An Invitation For Crowd Machines

# WELCOME TO THE GENERATOR



Wessel Herrewijnen / 4499514 / ADC graduation studio




*https://www.timeout.com/london/art/the-40-best-photos-of-london-ever-taken*

***Temporary intensities:***
*it is in these moments when the representation of certain* ***components of the city's heterogeneity*** *is expressed more predominantly than others.*

*Then, for a certain amount of time, (parts of) the city encounter an increased amount of activity.*










*https://rb.gy/tanxvh, https://rb.gy/ekjm2y, https://rb.gy/u3owvh, https://rb.gy/ntipjv*

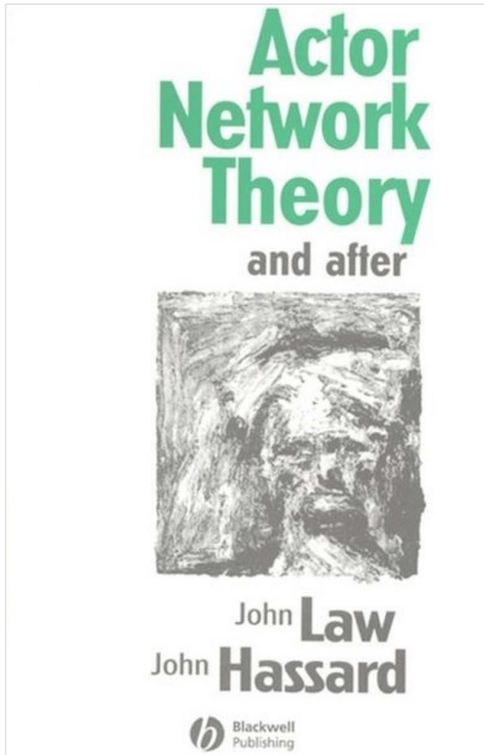
Crowd machines *are the architectural component whose human residue* – the crowd – *is a visible spatial representation of an instance of a* temporary intensity.

*so...*

***Crowd machines** are actors that can cause **temporary intensities** in the city.*



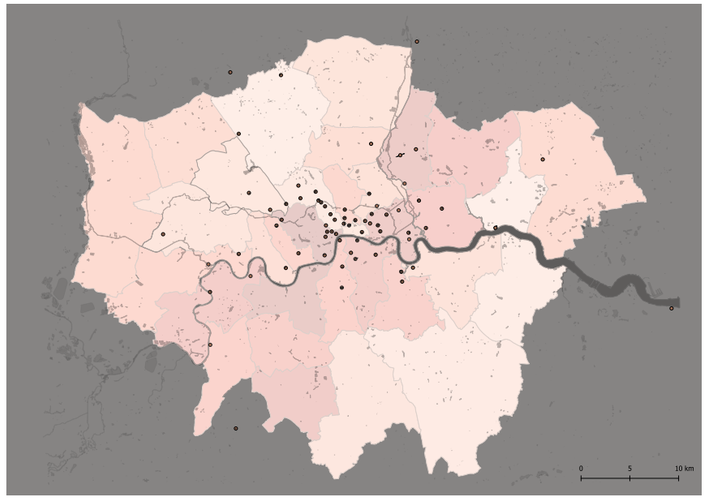
*https://www.timeout.com/london/art/the-40-best-photos-of-london-ever-taken*

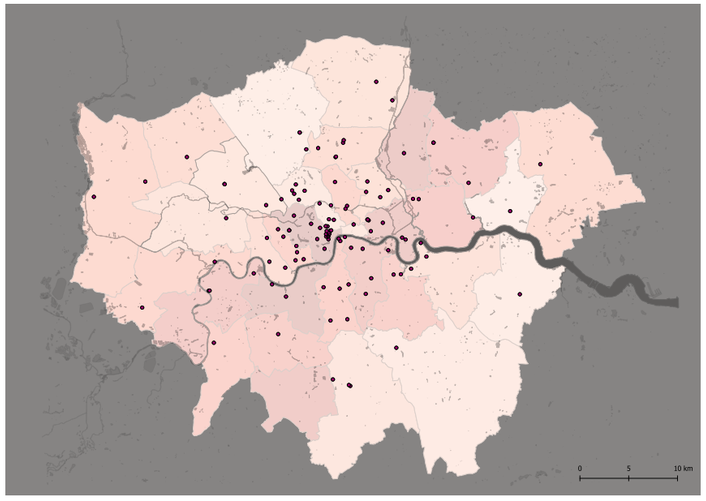


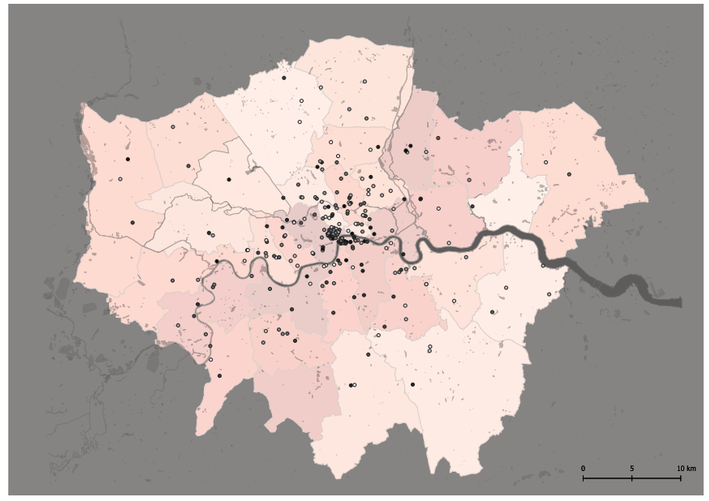

*J. Law & J. Hassard*

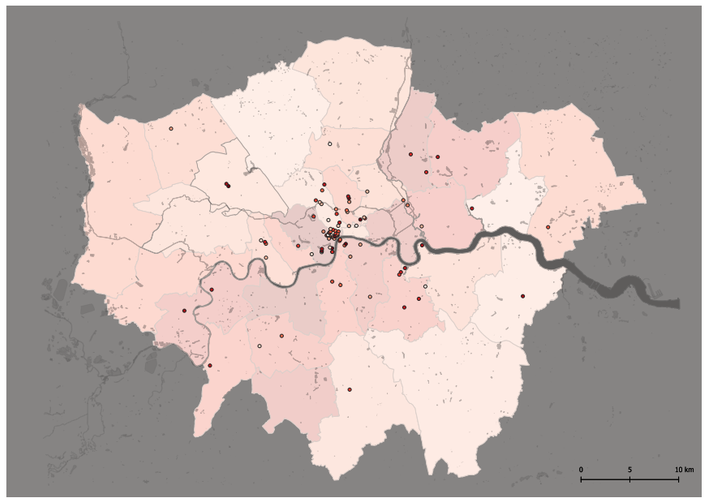


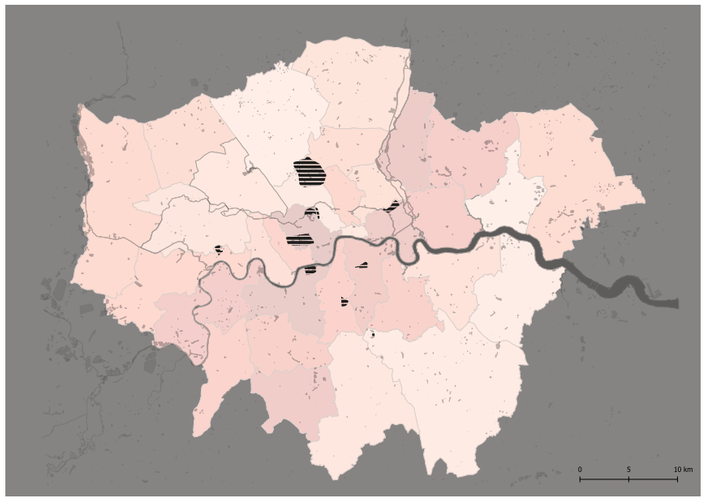
*https://www.writerswrite.co.za/literary-birthday-25-july-elias-canetti/*

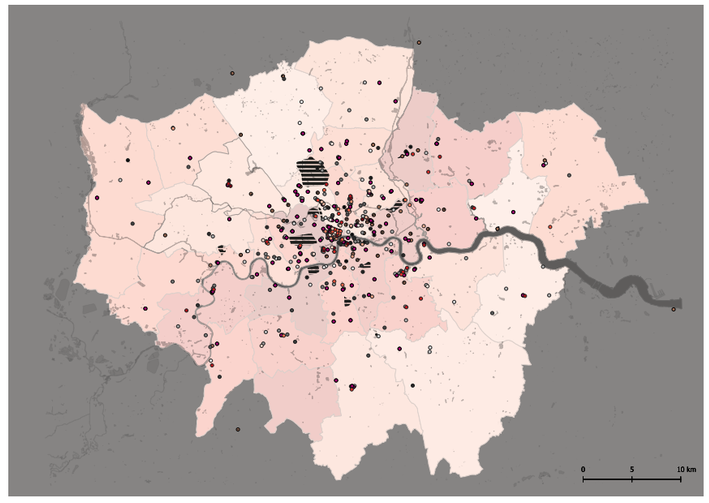


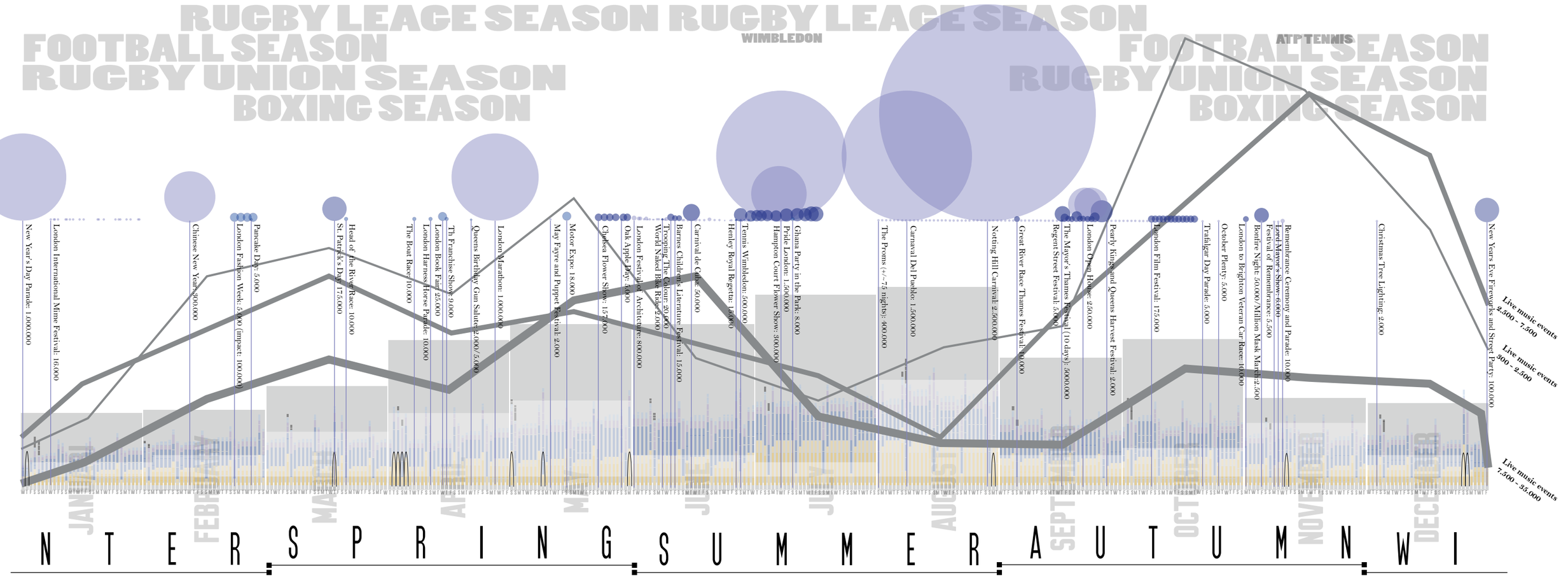




*Marketplaces, cinemas, theatres, music venues, event fields, 4.am clusterings*


RUGBY LEAGE SEASON
FOOTBALL SEASON
RUGBY UNION SEASON
BOXING SEASON
WIMBLEDON
RUGBY LEAGE SEASON
ATP TENNIS
FOOTBALL SEASON
RUGBY UNION SEASON
BOXING SEASON
New Year's Day Parade: 1,000,000
London International Mime Festival: 16,000
Chinese New Year: 300,000
Pancake Day: 5,000
London Fashion Week: 5,000 (impact: 100,000)
Head of the River Race: 10,000
St. Patrick's Day: 175,000
Th Franchise Show: 9,000
London Book Fair: 25,000
London Harness Horse Parade: 10,000
The Boat Race: 10,000
London Marathon: 1,000,000
Queens Birthday Gun Salute: 3,000/5,000
May Fayre and Puppet Festival: 2,000
Motor Expo: 18,000
Chelsea Flower Show: 157,000
Carnival de Cuba: 50,000
Barnes Children's Literature Festival: 15,000
Trooping The Colour: 39,000
World Naked Bike Ride: 2,000
London Festival of Architecture: 800,000
Oak Apple Day: 5,000
Ghana Party in the Park: 8,000
Pride London: 1,500,000
Hampton Court Flower Show: 360,000
Tennis Wimbledon: 500,000
Henley Royal Regetta: 150,000
The Proms (+/- 75 nights): 400,000
Carnaval Del Pueblo: 1,500,000
Notting Hill Carnival: 2,500,000
Great River Race Thames Festival: 10,000
The Mayor's Thames Festival (10 days): 5000,000
Regent Street Festival: 5,000
London Open House: 250,000
Pearly Kings and Queens Harvest Festival: 2,000
London Film Festival: 175,000
October Plenty: 5,000
Trafalgar Day Parade: 5,000
London to Brighton Veteran Car Race: 10,000
Remembrance Ceremony and Parade: 10,000
Lord Mayor's Show: 6,000
Festival of Remembrance: 5,500
Bonfire Night: 50,000/Million Mask March: 2,500
Christmas Tree Lighting: 2,000
New Years Eve Fireworks and Street Party: 100,000
Live music events 2,500 - 7,500
Live music events 300 - 2,500
Live music events 7,500 - 35,000
JAN
FEB
MAR
APR
MAY
JUN
JUL
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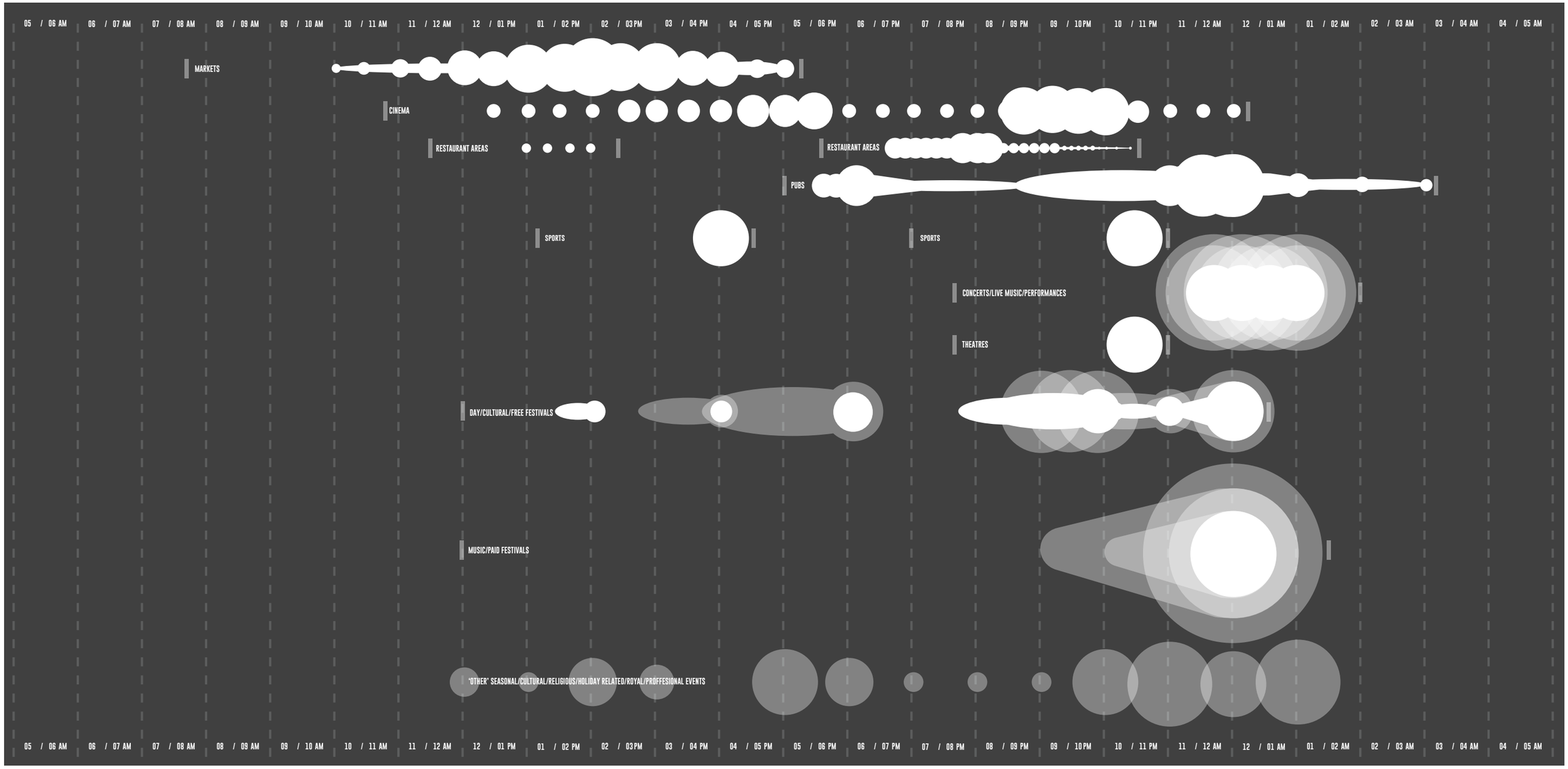
SEPT
OCT
NOV
DEC
WINTER
SPRING
SUMMER
AUTUMN
WI


05 / 06 AM
06 / 07 AM
07 / 08 AM
08 / 09 AM
09 / 10 AM
10 / 11 AM
11 / 12 AM
12 / 01 PM
01 / 02 PM
02 / 03PM
03 / 04 PM
04 / 05 PM
05 / 06 PM
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08 / 09 PM
09 / 10PM
10 / 11 PM
11 / 12 AM
12 / 01 AM
01 / 02 AM
02 / 03 AM
03 / 04 AM
04 / 05 AM
MARKETS
CINEMA
RESTAURANT AREAS
RESTAURANT AREAS
PUBS
SPORTS
SPORTS
CONCERTS/LIVE MUSIC/PERFORMANCES
THEATRES
DAY/CULTURAL/FREE FESTIVALS
MUSIC/PAID FESTIVALS
'OTHER' SEASONAL/CULTURAL/RELIGIOUS/HOLIDAY RELATED/ROYAL/PROFFESIONAL EVENTS

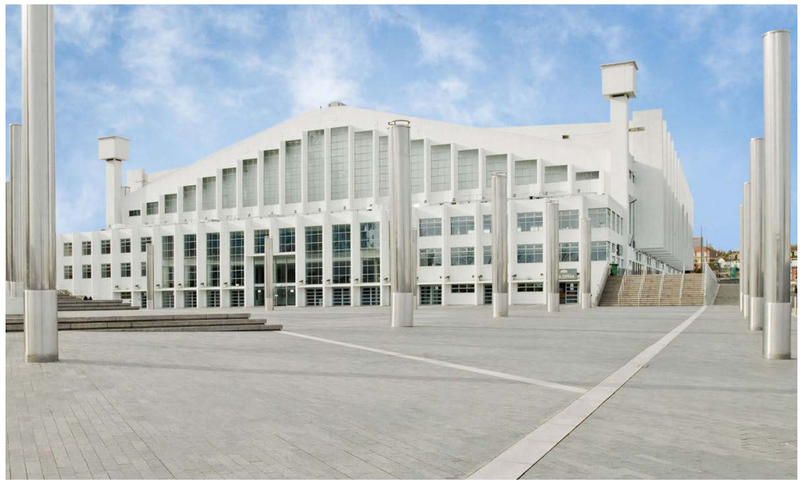
*GIF*

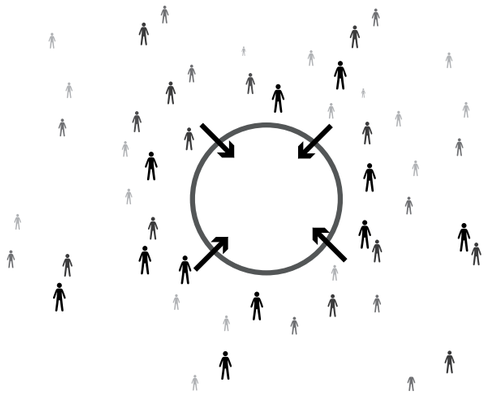
*"The crowd is marked by repetition,*

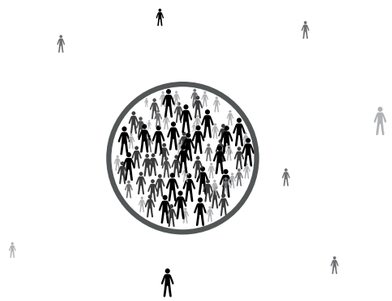
> *The building waits to be filled, the space is theirs, even during the ebb, and in its emptiness it reminds them of the flood."*

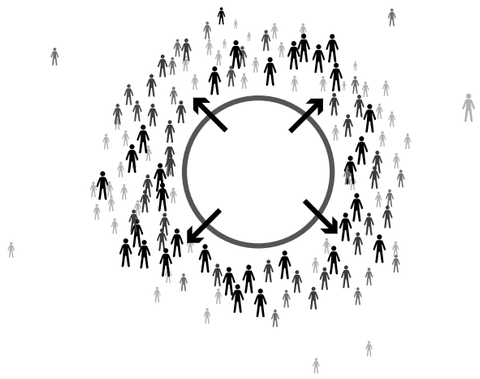
***Crowds & Power / E. Canetti***

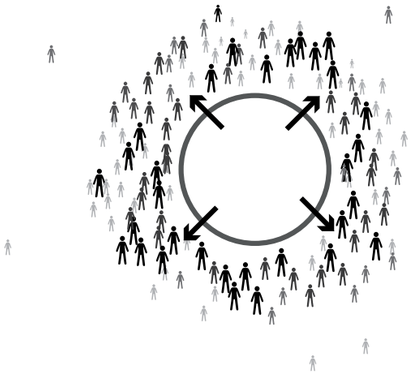


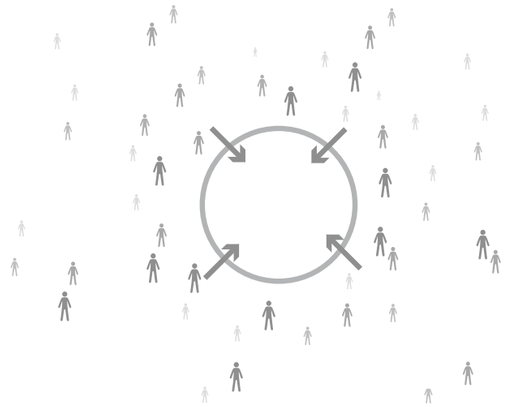






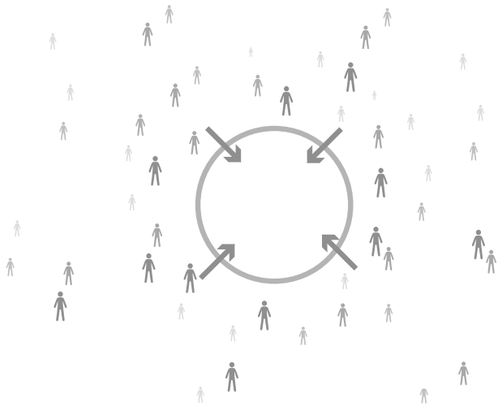






*“sponges”*



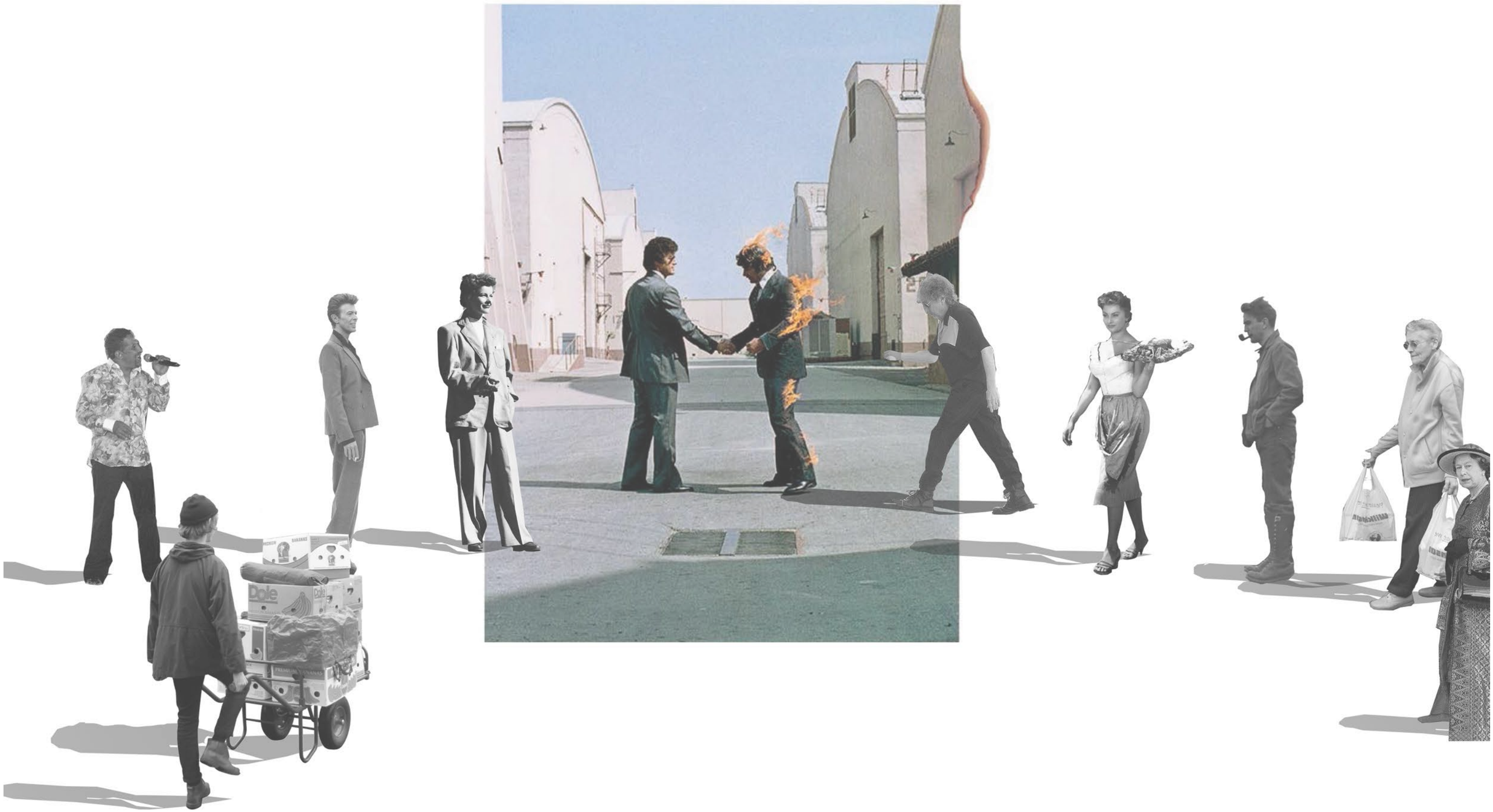


*“sinkholes”*





*https://hoppyx.com/allen-ginsberg-points-at-the-royal-albert-hall/*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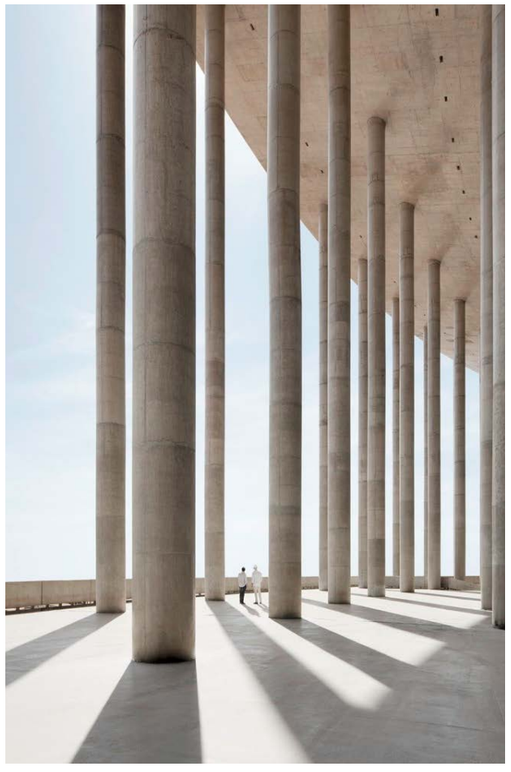
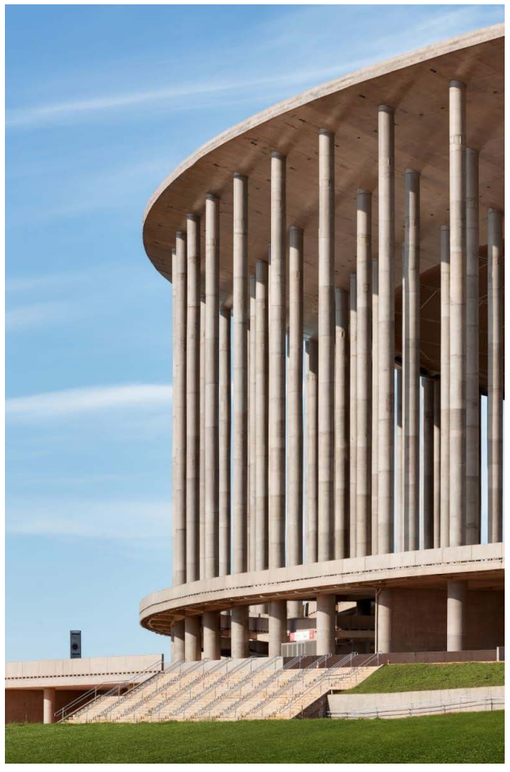
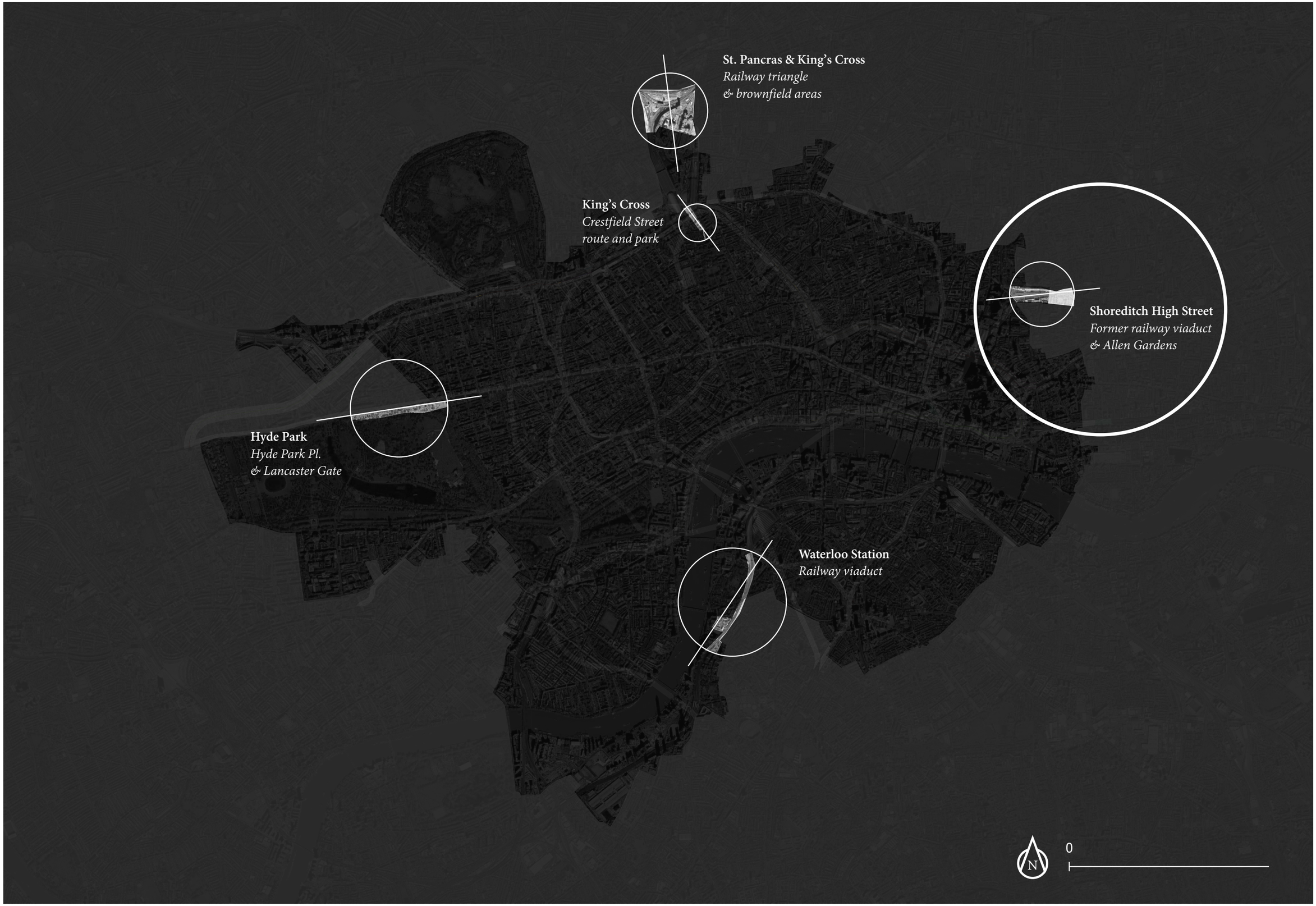


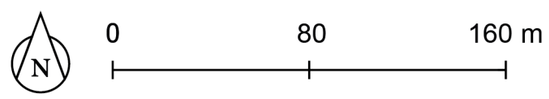




*https://www.writerswrite.co.za/literary-birthday-25-july-elias-canetti/ um-gmp-architekten?ad_medium=gallery*


St. Pancras & King's Cross
Railway triangle
& brownfield areas
King's Cross
Crestfield Street
route and park
Shoreditch High Street
Former railway viaduct
& Allen Gardens
Hyde Park
Hyde Park Pl.
& Lancaster Gate
Waterloo Station
Railway viaduct
N
0




N
0
80
160 m



*Google Maps screencapture*

*The previous lives of the Goods Yard as Crowd Machine*



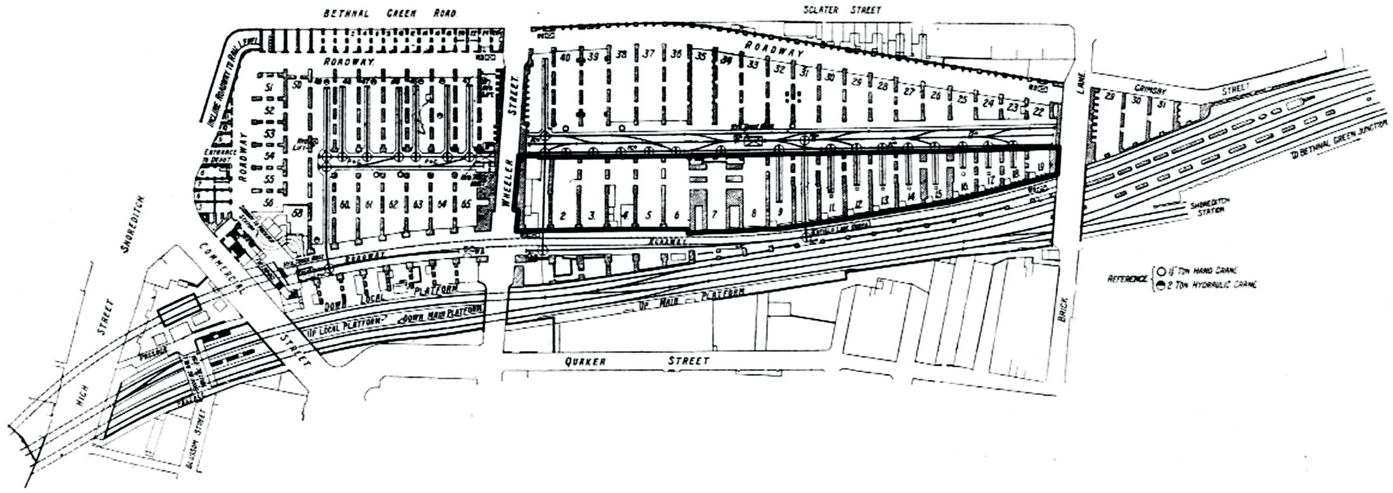


*Photos: http://londonfirejournal.blogspot.com/2008/02/bishopsgate-1964.html*

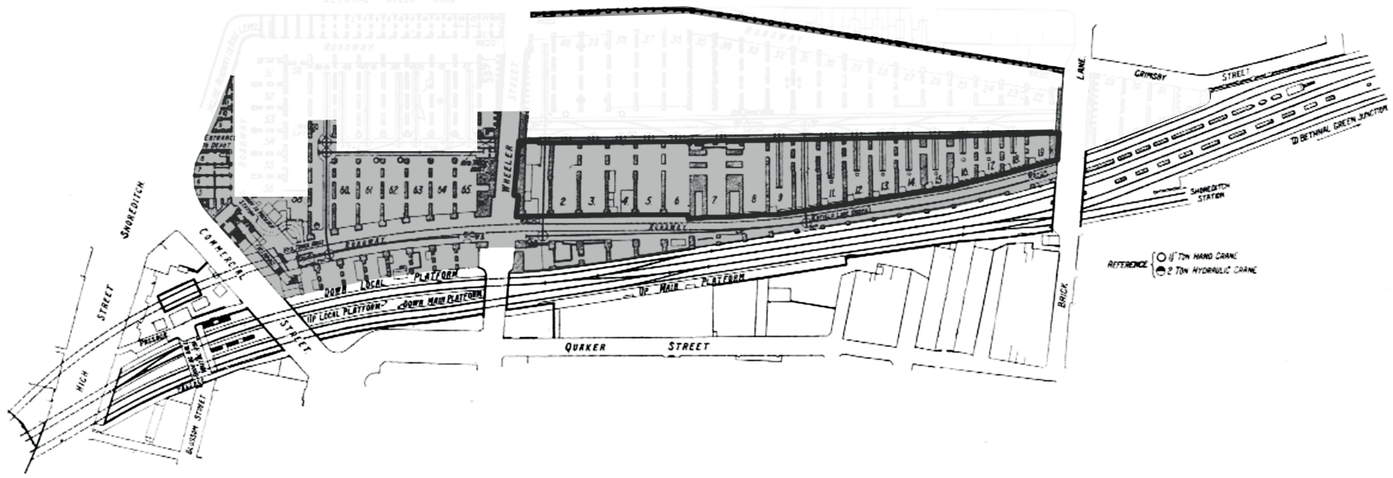




*Photos: https://cutt.ly/rjnVGQO, http://londonfirejournal.blogspot.com/2008/02/bishopsgate-1964.html*

