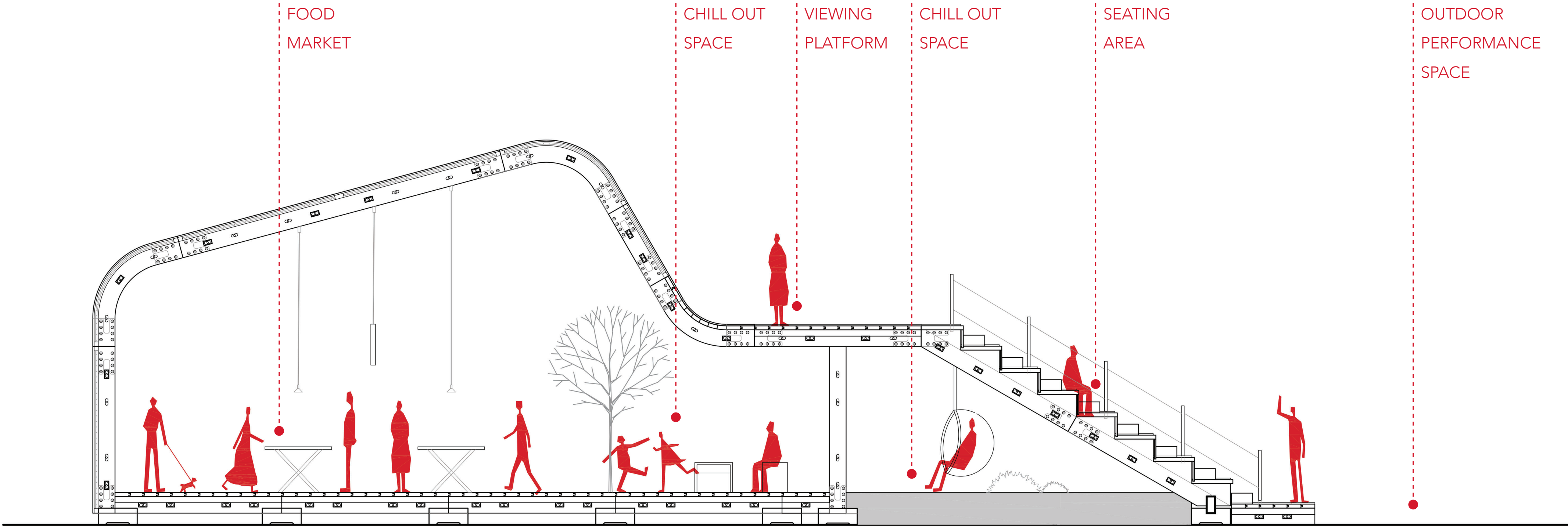
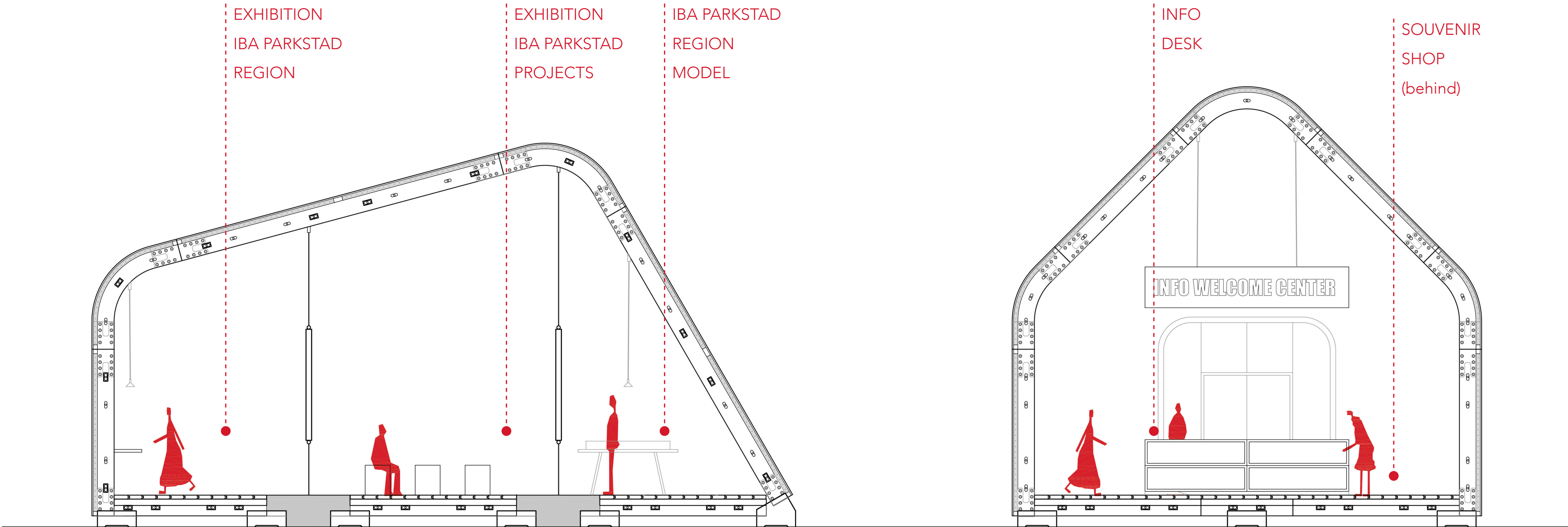


