



# **EXPRESS RAIL LINK PRESENTATION ON THE WEST KOWLOON TERMINUS**

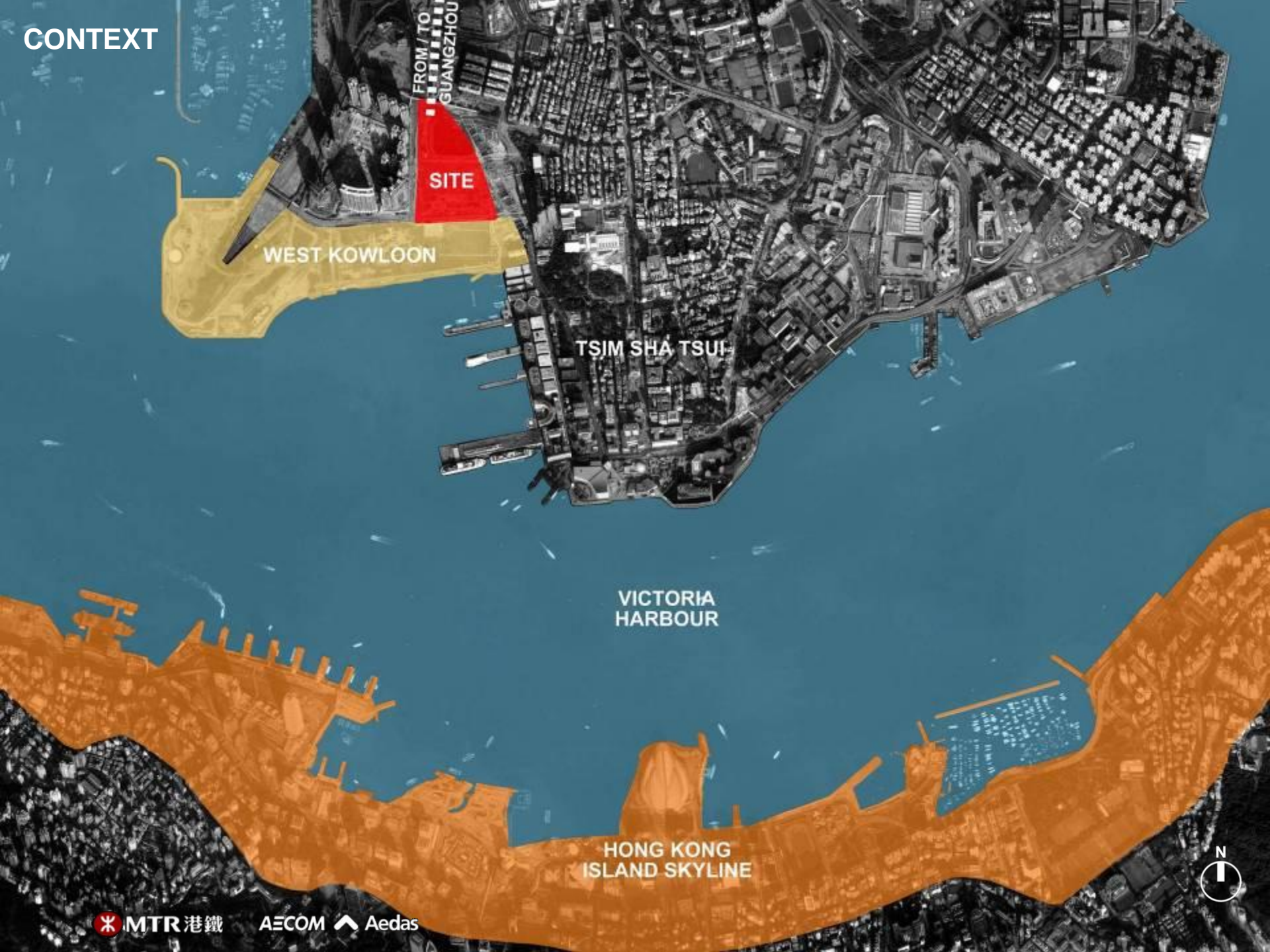
21 APRIL, 2011

# OVERVIEW

# TERMINUS STATION



# CONTEXT



FROM / TO  
GUANGZHOU

SITE

WEST KOWLOON

TSIM SHA TSUI

VICTORIA  
HARBOUR

HONG KONG  
ISLAND SKYLINE





NEW  
YAU MA TEI  
TYPHOON  
SHELTER

PUBLIC  
TRANSPORTATION  
INTERCHANGE  
(PTI)

KOWLOON  
STATION

SITE

FUTURE  
AUSTIN  
STATION

WESTERN  
HARBOUR  
TUNNEL

WEST KOWLOON  
CULTURAL DISTRICT  
(WKCD)

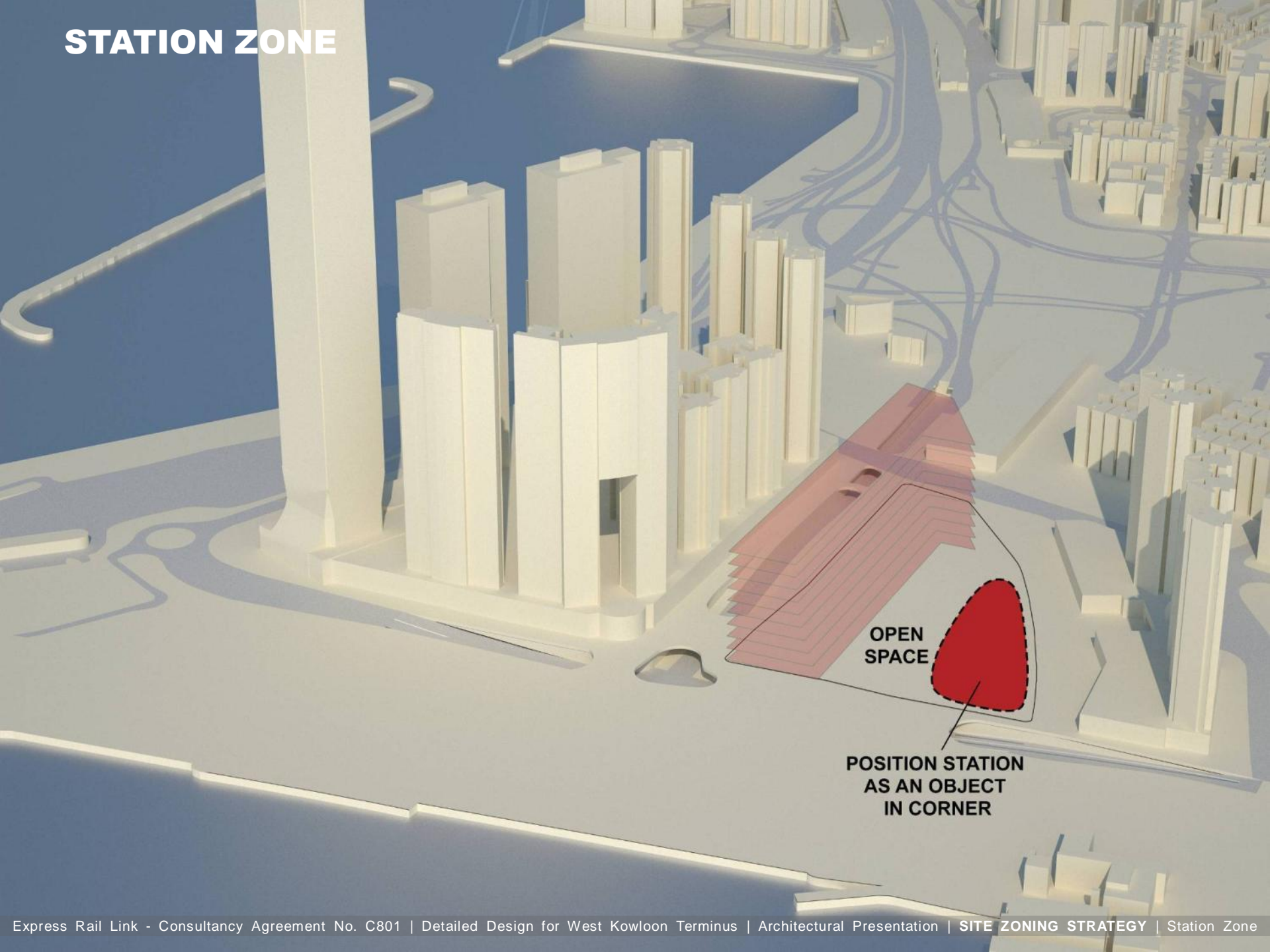
WKCD  
"HEADLAND"

VICTORIA  
HARBOUR

TSIM SHA TSUI



# STATION ZONE



OPEN  
SPACE

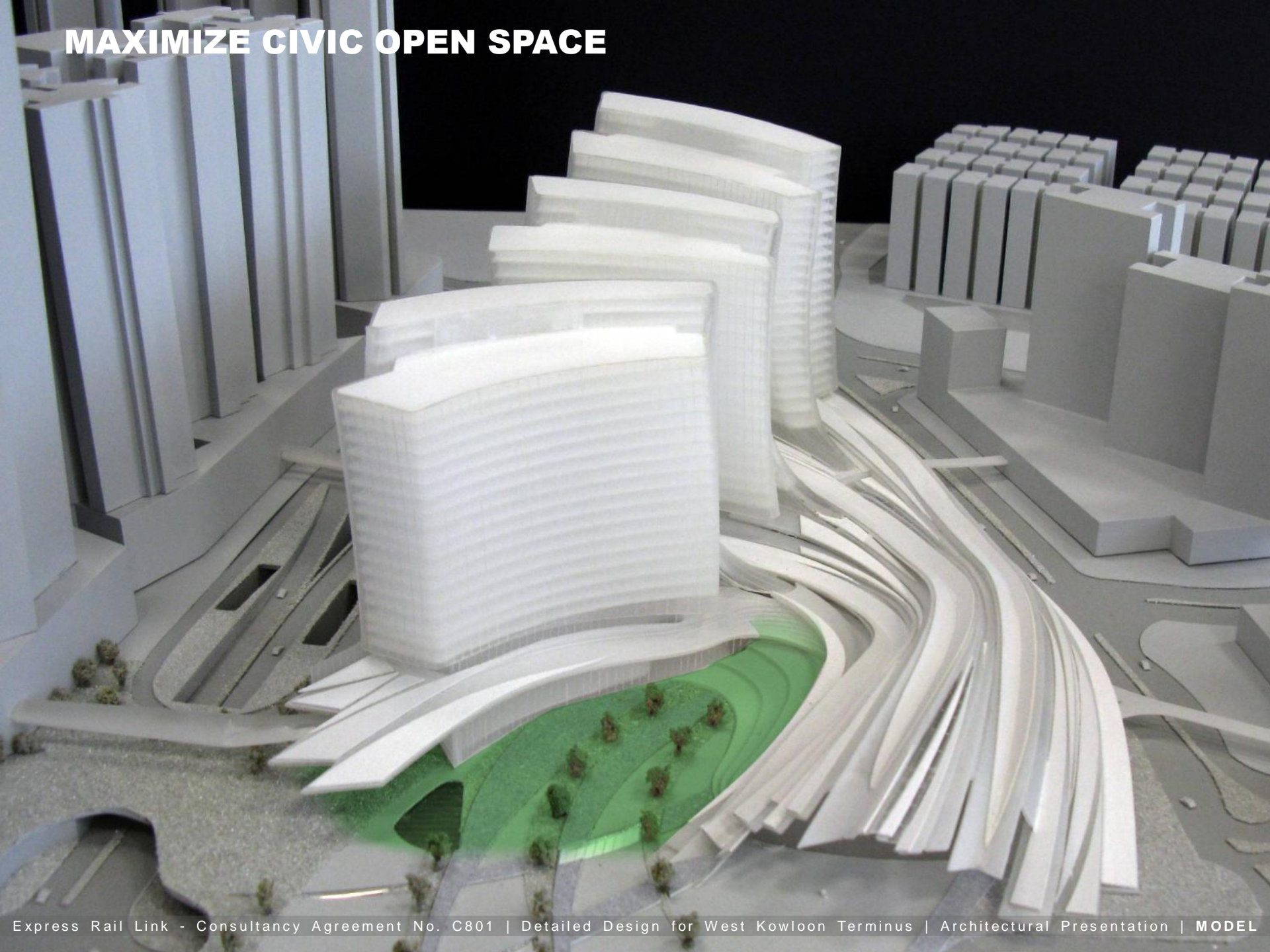
POSITION STATION  
AS AN OBJECT  
IN CORNER



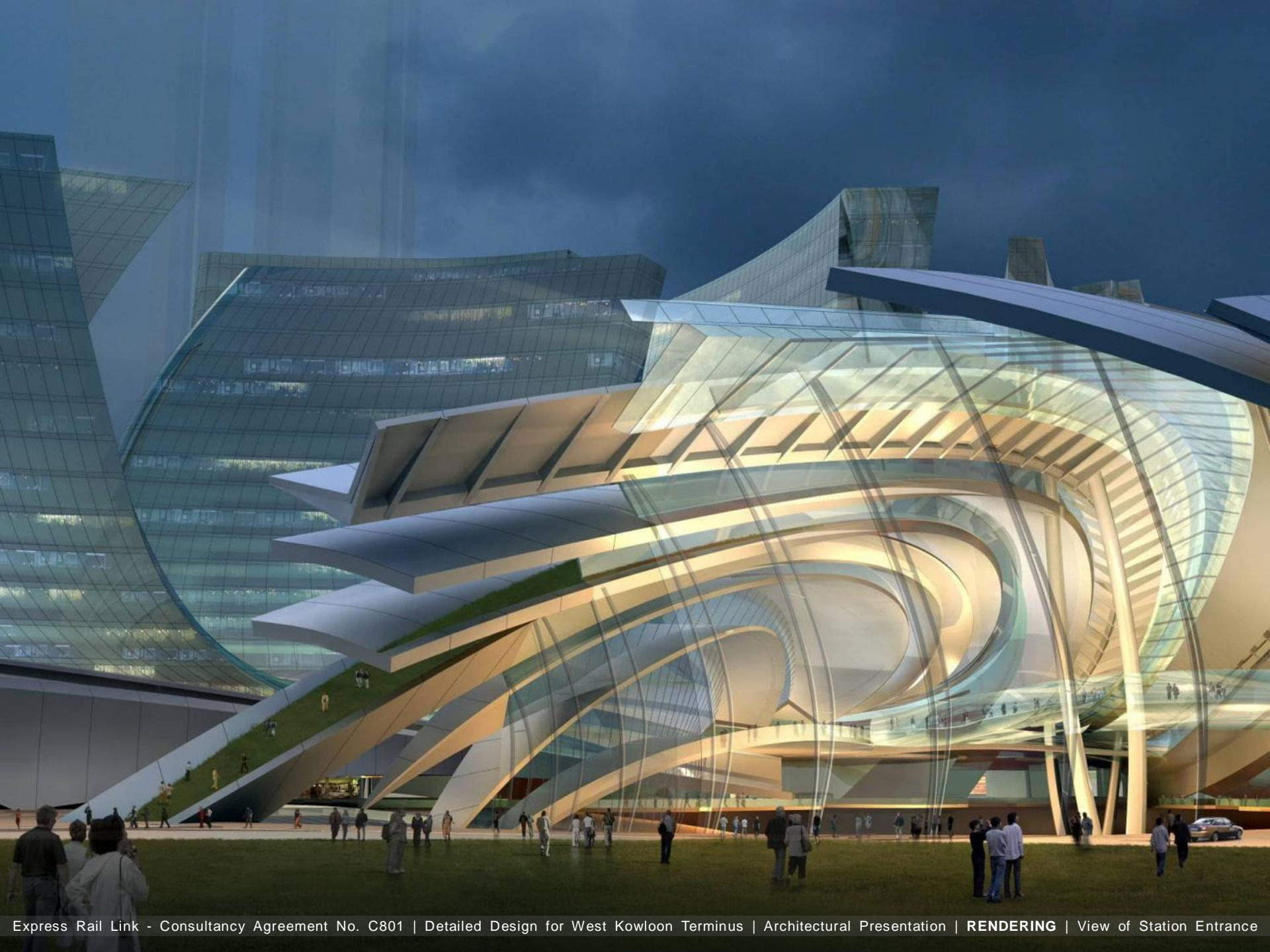
# TERMINUS STATION



**MAXIMIZE CIVIC OPEN SPACE**

























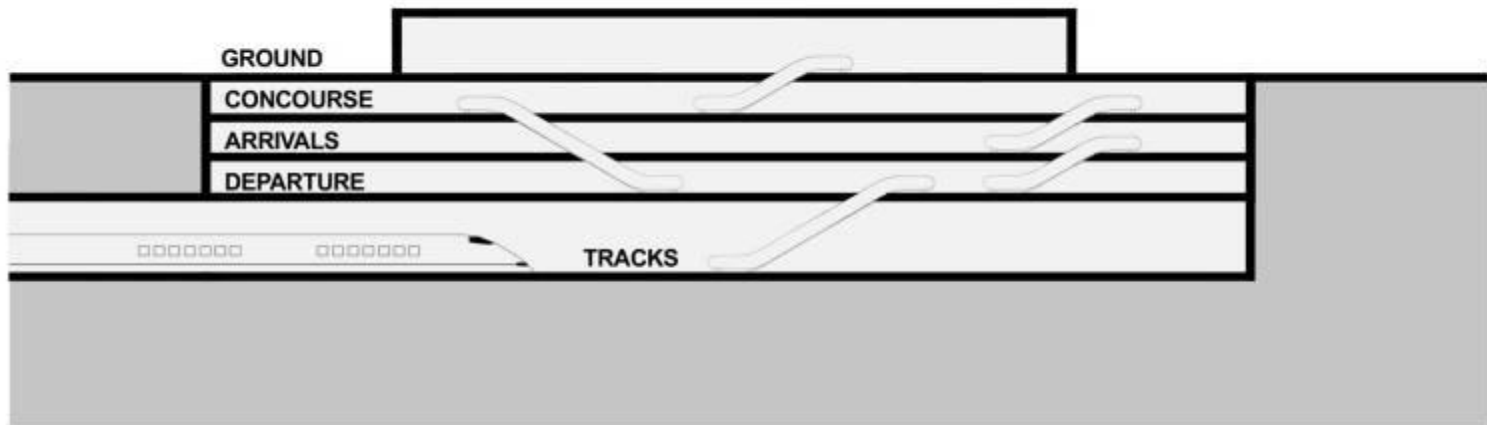






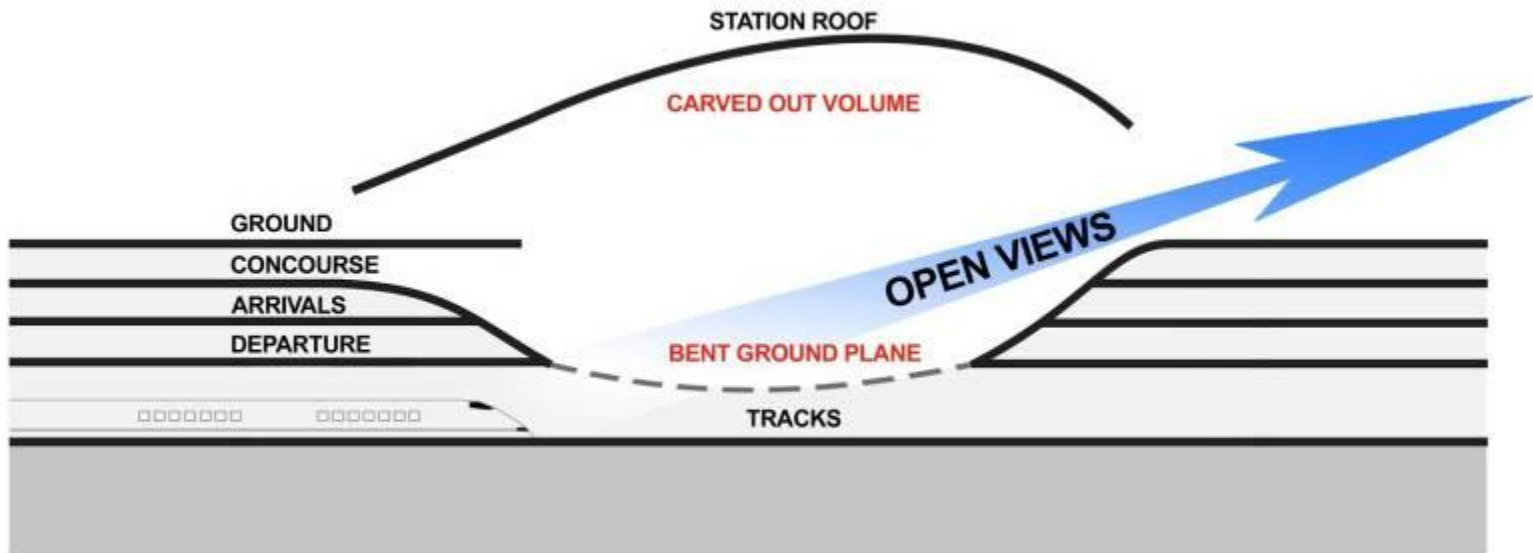






## TRADITIONAL UNDERGROUND STATION

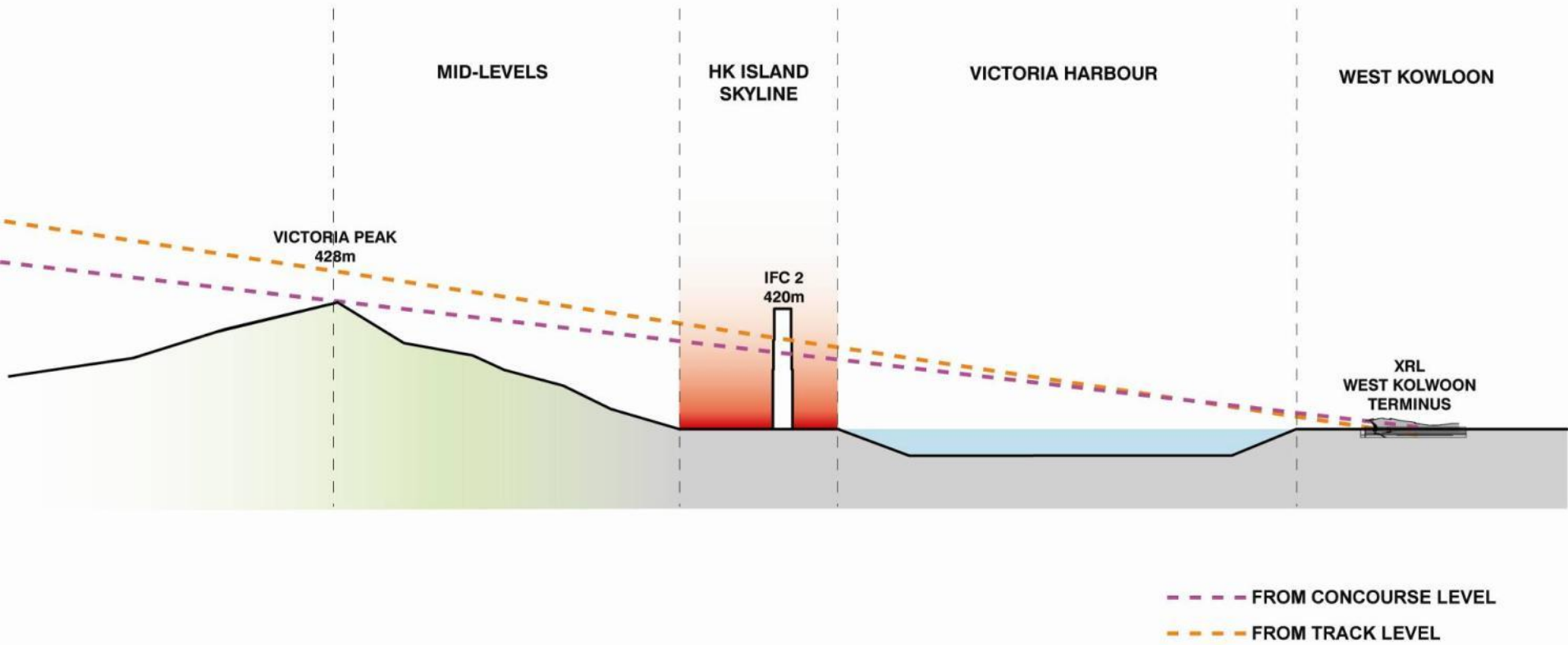
Perceptually No Awareness of Surrounding Environment



## PROPOSED UNDERGROUND STATION

Awareness of Surrounding Environment

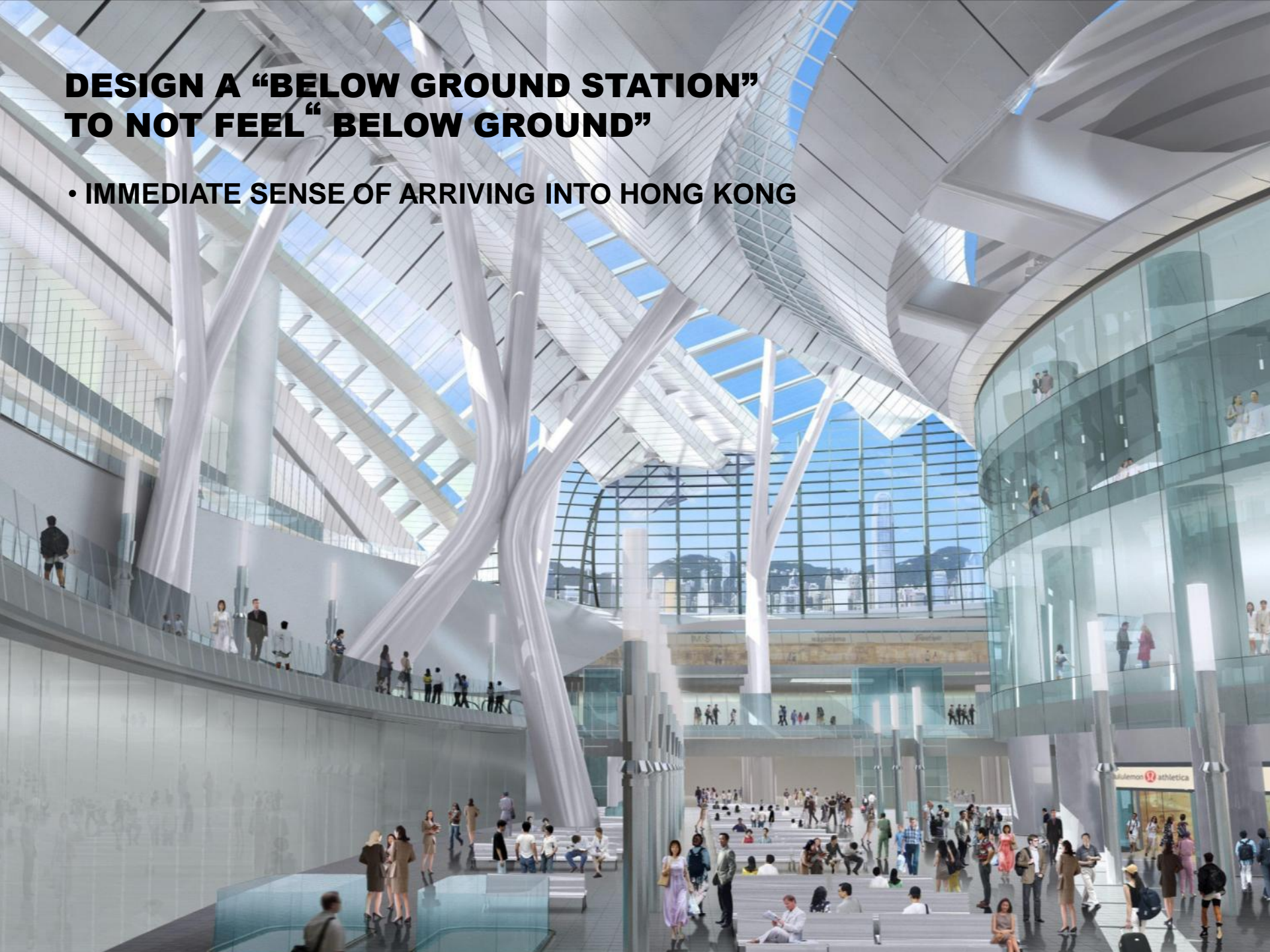
# VIEWS FROM THE STATION TOWARDS CITY





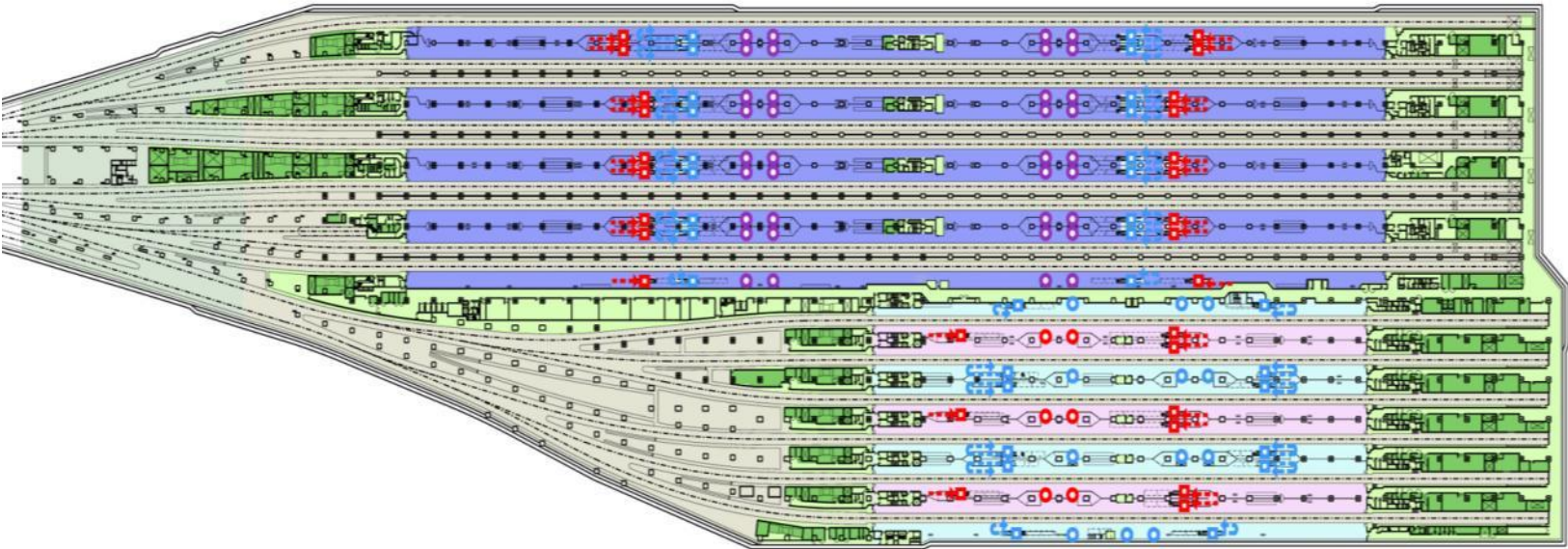
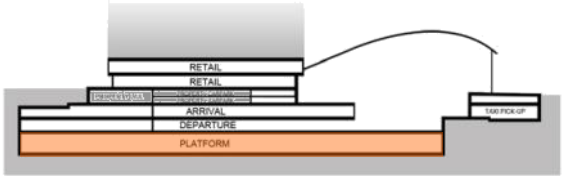
# **DESIGN A “BELOW GROUND STATION” TO NOT FEEL “BELOW GROUND”**

- IMMEDIATE SENSE OF ARRIVING INTO HONG KONG





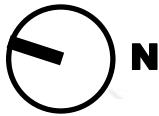
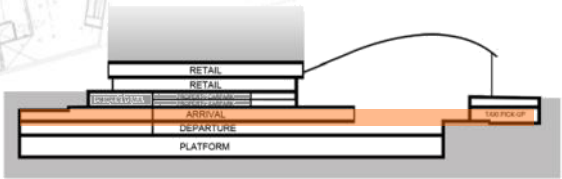
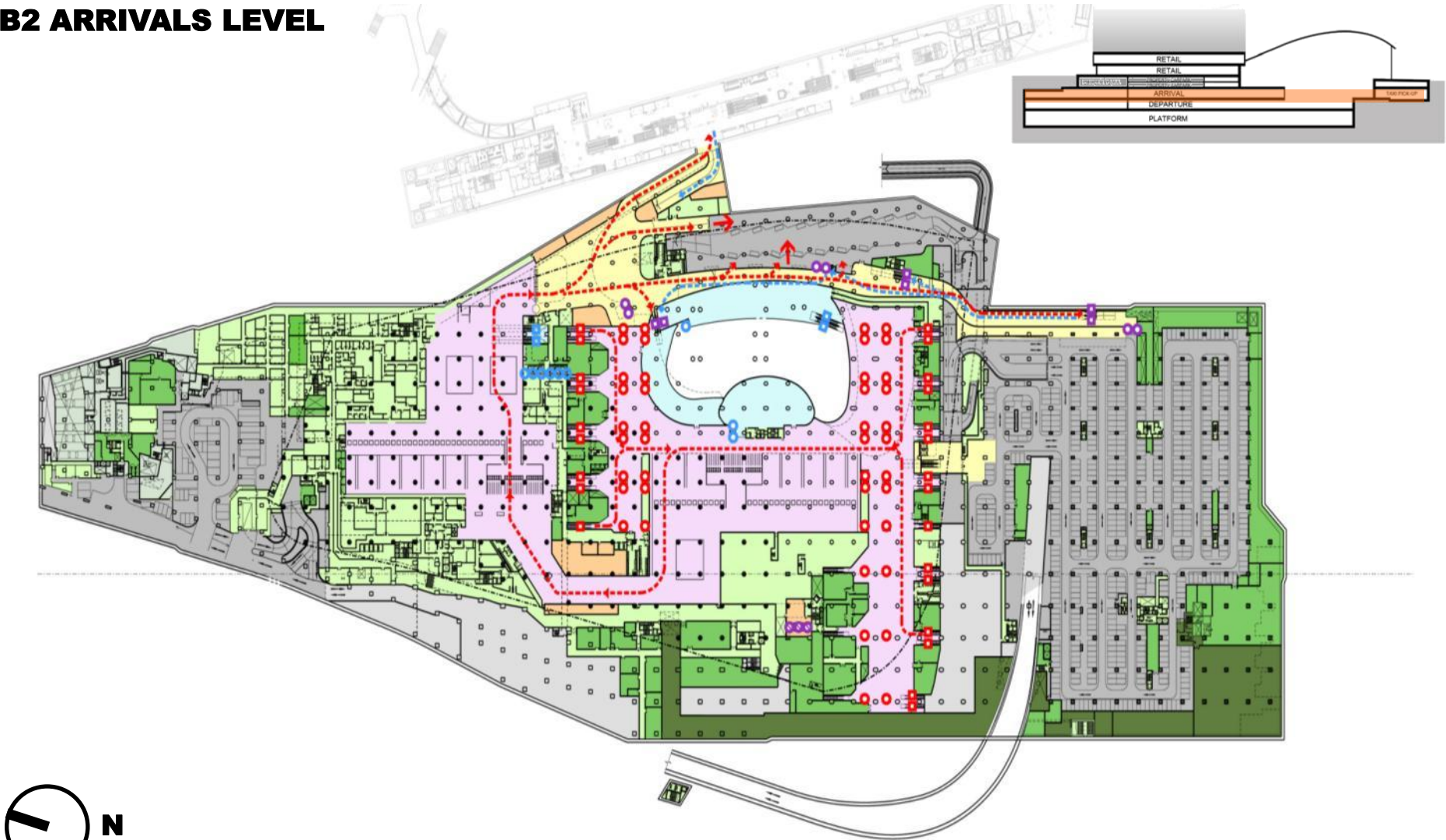
B4 PLATFORM LEVEL



