

Student(s)

## Resource Efficiency Estimate & Carbon Footprint Calculation

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Submission date yyyy-mm-dd

### Project details

Address Tietolinja, Oulu, Finland

Type Office buildings

GFA m<sup>2</sup> (brm<sup>2</sup>) 00000

### 1. Foundations and substructure

resource	quantity	unit	comments
Ready-mix concrete, normal-strength, generic, C40/50 (5800/7300 PSI), 0% recycled binders in cement	2160	m3	foundation (perustus)

### 2. Vertical structures and facade

resource	quantity	unit	comments
Glass-aluminium facade, triple-glazed, 36.5 kg/m <sup>2</sup>	72000	m2	façade (julkisivu)
CLT, Cross laminated timber, 470 kg/m <sup>3</sup> , moisture content 12%	150	m3	load-bearing columns (kantavat pilarit)
Concrete block, lightweight aggregates, not insulated, 644 kg/m <sup>3</sup>	720	m3	non-load-bearing partitions/walls (kevyet väliseinät)

