

For all excavations or trenches, the work area must be secured from unauthorised access (including inadvertent entry) in accordance with MAC-STE-STD-124 - Barricading and Barriers Standards.

i Document Reference - MAC-STE-PRO-026

6 Barricading and Barriers

6.1 General Requirements

Where a risk assessment identifies barricading as a control, the following must be considered;

- Type of barricade required in relation to risk from task being performed
- Location of barricade (considering multiple levels where applicable)
- Length of time barricade is required
- Potential for objects to fall from one level to another and the number of floor levels requiring protection
- Location and proximity of other workers in the area and
- The need for flashing light during hours of darkness

Barrier tape or chains should not be left lying on the ground – ideally store them in a bucket or other container when not in use, or hang or pile them neatly where they do not pose a hazard.

Immediately after the hazard has been rectified and there is no further risk to personnel, the barricade or barrier must be removed by the owner.

Unless the barricade is used directly on the hazard to highlight it, both danger and caution barriers must have an information tag / pyramid on the entry points.

6.2 Construction of Barricades and Barriers

Barricade and barrier boundaries must be:

- Far enough away from hazards to ensure personnel outside the demarcated zone are not exposed to the hazard
- Constructed to prevent inadvertent entry and where possible have a clearly defined entry and exit point
- Maintained in good condition via regular inspections by the barricade/barrier owner
- Supported in a manner that prevents the barrier material from excessively sagging.
- Constructed with either danger and caution colour coding and not a combination of both.

6.3 Information Tag

A completed information tag must be attached to each span of the barricade and will detail:

- Nature of the hazard
- Name of person responsible, who shall be the single point of contact, for the barricaded area
- Mobile phone number for the person responsible for the area
- Date the barricading was erected.

6.4 Caution Barrier

Yellow and black plastic tape or chain must be used to barrier minor hazards only (e.g. water leaks, trip and slip areas). Prior to entry into a caution barrier you must read the information tag and seek authorisation from barricade owner to enter. If barricade owner cannot be located complete at a minimum 60 seconds for safety prior to entry and take the appropriate precautions.

You must notify others in the work area of your presence.

6.5 Danger Barrier

Danger barrier (red and white plastic tape, cones or chain with information tag) must be used to barrier hazards that could potentially cause serious injury or a fatality (e.g. lift exclusion zone, drop zones, high pressure water, hazardous chemical leaks or exclusive control activities).

An area demarcated by a danger tape is not to be left unattended for extended periods of time where a potential for a serious injury or fatality exists. In these cases, the hazard should be removed, or a solid barricade is to be installed.

Floor penetrations or open edges (where risk of fall present) created through the removal of flooring or structure must always be barricaded using a solid barricade as per the requirements of Work at Heights MAC-STE-STD-155.

Approval for entry into an area demarcated by a danger barrier must only be given by the person nominated on the information / exclusive control tag / information pyramid (or the second line of contact on the tag if that person is not available) for essential work.

6.8 Barricading Table

Type	Danger	Exclusive Control	Caution
Use	To restrict entry to an area	Placed on or around plant or equipment where zero energy state cannot be obtained to restrict access	Warns of hazards in the immediate area.
Condition of entry	Authorisation required by barricade owner prior to entry	Authorisation required by the exclusive control officer	Risks must be understood before entering
Barricading as identified in risk assessment	Red and white danger control devices; tape, flags, signs, red/orange cones.	Red and white danger control devices; tape, flags, signs, red/orange cones.	Yellow and black caution control devices; tape, flags signs, yellow cones.
Tape			
Tag	Blue white information tag 	Blue white information tag 	Blue white information tag 
Witches hat / cones Optional – Supervisor Identification Collar			
Information pyramids (Examples). Used in addition to witches hats / tape where appropriate.			

Type	Danger	Exclusive Control	Caution
			
			
			
			
			
			
			

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