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![](_page_29_Figure_2.jpeg)

![](_page_30_Picture_0.jpeg)

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![](_page_31_Figure_0.jpeg)

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![](_page_32_Picture_2.jpeg)

![](_page_33_Picture_0.jpeg)

![](_page_33_Figure_2.jpeg)

![](_page_34_Picture_0.jpeg)

## Rippmann Floor System (RFS)

RFS is a rib-stiffened funicular floor that is

- discretised
- dry assembled, no chemical connection
- no embedded reinforcement
- using low-strength concrete
- prefabricated

and, as a result,

- lightweight
- low carbon footprint
- completely demountable
- easily recyclable
- allows a Circular Economy

![](_page_34_Picture_15.jpeg)

![](_page_35_Figure_0.jpeg)

![](_page_35_Picture_1.jpeg)

CreaTower I - 10-storey office tower in Zug, Gigon+Guyer Architects, 1st place competition

![](_page_36_Picture_0.jpeg)

![](_page_36_Picture_2.jpeg)

![](_page_37_Picture_0.jpeg)

![](_page_37_Picture_1.jpeg)

![](_page_37_Picture_2.jpeg)

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