



02-15-08

NEWS FROM THE MECHANICAL INSPECTORS

City of Winston-Salem

We have a lot of questions about vehicle protection for equipment on commercial jobs.

Section 303.4 Protection from damage, 2006 NC Mechanical Code

See section 312 of the NC Fire Code below.

SECTION 312

VEHICLE IMPACT PROTECTION

312.1 General. Vehicle impact protection required by this code shall be provided by posts that comply with Section 312.2 or by other approved physical barriers that comply with Section 312.3.

312.2 Posts. Guard posts shall comply with all of the following requirements:

1. Constructed of steel not less than 4 inches (102 mm) in diameter and concrete filled.
2. Spaced not more than 4 feet (1219 mm) between posts on center.
3. Set not less than 3 feet (914 mm) deep in a concrete footing of not less than a 15-inch (381 mm) diameter.
4. Set with the top of the posts not less than 3 feet (914 mm) above ground.
5. Located not less than 3 feet (914 mm) from the protected object.

312.3 Other barriers. Physical barriers shall be a minimum of 36 inches (914 mm) in height and shall resist a force of 12,000 pounds (53 375 N) applied 36 inches (914 mm) above the adjacent ground surface.

Questions always seem to come up about the installation of firedampers/smokedampers and radiation dampers. See section 607.2 below.

607.2 Installation. Fire dampers, smoke dampers, combination fire/smoke dampers and ceiling dampers located within air distribution and smoke control systems shall be installed in accordance With the requirements of this section, and the manufacturer's installation instructions and listing.

Please follow the manufactures installation instructions for installation of all dampers and you will need to furnish the instructions for the inspectors. Always get a rough on the wall framing around the dampers before closing them up. If any questions come up please feel free to contact the inspector in you area.

Please send any comments to miken@cityofws.org we would like to hear from you.

Thanks

Mike Norris

Mech/Plumb Section