



**PRODUCT:** Plastic Footing Pad  
**DIVISION:** Earthwork (31)  
**SECTION:** Special Foundations & Load-Bearing Elements (31 60 00)

**Report Holder**  
AG-CO Products, Inc.  
701 W. State St.  
St. Johns, Michigan 48879

**Manufacturing Locations**  
PolyVulc USA, Inc.  
1645 Haining Rd  
Vicksburg, MS 39180

**1. SUBJECT**  
*AG-CO #10 and #16 Molded Plastic Footing Pads  
10-in. and 16-in. Diameter*

**2. SCOPE**  
NTA, Inc. has evaluated the above product(s) for compliance with the relevant sections of the following codes:

- 2006 International Building Code (IBC)
- 2006 International Residential Code (IRC)

NTA, Inc. has evaluated the following properties of the above product(s):

- Durability
- Allowable Vertical Load

**3. USES**

**3.1.** *AG-CO Molded Plastic Footing Pads* are designed for support of exterior residential decks or columns for post and beam frame construction of Group U occupancy (agricultural buildings) and Type V construction.

**4. DESCRIPTION**

**4.1. General**

*AG-CO Molded Plastic Footing Pads* are circular, ribbed, injection-molded plastic pads. Available sizes are listed in Table 1.

**4.2. Materials**

*AG-CO Molded Plastic Footing Pads* are manufactured using 100% pre and post consumer recycled polypropylene material with 20 to 40% glass fill.

**5. Design**

**5.1.** Installation is limited to soil with allowable bearing strengths listed in Table 1. Actual soil bearing strength must be verified at the depth of installation.

**5.2.** The applied load shall not exceed the pad capacity or soil capacity.

**5.3.** The molded plastic footing pads shall not be used to resist lateral or uplift loads.

**5.4.** The molded plastic footing pads have been evaluated for seismic zones A, B, and C only

**6. Installation**

*AG-CO Molded Plastic Footing Pads* shall be installed below the local frost line and not less than 12-in. below the existing grade. The smooth side of the pad shall be placed face down.

The #10 pad may support a post having minimum dimensions of 3.5 inches x 3.5 inches with the center of the post aligning with the center of the pad within 1-3/16-in. measured from the center of the pad to the center of the post.

The #16 pad may support a post having minimum dimensions of 4.5 inches x 5.5 inches with the center of the post aligning with the center of the pad within 2-15/16-in. measured from the center of the pad to the center of the post.

Installations must meet the requirements of 2006 IBC Section 1805 and Section 1802.

**7. Conditions of Use**

**7.1.** Installation complies with this report and the manufacturer's installation instructions

**7.2.** The pads are manufactured in the production facility(ies) noted in this report using the materials specified in this report and under a quality control program approved by NTA, Inc.

**7.3.** The molded plastic footing pads are used to support exterior residential decks or columns for post and beam frame construction of Group U occupancy (agricultural buildings) and Type V construction.

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- 7.4. Mechanical fasteners must not be used with the molded plastic footing pads
- 7.5. Field modification of the molded plastic footing pads is not allowed.

**8. EVIDENCE SUBMITTED**

NTA, Inc. has examined the following evidence to evaluate this product:

- 8.1. Review of manufacturer quality assurance manual
- 8.2. Plant certification inspection of manufacturer's production facilities, test procedures, frequency and quality control sampling methods, test equipment and equipment calibration procedures, test records, dates and causes of failures when applicable.
- 8.3. Qualification test data in accordance with NTA *Standard Evaluation Plan IM33.1 SEP01* and ICC-ES AC49
- 8.4. Follow-up quality assurance audits of the production facility(ies).
- 8.5. Follow-up testing in accordance with NTA, Inc. *Inspection Method 33.1* <sup>(IM33.1)</sup>.

Evaluation evidence and data are on file with NTA, Inc. NTA, Inc. is accredited by the International Accreditation Service (IAS) as follows:

- ISO17020 Inspection Agency (AA-682)*
- ISO17025 Testing Laboratory (TL-259)*
- ISO Guide 65 Product Certification Agency (PCA-102)*

The scope of accreditation related to testing, inspection or product certification pertain only to the test methods and/or standard referenced therein. Design parameters and the application of building code requirements, such as special inspection, have not been reviewed by IAS and are not covered in the accreditation. Product evaluations are performed under the direct supervision of Professional Engineers licensed in all jurisdictions

within the United States as required by the building code and state engineering board rules.

