



**DEPARTMENT OF BUSINESS AND INDUSTRY
DIVISION OF INDUSTRIAL RELATIONS
MECHANICAL COMPLIANCE SECTION
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**MECHANICAL CONVEYANCE PERMITTING AND INSPECTION FOR ALTERATIONS
OR REPAIR, REPLACEMENT AND MAINTENANCE**

The Division has classified permitting and inspection for existing conveyances into 2 categories:

Category A – MCS Inspection and Permit Required

Per NAC 455C.506 (1) new construction, alterations, or repairs (not including maintenance) require a permit.

Per NAC 455C.508 (1) new, altered and relocated elevators must be inspected by MCS

Category B – AIA Special Inspection (Permit NOT Required)

Per NAC 455C.506 (3) a permit will not be required by MCS for repairs and replacement that are necessary for maintenance of an elevator if parts of equivalent materials, strength and design are used.

Per NAC 455C.512 (3) any periodic test and any test required for items repaired or replaced for the purpose of maintenance as per NAC 455C.506 (3) will be witnessed by an AIA Special Inspector.

DEFINITIONS:

Alteration: any change to equipment, including its parts, components, and/or subsystems, other than maintenance, repair, or replacement.

This requires a clear understanding of: maintenance, repair, and replacement.

Maintenance: a process of routine examination, lubrication, cleaning, and adjustment of parts, components, and/or subsystems for the purpose of ensuring performance in accordance with the applicable standards adopted by reference under the Nevada Administrative Code.

Repair: reconditioning or renewal (per ASME A17.1) of parts, components, and/or subsystems necessary to keep equipment in compliance with standards adopted by reference under the Nevada Administrative Code.

Replacement: the substitution of a device or component and/or subsystems, in its entirety, with a unit that is basically the same as the original for the purpose of ensuring performance in accordance with standards adopted by reference under the Nevada Administrative Code.

Examples:

- **Alteration** – Replacing a relay based controller & motor generator set with solid state controls and drives or a new hoist motor with new controls, features or functions.
- **Maintenance** – Examination, lubrication, cleaning, and adjustment of an elevator valve.
- **Repair** – Shortening hoist cables or installing a rewound hoist motor.
- **Replacement** – Changing a door operator or a new hoist motor with the same characteristics.

An alteration has the biggest potential impact on the rest of the conveyance and related systems. Not all situations are well-defined and there are areas that may be unclear. When confronted with this situation, it is best to speak to an expert familiar with both national and local codes, or to contact the Division of Industrial Relations, Mechanical Compliance Section.

Any prior Bulletins related to this issue are hereby rescinded. This Bulletin is not all-inclusive of, and does not amend the existing statutory or regulatory requirements. Please refer to NAC 455C for further requirements.



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