Heerlen - Welcome Centre



Section A
SCALE 1:50



Section B
SCALE 1:50

Section C
SCALE 1:50

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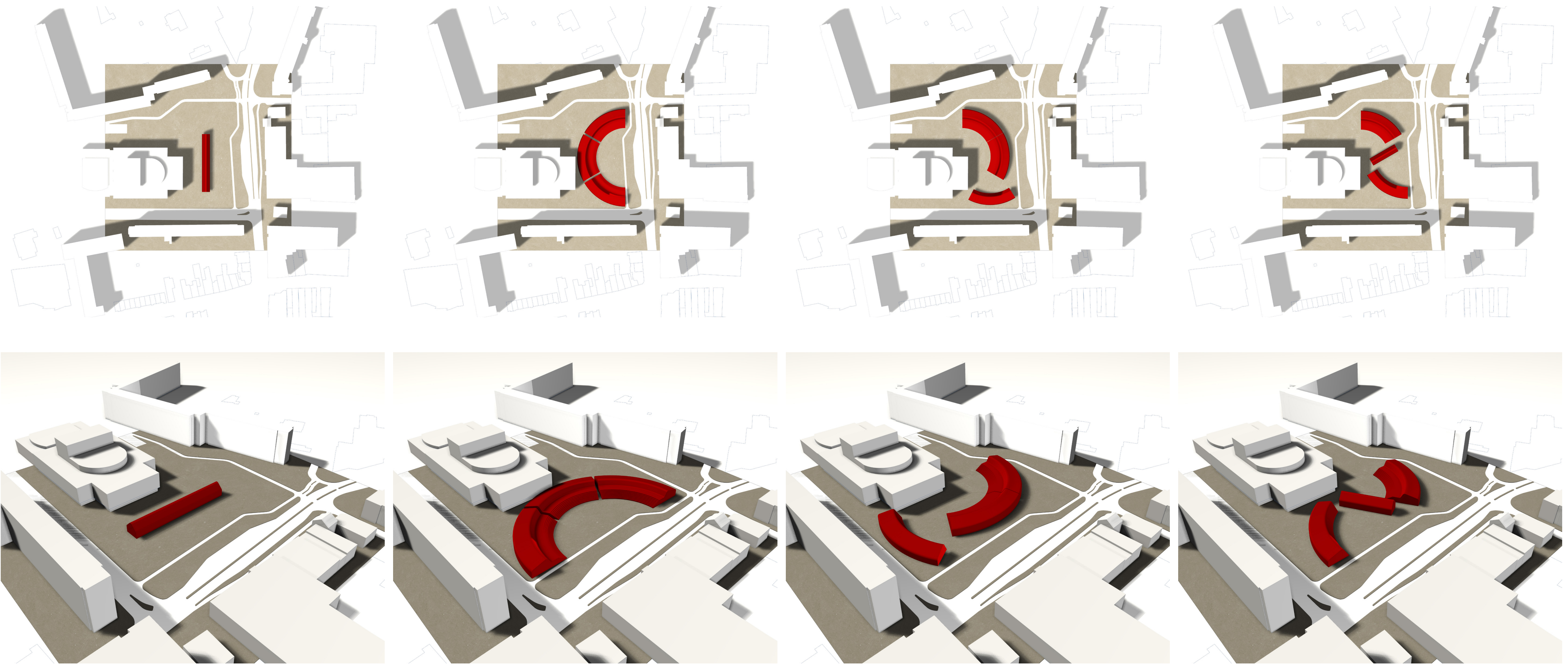
Manuella Borges
Tutors: A. Snijders, F. Koopman & M. Stellingwerf

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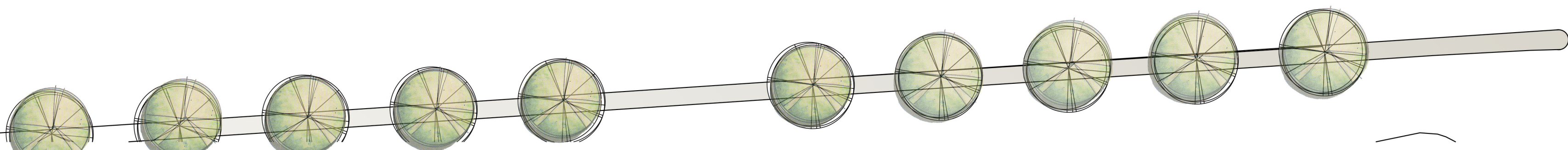