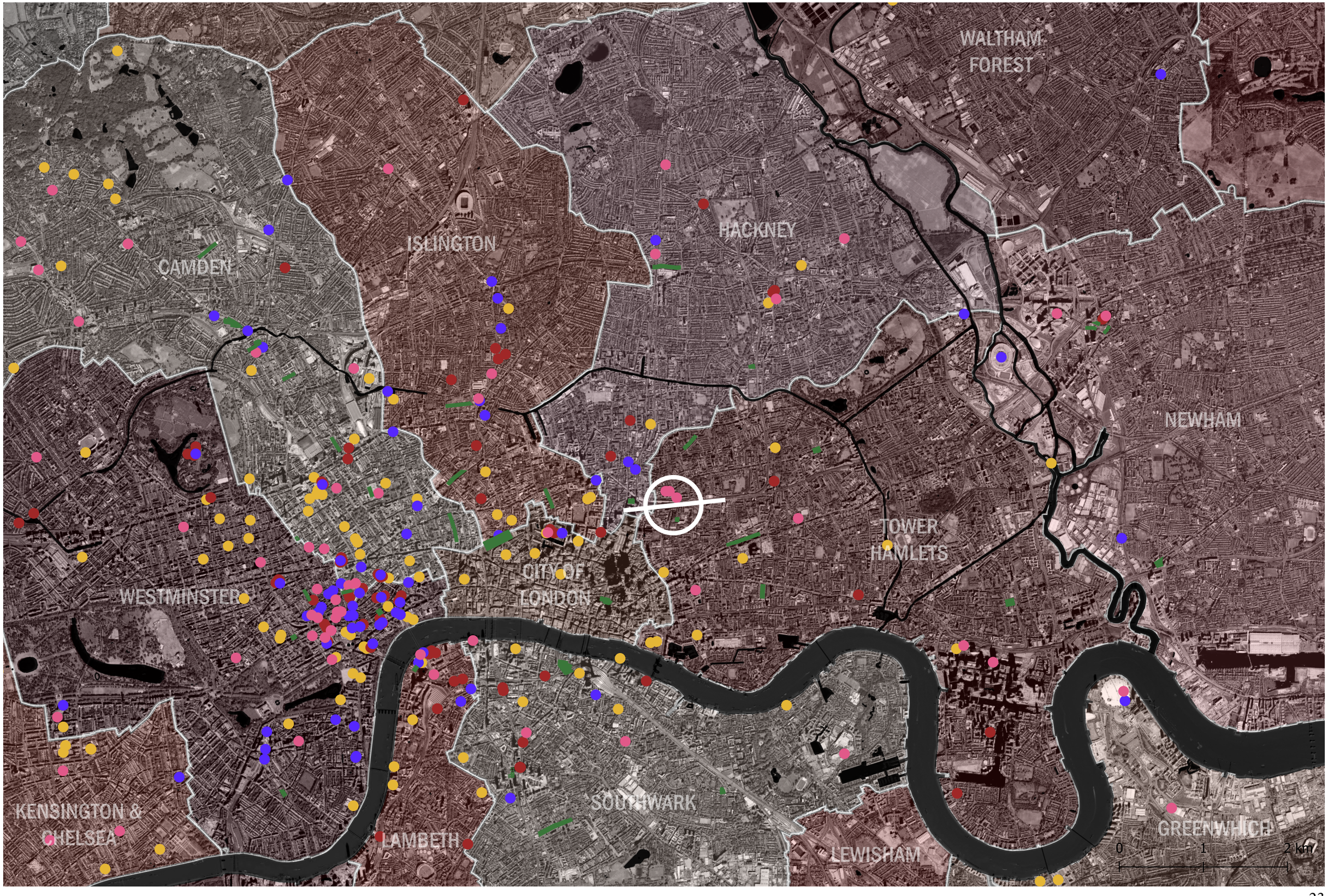


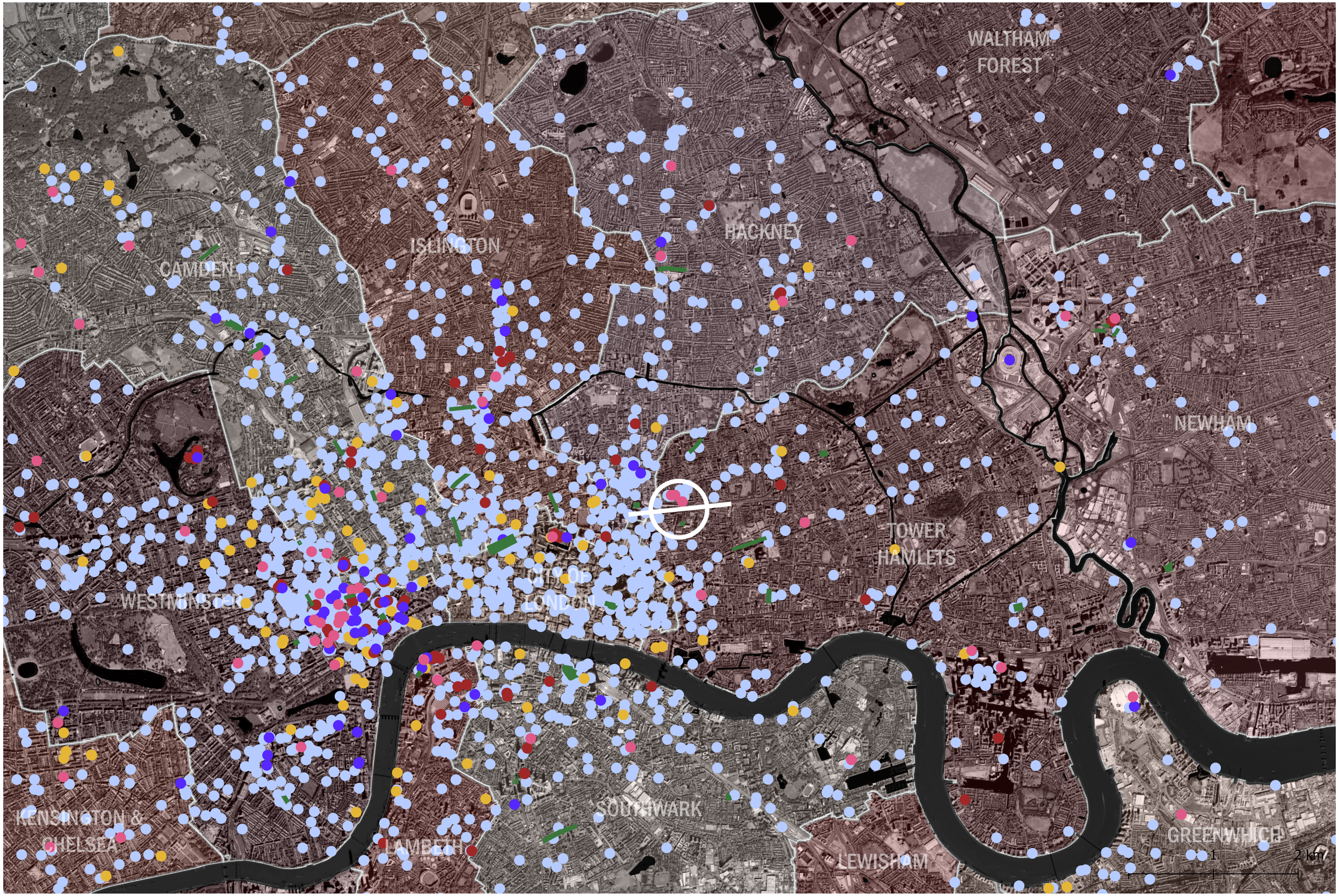

*floorplan 1875/1964*




*floorplan after '64 fire*

N 0 50 100 m


WALTHAM FOREST
ISLINGTON
CAMDEN
HACKNEY
NEWHAM
WESTMINSTER
CITY OF LONDON
TOWER HAMLETS
KENSINGTON & CHELSEA
LAMBETH
SOUTHWARK
LEWISHAM
GREENWICH
0
1
2 km


WALTHAM FOREST
ISLINGTON
HACKNEY
CAMDEN
NEWHAM
TOWER HAMLETS
CITY OF LONDON
WESTMINSTER
KENSINGTON & CHELSEA
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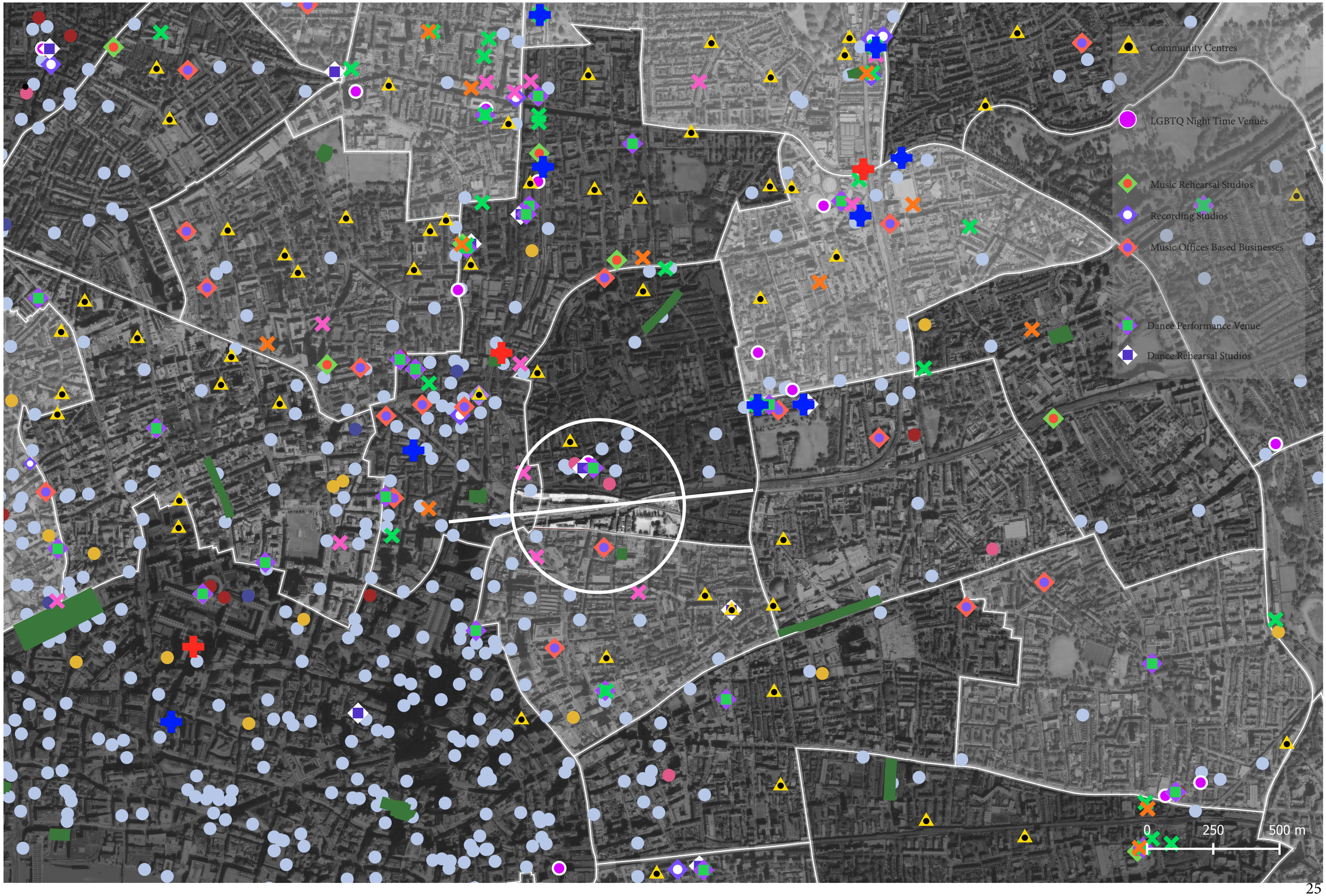
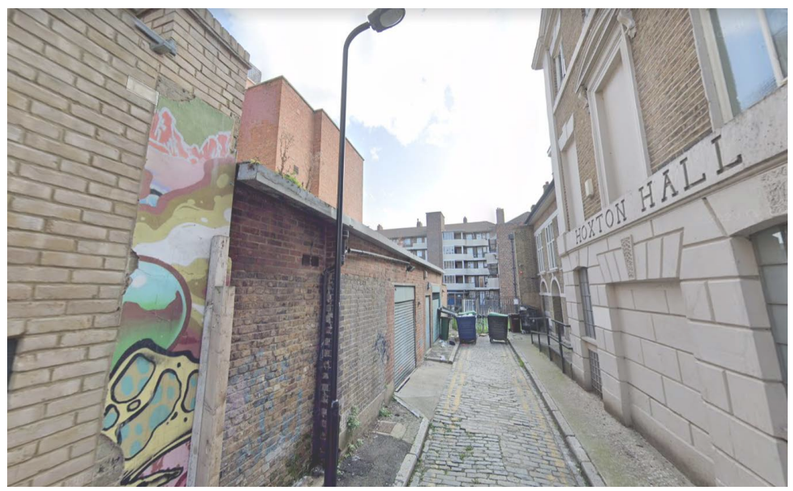
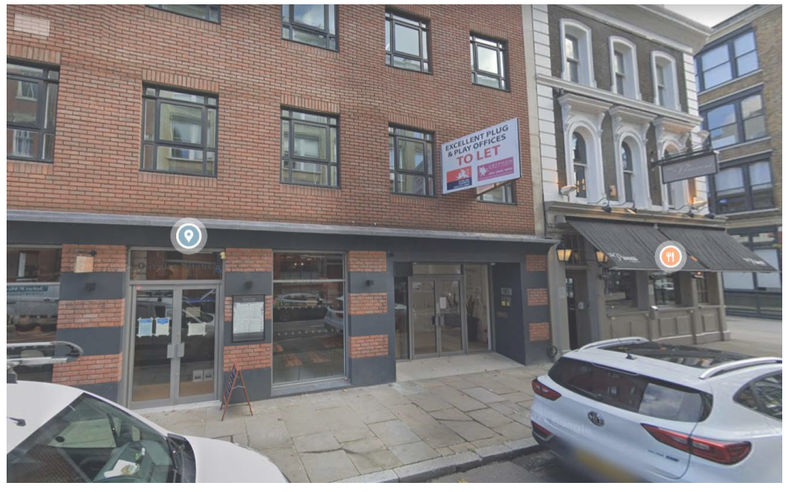
SOUTHWARK
LEWISHAM
GREENWICH
1
2 km


Community Centres
LGBTQ Night Time Venues
Music Rehearsal Studios
Recording Studios
Music Offices Based Businesses
Dance Performance Venue
Dance Rehearsal Studios
0
250
500 m



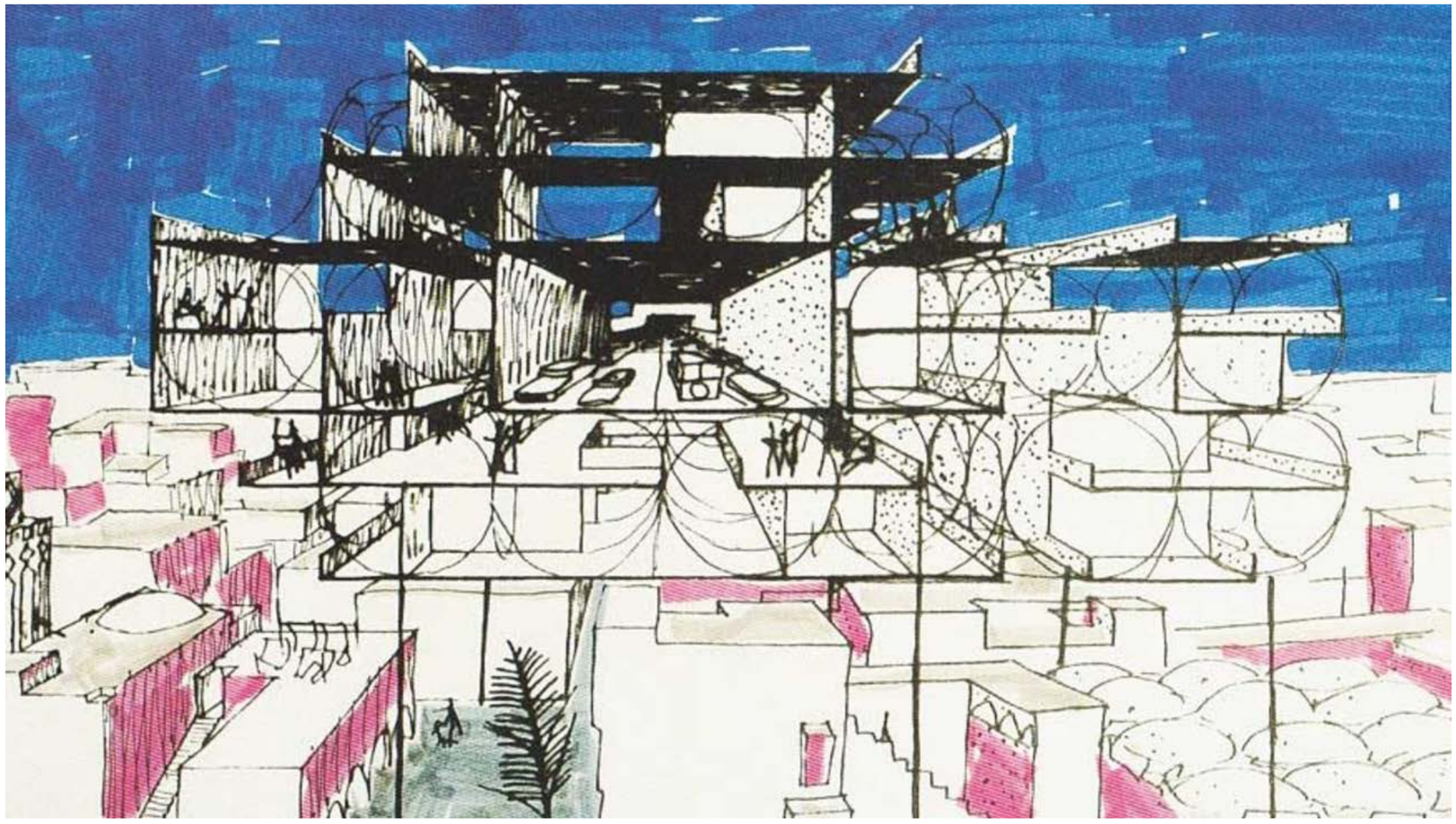


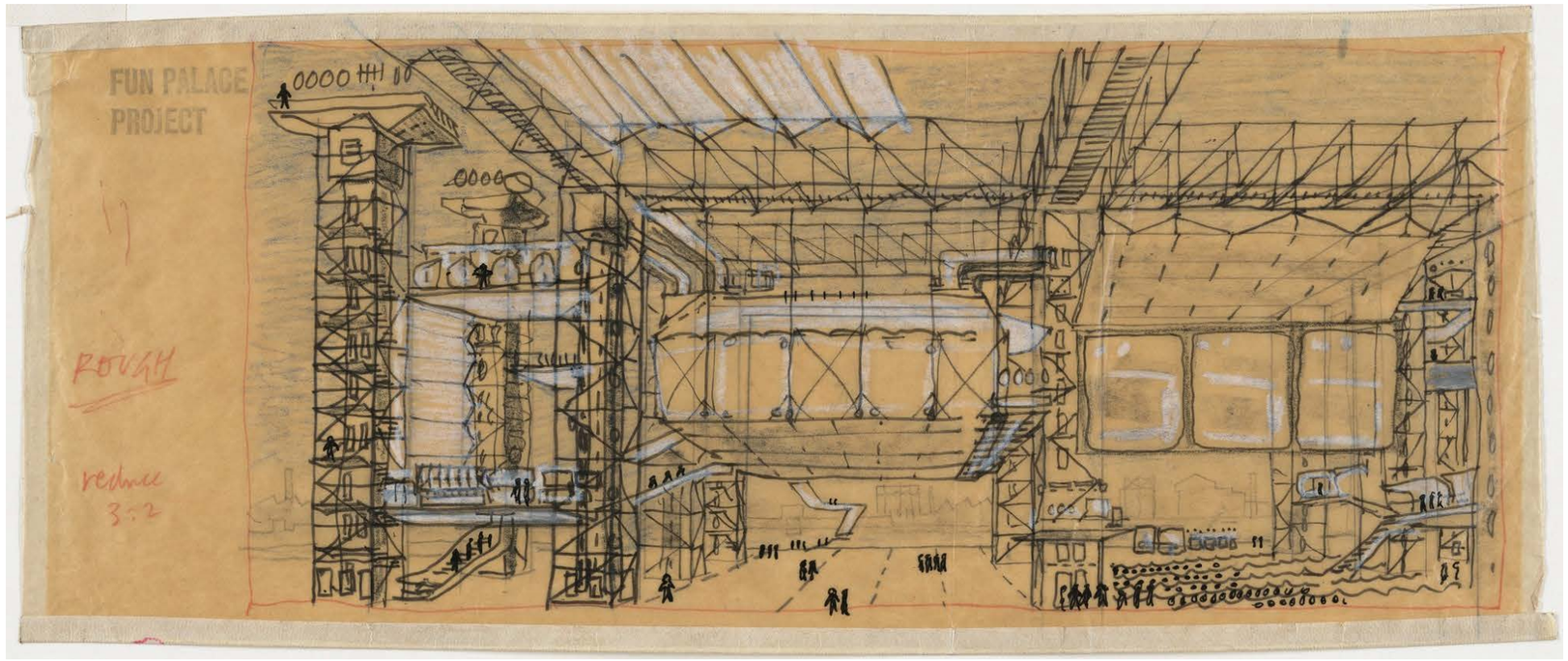

*Google maps screencaptures*



*Google Maps screencapture*



*https://www.pca-stream.com/en/articles/yona-friedman-architecture-for-the-living-122*




*https://www.moma.org/collection/works/842*


?
Hotel?
?
?
Stage
Wooden Boards/RAAP only?



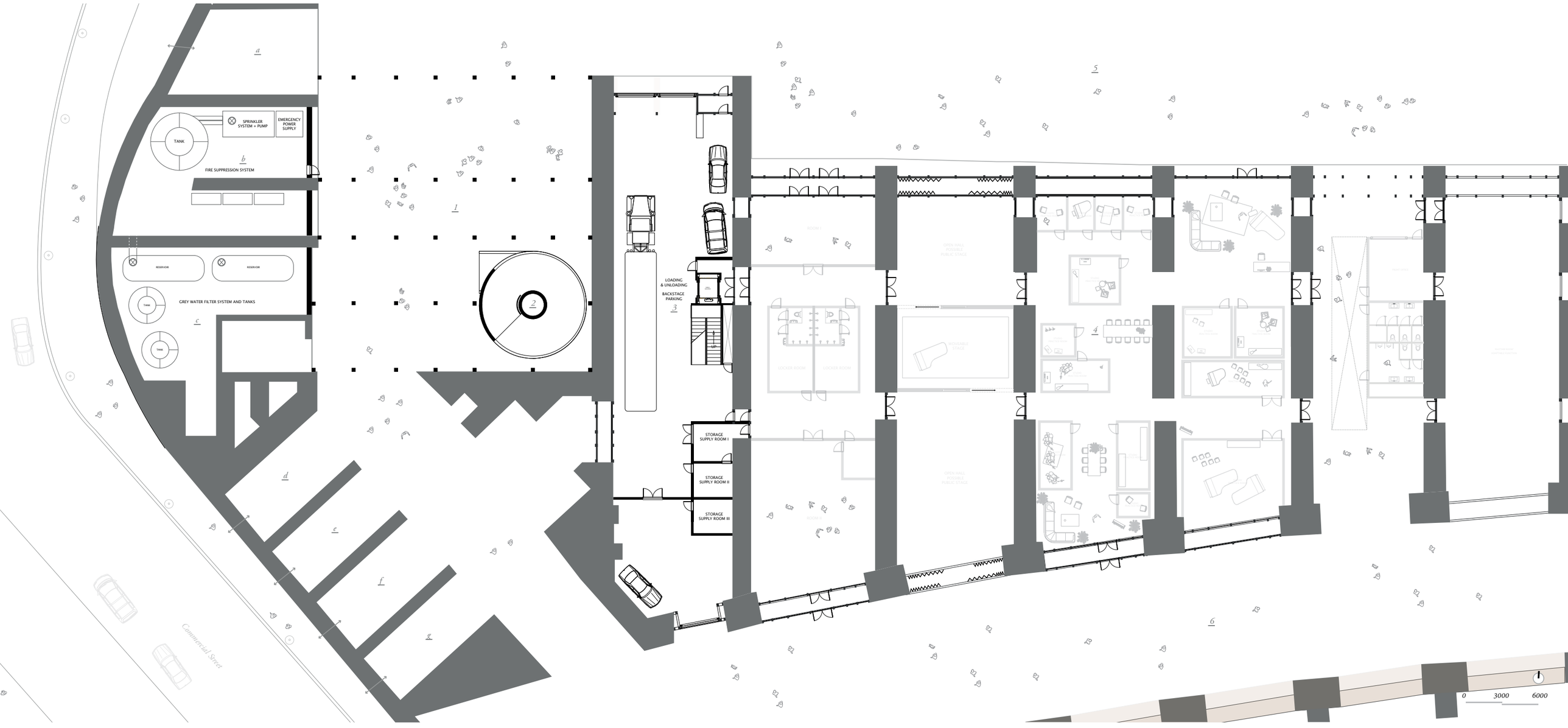


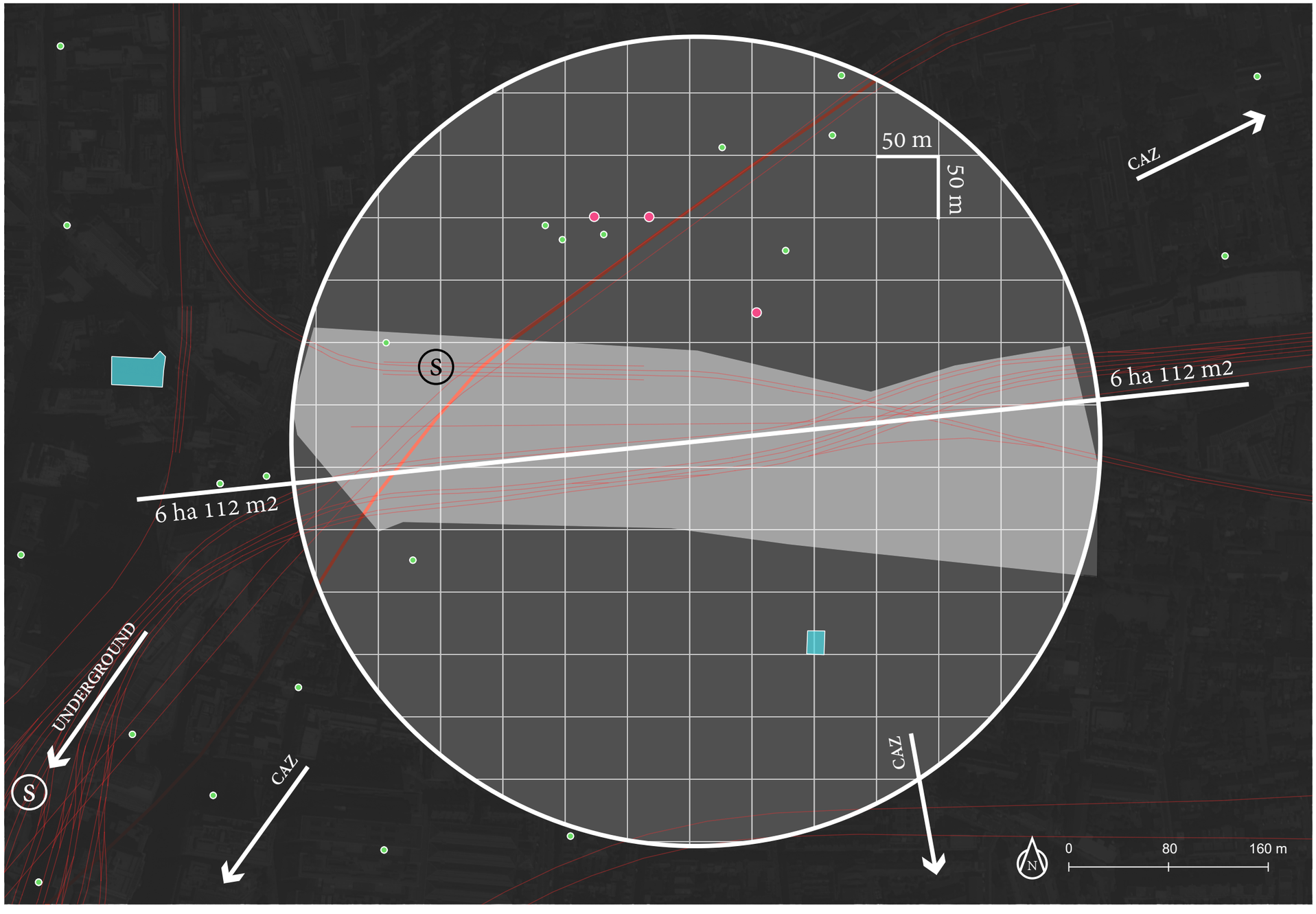









a
SPRINKLER SYSTEM + PUMP
EMERGENCY POWER SUPPLY
TANK
b
FIRE SUPPRESSION SYSTEM
RESERVOIR
RESERVOIR
TANK
GREY WATER FILTER SYSTEM AND TANKS
c
TANK
1
2
LOADING & UNLOADING
BACKSTAGE PARKING
3
STORAGE SUPPLY ROOM I
STORAGE SUPPLY ROOM II
STORAGE SUPPLY ROOM III
5
ROOM I
LOCKER ROOM
LOCKER ROOM
OPEN HALL POSSIBLE PUBLIC STAGE
MOVEABLE STAGE
4
ROOM II
OPEN HALL POSSIBLE PUBLIC STAGE
d
e
f
g
6
Commercial Street
0
3000
6000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6 ha 112 m2
6 ha 112 m2
UNDERGROUND
S
CAZ
CAZ
N
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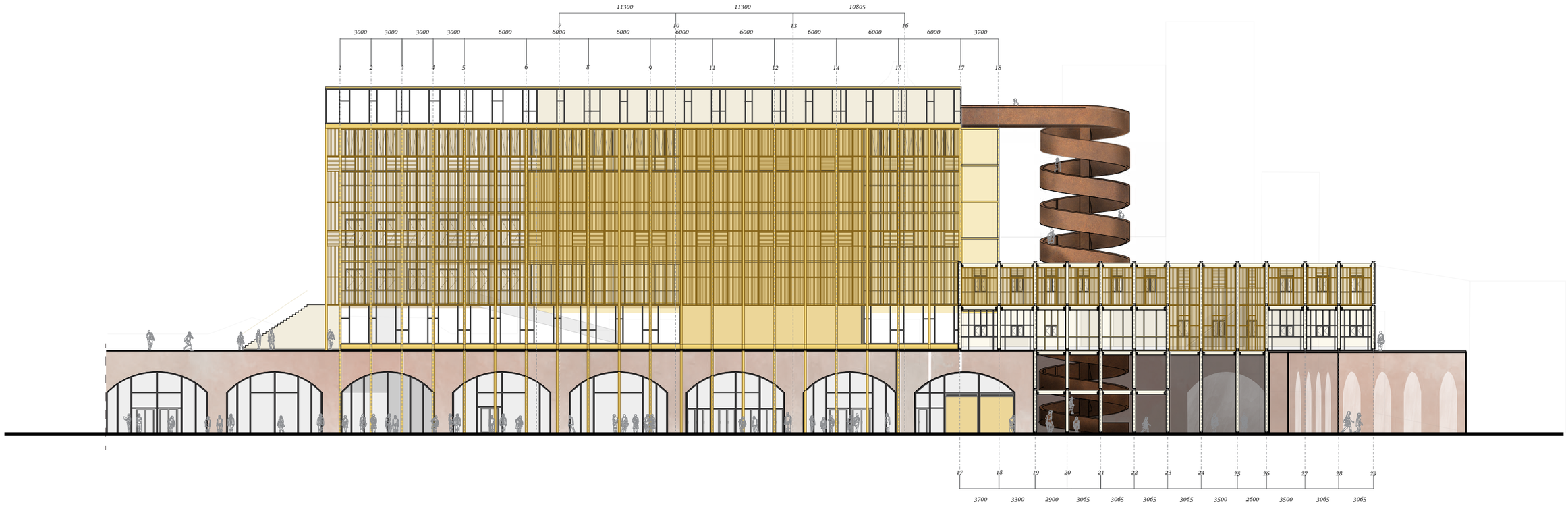
80
160 m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3000 3000 3000 3000 6000 6000 6000 6000 6000 6000 6000 6000 3700
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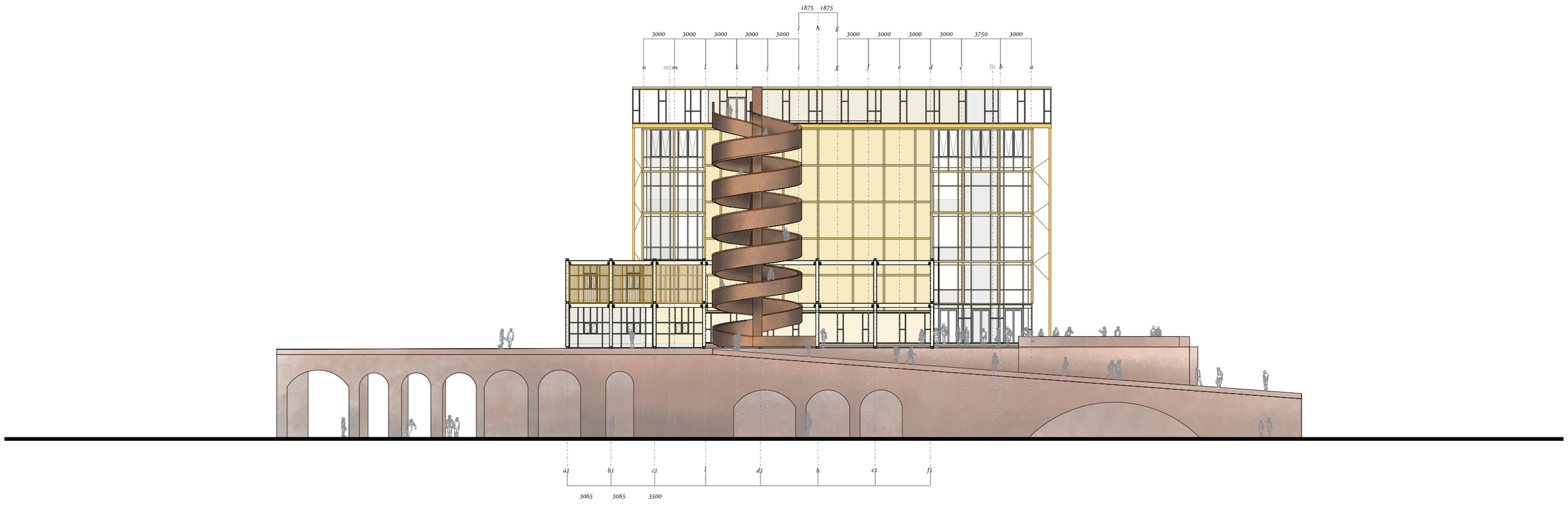
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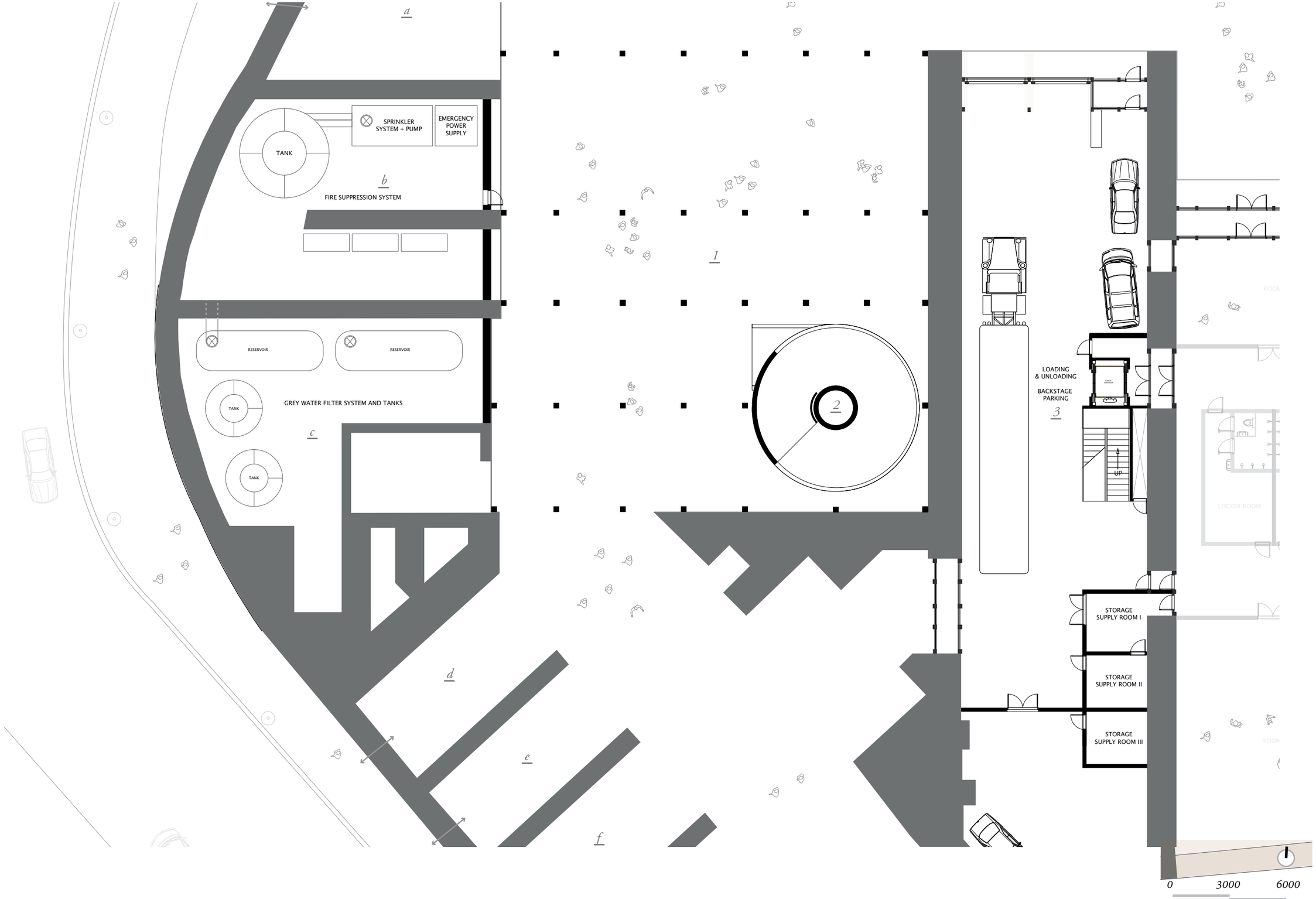
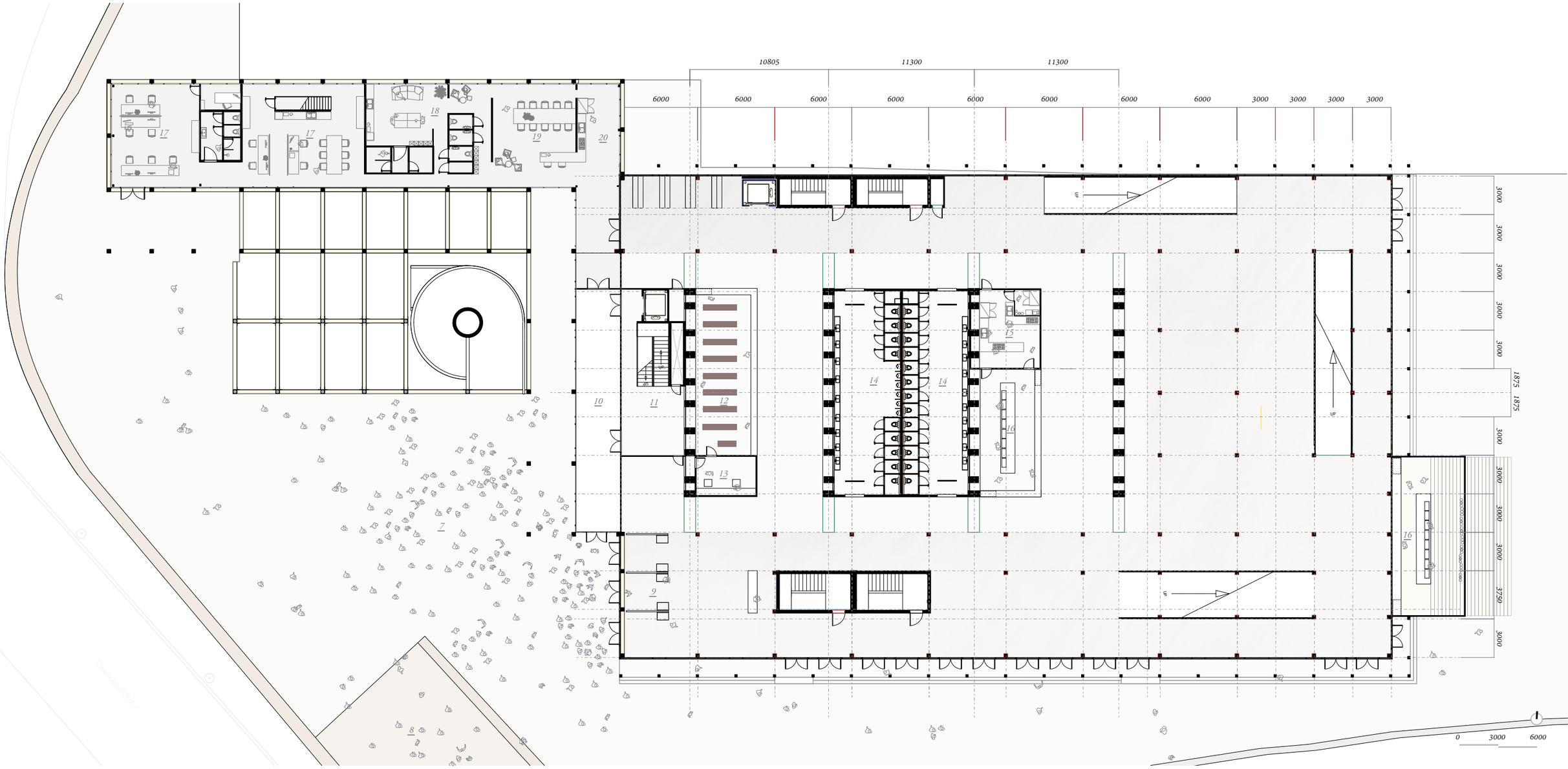

a
SPRINKLER SYSTEM + PUMP
EMERGENCY POWER SUPPLY
TANK
b
FIRE SUPPRESSION SYSTEM
RESERVOIR
RESERVOIR
TANK
GREY WATER FILTER SYSTEM AND TANKS
c
TANK
d
e
f
1
2
LOADING & UNLOADING
BACKSTAGE PARKING
3
UP
LOCKER ROOM
STORAGE SUPPLY ROOM I
STORAGE SUPPLY ROOM II
STORAGE SUPPLY ROOM III
0
3000
6000