LEGEND

- |                              |                                       |                             |                                 |                          |                             |                                    |
|------------------------------|---------------------------------------|-----------------------------|---------------------------------|--------------------------|-----------------------------|------------------------------------|
| ALTERNATE CIRCULATION        | RETAIL/ F&B                           | PROPERTY PARKING            | TRACK                           | DEPARTURES FLOW          | ALTERNATE LIFT / ESCALATOR  | BYPASS ALTERNATE LIFT / ESCALATOR  |
| DEPARTURES                   | STA/ DUTY FREE/ VIP / BUSINESS LOUNGE | STATION VEHICULAR           | VENT BUILDING / APPROACH TUNNEL | ARRIVALS FLOW            | DEPARTURES LIFT / ESCALATOR | BYPASS DEPARTURES LIFT / ESCALATOR |
| ARRIVALS                     | BOH                                   | UNUSED AREAS or ROOF / SLAB | EXTERNAL WORKS                  | DEPARTURE OPTIONAL ROUTE | ARRIVALS LIFT / ESCALATOR   | BYPASS ARRIVALS LIFT / ESCALATOR   |
| UNPAID AREAS                 | PLANT ROOM                            | OFFICE                      | VEHICULAR DROP-OFF              | ARRIVAL OPTIONAL ROUTE   | EXIT / ENTRANCE             | OPTIONAL EXIT / OPTIONAL ENTRANCE  |
| ARCADE WITH CONNECTING LINKS | PROPERTY PLANT ROOM                   |                             |                                 |                          |                             |                                    |

B2 ARRIVALS LEVEL



- LEGEND

  - ALTERNATE CIRCULATION
  - DEPARTURES
  - ARRIVALS
  - UNPAID AREAS
  - ARCADE WITH CONNECTING LINKS
- RETAIL/ F&B
  - STA/ DUTY FREE/ VIP / BUSINESS LOUNGE
  - BOH
  - PLANT ROOM
  - PROPERTY PLANT ROOM
- PROPERTY PARKING
  - STATION VEHICULAR
  - UNUSED AREAS or ROOF / SLAB
  - OFFICE
- TRACK
  - VENT BUILDING / APPROACH TUNNEL
  - EXTERNAL WORKS
  - VEHICULAR DROP-OFF
- DEPARTURES FLOW
  - ARRIVALS FLOW
  - DEPARTURE OPTIONAL ROUTE
  - ARRIVAL OPTIONAL ROUTE
- ALTERNATE LIFT / ESCALATOR
  - DEPARTURES LIFT / ESCALATOR
  - ARRIVALS LIFT / ESCALATOR
  - EXIT / ENTRANCE
- BYPASS ALTERNATE LIFT / ESCALATOR
  - BYPASS DEPARTURES LIFT / ESCALATOR
  - BYPASS ARRIVALS LIFT / ESCALATOR
  - OPTIONAL EXIT / OPTIONAL ENTRANCE



GROUND LEVEL



LEGEND

ALTERNATE CIRCULATION

DEPARTURES

ARRIVALS

UNPAID AREAS

ARCADE WITH CONNECTING LINKS

RETAIL/ F&B

STA/ DUTY FREE/ VIP / BUSINESS LOUNGE

BOH

PLANT ROOM

PROPERTY PLANT ROOM

PROPERTY PARKING

STATION VEHICULAR UNUSED AREAS or ROOF / SLAB

OFFICE

TRACK

VENT BUILDING / APPROACH TUNNEL

EXTERNAL WORKS

VEHICULAR DROP-OFF

DEPARTURES FLOW

ARRIVALS FLOW

DEPARTURE OPTIONAL ROUTE

ARRIVAL OPTIONAL ROUTE

ALTERNATE LIFT / ESCALATOR

DEPARTURES LIFT / ESCALATOR

ARRIVALS LIFT / ESCALATOR

EXIT / ENTRANCE

BYPASS ALTERNATE LIFT / ESCALATOR

BYPASS DEPARTURES LIFT / ESCALATOR

BYPASS ARRIVALS LIFT / ESCALATOR

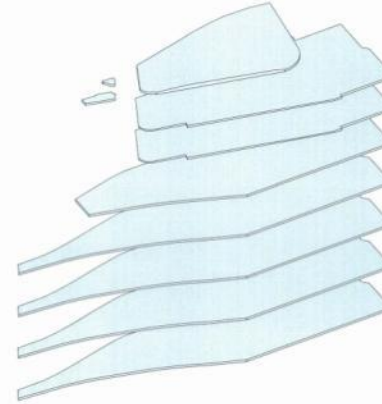
OPTIONAL EXIT / OPTIONAL ENTRANCE



# THE ENTRANCE BUILDING

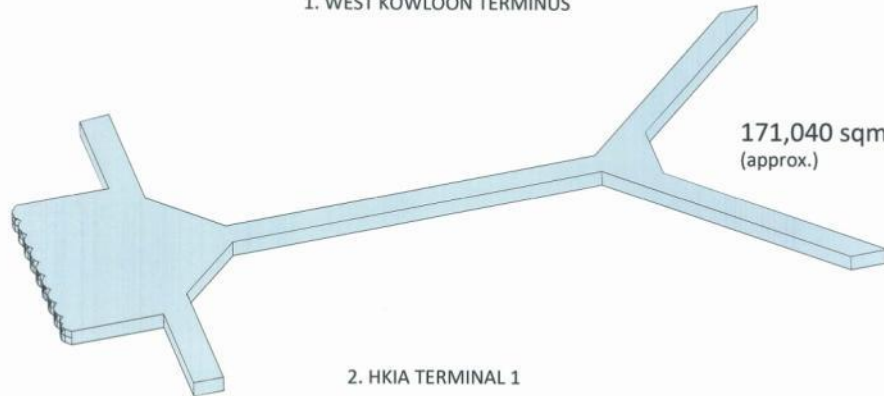


# COMPARATIVE AREAS



126,470 sqm  
(approx.)

1. WEST KOWLOON TERMINUS



171,040 sqm  
(approx.)

2. HKIA TERMINAL 1



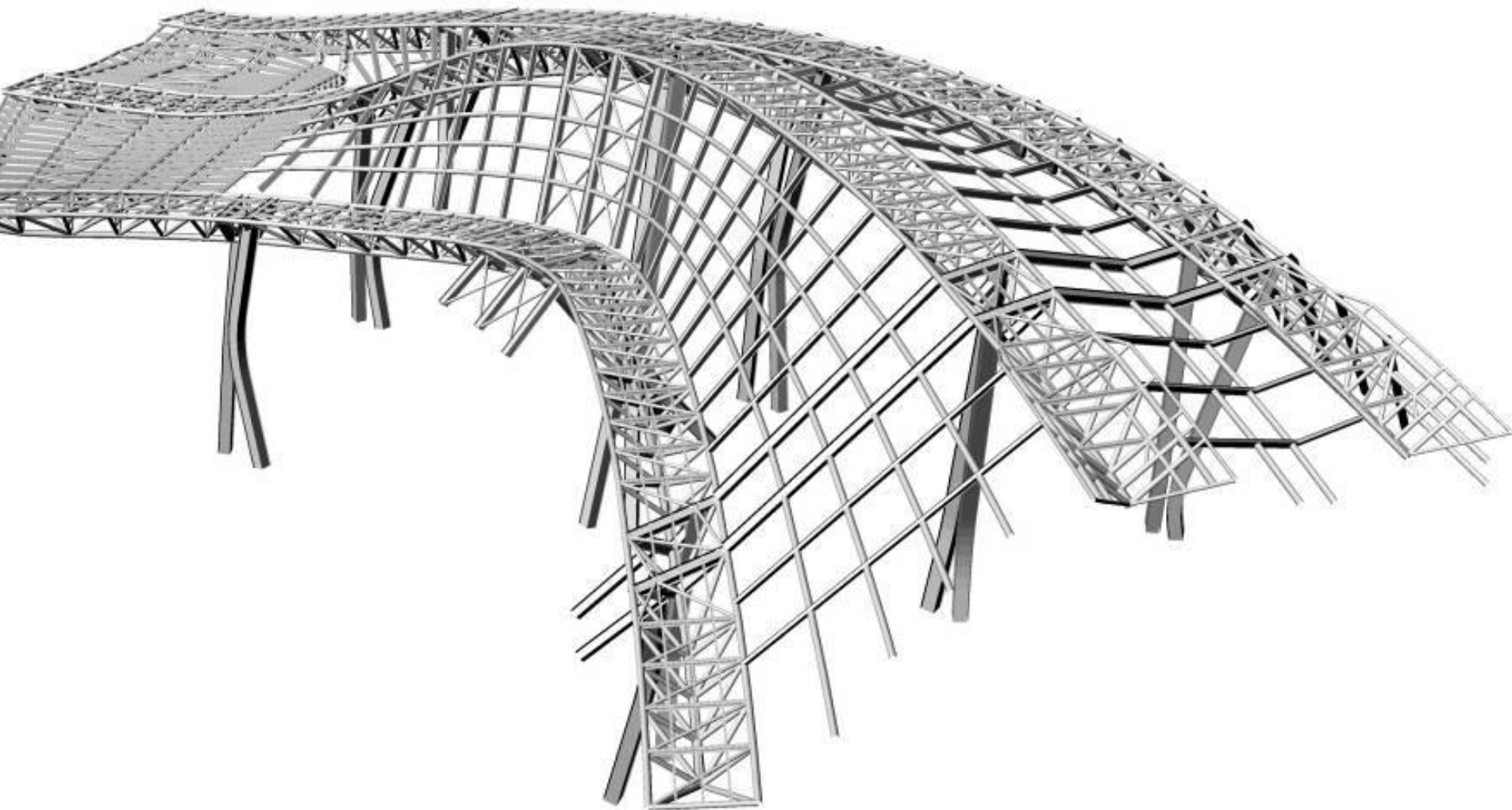
13,770 sqm  
(approx.)

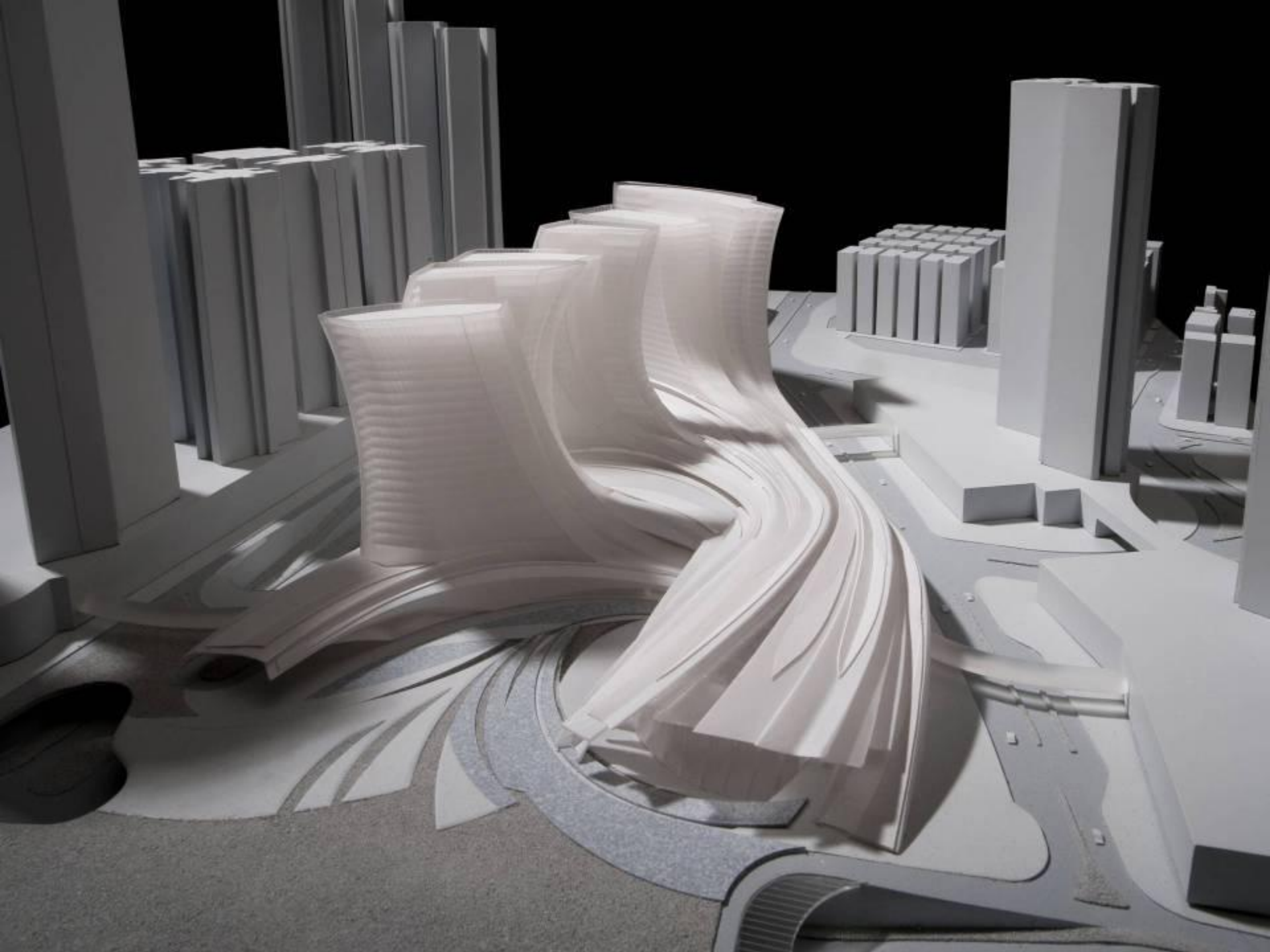
3. AUSTIN STATION



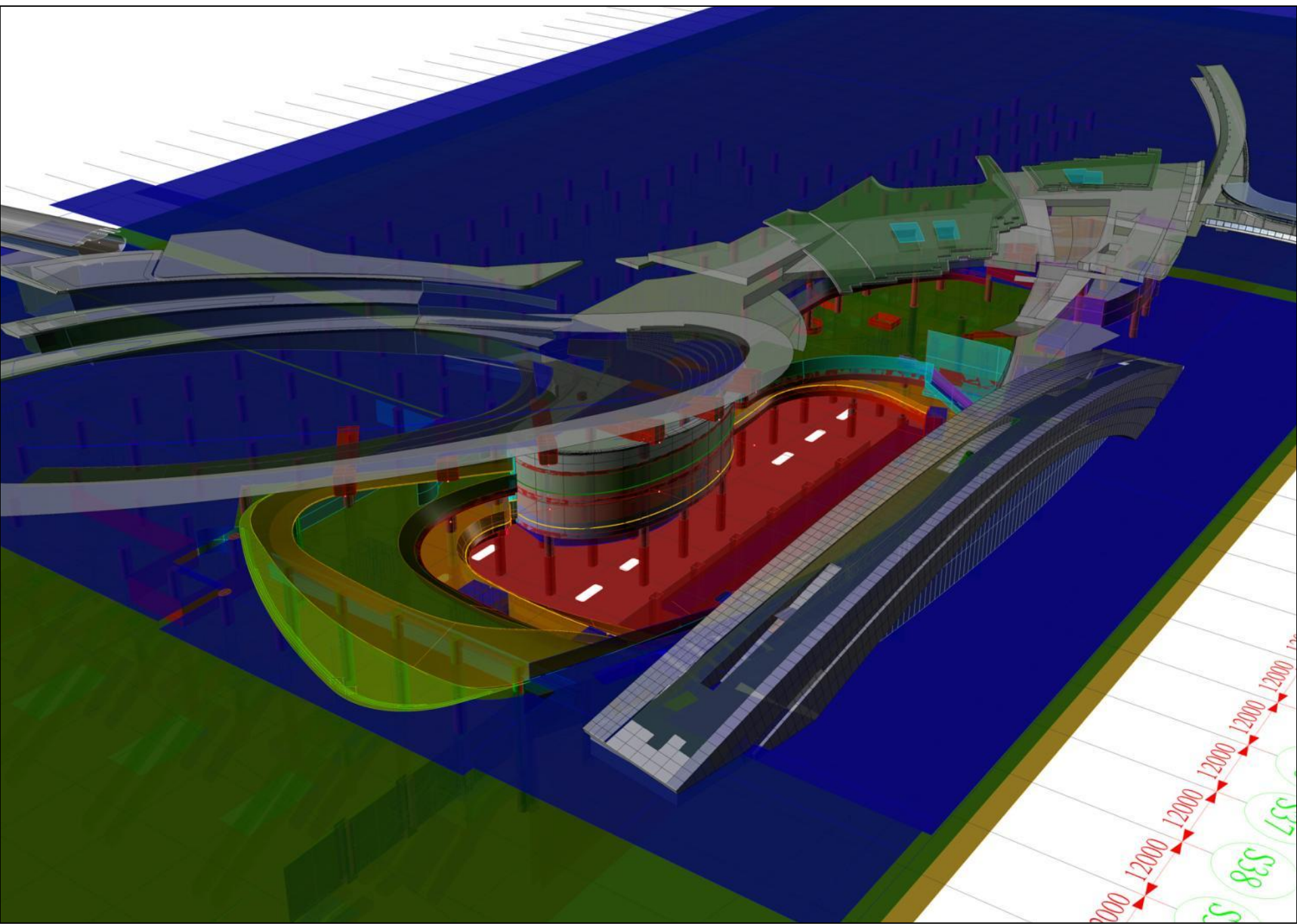


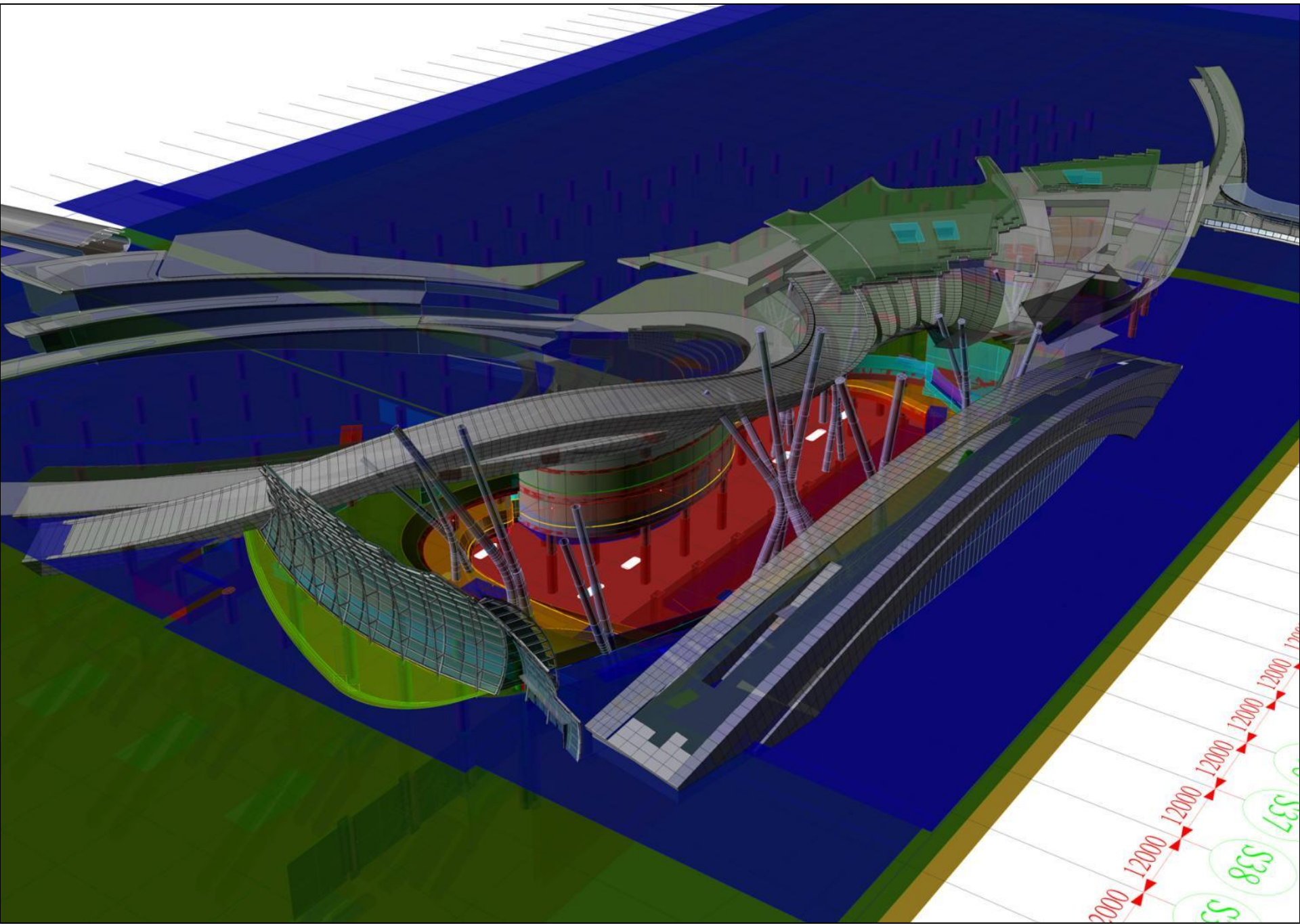
# COMPONENTS



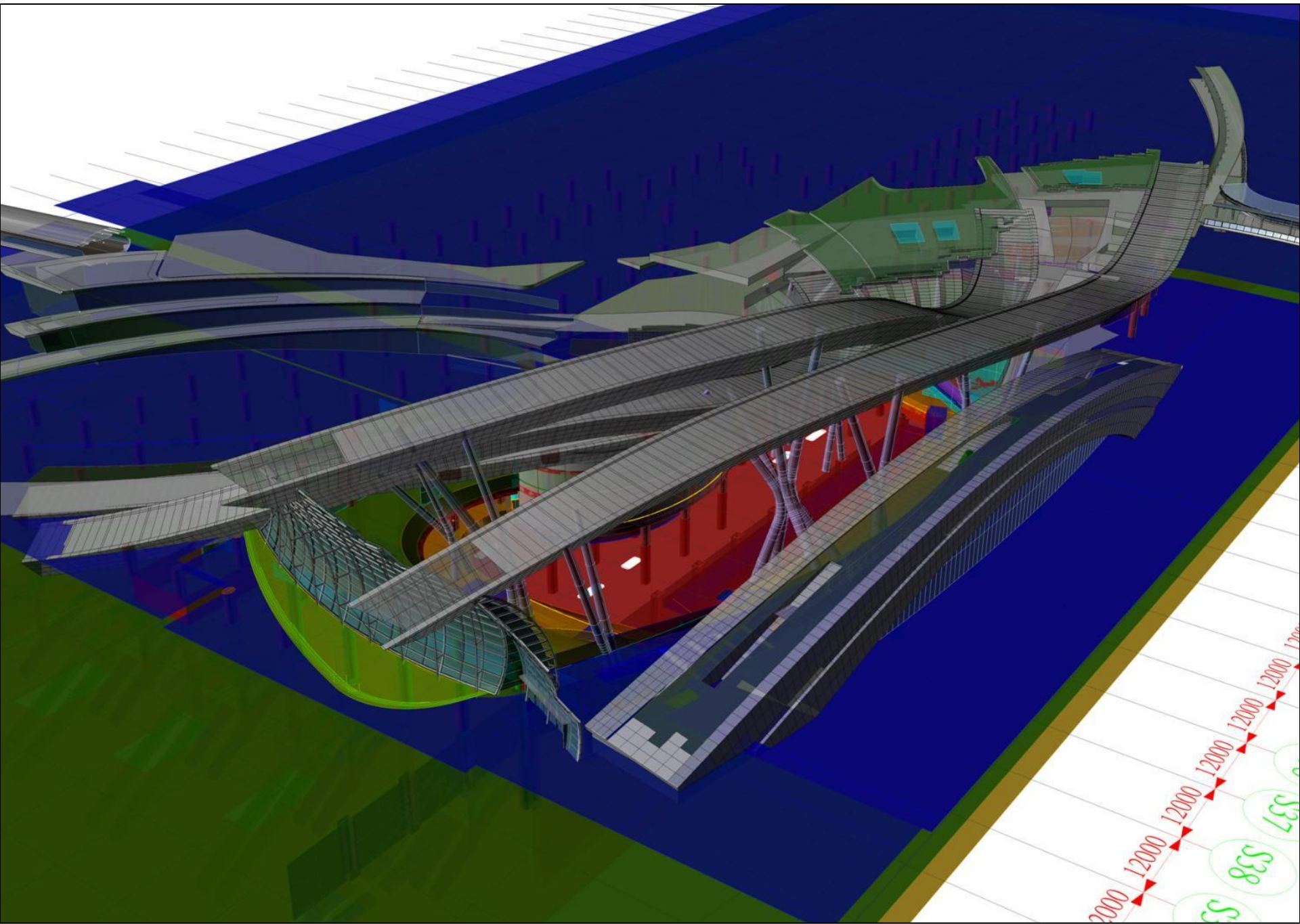


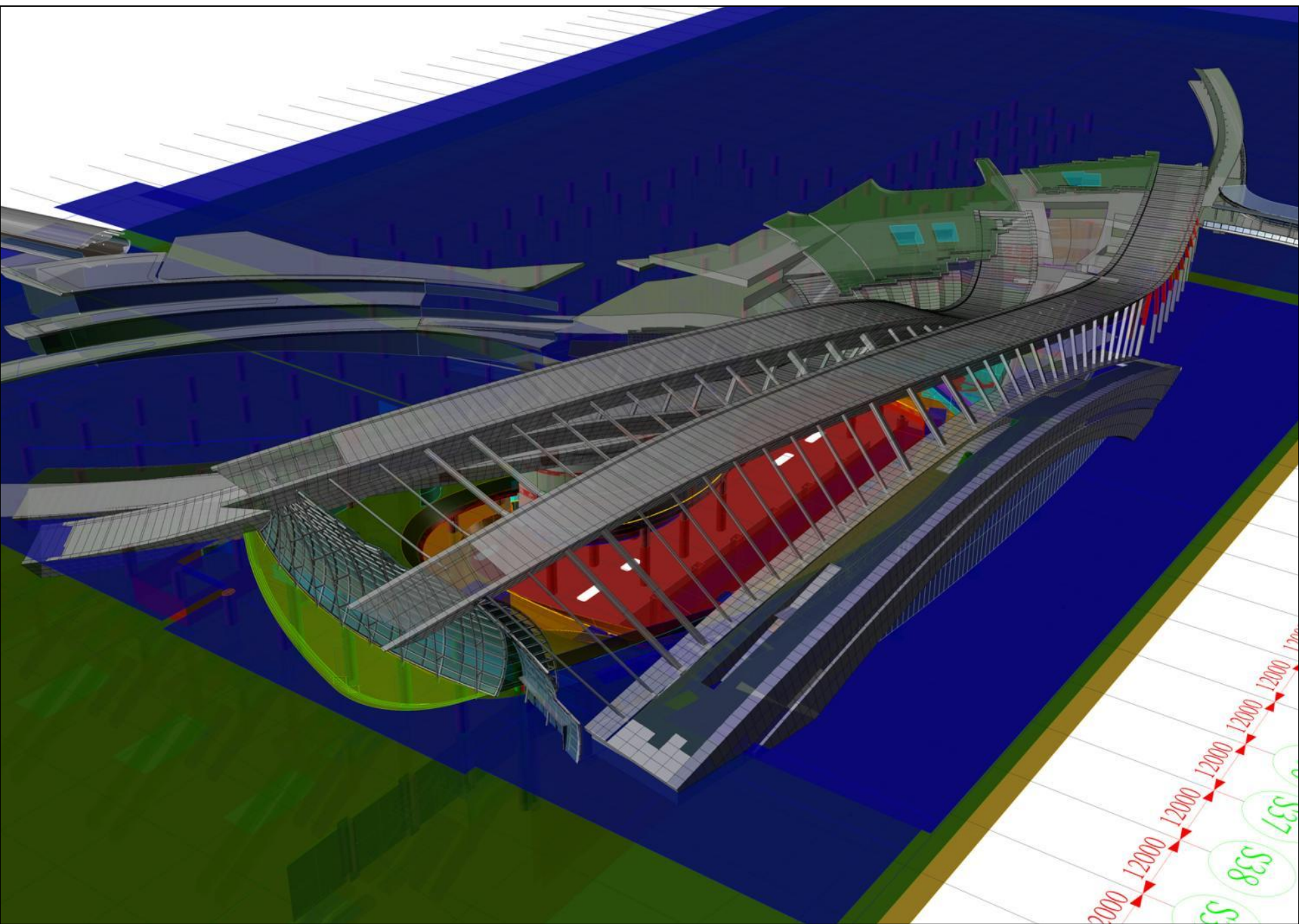
















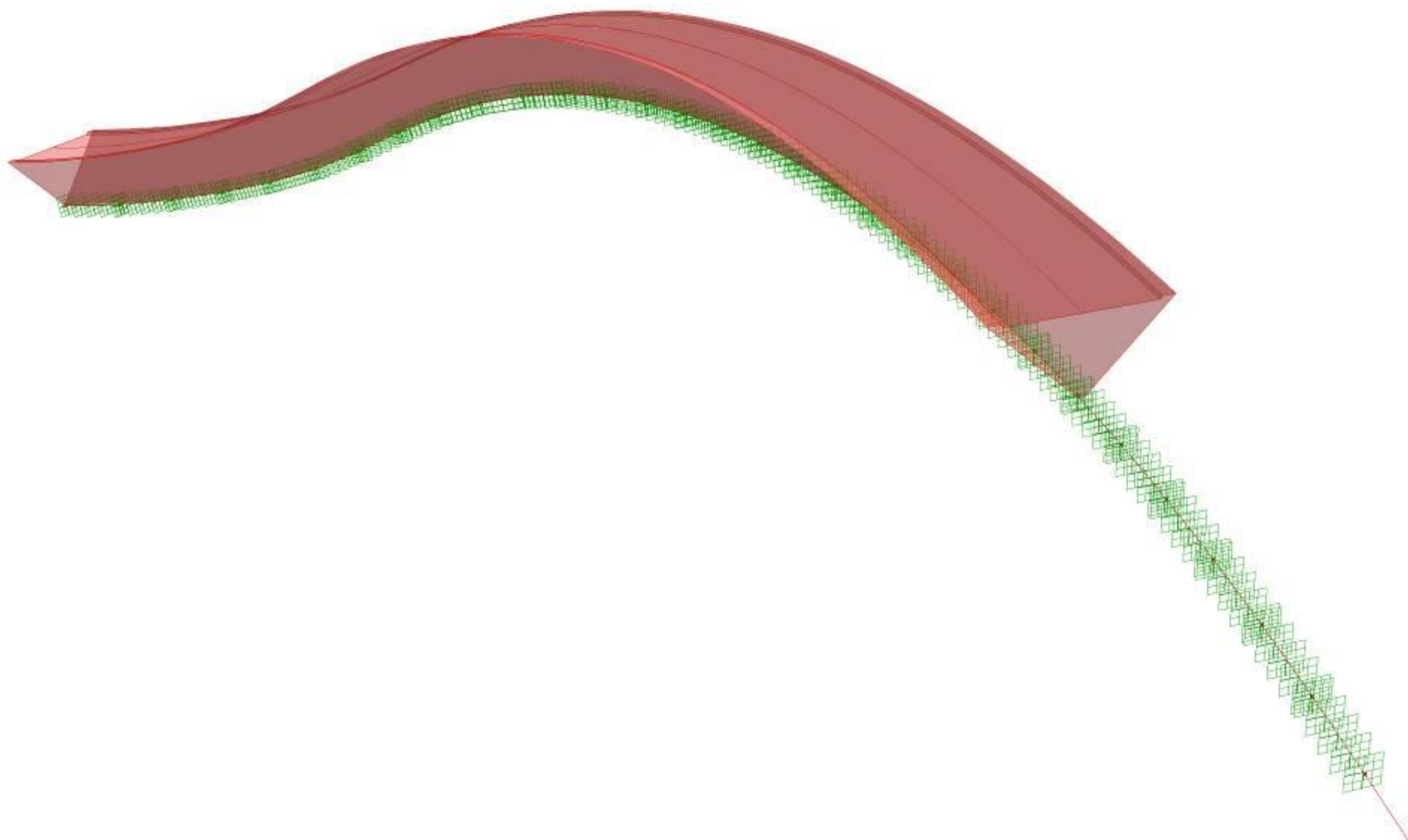


# V BEAMS

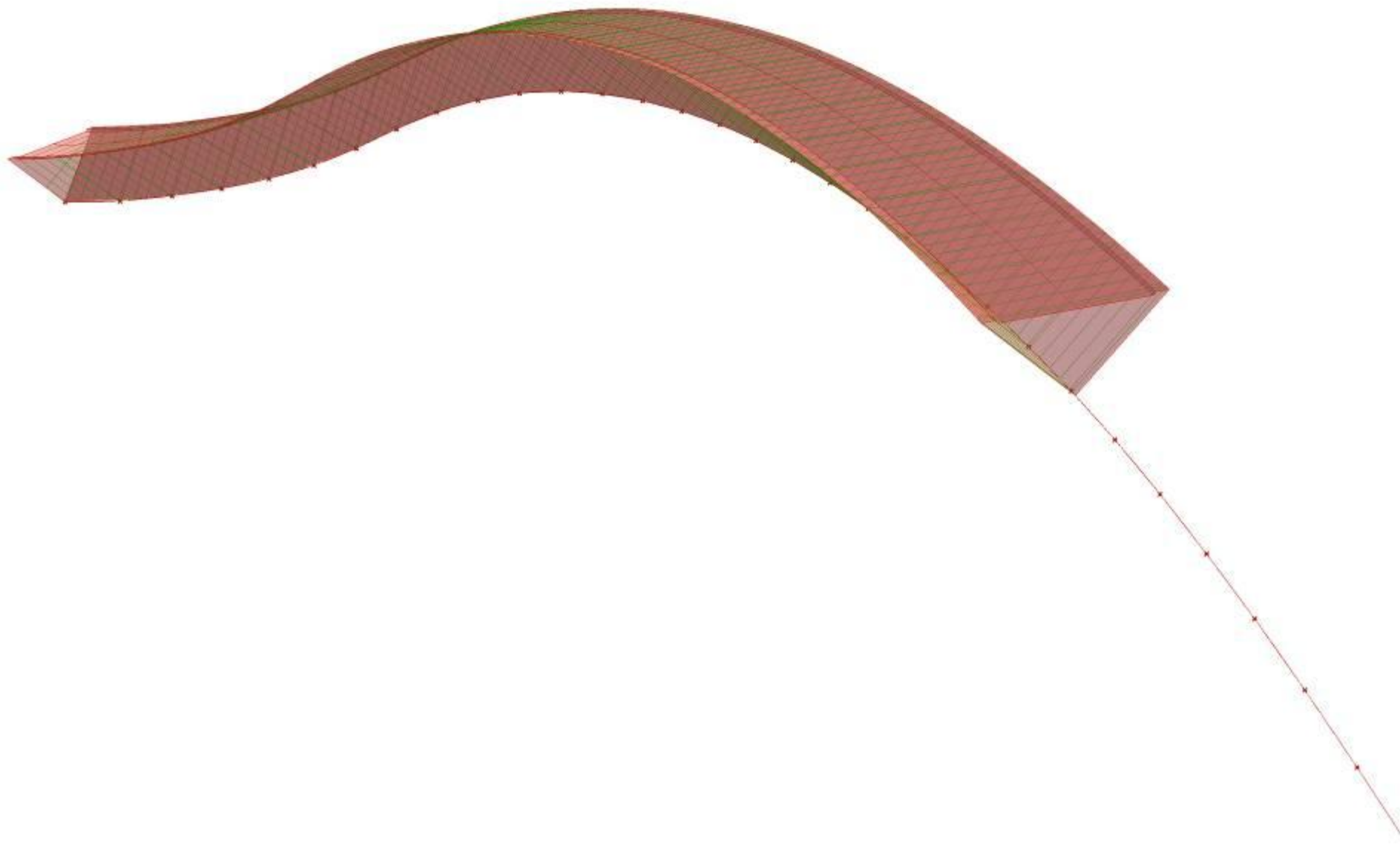


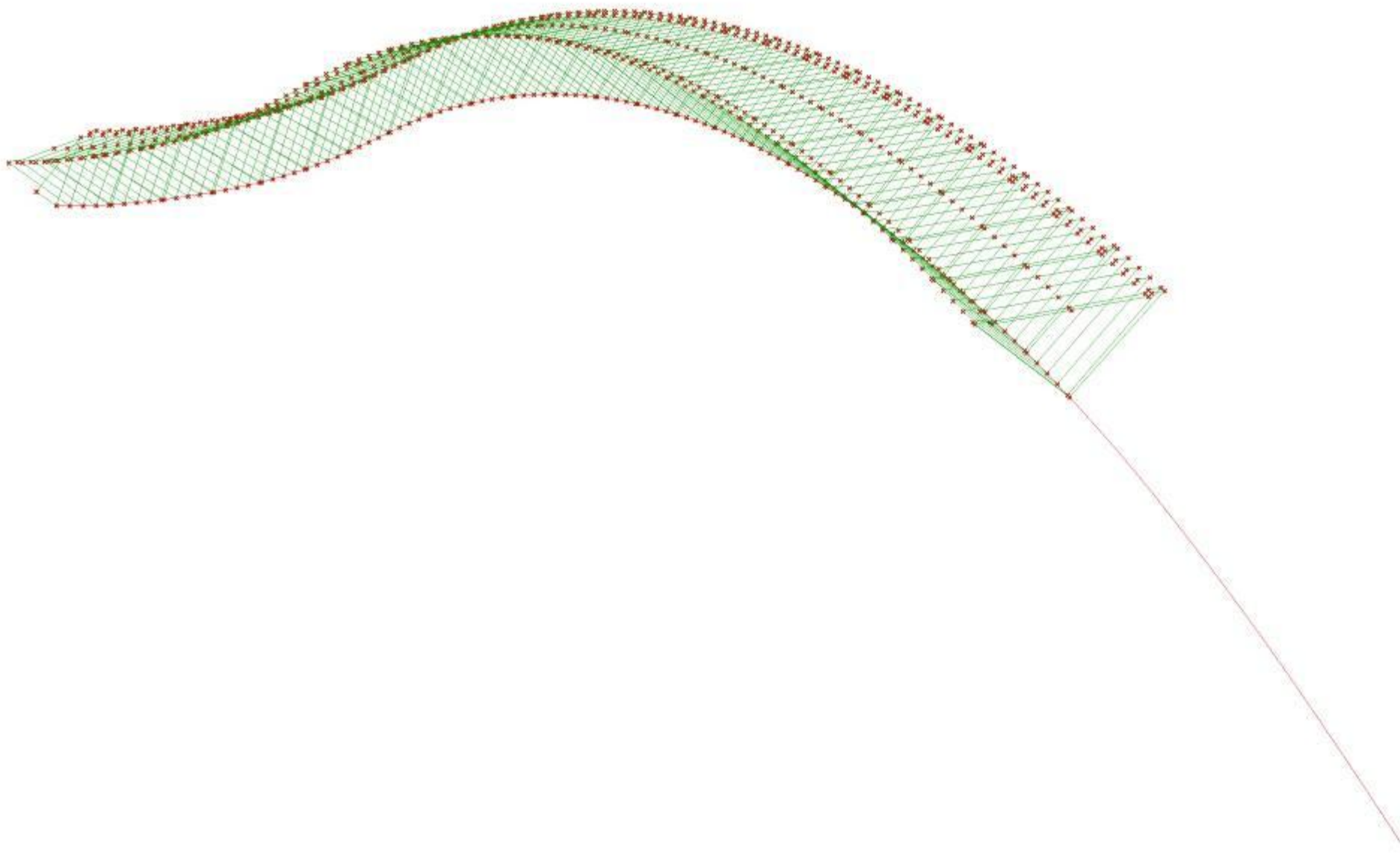




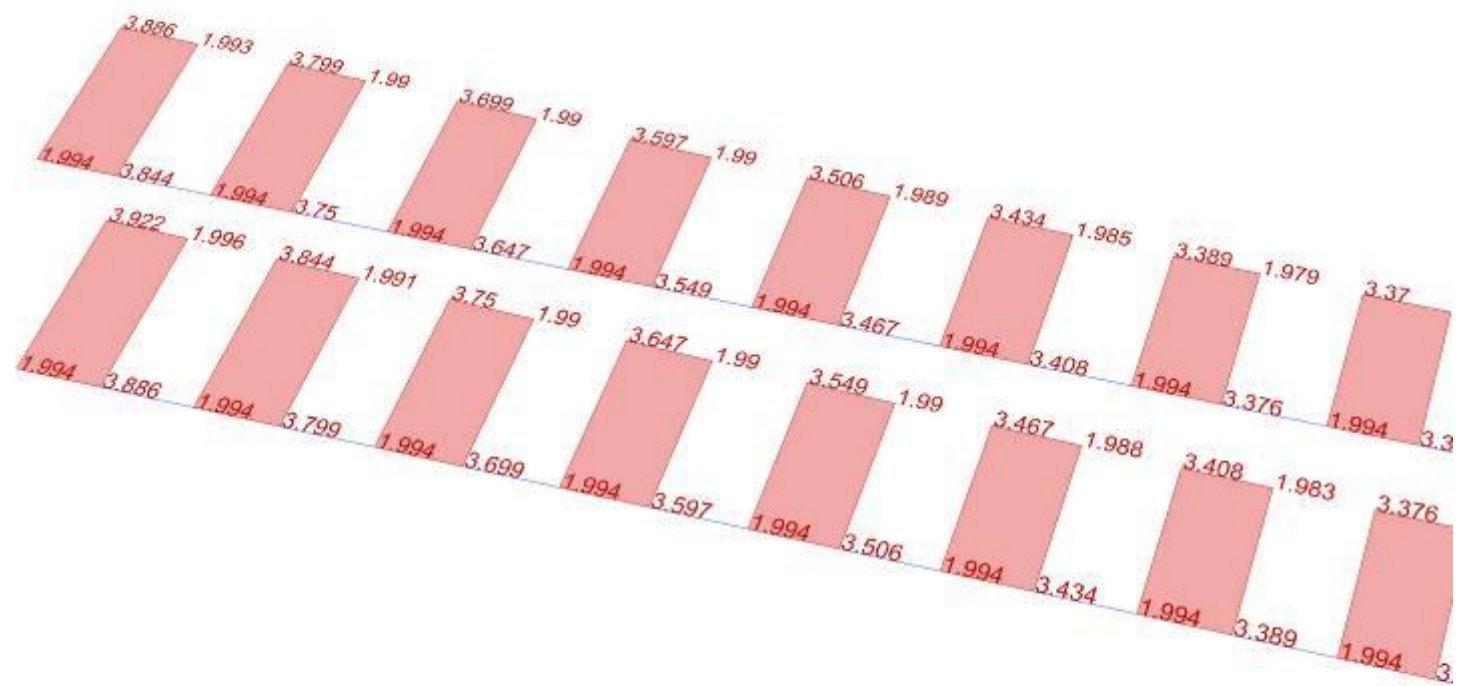










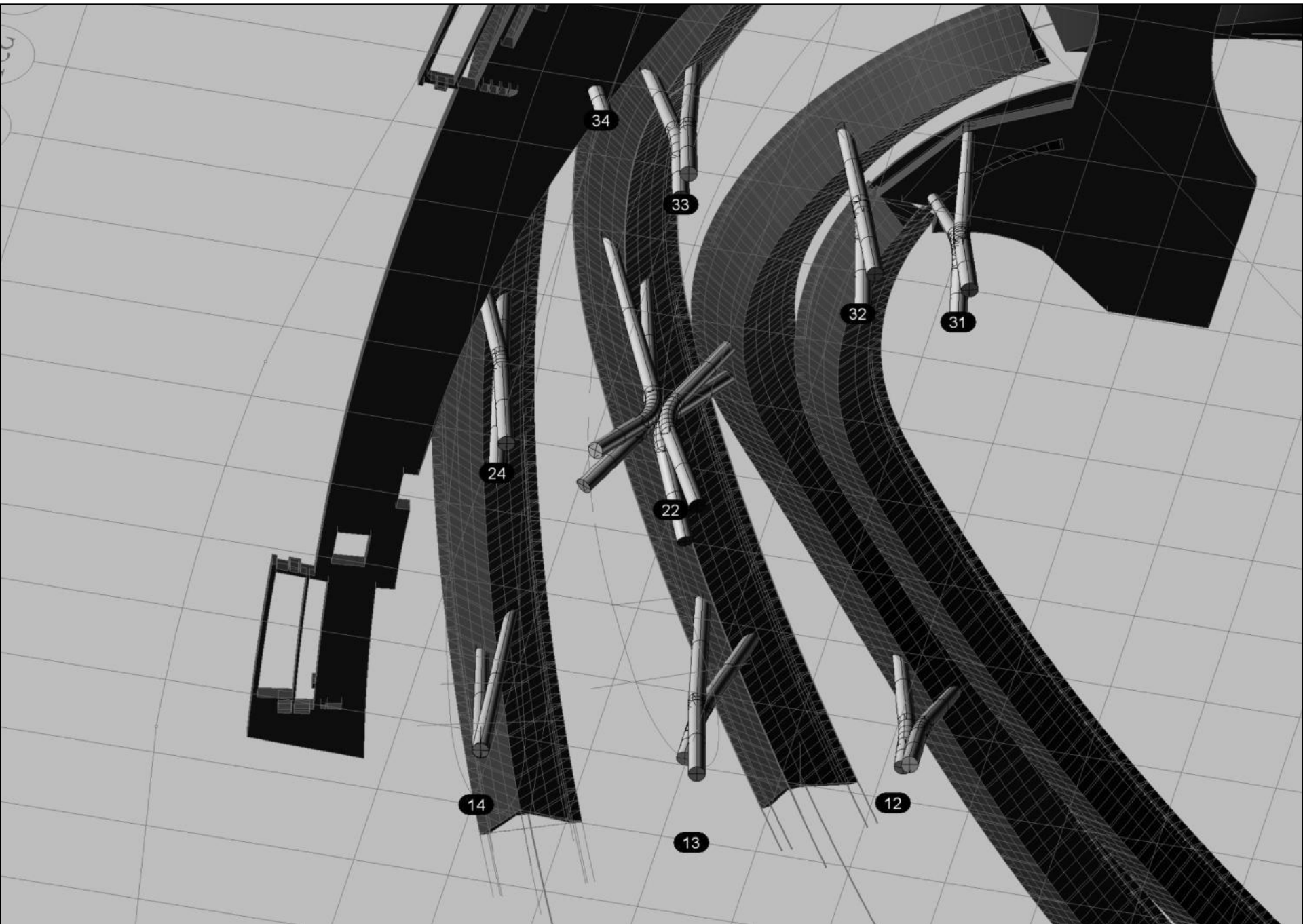


# MEGA COLUMNS

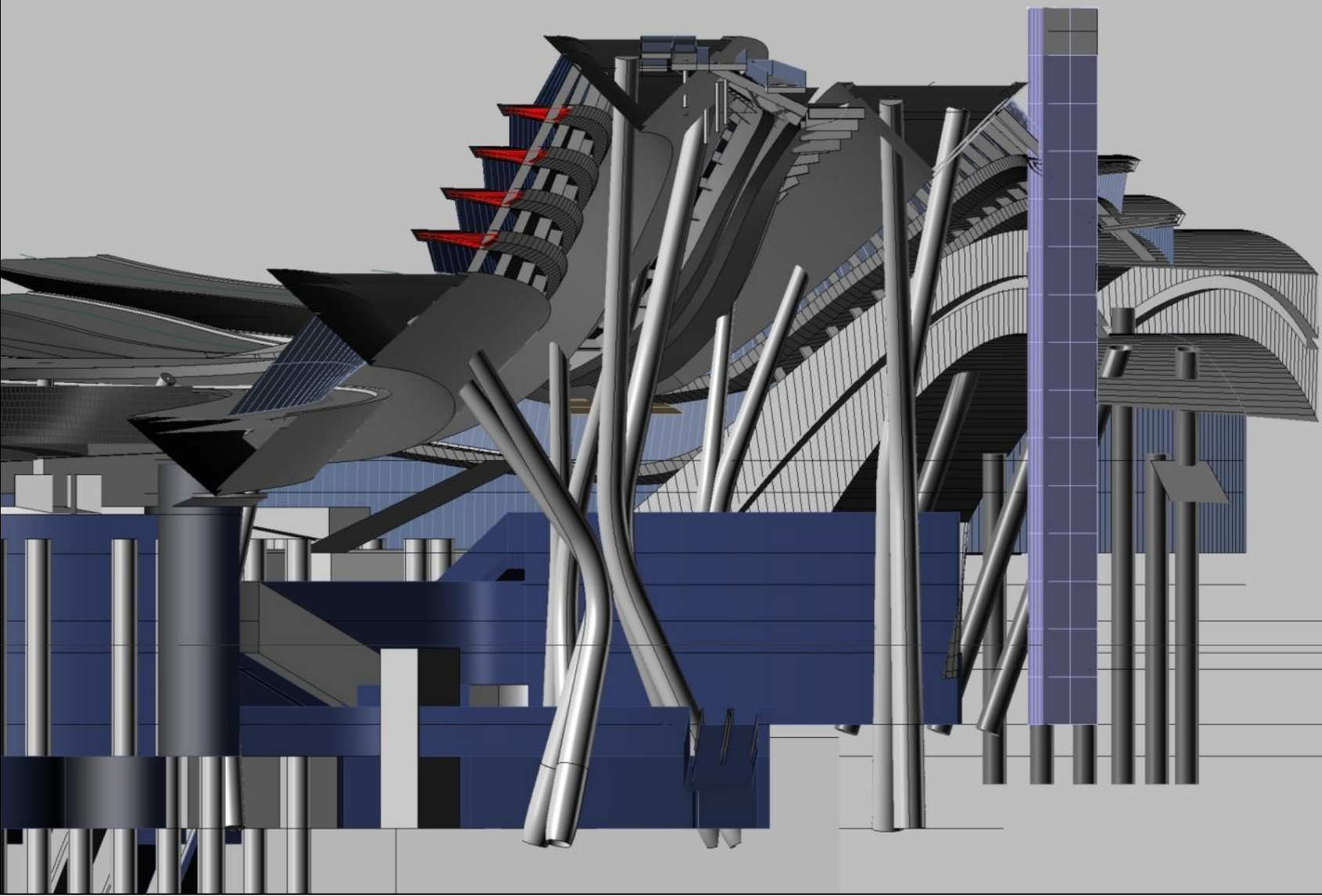




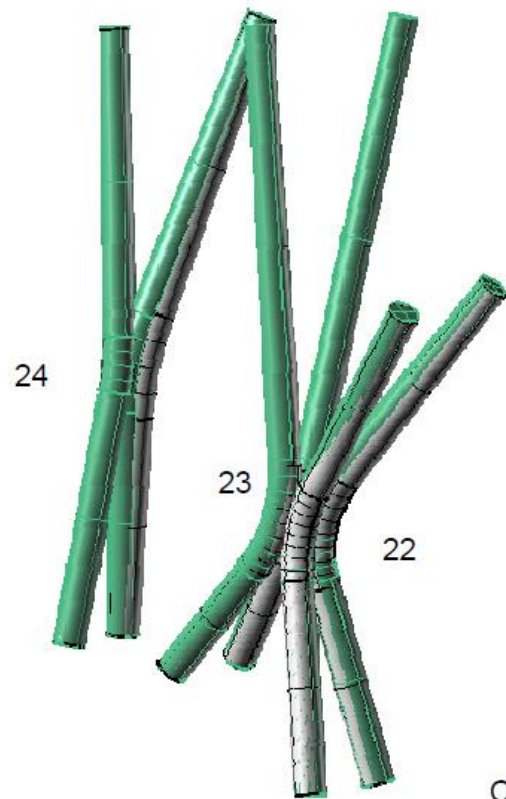




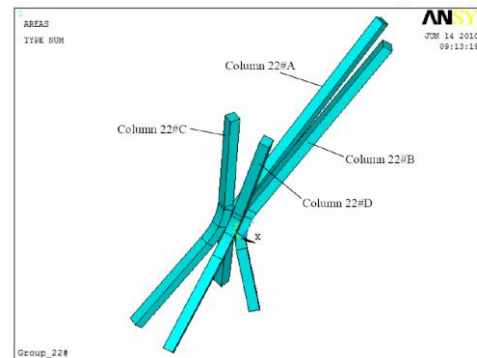
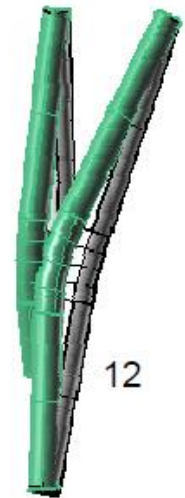
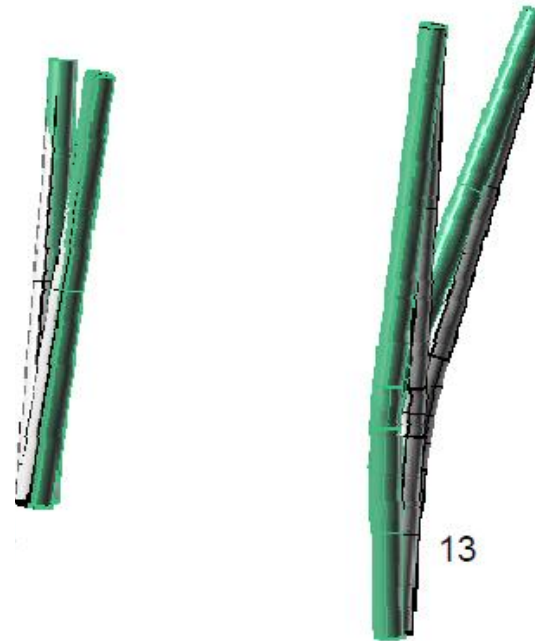




# 30% of steel weight saved through optimisation of mega column form

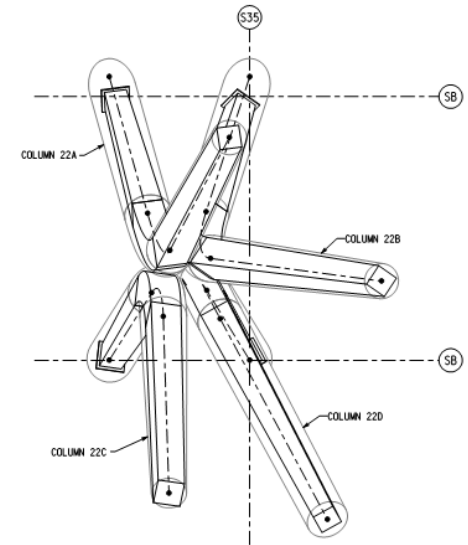
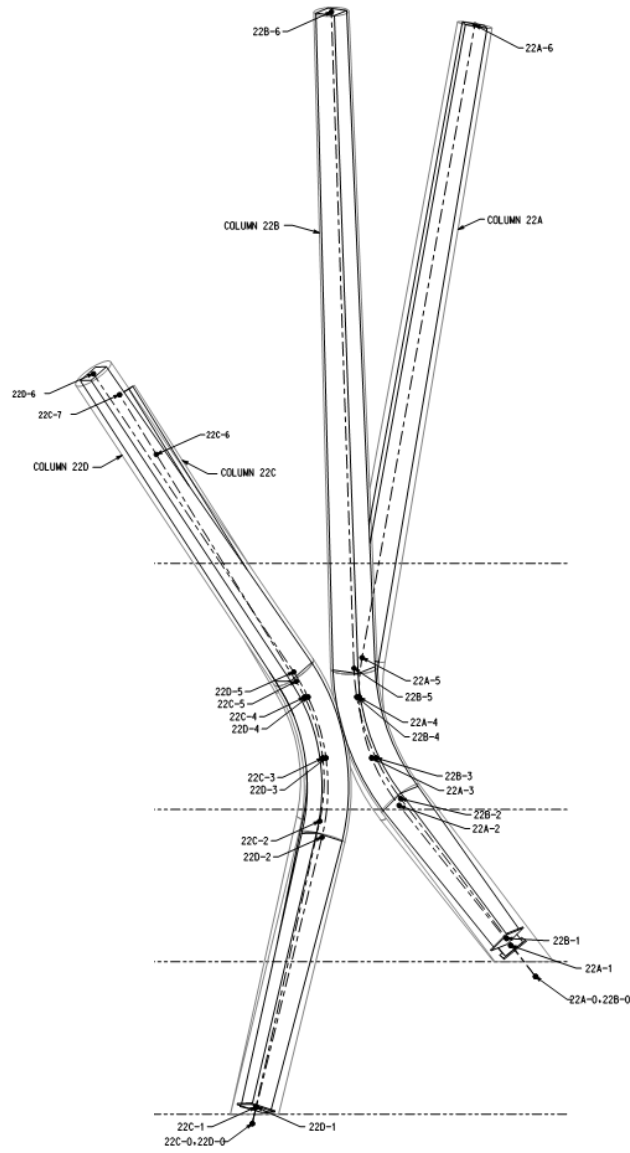
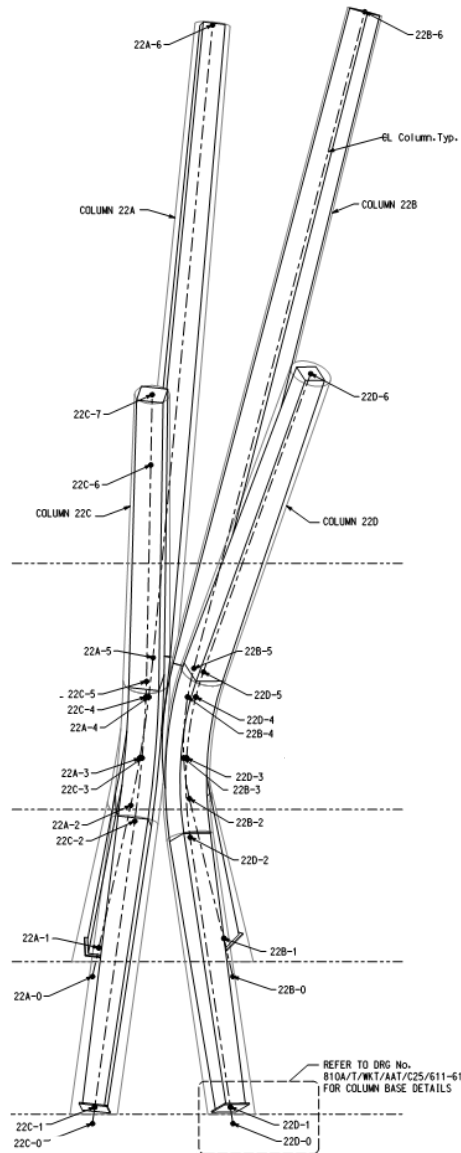


Central columns

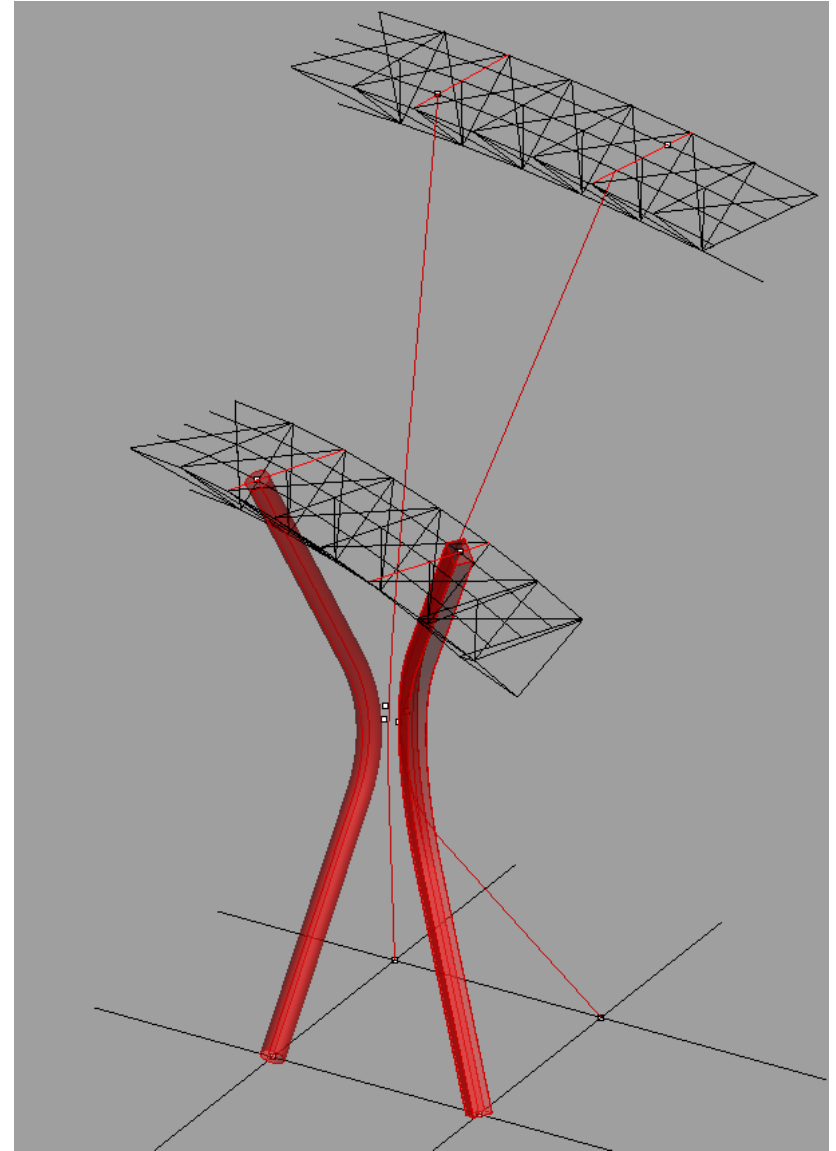
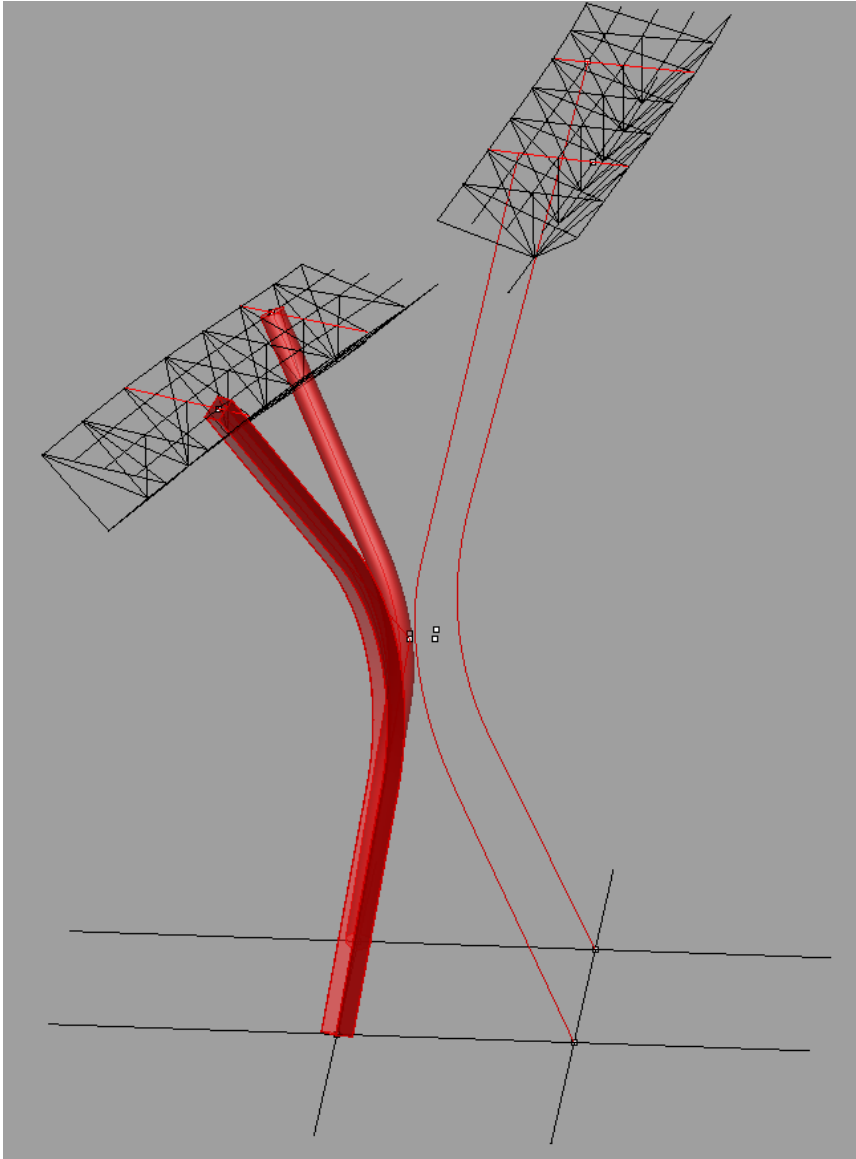




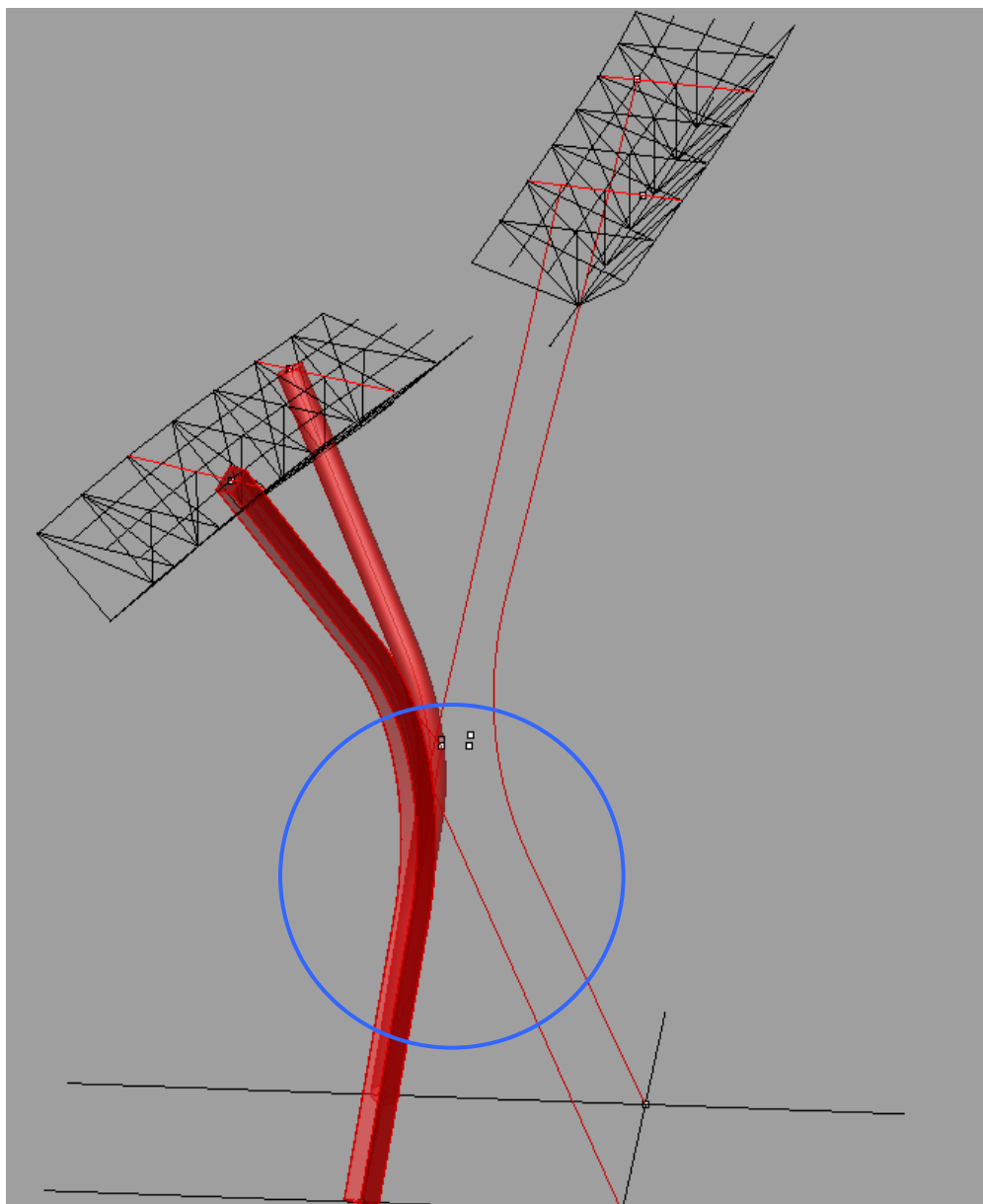
# Rationalisation to Constructible Forms