Massing and Urban Study



Floor Plan

SCALE 1:250



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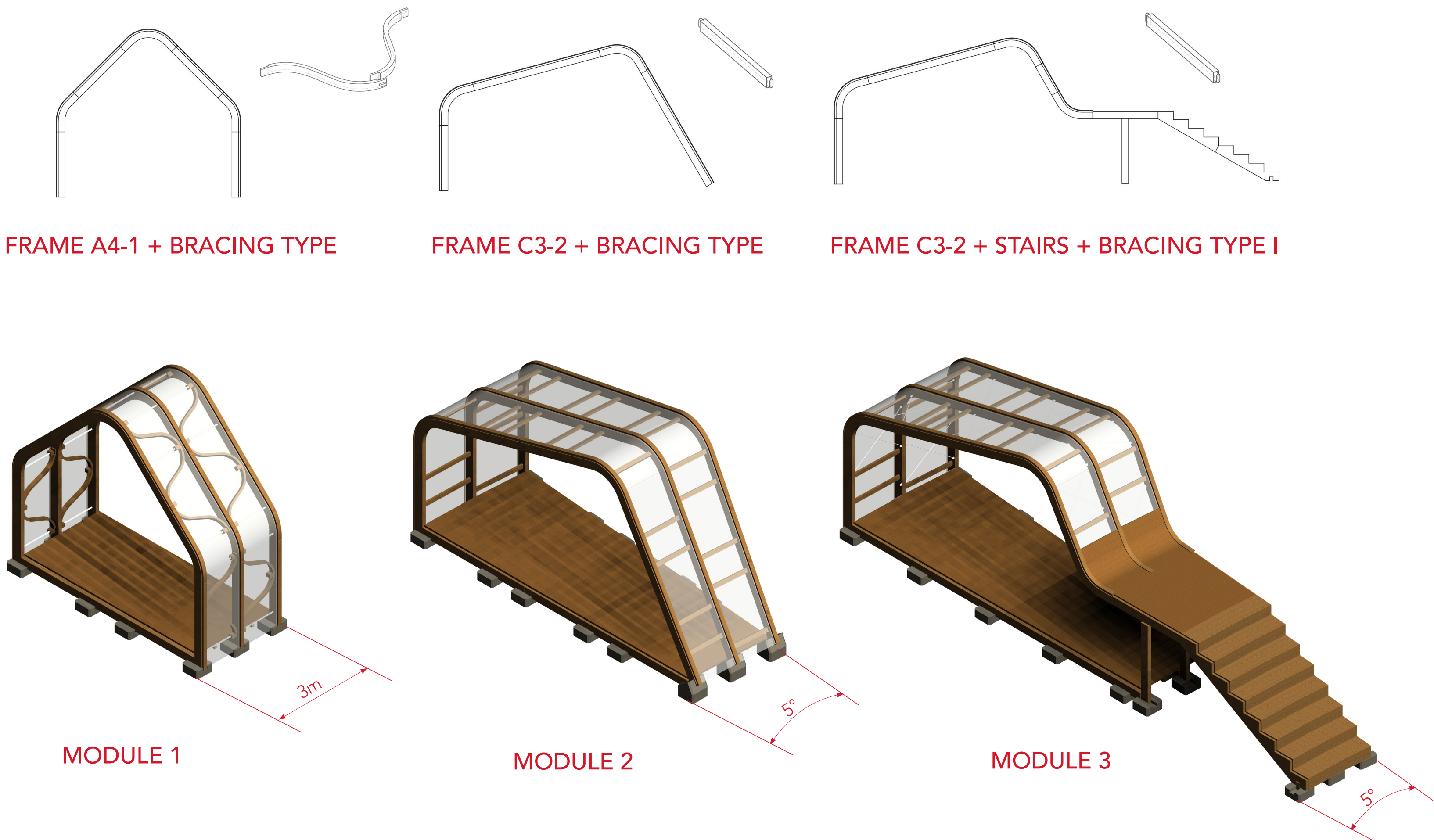
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Toolbox use for modules creation



Exploded Axonometric

MODULAR FACADE SLIDING SYSTEM

BRACING (TYPE III)

LAMINATED AND ACETYLATED WOOD FRAME

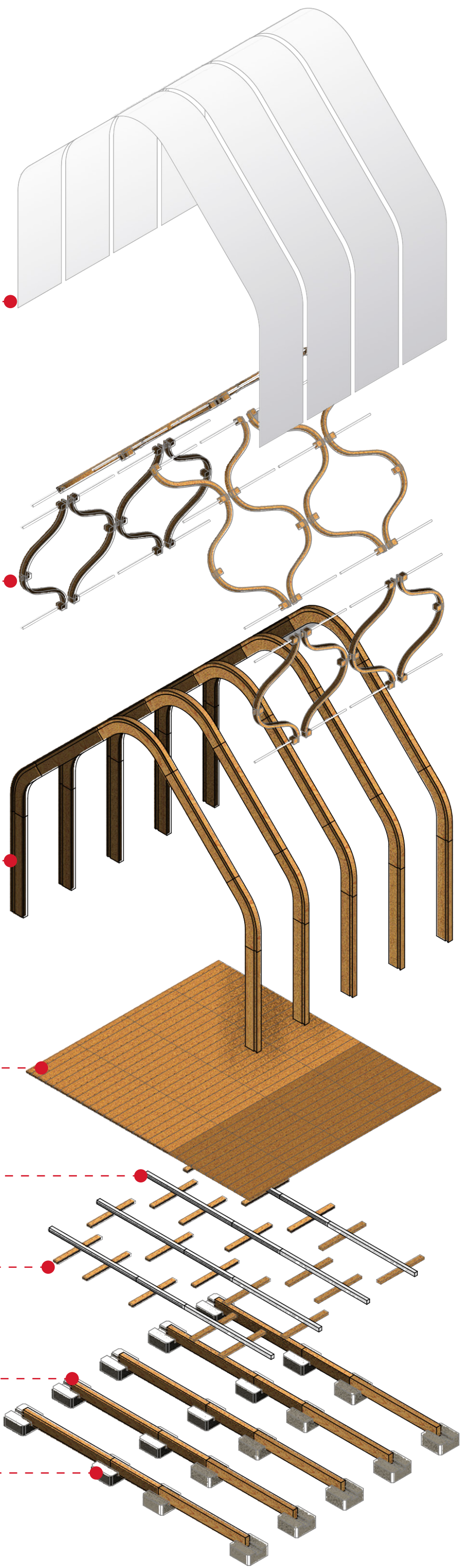
WOOD DECKING (TONGE AND GROOVE CONNECTION)

