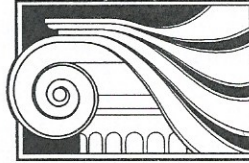


WALSH ♦ NORRIS & ASSOCIATES, INC.

ARCHITECTURAL ACOUSTICS



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22 August 2018

Mr. Chris Hall  
Executive VP and COO  
Long Meadow Ranch  
738 Main Street  
St. Helena, CA 94574

Subject: Evaluation of Property Line Sound Levels from Outdoor Bar Area  
Confirmation of Compliance  
Long Meadow Ranch  
St. Helena, CA

Dear Chris:

Outlined below are the results of our acoustical evaluation of the proposed sound wall design enclosing the outdoor bar area in order to achieve compliance with the allowable property line sound level requirement.

**Acoustical Design:** The design of the modifications prepared by Turnbull Griffin & Haesloop Architects (TGH) consists, first, of construction of a new dry storage area that extends out approximately 14 feet on the north side of the existing restaurant building providing acoustical shielding of the bar area. An 8-foot high, solid sound wall extends out approximately 28 feet from this building addition on the north side and turns west approximately 20 feet to the existing stone fireplace. The site plan of this acoustical sound wall design prepared by TGH Architects is attached for reference.

**Acoustical Design Goal:** It is our understanding that the acoustical design criterion for this project is to achieve a sound level at the property line of 40 dBA or less from activities at the outdoor bar area between 7 and 10 p.m. Since environmental noise fluctuates in level over time, codes typically specify that exterior sound measurements be completed over a stated time period and the resultant sound level is an energy average level ( $L_{eq}$ ) which represents a single sound level containing the same total sound energy as the time-averaged fluctuating sound levels.

**Acoustical Variables:** As previously discussed, there are a number of acoustical variables that control the sound level at the property line, such as distance, height and extent of sound barrier walls, sound level of the patrons, etc. Each of these variables has been included in the acoustical evaluation.

**Summary:** Based on the above acoustical variables, including construction of a new dry storage area and the new 8-foot sound wall configuration of the TGH acoustical design attached, the evaluation indicates that the sound level of patrons in the outdoor bar area will be less than an  $L_{eq}$  of 40 dBA at all locations along the property line and is in compliance with the code requirement.

♦ ♦ ♦

Please call if you have any questions regarding this acoustical evaluation.

Very truly yours,  
WALSH ♦ NORRIS & ASSOCIATES, INC.

David P. Walsh, FASA  
Principal

encl:



