$$\Psi_{162} = C_1 \left(-|02dd\rangle + |0dd2\rangle + |20dd\rangle - |2dd0\rangle + |d02d\rangle - |d20d\rangle - |dd02\rangle + |dd20\rangle\right)$$

$$C_1 = \frac{-1}{2\sqrt{2}}$$