WOOD PURLINS

BRACING (TYPE I)

LAMINATED AND ACETYLATED WOOD BEAM

LIGHTWEIGHT CONCRETE FOOTING

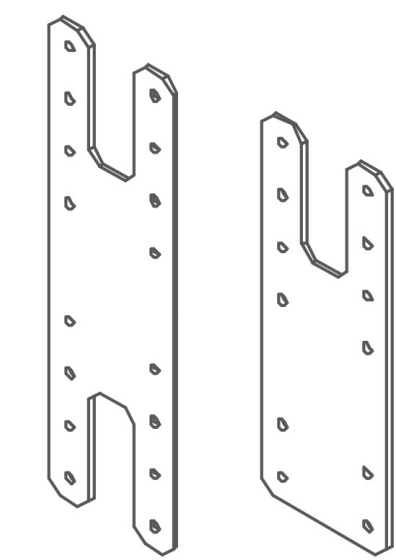


Toolbox

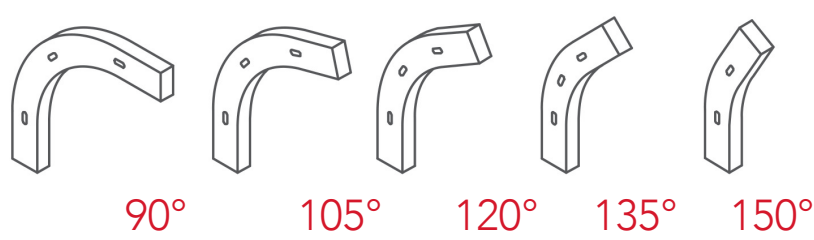
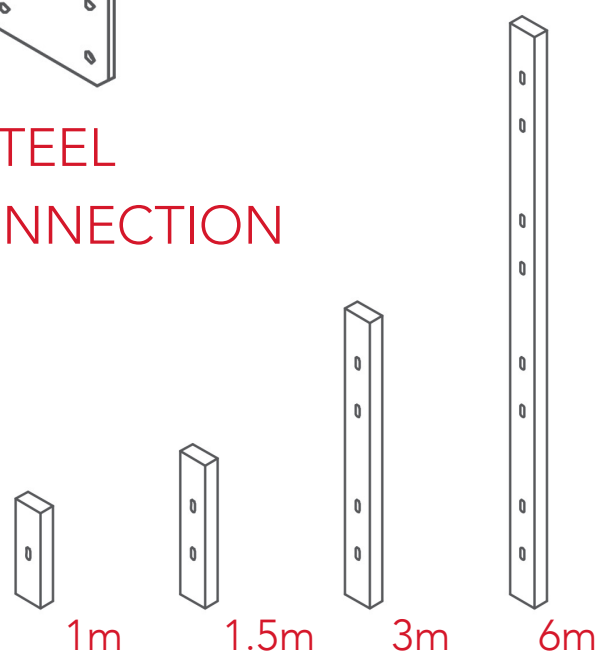
Primary Structure - Main members and connections

