

Mining Equipment

CSD has provided structural engineering services for the following Mining Equipment suppliers. The designs included evaluation of fatigue considerations and detailed coordination with the equipment manufacturers.

<p><u>Dragline Machinery House</u></p> <p>Project Type: Mining Equipment</p> <p>Client: Bucyrus International</p> <p>Location: Australia</p> <p>Date Completed: 2006</p> <p>Description: Machinery house for a 360 ft. boom, 400 ton capacity dragline. Approximate house size: 120 ft. x 120 ft. with a 60 ft. high eave mounted on the walking frame. The machinery house includes a 50 ton overhead service crane.</p>	<p><u>Dragline Machinery House</u></p> <p>Project Type: Mining Equipment</p> <p>Client: Bucyrus International</p> <p>Location: Texas</p> <p>Description: Machinery house for a 250 ton capacity dragline. Approximate house size: 120 ft. x 120 ft. with a 60 ft. high eave mounted on the walking frame. The machinery house includes a 50 ton overhead service crane.</p>
<p><u>Service Shaft and Head Frame</u></p> <p>Project Type: Mining Equipment</p> <p>Client: Oldenburg Lake Shore Mining Equipment</p> <p>Location: Sugar Creek, Missouri</p> <p>Description: Evaluated the structural steel connections for this service shaft head frame structure. The frame is 80 ft. high and supports the drums' counter weight and the service car.</p>	<p><u>Dragline Machinery House</u></p> <p>Project Type: Mining Equipment</p> <p>Client: Bucyrus International</p> <p>Location: Thunder Basin, Wyoming</p> <p>Description: Machinery house for a 400 ton capacity dragline. Approximate house size: 120 ft. x 120 ft. with a 60 ft. high eave mounted on the walking frame. The machinery house includes a 50 ton overhead service crane.</p>