PAOLO
CONTE
VIA CON ME
(IT'S WONDERFUL)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3750
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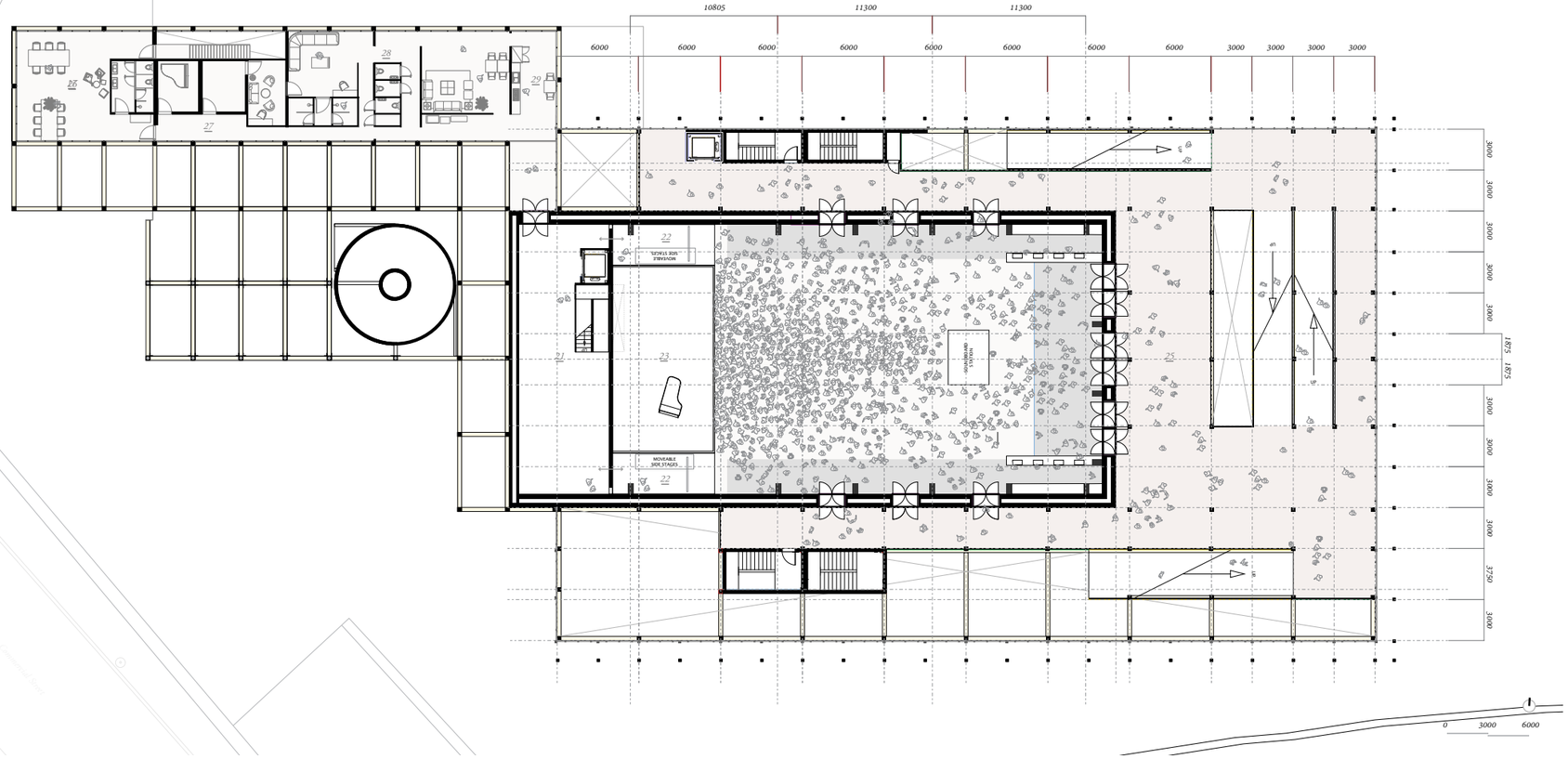
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11300
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3750
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3000
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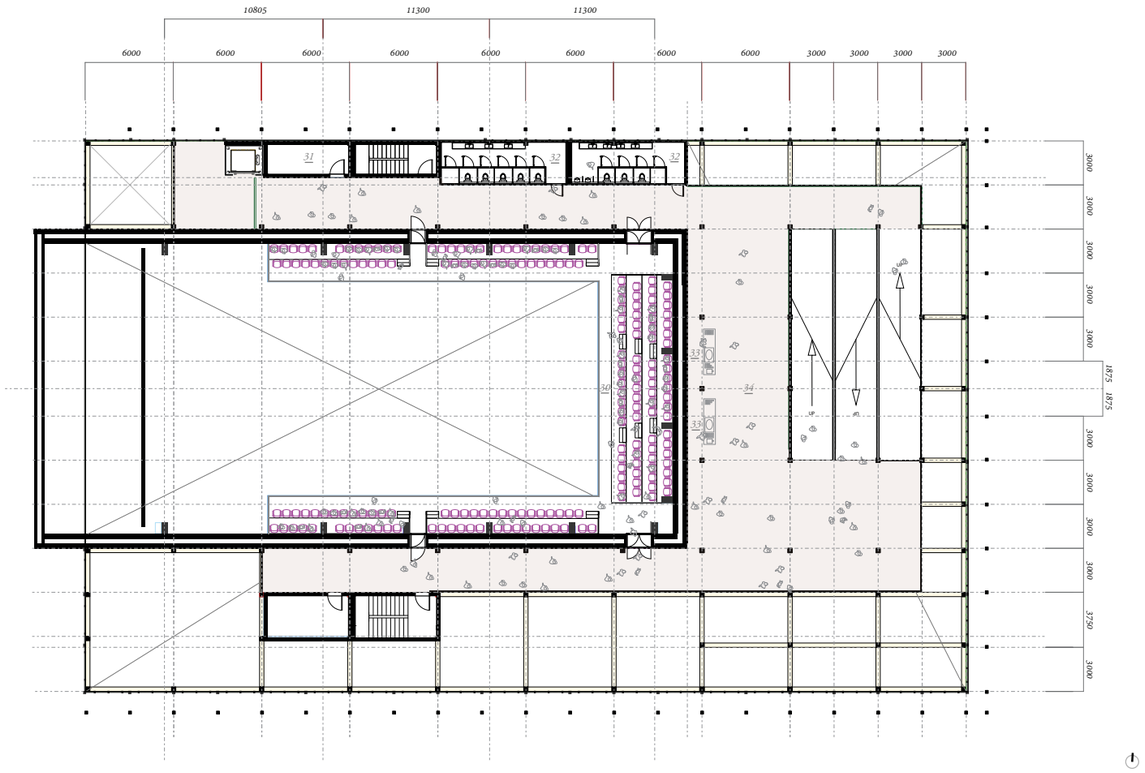
10805
11300
11300
6000
3000
1875
3750
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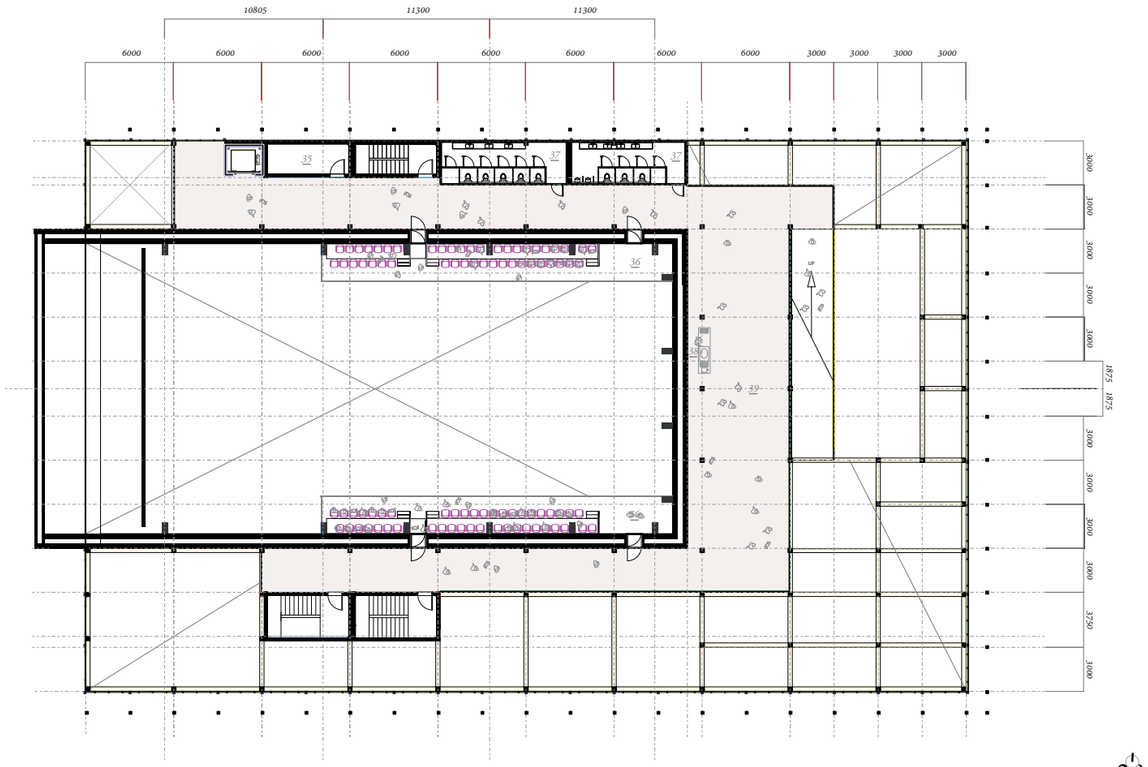
3000
6000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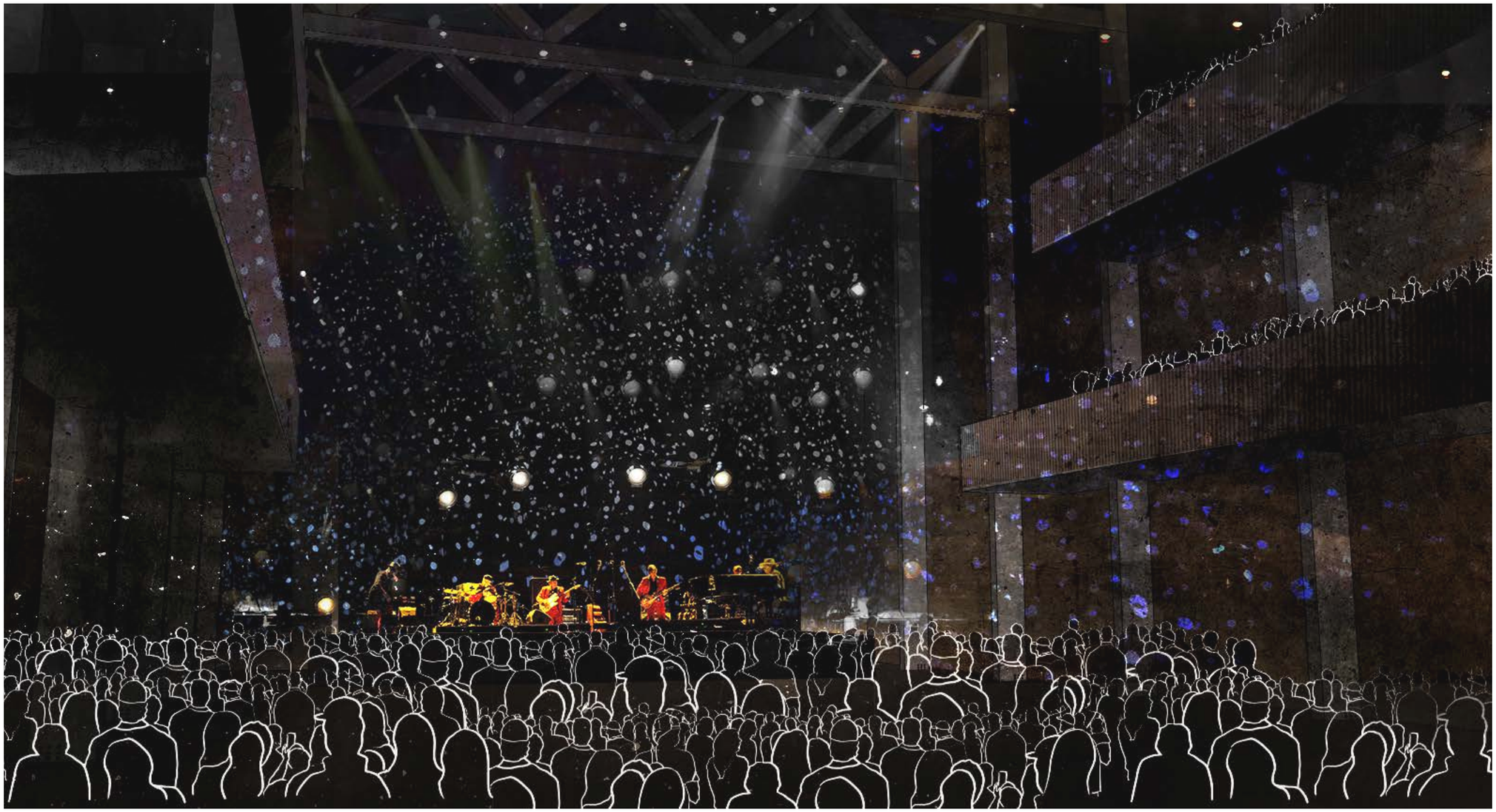
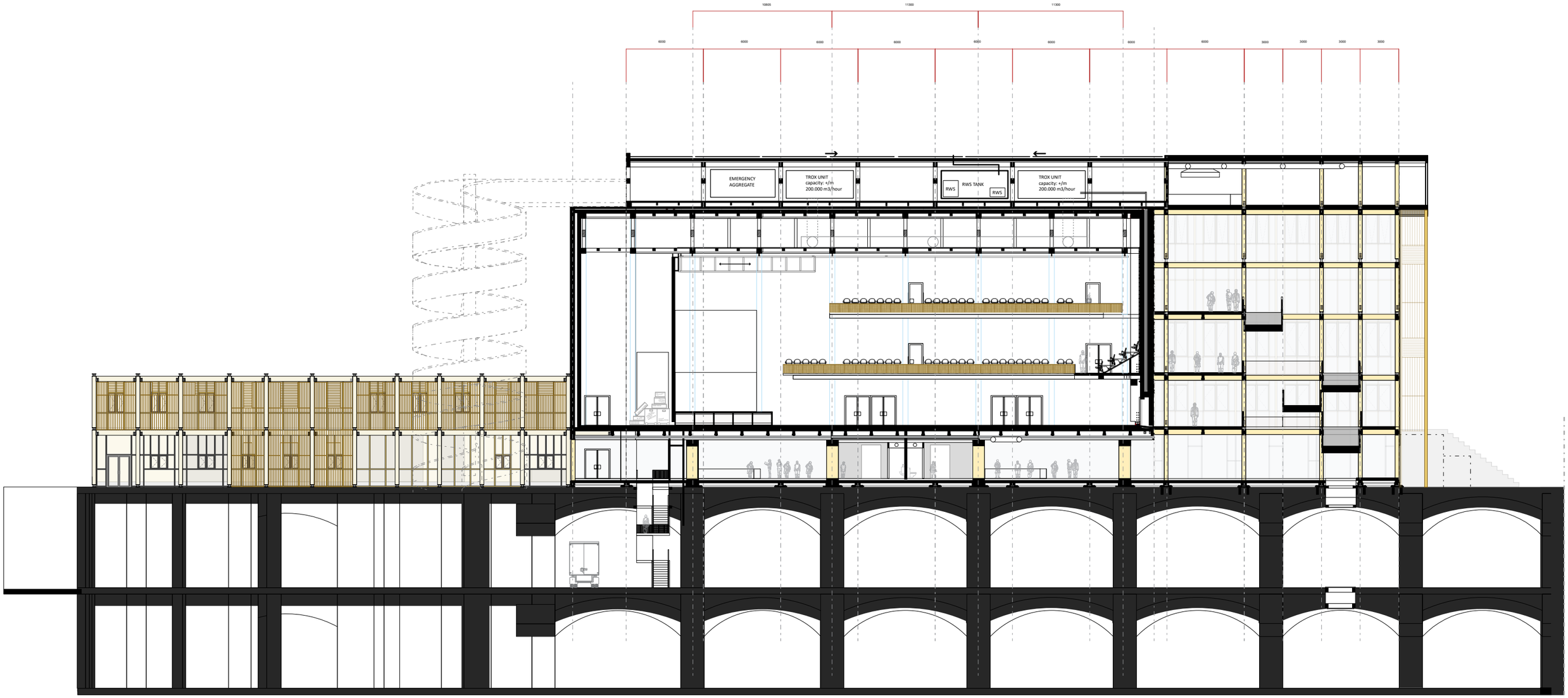
3000
6000

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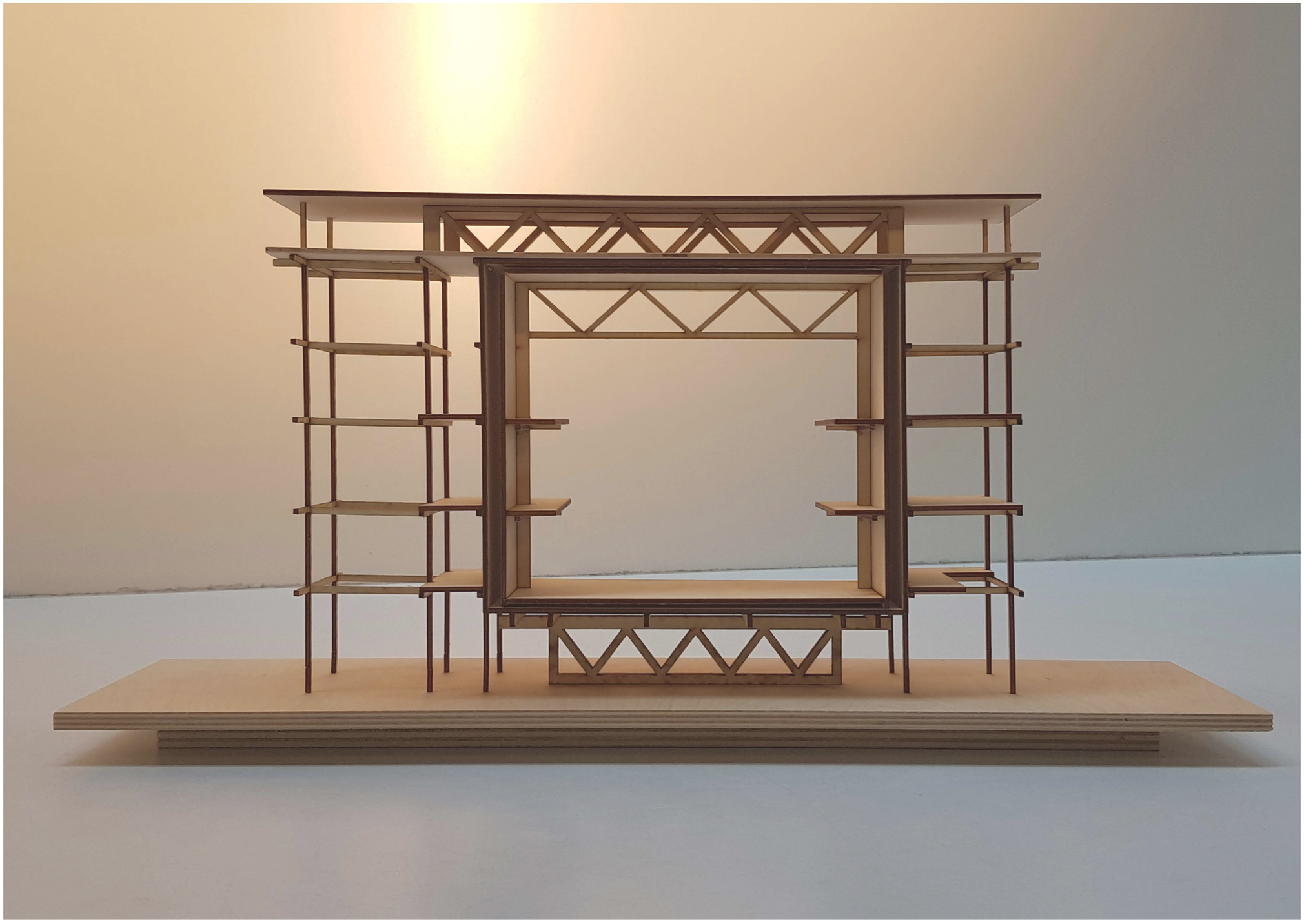
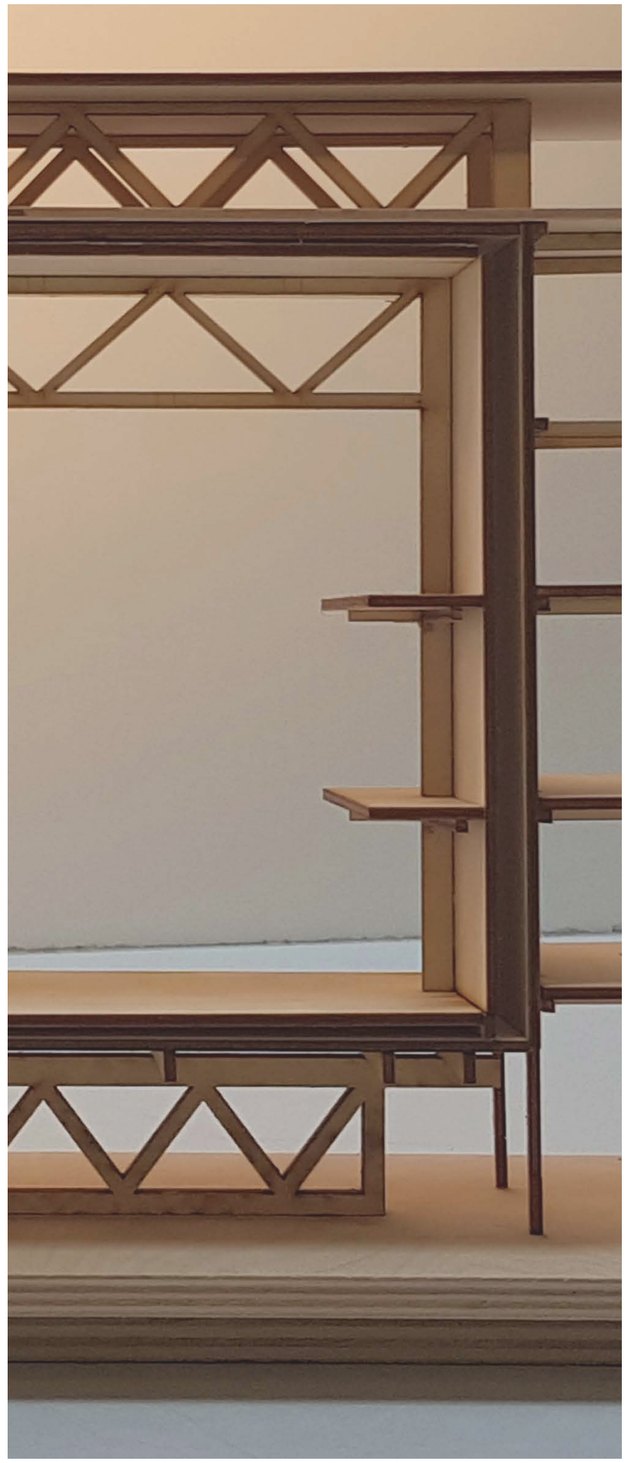
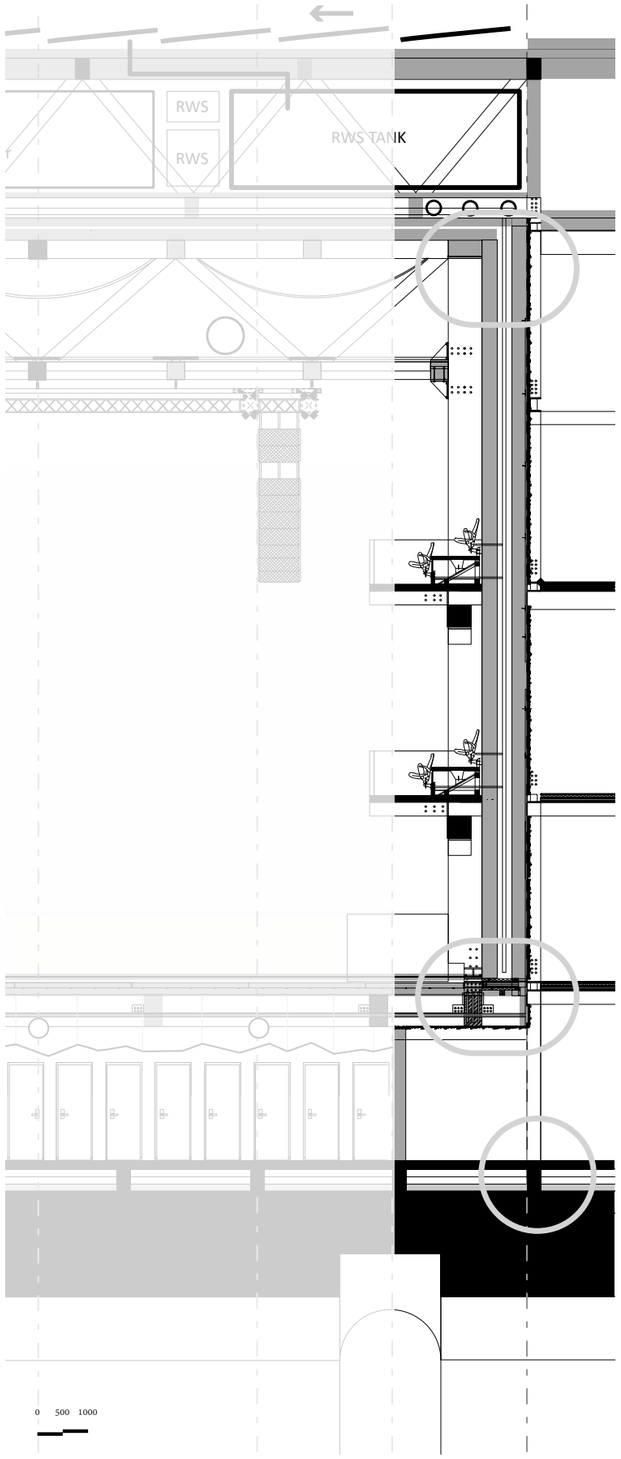
6000
3000
3000
3000
3000
EMERGENCY AGGREGATE
TROX UNIT capacity: +/m 200.000 m3/hour
RWS
RWS TANK
RWS
TROX UNIT capacity: +/m 200.000 m3/hour

0 3000 6000



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RWS
RWS TANK
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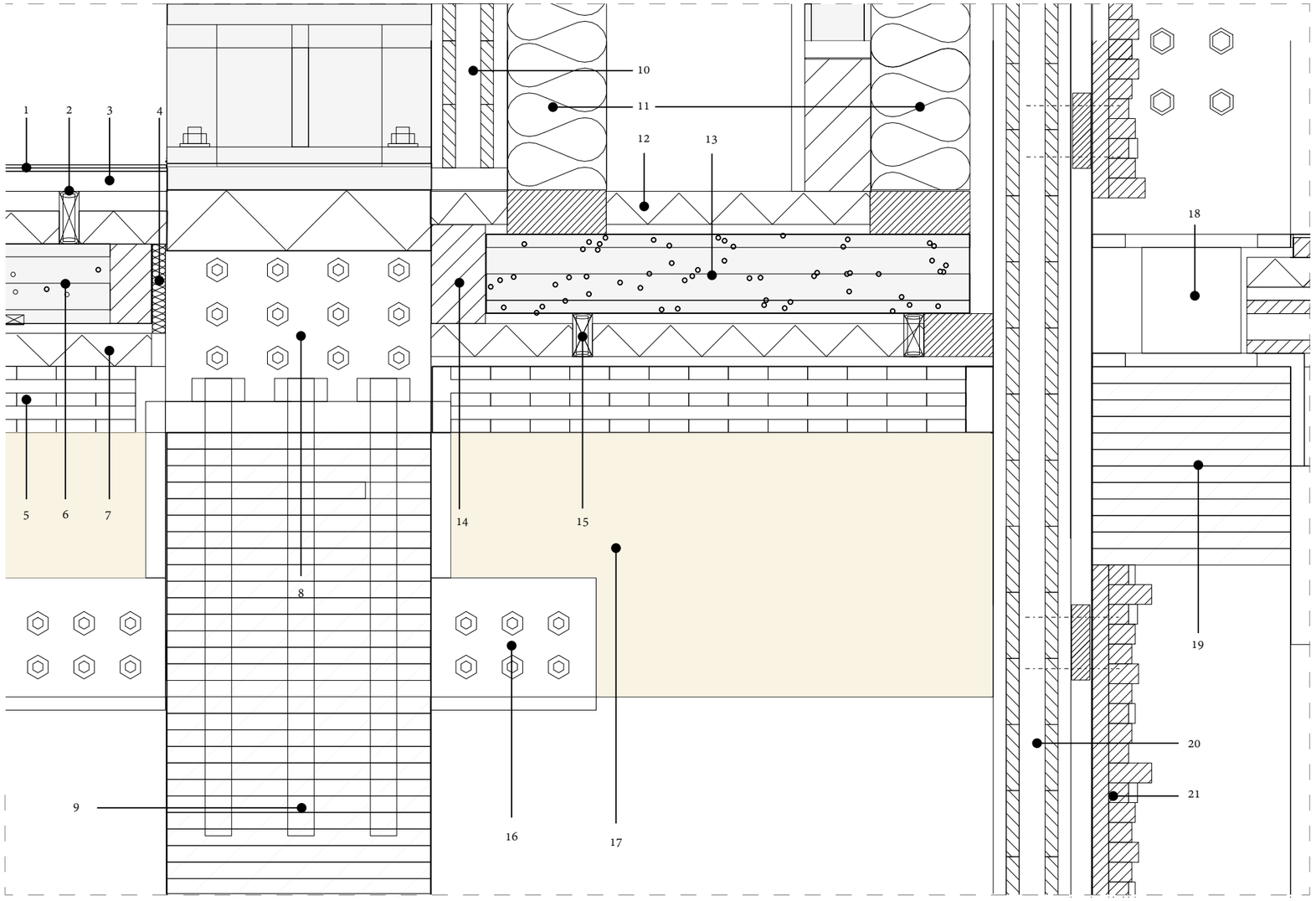


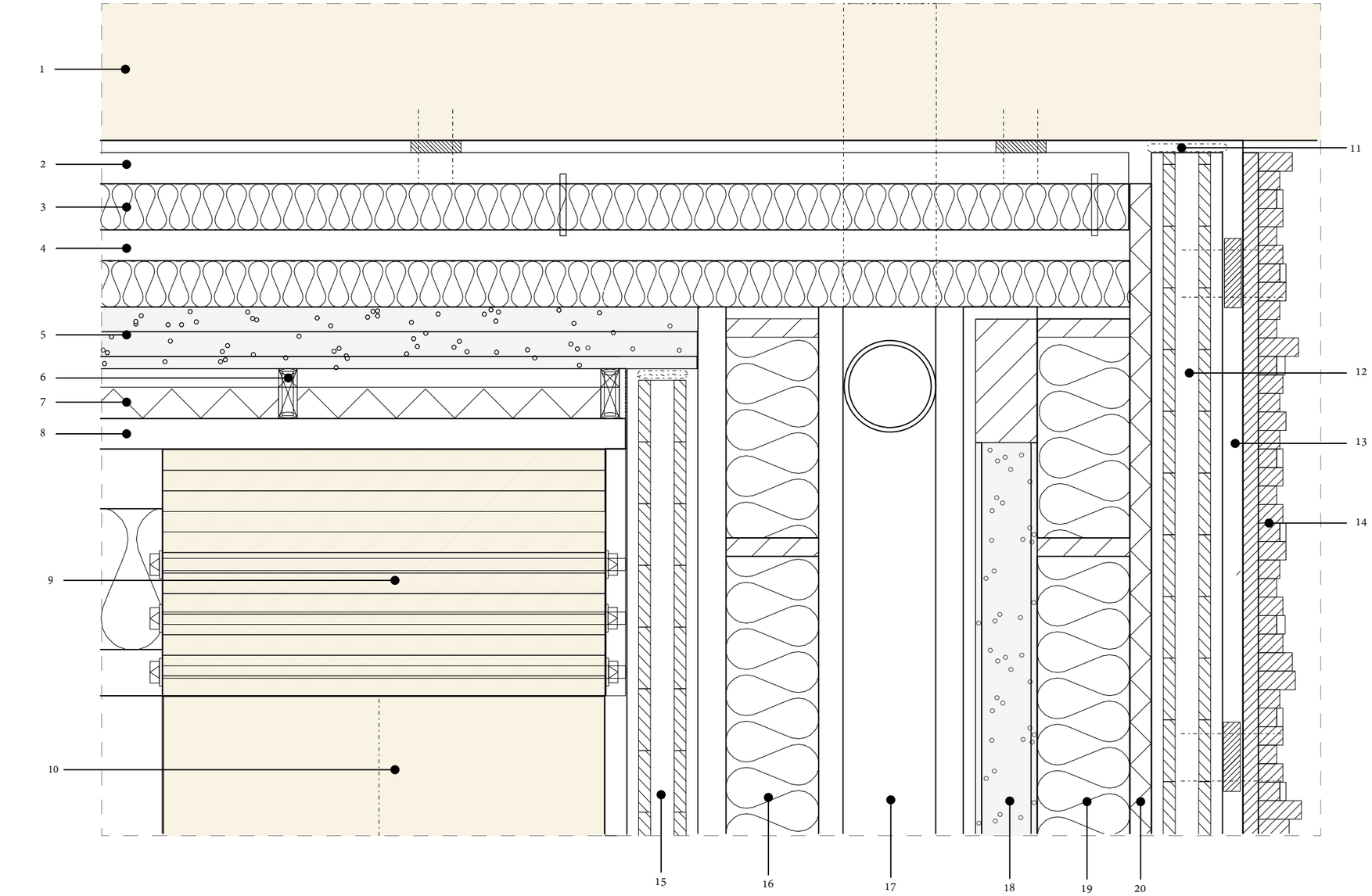

0 100

1. Anti slip coating and protection layer (3mm)
2. ACC 3080 Acoustic Floating Floor Dampers
3. Oak flooring boards (30mm)
4. Acoustic seal strip (soundaboard)
5. CLT Floor (120mm)
6. Assembly of solid gypsum boards (140 mm total thickness)
7. Isolated outer box acoutic slab (50 mm)
8. Steel anchor profiles + fire proofing coating for fixation of CLT columns of balcony construction + acoustic damping mats.
9. CLT Beams on truss construction (700x400mm)
10. CLT wall panels (120mm)
11. Double glass mineral wool insulation packages + timber studs (150mm/150mm)
12. Acoustic insulation foam (CF solid foam) (40mm)
13. Assembly of solid gypsum boards (140 mm total thickness)
14. Timber stud (80mm/120mm) for seperation inner wall and inner floor)
15. ACC 3080 Acoustic Floating Floor Dampers (breakers)
16. Steel connection elements + acoustic damping mats & bolts
17. CLT beam (400x150mm)
18. Steel connection elements, fixation CLT columns and beams + fire proofing coating
19. CLT Beam (300x300mm)
20. CLT Beam (400x200mm)





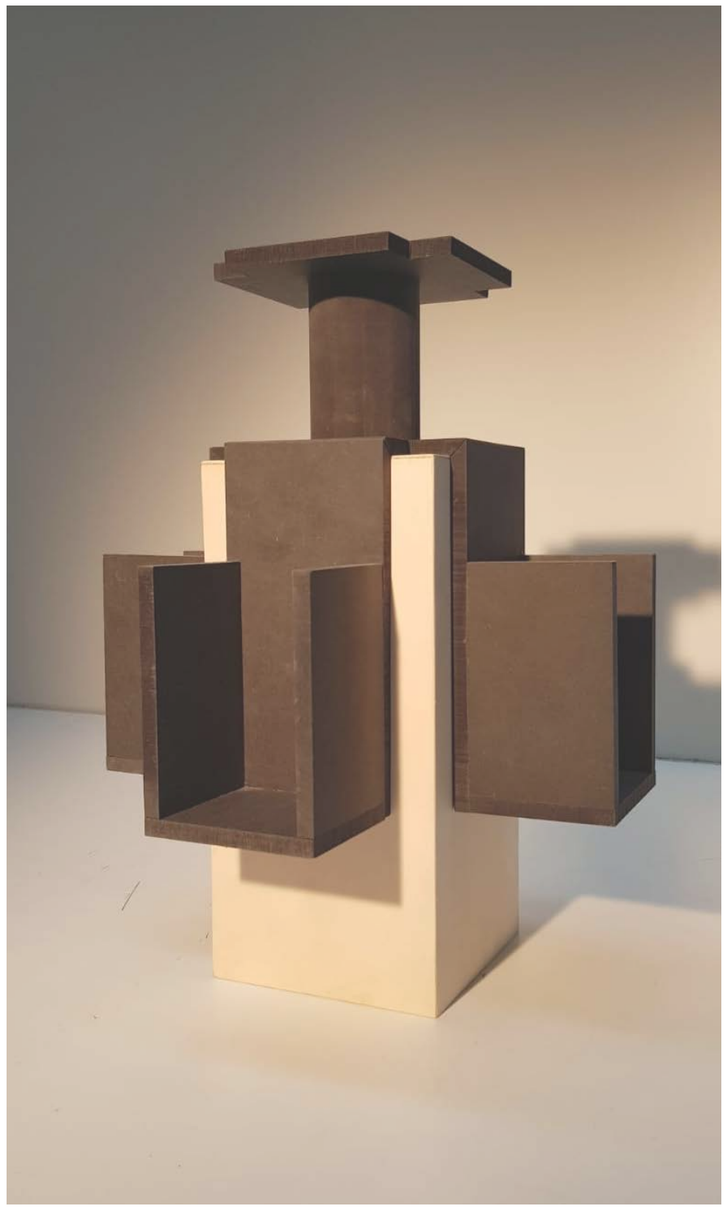
*https://www.nativewildflowers.net/white-oak/*
*https://www.shorturl.at/gowGW*




1. CLT Truss construction outer box
2. Timber slatting (30mm/30mm) + montage overhaul
3. Double layers of fabric faced acoustic ceiling panels. (recycled) Glass mineral wool(75mm)
4. Cavity, seperation ‘inner and outer box’
5. Assembly of solid gypsum boards (100 mm total thickness)
6. ACC 3080 Acoustic Floating Floor Dampers
7. Isolated inner box acoutic slab (50 mm)
8. Oak ceiling finishing (fire proof coating + fabric faced acoutic lining)
9. CLT truss beam (700x385mm)
10. CLT truss column
11. Moisture ventilation hole
12. CLT wall panels (150mm)
13. Timber slatting (20mm/20mm) for fixation outer box finish
14. Timber insulation/acoustic diffuser (reusing construction wood)
15. CLT wall panels (120mm)
16. Glass mineral wool insulation packages + timber studs (150mm)
17. Cavity + piping for ventilation shafts (leading from TROX units on technical floor to balconies and main floor)
18. Assembly of solid gypsum boards (100mm total thickness)
19. Glass mineral wool insulation packages + timber studs (150mm)
20. Acoustic insulation foam (CF solid foam) (40mm)