SYSTEM I:
sectional profile 300x150mm

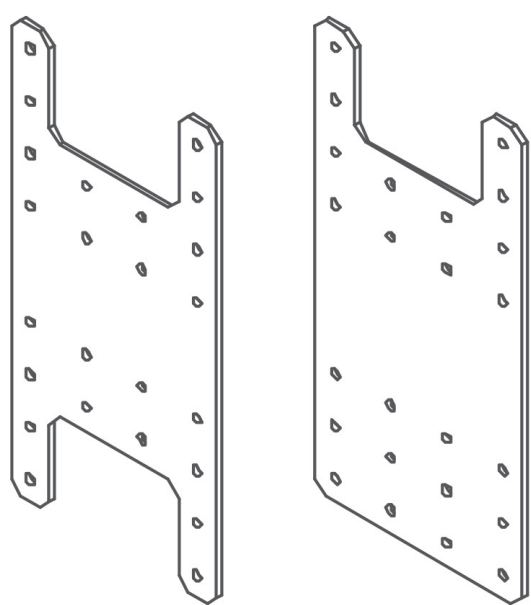
sectional profile 400x150mm



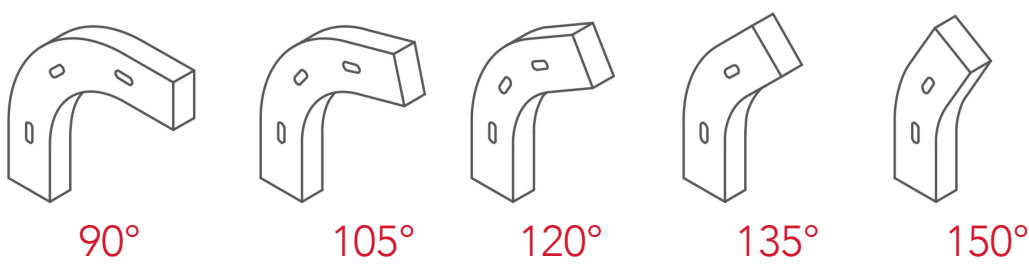
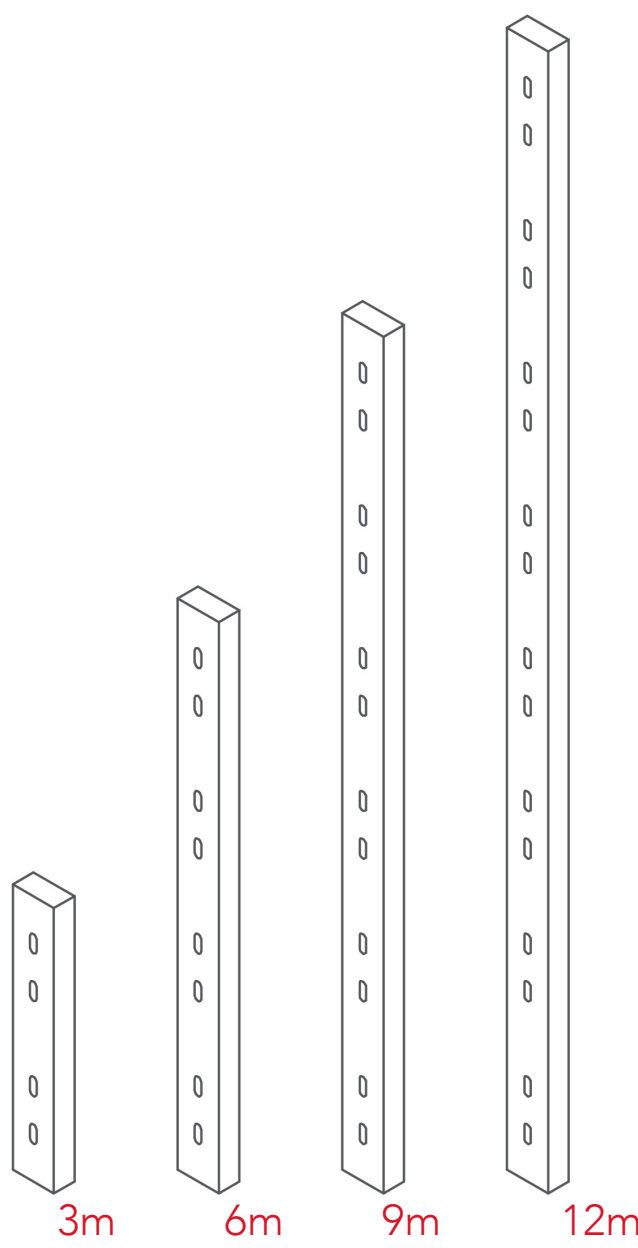
SYSTEM I STEEL
PLATES CONNECTION



SYSTEM II:
sectional profile 500x250mm



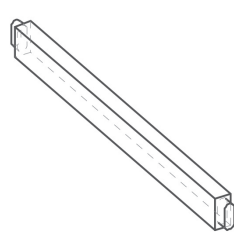
SYSTEM II STEEL
PLATES CONNECTION



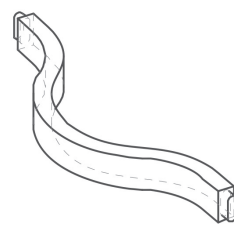
EXPANSION BOLT

Secondary Structure - Bracing and connections

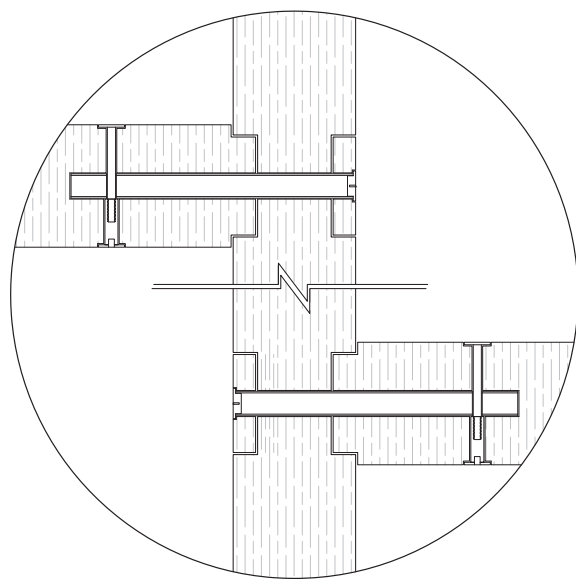
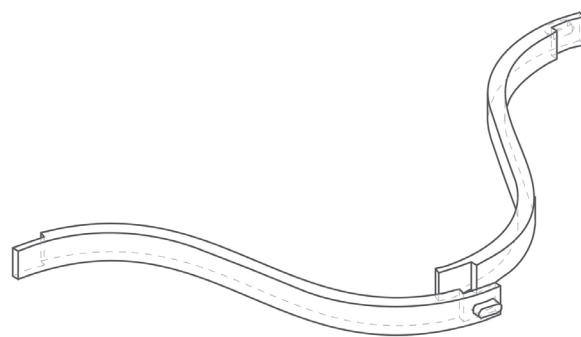
BRACING TYPE I



