

ST. LAWRENCE POWER & EQUIPMENT MUSEUM

Equine Pavilion

Summary and Critique 06/24/16

Dimensions:

The building is 96 feet long with a 60 foot wide arena with gable ends and 20 foot wide shed-roofed spectator area for a total width of 80 feet. Side walls are 16 feet high. Gable ends on the arena are 14 feet high. Roof pitch is approximately 5.6/12.0. Total footprint is 7,680 ft².

Exterior Appearance: The walls will be clad with corrugated steel attached to girts. The roof will be conventional steel. The end walls will be solid steel. The long walls will be open four feet in the middle of the wall along its entire length. There will be three 3X3' cupolas along the ridge of the arena section. Sliding doors 16X16' will be in the center of each end of the arena. 10'X12' high doors will be at the high side of each end of the spectator section. The color of the roof will be _____ and the walls will be _____.

Construction: Construction will utilize pressure treated 6X6" posts on 8' centers to support walls. Trusses will be on 4' centers to support the roof. Steel cladding will be supported by 2X6" girts and grade boards on walls and 2X6" strapping (purlins) on 2' centers on the roof. The posts will rest on concrete feet 12" thick and 16" square, their base being 4.5 feet below grade. There will be no concrete foot-wall; the steel sides will extend to grade.

Interior:

The floor of the building will be of sand over compacted soil. A chainlink fence will separate the arena and spectator sections of the building. The 20 foot width of the spectator section will provide a 10' avenue adjacent to the arena and X-tiered bleachers on the remaining 10 feet.

The Grant:

\$112,000 is the anticipated cost of the project which provides for the building and bleachers. The grant is administered by the SLC Industrial Development Agency. It calls for 58% of expenditures to be covered by the grant or \$65,000 and 42% or \$47,000 provided by the Museum in a specified combination of cash and in-kind support.

The Cost:

\$100,729	Burns Construction quote to build the structure and provide aluminum bleachers.
1,700	Due engineer on signing plans.
\$102,429	Total Cost
\$ 43,020	Museum's share @ 42%

Museum Funds On Hand:

\$ 1,000	Credit for money expended on application fee. Paid to SLC?
5,000	In-kind contributions (what?) Hip wall??, Doors, Gates,
2,400	Cash remaining in bank
500	Austin contribution
5,000	SeaComm contribution
10,000	Pledged by Board
5,000	Rebated/donated by Burns for grading, top dirt and sand?
\$ 28,900	Total

Remaining funds to be raised = \$43,020 - 28,900 = \$14,120.

Concerns:

Illumination, Standing seam roof. Man Doors.