**DETAIL OF**

**SIGN SUPPORT ASSEMBLY**

- Stainless steel bands placed at 8" spacing.
- Metal band or clamp.
- 3 lb. U-channel post.
- 1" galvanized steel conduit.

**TYPICAL INSTALLATION**

- Horizontal sign support.
- 1/2" cross connector with cap.
- 1/2" tee with cap.
- Sealing cap.
- 1/2" yellow flashing beacon.
- 1/2" galvanized steel conduit.
- Service pole.
- Flashing beacon controller with time clock.
- Weatherhead.
- 3 lb. U-channel post.
- 1 1/2" galvanized steel conduit banded to post.
- Pole bands: 6" spacing.
- 1/2" N.E.C.

**WIRING DIAGRAM**

- Solar panel.
- Flashing beacon controller.
- 2 AWG A.W.G.
- 2/0 AWG.
- 2 AWG solar ground wire.
- 2 AWG copper ground wire.
- Bond copper ground wire to controller ground.

**NOTES:**

1. All construction shall conform to the standard specifications for highway construction (current edition), Division 302, traffic control facilities.
2. The flashing beacon assembly shall include lighting suppressors, traffic signal cable, (two 1") traffic signal heads (Sec. 104). With yellow lenses, flashing beacon controller and a solid state calendar date time clock with daylight savings time programming, and 48-hour power fail protection. Date time clock required only for school zones. Signal heads shall be wired to flash alternately.
3. Any fittings, bands, ground rod or accessories necessary to mount control and flashing beacon controller shall be considered subsidiary to the item for flashing beacon controller.
4. All couplings, tees, clamps and hardware necessary to mount signal heads shall be considered subsidiary to the item for traffic signal head (Sec. 104). The contractor shall remove sons and re-install them after flashing beacons are installed.
5. The flashing beacon controller and solar panel should be located within the highway right-of-way but as far away from the vehicle travel way as possible to avoid vehicle impacts.

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**ARKANSAS STATE HIGHWAY COMMISSION**

**SOLAR POWERED FLASHING BEACON INSTALLATION FOR SCHOOL ZONE SIGNING**

**STANDARD DRAWING SD-15**