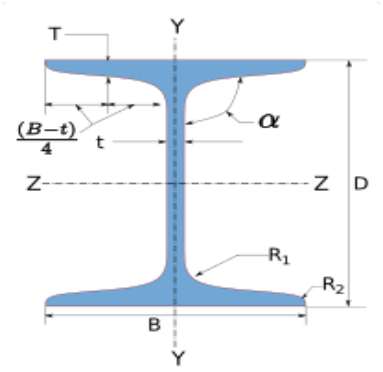
Company Name	LoremIpsum	Project Title	Fossee
Group/Team Name	LoremIpsum	Subtitle	
Designer	LoremIpsum	Job Number	123
Date	18 /05 /2020	Client	LoremIpsum

1 Input Parameters

Module		Column Coverplate Weld Connection	
MainModule		Moment Connection	
Moment(kNm)*		10.0	
Shear(kN)*		10.0	
Axial (kN) *		10.0	
Section			
	Column Section *	UC 305 x 305 x 137	
	Material *	E 250 (Fe 410 W)A	
	Ultimate strength, fu (MPa)	410	
	Yield Strength , fy (MPa)	250	
	Mass 136.9	Iz(mm4)	328140000.0
	Area(mm2) - A 17440.0	Iy(mm4)	106980000.0
	D(mm) 320.5	rz(mm)	137.0
	B(mm) 309.2	ry(mm)	78.3
	t(mm) 13.8	Zz(mm3)	2048000.0
	T(mm) 21.7	Zy(mm3)	692000.0
	FlangeSlope 90	Zpz(mm3)	2297000.0
	R1(mm) 15.2	Zpy(mm3)	692000.0
	R2(mm) 0.0		
Weld Details			
Weld Type		Fillet	
Type of weld fabrication		Shop Weld	
Material grade overwrite (MPa) Fu		410.0	

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2 Design Checks

2.1 Weld Design Checks

Check	Required	Provided	Remarks
Min Weld Size (mm)	$Thickness\ of\ Thicker\ part$ $= max(21.7, 28.0)$ $= 28.0$ $IS800:2007\ cl.10.5.2.3\ Table21,$ $t_{w_{min}} = 6$	16	Pass
Max Weld Size (mm)	$Thickness\ of\ Thinner\ part$ $= Min(21.7, 28.0) = 21.7$ $t_{w_{max}} = 21.7$	16	Pass

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3 3D View

Figure 1: 3D View