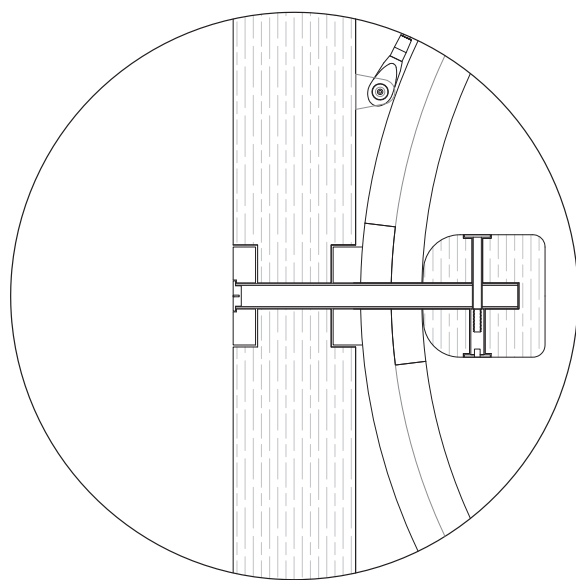
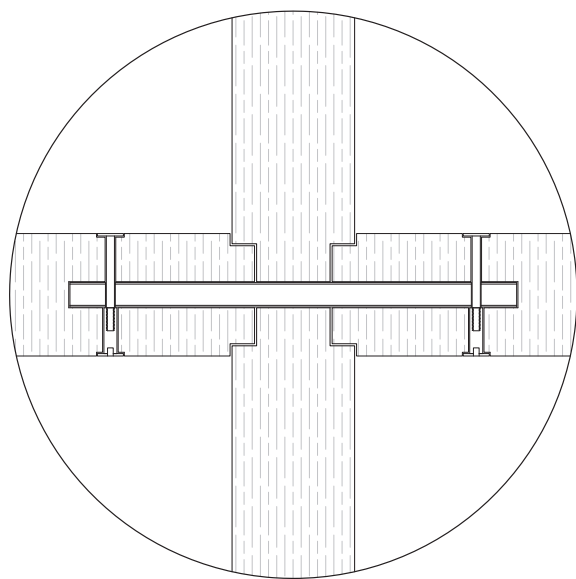
BRACING TYPE II



