

January 11, 2023

Reviewed for
Code Compliance

01/17/2023

Sharlene Bhyun
Steamboat Architectural Associates, PC
Steamboat Springs, CO 80487

Barbra Botkin
Steamboat Hotel and Lodge
3195 South Lincoln Ave.
Steamboat Springs, CO 80487

Re: Permit Number: SPRRN220319
Spacing and Notching of Corridor Wall Studs

Barbra,

This letter is in reference to the RCRBD Inspection Report issued on January 6, 2023 in regard to the stud spacing and some notching in the wood studs in the upper level, main level, and lower level corridors of the hotel.

The corridor walls are bearing walls and support loading from the roof above. In several locations the existing studs were moved to accommodate new electrical panels on each floor. The new stud spacing is approximately 24" on center. Based on calculations using a 15 psf roof dead load and a 75 psf roof snow load it is my opinion the 24" on center stud spacing is capable of safely supporting the imposed loading.

Several of the wood studs in the main level corridor were notched for a 2 3/8" diameter electrical conduit. The notch for the conduit was approximately 4 1/2" tall and 4" deep and repairs are required for the studs to safely support the imposed loading.

Repairs should consist of adding a 1 1/2"x 1 1/2" wood filler piece in the front of the notched stud and sistering a new partial stud to the existing stud. The new stud should run from the bottom plate and extend a minimum of 8" above the notch. The new stud should be attached to existing stud w/ (6) 10d nails above and below the notch (see attached drawing).

This letter is based on observed conditions of the specific referenced location. No calculations or structural analysis other than those noted above were performed as part of our evaluation. No warranties are expressed or implied and in no manner does this report constitute any form of

guarantee against existing or future structural, cosmetic, or other damages. Our conclusions and suggestions are professional opinions and any changes from the observed condition of the referenced property may result in changes to our conclusions and suggestions.

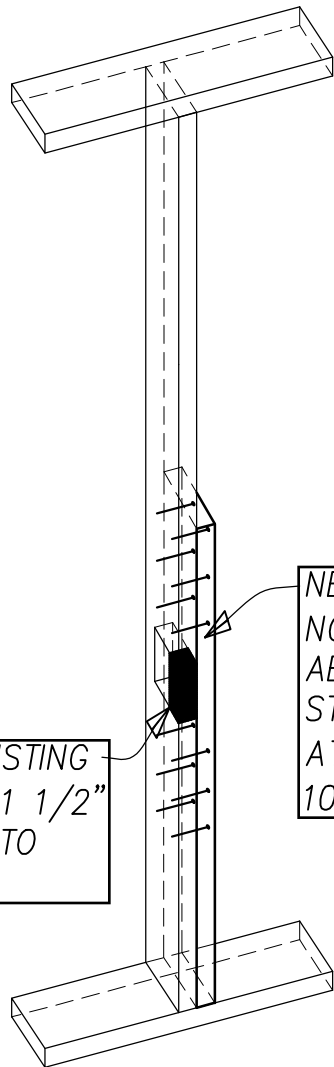
Please let us know if you have any questions or if we can be of any further service.

Sincerely,



Benjamin Schutt
CO. P.E. #40325






INFILL FRONT OF EXISTING NOTCH W/ 1 1/2" x 1 1/2" WOOD FILLER, GLUE TO ADDED STUD

NEW STUD SISTERED TO EXISTING NOTCHED STUD, EXTEND MIN. 8" ABOVE NOTCH, NOTCH BACK OF STUD TIGHT FOR CONDUIT, AND ATTACH TO EXISTING STUD W/ (6) 10d's ABOVE AND BELOW NOTCH



STEAMBOAT HOTEL AND LODGE STUD REPAIR DETAIL HOTEL 3195 SOUTH LINCOLN STEAMBOAT SPRINGS, COLORADO 80477	DATE	1-11-23	 ALPENGLOW ENGINEERING SOLUTIONS, INC. Consulting Structural Engineers	PROJECT	22-050	SHEET S-1 1 OF 1
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