



Clark County Building and Fire Prevention Field Inspection Division FIELD INSPECTION GUIDELINE

Division:	Inspections	Policy & Procedure:	FIG-E-013
Subject:	Auxiliary Gutters	Effective Date:	07/01/2008
Code:	2017 NEC Article 366	Revised Date:	10/01/2020
Proposed:	Matthew Brewer	Approved:	Sam Palmer

Interpretation:

Sheet metal auxiliary gutters are required to be approved.

- The authority having jurisdiction is responsible for determining what is approved. We inspect the equipment when it is not listed and inspected by a third party. Section 90.4
- Equipment shall be judged for suitability for installation and use in conformity with the provisions of the code. 110.3
- Suitability may be evidenced by listing or labeling. FPN

Field Application:

Installations shall meet the requirements detailed in Article 366.

- Sheet metal auxiliary gutters are often field fabricated for unique sizing and space requirements, and location of conduit entries. Article 366 only requires listing of nonmetallic auxiliary gutters. If the inspection process is able to verify the auxiliary gutters meet the requirements of Article 366, listing and labeling are not required.
- Sheet metal auxiliary gutters shall be constructed and installed so that adequate electrical and mechanical continuity of the complete system is secured.
- Gutters shall be of substantial construction, provide a complete enclosure, and be suitably protected from corrosion.
- Gutters shall have smooth rounded edges where necessary to prevent abrasion of the insulation of the conductors.
- Where insulated conductors are deflected within an auxiliary gutter, dimensions corresponding to one wire per terminal in Table 312.6(A) shall apply.
- Where insulated conductors 4 AWG or larger are pulled through an auxiliary gutter, the distance between raceway and cable entries enclosing the same conductor shall not be less than that required in 314.28(A)(1) for straight pulls, and 314.28(A)(2) for angle pulls.
- The sum of the cross-sectional areas of all contained conductors at any cross section of a sheet metal gutter shall not exceed 20% of the interior cross-sectional area of the sheet metal auxiliary gutter.