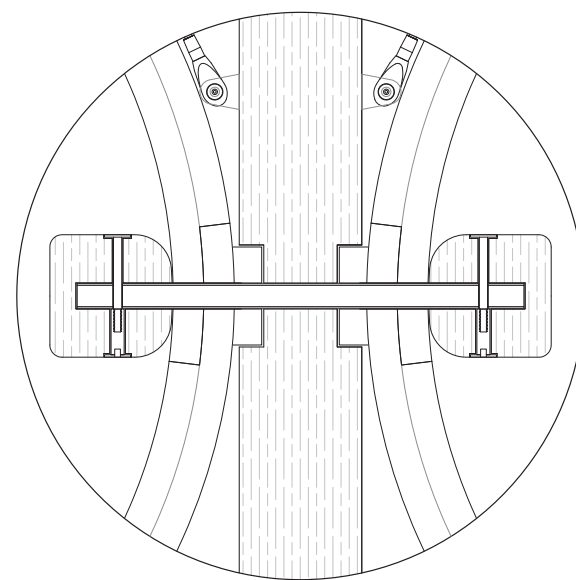
BRACING TYPE III



CONNECTION
FOR BRACING
TYPE I OR
TYPE II



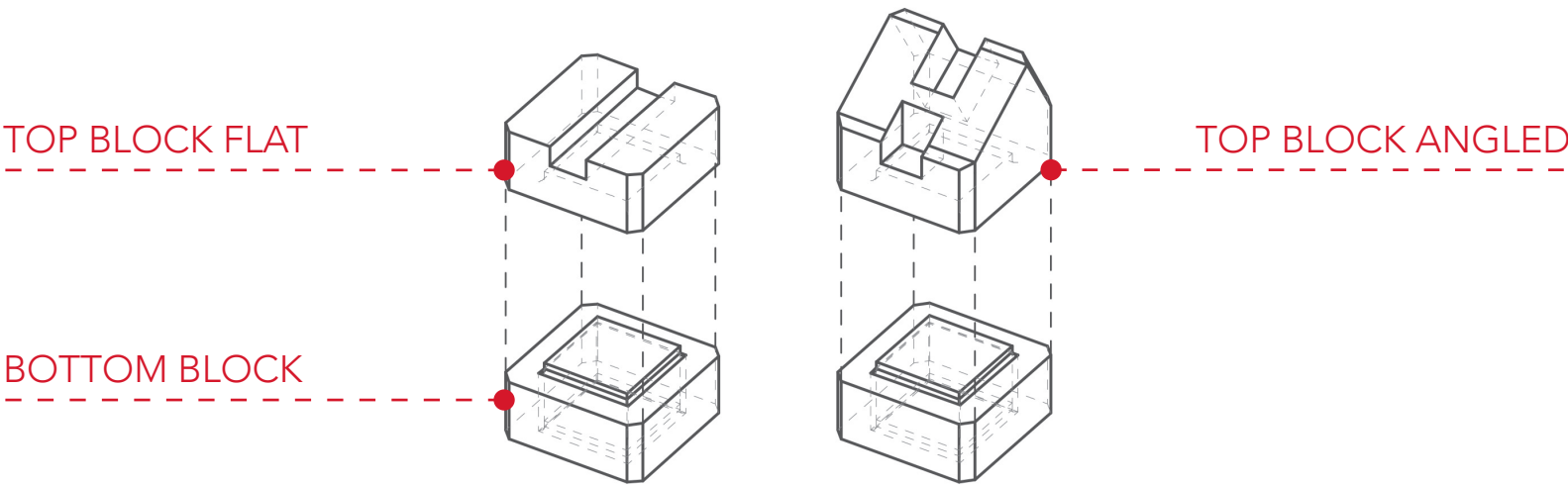
CONNECTION
FOR BRACING
TYPE III



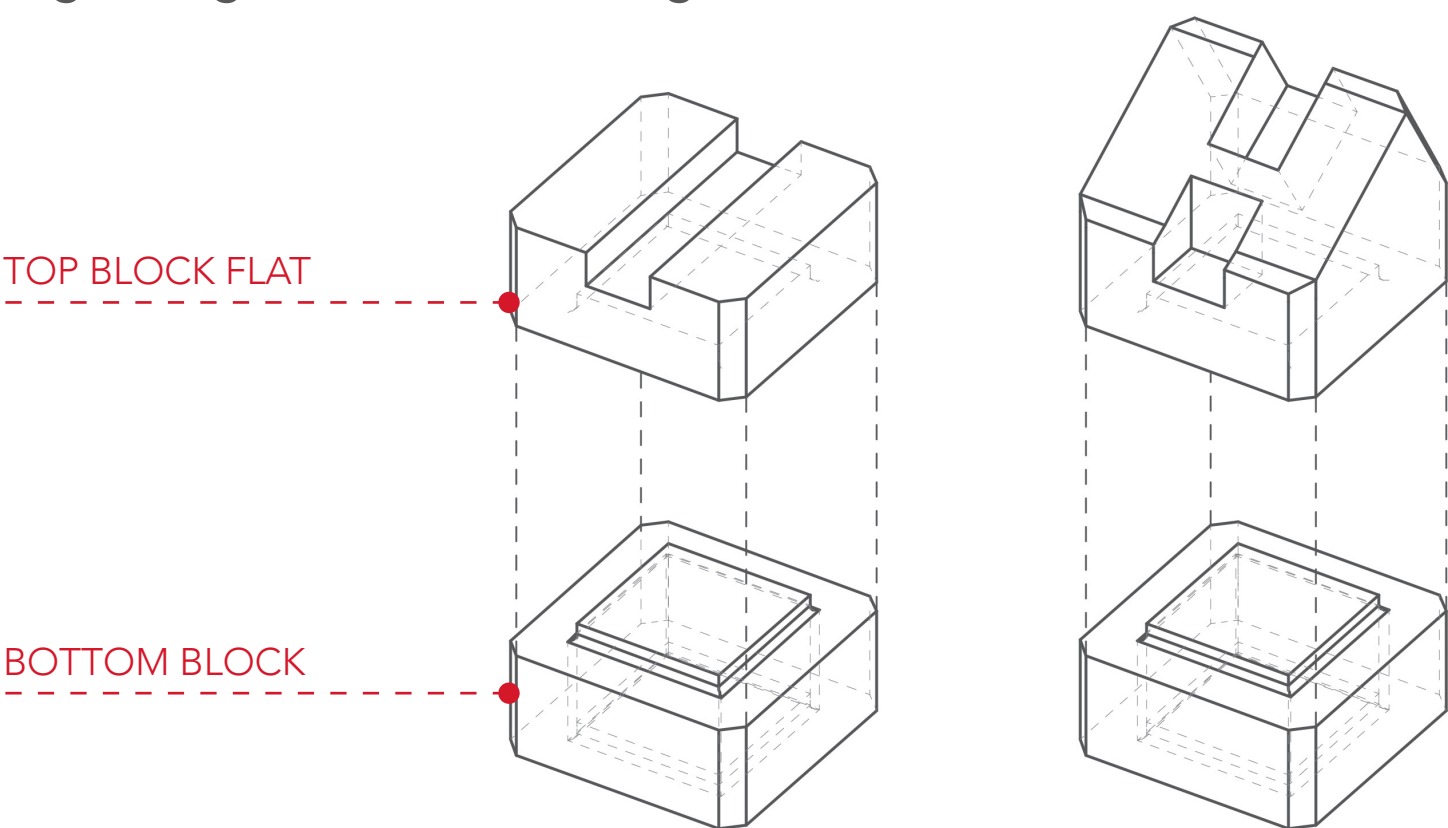
HOLLOW ALUMINUM
CONNECTION

Stackable Foundation

