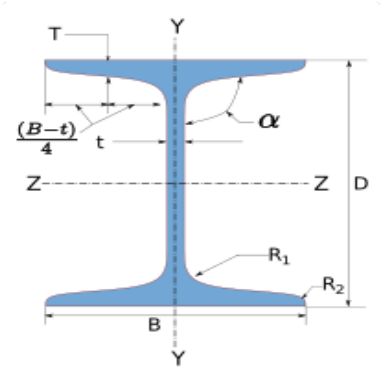
Company Name	LoremIpsum	Project Title	Fossee
Group/Team Name	LoremIpsum	Subtitle	
Designer	LoremIpsum	Job Number	123
Date	18 /05 /2020	Client	LoremIpsum

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 *	PBP 400X122.4	
	Material *	E 250 (Fe 410 W)A	
	Ultimate strength, fu (MPa)	410	
	Yield Strength , fy (MPa)	250	
	Mass 122.41	Iz(mm4)	347697000.0
	Area(mm2) - A 15590.0	Iy(mm4)	138495800.0
	D(mm) 348.0	rz(mm)	149.3
	B(mm) 390.0	ry(mm)	94.2
	t(mm) 14.0	Zz(mm3)	1998260.0
	T(mm) 14	Zy(mm3)	710230.0
	FlangeSlope 90	Zpz(mm3)	2212300.0
	R1(mm) 1.5	Zpy(mm3)	710230.0
	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)	$Thickness\ of\ Thicker\ part$ $= max(14, 18.0)$ $= 18.0$ $IS800:2007\ cl.10.5.2.3\ Table21,$ $t_{w_{min}} = 5$	12	Pass
Max Weld Size (mm)	$Thickness\ of\ Thinner\ part$ $= Min(14, 18.0) = 14$ $t_{w_{max}} = 14$	12	Pass

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3 3D View

Figure 1: 3D View