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In previous work, the authors explored a connection between a periodic version of Pascal's triangle and the sequences of corridor numbers arising from the lattice path literature. In turn, these observations naturally suggested discrete Fourier methods in order to further analyze the structures related to corridors. This leads to straightforward generalizations of certain formulas that previously had more technical proofs. We indicate how multidimensional Fourier methods can be used to analyze paths higher dimensional corridors. This presentation is based on work currently in preparation, as a follow-up to a recently accepted paper. (Received August 29, 2014)