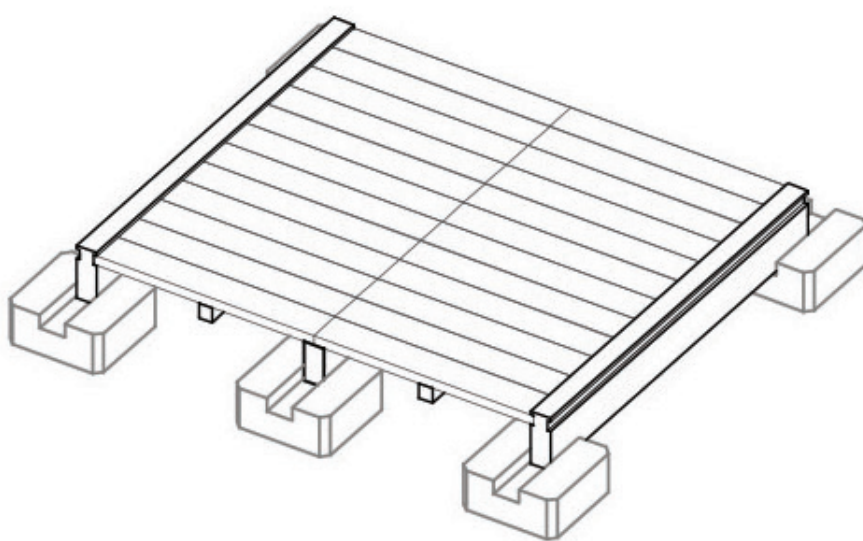
SYSTEM I
Lightweight concrete footing (700 x 700mm)



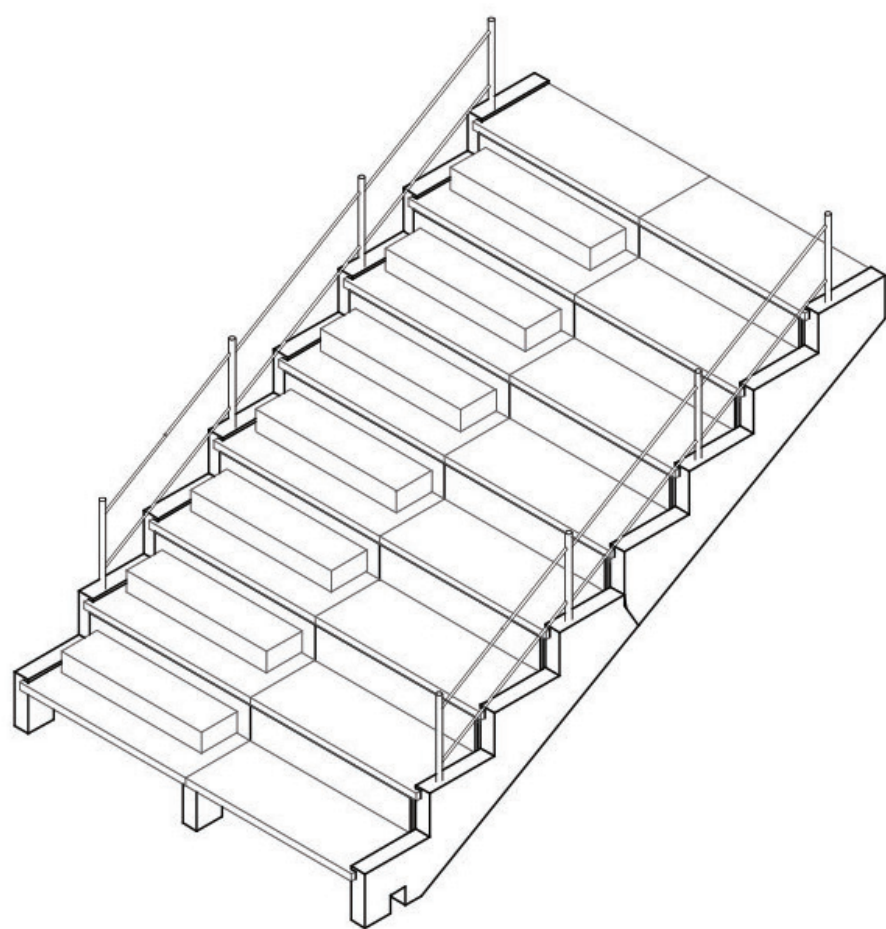
SYSTEM II
Lightweight concrete footing (1200 x 1200mm)



Modular floor system



Modular stairs system



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