



**Berry Bros. General Contractors, Inc.  
Corporate Policy Procedure**

Section # 07

Issue Date: 01-28-09

**(HSE) Health, Safety & Environmental  
Policies and Procedures Manual**

Doc # SWP 07

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Revision: 2

Approver: Joe Berry

Title: **BARRICADE SAFETY PLAN**

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**SUBPART A - PURPOSE**

The purpose of this procedure is to provide a standard and guidance to prevent injury to personnel by establishing minimum specifications and requirements for the safe use of barricades and signs.

**SUBPART B - SCOPE**

This procedure is intended to protect all BBGCI personnel, client personnel, and sub-contractors while working on jobsites inside and outside of barricaded areas.

**SUBPART C - POLICY**

To be effective, every employee must be trained in all applications and made aware of the limitations of barricades and the meaning/associated risk with different signage.

**SUBPART D - DEFINITIONS**

- Barricade – a device or instrument used to warn / protect employees or other individuals from potential hazards in a certain area.
- Yellow Barricade – For the purpose of this program, yellow ribbon or yellow barricades, means that employees or other individuals may cross or enter the restricted area with extreme caution.

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- Red Barricade – For the purpose of this program, red ribbon or red barricades, means that employees or other individuals may not enter or cross restricted areas. Examples may include asbestos remediation, excavations, or overhead work etc.
- Barricade Sign – A sign or tag must be placed on all barricades to warn personnel of the hazard associated with the reason for the barricade(s). The Supervisor in charge of the operations must list his name, the type of work they are doing along with a work duration on this Barricade Sign.
- Danger tags - shall be used in major hazard situations where an immediate hazard presents a threat of death or serious injury to employees. Danger tags shall be used only in these situations.
- Caution tags - shall be used in minor hazard situations where a non-immediate or potential hazard or unsafe practice presents a lesser threat of employee injury. Caution tags shall be used only in these situations.
- Warning tags - represent a hazard level between "Caution" and "Danger," instead of the required "Caution" tag, provided that they have a signal word of "Warning".
- Drop Zone- Area immediately below the elevated work that can potentially have falling objects dropped onto.

## **SUBPART E - GENERAL PRACTICES**

A physical barricade or barricade tape is used to deter or restrict the passage of personnel or vehicles through a potentially hazardous area. Some of the hazards where barricades are needed and the type of barricade are as follows:

- Uneven / open surfaces – Anytime there is a difference in floor or ground level where there is a possibility of a tripping hazard or open holes, ditches, excavations a **physical barricade** is needed to protect employees/personnel from falling.



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- Floor openings – An opening such as a hatchway, stair, or ladder opening, manhole or openings, through which an individual might fall, must have a **physical barricade** that will support personnel.
- Wall openings – An opening through which an individual(s) may fall to more than 18 inches below shall have standard handrails or equivalent barriers.
- Open sides – Floors, platforms, and runways that are 18 inches or more above an adjacent floor or ground level shall have standard handrails or equivalent installed.
- Overhead Work – Employees working on an elevated work area have the potential to drop tools or other equipment. In this situation Red Danger Tape is to be put up around the immediate drop zone, to prevent employees and visitors from walking underneath the work that is going on above.
- Aerial Lift – Employees that are working in an Aerial lift must put Red Danger Tape equal to the operating radius below the Aerial lift Platform to prevent Employees from walking underneath the elevated platform.

A standard railing shall consist of top rail, intermediate rail, and posts, and shall have a vertical height of 42 inches nominal from upper surface of top rail to floor, platform, runway, or ramp level. The top rail shall be smooth-surfaced throughout the length of the railing. The intermediate rail shall be approximately halfway between the top rail and the floor platform, runway, or ramp. The ends of the rails shall not overhang the terminal posts except where such overhang does not constitute a projection head.

NOTE: “Standard wood railings, the posts shall be of at least 2-inch by 4-inch stock spaced not to exceed 6 feet; the top and intermediate rails shall be of at least 2-inch by 4-inch stock. If top rail is made of two right-angle pieces of 1-inch by 4-inch stock, posts may be spaced on 8-foot centers, with 2-inch by 4-inch intermediate rail.” [1910.23(e)(3)(i)]

“For pipe railings, posts and top and intermediate railings shall be at least 1 1/2 inches nominal diameter with posts spaced not more than 8 feet on centers.” [1910.23(e)(3)(ii)]



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“For structural steel railings, posts and top and intermediate rails shall be of 2-inch by 2-inch by 3/8-inch angles or other metal shapes of equivalent bending strength with posts spaced not more than 8 feet on centers.” [1910.23(e)(3)(iii)]

“The anchoring of posts and framing of members for railings of all types shall be of such construction that the completed structure shall be capable of withstanding a load of at least 200 pounds applied in any direction at any point on the top rail.” [1910.23(e)(3)(iv)]

- Scaffolding – Any time scaffolds are being erected or dismantled a barricade is needed around the drop zone to prevent employees and other personnel from entering the work area to protect them from the potential of falling objects.
- Any time a powder actuated tool is in operation a barricade is needed to warn employees of the potential hazards associated with the use of powder actuated tools.

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Approved By: Joe Berry & Safety Committee  
3/26/09

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