# Parametric Manipulation of Column Forms







195%

Leg\_1\_fillet\_radius\_m 1

Leg\_1\_plane\_rotation\_radians -0.057

Leg\_1\_Node\_height -0.04

Leg\_1\_Node\_spacing 0.13

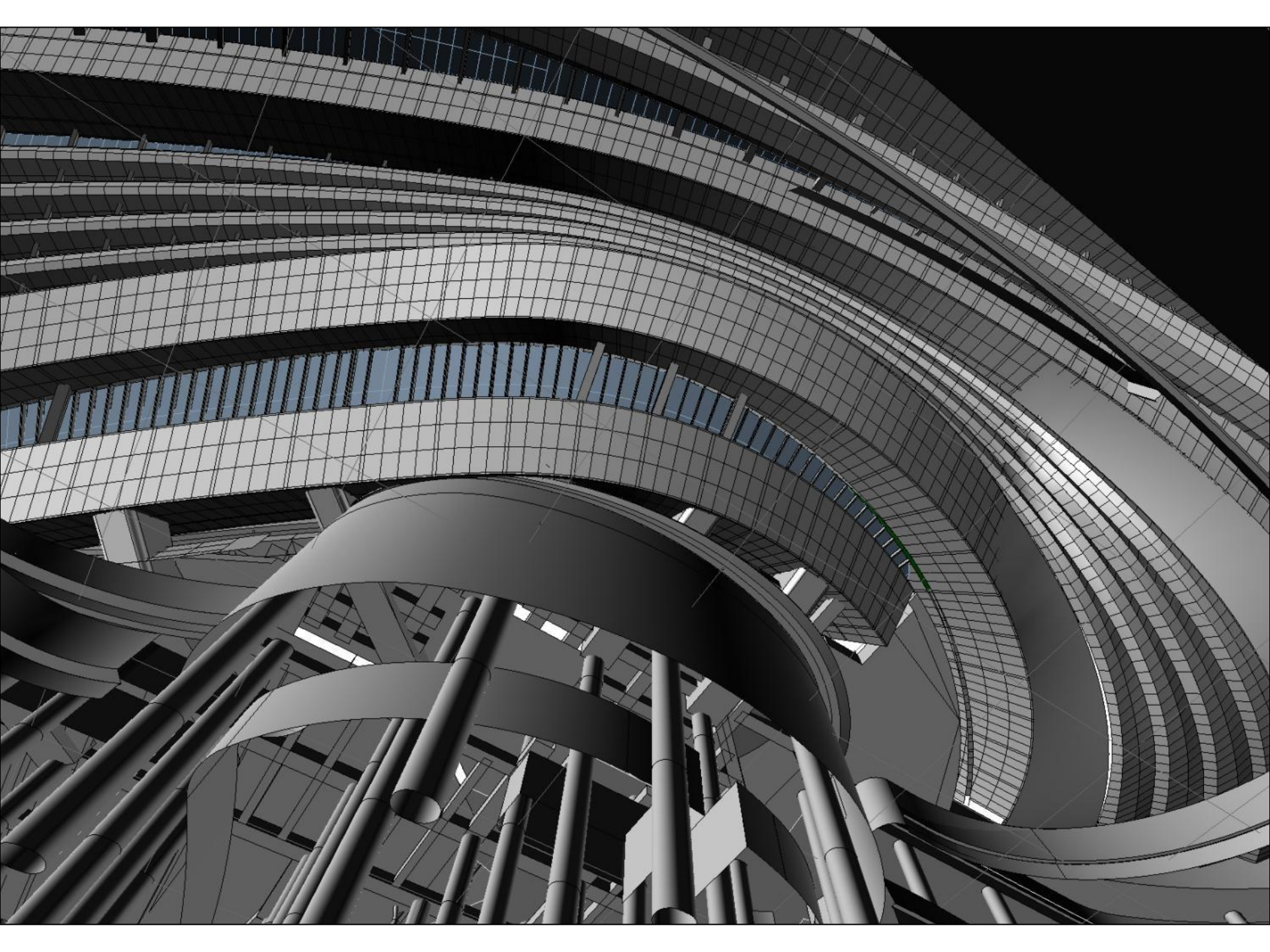
Leg\_1\_Head\_Location 0.53

Leg\_2\_fillet\_radius\_m 20

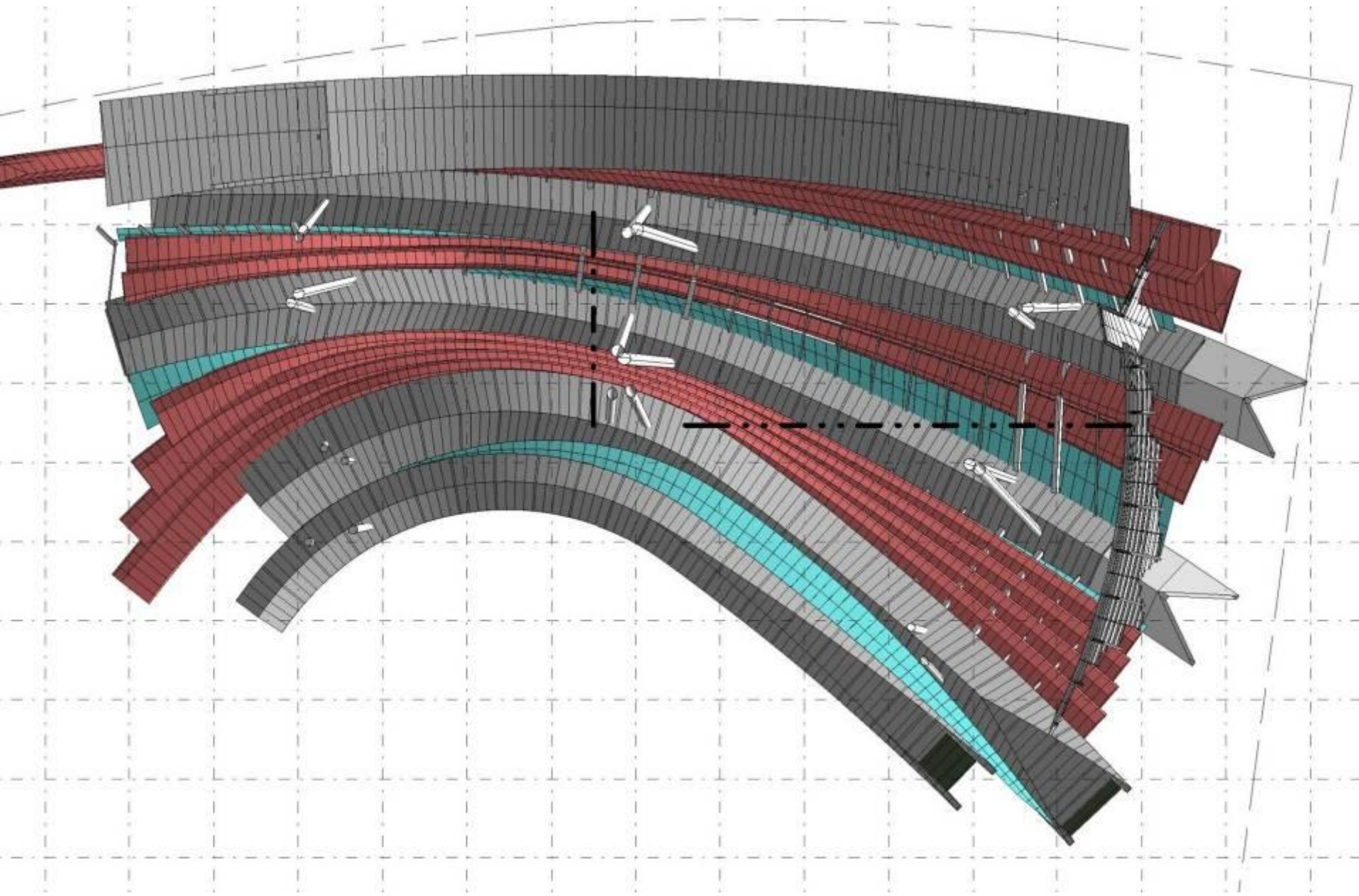
# **NORTH TRUSS ZONE**



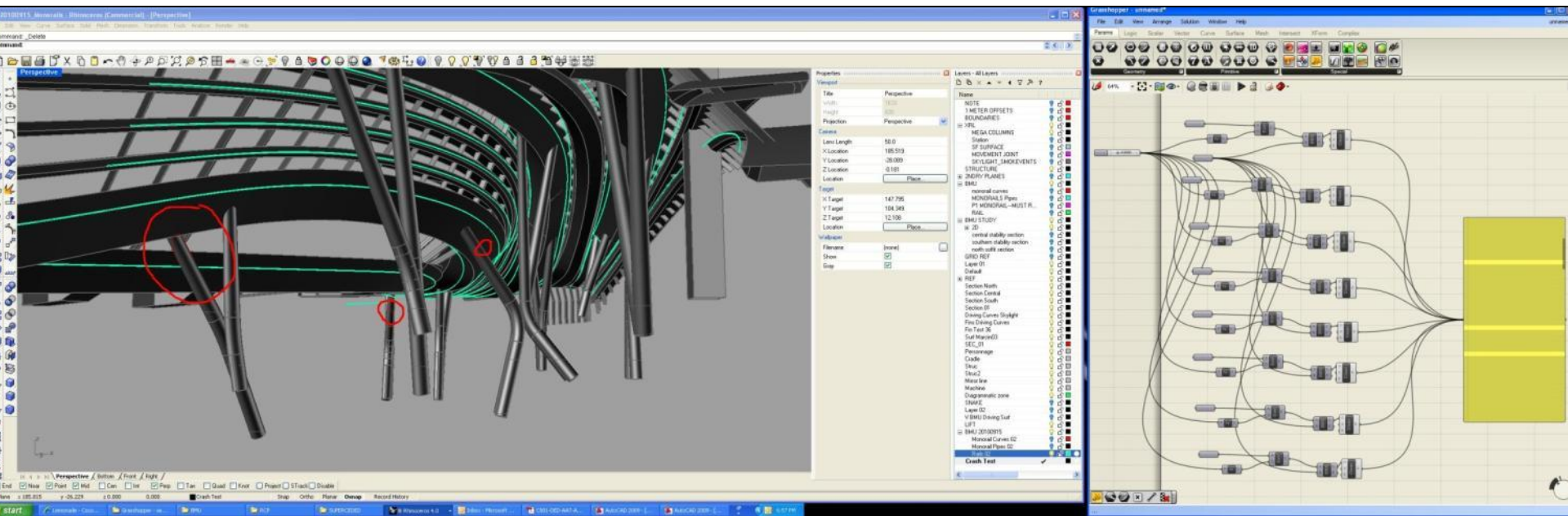








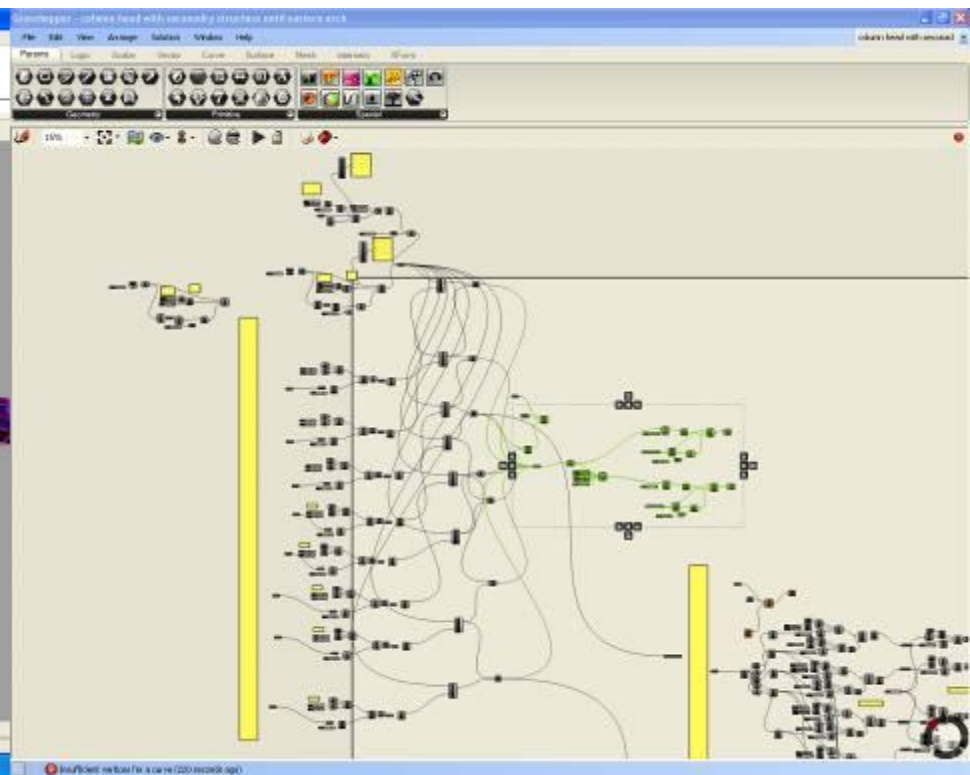
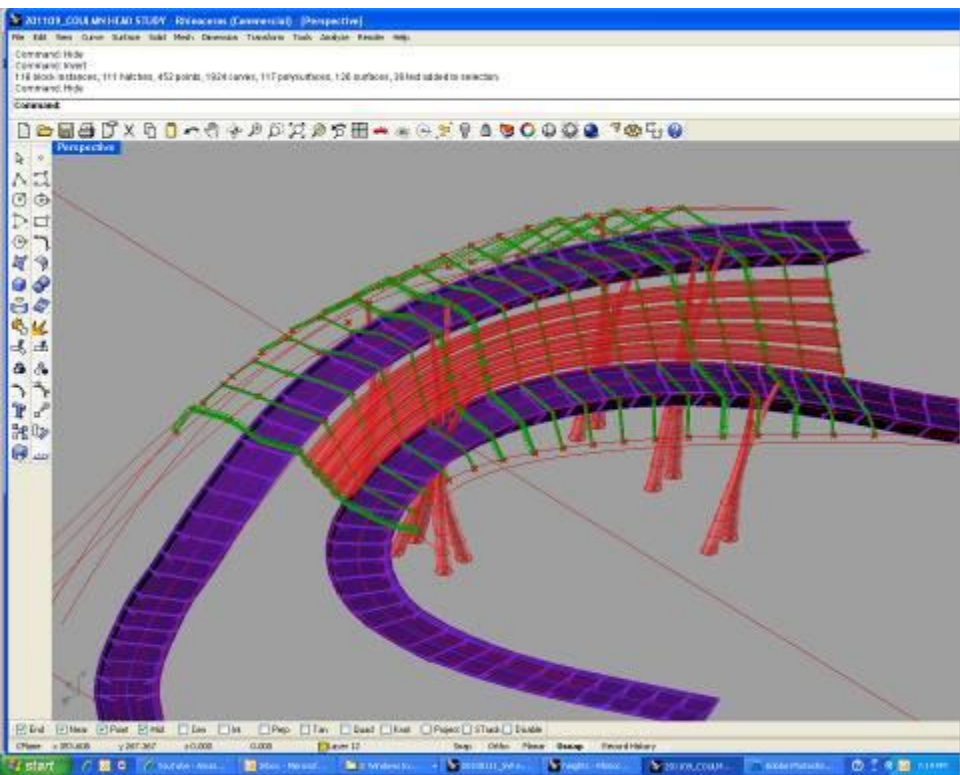


