

Pre-Engineered Metal Building Systems

This policy is for the purpose of defining the permitting and installation requirements for pre-engineered metal building systems. All installations are to comply with the 2018 International Building Code.

Definitions:

The following definition is for the purpose of this policy only.

- Pre-Engineered Metal Building System: Metal building system designed by a licensed registrant typically consisting of light gauge metal standing seam roof panels on metal purlins spanning between rigid metal frames with or without light gauge metal wall cladding. Examples would include fully enclosed buildings for human occupancy, warehouses, garages, sheds, open sided carports/awnings, etc.

Permit Requirements:

- Permit Application
- 8 ½ x 11” site plan.
- Two copies of pre-engineered metal building plans and structural calculations (if applicable) sealed by an Arizona licensed registrant. One copy is to contain an original signature. Where installation options are included in the building plans the applicant’s desired options are to be clearly marked prior to submittal.
- Two copies of foundation plans and structural calculations sealed by an Arizona licensed registrant (if not included in metal building plans). One copy is to contain an original signature.
- Two copies of floor plan with electrical and plumbing systems clearly shown (if applicable).
- Installations on commercial or multi-family zoned properties may have additional submittal requirements. See the City’s commercial permit handout for a complete list of submittal requirements.
- Fees are to be calculated using the City’s adopted Comprehensive Fee Schedule.

Foundations:

- If an anchoring system installation option is selected that is not on a conventional concrete slab or foundation (e.g. augers or ground stakes directly into soil) the applicant is to provide both of the following:
 - Prior to permit issuance: Provide a soil classification report from a qualified Arizona licensed registrant verifying that the soil at the proposed installation location meets the requirements of the anchoring system installation option selected.
 - Prior to final inspection: Provide a special inspection report from a qualified 3rd party inspection company verifying that the anchoring system was installed per the installation option selected.

Siding:

- Building siding is not to be in direct contact with soil unless a report is provided from an industry recognized listing agency stating that the product is designed to be in direct contact with soil (minimum 2” clearance).
- Siding is to have a baked on finish or pattern. Installations on commercial or multi-family zoned properties may have additional siding requirements. Contact City staff for clarification.