

結構構件計算詳細列式查核

樓層: 1F, 梯代號: ST1, 位置: P001-1 [B:42,Y5:121], 梯寬: 96.1 cm, 級高: 16, 級深: 26, 踏步數: 26, 梯長: 793.7455 cm

#4 上端線筋-雙層雙向型= $(793.75++[\text{握持長度}L_d]37*2)*[\text{排數}](\text{Int}(96.1/15)+1)/100= 60.74 \text{ M}$

#4 上端點筋-雙層雙向型= $[\text{單側接牆}](96.1+[\text{延伸}+\text{彎鉤}L_{dh}+A_1](15+18.3)*1)*[\text{排數}](\text{Int}((793.7455/20)+1)/100= 51.75 \text{ M}$

#4 下端線筋-雙層雙向型= $(793.75++[\text{握持長度}L_d]37*2)*[\text{排數}](\text{Int}(96.1/15)+1)/100= 60.74 \text{ M}$

#4 下端點筋-雙層雙向型= $[\text{單側接牆}](96.1+[\text{延伸}+\text{彎鉤}L_{dh}+A_1](15+18.3)*1)*[\text{排數}](\text{Int}((793.7455/20)+1)/100= 56.44 \text{ M}$

模版計算:

模版(底模) = $793.75*96.1/10000= 7.63 \text{ M}^2$

模版(立模) = $96.1*16*26/10000= 4.00 \text{ M}^2$

模版(側邊-封單邊)= $793.75*15*1/10000= 1.19 \text{ M}^2$

模版(踏步側邊-封單邊) = $(16*26/2)*26*1/10000= 0.54 \text{ M}^2$

模版_小計 = $7.63+4.00+1.19+0.54+0.00= 13.36 \text{ M}^2$

RC計算:

RC(斜版) = $793.7455*96.1*15/1000000= 1.144 \text{ M}^3$

RC(階梯) = $(16*26/2)*96.1*26/1000000= 0.520 \text{ M}^3$

RC_小計 = $1.144+0.520+0.000= 1.664 \text{ M}^3$

-----計算結果小計-----

鋼筋計算結果:

#4= 229.678 M ($229.678 \text{ M}*0.994/1000= 0.2283 \text{ T}$)

鋼筋小計 = 0.2283 T

模版小計 = 13.36 M²

混凝土小計 = 1.664 M³