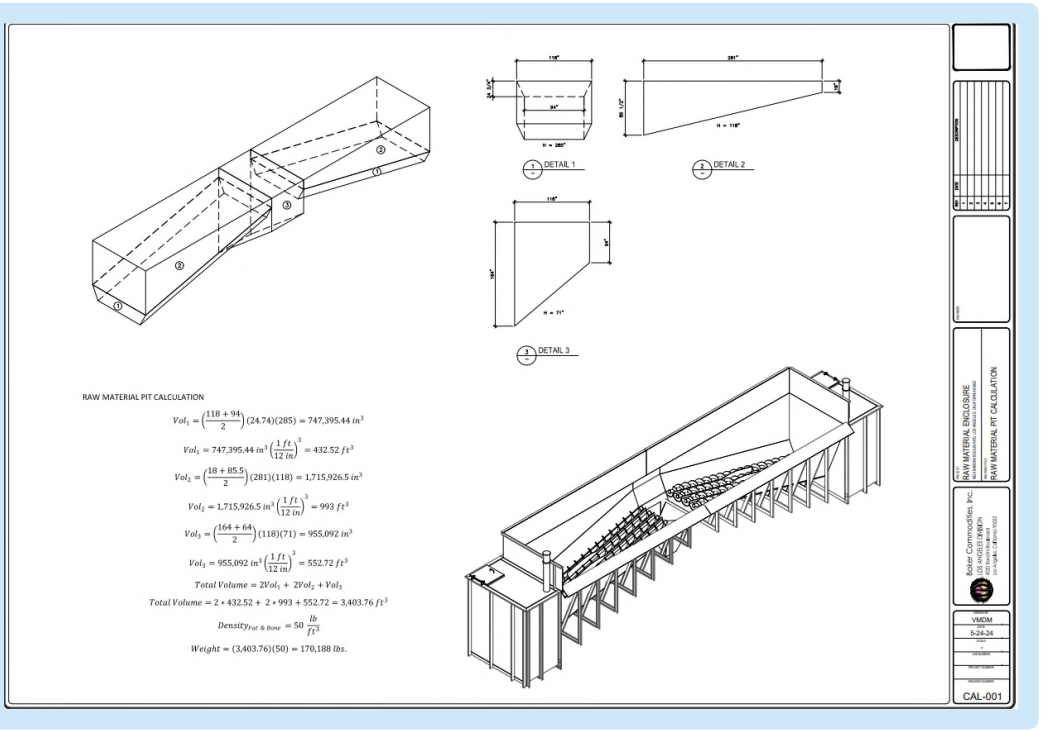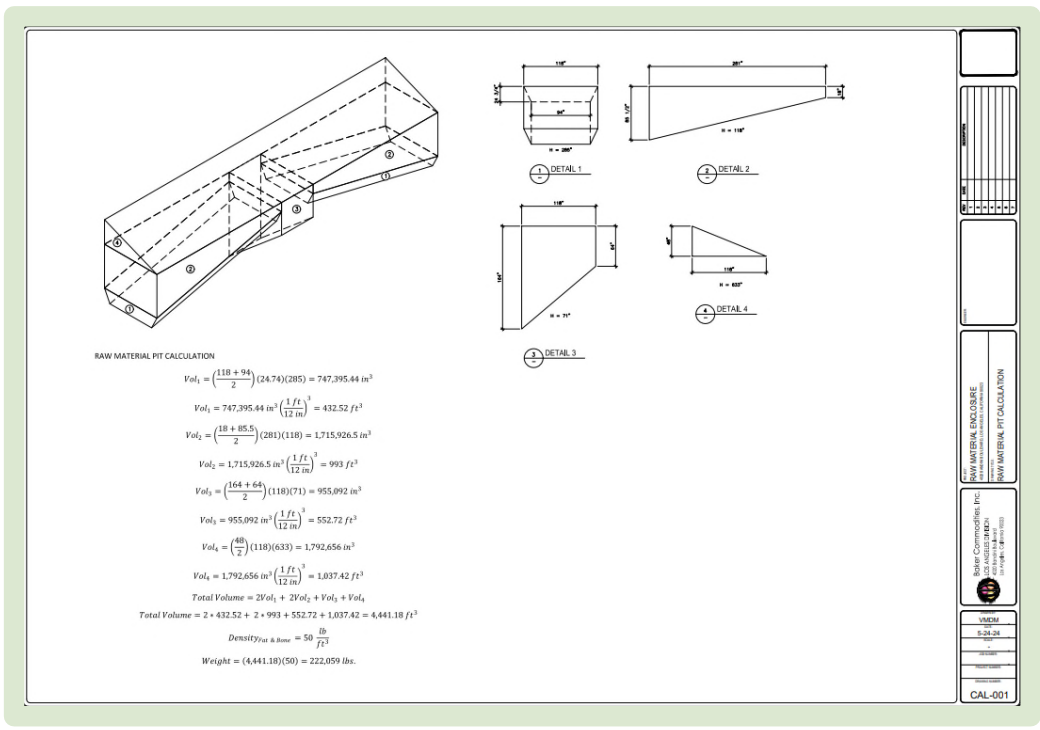Pit Volume Calculations