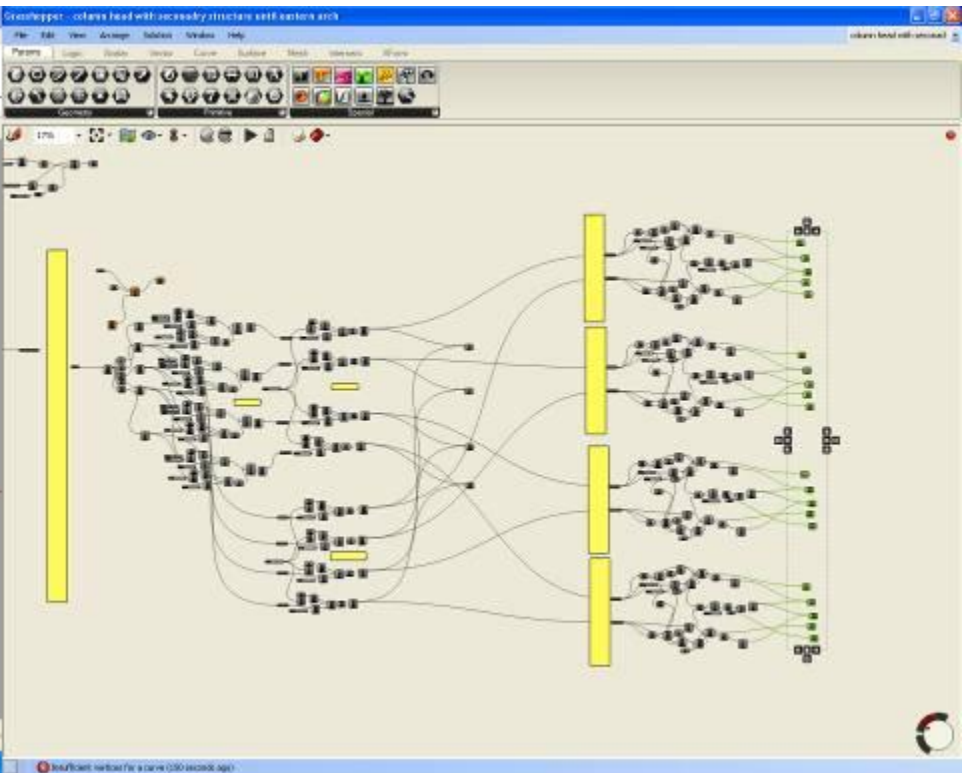


## **SECONDARY STRUCTURES & FINS**

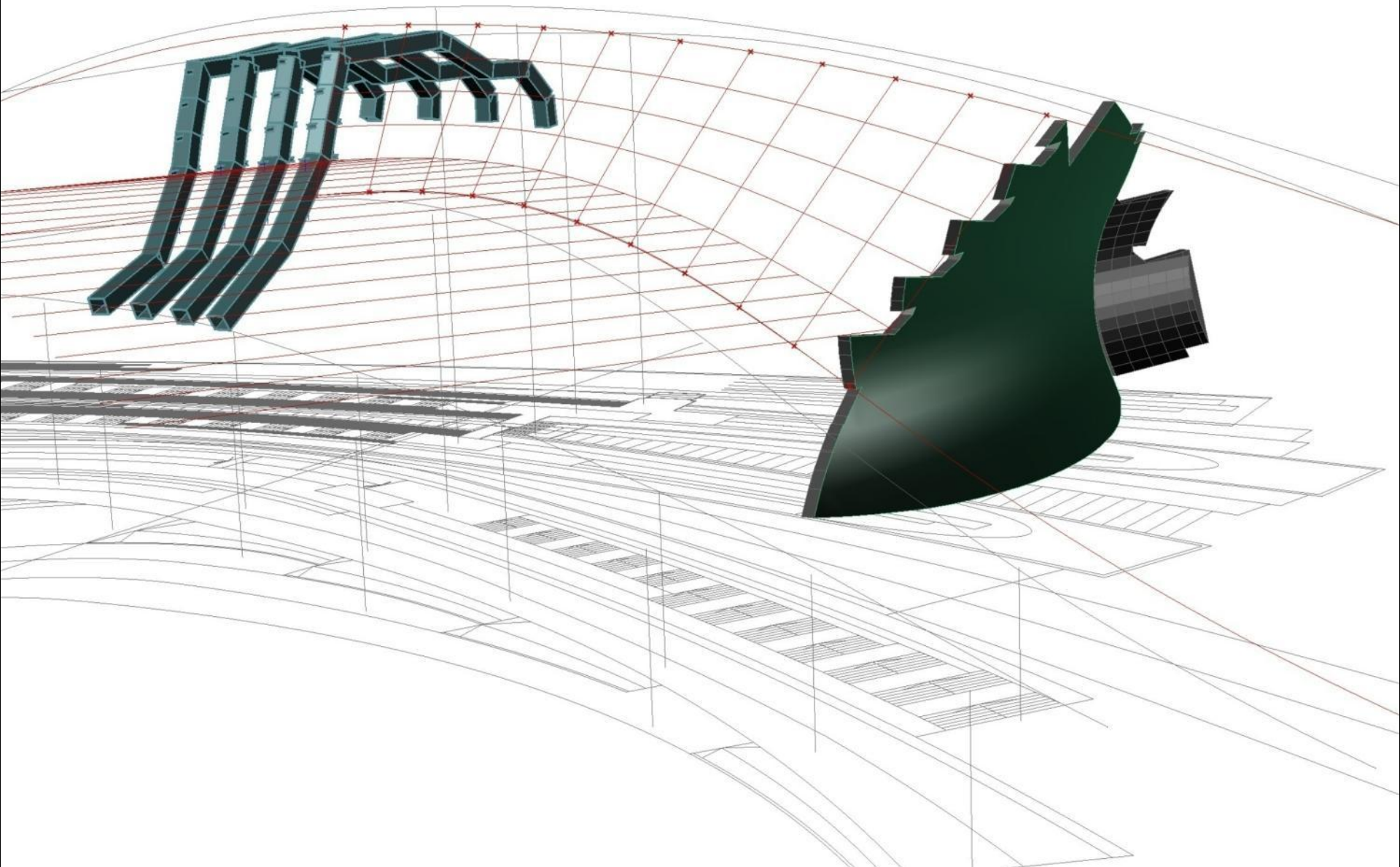


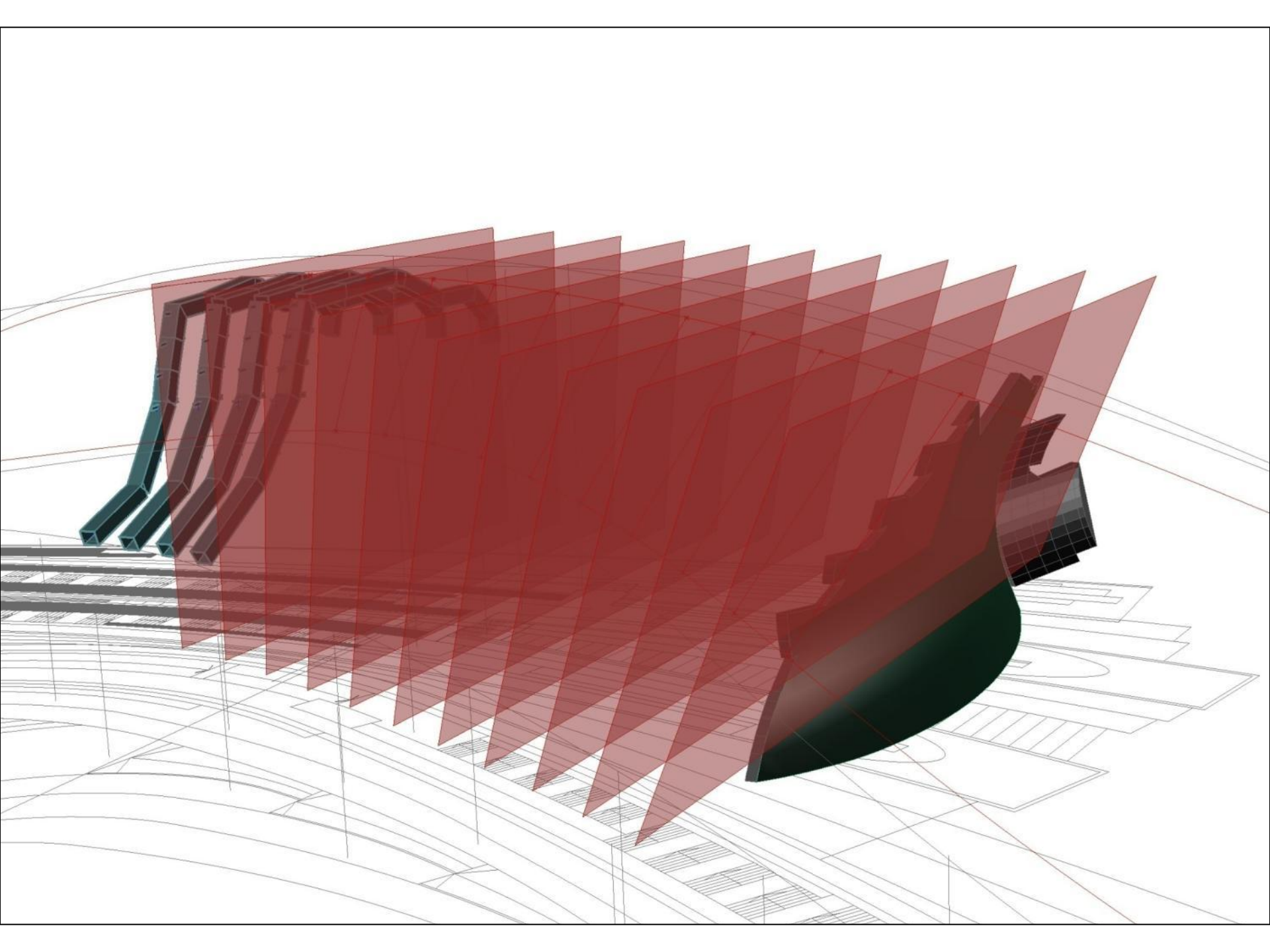




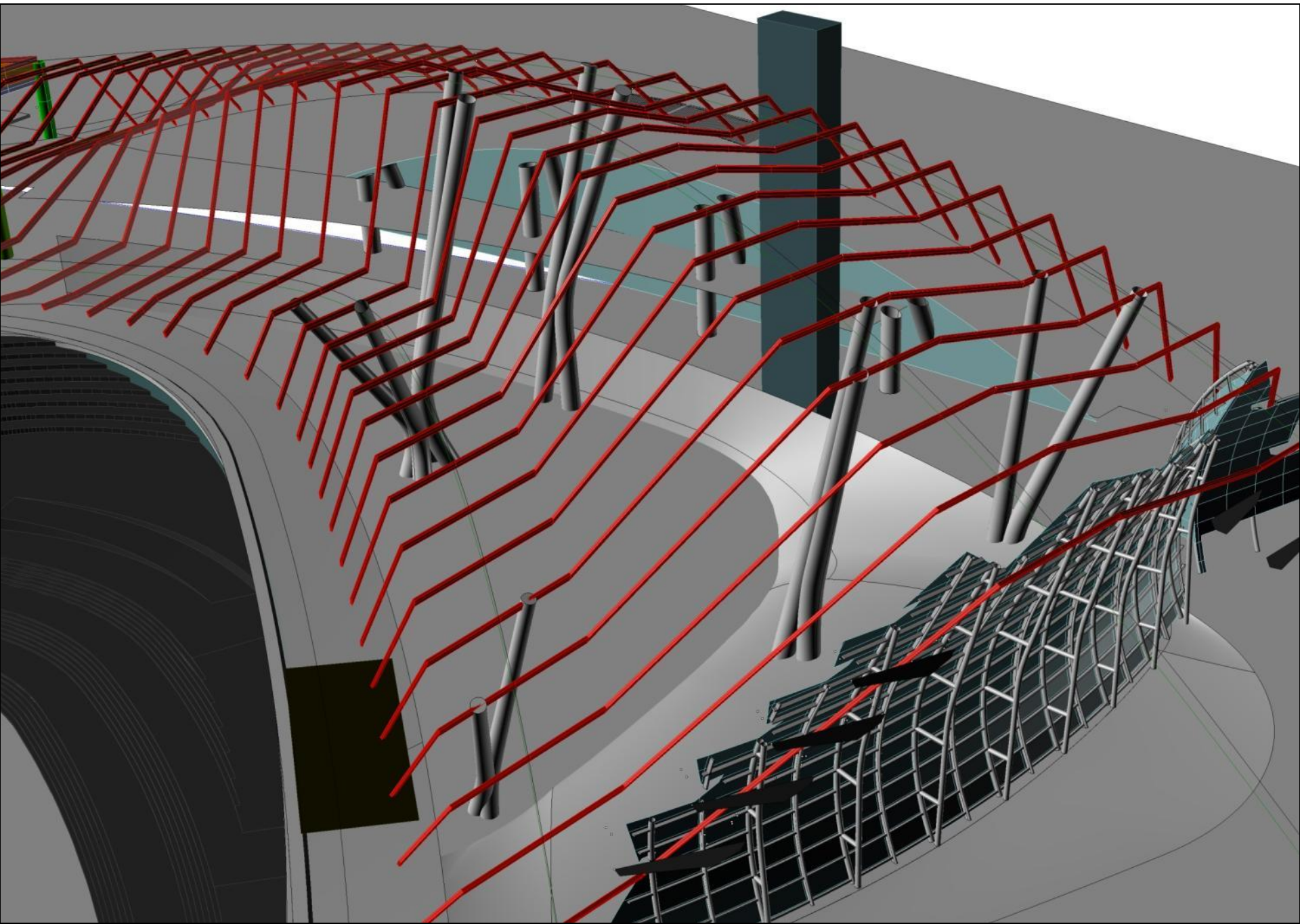


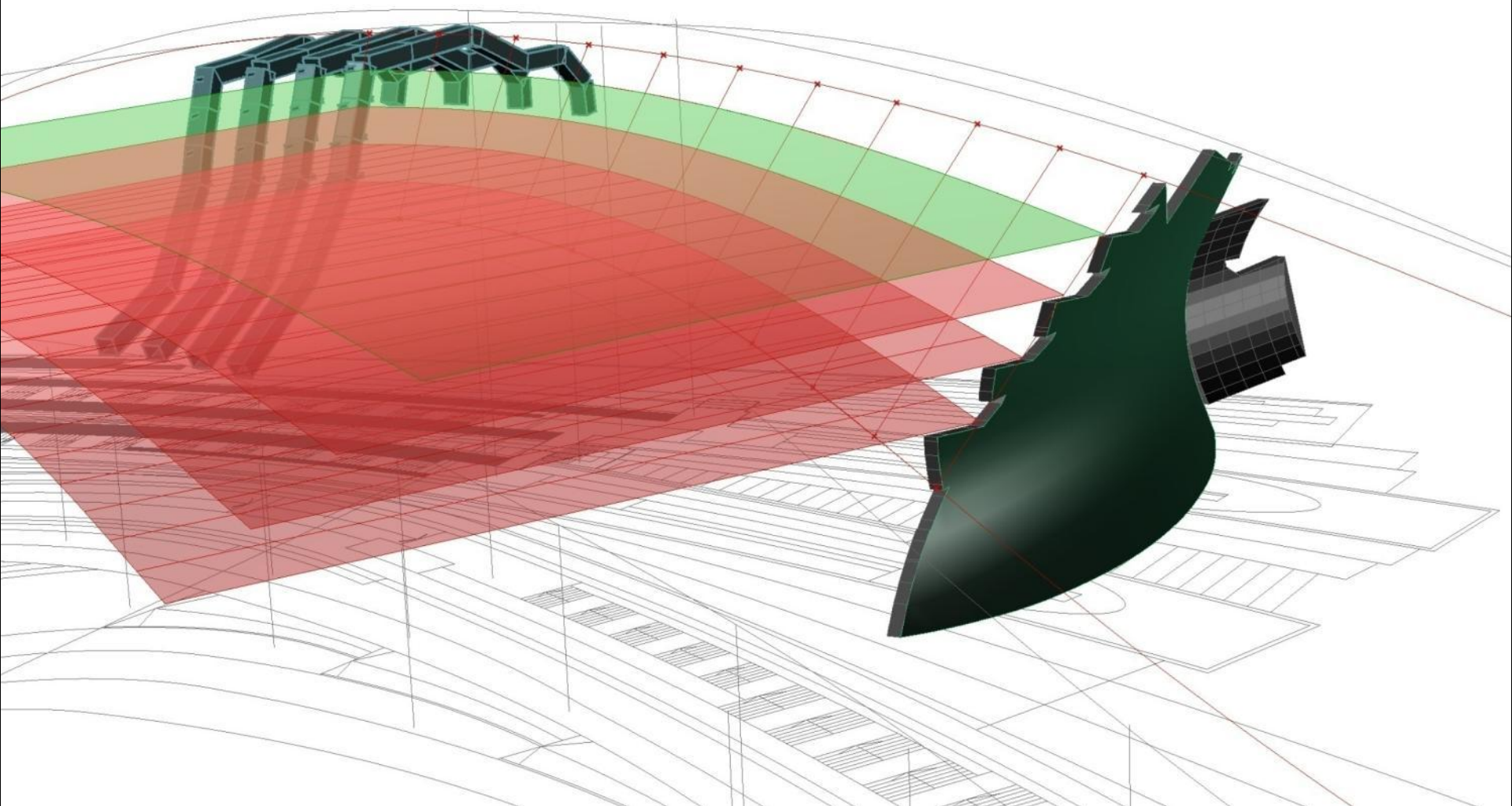




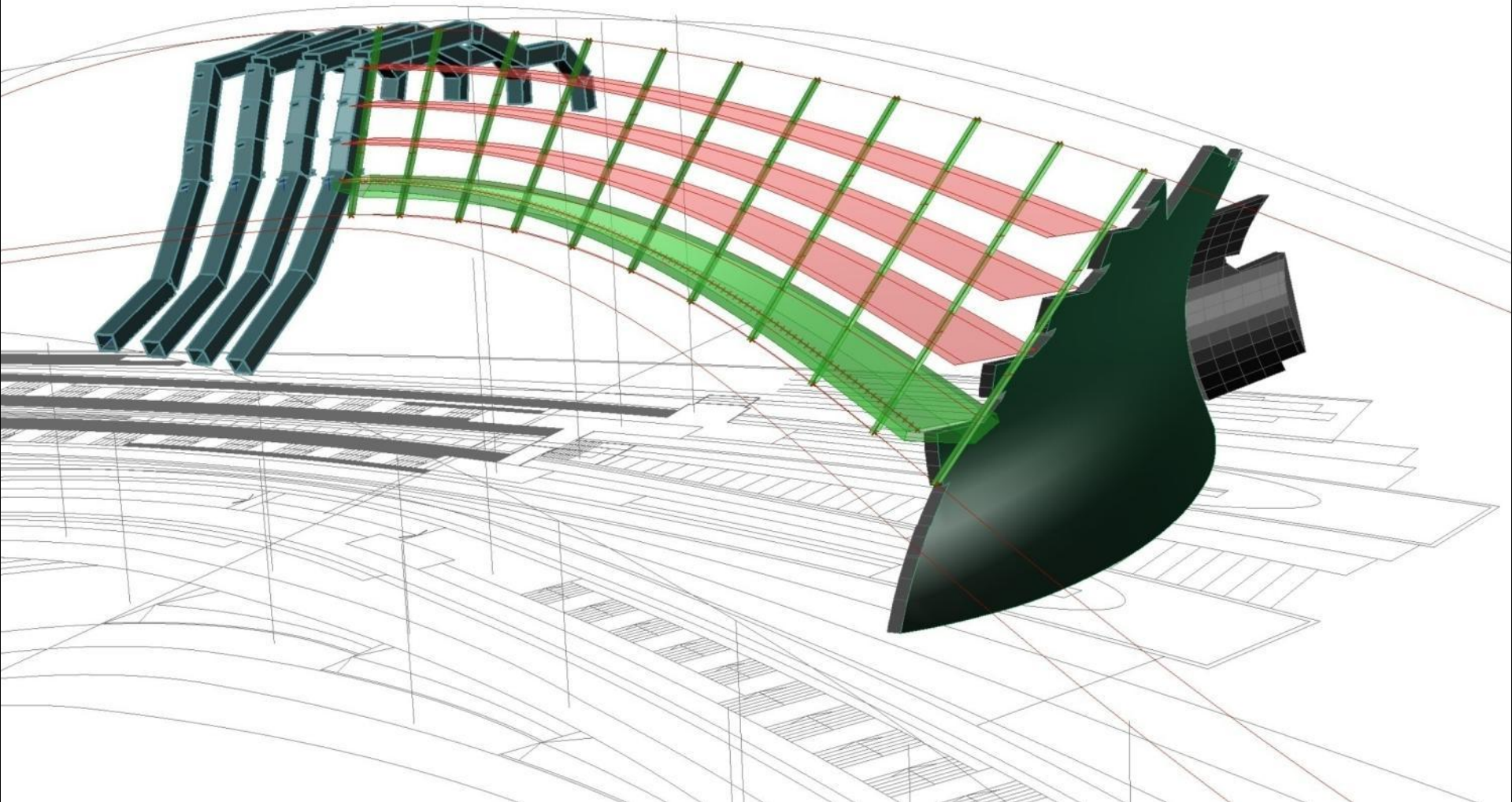


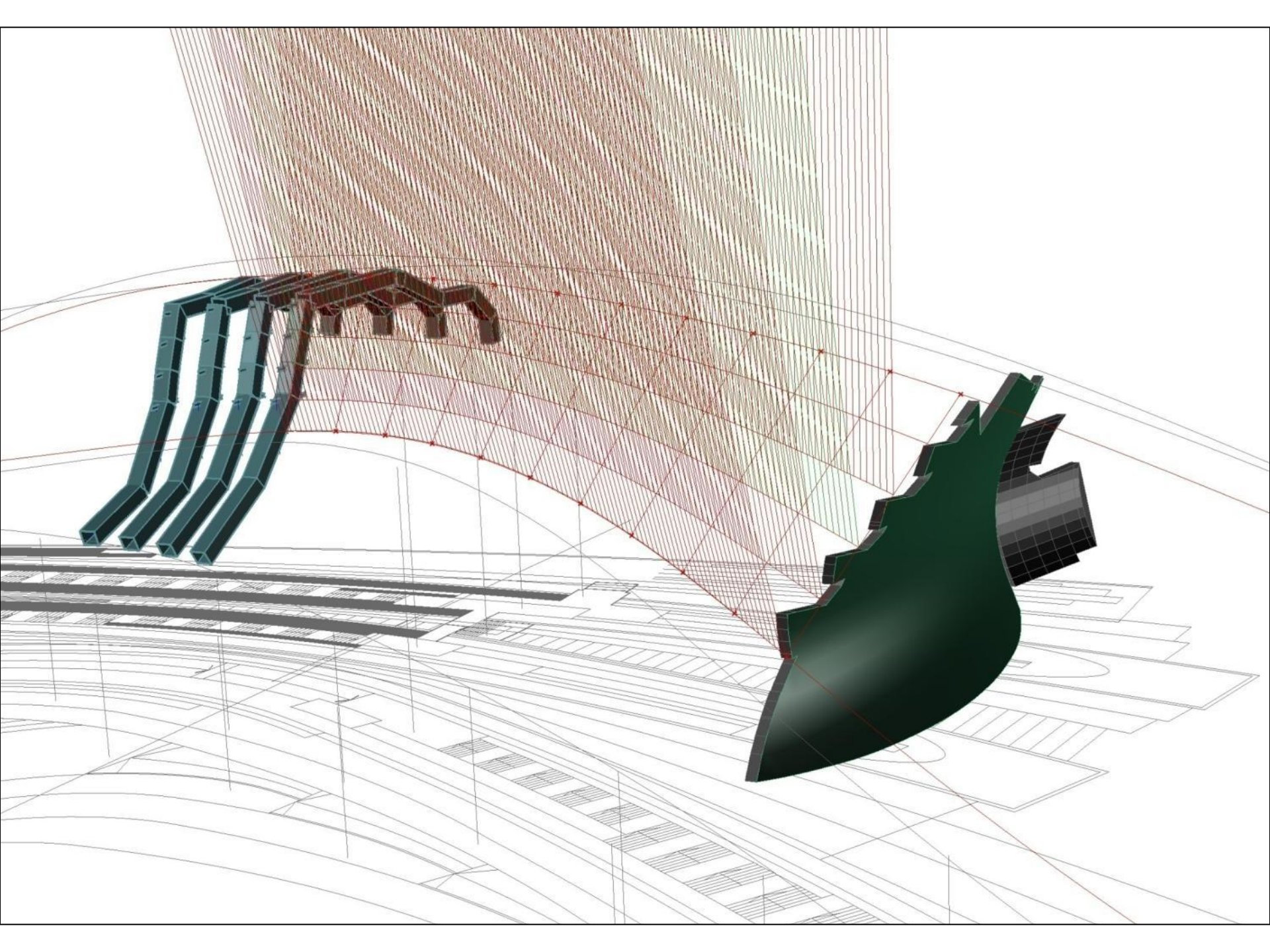






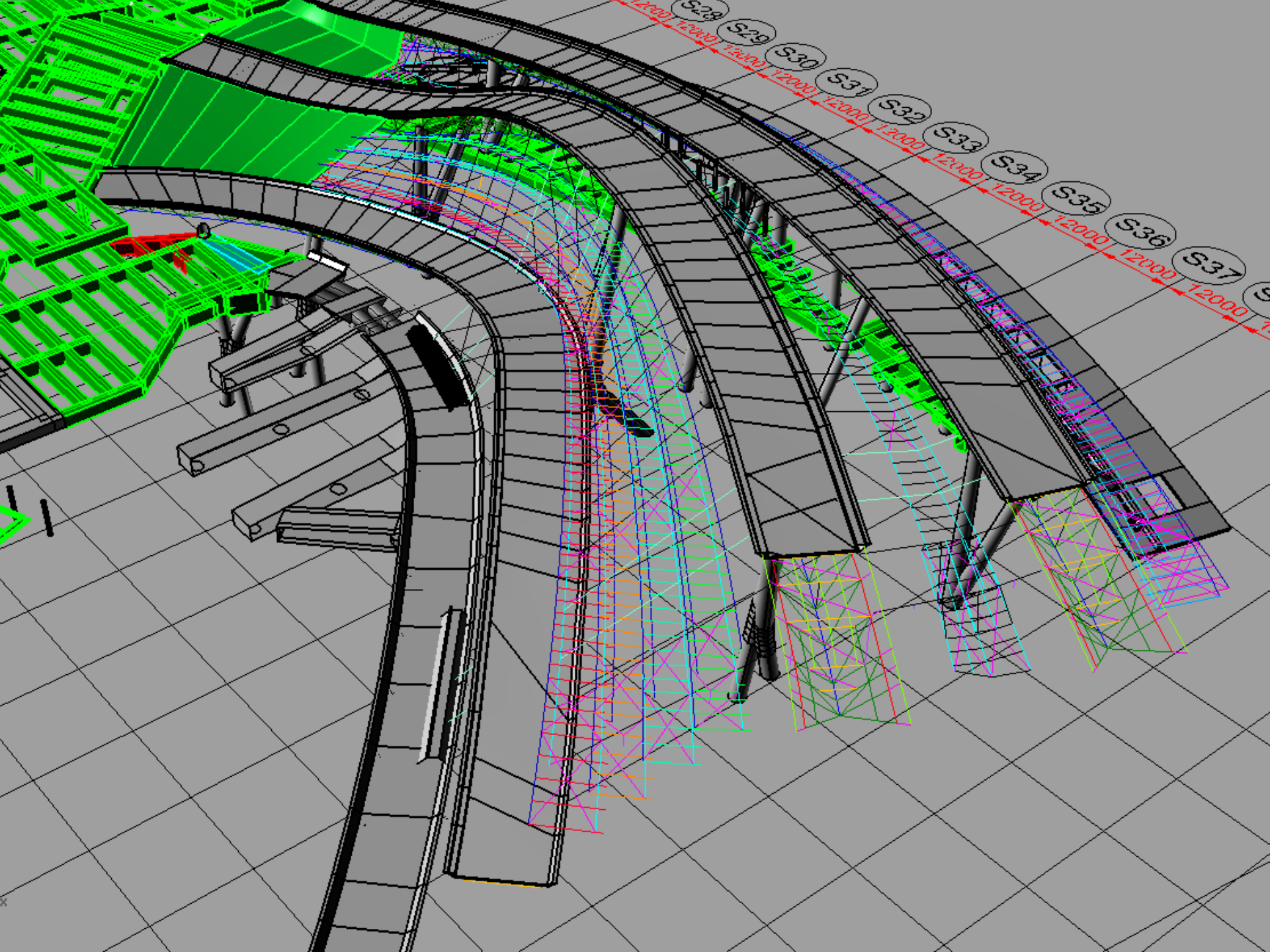




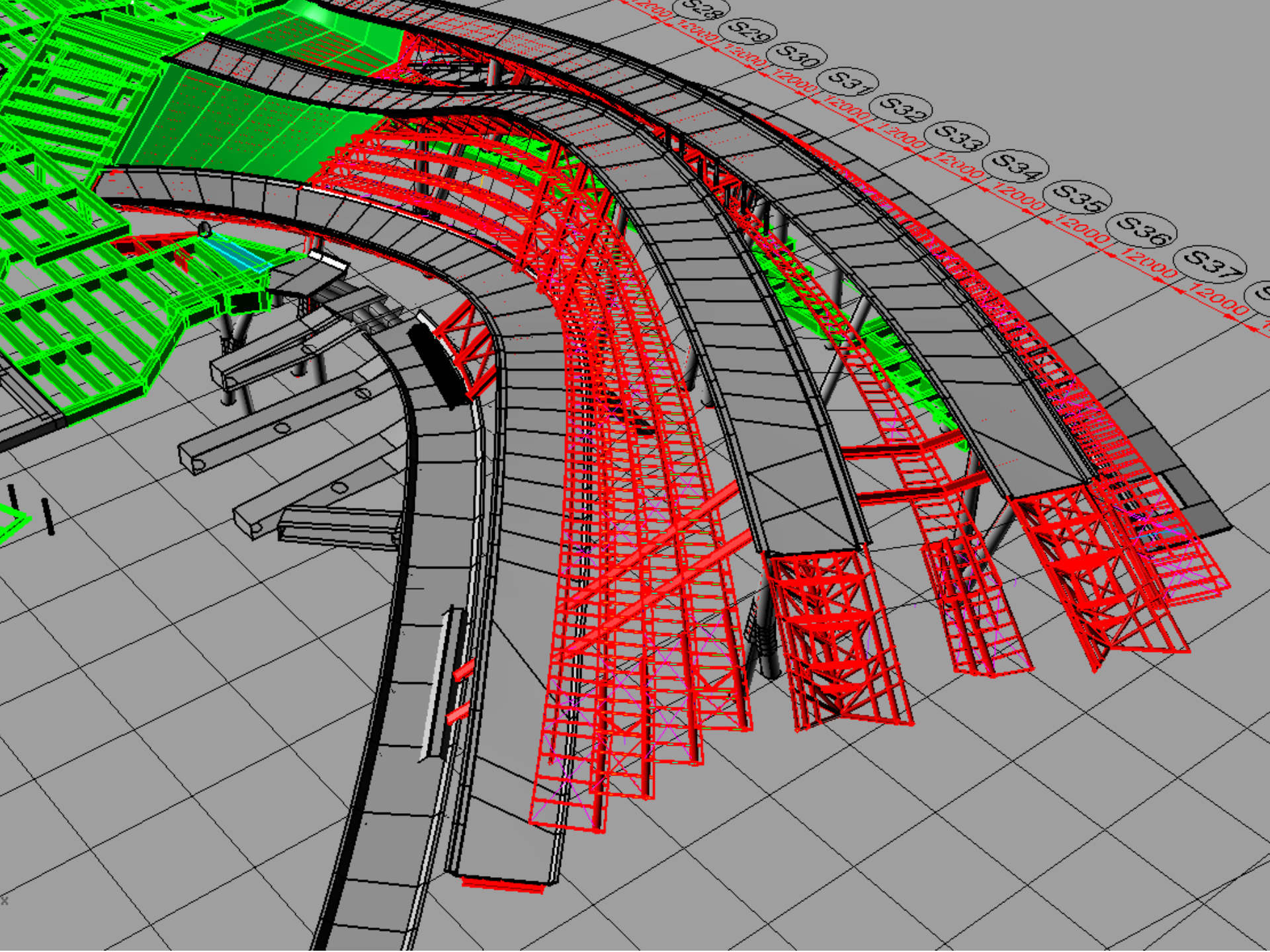


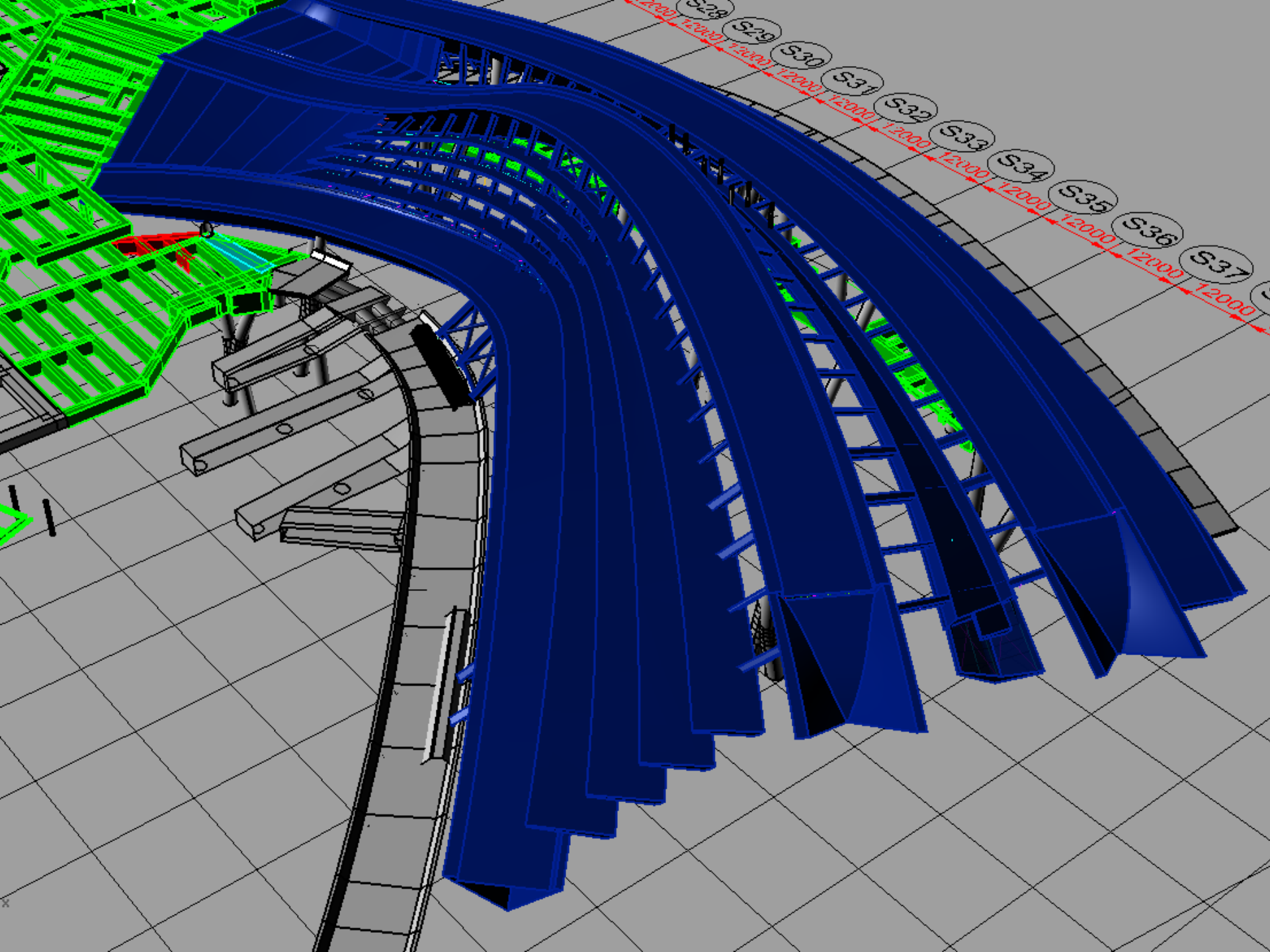






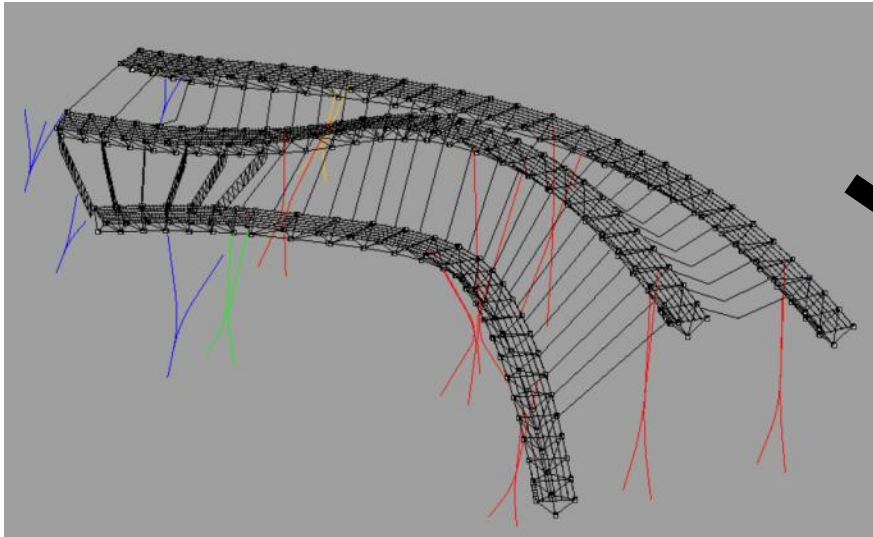




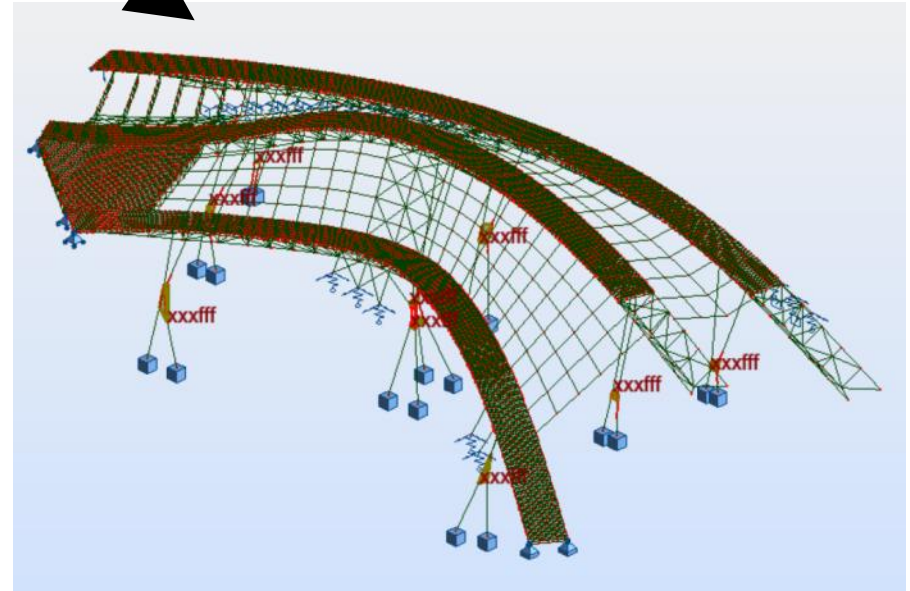
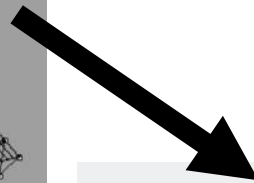




# Importing Geometry



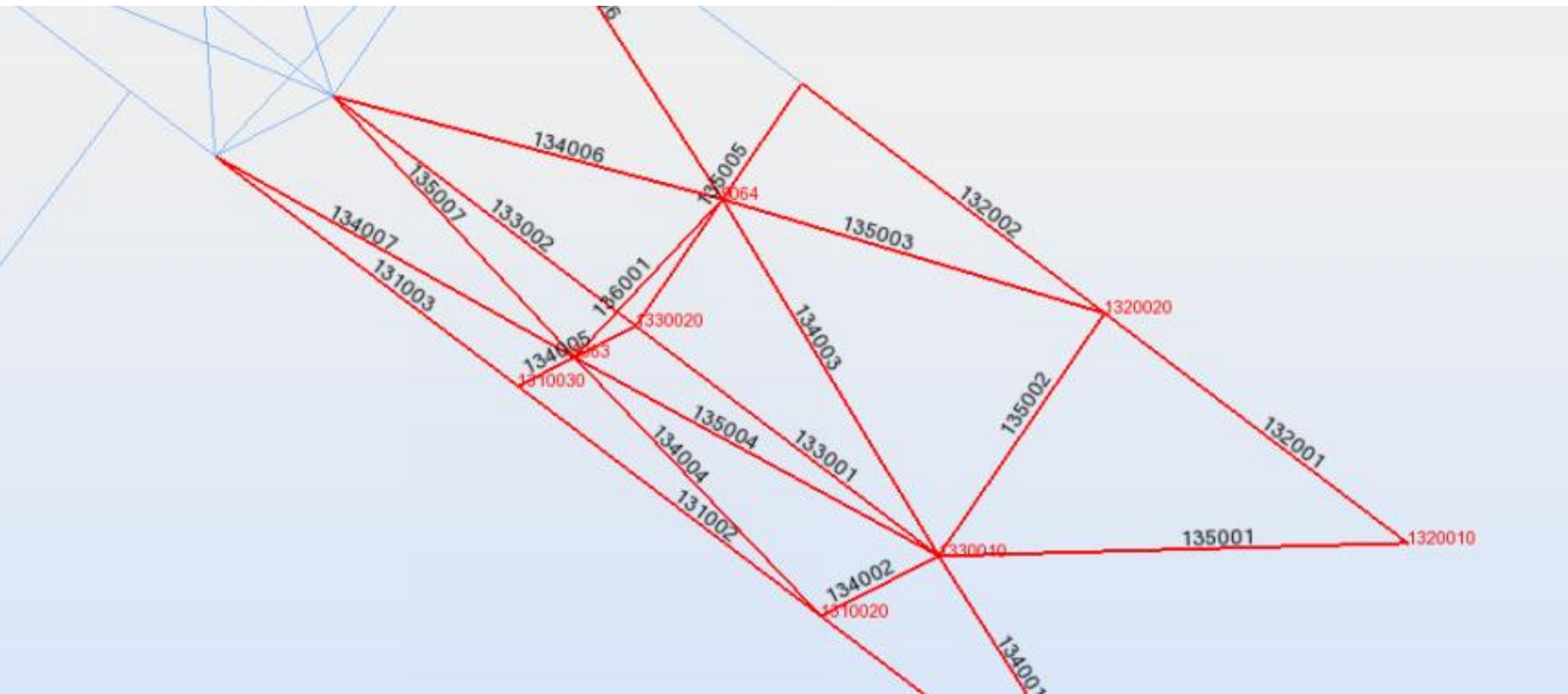
Rhino



RSA

# Automated Member and Nodal Numbering

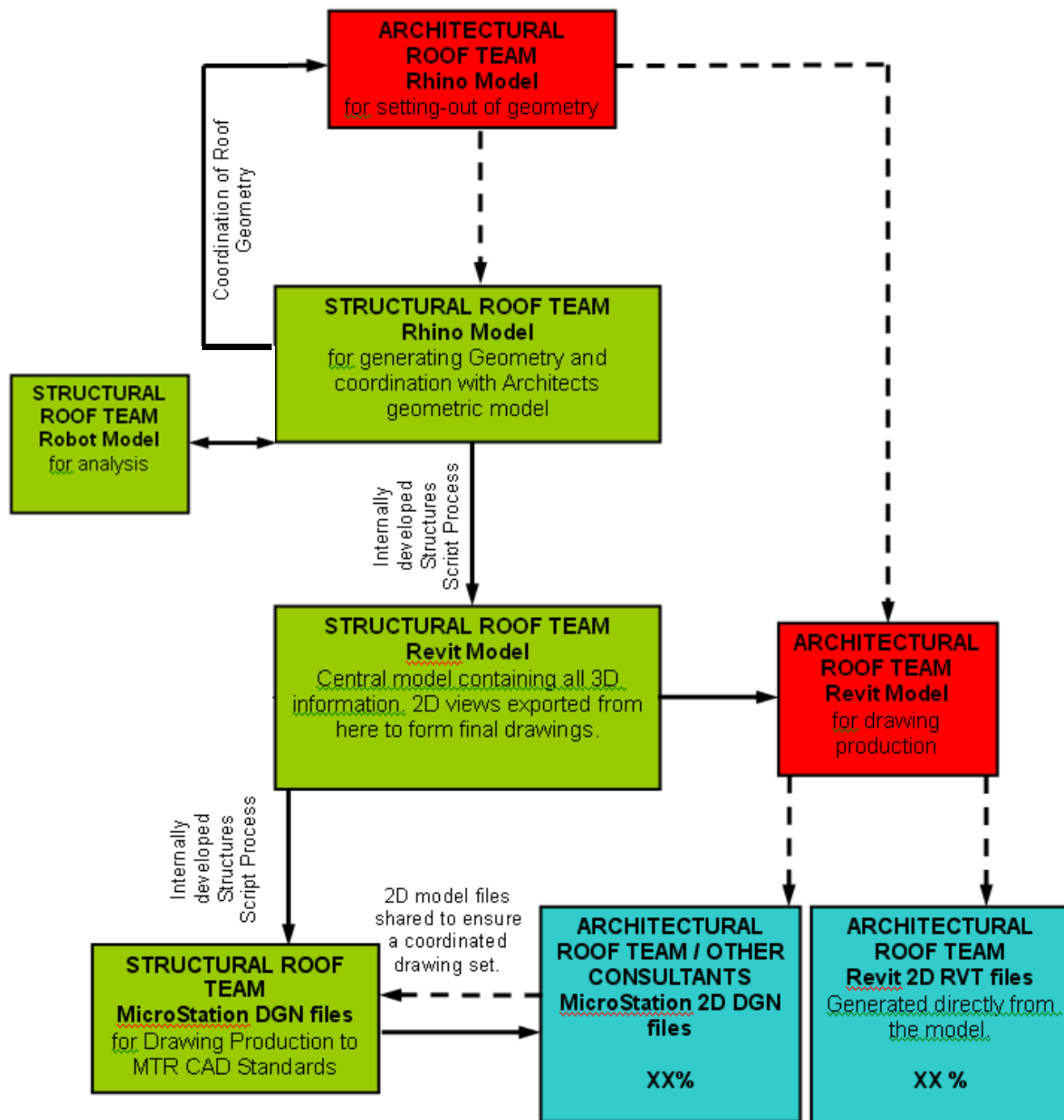
- For final coordinate and member presentation.
- Links to our in-house design tools where renumbering can occur through use of scripted processes.





