

C402.1.1 Low-energy buildings.
The following low-energy buildings, or portions thereof separated from the remainder of the building by building thermal envelope assemblies complying with this section, shall be exempt from the building thermal envelope provisions of Section C402.

1. Those with a peak design rate of energy usage less than 3.4 Btu/h • ft² (10.7 W/m²) or 1.0 watt per square foot (10.7 W/m²) of floor area for space conditioning purposes.



Reviewed for
Code Compliance

12/08/2023

RCRBD Comment Energy Code: The barrels are approved to be heated using the electric 500 watt heaters, and meet energy code exception based on annual forecasted energy use being under section C402..1.1 and the electric heat will only be ran during business hours of the Range being opened.

Ski corp agrees to only use the barrels under Section 3103 of IBC as temporary seating structure, the dining barrels will be in place from Dec to Mid April or approximately 5 months.

08 December 2023

To whom it may concern,

The Steamboat Ski & Resort Corporation has entered into a lease agreement with Backcountry Recreation to lease three Wine Barrel structures for the 23/24 winter operating season. SSRC would plan to use these structures as covered seating for a maximum of six persons at a time in each, in association with the Range Food Court. The barrels would be located on the East deck area outside of the Range. Electrical power would be provided to the barrels from existing stub outs in previous construction for this purpose. The barrels would be equipped with two lights – one inside and one outside adjacent to the door. They would also be equipped with one small 500w heater inside the structures.

In an independent analysis by 3rd party engineering – Entertainment and Rigging Engineering, LLC – SSRC has been made aware the barrel design in such a use, may not meet the live snow requirements of the area. The engineering report shows the barrels rated for 60 psf, with a ground snow load requirement of 85 psf. The report recommends manually removing snow accumulation on the roof of the structure when the depth becomes 36”.

The Steamboat Ski & Resort Corp. would agree to take responsibility for this discrepancy in snow loading by implementing the following policy:

- The on-duty manager of the Range facility would check the snow depth visually on a daily basis.
- If the manager deems the depth of the snow to be greater than 2’-0”, they would direct crew members to manually remove the snow down to the roofing surface.
- If their crew members are unable to perform this operation, the manager will contact Base Area Services for assistance.
- In the unlikely scenario of the snow not being able to be removed, the manager will close the barrels until such a time as the snow can be removed.

The Steamboat Ski & Resort Corp. is comfortable with these outlined procedures and finds that in some ways, they are similar to procedures already in place at other facilities and areas of the mountain. SSRC finds this a reasonable and acceptable compromise to account for potential snow load issues with the barrel structures.

In addition, the nature of the wine barrels does not allow access by certain persons with disabilities, and as such, cannot comply with ADA guidelines. It is the policy of the Steamboat Ski and Resort Corp to always make reasonable accommodations when necessary, so as to comply 2010 ADA. In this instance, SSRC makes reasonable accommodation by having a fully compliant restaurant adjacent to the barrels that can be accessed by all persons with disabilities.

Sincerely,

A handwritten signature in black ink, appearing to read "Roger Levanduski".

Roger Levanduski

SSRC Executive VP Finance