Stability of the orthorhombic \textit{Fddd} phase in diblocks using Landau theory of weak crystallization AMIT RANJAN, DAVID MORSE, Department of Chemical Engineering and Materials Science, University of Minnesota — Recent numerical SCFT calculations by Tyler and Morse [\textit{Phys. Rev. Lett.}, 94, 208302, 2005] predict a stable orthorhombic network phase with space group \textit{Fddd} in weakly segregated diblocks. In this work, we examine the stability of the \textit{Fddd} phase using Landau theory. Our analysis and results suggest that \textit{Fddd} structure with a special unit cell is expected to be a stable phase not only in weakly segregated diblocks but in any other weakly ordered material.