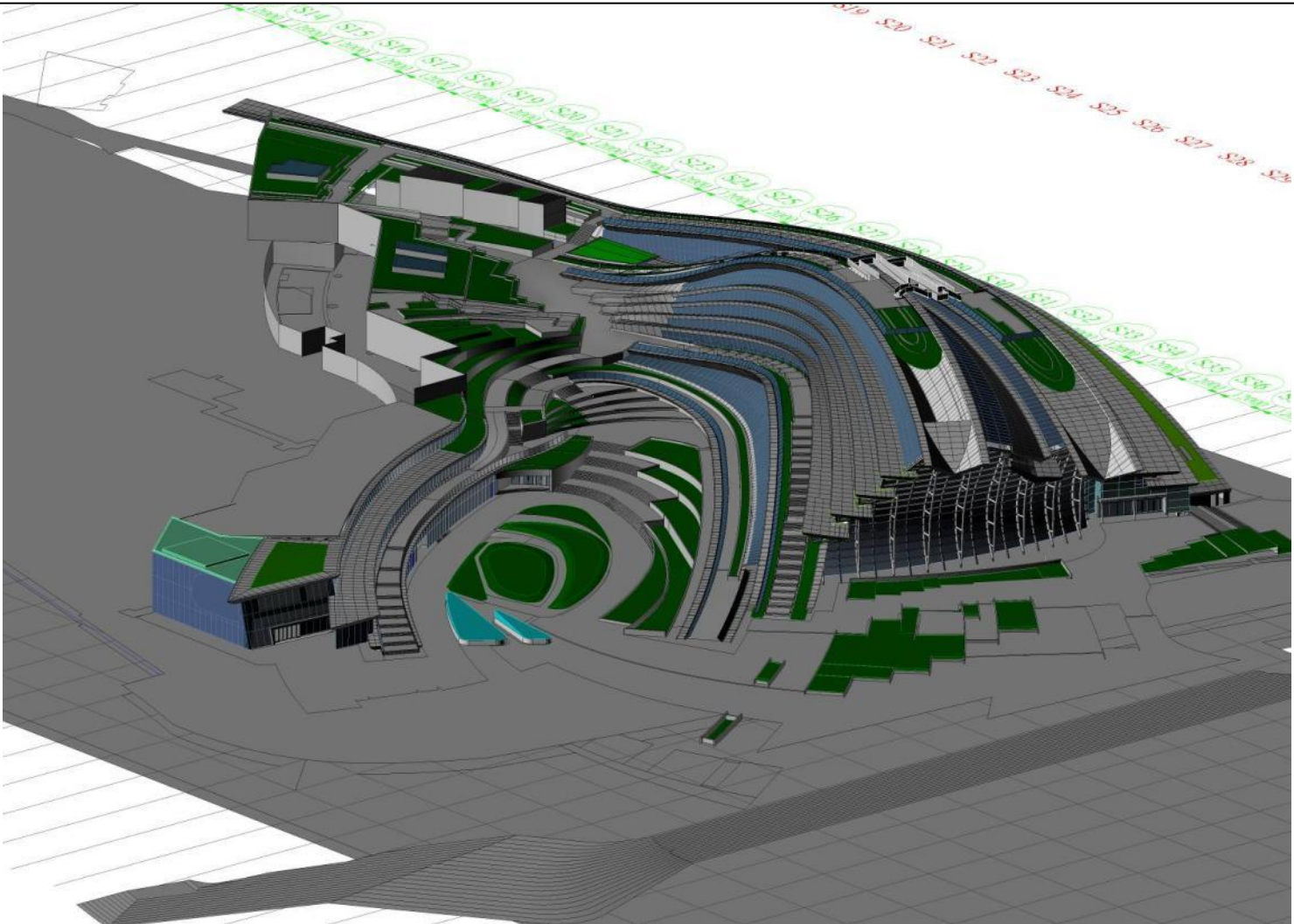
# MODELS



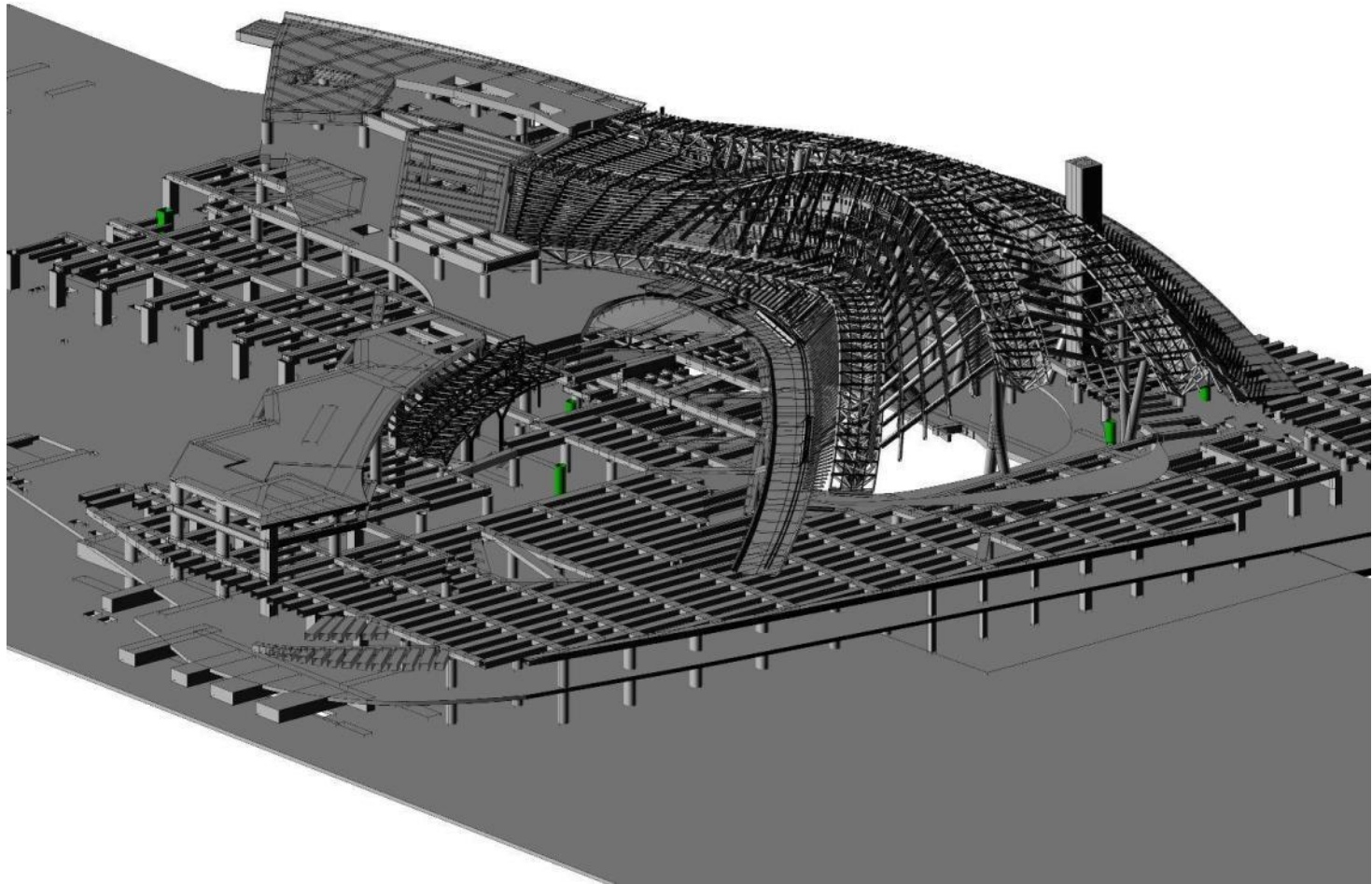




# Rhino Model (Architectural)

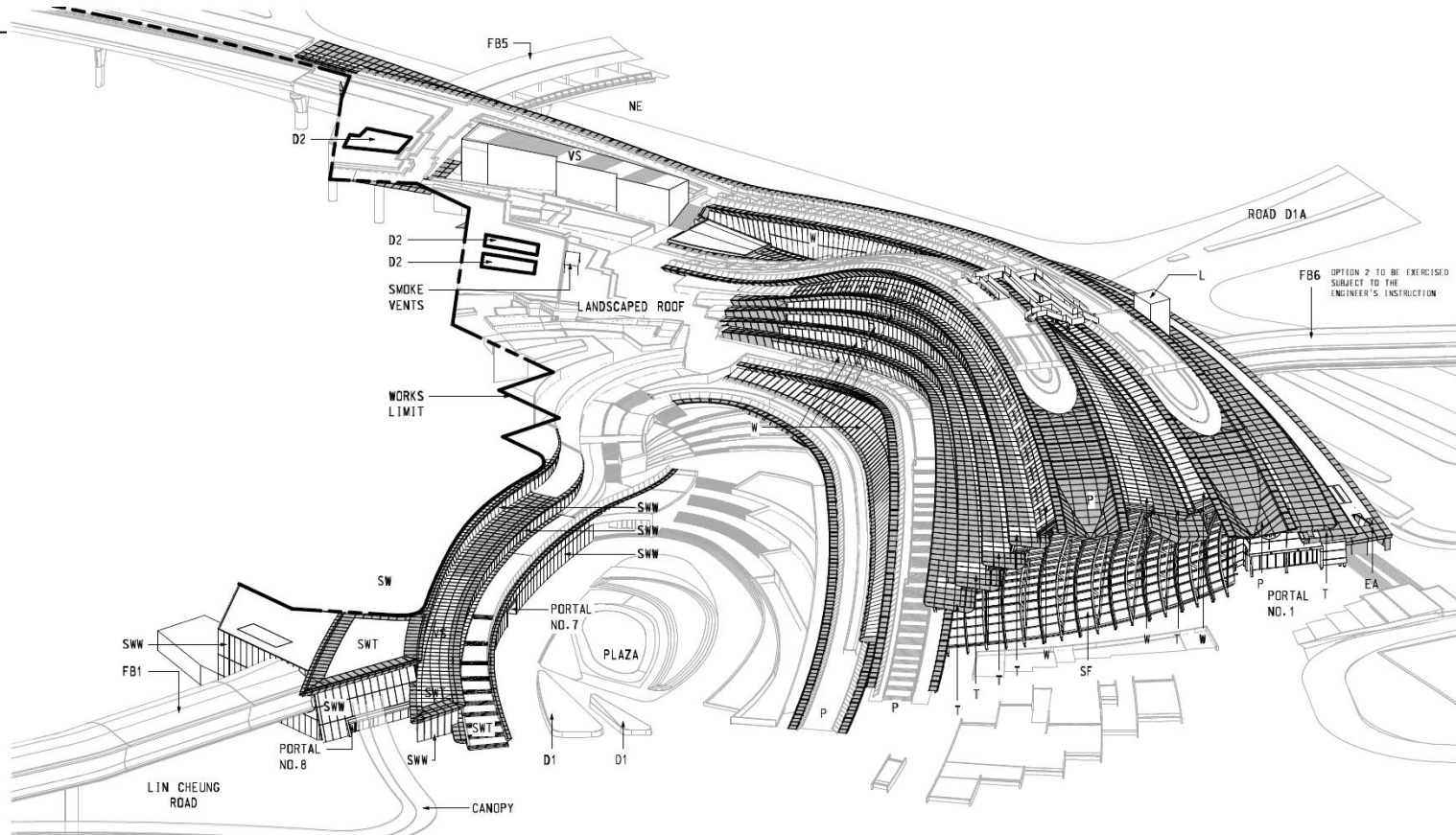


# Rhino Model (Structural)

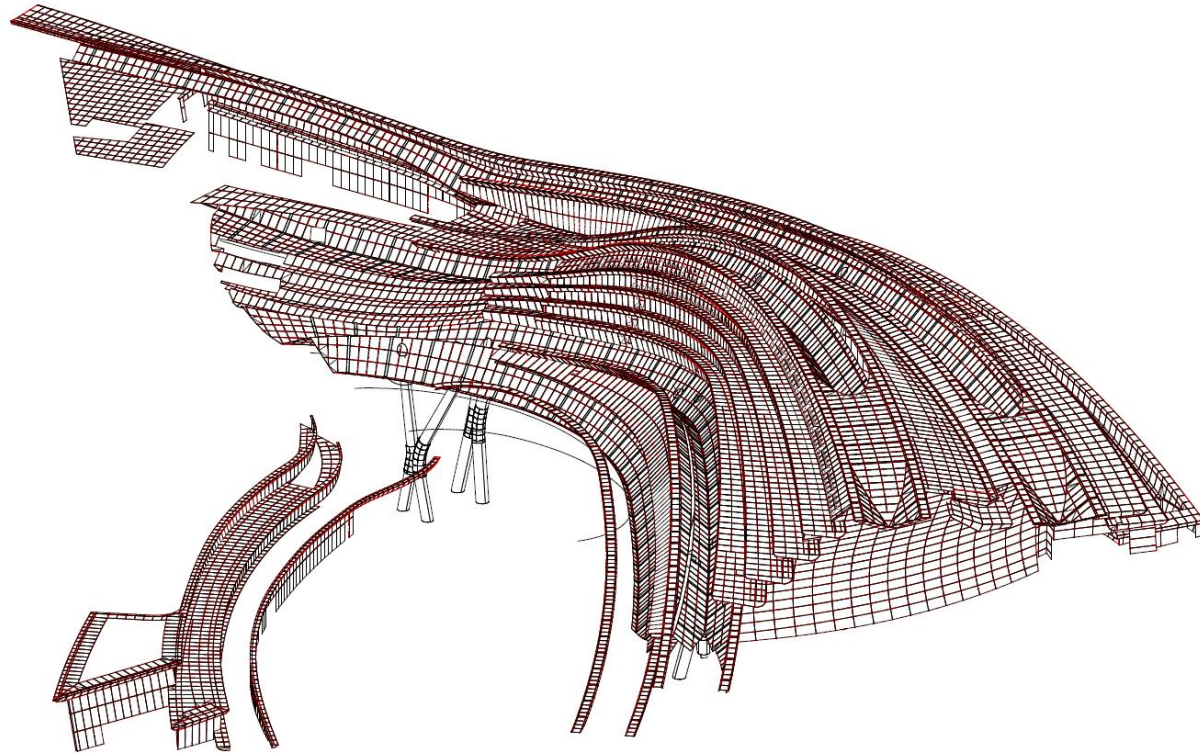




# Revit Model (Production)

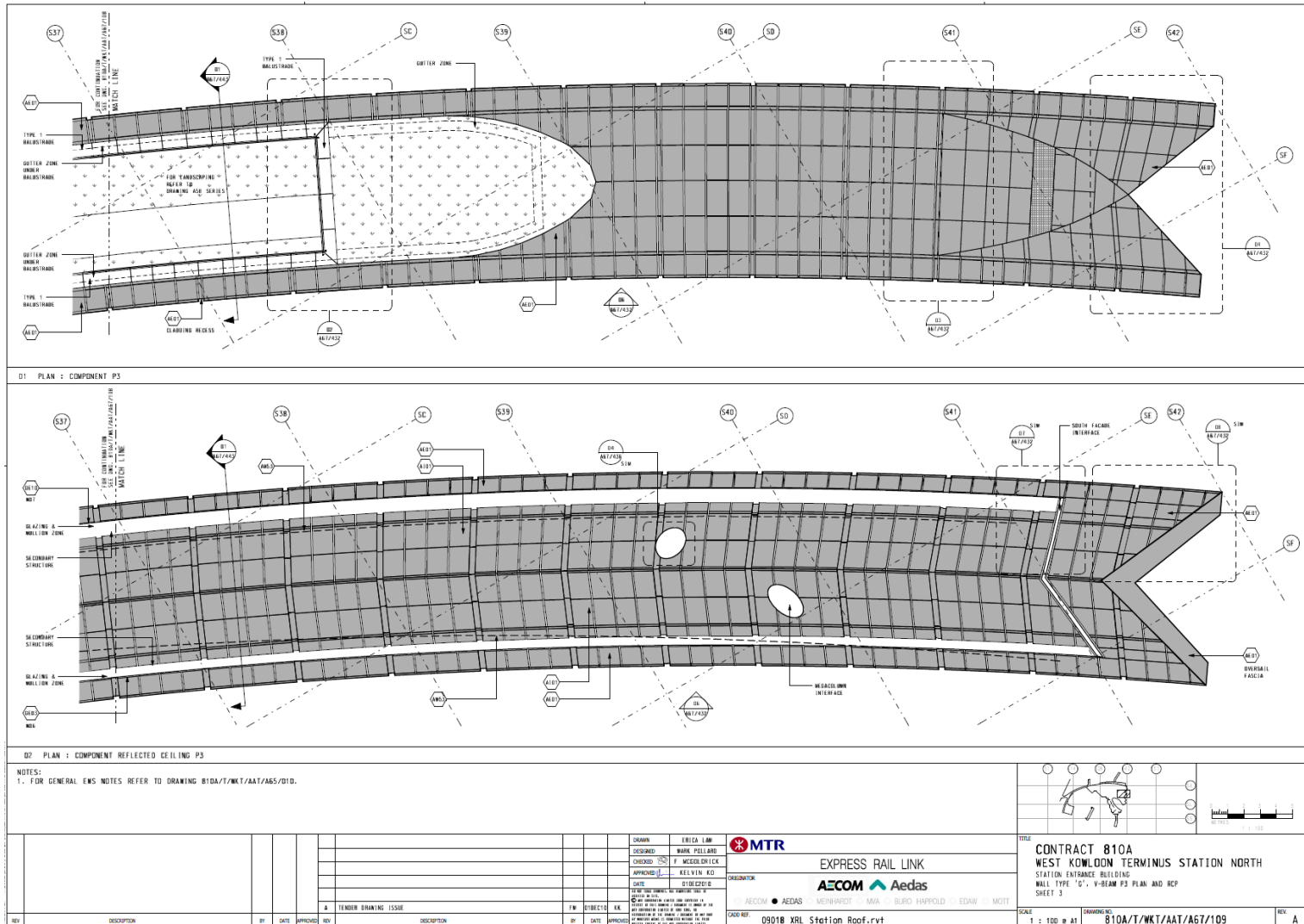


# Revit Model (Contract)

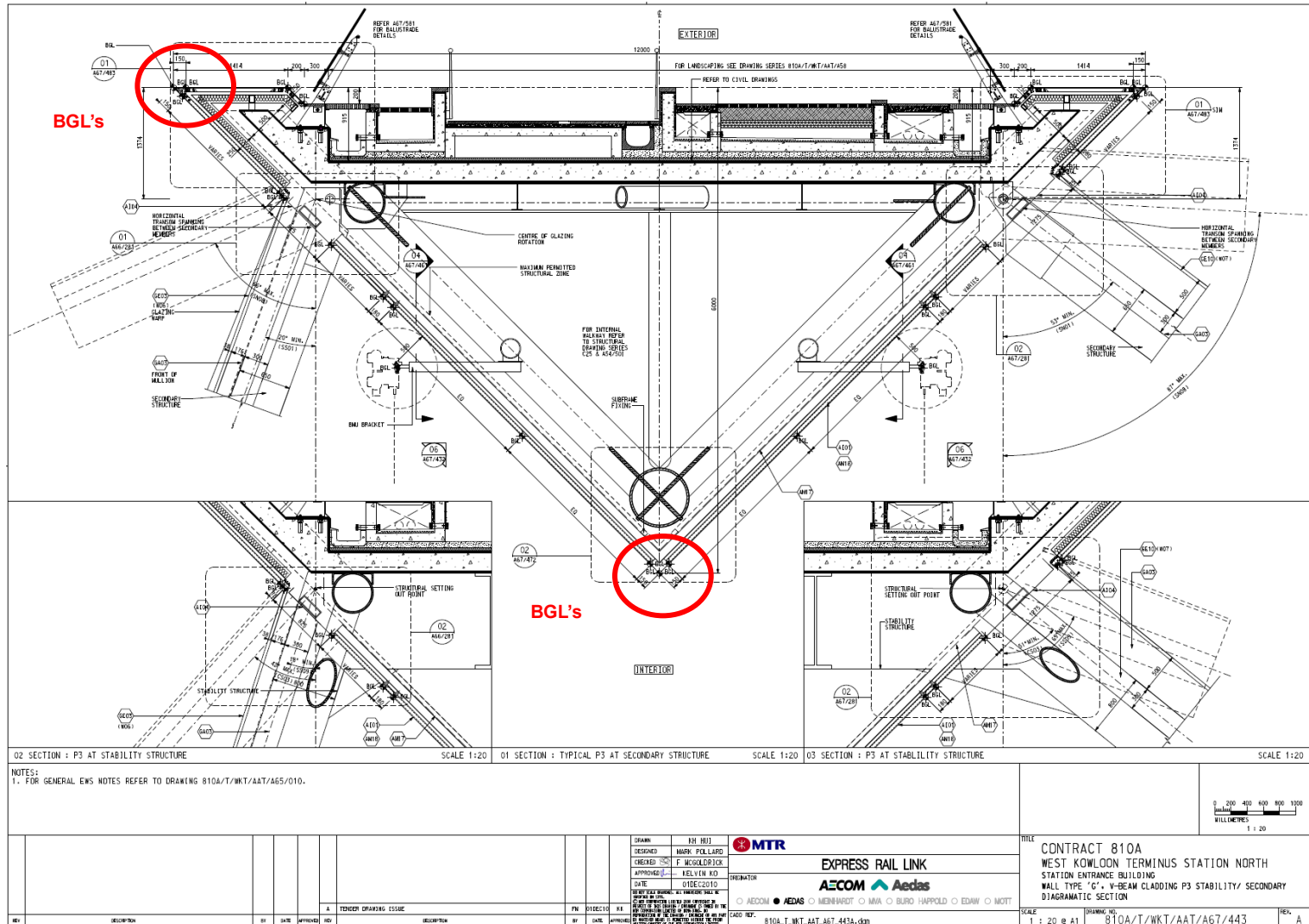




# Drawings - scope (from Revit Model File)

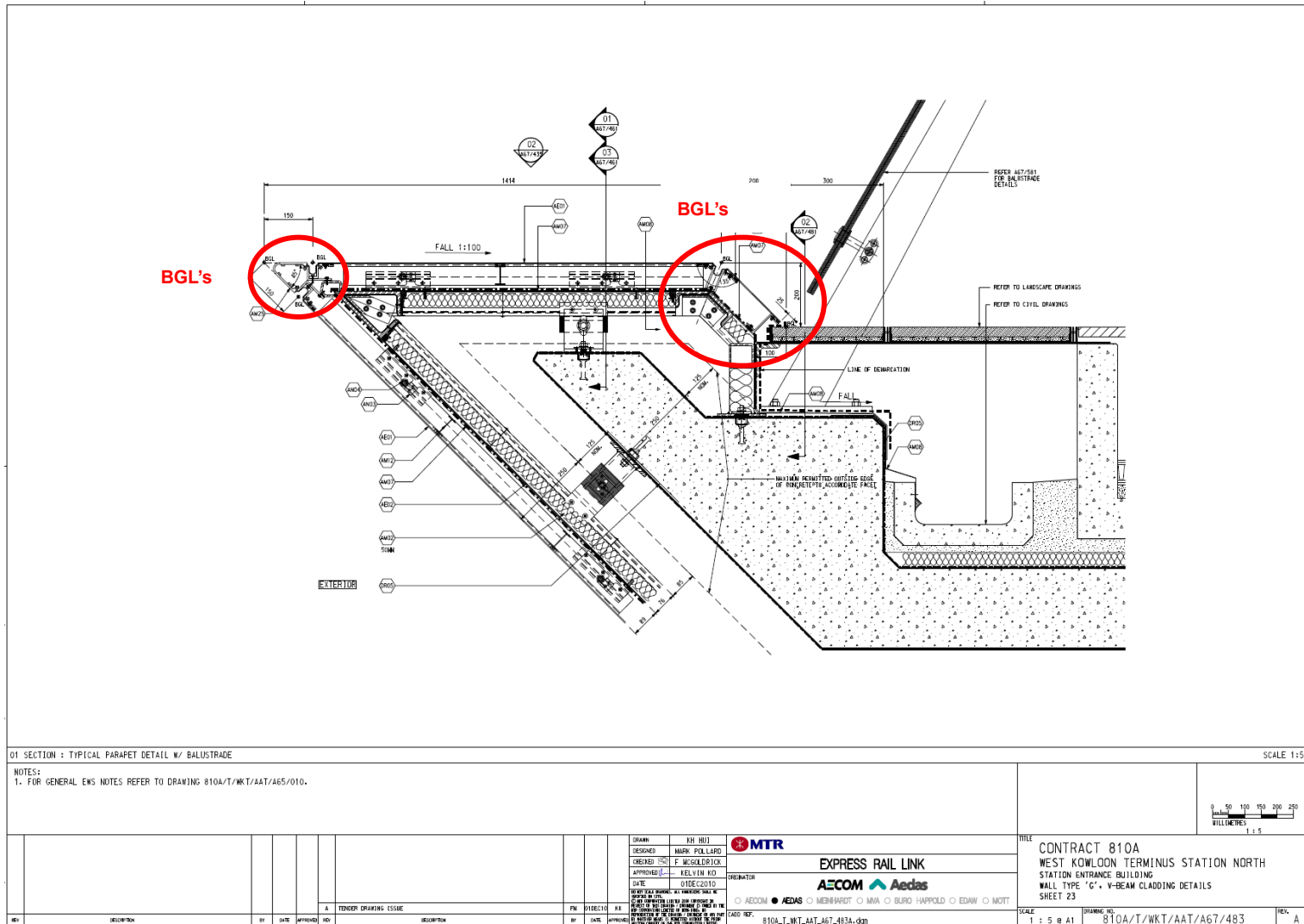


# Drawings - detailed scope (with BGLs)





# Drawings – EWS details (with BGL's)



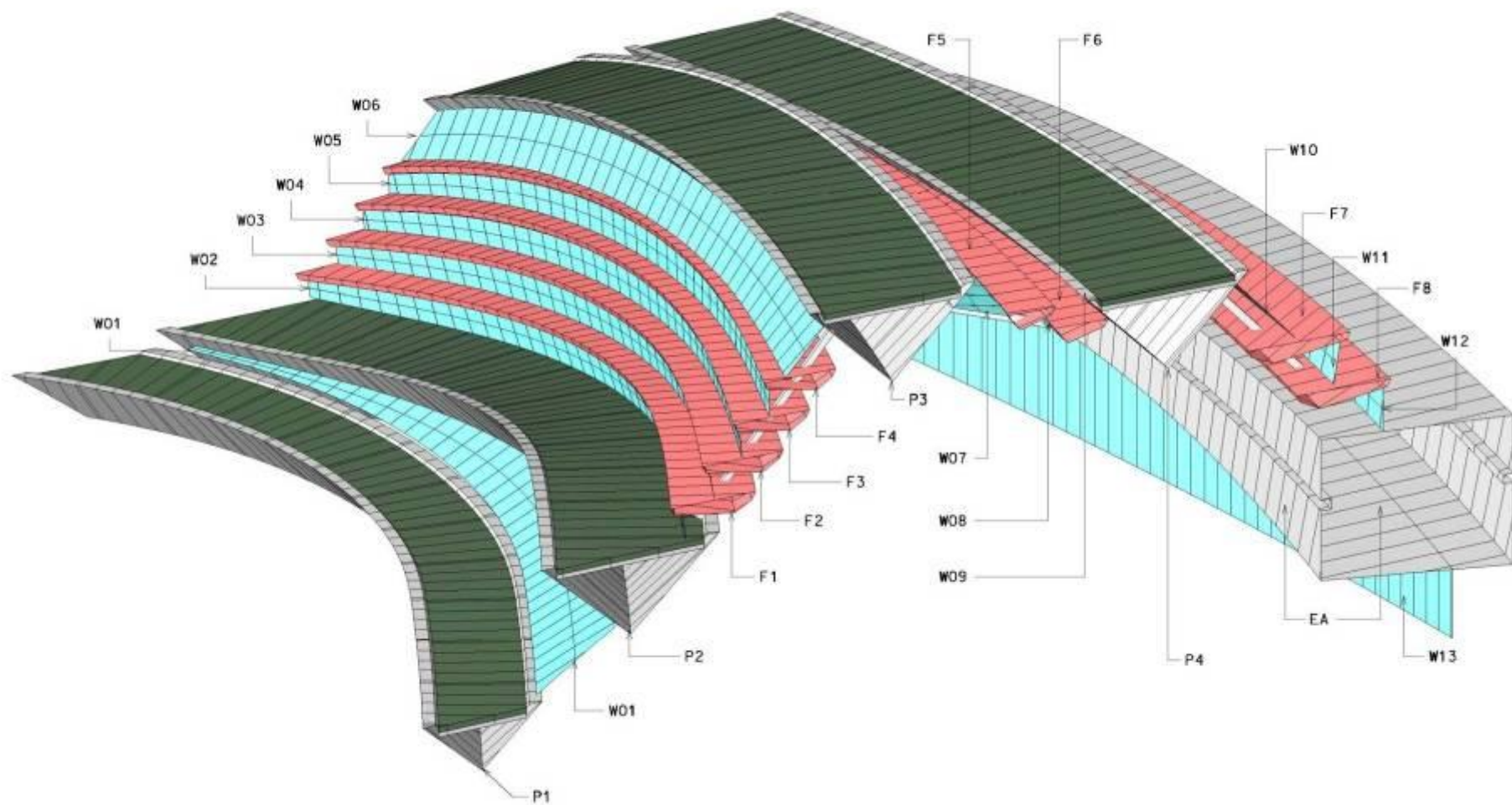
# Drawings – Panel Sizing Schedules

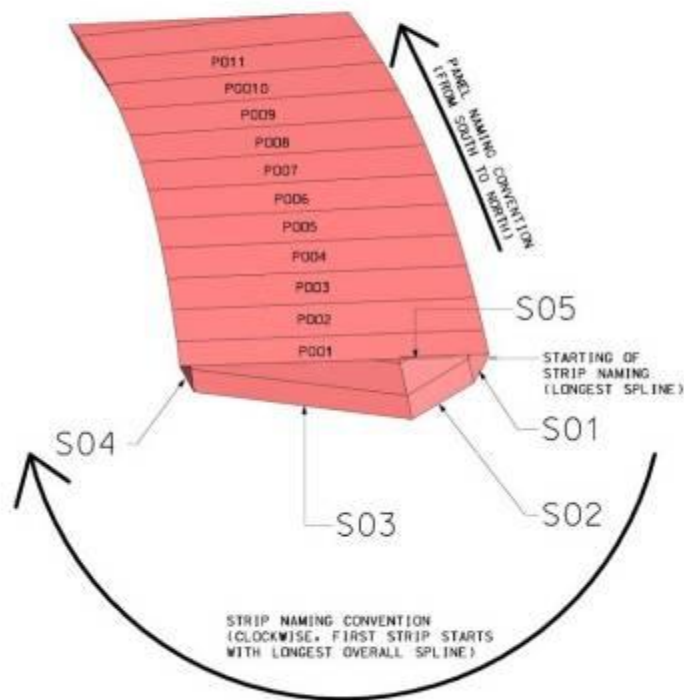
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131									
Area Code										Municipal Code										Municipal Type 'G' - vs. 1913 A. U. Municipal groups 131										Area Code										Municipal Code										Municipal Type 'G' - vs.																																							

NOTES:  
1. FOR GENERAL EWS NOTES REFER TO DRAWING B10A/T/WKT/AAT/A65/D10.  
2. FOR SIZING SCHEDULE GENERAL NOTES REFER TO DRAWING B10A/T/WKT/AAT/A67/60

[illegible]



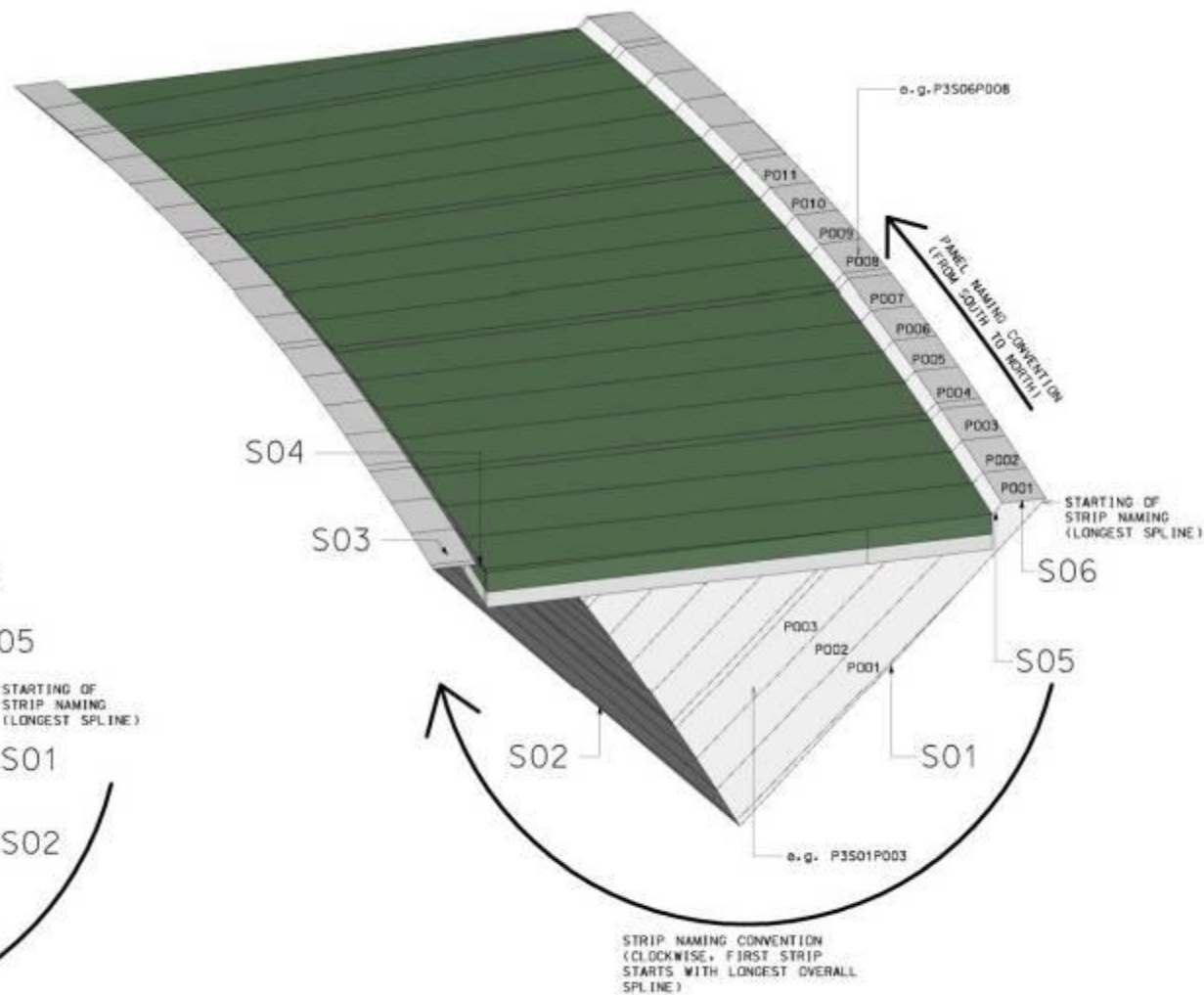




Nomenclature - Fin Cladding

2 e.g. F1

NAMING CONVENTION:  
ELEMENT / STRIP(S) / PANEL(P)  
E.g. F1 / SXX / PXXX  
F1S03P07B

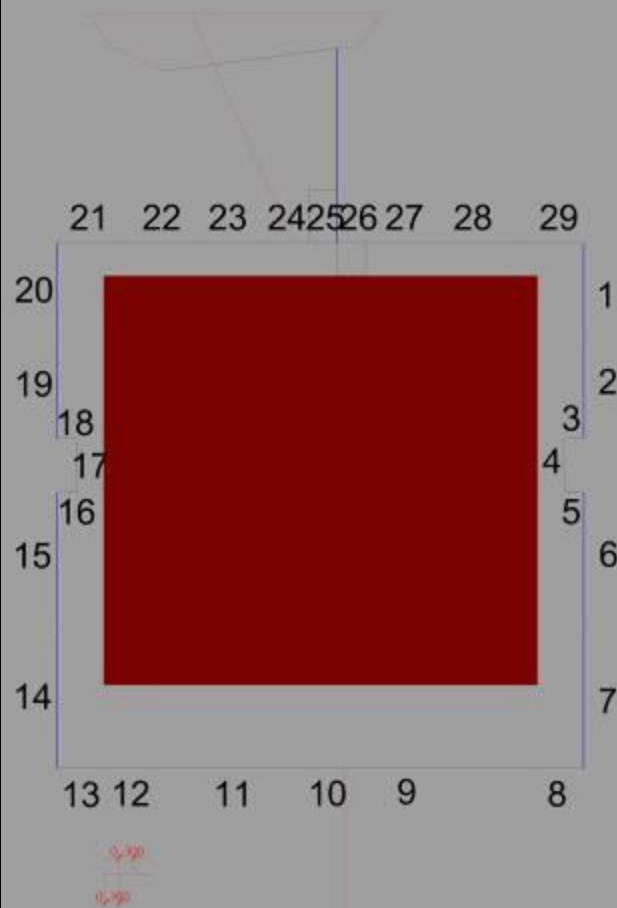


Nomenclature - V Cladding

1 e.g. P3

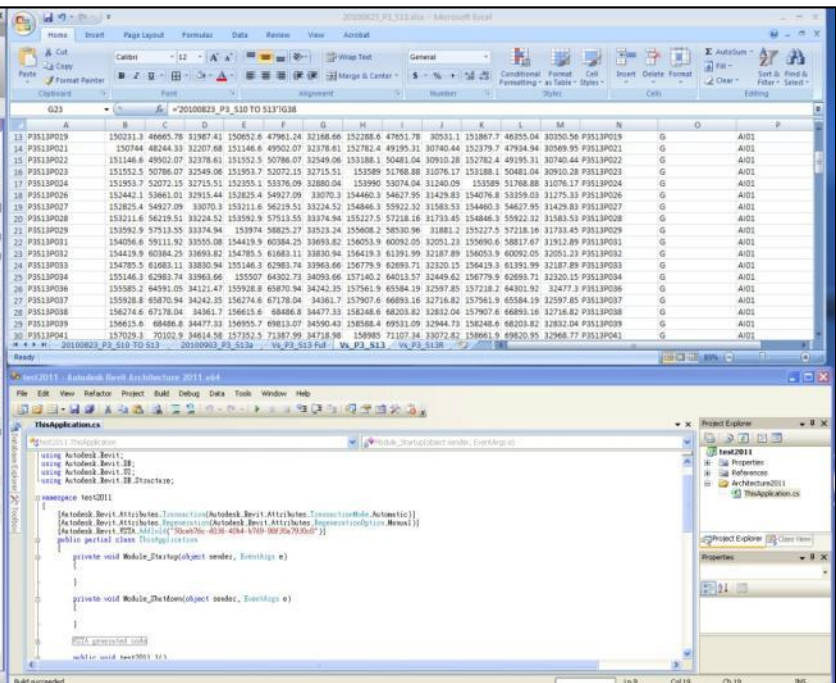
NAMING CONVENTION:  
ELEMENT / STRIP(S) / PANEL(P)  
E.g. P3 / SXX / PXXX  
P3S17P123

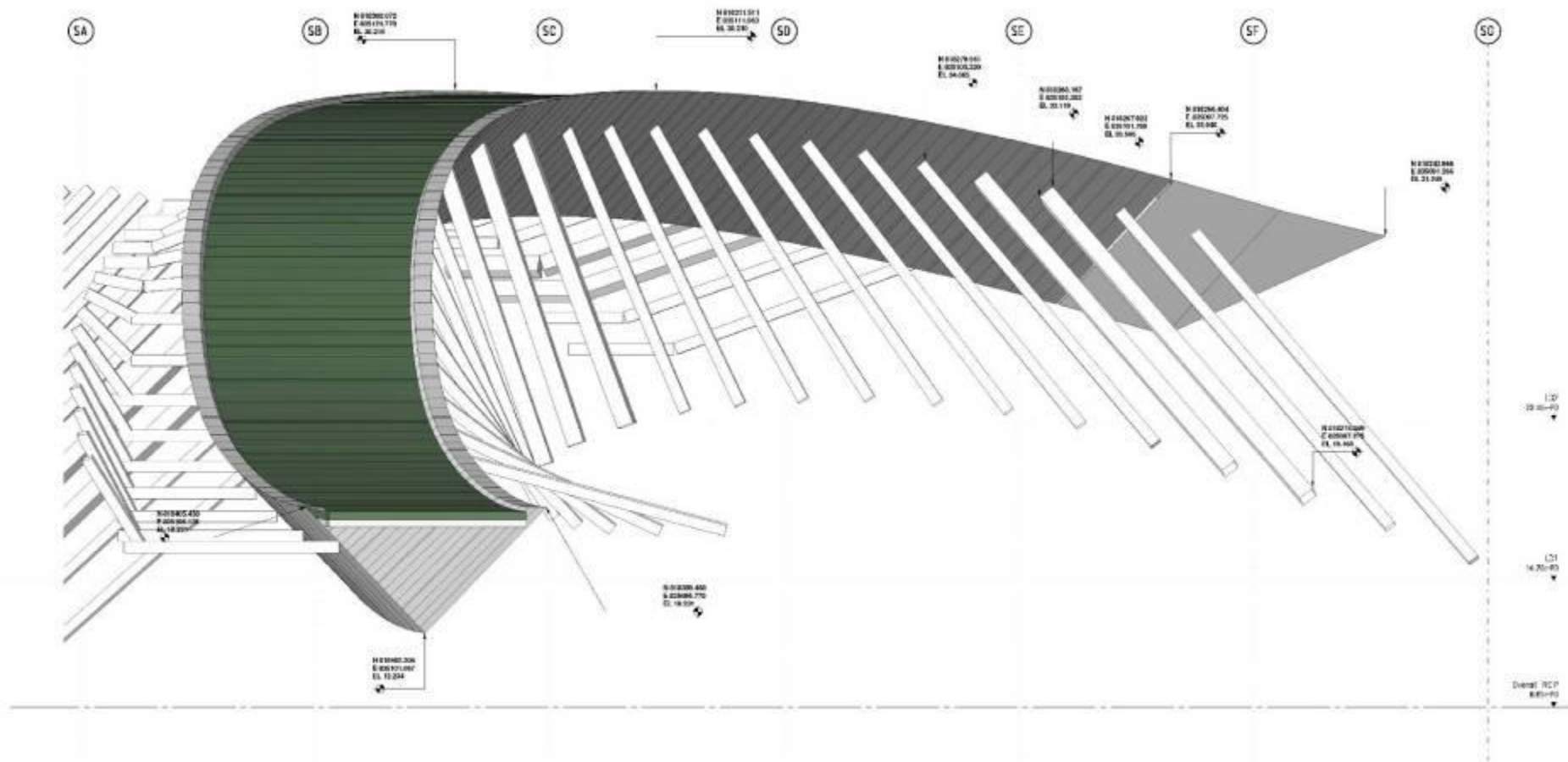
# Eastern Arch cladding setting out



1	EAS01W	Max size at 4.5
2	EAS02W	Max size at 4.5
3	EAS03P	0.5 revival
4	EAS04P	Varies
5	EAS05P	0.5 revival
6	EAS06W	Max size at 4.5
7	EAS07W	Max size at 4.5
8	EAS08P	Panel 1m
9	EAS09	Varies AL louver
10	EAS10	675 Fin wall zone
11	EAS11	Varies AL louveres
12	EAS12	900 M&E zone
13	EAS13P	Panel 1m
14	EAS14W	Max size at 4.5
15	EAS15W	Max size at 4.5
16	EAS16P	0.5 revival
17	EAS17P	Varies
18	EAS18P	0.5 revival
19	EAS19W	Max size at 4.5
20	EAS20W	Max size at 4.5
21	EAS21P	Panel 1.25m
22	EAS22P	1.6m M&E zone
23	EAS23P	Max size at 2.5
24	EAS24P	Max size at 2.5
25	EAS25	500 upstand zone
26	EAS26	450 Drainage
27	EAS27P	Varies Vent shaft zone
28	EAS28P	Varies landscape zone
28	EAS29P	Panel 1.25m







Component Elevation P3 North

P3

N 818398670  
E 835109844  
EL 18950

N 818405541  
E 835106129  
EL 18228

N 818402394  
E 835101017  
EL 12231

N 818398353  
E 835096414  
EL 18290

Group Name	Number of panels	Edge 1	Edge 2	Edge 3	Edge 4	Diagonal	Panel area	Group Area
AL 1	3	1460	8448	1560	8443	8505	13 111 m²	39 333 m²
AL 2	1	1460	8443	1560	8443	8505	13 810 m²	13 810 m²
AL 3	6	304	3213	305	3313	3018	2 564 m²	15 384 m²
AL 4	8	1460	8448	1560	8448	8508	12 861 m²	103 288 m²
AL 5	12	1460	8443	1560	8443	8508	12 758 m²	153 433 m²
AL 6	11	1460	8443	1477	8443	8514	12 861 m²	12 861 m²
AL 7	22	1460	8444	1462	8444	8512	12 554 m²	401 734 m²
AL 8	5	1460	8444	1464	8444	8509	12 438 m²	62 193 m²
AL 9	15	1460	8443	1466	8443	8507	12 325 m²	166 927 m²
AL 10	33	304	3363	325	3333	3300	3 433 m²	86 955 m²
AL 11	125	1460	8443	1309	8443	8504	12 189 m²	304 579 m²
AL 12	3	1460	8443	1304	8443	8502	12 189 m²	36 567 m²
AL 13	3	1460	8443	1316	8443	8500	12 868 m²	36 208 m²
AL 14	3	1460	8443	1307	8443	8508	12 573 m²	37 718 m²
AL 15	1	1559	8445	1368	8445	8505	12 478 m²	12 478 m²
AL 16	6	1500	8443	1369	8443	8506	12 312 m²	36 978 m²
AL 17	3	1510	8445	1374	8445	8507	12 311 m²	36 932 m²
AL 18	1	1467	8443	1385	8443	8506	12 290 m²	12 290 m²
AL 19	1	1477	8445	1387	8445	8504	12 288 m²	12 288 m²
AL 20	1	1462	8443	1387	8443	8501	12 192 m²	12 192 m²
AL 21	1	1464	8443	1387	8443	8509	11 864 m²	11 864 m²
AL 22	1	1368	8444	1386	8444	8507	11 871 m²	11 871 m²
AL 23	11	272	3298	272	3298	3056	2 361 m²	25 974 m²
AL 24	6	1360	8444	1385	8444	8504	11 743 m²	70 452 m²
AL 25	7	1354	8444	1384	8444	8504	11 874 m²	91 710 m²
AL 26	3	1358	8443	1391	8443	8504	11 595 m²	34 788 m²
AL 27	6	1360	8443	1389	8443	8509	11 648 m²	69 888 m²
AL 28	3	1380	8442	1397	8442	8508	11 714 m²	35 143 m²
AL 29	10	1400	8443	1397	8443	8501	11 881 m²	118 086 m²
AL 30	1	1412	8443	1400	8443	8509	11 990 m²	11 990 m²
AL 31	10	1427	8444	1401	8444	8504	12 187 m²	121 867 m²
AL 32	24	1440	8444	1403	8444	8508	12 334 m²	296 014 m²
AL 33	42	1366	859	1366	859	1603	1 169 m²	55 791 m²
AL 34	16	307	324	307	324	307	0 204 m²	3 748 m²
AL 35	13	1372	859	1376	859	1611	1 181 m²	15 348 m²
AL 36	1	1391	859	1396	859	1638	1 197 m²	1 197 m²
AL 37	21	1422	859	1428	859	1653	1 222 m²	27 860 m²
AL 38	3	1444	859	1447	859	1671	1 249 m²	3 720 m²
AL 39	34	304	325	305	325	325	0 348 m²	8 448 m²
AL 40	54	1347	276	1394	279	1379	0 380 m²	21 163 m²
AL 41	24	305	271	305	271	301	0 078 m²	1 883 m²
AL 42	11	1361	276	1365	279	1366	0 396 m²	4 303 m²
AL 43	1	1379	276	1378	279	1405	0 466 m²	0 466 m²
AL 44	32	1406	276	1408	279	1432	0 466 m²	15 352 m²
AL 45	12	1426	276	1425	279	1452	0 414 m²	0 827 m²
AL 46	26	281	271	281	271	380	0 063 m²	2 254 m²
AL 47	106	1486	276	1483	279	1481	0 422 m²	42 206 m²
AL 48	106	1474	279	1480	279	1700	1 289 m²	128 692 m²
Grand total	750							2603 068 m²



