

Acoustical room analysis and placement design

To: David Gamson

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Auralex Products Specified: Elite ProPanel™ product line

A - "CT45" Elite ProPanels (2'x4'x2" thick) inverted bevel corner traps installed to span across each of the main 90° corner boundaries, centered between floor and ceiling.

B - "CT45" Elite ProPanels (2'x4'x2" thick) installed as wall absorbers to address general first order reflection issues as well as axial mode problems (in this room the front to rear or "x" and side to side or "y" dimensions are identical producing identical problems).

C - "B22" Elite ProPanels (2'x2'x1" thick) bevel edge panel layered over specific "CT45" panels to help address axial mode problems. Secondly, the "B22" panels offer enhanced aesthetic appearance as well.

D - Elite "ProFusors" (23 3/4" x23 3/4" x3 3/4") diffusion panels installed in an array on the ceiling directly above the mix position to enhance the stereo spectrum and ambient quality in the critical listening area by shattering and dispersing reflective energy rather than absorbing this energy.

Auralex Elite ProPanel™ product summary:

- 12 - CT45 panels
- 4 - B22 panels
- 6 - ProFusors (mounting hardware included)

I also suggest installing some sort of thick, theater style curtain over the closet nook to the front right-hand side of the mix position (upper right hand corner of the diagram) and the window located at the rear left-hand side of the mix position (lower left hand corner of the diagram) which is not as critical.

