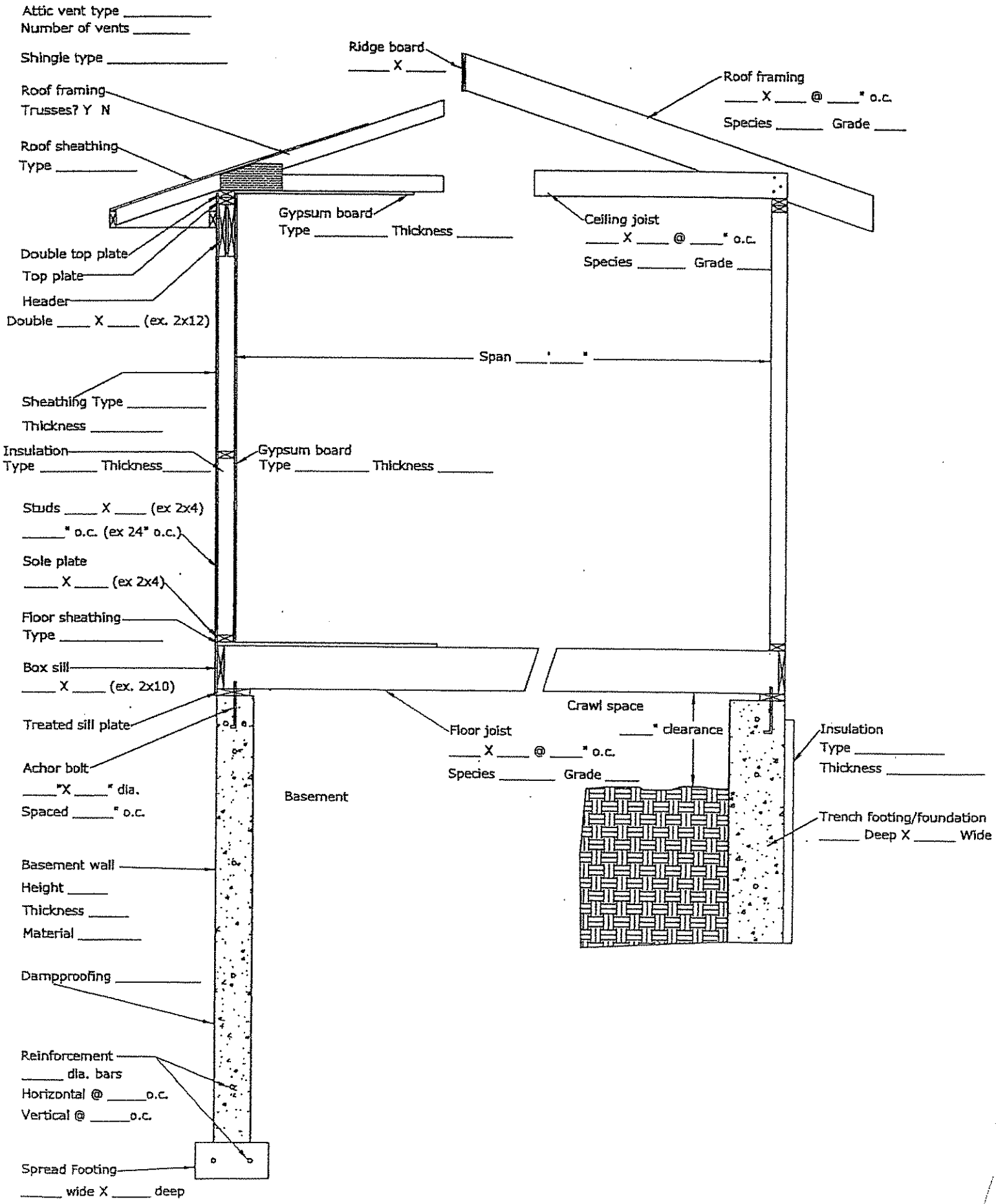Sample Construction Detail