

## Healy Dispensing Facilities and Similar Installations 2007 California Electrical Code Inspection Checklist

This is not a comprehensive list of requirements, only a general guide for inspection

### Reference Information

- 2007 California Electrical Code

### Design Guidelines

- Electrical Office Plan Check Requirements. Policy SJMC 24.02.220-1-97
- Minimum Document Submittal Checklist shall apply to office plan check and field plan check.

### Inspection Requirements

- Call 535-3555 for inspection. Permit card shall be available at time of inspection.

**Required Electrical Inspections – The dispensing area is required to be deenergized during the inspection.** To expedite the inspection process all equipment is required to be opened by the contractor prior to the inspector arriving including:

- Each Dispenser lower section
- Each Dispenser upper section
- All junction boxes and fittings
- Existing gutter at building
- Existing Control Panel

### General

- The control module shall be secured. Velcro or mechanical attachment is acceptable
- The potted conduit separating the upper dispenser section from the lower dispenser section shall be wrench tight
- Threaded conduit and fittings must be wrench tight
- Threaded conduit and fittings shall be made up with at least 5-threads fully engaged
- Pipe lubricant, sealant or grease are not to be used on any fittings or nipples in classified areas
- There is a two stage process required for all seals***
  1. An inspection shall be made prior to the compound being added to the seal. The packing material shall be verified that it is installed to the manufacturer instructions, and conductors and cables have been adequately separated prior to compound being poured.
  2. An inspection shall be made to verify that the compound is poured to the bottom of the sealing threads. If less is noted, the installation instructions are required from the installing contractor
- The contractor can schedule two separate inspections for the seals, or they can schedule one inspection with enough time for the inspector to verify the packing of the seal and to stand by to verify that the sealing of the fittings are done correctly ( typically one hour for up to 8 pumps)***

- The *UL* listing information of the motor shall be made available to the field inspector upon request
- The equipment ground is required to be terminated inside all junction boxes containing splices
- Intrinsically safe wiring shall be separated from nonintrinsically safe circuits by a barrier
- Bonding is required for all intervening raceways and fittings back to the existing control panel where new intrinsically safe cables are installed, whether they are new or existing raceways
- Where bonding is required when new cables are added, a bonding wedge is acceptable

**Fire Department and Building inspections are required in addition to the required Electrical Inspections**