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Client:



Project:

WIDE FACE STUD

Project No.

40385

Notes:

1. Material yield and ultimate tensile strength based on SGS testing data.
 $F_{y(min.)} = 270\text{MPa}$, $F_{u(min.)} = 360\text{MPa}$
2. Maximum unrestrained length for full section capacity ΦM_{sx} $L_{max.} = 1200\text{mm}$.

 Maximum unstrained length for member bending capacity ΦM_{bx} $L_{max.} = 1500\text{mm}$.
3. Member section capacities and member bending capacities have been calculated using FE analysis in accordance with AS/NZS4600:2018 section 3,7 and Appendix D.
4. The values provided are strictly limited to " Non-load bearing " partition walls, subject to bending out of plane, or about major stud axis.

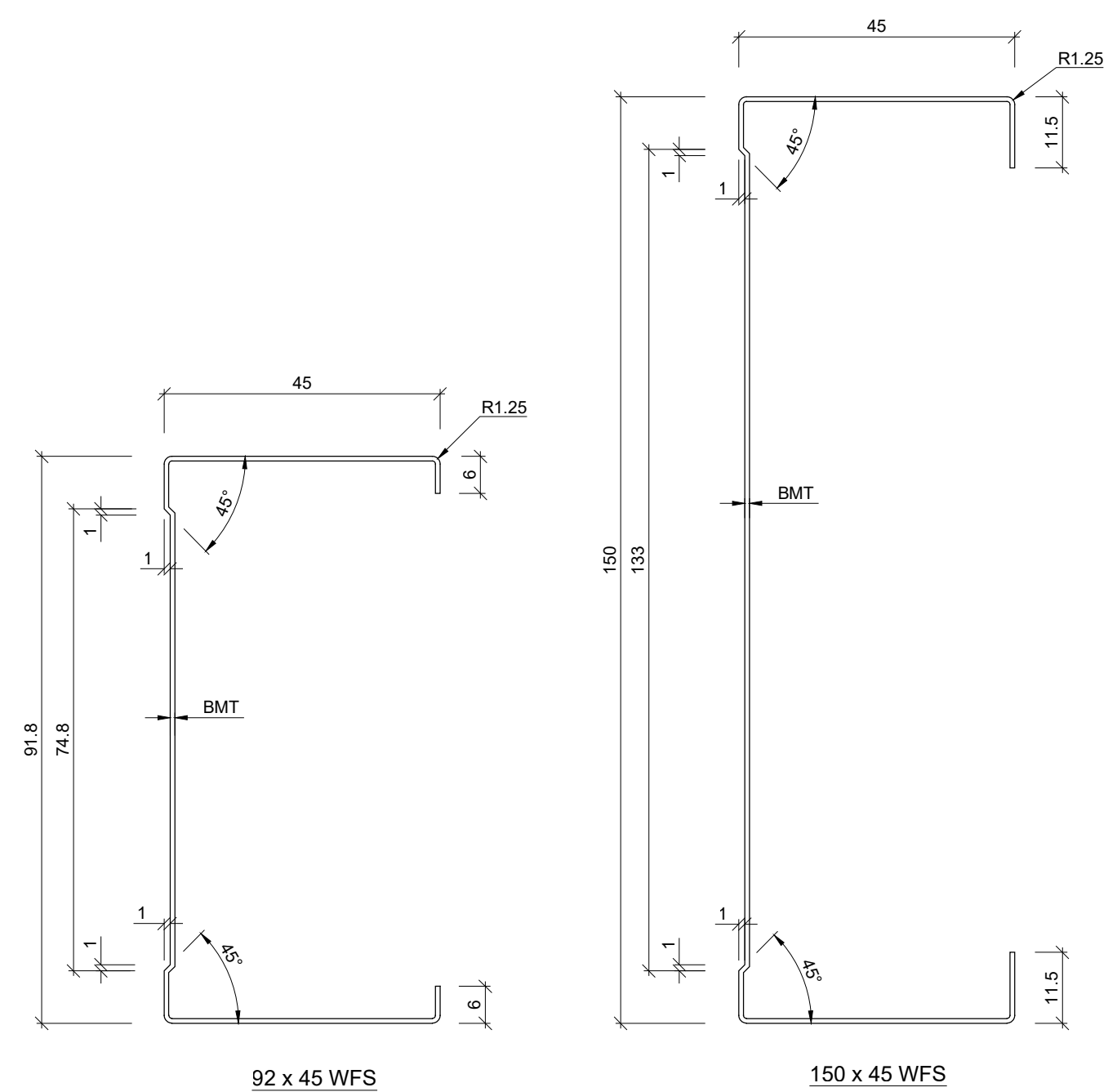


TABLE 1 - EcoPlus Wide Face Stud Flexural Section Properties

Description	92 WFS			150 WFS	
	0.55 BMT	0.75 BMT	1.15 BMT	0.75 BMT	1.15 BMT
I_{gx} (mm ⁴)	1.46E+05	1.96E+05	2.95E+05	6.48E+05	9.78E+05
I_{gy} (mm ⁴)	2.51E+04	3.36E+04	4.96E+04	4.76E+04	7.06E+04
ΦM_{sx} kNm	0.41	0.65	1.54	1.46	2.65
ΦM_{bx} kNm	0.41	0.65	1.29	1.35	2.64



Client:
 Project: **WIDE FACE STUD FLEXURAL SECTION PROPERTIES**

Drawing Title: **92 & 150 WIDE FACE STUD FLEXURAL SECTION PROPERTIES**

Scale (A1): -			
Scale (A3): 1 : 1			
Dwn By: LM	No.	Revision	By Date
Engineer: LC	40385	S1-01	LM 21.04.26