





Material propert	ies		
Measured mechan	ical properties of	steel and con	crete at room temperature
	Steel		
	Yield stress	Ultimate stress	
Ø6 (hot-rolled)	552 MPa	598 MPa	
Ø10 (cold-worked)	587 MPa	677 MPa	
Steel sheeting	306 MPa	384 MPa	
	Concrete		
	Compressive stress	Tensile stress	
C25	33.6 MPa	3.5 MPa	
	nperature depen	dent accordin	l thermal material properties are 1g to EN 19913-1-2 and EN 1994-
		Structural Analysi	