# DOORSNEDE

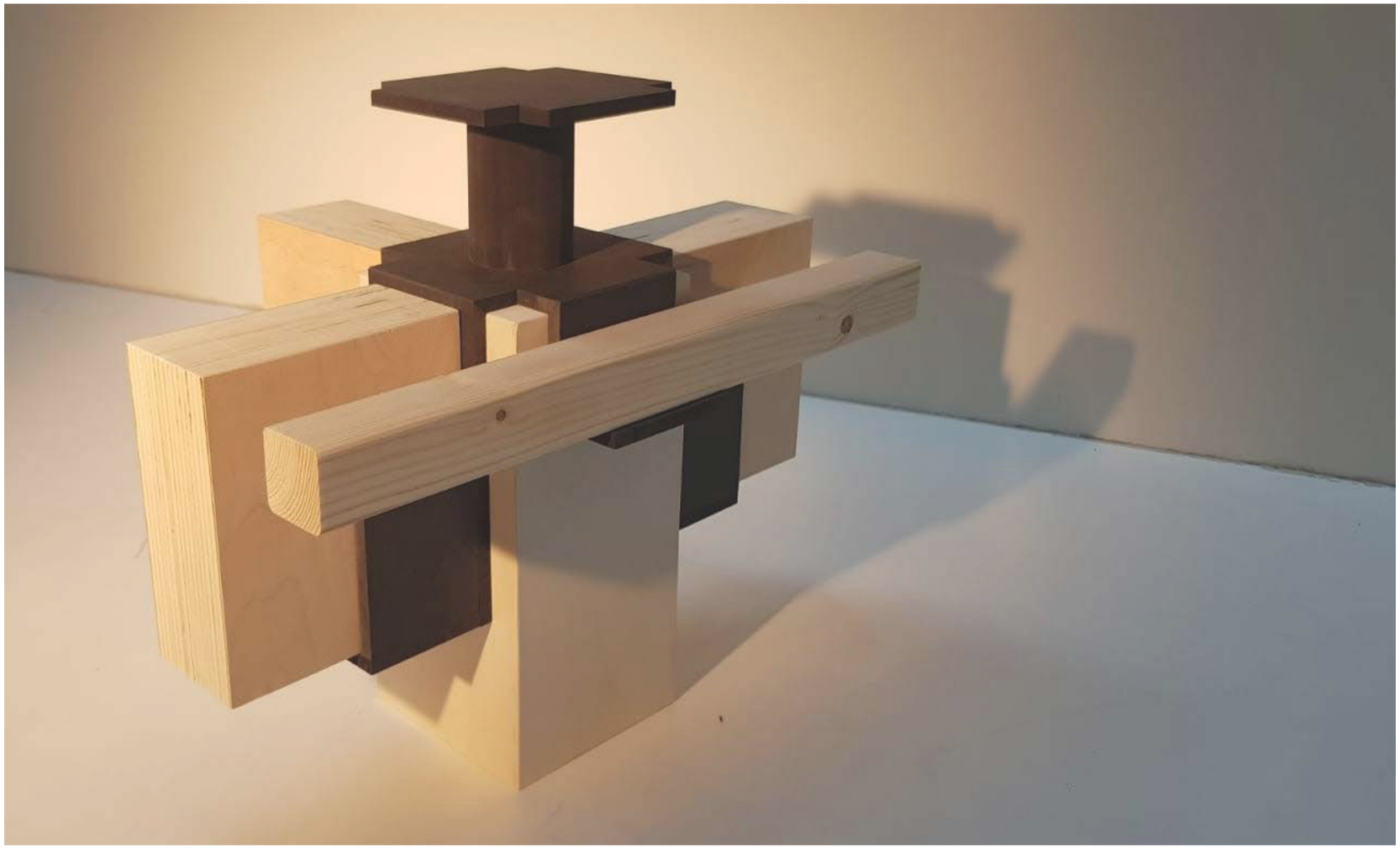


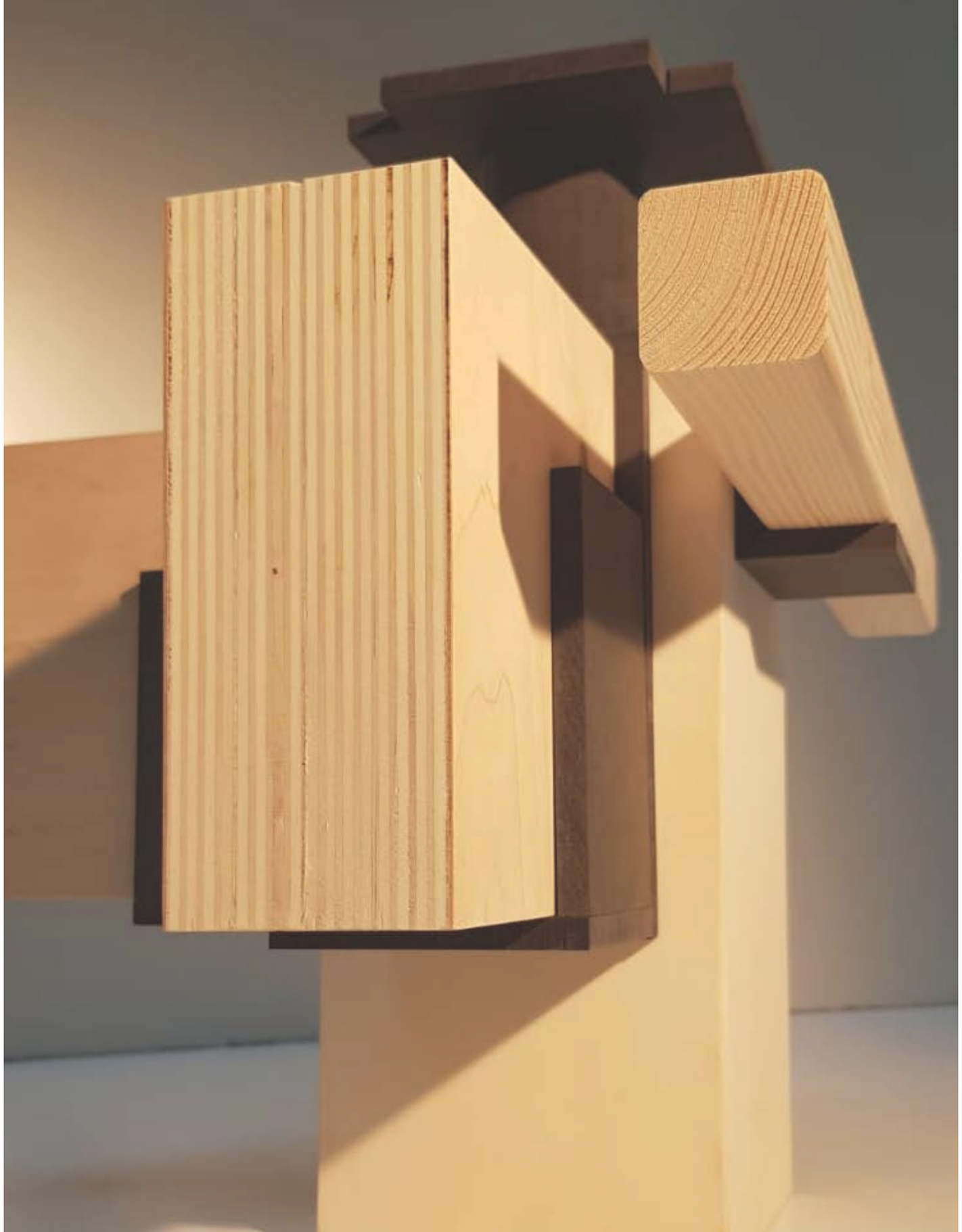


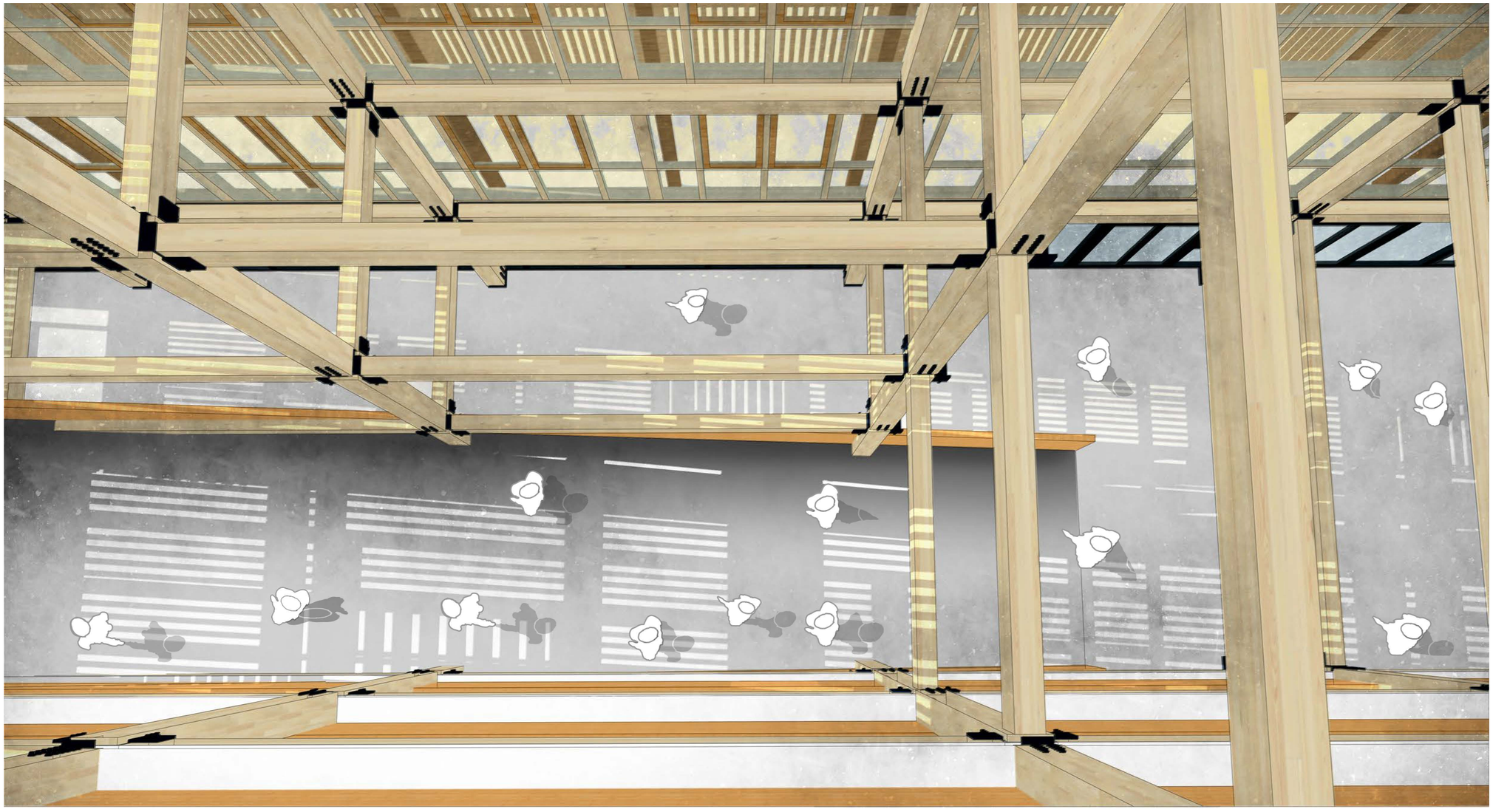


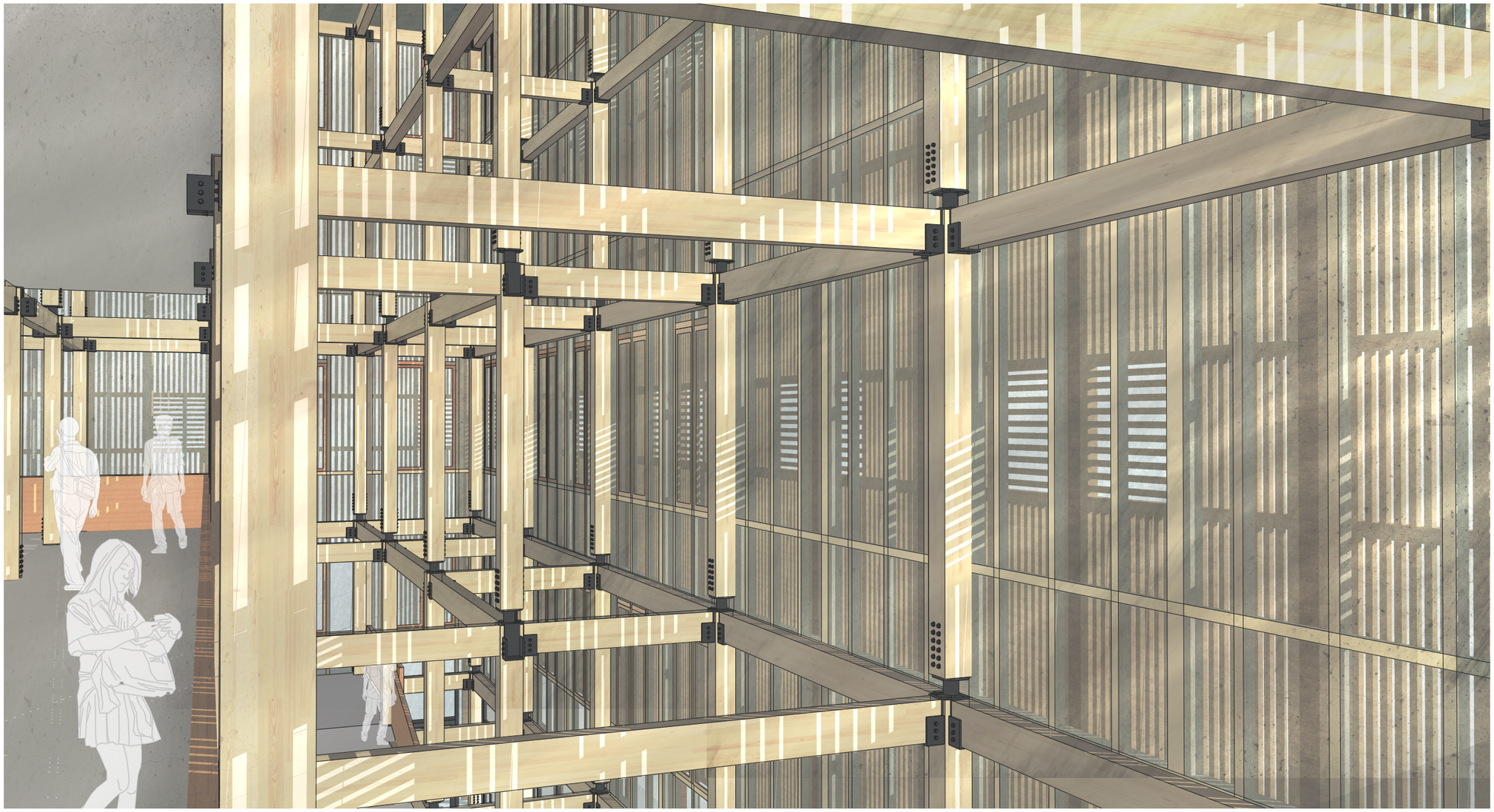


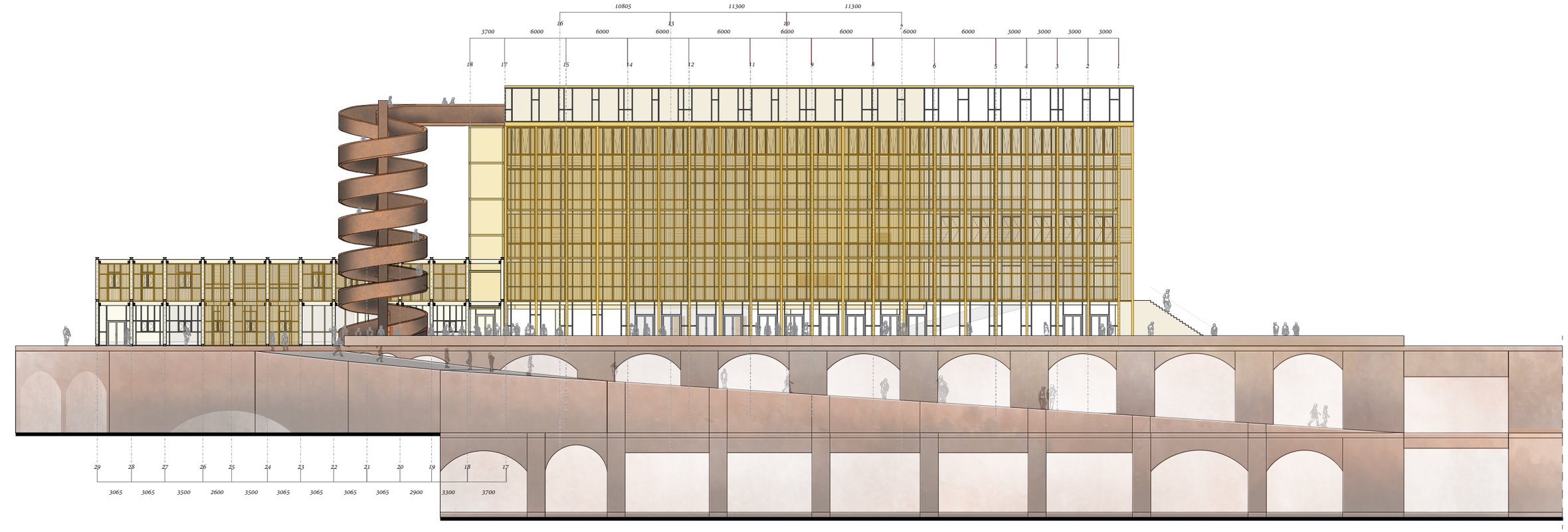
*https://ec.europa.eu/jrc/en/research-topic/forestry/qr-tree-project/scots-pine*
*https://www.wood-database.com/scots-pine/*







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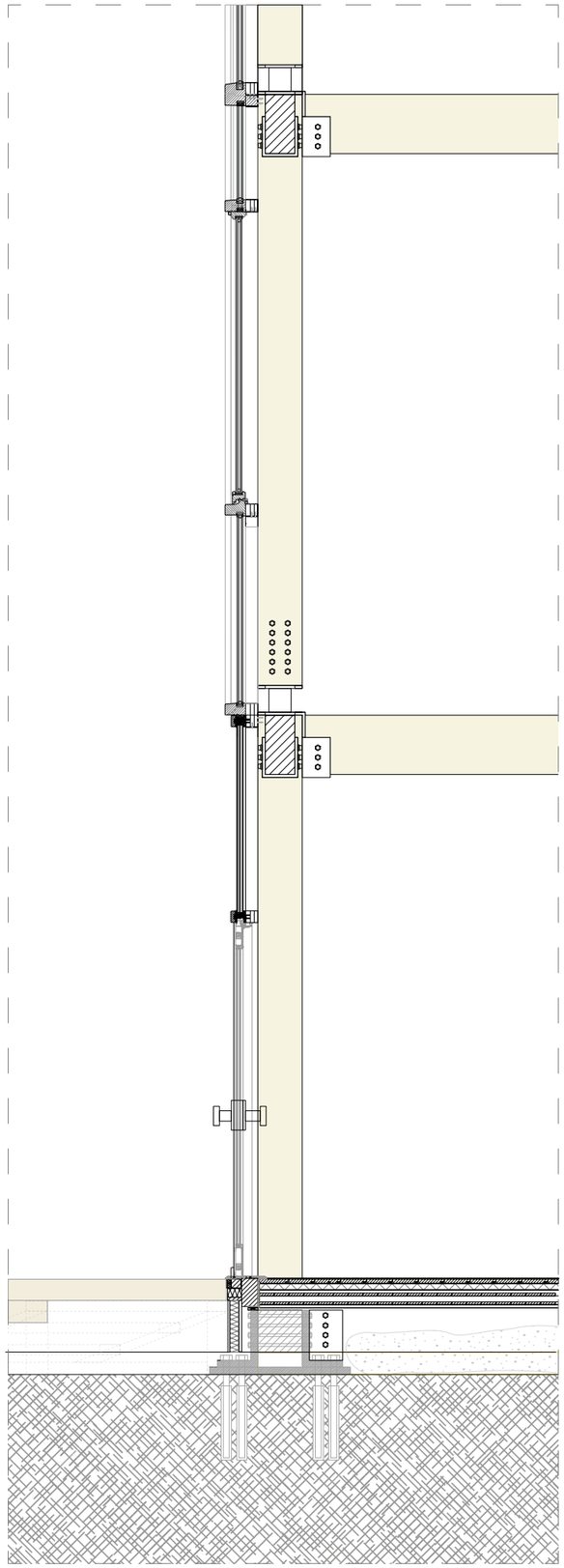
0 3000 6000





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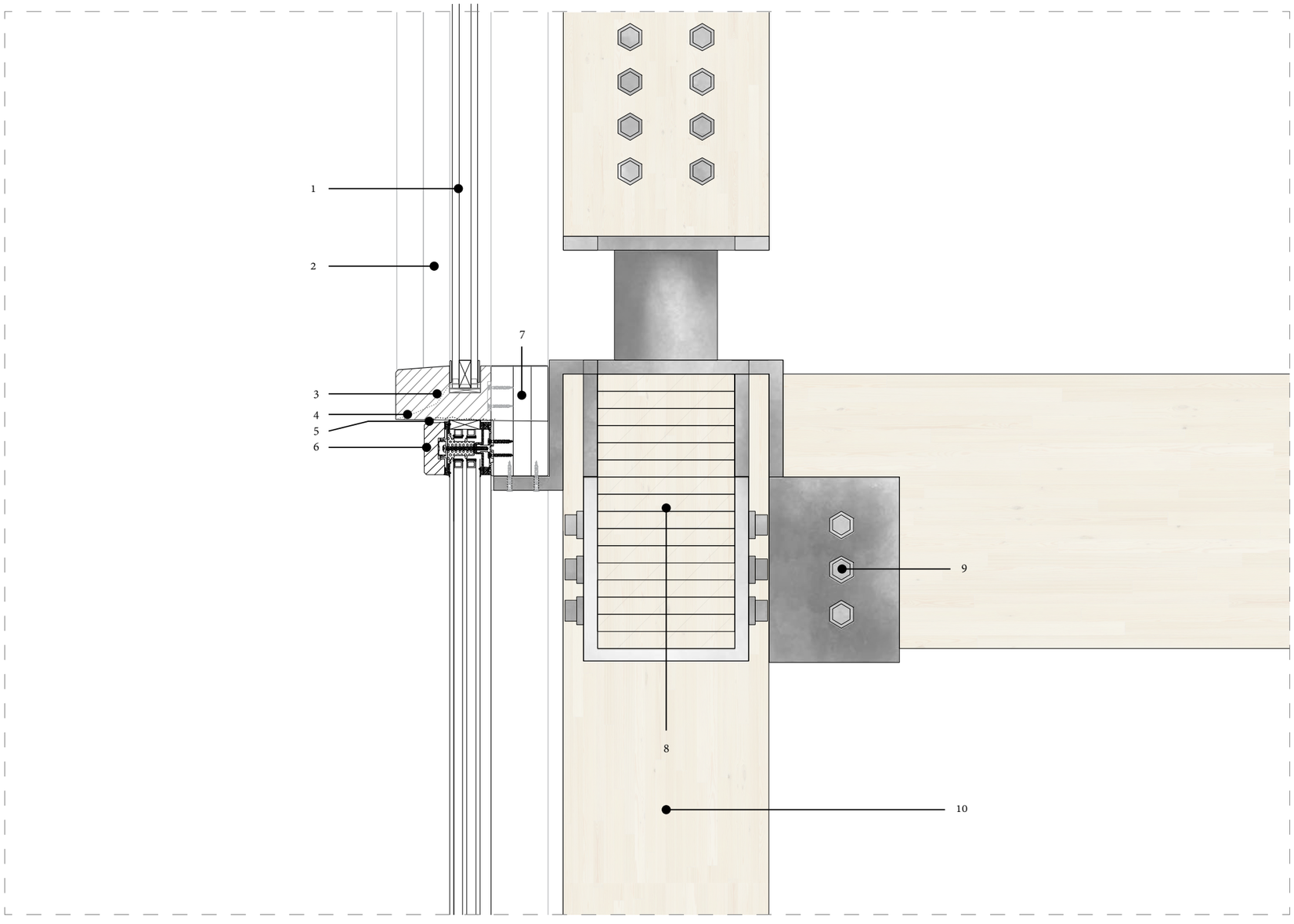
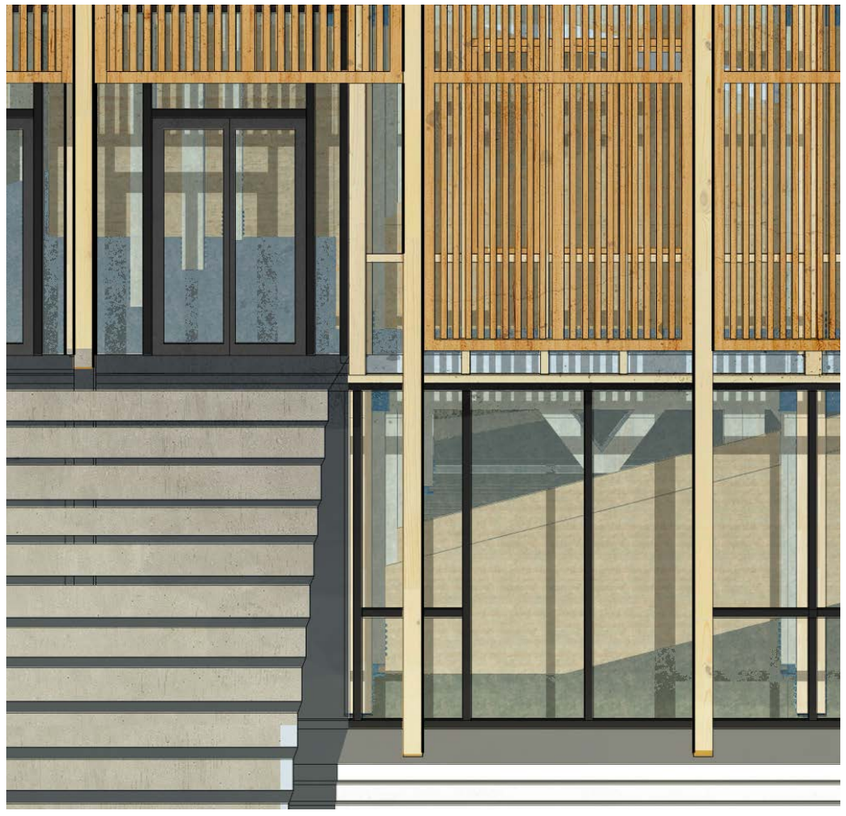
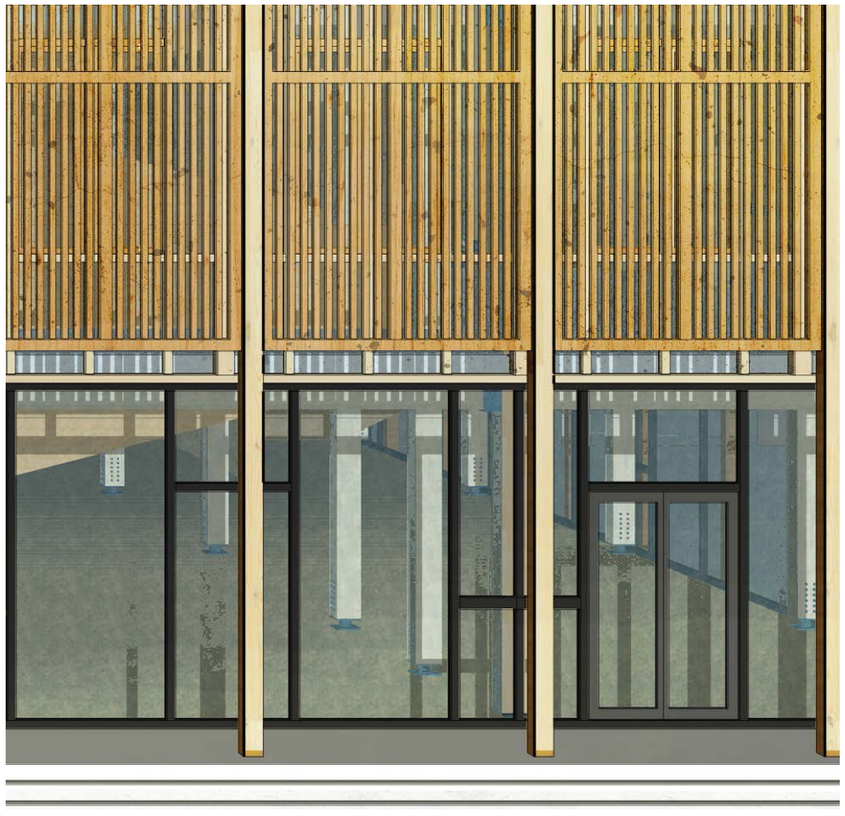
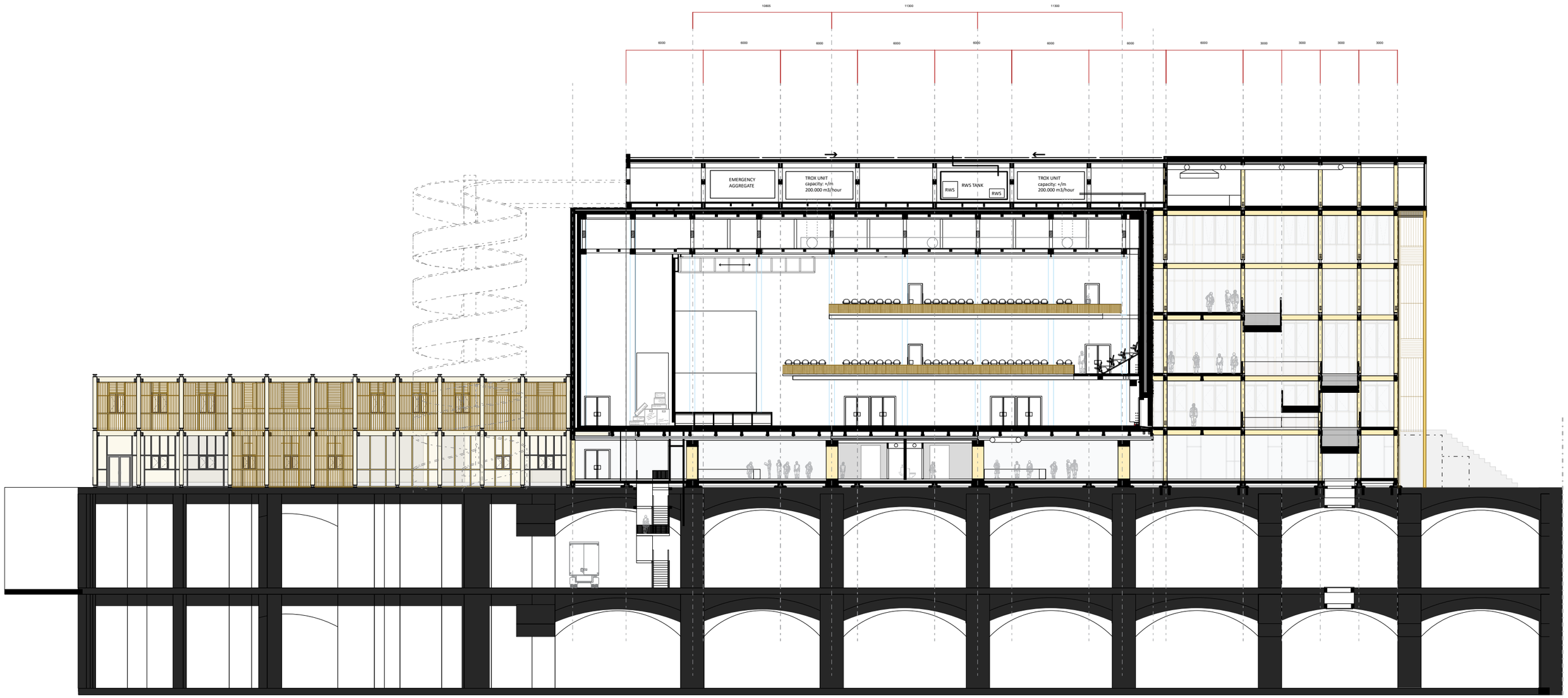



1. THERM + double glazing
2. line of  depth ‘secondairy window frame slats)
3. THERM + timber window frame  (head size 90mm)
4. Line integrated weep hole window frame
5. Weep slot between different facade types
6. Therm + H I 76/80mm Wood cover profile and triple glazing
7. Studs for fixation facade elements. Resting on small ‘hand’ of steel connection element
8. CLT Beam (400x200mm)
9. Steel ‘hands’ profiles for fixation of CLT beams + fire proofing coating
10. CLT Column (300x300mm)



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11300
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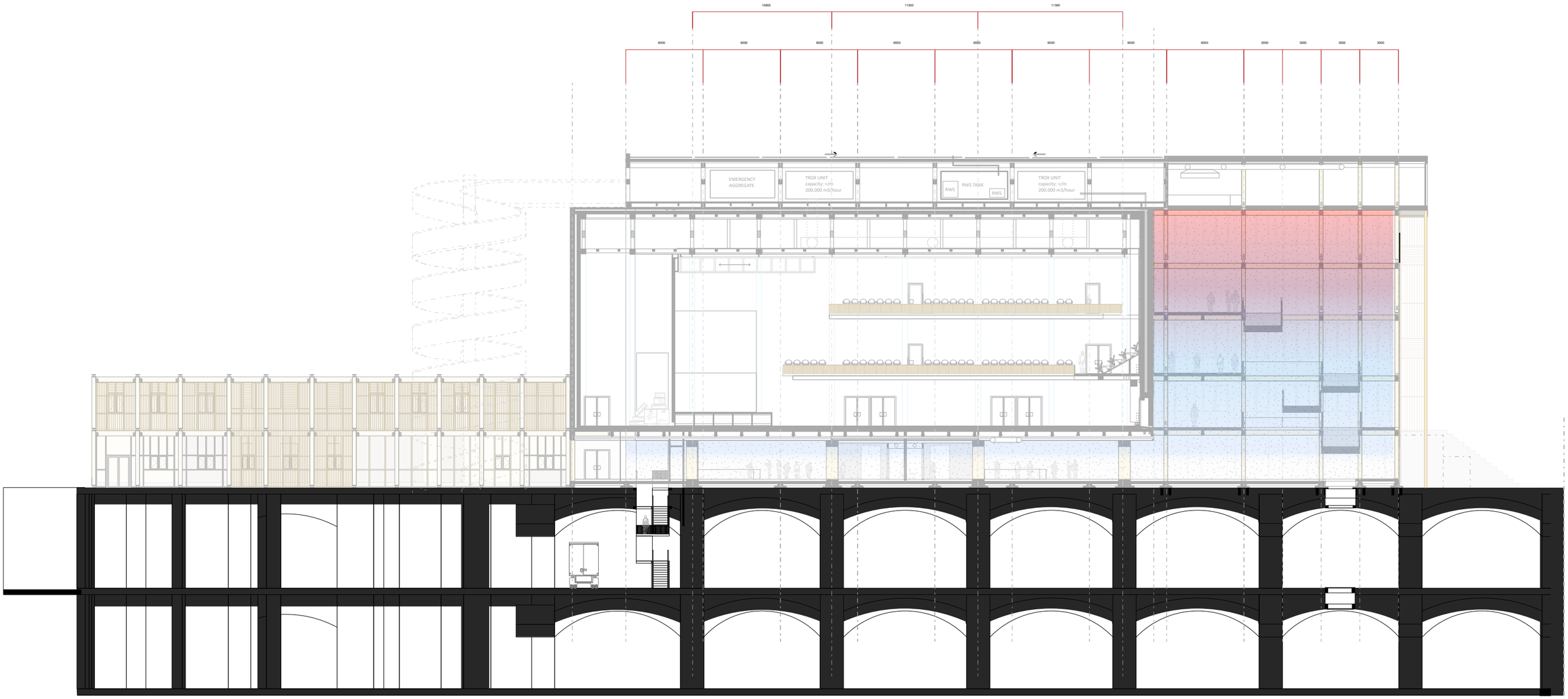
6000
6000
6000
6000
6000
6000
6000
6000
3000
3000
3000
3000
EMERGENCY AGGREGATE
TROX UNIT capacity: +/m 200.000 m3/hour
RWS
RWS TANK
RWS
TROX UNIT capacity: +/m 200.000 m3/hour

0 3000 6000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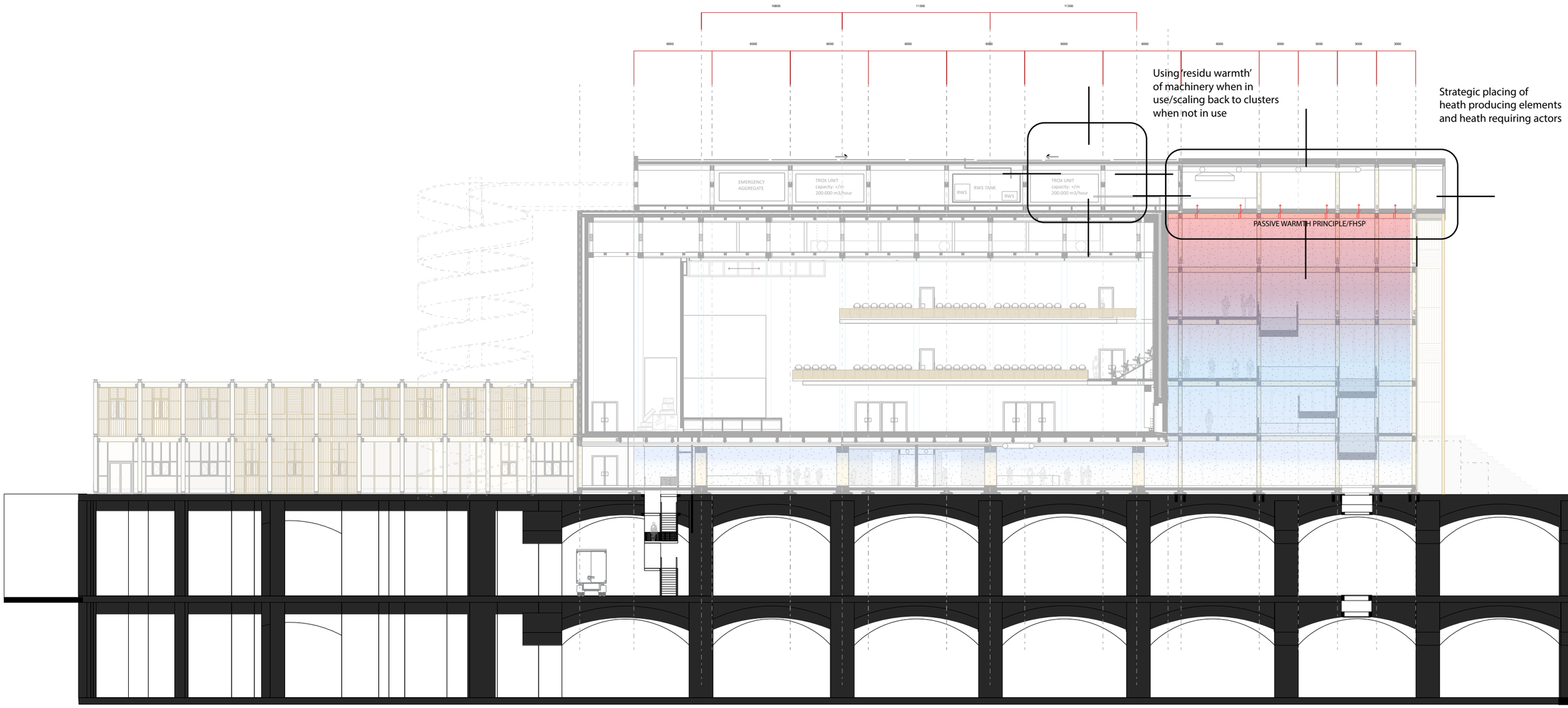
EMERGENCY AGGREGATE
TROX UNIT capacity: +/m 200.000 m3/hour
RWS
RWS TANK
RWS
TROX UNIT capacity: +/m 200.000 m3/hour

