



QUATTROCCHI KWOK
ARCHITECTS

March 29, 2021

Adam Ross
Planning & Economic Development
City of Santa Rosa
100 Santa Rosa Avenue, Room 3
Santa Rosa, CA 95404

RE: Noise Impacts at the Sonoma Academy Visual and Performing Arts Center

Mr. Ross,

In response to your inquiry regarding the potential sound generation of the new Sonoma Academy Performing Arts Center, I offer the following information.

The new PAC has been designed in collaboration with an acoustical engineering firm, Dohn and Associates. The stage and house of the center will be constructed employing a heavy roof, heavy double-stud walls, sound control roof vents, sound control windows and doors, entry and egress vestibules, and buffering perimeter spaces to minimize exterior noise intrusion. Conversely this design works in reverse and will minimize the amount of sound which can leave the building as well.

As defined by the City, "Nearby Sensitive Receptors" in the vicinity of the new Sonoma Academy PAC building are the neighbor's home approximately 200' north of the building, and the other school buildings on the SA Campus. Sound levels inside the PAC should never be allowed to be higher than about 85 dBA to protect student and patron hearing health, and even if sound levels occasionally peak to 90 dBA, these levels inside the PAC, the exterior sound levels will not exceed the day, evening or nighttime ambient noise level allowed by the City at the neighbor's property line. In addition, sounds from inside the PAC are not expected to be audible inside the neighbor's home, even with windows open.

MAIN:

636 Fifth Street, Santa Rosa, CA 95404

EAST BAY:

55 Harrison Street, Suite 525, Oakland, CA 94607

707.576.0829

A California Corporation

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The PAC is not intended to be an amplified rock concert rental venue and Sonoma Academy will have complete control over the types of performances they allow, maximum indoor sound levels, and at what times of day or night performances can occur.

I hope that this information provides you with what you need. If you have any further questions and concerns, please do not hesitate to contact me.

Sincerely,

Steven Kwok, AIA, Architect of Record