**Panel P3S03P082**

Group ..... AL 30  
 Edge 1 ..... 1391 mm  
 Edge 2 ..... 839 mm  
 Edge 3 ..... 1398 mm  
 Edge 4 ..... 839 mm  
 Diagonal ..... 1628 mm  
 Area ..... 1.197 m<sup>2</sup>

**Panel P3S03P081**

Group ..... AL 33  
 Edge 1 ..... 1358 mm  
 Edge 2 ..... 839 mm  
 Edge 3 ..... 1366 mm  
 Edge 4 ..... 839 mm  
 Diagonal ..... 1600 mm  
 Area ..... 1.188 m<sup>2</sup>

**Panel P3S03P080**

Group ..... AL 34  
 Edge 1 ..... 287 mm  
 Edge 2 ..... 824 mm  
 Edge 3 ..... 269 mm  
 Edge 4 ..... 824 mm  
 Diagonal ..... 867 mm  
 Area ..... 0.234 m<sup>2</sup>

**Panel P3S03P079**

Group ..... AL 33  
 Edge 1 ..... 1358 mm  
 Edge 2 ..... 839 mm  
 Edge 3 ..... 1366 mm  
 Edge 4 ..... 839 mm  
 Diagonal ..... 1600 mm  
 Area ..... 1.160 m<sup>2</sup>

**Panel P3S03P078**

Group ..... AL 30  
 Edge 1 ..... 1358 mm  
 Edge 2 ..... 839 mm  
 Edge 3 ..... 1366 mm  
 Edge 4 ..... 839 mm  
 Diagonal ..... 1600 mm  
 Area ..... 1.188 m<sup>2</sup>

**Panel P3S03P077**

Group ..... AL 33  
 Edge 1 ..... 1358 mm  
 Edge 2 ..... 839 mm  
 Edge 3 ..... 1366 mm  
 Edge 4 ..... 839 mm  
 Diagonal ..... 1600 mm  
 Area ..... 1.188 m<sup>2</sup>

**Panel P3S04P082**

Group ..... AL 43  
 Edge 1 ..... 1378 mm  
 Edge 2 ..... 276 mm  
 Edge 3 ..... 1378 mm  
 Edge 4 ..... 276 mm  
 Diagonal ..... 1405 mm  
 Area ..... 0.400 m<sup>2</sup>

**Panel P3S04P081**

Group ..... AL 40  
 Edge 1 ..... 1347 mm  
 Edge 2 ..... 276 mm  
 Edge 3 ..... 1354 mm  
 Edge 4 ..... 276 mm  
 Diagonal ..... 1379 mm  
 Area ..... 0.392 m<sup>2</sup>

**Panel P3S04P080**

Group ..... AL 41  
 Edge 1 ..... 265 mm  
 Edge 2 ..... 271 mm  
 Edge 3 ..... 266 mm  
 Edge 4 ..... 271 mm  
 Diagonal ..... 381 mm  
 Area ..... 0.078 m<sup>2</sup>

**Panel P3S04P079**

Group ..... AL 40  
 Edge 1 ..... 1347 mm  
 Edge 2 ..... 276 mm  
 Edge 3 ..... 1354 mm  
 Edge 4 ..... 276 mm  
 Diagonal ..... 1379 mm  
 Area ..... 0.392 m<sup>2</sup>

**Panel P3S04P078**

Group ..... AL 40  
 Edge 1 ..... 1347 mm  
 Edge 2 ..... 276 mm  
 Edge 3 ..... 1354 mm  
 Edge 4 ..... 276 mm  
 Diagonal ..... 1379 mm  
 Area ..... 0.392 m<sup>2</sup>

**Panel P3S04P077**

Group ..... AL 40  
 Edge 1 ..... 1347 mm  
 Edge 2 ..... 276 mm  
 Edge 3 ..... 1354 mm  
 Edge 4 ..... 276 mm  
 Diagonal ..... 1379 mm  
 Area ..... 0.392 m<sup>2</sup>

**Panel P3S02P082**

Group ..... AL 30  
 Edge 1 ..... 1412 mm  
 Edge 2 ..... 8443 mm  
 Edge 3 ..... 1400 mm  
 Edge 4 ..... 8443 mm  
 Diagonal ..... 8559 mm  
 Area ..... 11.992 m<sup>2</sup>

**Panel P3S02P081**

Group ..... AL 29  
 Edge 1 ..... 1400 mm  
 Edge 2 ..... 8443 mm  
 Edge 3 ..... 1367 mm  
 Edge 4 ..... 8443 mm  
 Diagonal ..... 8551 mm  
 Area ..... 11.801 m<sup>2</sup>

**Panel P3S02P080**

Group ..... AL 23  
 Edge 1 ..... 272 mm  
 Edge 2 ..... 8298 mm  
 Edge 3 ..... 272 mm  
 Edge 4 ..... 8298 mm  
 Diagonal ..... 8296 mm  
 Area ..... 2.361 m<sup>2</sup>

**Panel P3S02P079**

Group ..... AL 29  
 Edge 1 ..... 1400 mm  
 Edge 2 ..... 8443 mm  
 Edge 3 ..... 1367 mm  
 Edge 4 ..... 8443 mm  
 Diagonal ..... 8551 mm  
 Area ..... 11.801 m<sup>2</sup>

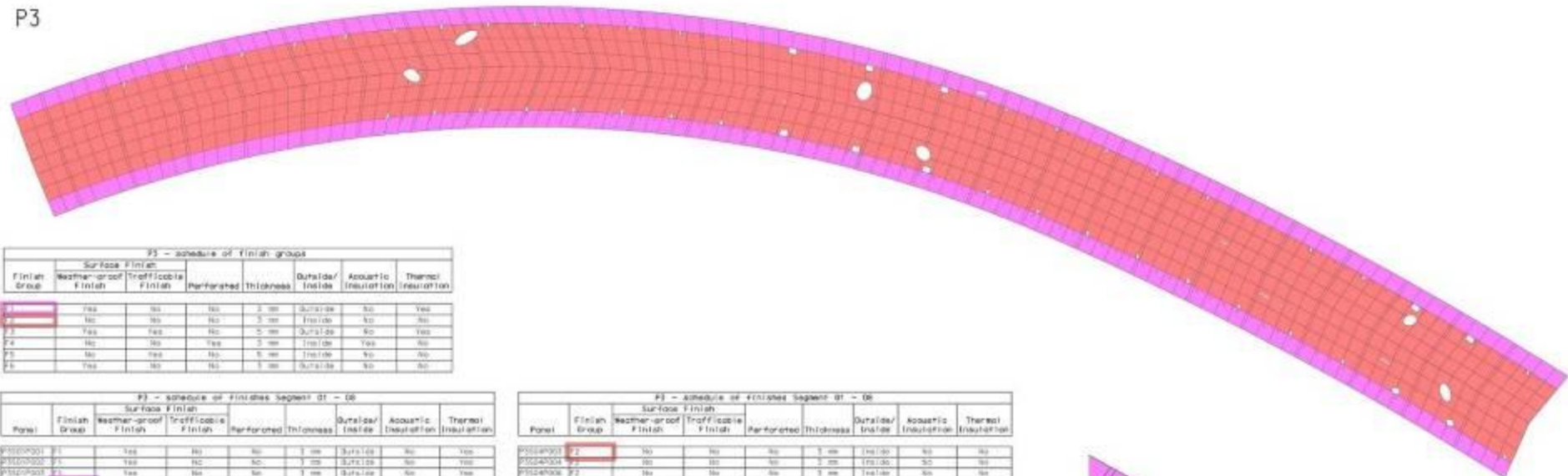
**Panel P3S02P078**

Group ..... AL 29  
 Edge 1 ..... 1400 mm  
 Edge 2 ..... 8443 mm  
 Edge 3 ..... 1367 mm  
 Edge 4 ..... 8443 mm  
 Diagonal ..... 8551 mm  
 Area ..... 11.801 m<sup>2</sup>

**Panel P3S02P077**

Group ..... AL 29  
 Edge 1 ..... 1400 mm  
 Edge 2 ..... 8443 mm  
 Edge 3 ..... 1367 mm  
 Edge 4 ..... 8443 mm  
 Diagonal ..... 8551 mm  
 Area ..... 11.801 m<sup>2</sup>

P3



P3 - schedule of finish groups

Panel	Finish Group	Weather-proof Finish	Trafficable Finish	Perforated	Thickness	Outside/ Inside	Acoustic Insulation	Thermal Insulation
P3	F1	Yes	No	No	3 mm	Outside	No	Yes
P3	F1	No	No	No	3 mm	Inside	No	No
P3	F1	Yes	Yes	No	5 mm	Outside	No	Yes
P3	F1	No	No	Yes	3 mm	Inside	Yes	No
P3	F1	No	No	No	5 mm	Inside	No	No
P3	F1	Yes	No	No	3 mm	Outside	No	No

P3 - schedule of finishes segment 01 - 06

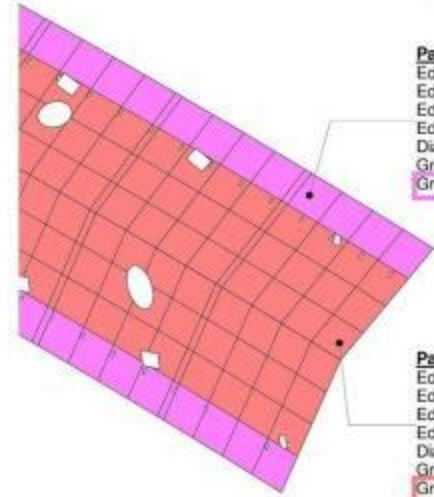
Panel	Finish Group	Weather-proof Finish	Trafficable Finish	Perforated	Thickness	Outside/ Inside	Acoustic Insulation	Thermal Insulation
P3S01P001	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P002	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P003	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P004	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P005	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P006	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P007	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P008	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P009	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P010	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P011	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P012	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P013	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P014	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P015	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P016	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P017	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P018	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P019	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P020	F1	Yes	No	No	3 mm	Outside	No	Yes

P3 - schedule of finishes segment 01 - 06

Panel	Finish Group	Weather-proof Finish	Trafficable Finish	Perforated	Thickness	Outside/ Inside	Acoustic Insulation	Thermal Insulation
P3S01P021	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P022	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P023	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P024	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P025	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P026	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P027	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P028	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P029	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P030	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P031	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P032	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P033	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P034	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P035	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P036	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P037	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P038	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P039	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P040	F1	Yes	No	No	3 mm	Outside	No	Yes

P3 - schedule of finishes segment 01 - 06

Panel	Finish Group	Weather-proof Finish	Trafficable Finish	Perforated	Thickness	Outside/ Inside	Acoustic Insulation	Thermal Insulation
P3S01P041	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P042	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P043	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P044	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P045	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P046	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P047	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P048	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P049	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P050	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P051	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P052	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P053	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P054	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P055	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P056	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P057	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P058	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P059	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P060	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P061	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P062	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P063	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P064	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P065	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P066	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P067	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P068	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P069	F1	Yes	No	No	3 mm	Outside	No	Yes
P3S01P070	F1	Yes	No	No	3 mm	Outside	No	Yes



**Panel P3S01P004**  
 Edge 1 ..... 1488 mm  
 Edge 2 ..... 2279 mm  
 Edge 3 ..... 1476 mm  
 Edge 4 ..... 2279 mm  
 Diagonal ..... 2720 mm  
 Group(Size).... A 1  
 Group(Finish)... F 1

**Panel P3S04P001**  
 Edge 1 ..... 1460 mm  
 Edge 2 ..... 2042 mm  
 Edge 3 ..... 1445 mm  
 Edge 4 ..... 2042 mm  
 Diagonal ..... 2508 mm  
 Group(Size).... A 13  
 Group(Finish)... F 2

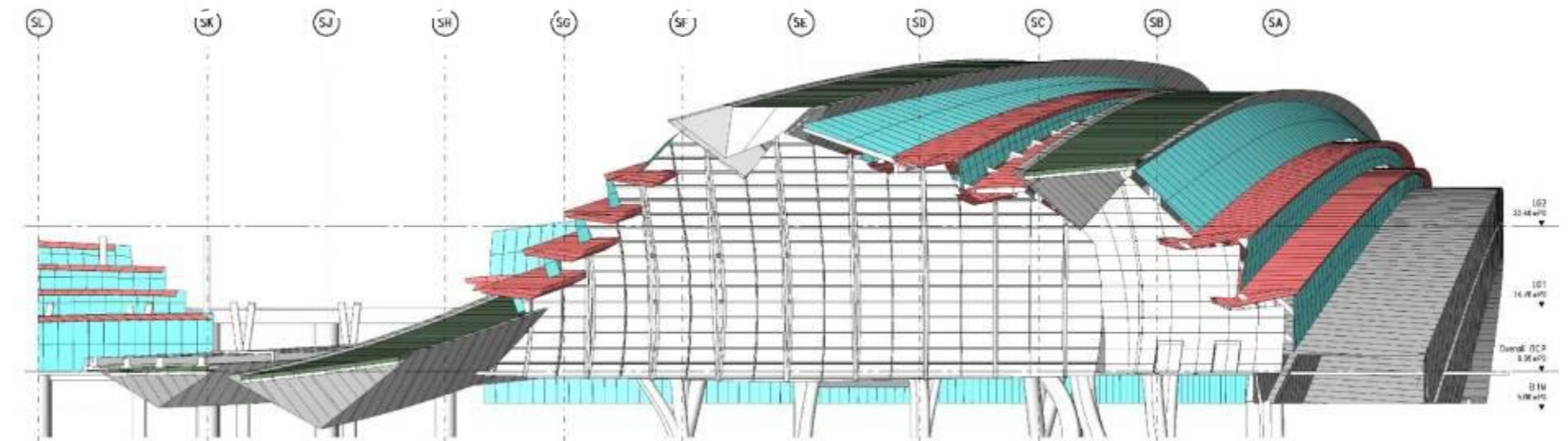
Remark: An above is a portion extracted for presentation purpose the full schedule of panels included in the BIM model.

AL 10301 AF 5  
P4504P073  
AL 10111 AF 4  
P4504P074  
AL 10061 AF 4  
P4504P075  
AL 10041 AF 4  
P4504P076  
AL 10081 AF 4  
P4504P077  
AL 10051 AF 4  
P4504P078  
AL 10051 AF 4  
P4504P079  
AL 10061 AF 4  
P4504P080  
AL 10041 AF 4  
P4504P081  
AL 10301 AF 4  
P4504P082  
AL 10051 AF 4  
P4504P083  
AL 10051 AF 4  
P4504P084  
AL 10031 AF 4  
P4504P085  
AL 10041 AF 4  
P4504P086  
AL 10071 AF 4  
P4504P087  
AL 10051 AF 4  
P4504P088  
AL 10051 AF 4  
P4504P089  
AL 10031 AF 4  
P4504P090  
AL 10041 AF 4  
P4504P091  
AL 10071 AF 4  
P4504P092  
AL 10051 AF 4  
P4504P093  
AL 10051 AF 4  
P4504P094  
AL 10031 AF 4  
P4504P095  
AL 10041 AF 4  
P4504P096  
AL 10071 AF 4  
P4504P097  
AL 10051 AF 4  
P4504P098  
AL 10051 AF 4  
P4504P099  
AL 10031 AF 4  
P4504P100  
AL 10041 AF 4

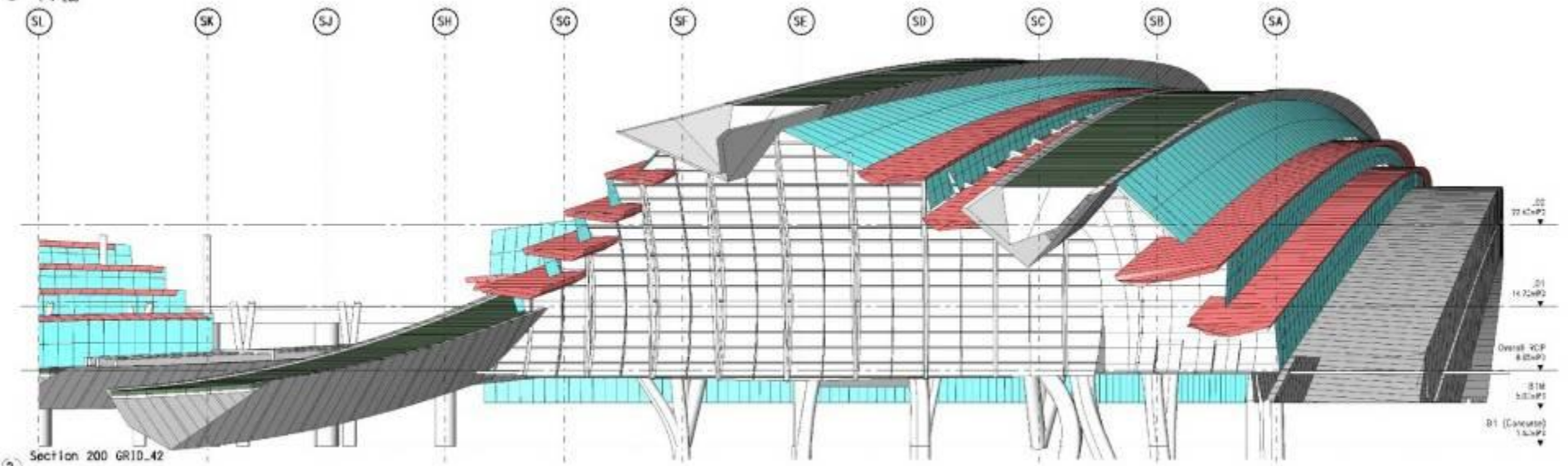
P4503P073  
AL 10051 AF 5  
P4503P074  
AL 10031 AF 5  
P4503P075  
AL 10041 AF 5  
P4503P076  
AL 10051 AF 5  
P4503P077  
AL 10051 AF 5  
P4503P078  
AL 10051 AF 5  
P4503P079  
AL 10031 AF 5  
P4503P080  
AL 10041 AF 5  
P4503P081  
AL 10051 AF 5  
P4503P082  
AL 10061 AF 5  
P4503P083  
AL 10061 AF 5  
P4503P084  
AL 10031 AF 5  
P4503P085  
AL 10041 AF 5  
P4503P086  
AL 10051 AF 5  
P4503P087  
AL 10031 AF 5

P4503P089  
AL 10031 AF 5  
P4503P089  
AL 10031 AF 5  
P4503P090  
AL 10041 AF 5  
P4503P091  
AL 10051 AF 5  
P4503P092  
AL 10031 AF 5  
P4503P093  
AL 10031 AF 5  
P4503P094  
AL 10031 AF 5  
P4503P095  
AL 10041 AF 5  
P4503P096  
AL 10051 AF 5  
P4503P097  
AL 10031 AF 5  
P4503P098  
AL 10031 AF 5  
P4503P099  
AL 10031 AF 5

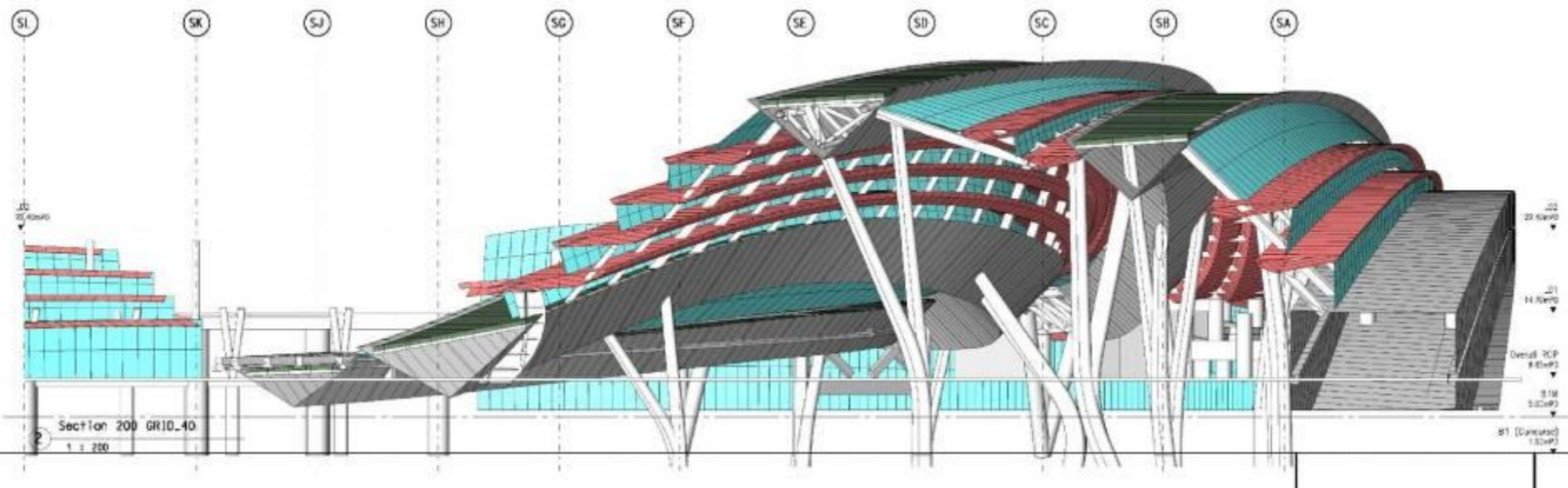
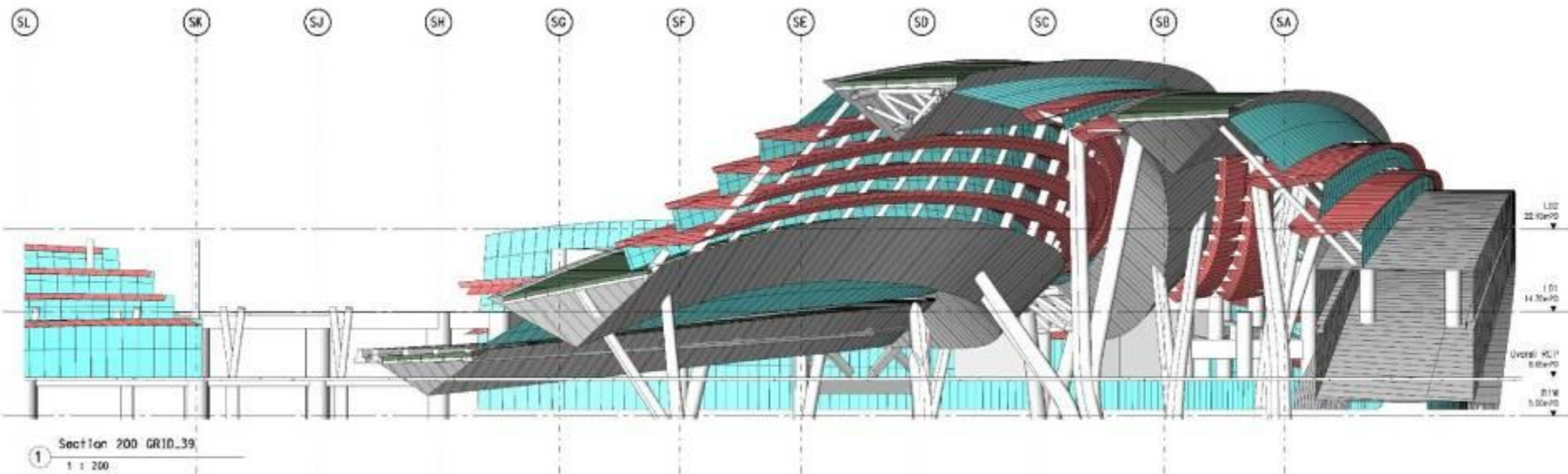




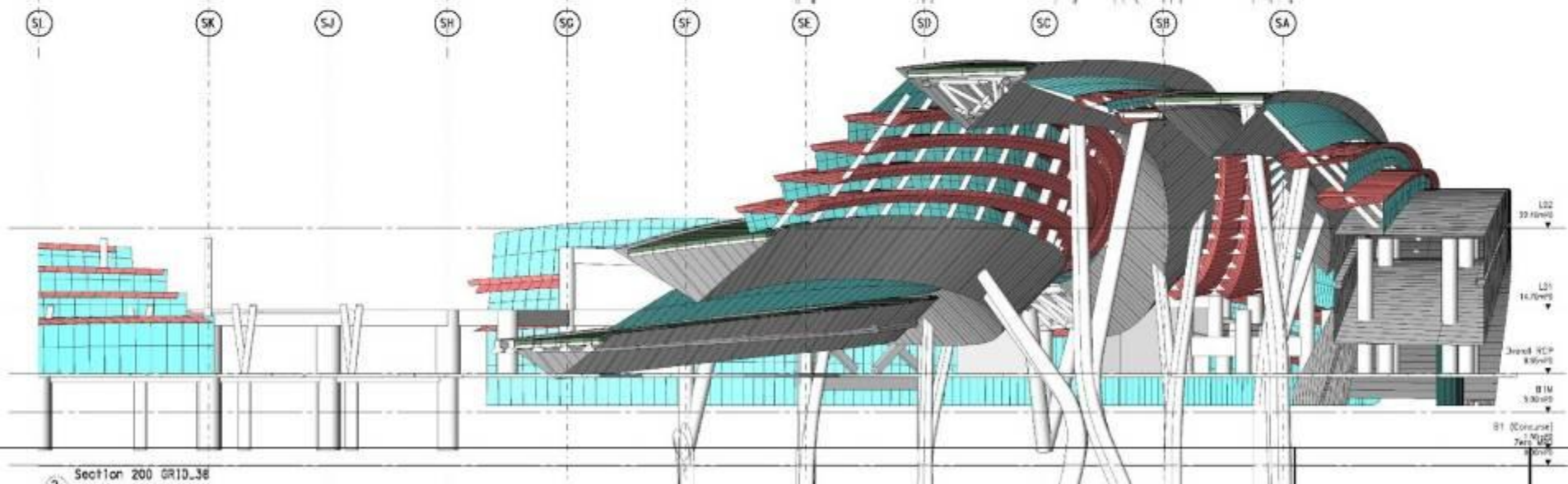
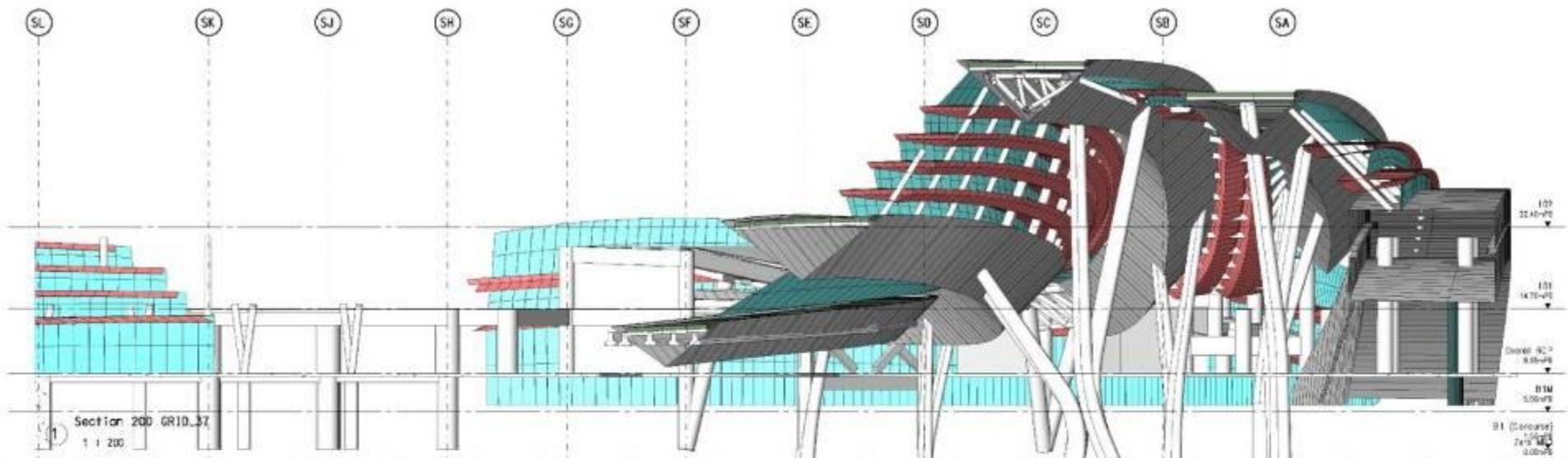
1 Section 200 GRID\_41  
t : 200



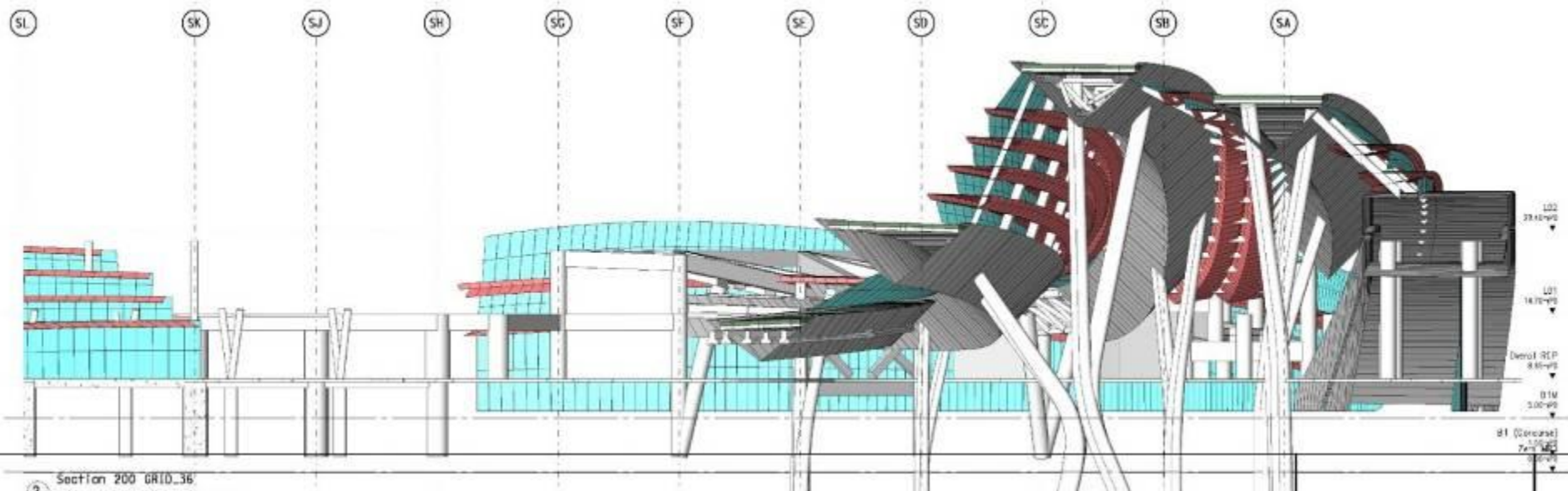
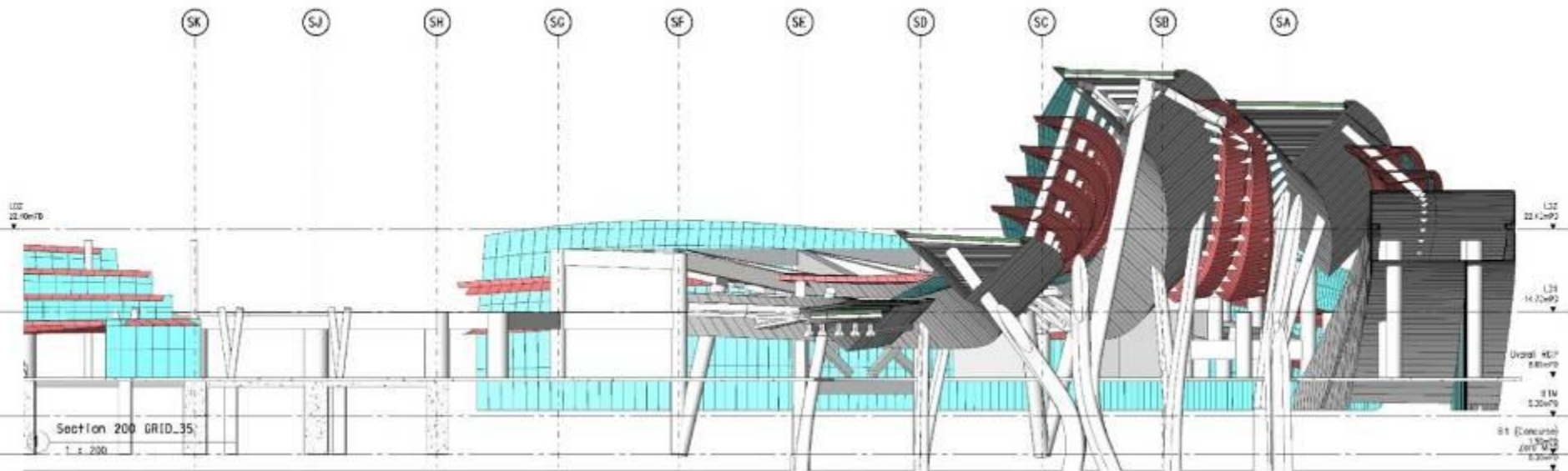
2 Section 200 GRID\_42  
t : 200



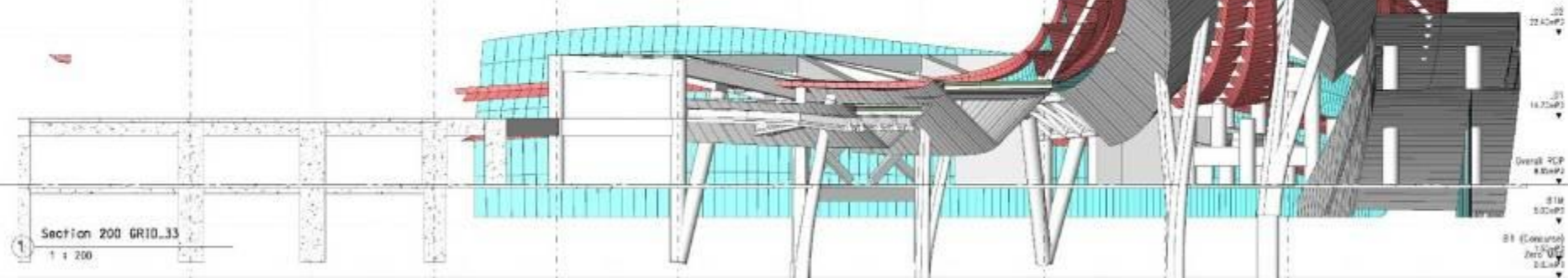




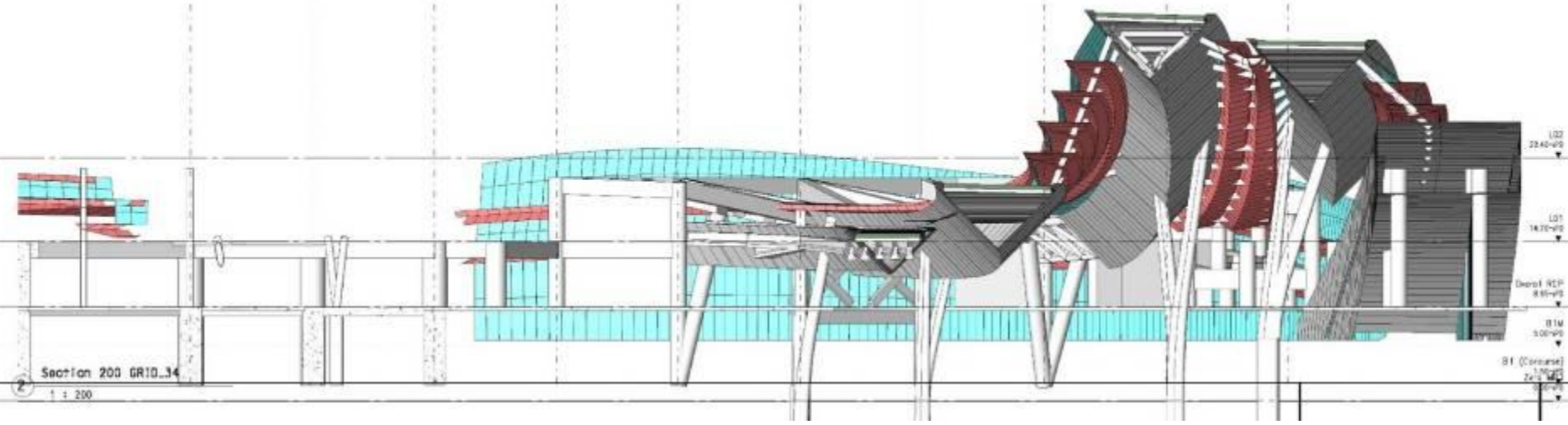




SK SJ SH SG SF SE SD SC SB SA



SK SJ SH SG SF SE SD SC SB SA



(SK) (SJ) (SH) (SG) (SF) (SE) (SD) (SC) (SB) (SA)