0 3000 6000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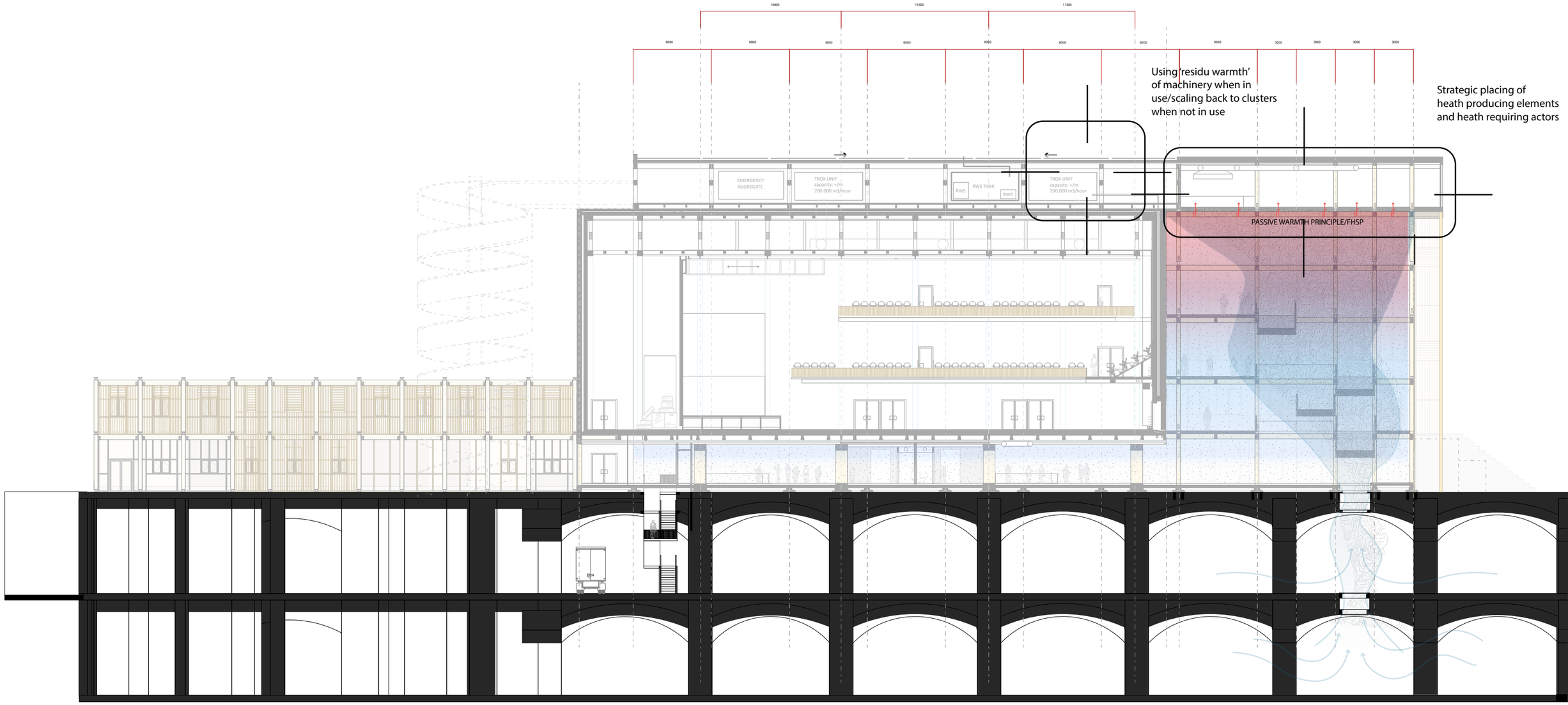
3000
EMERGENCY AGGREGATE
TROX UNIT capacity: +/m 200.000 m3/hour
RWS
RWS TANK
RWS
TROX UNIT capacity: +/m 200.000 m3/hour
Using 'residu warmth' of machinery when in use/scaling back to clusters when not in use
Strategic placing of heath producing elements and heath requiring actors
PASSIVE WARMTH PRINCIPLE/FHSP

0 3000 6000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11300
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6000
6000
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3000
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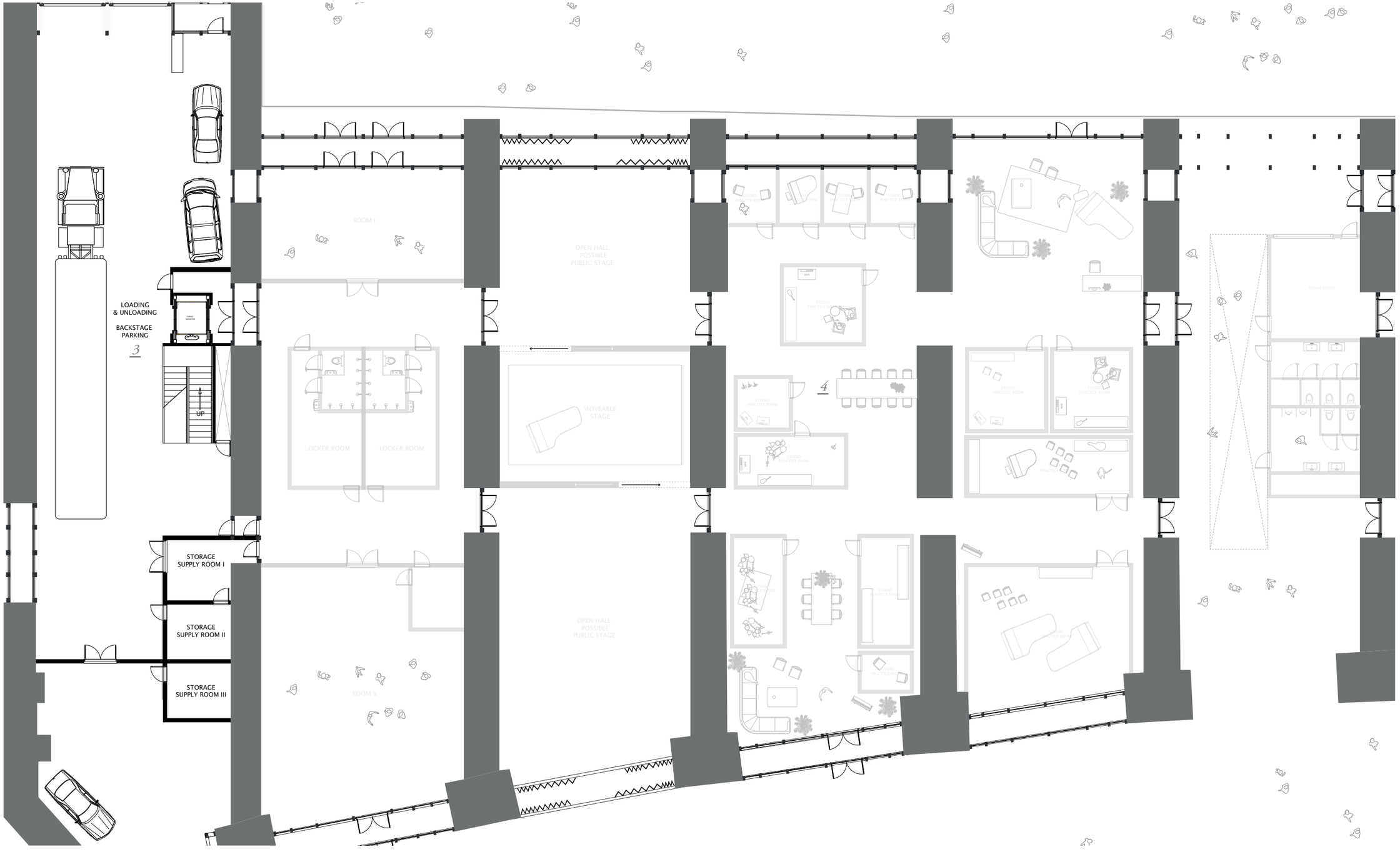
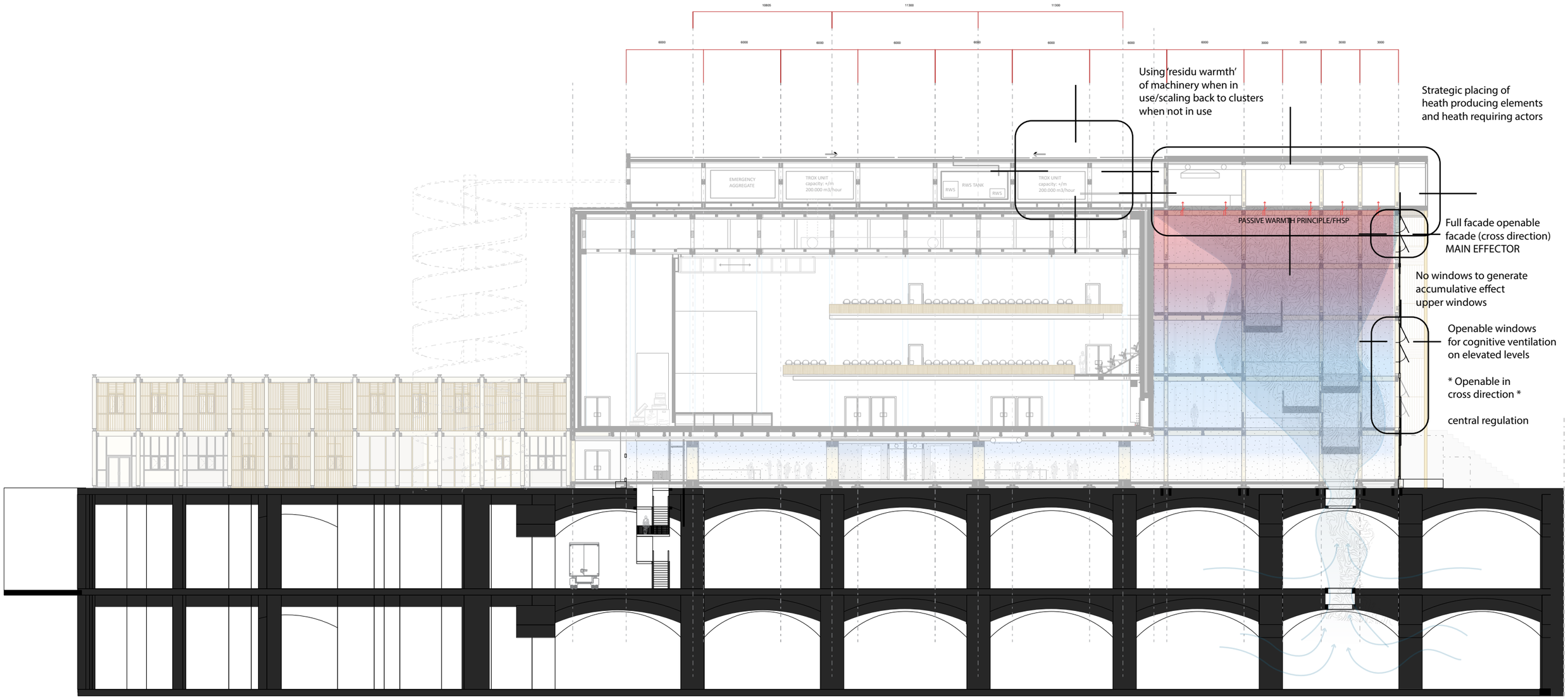
3000
3000
EMERGENCY AGGREGATE
TROX UNIT capacity: +/m 200.000 m3/hour
RWS
RWS TANK
RWS
TROX UNIT capacity: +/m 200.000 m3/hour
Using 'residu warmth' of machinery when in use/scaling back to clusters when not in use
Strategic placing of heath producing elements and heath requiring actors
PASSIVE WARMTH PRINCIPLE/FHSP
CONNECTION WITH INNER STREETS
0
3000
6000


LOADING
& UNLOADING
BACKSTAGE
PARKING
3
UP
STORAGE
SUPPLY ROOM I
STORAGE
SUPPLY ROOM II
STORAGE
SUPPLY ROOM III
ROOM I
LOCKER ROOM
LOCKER ROOM
ROOM II
OPEN HALL
POSSIBLE
PUBLIC STAGE
MOVEABLE
STAGE
OPEN HALL
POSSIBLE
PUBLIC STAGE
4
STUDIO
PRACTICE ROOM
FRONT OFFICE








CONNECTION WITH INNER STREETS

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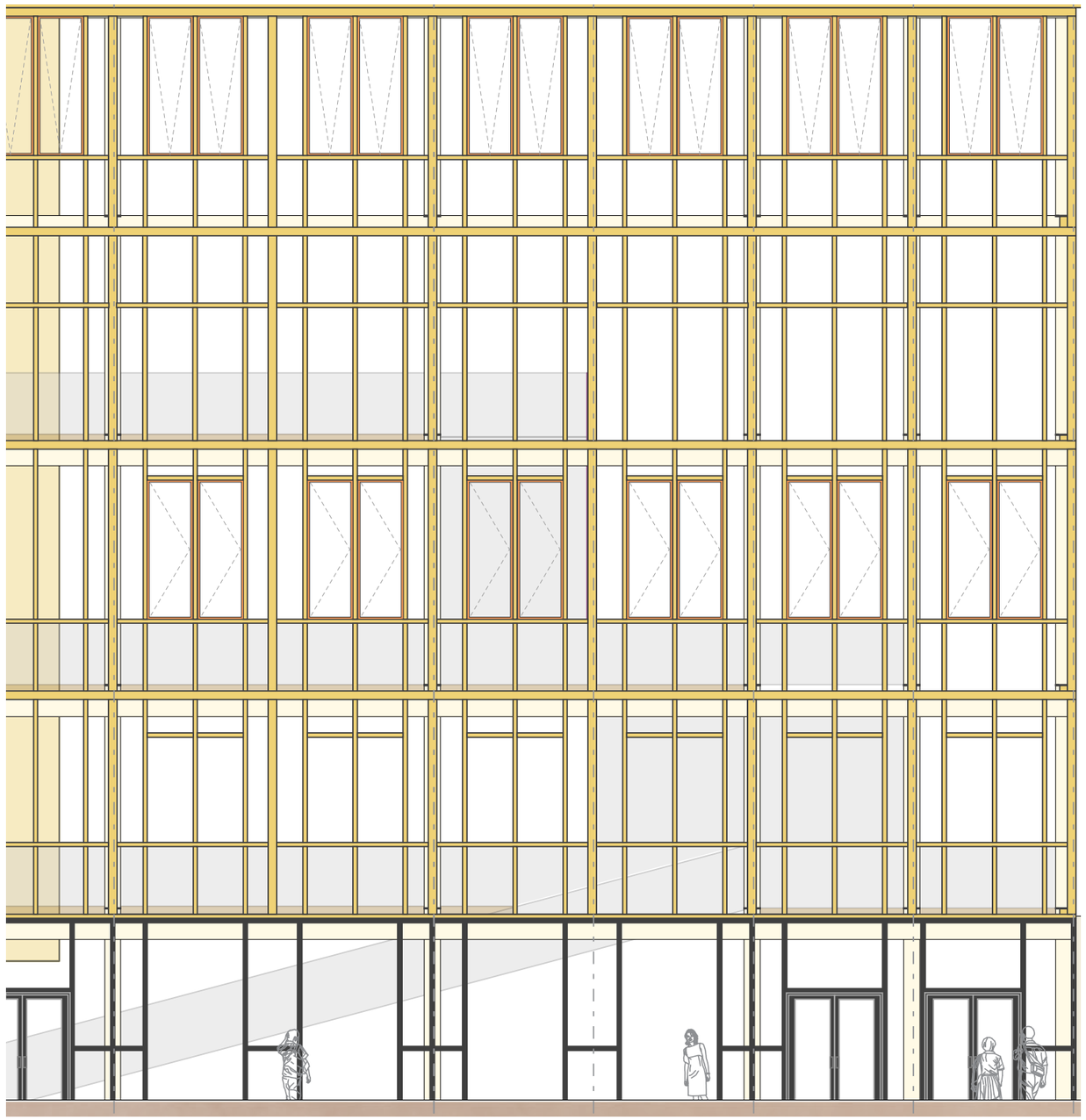
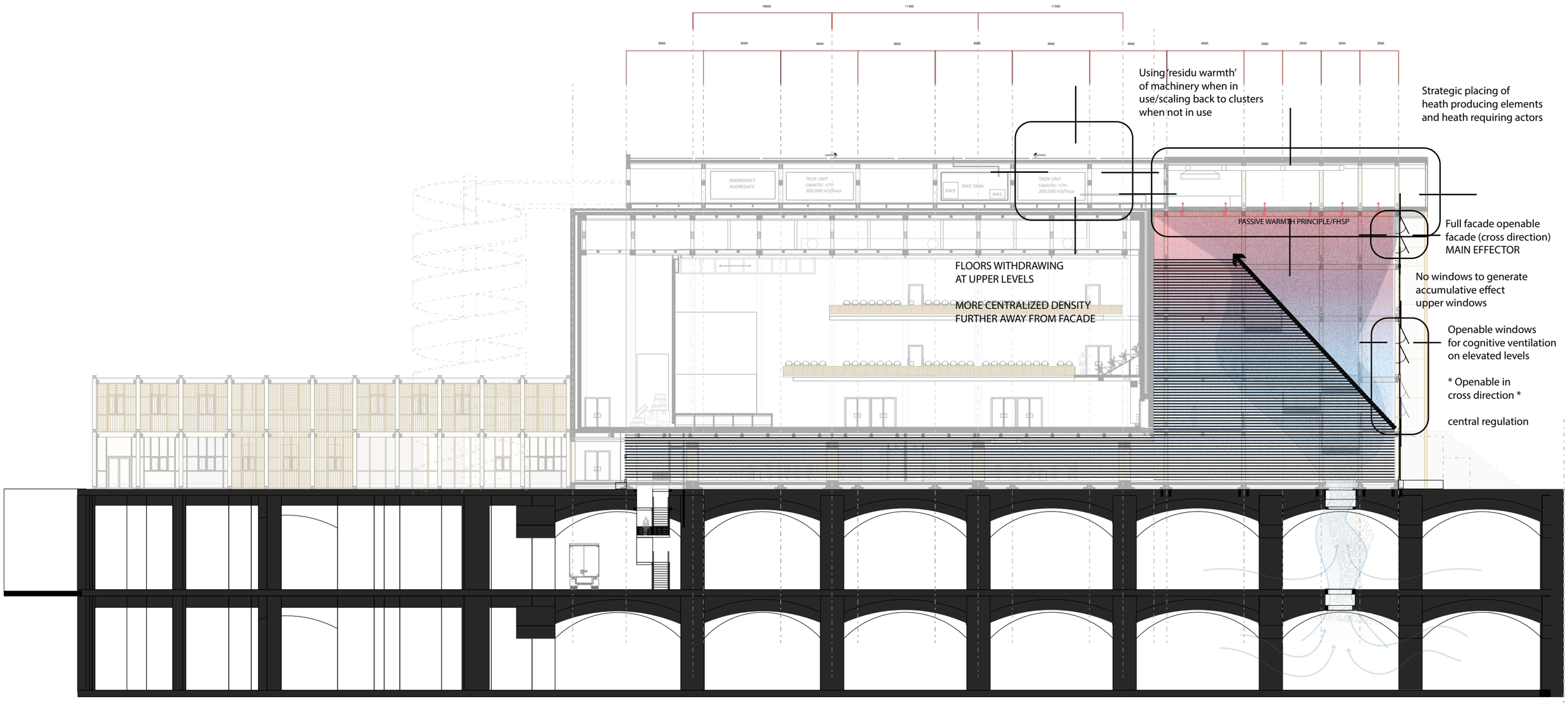
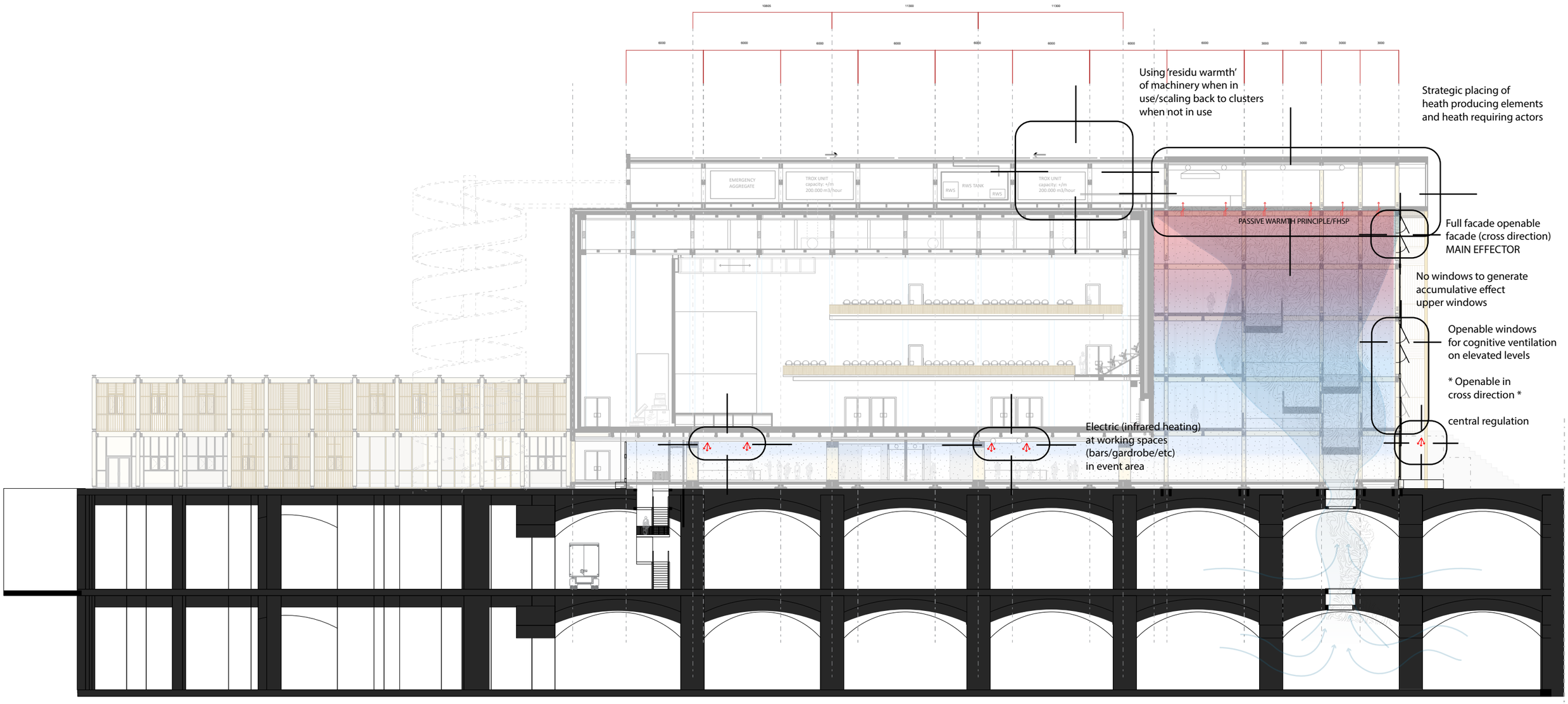





CONNECTION WITH INNER STREETS

0 3000 6000


10805
11300
11300
6000
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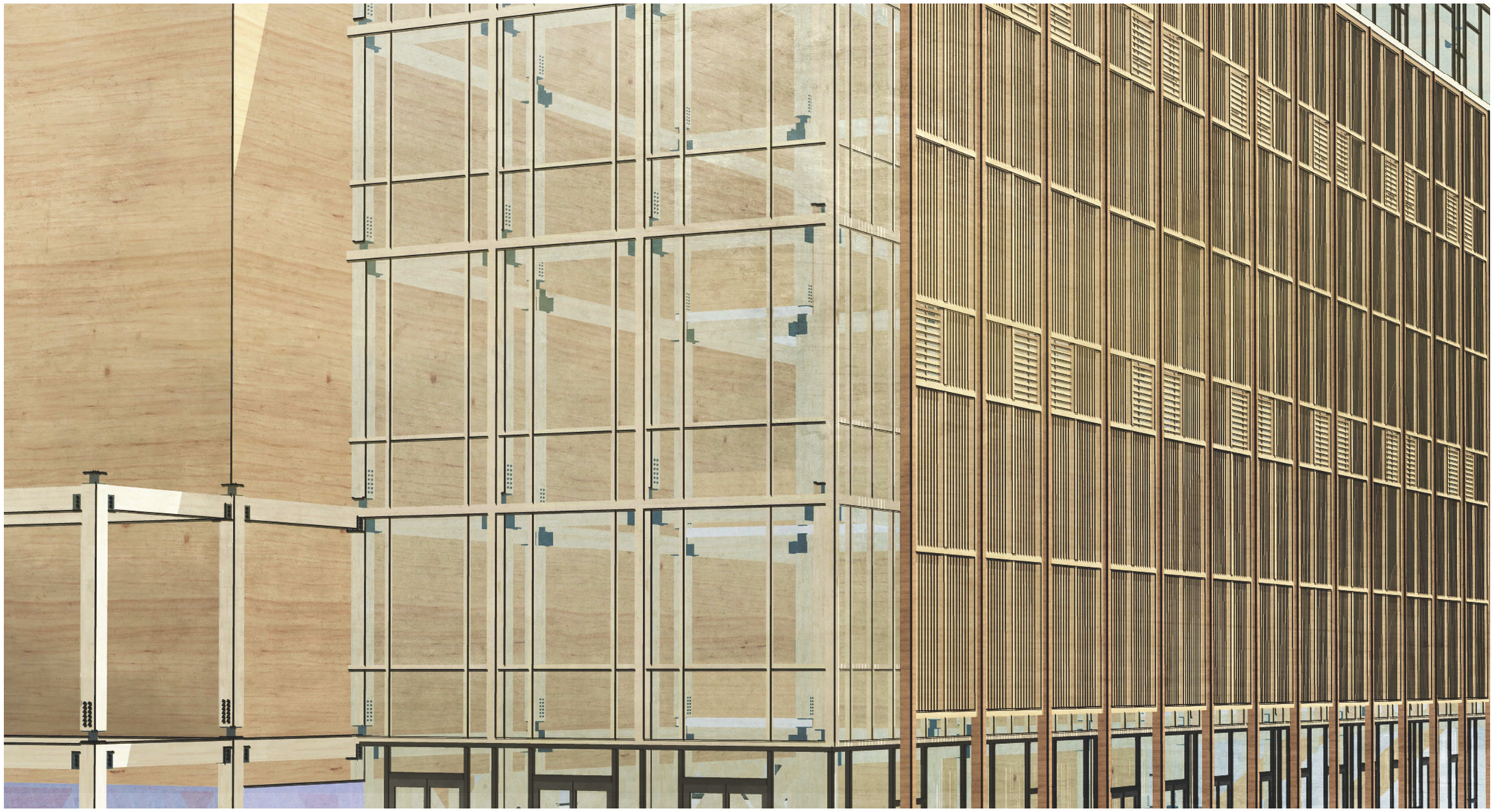
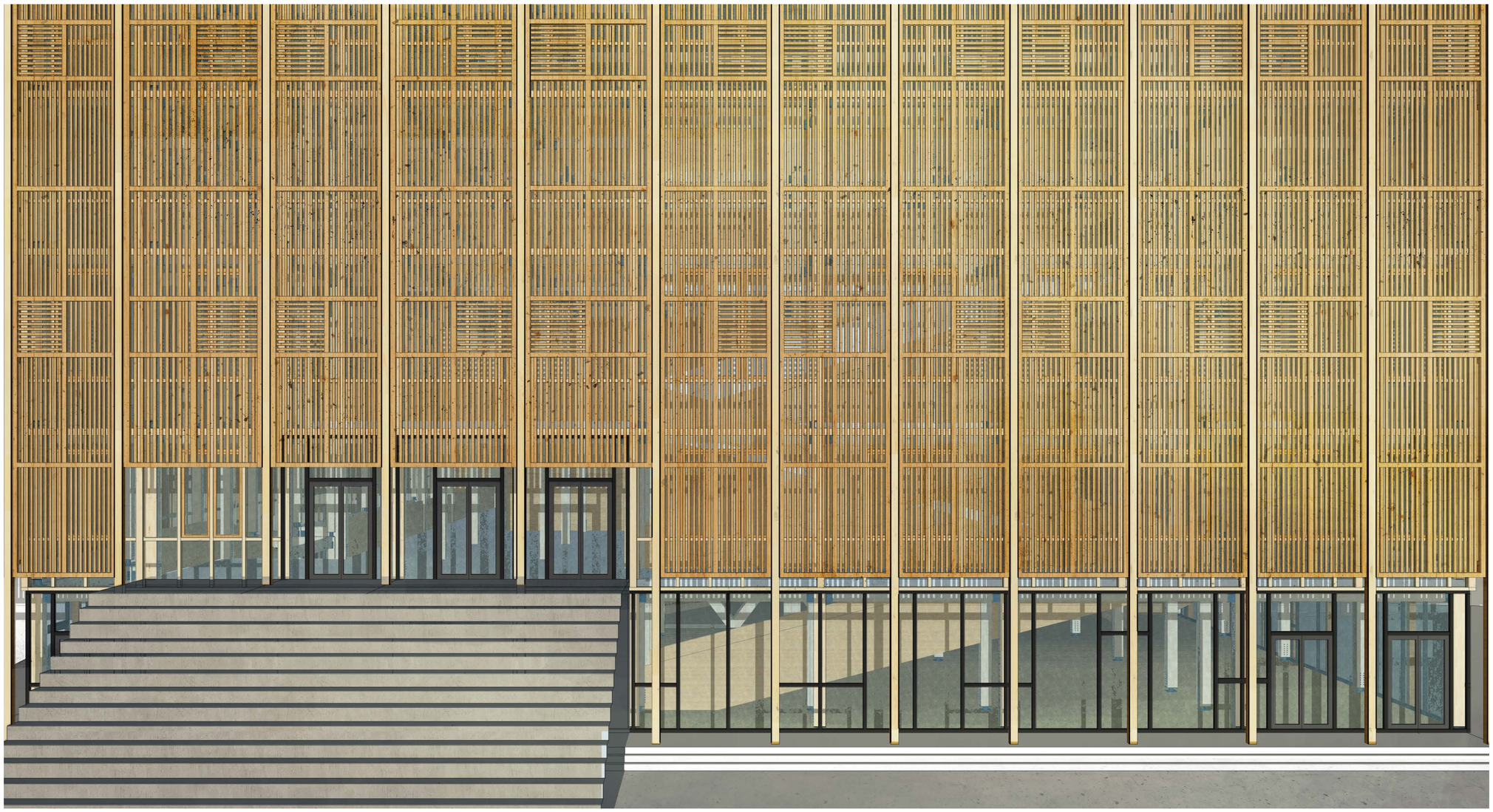
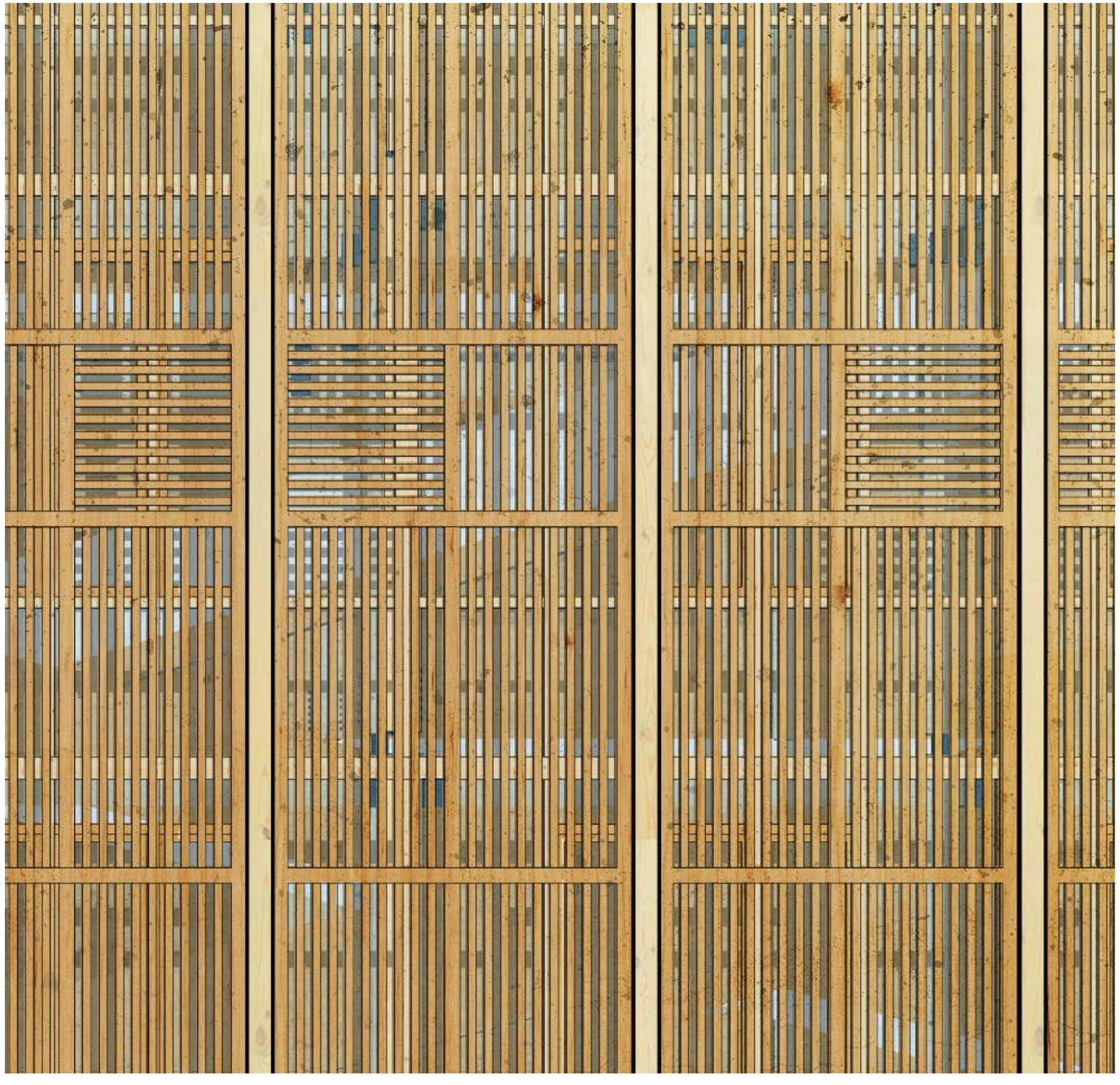
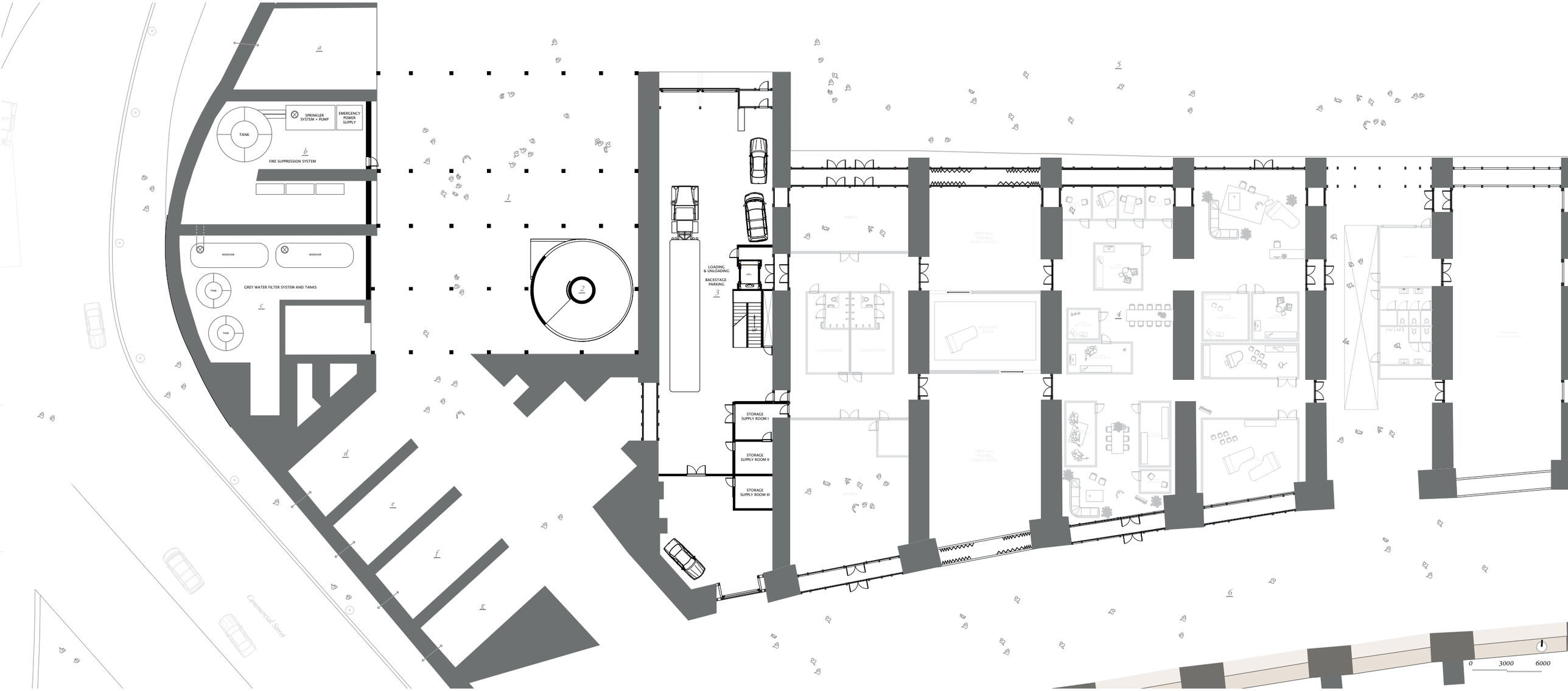
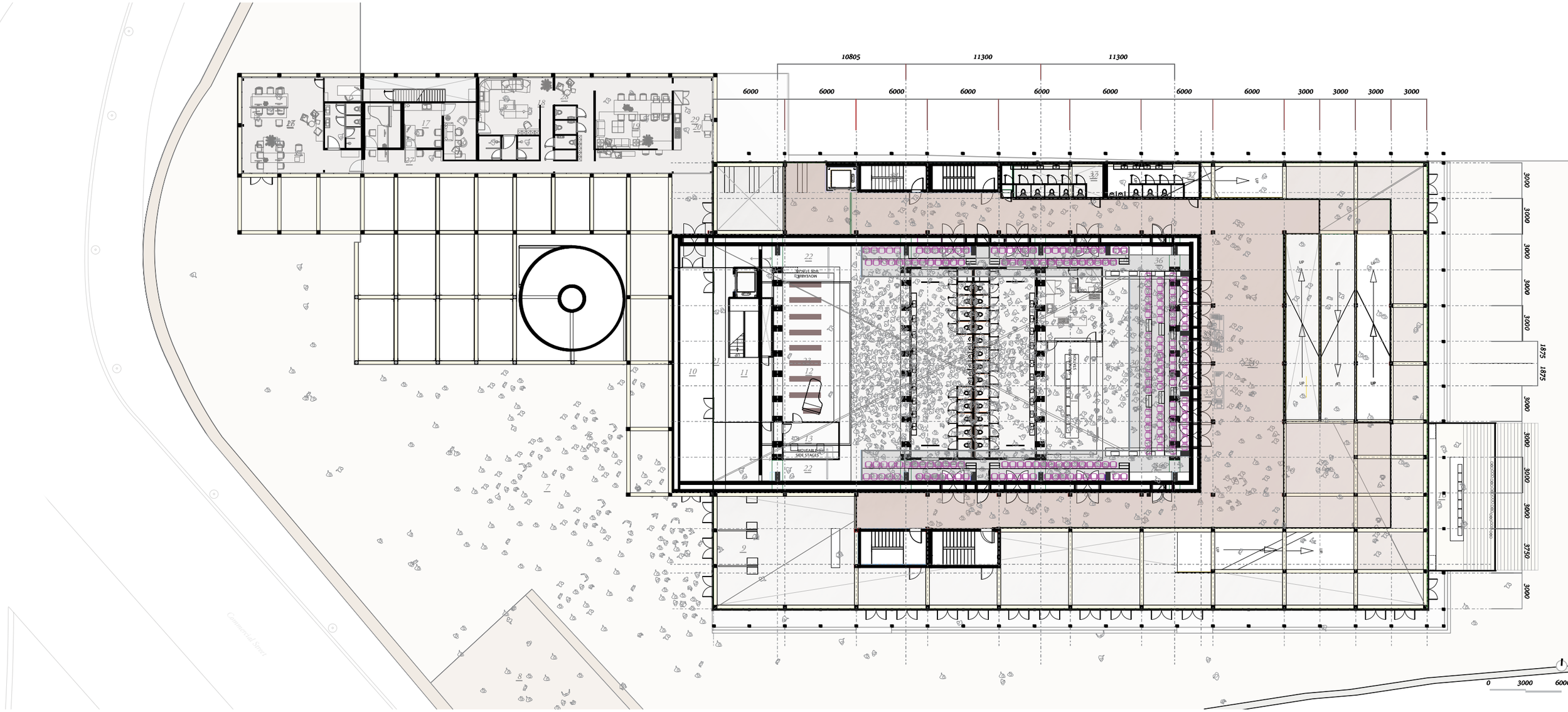
3000
3000
3000
3000
EMERGENCY AGGREGATE
TROX UNIT capacity: +/m 200.000 m3/hour
RWS
RWS TANK
RWS
TROX UNIT capacity: +/m 200.000 m3/hour
Using 'residu warmth' of machinery when in use/scaling back to clusters when not in use
Strategic placing of heath producing elements and heath requiring actors
PASSIVE WARMTH PRINCIPLE/FHSP
Full facade openable facade (cross direction) MAIN EFFECTOR
No windows to generate accumulative effect upper windows
Openable windows for cognitive ventilation on elevated levels
* Openable in cross direction *
central regulation
Electric (infrared heating) at working spaces (bars/gardrobe/etc) in event area
CONNECTION WITH INNER STREETS
0
3000
6000








a
TANK
SPRINKLER SYSTEM + PUMP
EMERGENCY POWER SUPPLY
b
FIRE SUPPRESSION SYSTEM
RESERVOIR
RESERVOIR
GREY WATER FILTER SYSTEM AND TANKS
TANK
TANK
c
d
e
f
g
1
2
LOADING & UNLOADING
BACKSTAGE PARKING
3
STORAGE SUPPLY ROOM I
STORAGE SUPPLY ROOM II
STORAGE SUPPLY ROOM III
5
4
6
Commercial Street
0
3000
6000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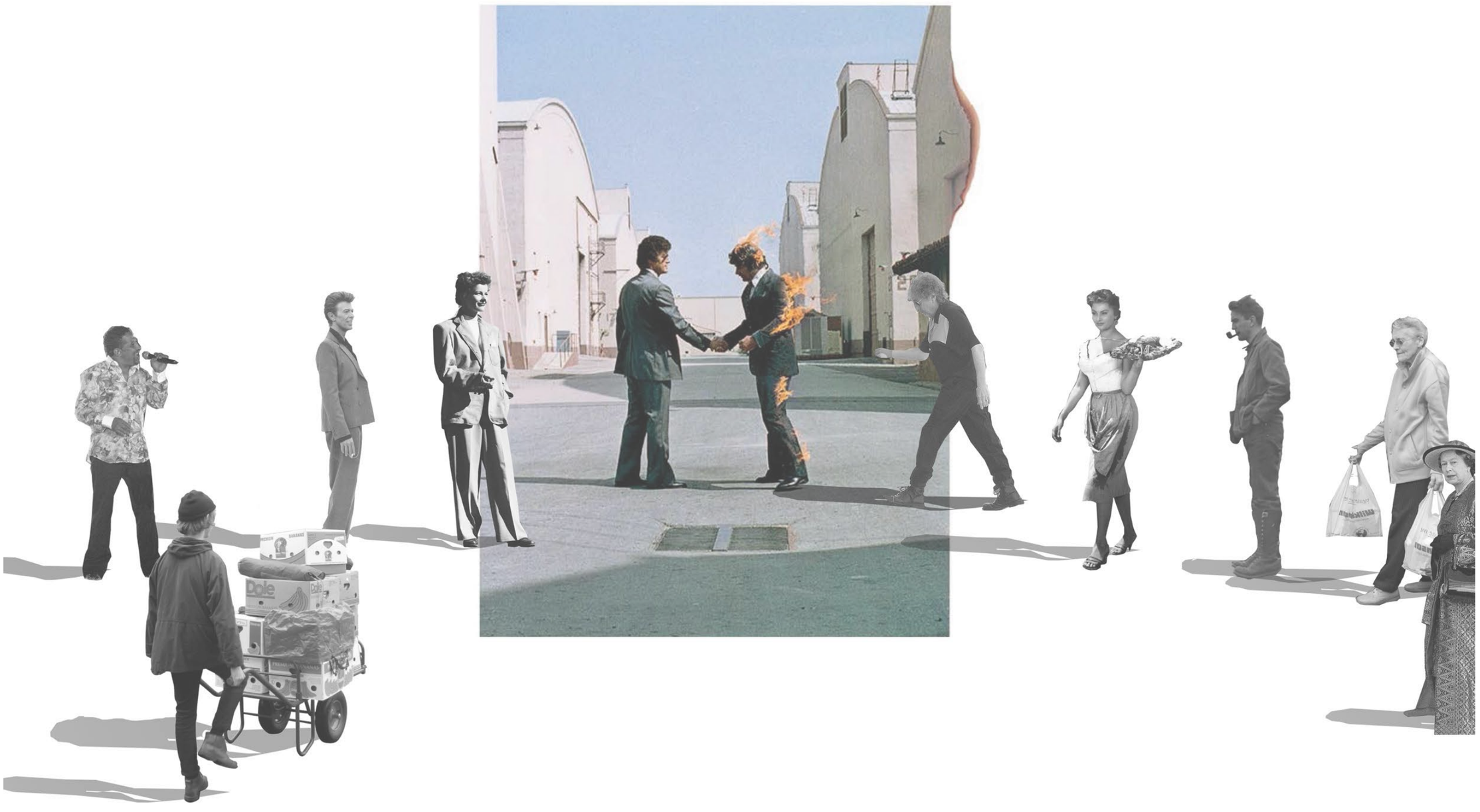
6000

