Contents

List of Figures III				
List of Tables				IV
1	Introduction			1
2	System 2.1 Design of the profiles			2
3	Calculation of the connections without compliance			
	3.1	Design	of connection number 1	7
		3.1.1	Design of member 1 in connection 1	7
		3.1.2	Design of member 2 in connection 1	13
		3.1.3	Design of member 3 in connection 1	15
	3.2	Design	n of connection number 6 (ridge)	18
		3.2.1	Design of member 14 in connection 6	19
		3.2.2	Design of member 15 in connection 6	20
4	Calculation of the connections with compliance			
	4.1	Design	n of connection number 1	28
		4.1.1	Design of member 1 in connection 1	28
		4.1.2	Design of member 2 in connection 1	31
		4.1.3	Design of member 3 in connection 1	32
5	Comparison of the 2 methods			
6	6 Conclusion			35
Bi	Bibliography			
Appendix				36
Α	A Verification of the profiles			
В	B Drafts of the truss			
С	Inner forces for load combination one			
D	VBA Code			50