed in a continuous run, and must completely block all leading edges of potential fall hazards. Do not attempt to relocate a fully assembled system.
7. Guardrail Outriggers **MUST** be used at both ends of any interruption in continuous guardrail sections, or at both ends of a continuous railing section.
8. A Guardrail Outrigger is installed perpendicular to a continuous guardrail run. **IMPORTANT:** Bases must be perpendicular to the orientation of the guardrails. The base can be orientated with long or short edge pointed to the roof's leading edge. To minimize trip hazards, install short end of base away from leading edge.

Assembly and Use

1. Place all NextGen 3000 Universal Bases around the leading edge of the fall hazard area. Space the bases approximately 10' apart (8' apart in California) and at least 18" from roof edge with long side outward. If a parapet is present, bases may be set up to the parapet. Place one base within 20" of every corner, according to your specific layout.
2. Prepare each 42" upright post assembly
 - a. Insert 133C cap into top of 42" upright post.
 - b. Slide two 13705A drop-in fittings or two 45-7 fittings onto 42" upright post.
 - c. Set the top rail fitting to top of post and set the mid rail fitting 21" down from top of post.
 - d. Tighten set screws to 29 ft pounds to finish the post assembly.
3. Slide post assembly into the center position on the Base plate. Using an impact wrench & 1/2" socket, tighten the nyloc nuts on the wave bracket.
4. When assembling the rails into the Bases, position the rails between the fall hazard and the installers work area. Install top and mid rails using 10' pipe and connect with 13708 couplings (or 13701 elbows at corners). Stagger top and mid rail couplings. Only one coupling should be used on each rail between posts.
5. Cut top and mid rails as necessary for proper fit of your layout. Make sure posts are in a straight line wherever possible.
6. Tighten set screws on top and mid rail fittings to 29 ft pounds.
7. Install 5' returns on freestanding ends. Create D-returns with 21" rail and elbow fittings.

Use on Low Sloped Roofs

The NextGen Continuous Railing™ system can be used on a low sloped roof up to a 1/12 pitch. When the Guardrail is installed on a roof with a low slope of 1/12, an additional 5 ft. rail and guardrail base (outrigger) must be placed every 20 ft. Follow all other installation instructions of the Guardrail System. If you have questions, please contact Safety Rail Source.



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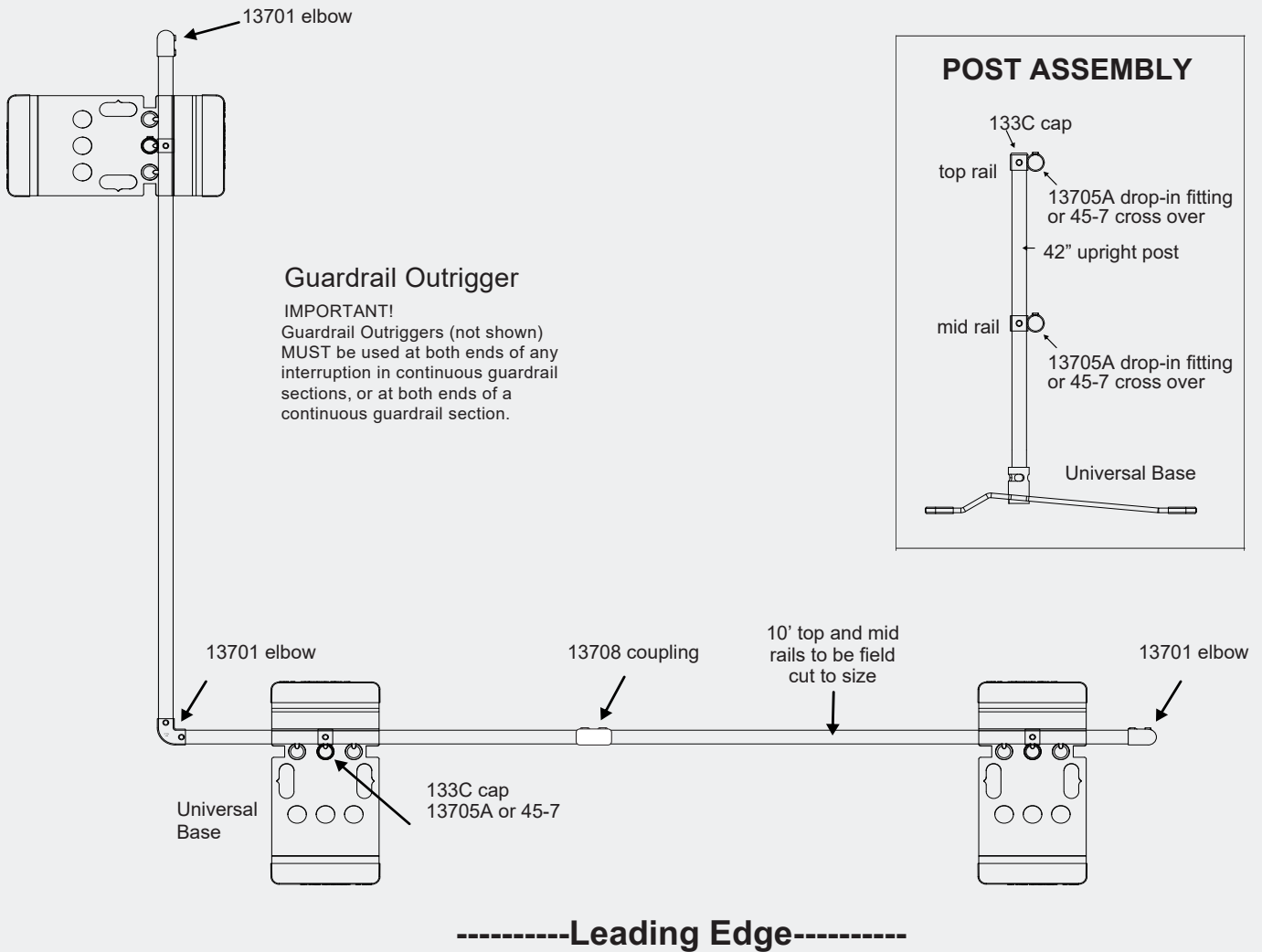


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Sample Layout



 **WARNING:** This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer. For more information go to: www.P65Warnings.ca.gov



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