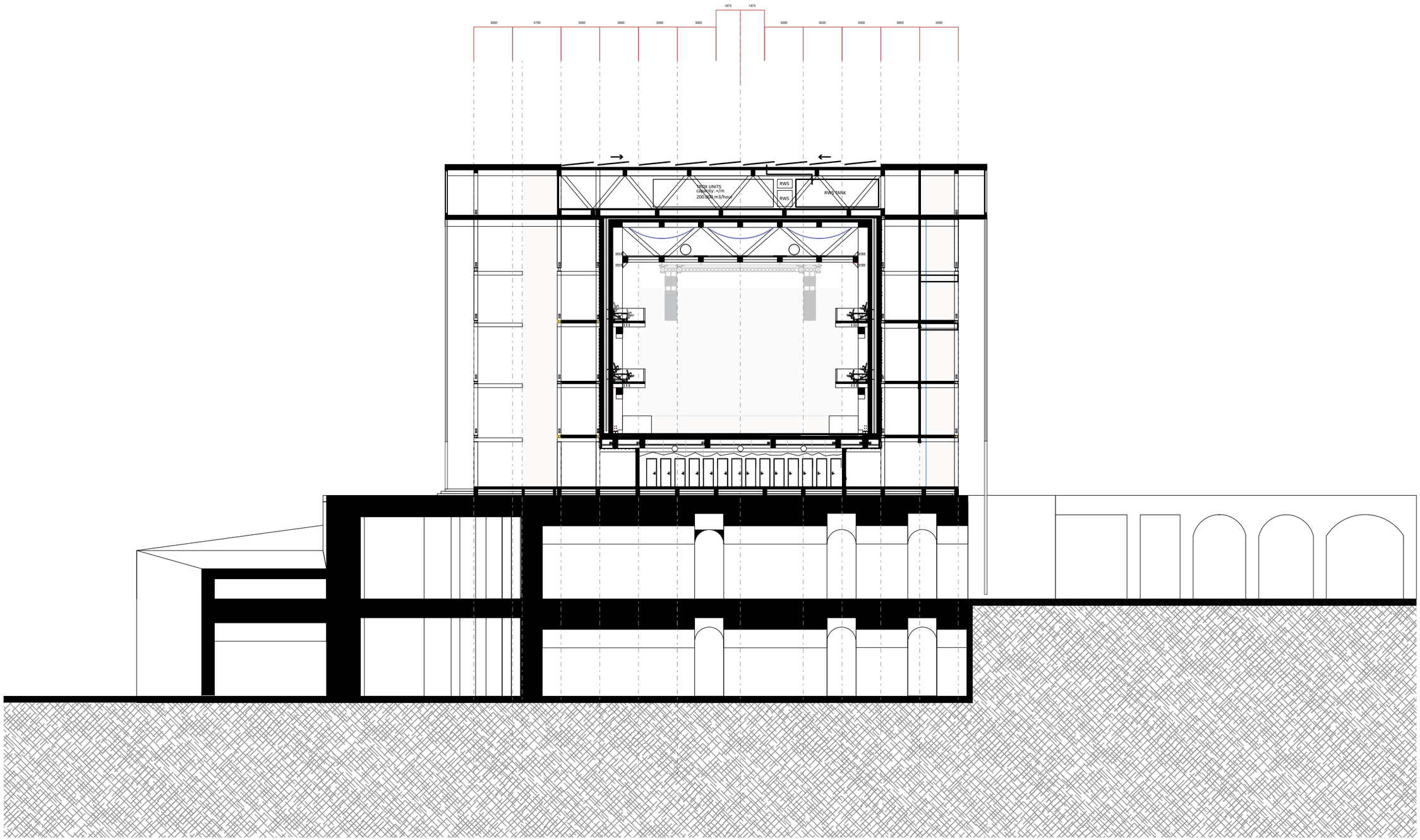



Dole

# *The end*

*“And in the end,*
*the love you take, is equal to the love you make”*

*2015 – 2021*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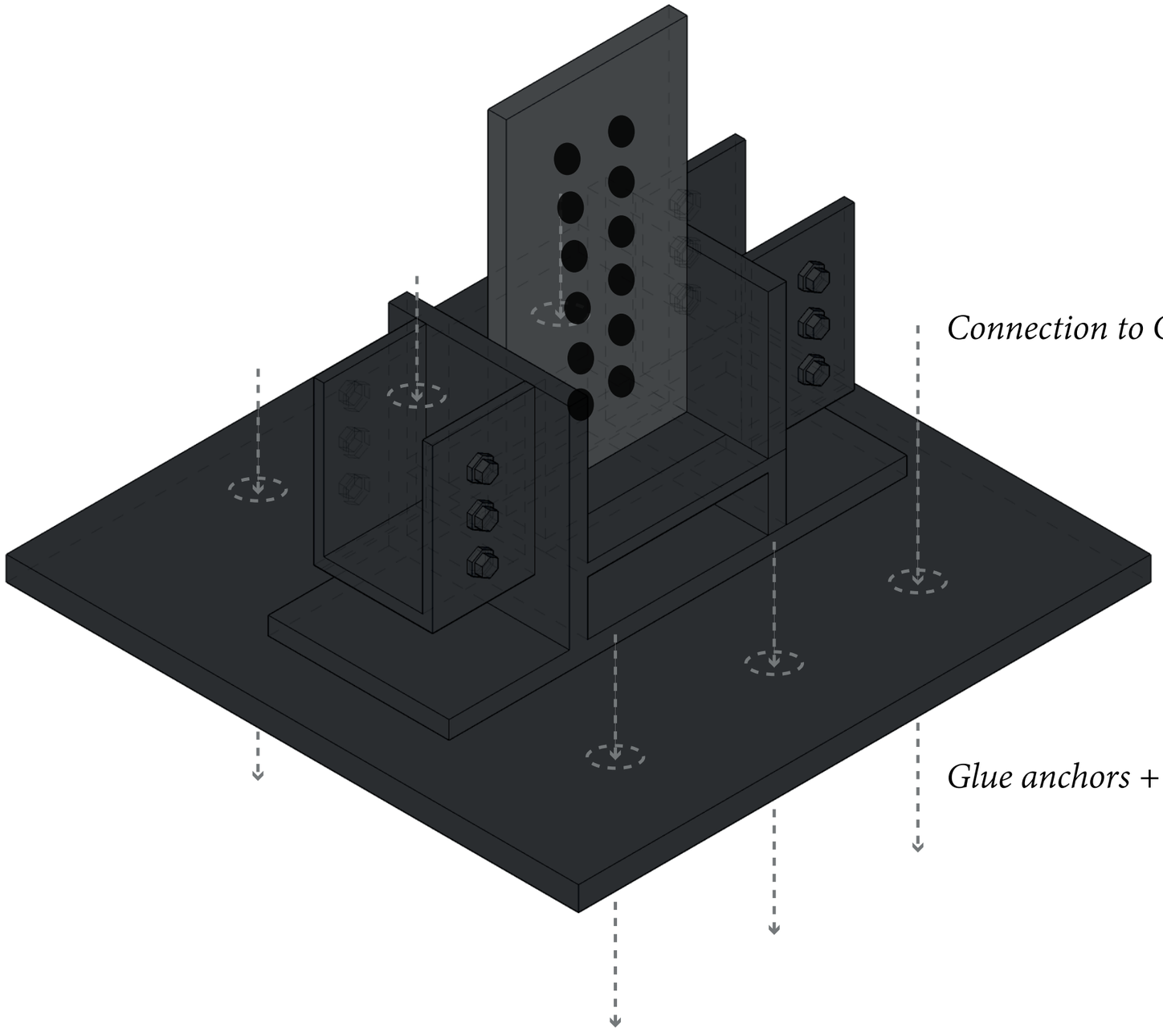
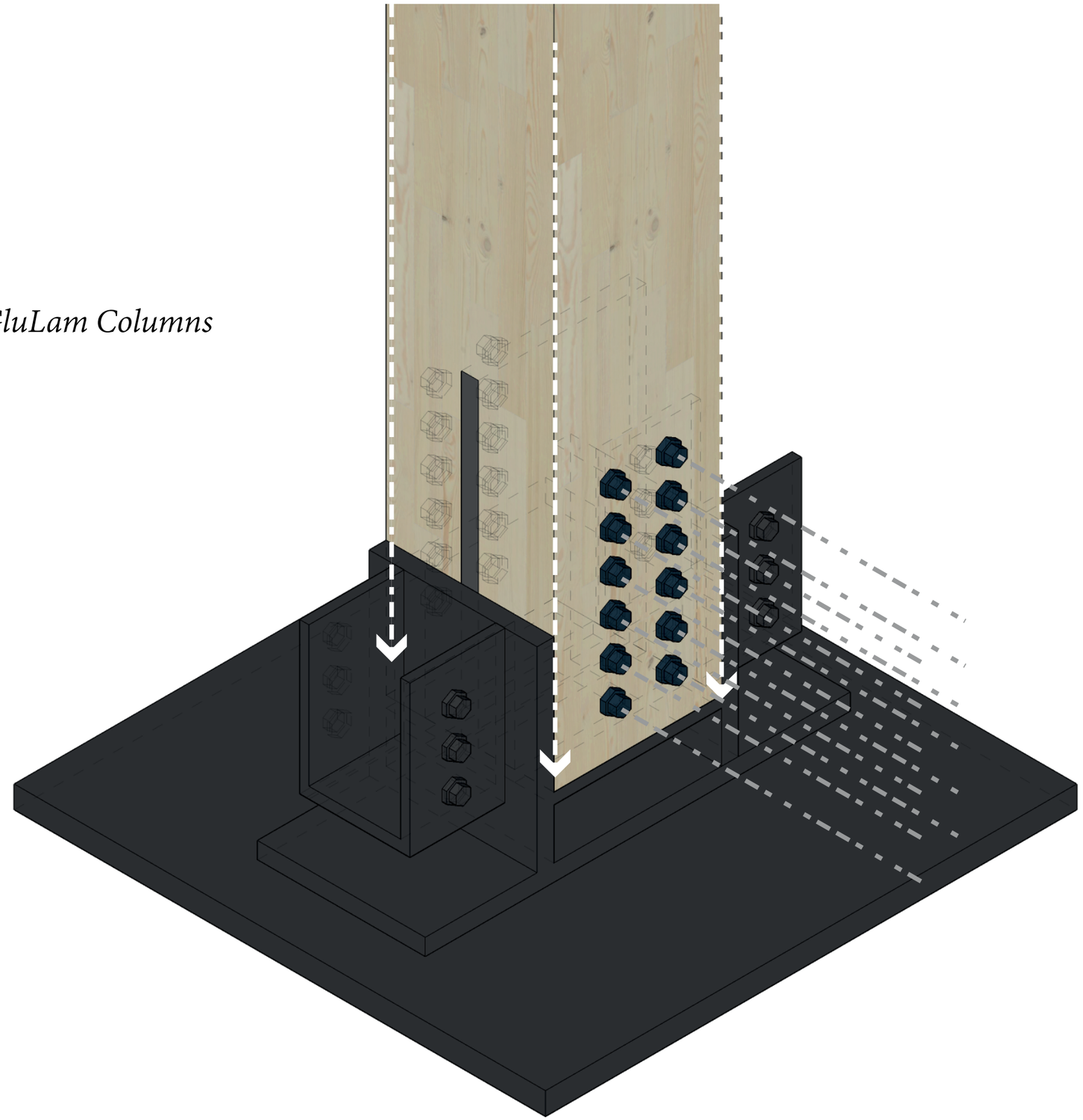
RWS
RWS
RWT TANK

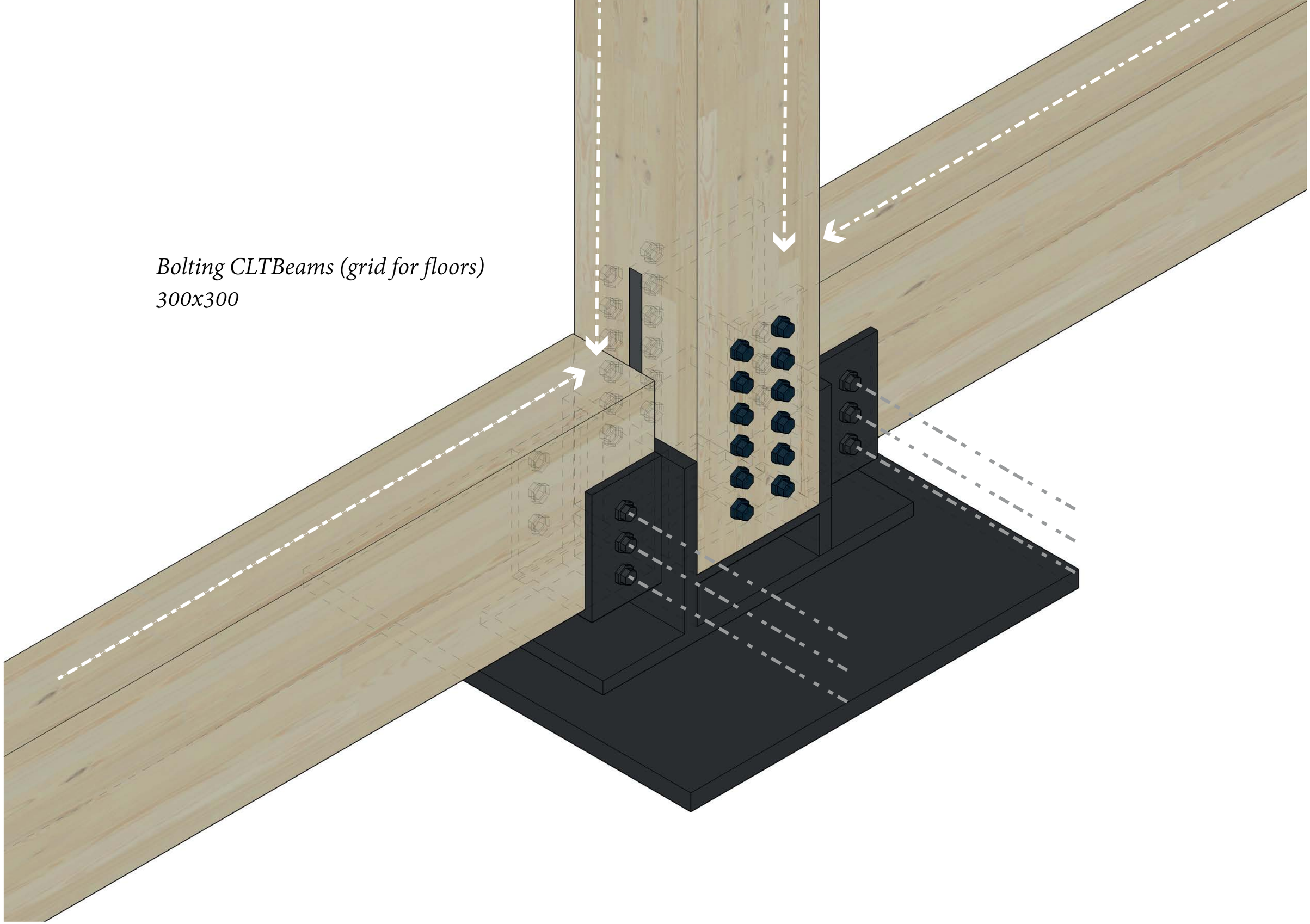
0 3000 6000

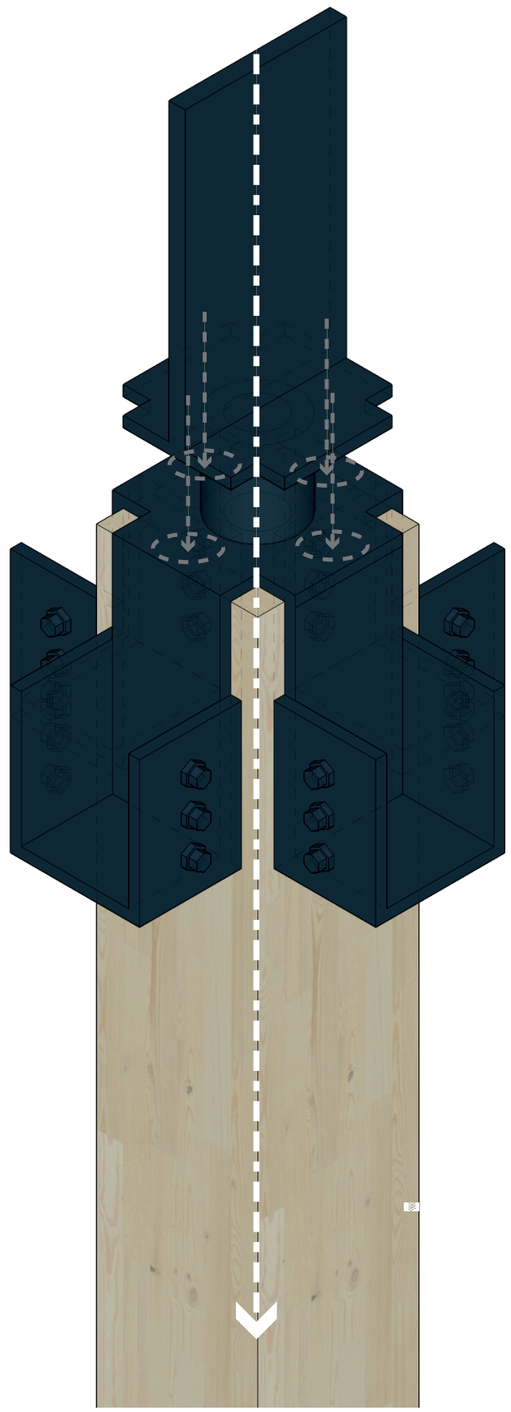

Connection to Goods Yard deck
Glue anchors + rods

*Bolting GluLam Columns*
*300x300*



*Bolting CLTBeams (grid for floors)*
*300x300*

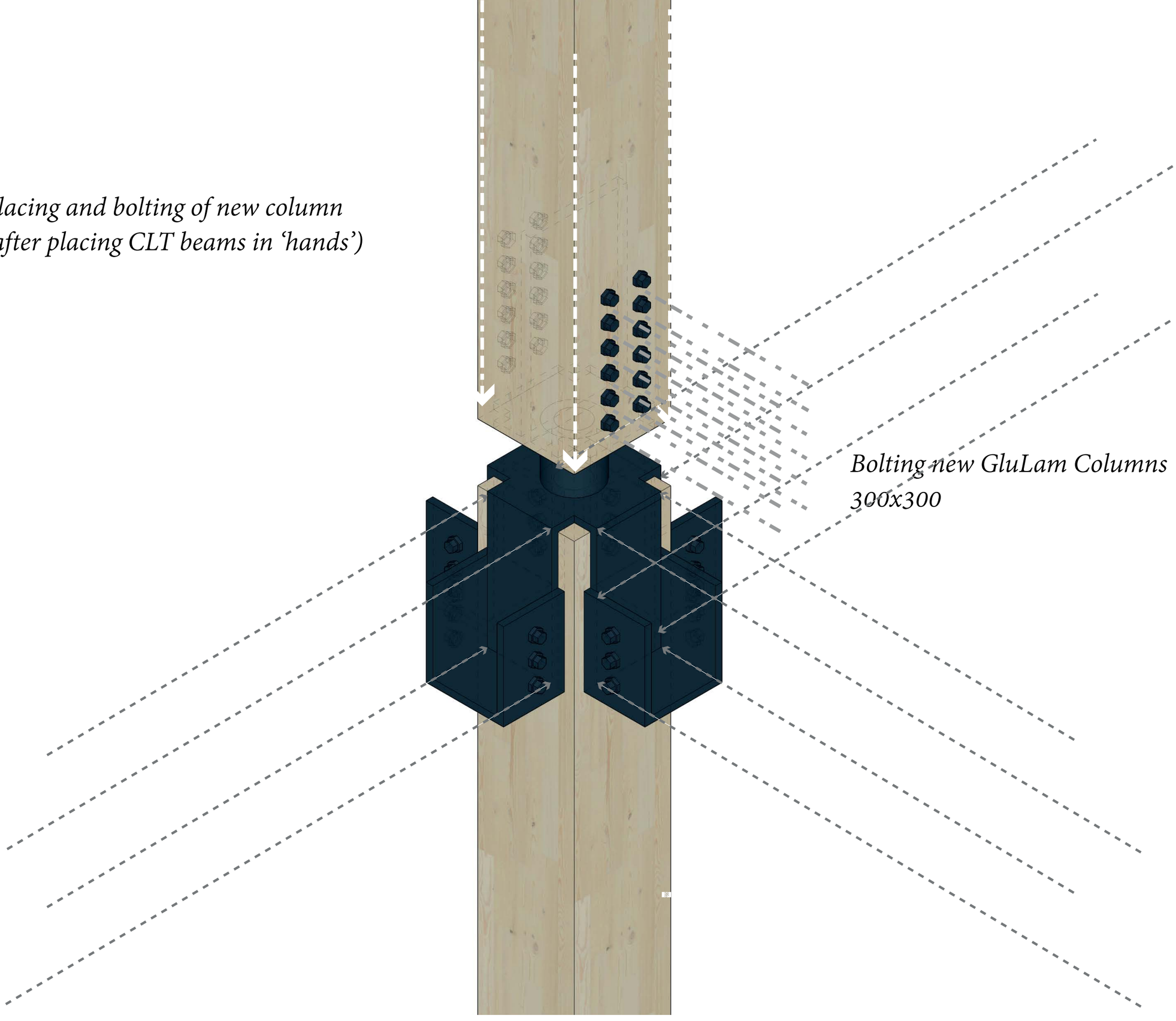




*Placing of 'hands' on top of GluLam columns*

*Bolting on column*

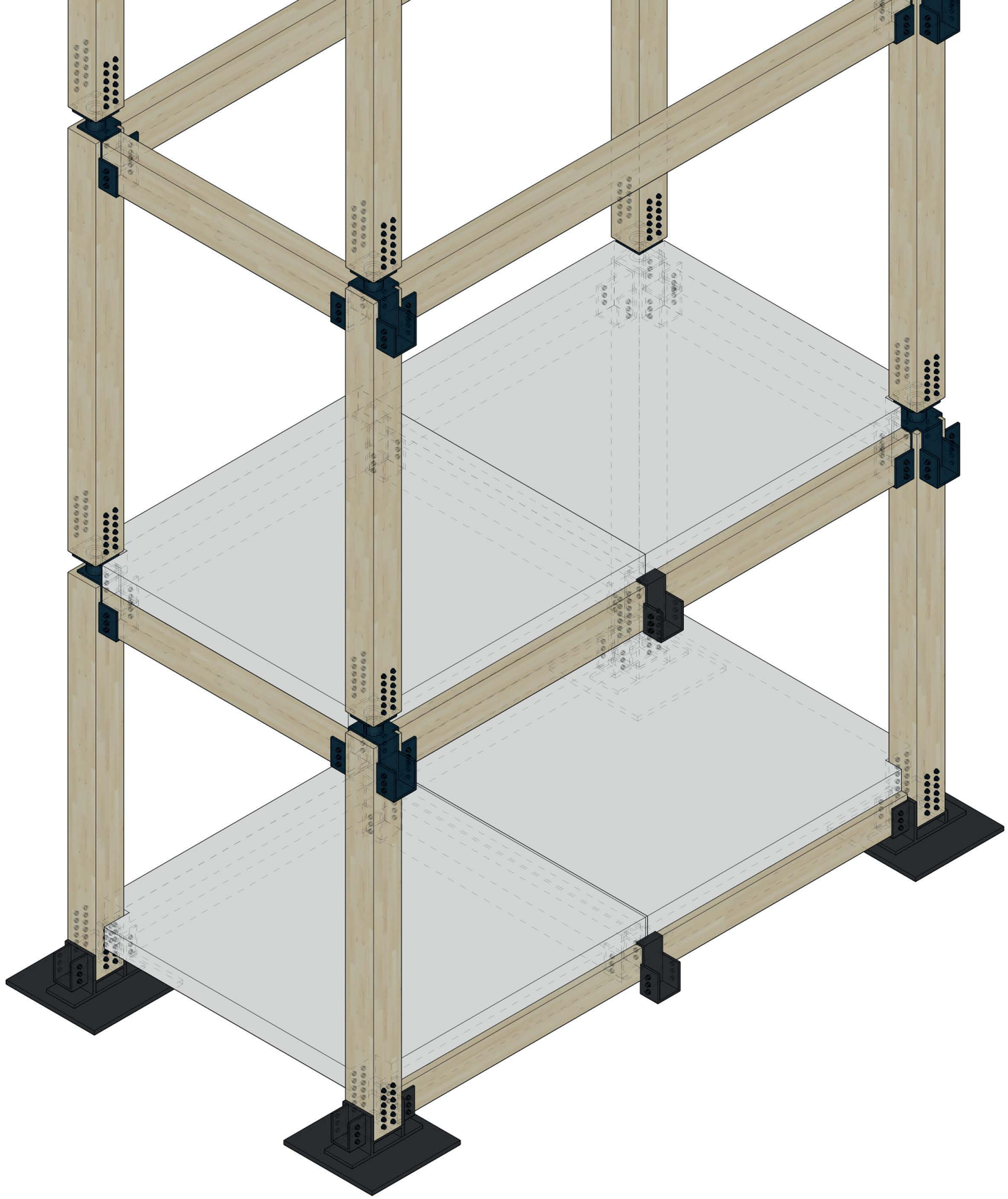
*Placing and bolting of new column*
*(after placing CLT beams in 'hands')*



*General structural concept*

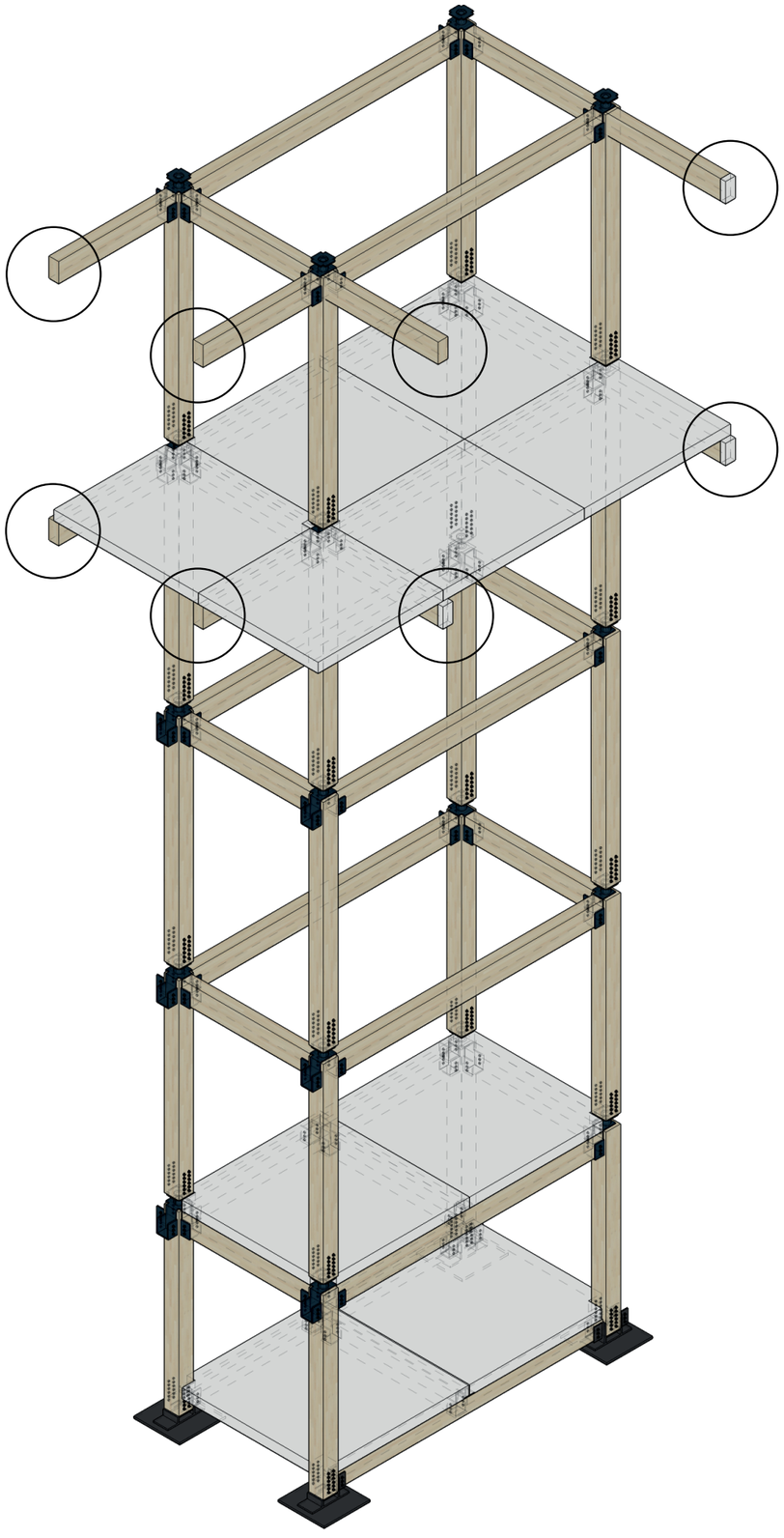
*Placing cross beams*





*Placement of CLT Floors*

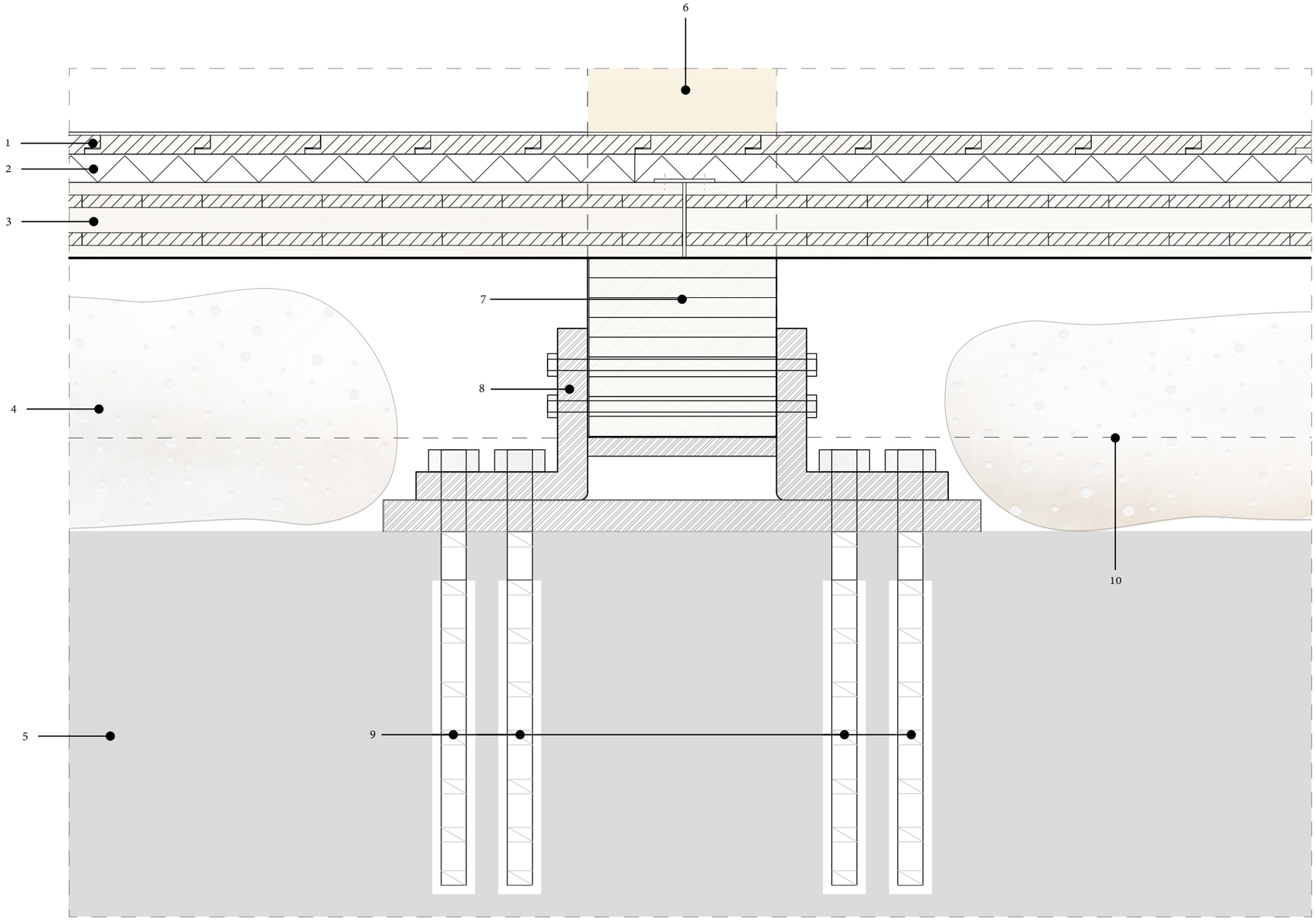
*Portruding floors of upper floor*



*Termal breaks (connection points second facade or sun shading)*

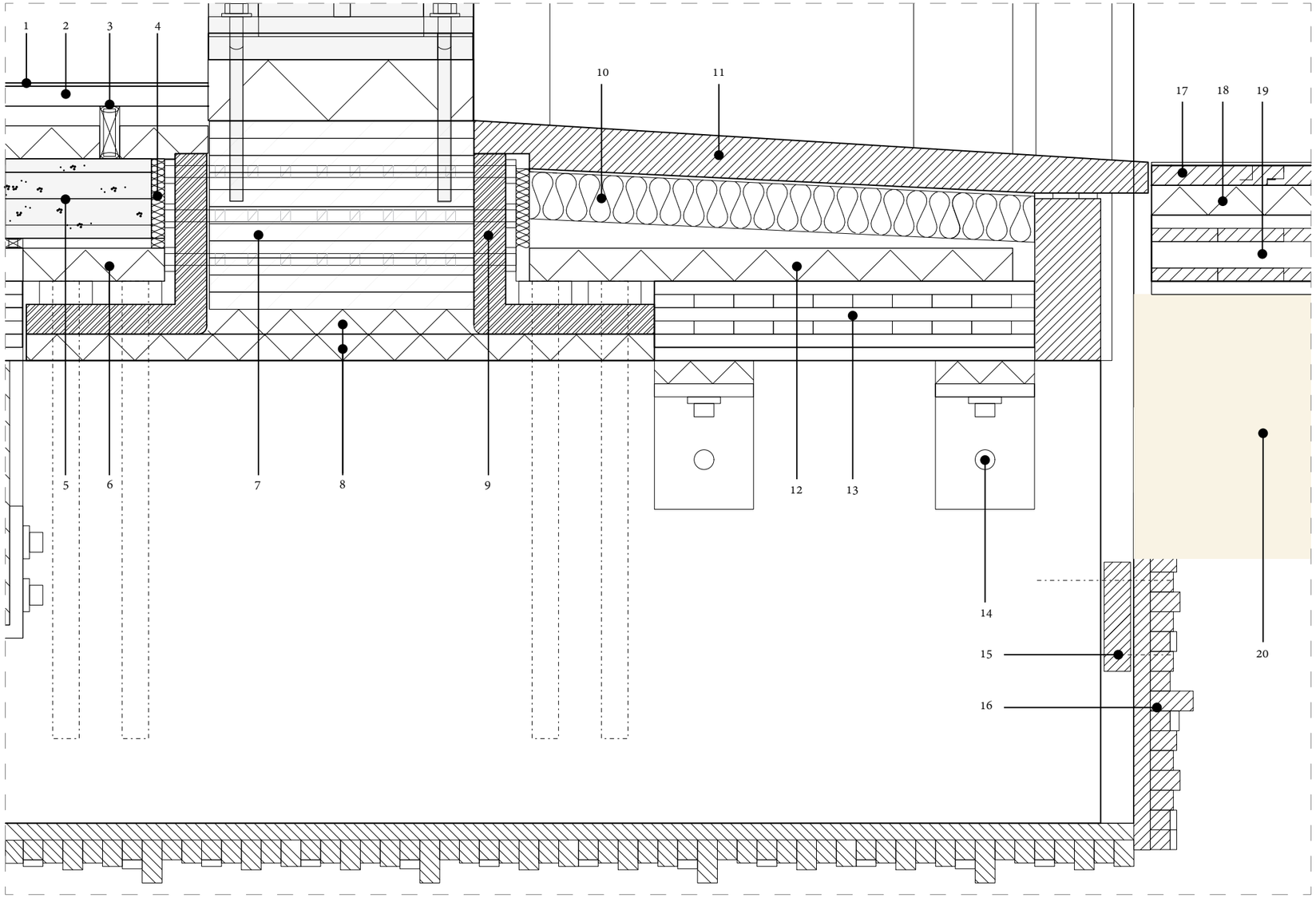







1. Oak flooring boards (30mm) + Anti slip coating and protection layer (3mm)
2. Acoustic insulation foam (CF solid foam) (40mm)
3. CLT Floor (120mm)
4. Bags of sand for mass and ‘passive’ acoustic qualities
5. Existing brick structure Goods Yard
6. CLT Column (300x300mm)
7. CLT Beam (300x300mm)
8. Steel ground fixation elements with plateau on 150 mm (mold & water damage prevention)
9. Metal bolts (glue anchors 400mm into brick surface)
10. Bags of sand for mass and ‘passive’ acoustic qualities