**9. FINDINGS**

**All pads are manufactured under an in-plant Quality Assurance program to insure that the production quality meets or exceeds the requirements of the codes noted herein and the criteria as established by NTA, Inc. Furthermore, pads must comply with the conditions of this report.**

*This report expires 6 months from the issue date noted below.*

**10. IDENTIFICATION**

Each eligible pad shall be permanently marked to provide the following information:

- 10.1. The NTA, Inc. listing mark, shown below;
- 10.2. NTA's Listing No. GEE103107-16;
- 10.3. in-plant quality assurance stamp;
- 10.4. identifier for production facility;
- 10.5. project or batch number.



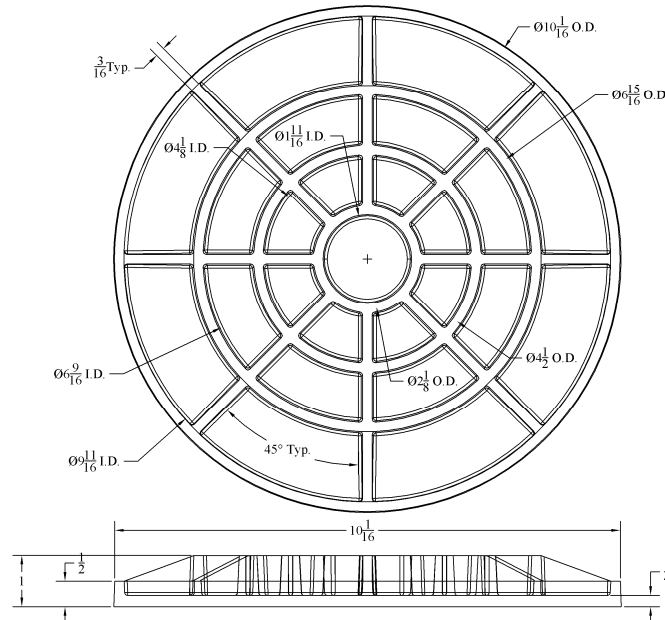
**Table 1: Footing Pad Allowable Loads**

Pad Identification	Nominal Pad Diameter (in.)	Pad Capacity <sup>1</sup> 1500 psf soil (lbf)	Pad Capacity <sup>1</sup> 3000 psf soil (lbf)
Model #10	10	810 <sup>2</sup>	1622 <sup>2</sup>
Model #16	16	--	4200 <sup>2</sup>

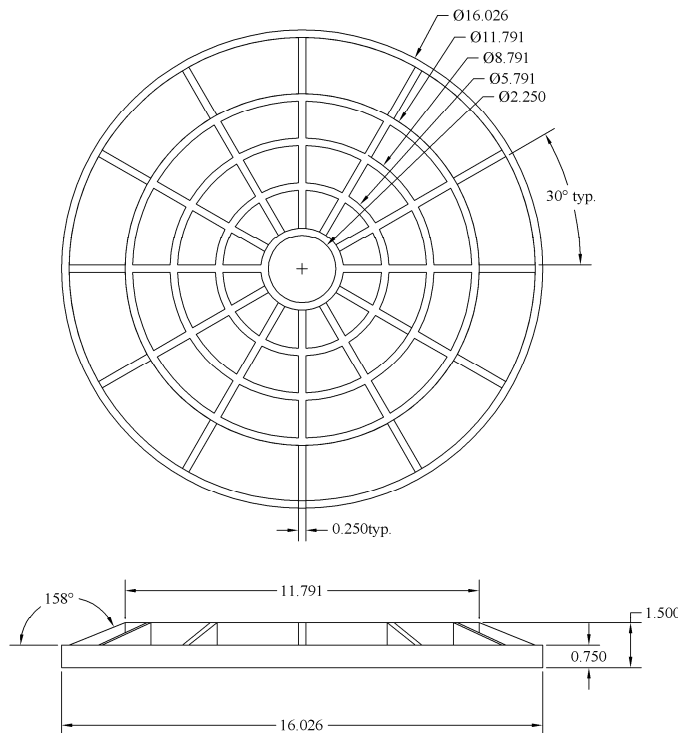
<sup>1</sup> Pad capacity is limited by the lesser of the following criteria; the peak load divided by a safety factor of 3, the soil capacity, load at 3/4-in. deflection

<sup>2</sup> Pad capacity is limited to soil capacity

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**Figure 1: #10 Post Pad Nominal Dimensions**



**Figure 2: #16 Post Pad Nominal Dimensions**

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