



**Thompson Fabricating LLC**  
An Industry Leader

Thompson Fabricating, LLC  
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## **Specification for Aluminum Floor Plates**

- 1) Aluminum checkered floor plates shall be a minimum of 1/4" thick and shall be alloy 6061-T6 or 5086-H112.
- 2) Floor plates shall be designed to support a uniform load of 200 pounds per square foot with a maximum deflection of 1/4". The maximum fiber stress shall not exceed that which is allowed by the Aluminum Association.
- 3) The fabricator shall submit calculations to the Engineer along with the submittal drawings. Submittal data will be in enough detail to determine if reinforcing ribs are required and if required, determine rib size, spacing and welding pattern.
- 4) Paint all aluminum surfaces in contact with concrete or dissimilar metals with a shop coat of bituminous paint.