

10-3. __ EQUIPMENT SHELF WITH BRACKETS

The Contractor shall furnish and install each equipment shelf as shown on the plans.

Each shelf shall be furnished with 2 mounting brackets.

Each mounting bracket shall extend from the front to back mounting rails of the controller cabinet rack cage. Each bracket shall be designed to support a minimum of 50 lbs. The horizontal side of each bracket shall be a minimum of 3 inches. Each bracket shall be attached to front and rear of the rack cage with four (4) 10-32 stainless steel Phillips round head bolts.

Each shelf shall be fabricated of 0.125-inch cold rolled sheet or 0.125-inch aluminum sheet. Each shelf shall be the width of the control cabinet rack cage and 18 inches deep. Each shelf shall have equally distributed holes or slots throughout the shelf that shall provide 40 percent minimum open area for vertical flow-through ventilation. Each hole or slot shall not exceed 0.75-square inches in area. Each shelf shall be cadmium-plated or zinc-plated after cutting and drilling.

Each shelf shall be attached to the top of its pair of brackets in all four corners with stainless steel hardware, with the front of the shelf abutting against the front rail of the control cabinet rack cage.