



*Instructions: Insert the following paragraphs into your specifications to ensure that your new apparatus is equipped with class 1 components*

## **Loadminder**

INSTRUMENTATION: Low Level Overload Warning System

The apparatus shall be equipped with a Class 1 Loadminder mounted (specify location) for monitoring load level on an aerial device proportionate to the maximum-rated low elevation load of the device as determined by the apparatus manufacturer. The Loadminder calculates the current load and displays it on a simple, easy to read digital display. The display instantly adjusts to changes in ladder angles, extension or live load.

The Loadminder system shall include:

1. A rectangular shaped digital display (specify location). The display shall be weatherproof with super bright digits at least 1/2" high. The display shall be scaled 0-100% and color coded to show safe and unsafe operating conditions.
2. A pressure transducer installed in the hydraulic system. The pressure transducer is to have an accuracy of +/-3%.
3. Appropriate wires and connectors to hook up the display to the pressure transducer and to the vehicle's 12-14 volt electrical system.
4. An audible horn mounted near the display.