The Sioux Falls FB/CT was designed in the Richardsonian Romanesque style by W.J. Edbrooke (original 1892 building), James Knox Taylor (1911 addition), and James A. Wetmore (1931 addition), all from the U.S. Treasury Department. The three-story building has an iron and steel frame with rusticated and dressed quartzite exterior walls. The main entrance is recessed in a large rounded arch portico and exhibits arched window openings with rectangular windows and arched transoms. The original building was rectangular with octagonal turrets on the front façade. The 1911 addition extended the building 30 feet and added a third story to the entire structure. In 1931, a two-story wing with a full basement was added to the rear of the building. Although much of the interior has been altered, significant historic interior features include the basement, second and third floor corridors, elevator lobbies, an open stair, and restrooms. The Sioux Falls FB/CT is listed on the National Register of Historic Places.