SECTION 416719

INDUSTRIAL SAFETY GUARDS

PART 1– GENERAL

101. GENERAL

101.1 Safety Guards shall conform to the requirements of the governing Code(s); in other respects, safety guards shall conform to the requirements of this Section and shall satisfy all conditions and requirements of the specification. The CONTRACTOR shall conform to the requirements of this Section.

101.2 In the event of variance between the general requirements delineated in this Section and the particular requirements set forth in the specification, the specification shall take precedence.

101.3 References:

Publications of the following agencies are applicable to the design, manufacture and testing of the equipment included in the specification and shall form a part of the specification to the extent specified therein. All references to their publications are to the latest issue of each, together with the latest additions and/or amendments thereto, as of the date of Contract, unless otherwise indicated. References to the sponsoring agencies will be made in accordance with the following abbreviations:

a. OSHA Occupational Safety & Health Administration

b. ASTM American Society for Testing and Materials

102. REQUIREMENTS

102.1 Guards shall be provided by the CONTRACTOR for protection of personnel from all exposed moving and/or rotating machine elements. Safety guards shall meet OSHA standards. Safety guards over 40 lbs. shall be provided with eyes or other means to allow lifting with portable equipment.

a. Each guard shall be fabricated from ASTM A36 steel plate and designed for easy installation and removal. Necessary supports and accessories shall be furnished with each guard.

b. Grease fittings shall be extended through the safety guards.

c. Guards for outdoor installation shall be galvanized.

102.2 Safety guards for horizontal shafts, shaft couplings, belt sheaves, etc., shall be of the inverted "U" design with sides extending to the equipment base or baseplate.

102.3 Safety guards for vertical shafts, shaft couplings, etc., shall be of 360° construction with bolted vertical joints. Hinged sections shall be provided for inspection of couplings and glands.

102.4 Coupling guards shall be firmly supported on the equipment or suitable braced on an angle iron frame. The coupling guards shall have closed ends and keys or keyways shall not extend beyond the guards.

102.5 Belt guards shall be fabricated from flattened, carbon steel expanded metal. Belt guards shall be complete with supports, accessories, and braces. The entire assembly shall be hot-dip galvanized after fabrication.

a. A permanent metal tag shall be attached to each belt guard. The tag shall indicate the manufacturer's model number, size and style of replacement belt sets.

b. Each belt guard shall also be furnished with a hole suitable for insertion of a tachometer.

END OF SECTION 416719