

ARCHITECTURAL SPECIFICATIONS FOR TURNTABLE

GENERAL: The turntable shall be the manually operated type. The turntable and all component parts thereof shall be new and of current design at time of bidding; shall conform to excepted design practice; and shall be standard commercial products except for modifications required to meet specific application requirements.

SAFETY: The turntable shall be designed to assure safe and efficient operation under the service requirements specified. All parts and components shall be designed with a minimum strength factor of not less than 3.

CAPACITY: The turntable shall have a minimum capacity of _____ pounds. The total height of the turntable when measured from the bottom of the base plate to the top of the platform shall be _____ inches.

DEFLECTION: The maximum deflection of the rotating platform shall be limited to _____ inches when a static load _____ pounds is uniformly distributed over one half of the turntable platform width or length when measured between platform surface and the base plate.

STRUCTURE: The structure shall be fabricated from steel shapes or plates. The rotating platform thickness shall be a minimum of one half inch.

TURNTABLE PLATFORM: The platform dimension shall be _____ x _____ inches plus or minus 1/8 inch.

BASE PLATE: The turntable base plate shall be constructed of shapes and plates welded to withstand the applied loads. A minimum of _____ lubricated for life bearings shall be provided. The bearings shall be easily replaceable for ease of future maintenance. The base plate shall be pre-drilled for permanent installation.

WELDING: Surfaces to be welded shall be free from tears, cracks, scale, slag, rust, paint, grease, or other foreign matter or defects which would adversely affect the quality and strength of the weld. Metal arc welding shall be accomplished in accordance with the provisions of the applicable portions of the "Code for Welding in Building Construction" AWS D1.0-63 of the American Welding Society.

LUBRICATION: Readily accessible means shall be provided for applying and, where necessary, checking the level of lubricant in all parts or components requiring lubrication. Grease fittings shall not be used.

WORKMANSHIP: The materials used in the fabrication of the machine shall be new, suitable for the purpose used, and free of all defects which may affect the serviceability of the finished product. The steel will meet ASTM Spec. 36-74. Workmanship shall be in accordance with MIL-STD-1242.

REPAIRS AND MAINTENANCE: Provision shall be made for ready adjustment, service and replacement of all components and wearing parts of the turntable mechanism and components.