

Column 2										Column Sheet 1		Revision -																																																																																																																										
CALCULATIONS										OUTPUT																																																																																																																												
Column ID: C2 (2 Stories) f _{yv} , N/mm ² 410 f _{yv} , N/mm ² 250 f _{cu} , N/mm ² 20 Den., kg/m ³ 24																																																																																																																																						
Durability and Fire Resistance - Minimum cover to all steel for Mild exposure = 25 mm										Cover to Links = 40 mm																																																																																																																												
<div><div><div>3</div><div>Roof</div><div>3550 mm</div><div>Storey 2</div><div>C1 - C2 - C3</div></div><div><div>2</div><div>1st Floor</div><div>5550 mm</div><div>Storey 1</div><div>C1 - C2 - C3</div></div><div><div>1</div><div>Ground Floor</div></div><div><div>0</div><div>Footing F C2</div></div></div> <div><table><tr><td>Label</td><td>C1</td><td>-</td><td>C2</td><td>C2</td><td>-</td><td>C3</td><td></td><td></td><td></td><td></td></tr><tr><td>Beam Stiffness</td><td>35.499558</td><td></td><td>42.897157</td><td></td><td></td><td></td><td>0</td><td></td><td>0</td><td>78</td></tr><tr><td>FEM (Unbalanced)</td><td></td><td></td><td>84</td><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td></tr><tr><td>Moment (Under Side)</td><td>9.499549866</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td></tr><tr><td>Load from Beam</td><td>150</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td></tr></table> <table><tr><td>Label</td><td>C1</td><td>-</td><td>C2</td><td>C2</td><td>-</td><td>C3</td><td></td><td></td><td></td><td></td></tr><tr><td>Beam Stiffness</td><td>84.147102</td><td></td><td>101.68215</td><td></td><td></td><td></td><td>0</td><td></td><td>0</td><td>##</td></tr><tr><td>FEM (Unbalanced)</td><td></td><td></td><td>168</td><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td></tr><tr><td>Moment (Topside)</td><td>5.31206274</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td></tr><tr><td>Moment (Underside)</td><td>5.31206274</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td></tr><tr><td>Load from Beam</td><td>426.2456033</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td></tr></table></div>										Label	C1	-	C2	C2	-	C3					Beam Stiffness	35.499558		42.897157				0		0	78	FEM (Unbalanced)			84					0			Moment (Under Side)	9.499549866							0			Load from Beam	150							0			Label	C1	-	C2	C2	-	C3					Beam Stiffness	84.147102		101.68215				0		0	##	FEM (Unbalanced)			168					0			Moment (Topside)	5.31206274							0			Moment (Underside)	5.31206274							0			Load from Beam	426.2456033							0						
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