0 100




1. Anti slip coating and protection layer (3mm)
2. Oak flooring boards (30mm)
3. ACC 3080 Acoustic Floating Floor Dampers
4. Acoustic seal strip (soundaboard)
5. Assembly of solid gypsum boards (140 mm total thickness)
6. Isolated outer box acoutic slab (50 mm)
7. CLT Beam (400x285mm)
8. Anti slip mat acoutic construction damper
9. Steel fixator profiles (20mm)
10. Dense fibreglass acoustic insulation
11. Timber treshold profile (60mm) fabric faced acoutic lining
12. Isolated outer box slab (soundbreaker ACC) (50mm)
13. CLT Floor (120mm)
14. Steel anchors + sound damper mat
15. Timber slatting (20mm/20mm) for fixation outer box finish
16. Timber insulation/acoustic diffuser (reusing construction wood)
17. Oak flooring boards (30mm) + Anti slip coating and protection layer (3mm)
18. Acoustic insulation foam (CF solid foam) (40mm)
19. CLT Floor (120mm)
20. CLT Beam (400x200mm)

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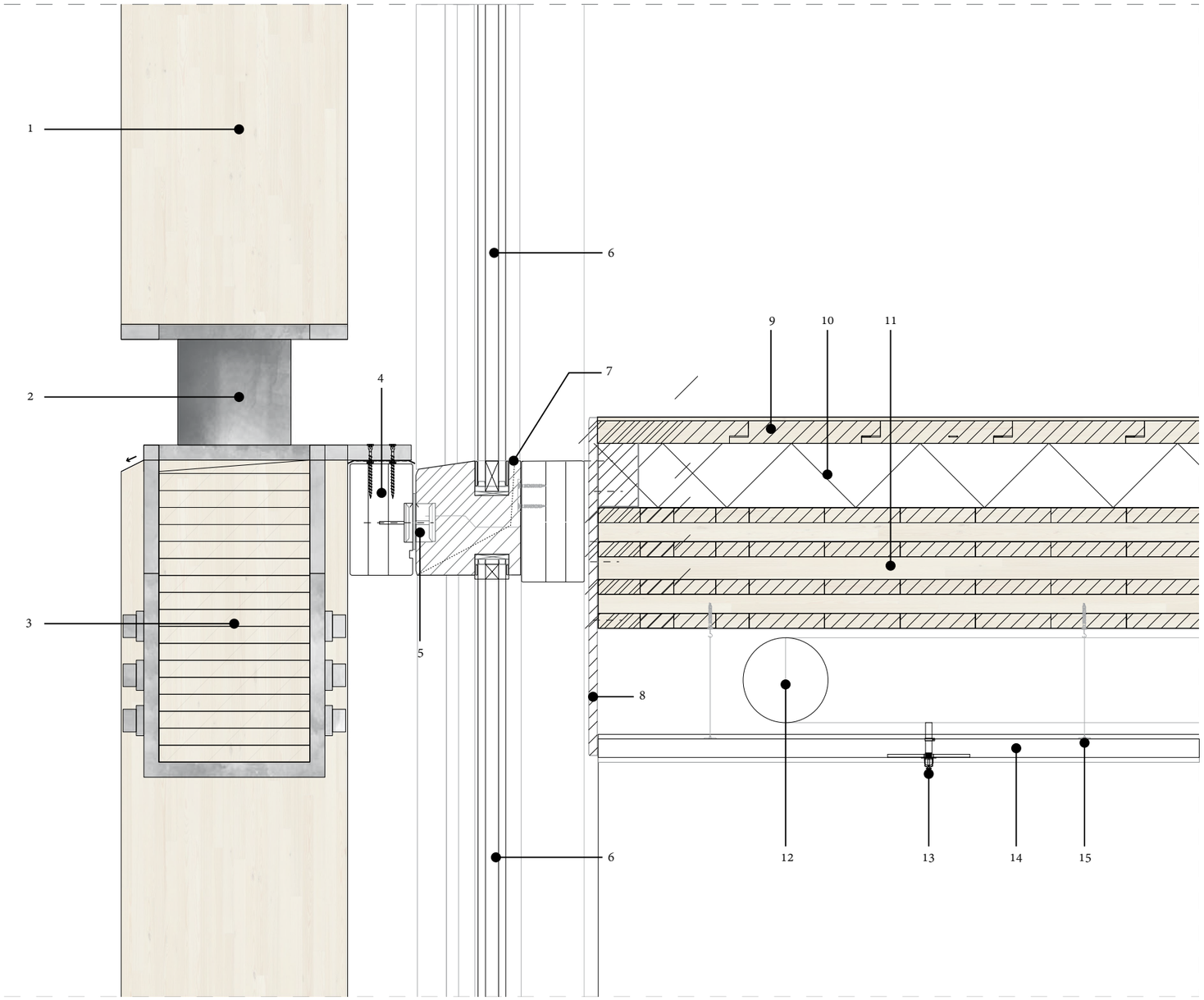
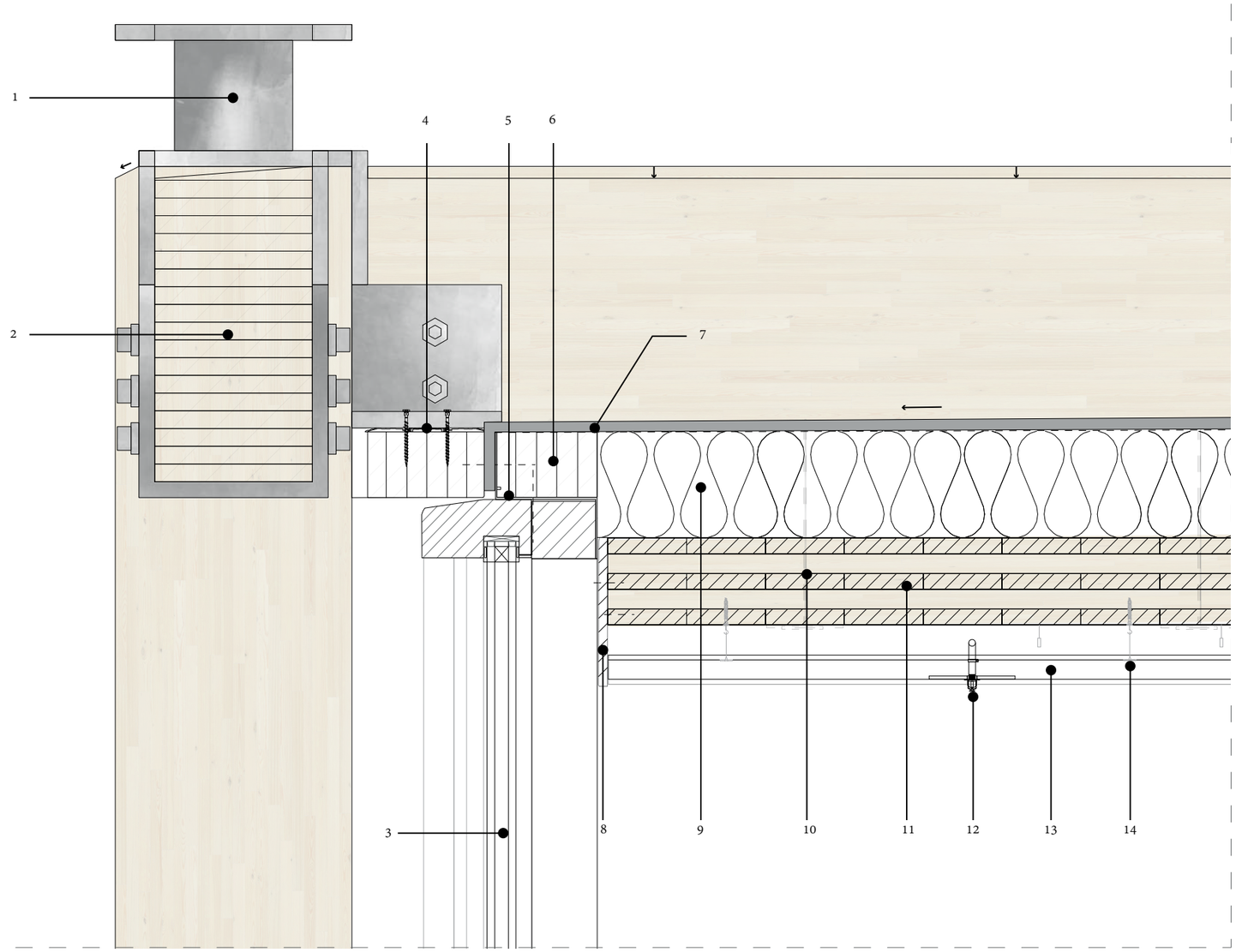
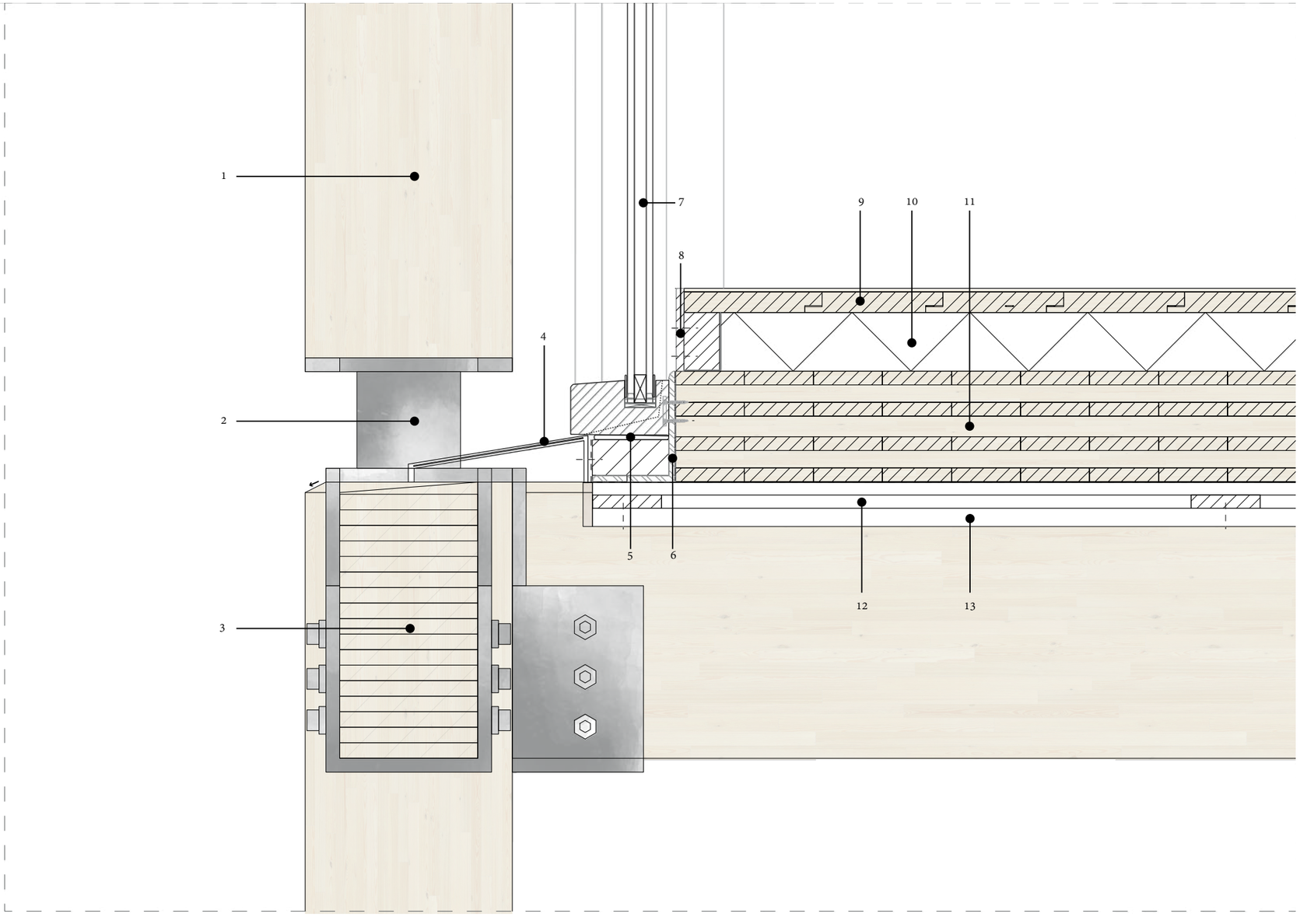


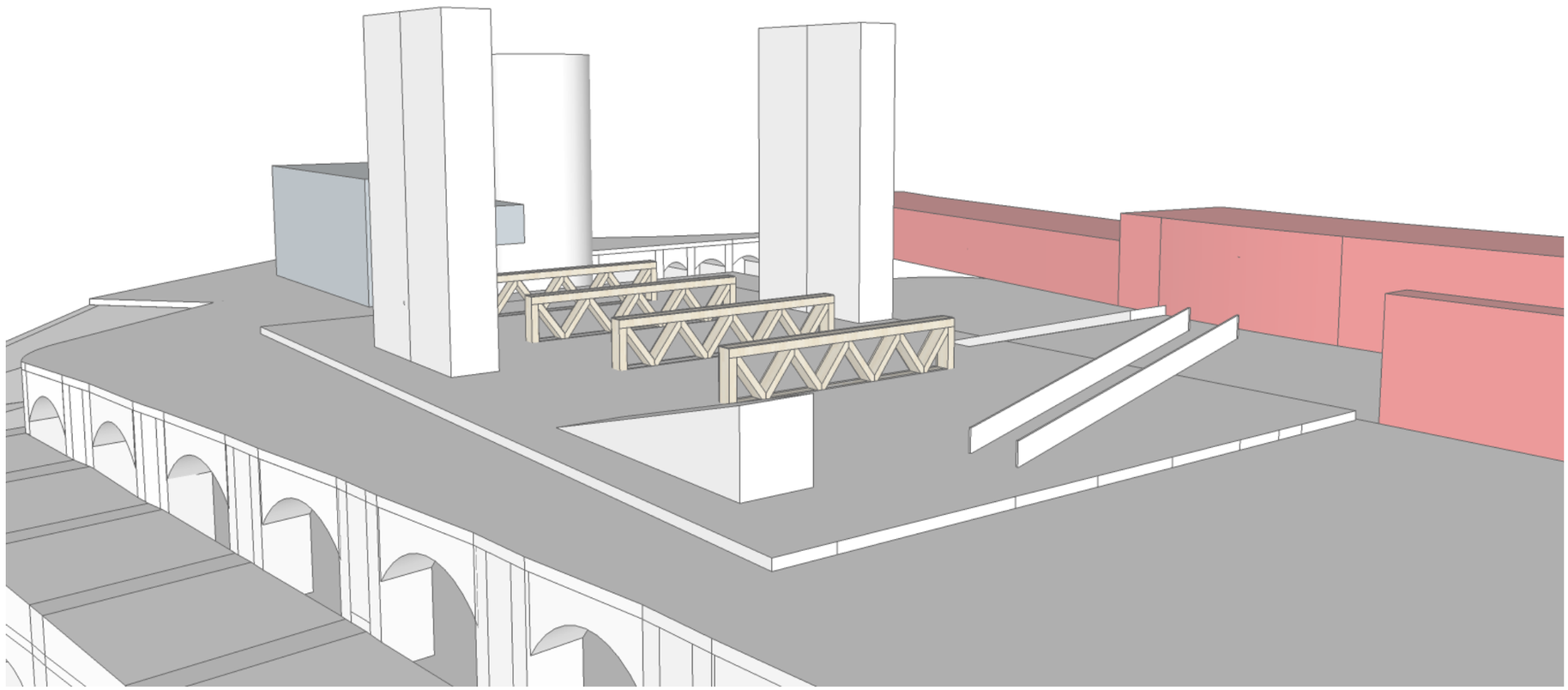

1. CLT Column + coating (300x300mm)
2. Steel connection elements, fixation CLT columns and beams + fire proofing coating
3. CLT Beam (400x200mm)
4. Zinc window sill element
5. Weep hole opening + lock
6. Steel bracket profile fpo fixating lower window frame element
7. THERM + double glazing, timber window frames (head size, 90mm)
8. Timber covering plate
9. Oak flooring boards (30mm) + Anti slip coating and protection layer (3mm)
10. Acoustic insulation foam (CF solid foam) (85mm)
11. CLT Floor (160mm)
12. Timber slatting (20mm/20mm) for fixation ceiling elements
13. Impregnated oak ceiling boards (26mm)

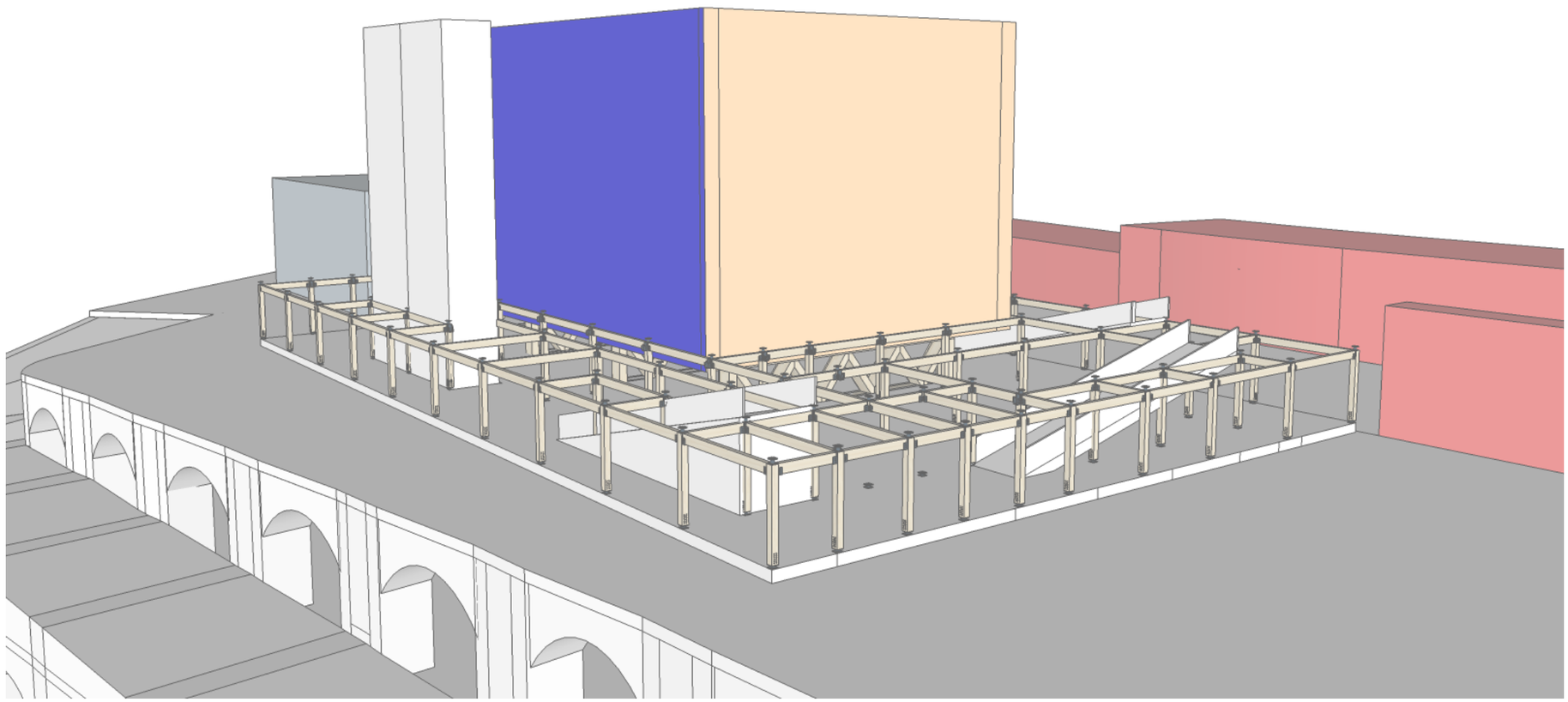


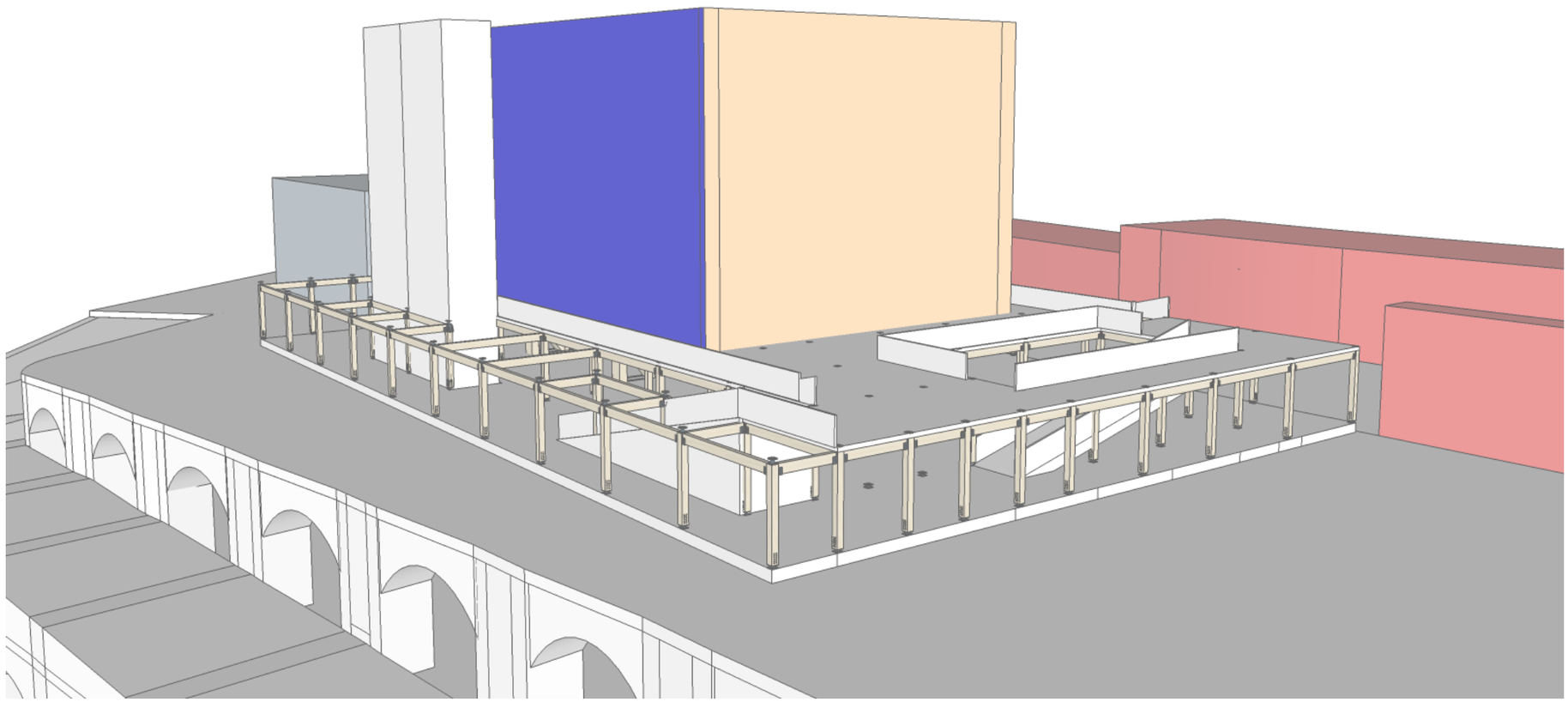

1. CLT Column + coating (300x300mm)
2. Steel connection elements, fixation CLT columns and beams + fire proofing coating. Short extention on interior side for fixating and covering facade profile
3. CLT Beam (400x200mm)
4. Studs for fixation facade elements. Hanging from extruding part of steel connection element + plastic covering profile preventing water intrusion
5. Steel sliding profile, integrated in main window fame element + weep hole and lock
6. THERM + double glazing, timber window frames (head size, 90mm)
7. Line integrated weep hole window frame
8. Timber covering plate
9. Oak flooring boards (30mm) + Anti slip coating and protection layer (3mm)
10. Acoustic insulation foam (CF solid foam) (85mm)
11. CLT Floor (160mm)
12. Ventilation shaft
13. Sprinkler head, integrated in ceiling system
14. Floating gypsum ceiling (40mm)
15. Anchors for fixating gypsum ceiling elements

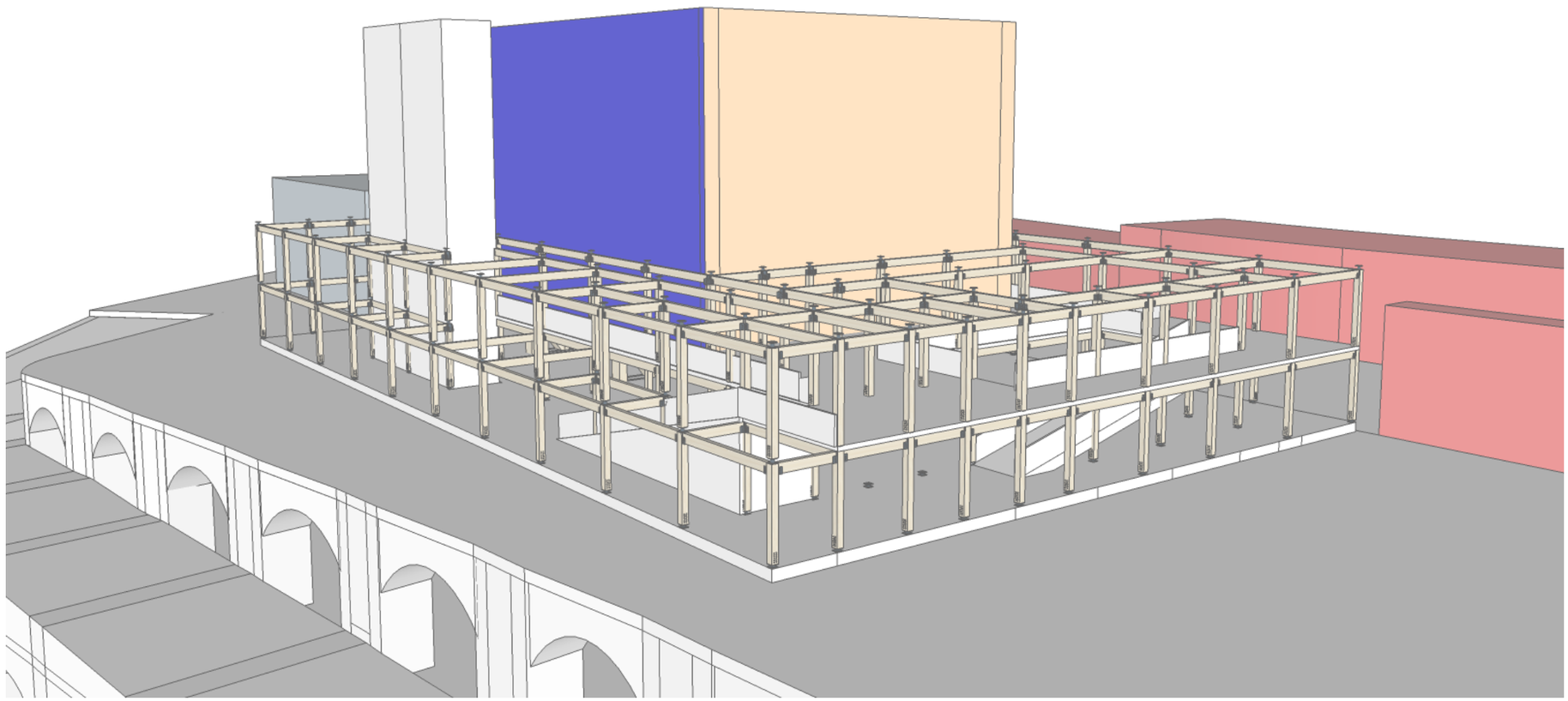
1. Steel connection elements, fixation CLT columns and beams + fire proofing coating. Short extention on interior side of ‘hand’ for fixating and covering facade profile
2. CLT Beam (400x200mm)
3. THERM + double glazing, timber window frames (head size, 90mm)
4. Studs for fixation facade elements. Hanging from small ‘hand’ of steel connection element + plastic covering profile preventing water intrusion
5. Steel bracket profile fpo fixating upper window frame elements and stud
6. Inner studs (50x80mm)
7. Zinc profiles roof finish (fixated to middle CLT rib) + water proofing layer
8. Timber covering plate
9. Glass mineral wool insulation packages + timber studs (150mm)
10. Steel rods (6mm) for fixation CLT roof elements
11. CLT roof elements (100mm)
12. Sprinkler head, integrated in ceiling system
13. Floating gypsum ceiling (40mm)
14. Anchors for fixating gypsum ceiling elements

