Concept #4: elevated blocktower.
Surprising lightness...

+ Living with a view.
+ Landmark for new development.
+ Living onto the water.
+ In scale with low-rise Houthaven.
+ Public access of interior.
+ Connecting to the water around.
4 penthouses (1450 sqm) marketed as ‘largest penthouse in the Netherlands’.
Bridge apartments in the trusses. As desirable as the penthouses on top.
BIM Agreements
Overall mindset

“Use and combine available knowledge and standards, rather than reinvent it yourself”

Lex Ransijn & Jeffrey Truijens
Start with collaboration
Way of work

FIG. 17. Functional Specifications and Technical Specifications complement each other.

Way of work – “Hamburger” model
2 general contractors, 1 vision
# BIM Protocol/ Execution Plan

## WHY

- [ ] Bullet (16 pt.)
- [ ] Sub-bullet (16 pt.)
- [ ] Basic sub-header (16 pt.)

## HOW

- [ ] Level up
- [ ] Level down

## WHAT

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<tr>
<th>openBIM</th>
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<th>Middle</th>
<th>Bottom</th>
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<td>BIM Protocol/Execution Plan</td>
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## PONT STEIGER

- [ ] BIM Protocols
- [ ] Execution Plans
- [ ] OpenBIM Standards
Supporting Documents – Cohesion BIM protocol
Supporting Documents – Mouse pad for BIM engineers
Help with Export to IFC
Concurrent Engineering
Concurrent engineering
A typical Thursday
Working together makes building a lot more fun
Way of work – “Hamburger” model
Model coordination in 4 steps: step 1

1. overall quality of one aspect model
1. Overall quality of one aspect model
Model coordination in 4 steps: step 2

2. clash between only the demand models
2. Clash between only the demand models
Model coordination in 4 steps: step 3

3. comparison and clashes between demand and supply model
3. Comparison and clashes between demand and supply model
Model coordination in 4 steps: step 4

4. clash between only the supply models
4. Clash between only supply models

Coördination off bolts and brackets between steel supplier and prefab facade elements and prefab floor slabs
4. Clash between only supply models

- Bridge part
- Supplier 1
- Temporarily steel
- Supplier 2
- Tower part
Organization

Different roles in the team

BIM Directors
Maaik de Nijs (M.J. De Nijs)
Mark van der Wal (Dura Vermeer)
Issue Management
6036 issues
Obvious clashes
Less obvious clashes
Issuemanagement platform: BIMCollab
Prefabrcation & Assembly
Building the bridge
Big and numerous
A welcoming atmosphere
Small and unique
Construction site
Crane movement and check on weights
Cranes in model for services

Support beams and footings in building services and construction
Props and anchors coordinated in model

No anchor to be drilled on site
Hanging platform
Hanging platform
BIM at it’s best!
BIM at it’s best!