$$\begin{array}{ccc}
\mathbf{C}_1 & \xrightarrow{\;\;f_1\;\;} & \mathbf{D}_1 \\
& \mathbf{Cat} & \\
F \downarrow \;\; \mathbf{Cat} & & \mathbf{Cat} \;\; \uparrow G \\
& \mathbf{Cat} & \\
\mathbf{C}_2 & \xrightarrow[f_2]{} & \mathbf{D}_2
\end{array}$$