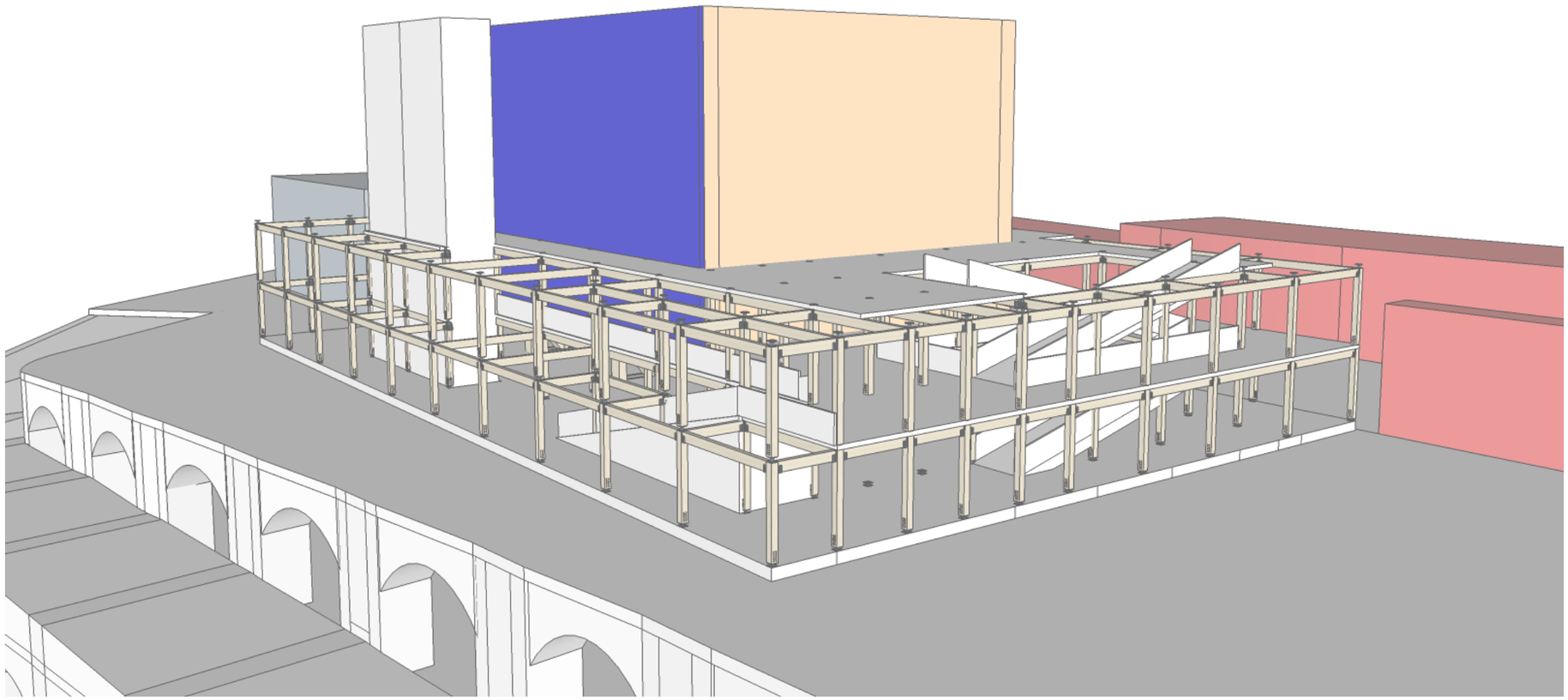


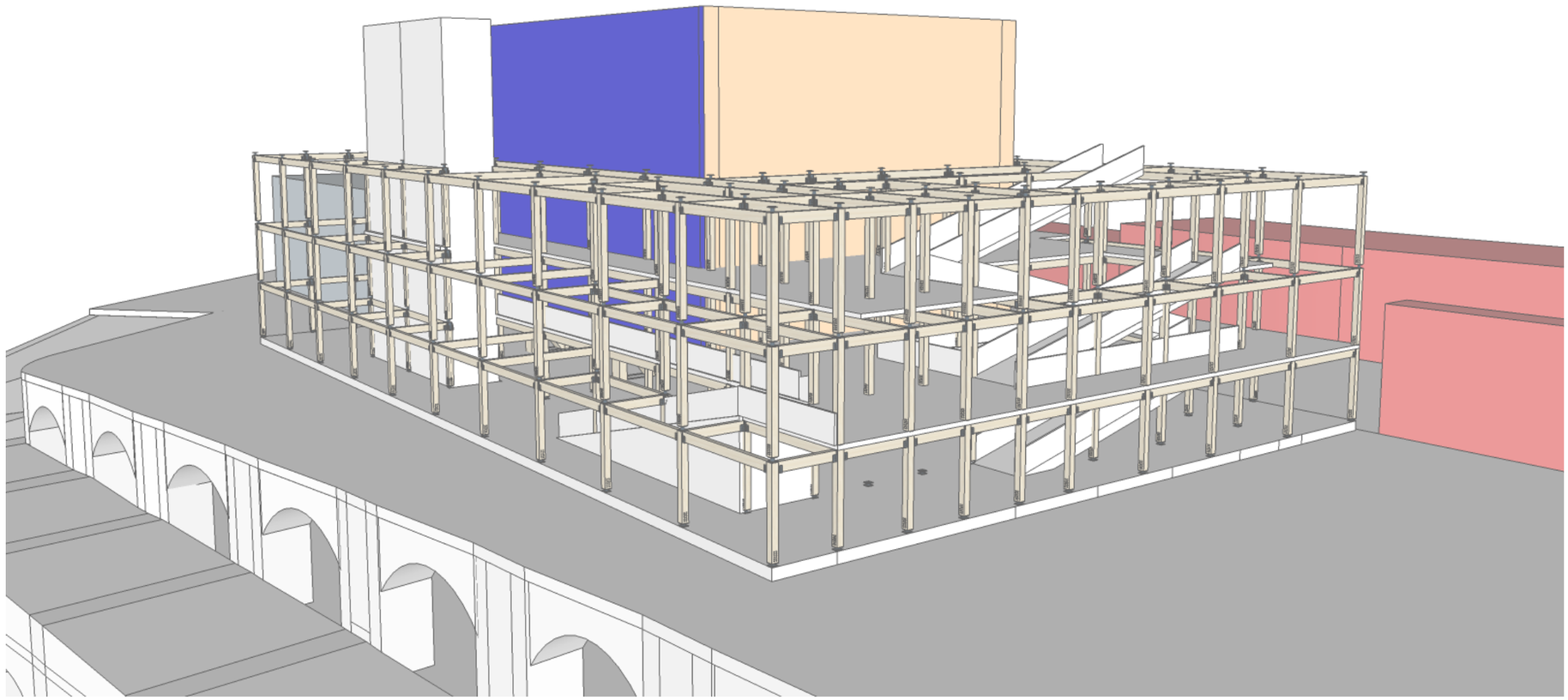


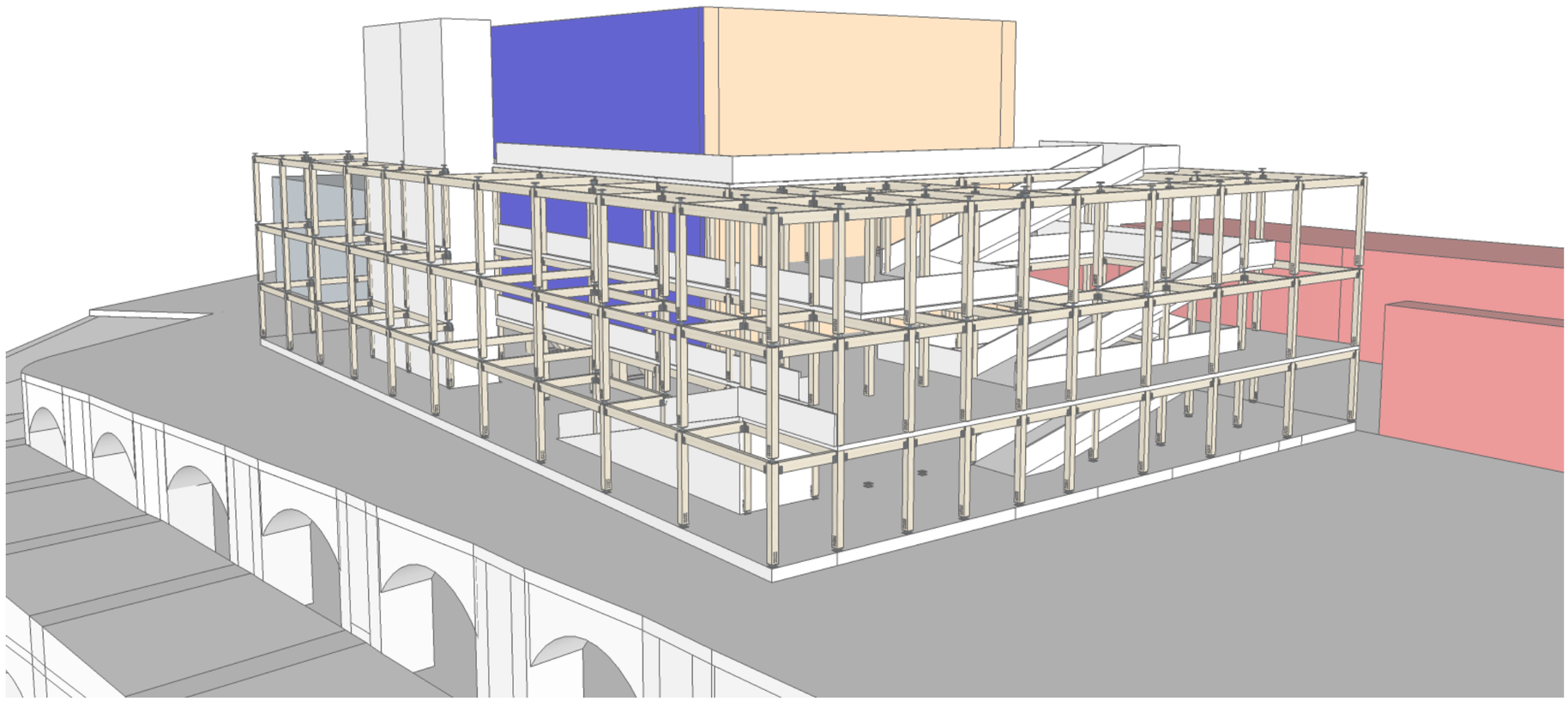


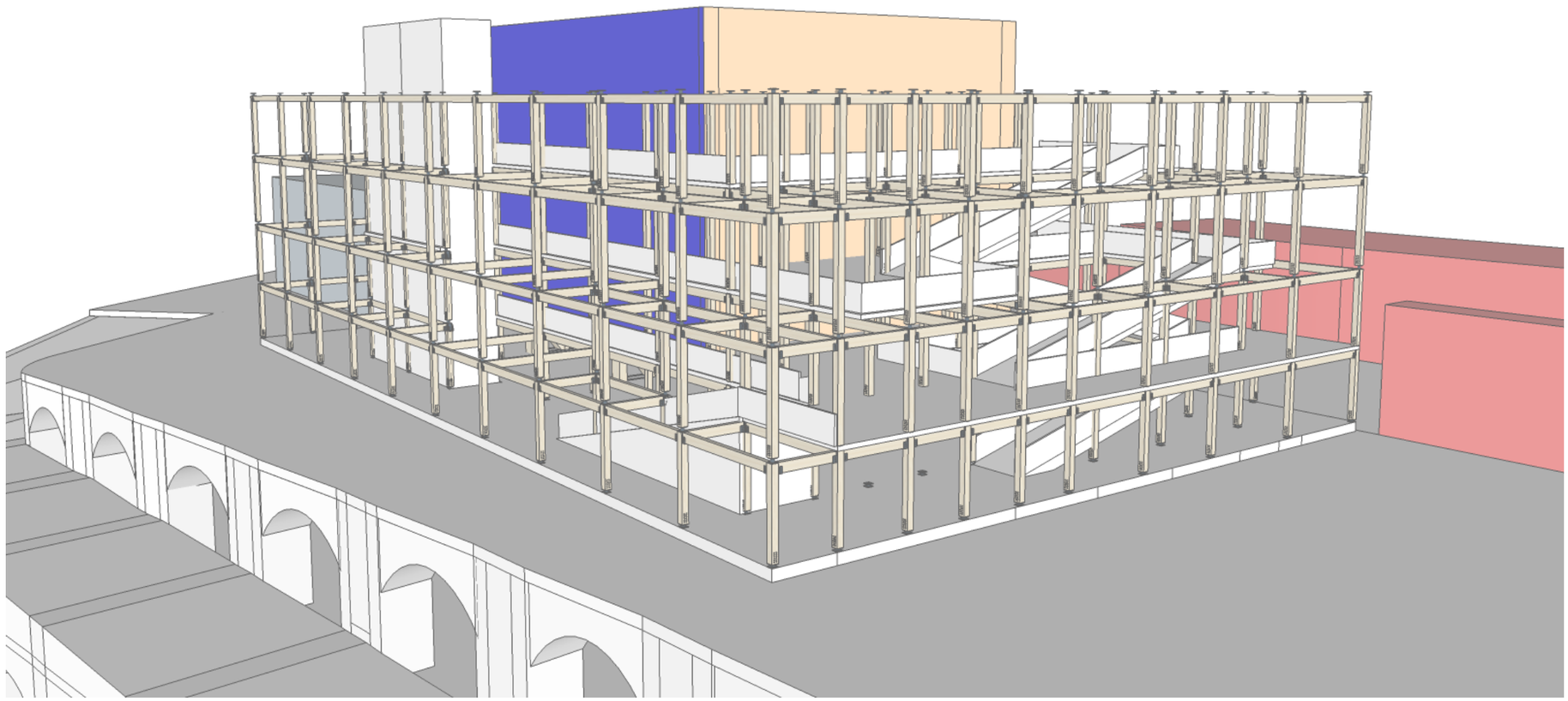


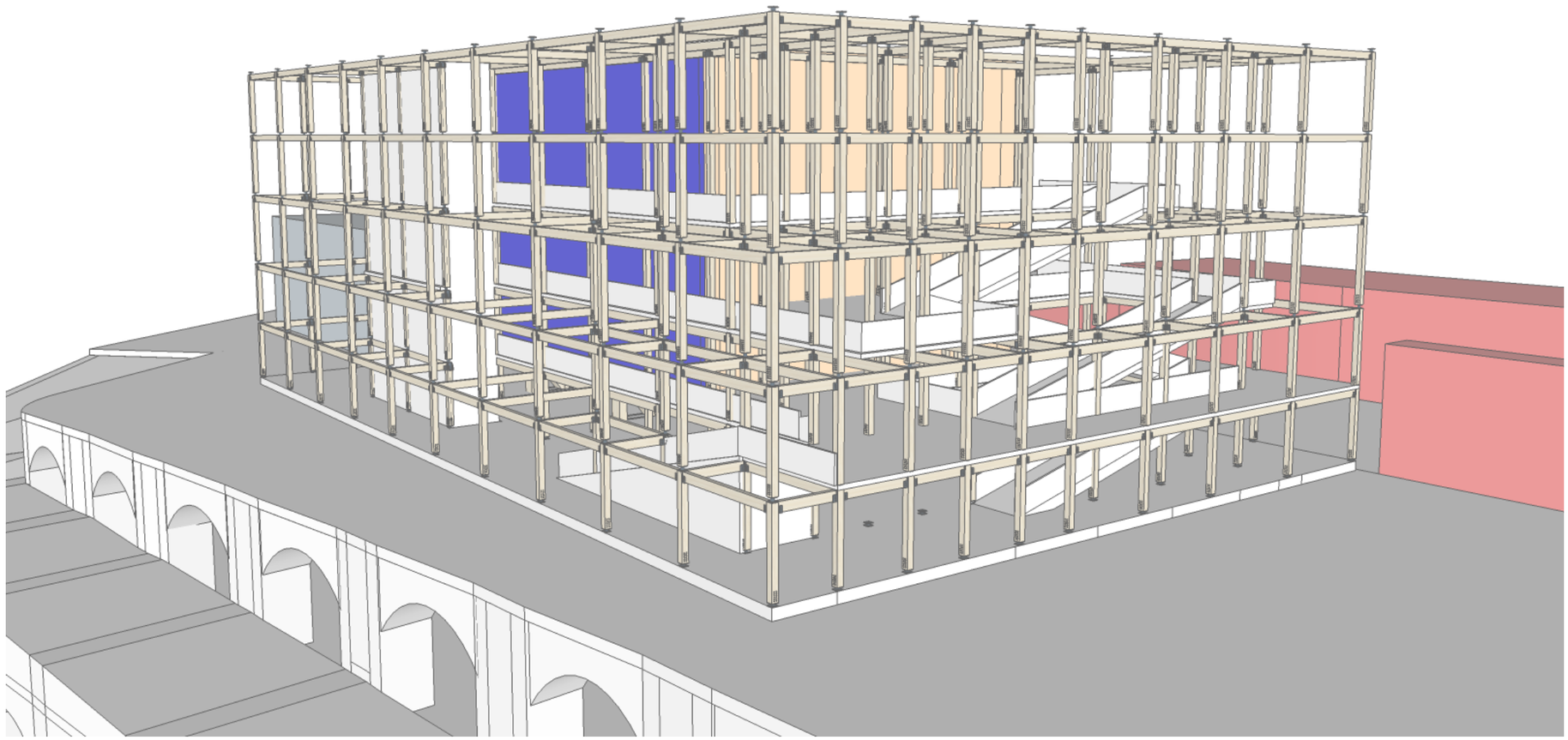


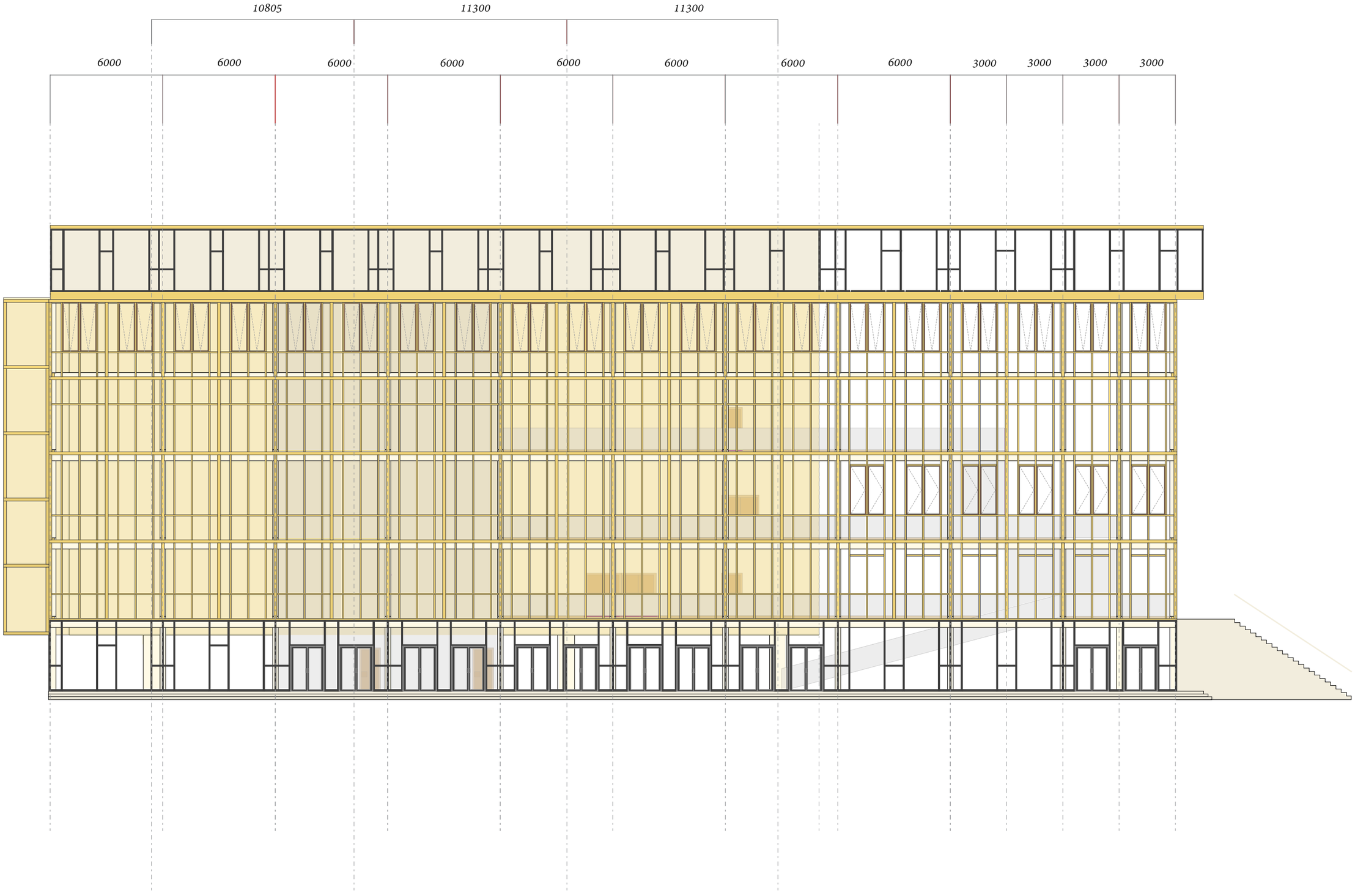








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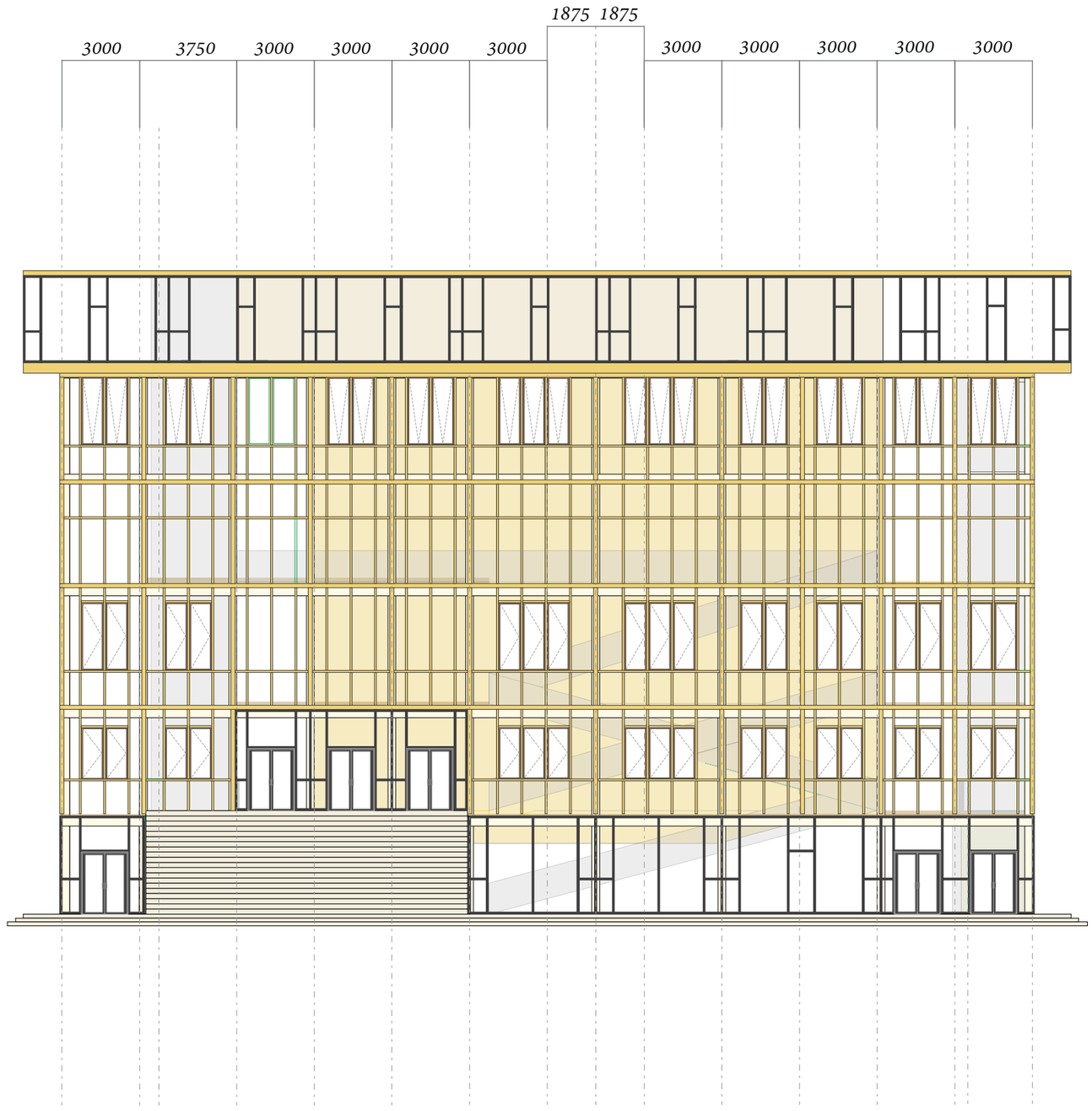
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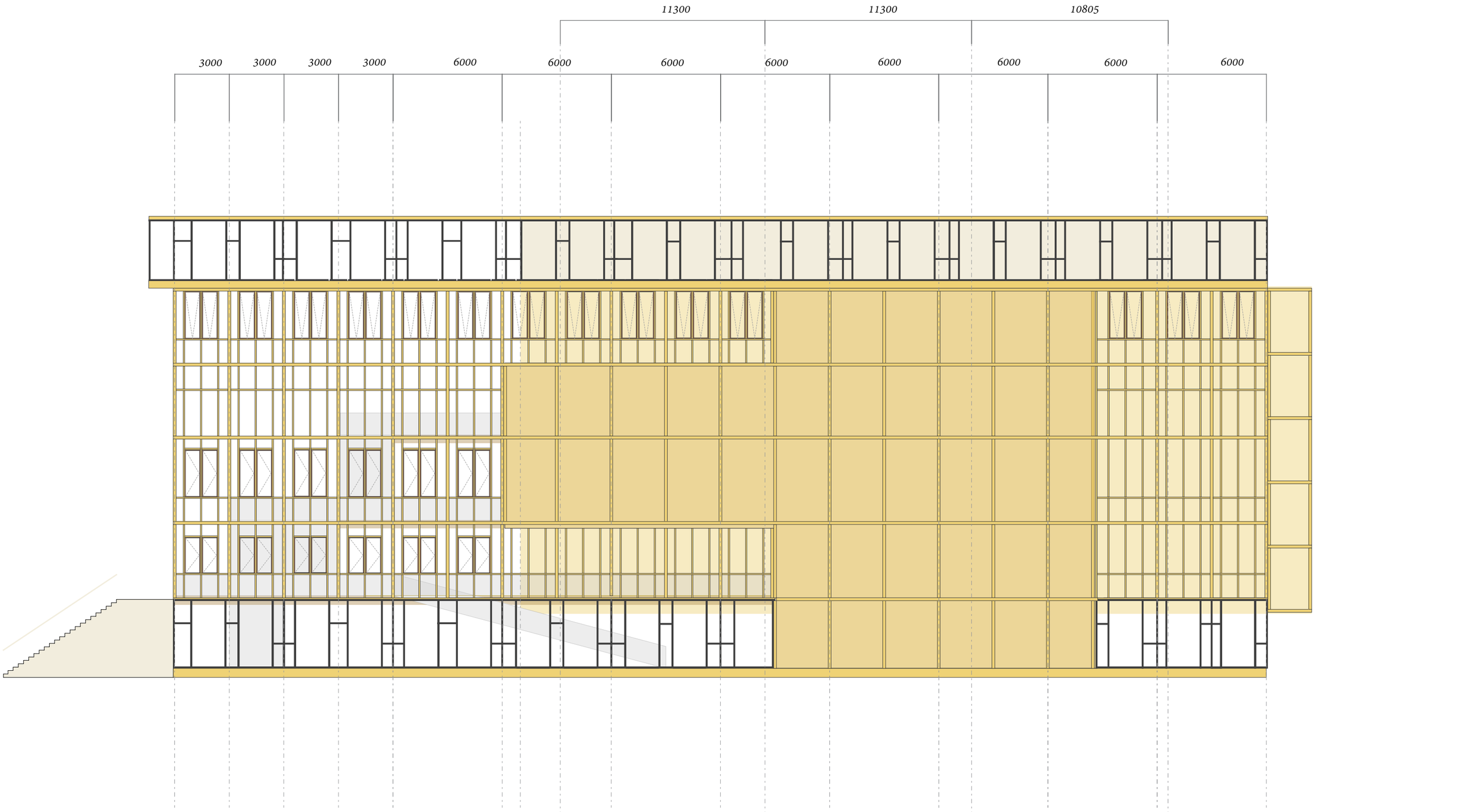
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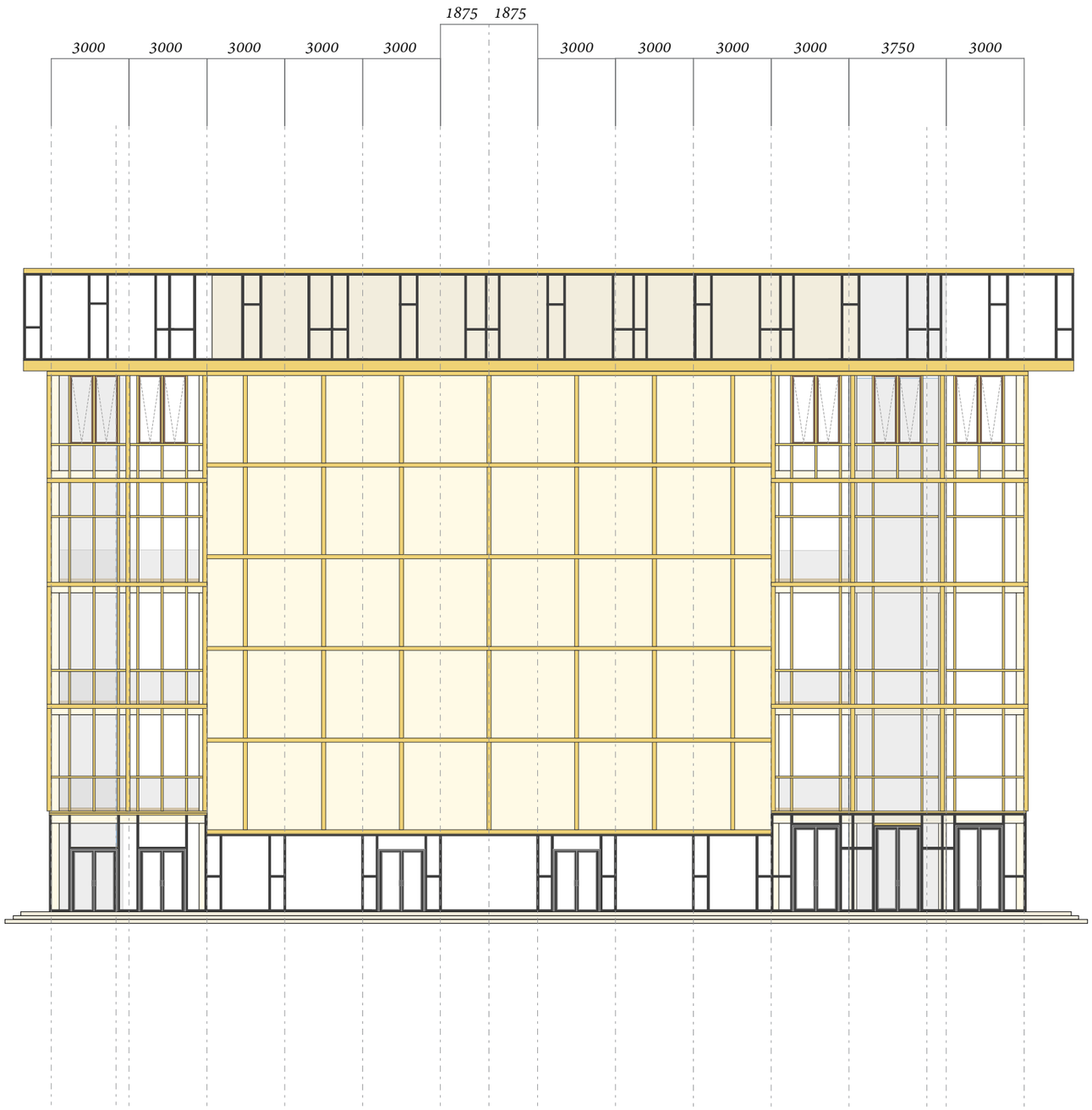
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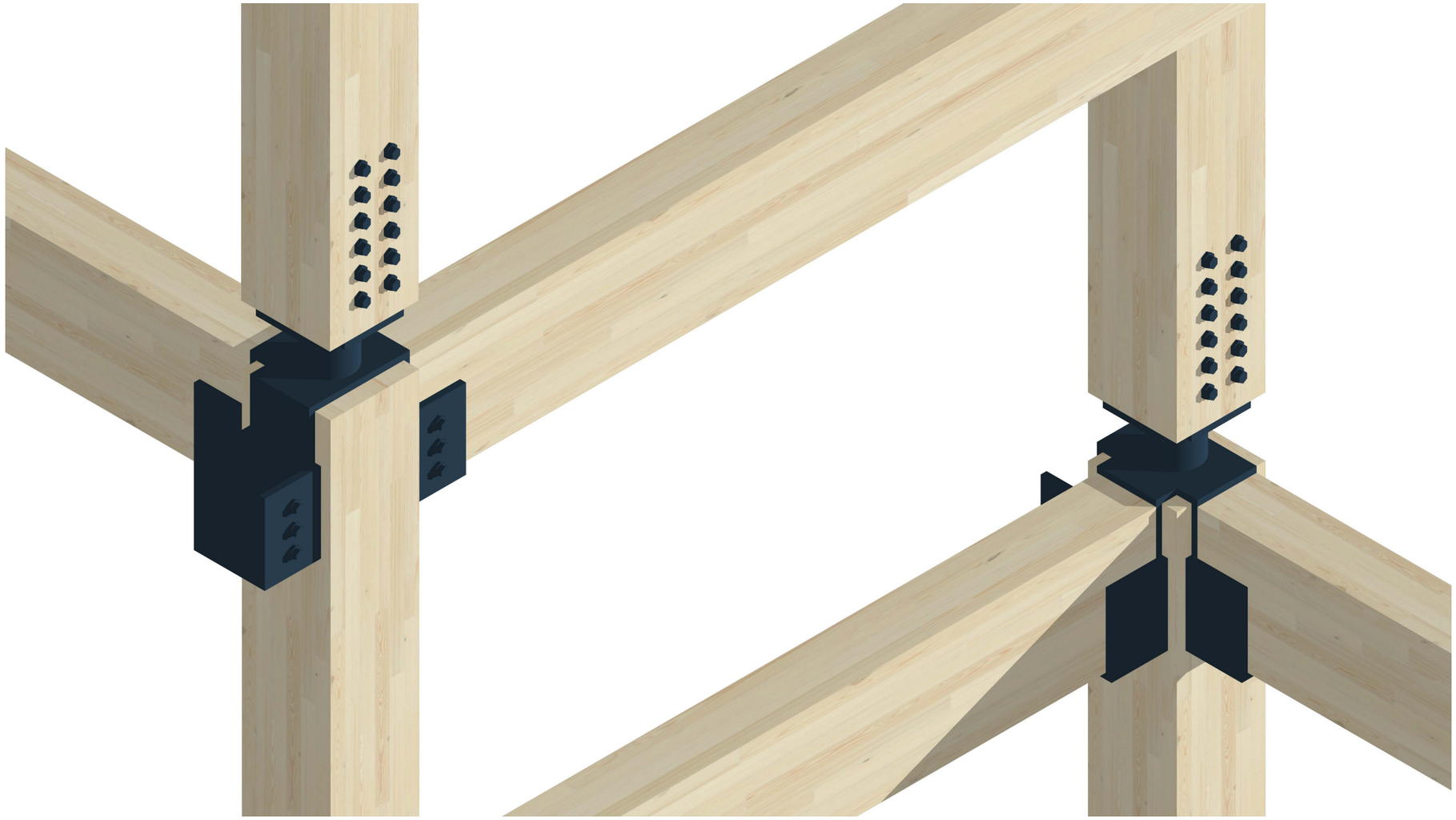
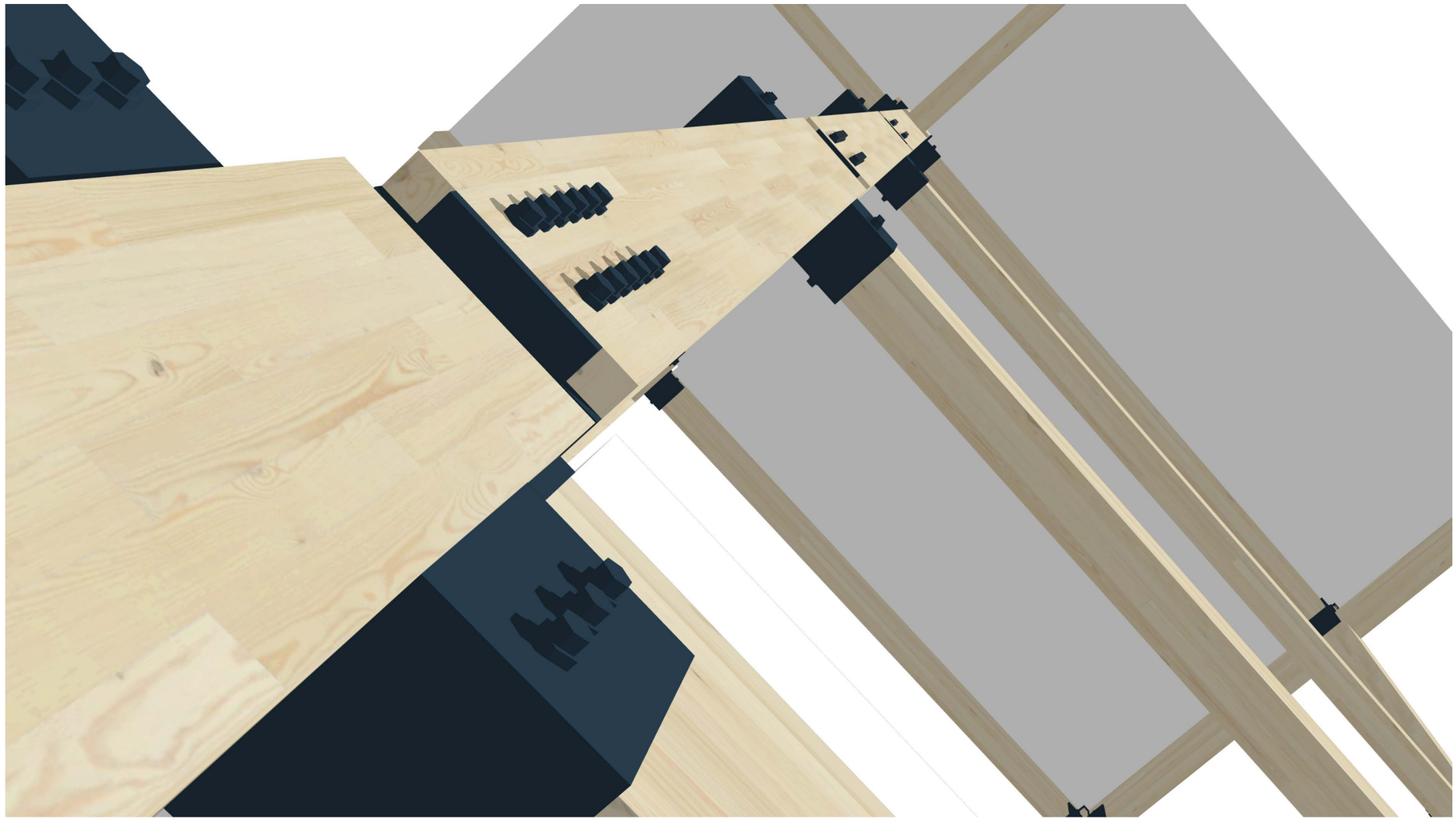
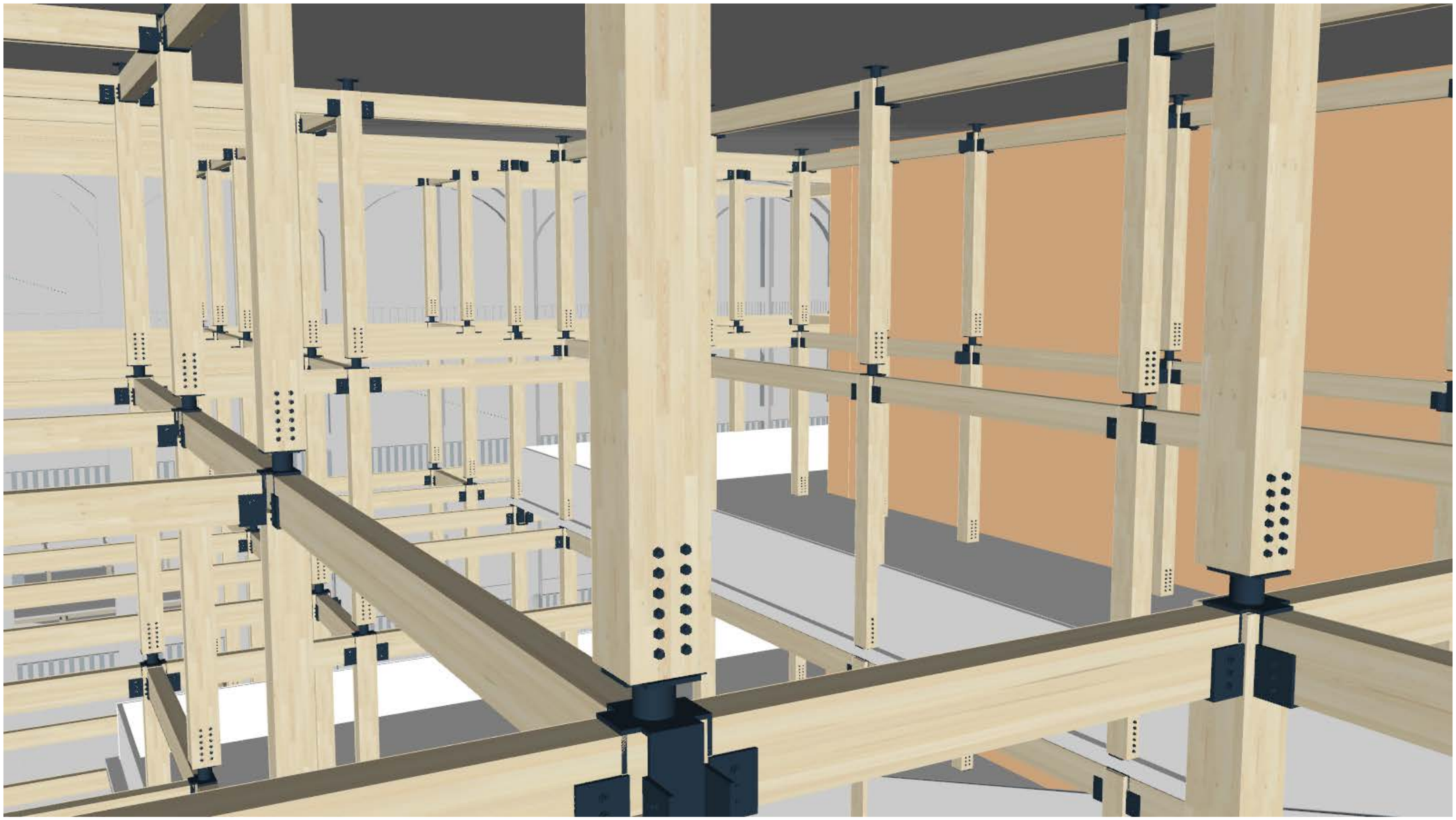
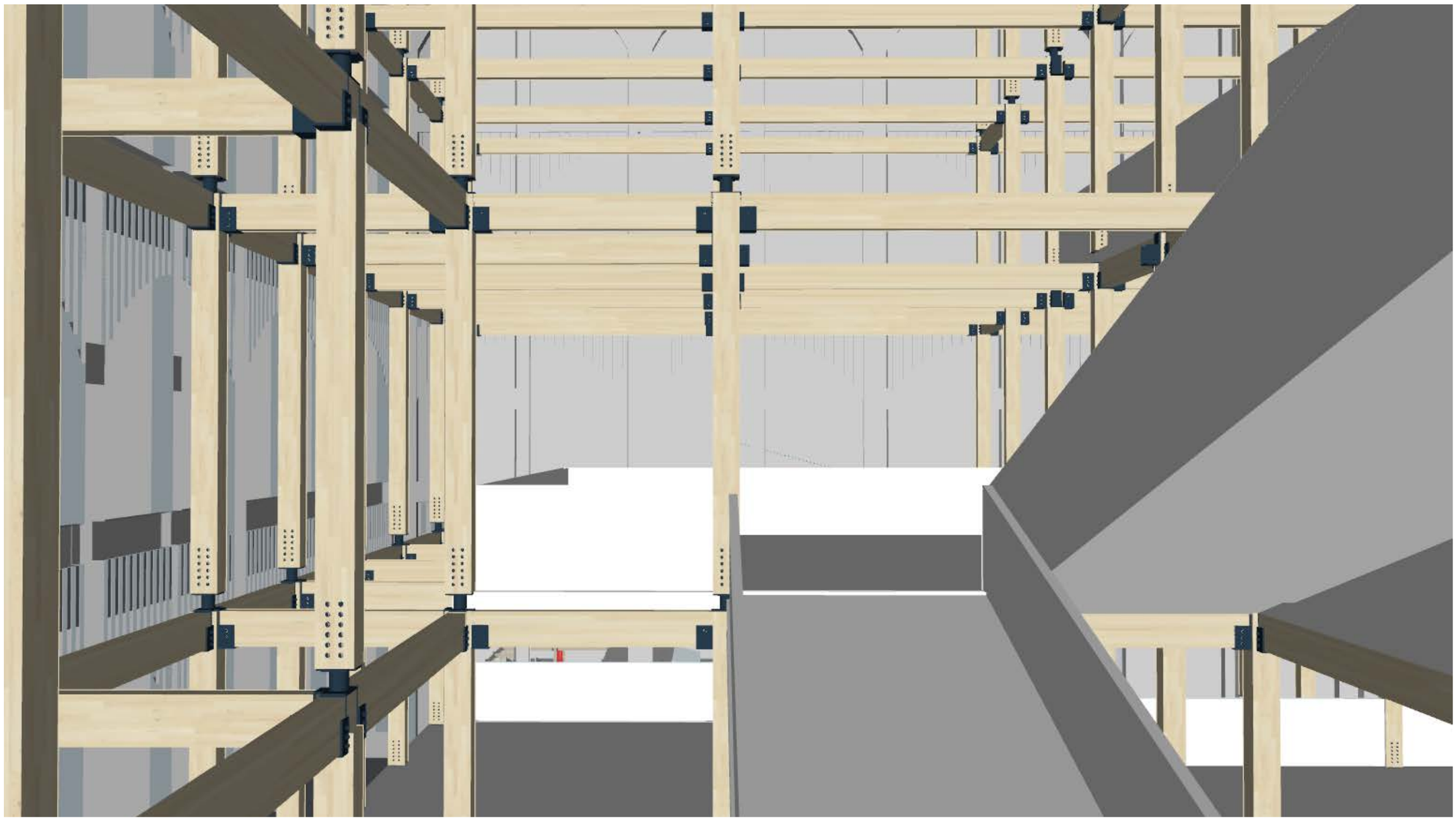






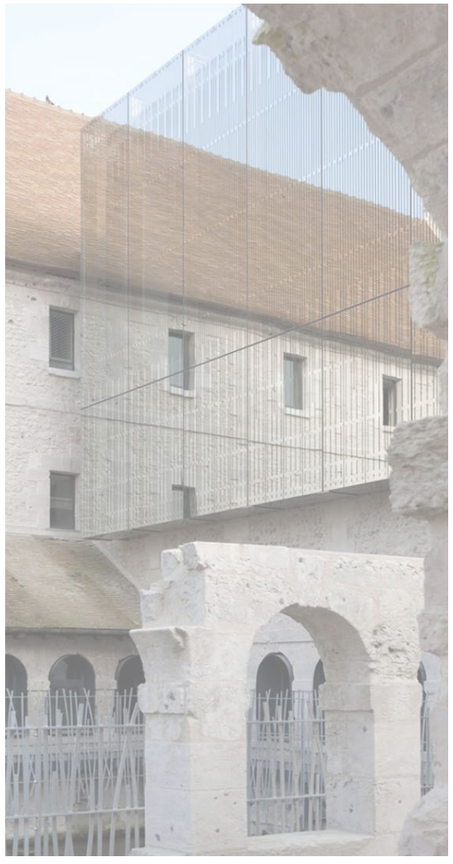


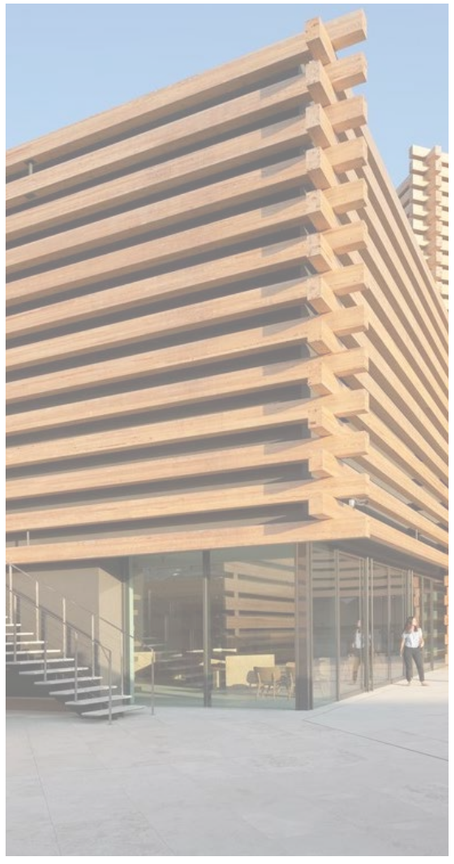


**Recycled Denim sound insulation**

*/ Acoustic ratings are 10 to 30% better than fiberglass*
*/ No VOC off-gassing or formaldehyde*
*/ Doesn't cause skin irritation or itching*
*/ Improved air quality*
*/ Resists mildew, fungi, bacteria, and mold*
*/ Lower energy consumption*
*/ Class A fire rating*

*/ 'Historical reference'*






*https://www.metalocus.es/en/news/music-school-louviers-renovation-opus-5-architectes, https://www.bdcnetwork.com/odunpazari-modern-art-museum-pays-homage-ottoman-empire-era-architecture*