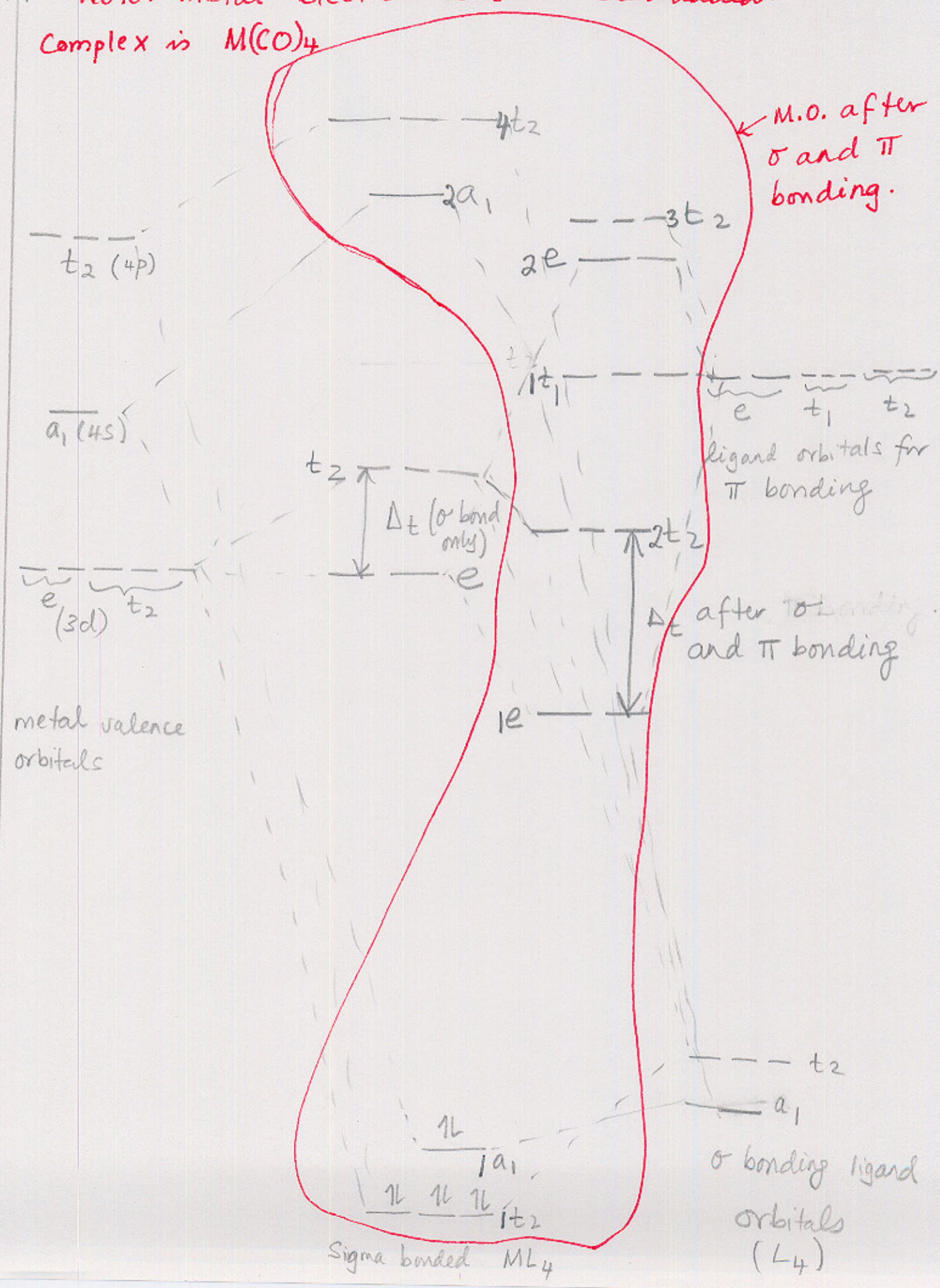


E ↑

Note: Metal electrons have not been added.

Complex is $M(CO)_4$



M.O. after σ and π bonding.

ligand orbitals for π bonding

Δ_t after π bonding and π bonding

metal valence orbitals

Sigma bonded ML_4

σ bonding ligand orbitals (L_4)