



Charles D. Baker, Governor
Karyn E. Polito, Lieutenant Governor
Stephanie Pollack, MassDOT Secretary & CEO
Steve Poftak, General Manager



DESIGN DIRECTIVE

To: Distribution

From: Erik J. Stoothoff, P.E. *EJS*
Chief Engineer

Date: 6/11/2020

RE: Flexible Fixture hangers – “Swivel type” Fixture Supports

This Design Directive is intended to consolidate, reiterate, supplement, and clarify the MBTA’s approach, preferences, and requirements for all MBTA Stations and Facilities. In the event that conditions warrant deviation from this directive, a design waiver signed by the Chief Engineer and department owning the scope of work will be required of the project.

This directive is to provide guidance in the installation of flexible fixture hangers for lighting fixtures or equipment that require angular movement and are pendant mounted. i.e. Swivel supports.

All flexible fixture hangers shall be designed, manufactured, and installed utilizing a galvanized malleable iron ball swivel and a matching galvanized malleable iron support plate with rubber gasket and installed on galvanized malleable iron box.

CODES AND STANDARDS

- NFPA 70
- Massachusetts Electric Code (527 CMR 12.00)
- Massachusetts Building Code (780 CMR)
- International Building Code