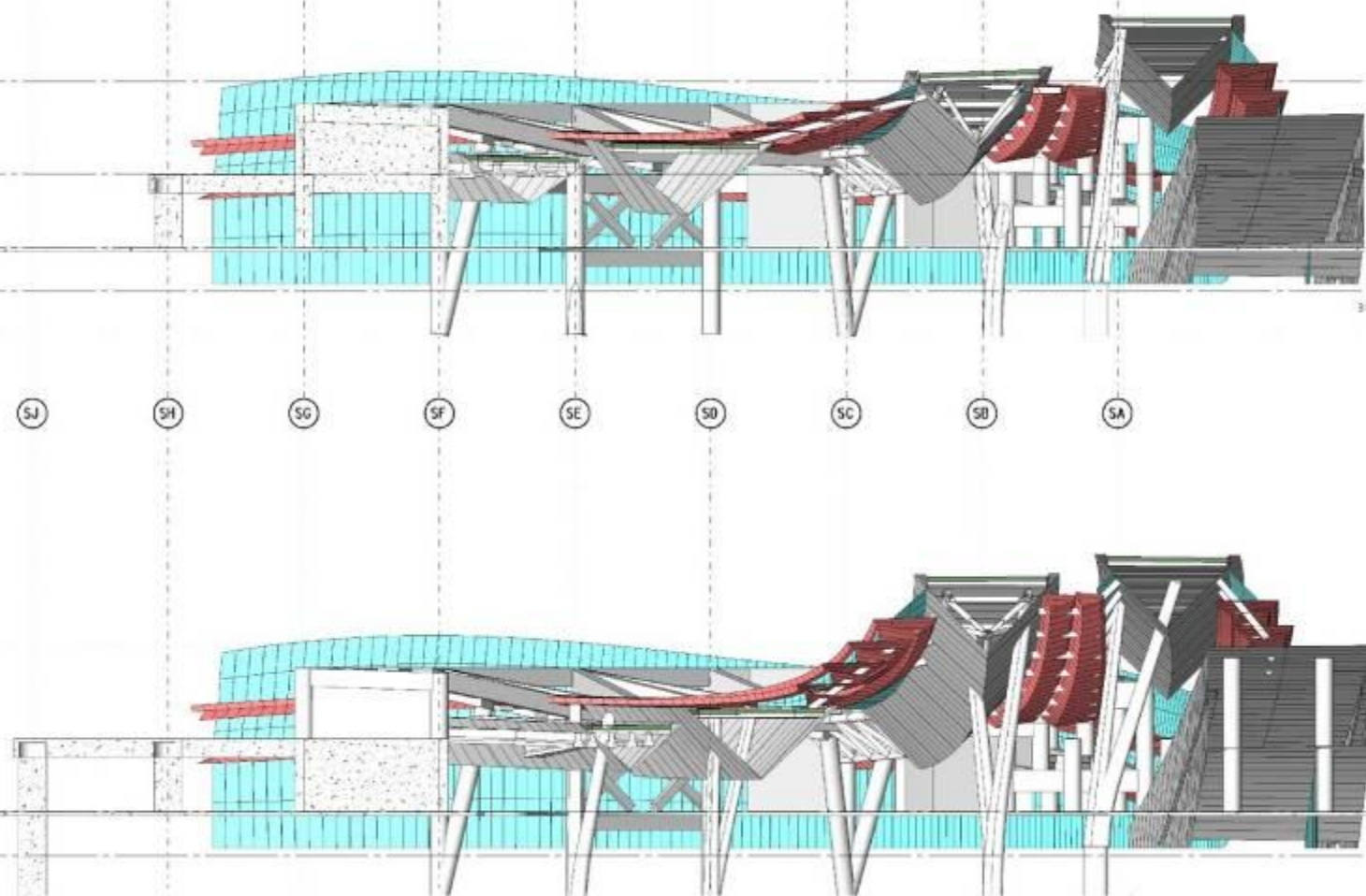
129  
22.40mP0  
128  
14.70mP0  
Overall RCP  
8.85mP0  
21M  
5.30mP0  
31 (Course)  
1.50mP0

1 Section 200 GRID\_31  
1 : 200

(SK) (SJ) (SH) (SG) (SF) (SE) (SD) (SC) (SB) (SA)

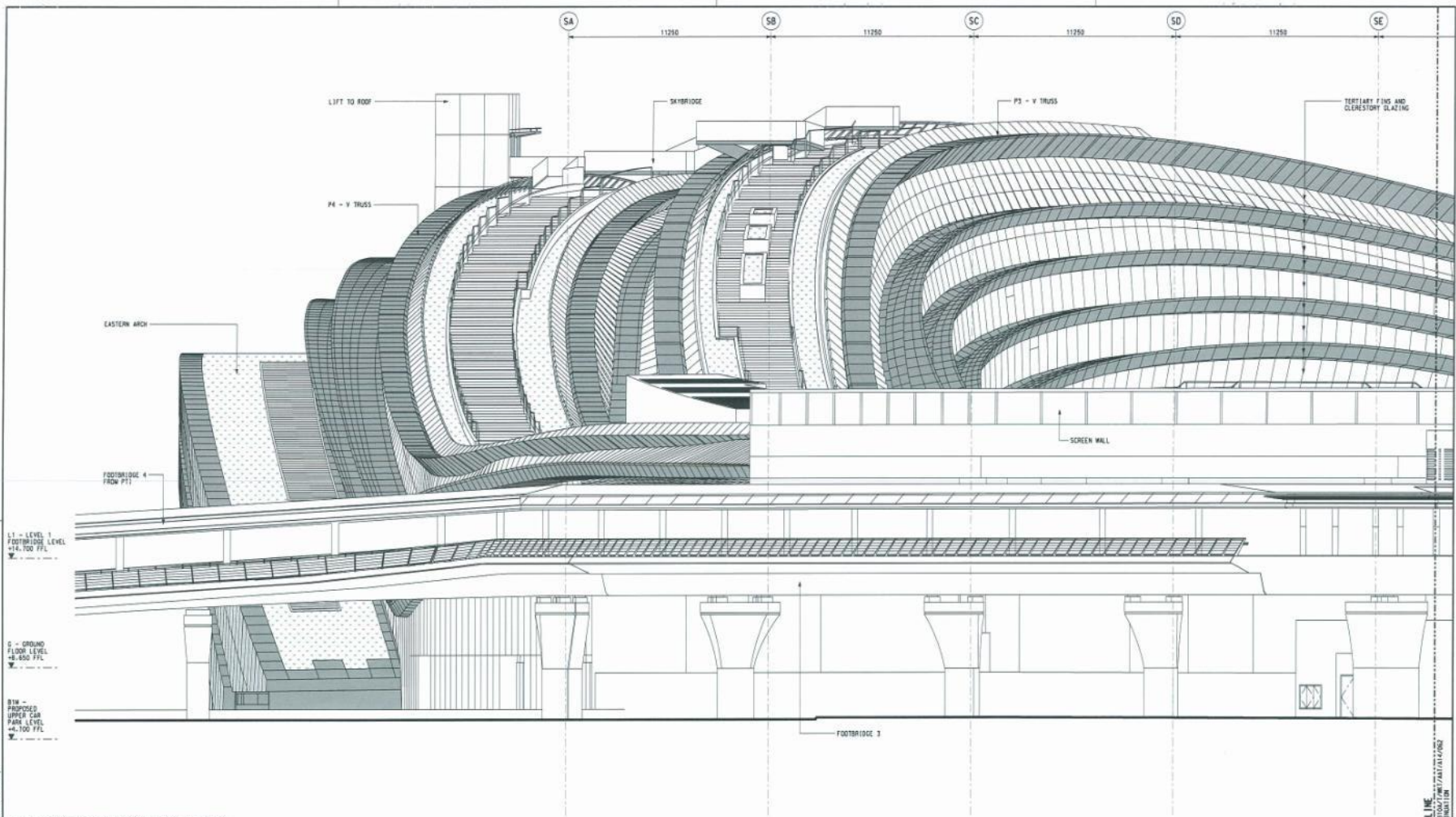
102  
29.40mP1  
101  
14.70mP2  
Overall RCP  
8.85mP2  
21M  
5.30mP2

2 Section 200 GRID\_32  
1 : 200









NOTE 1:  
REFER TO 458 DRAWING SERIES FOR ALL LANDSCAPE RELATED SETTING OUT.

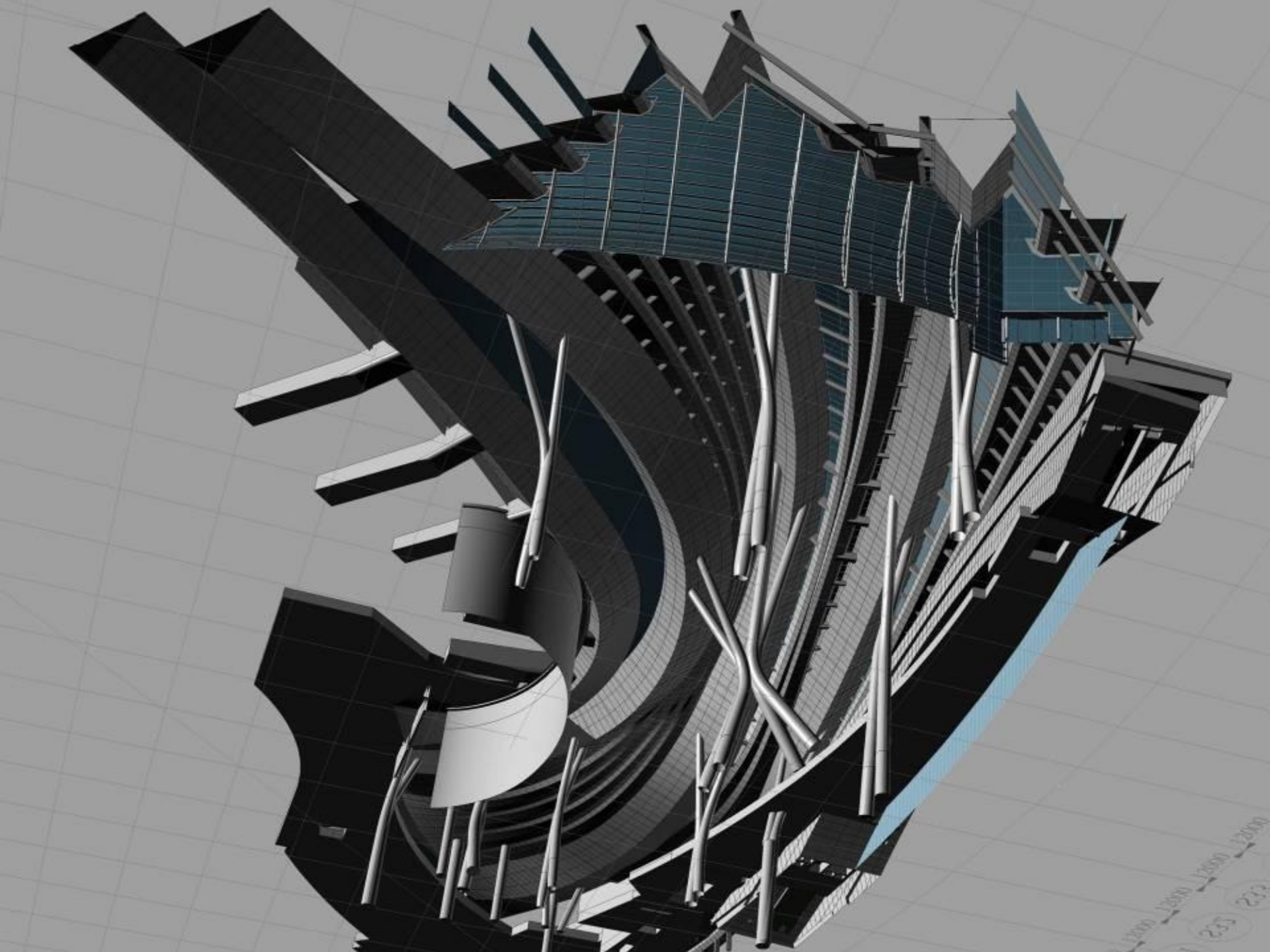
NOTE 1:  
REFER TO 458 DRAWING SERIES FOR ALL LANDSCAPE RELATED SETTING OUT.

LEGEND :



**MATCH LINE**















**THANK YOU**





# LANDSCAPE











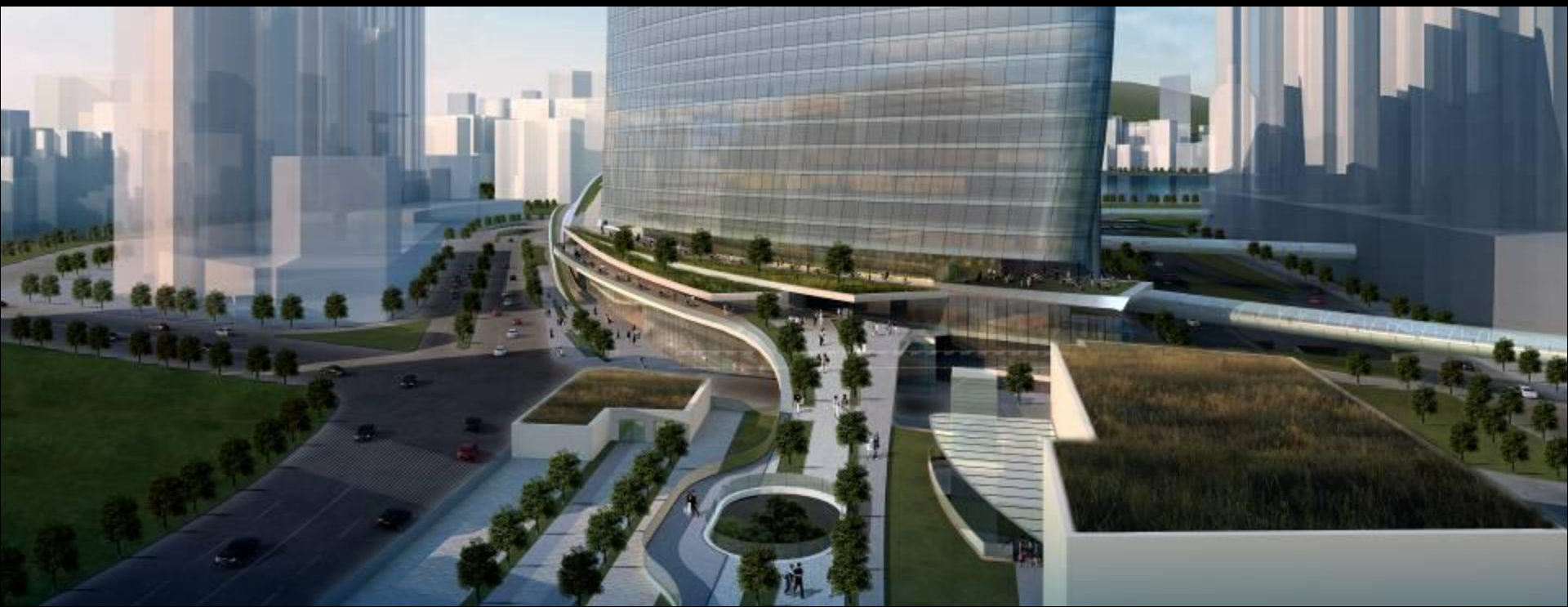




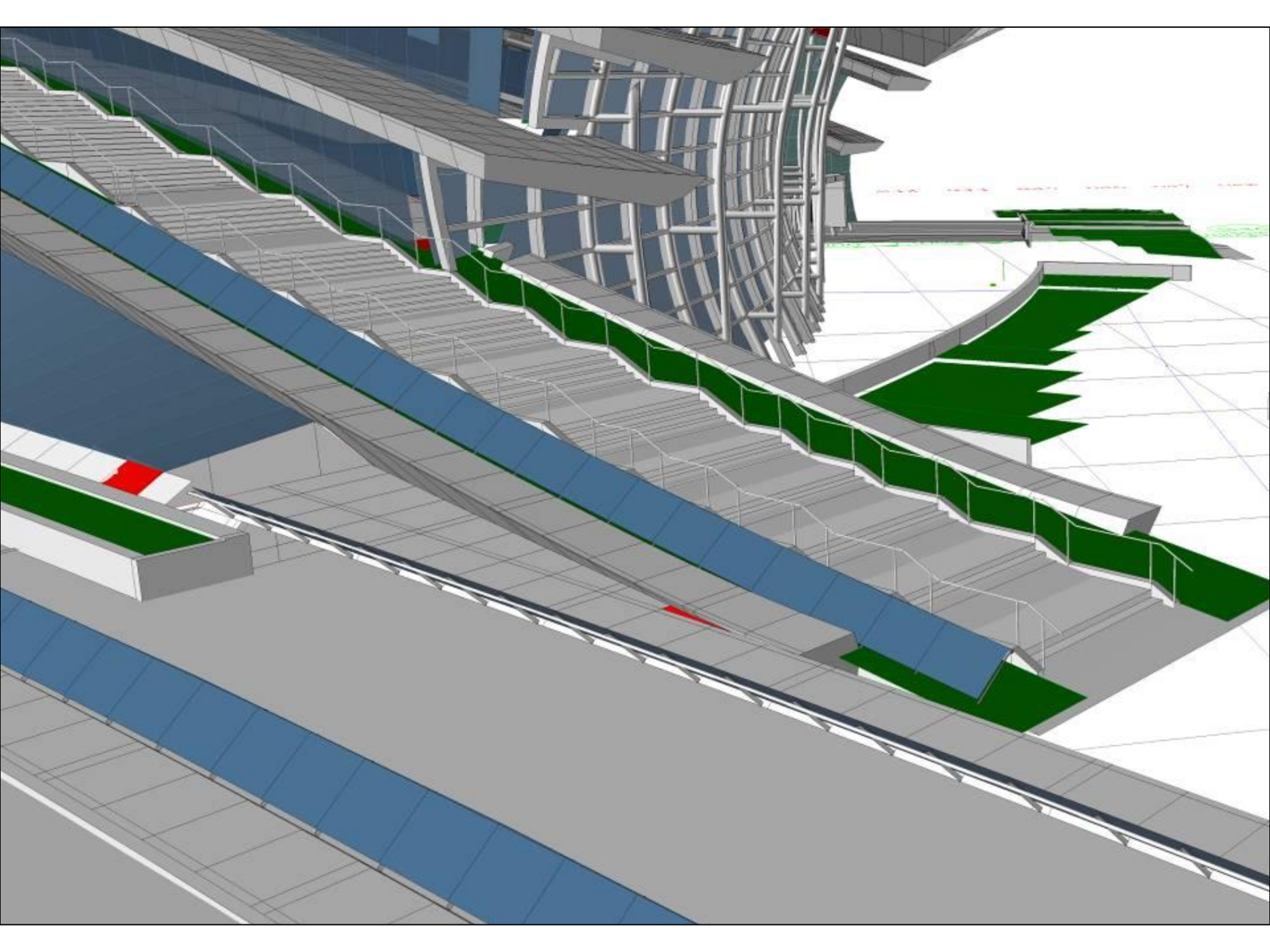


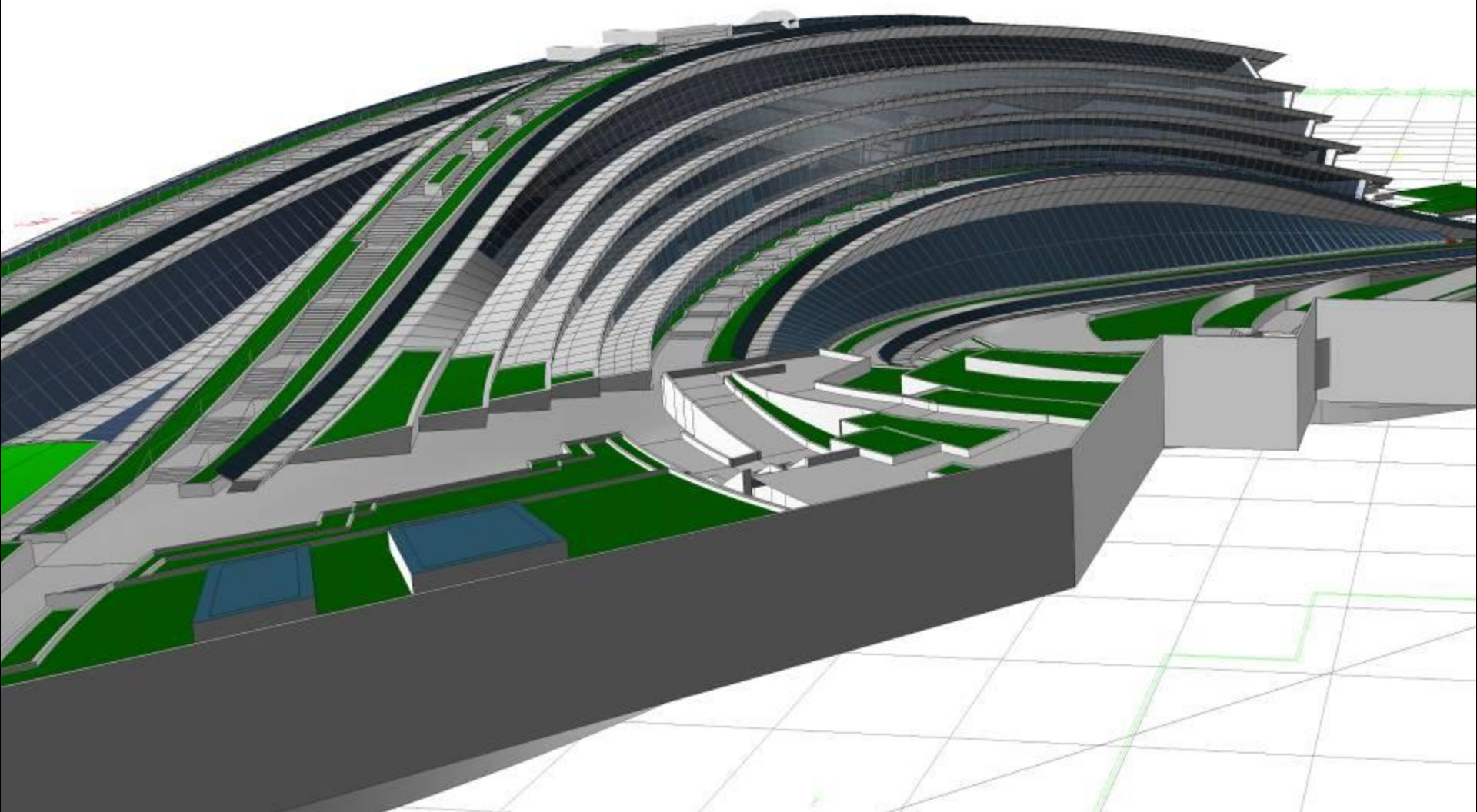




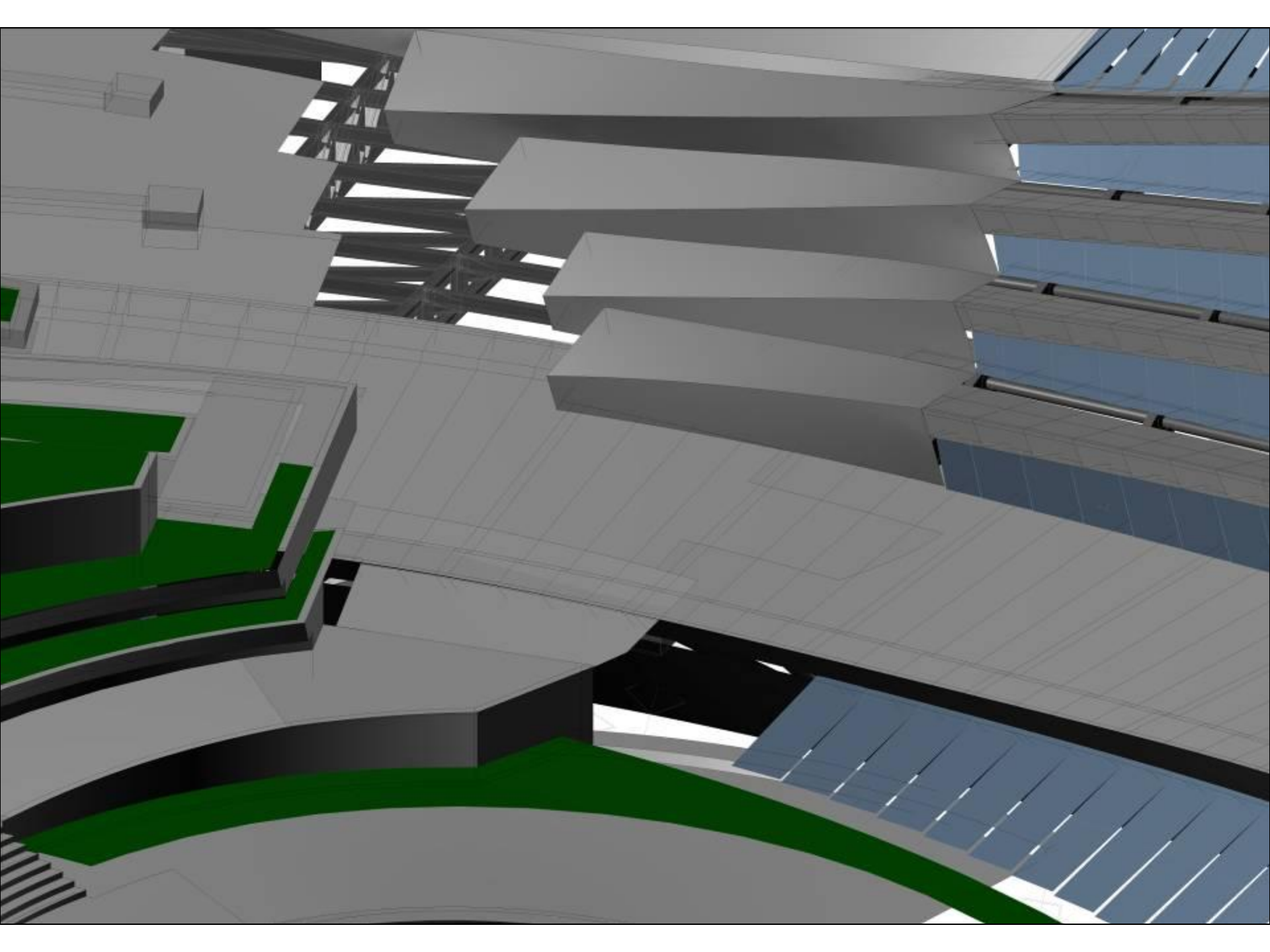












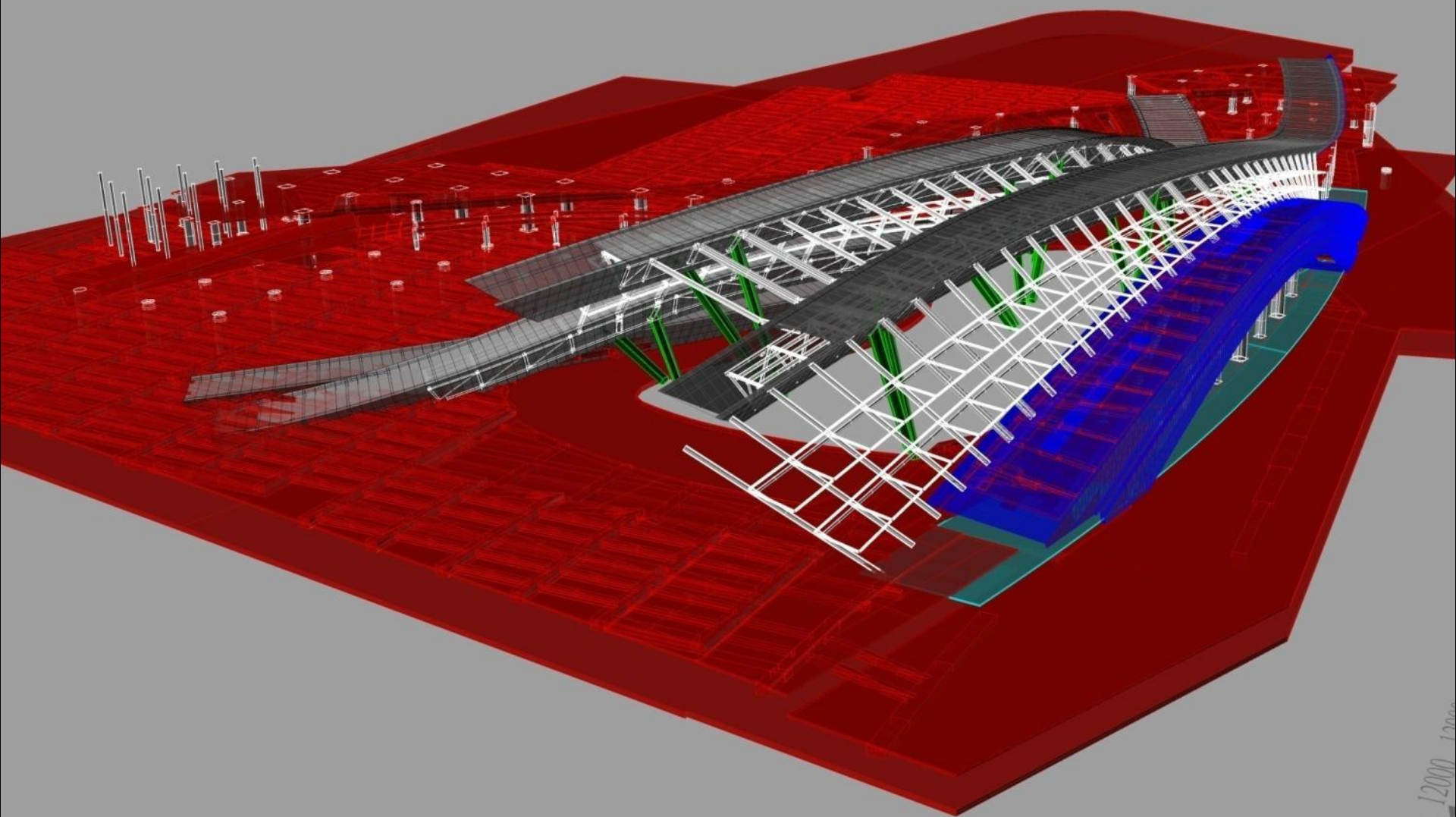




# SOUTH FACADE

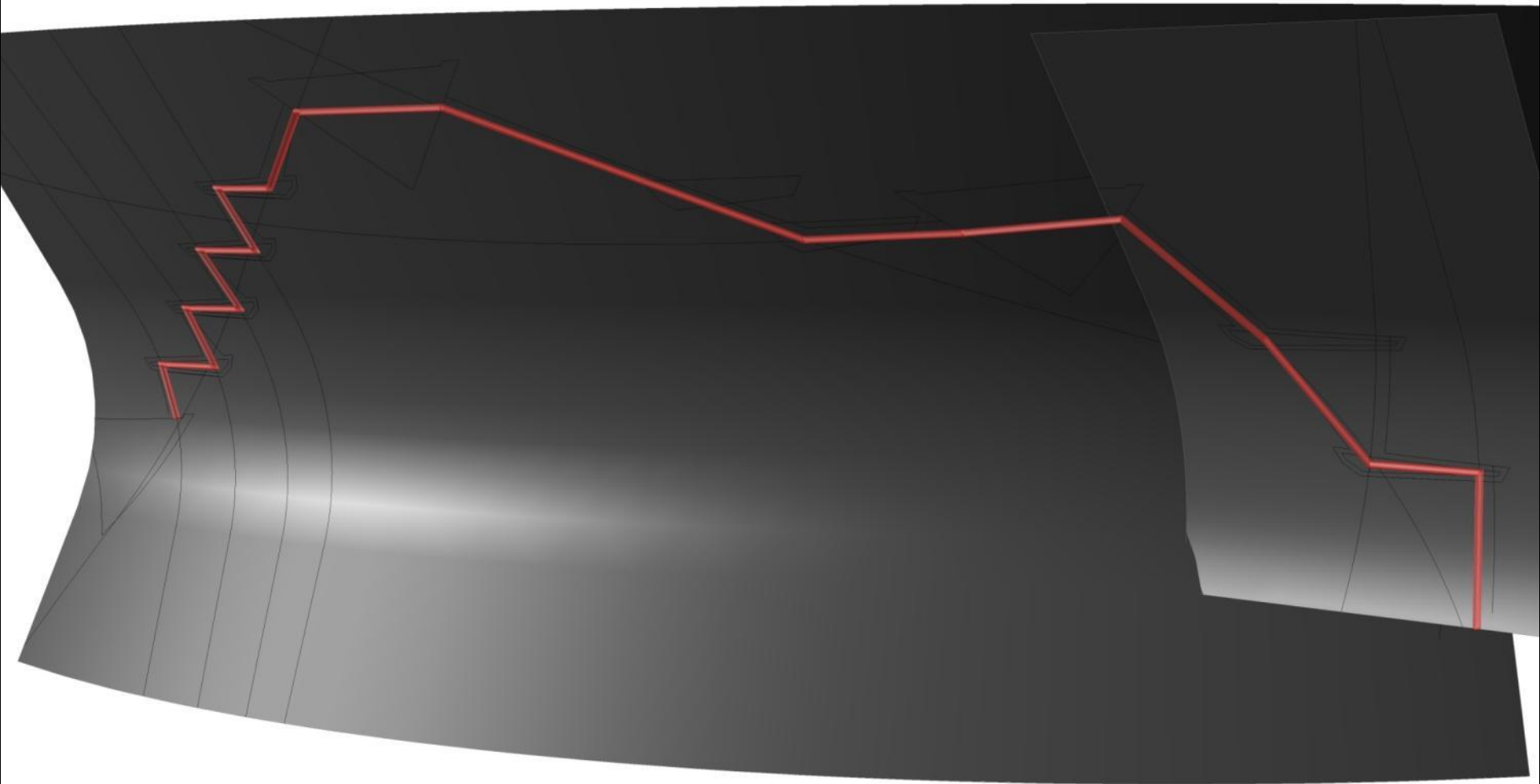


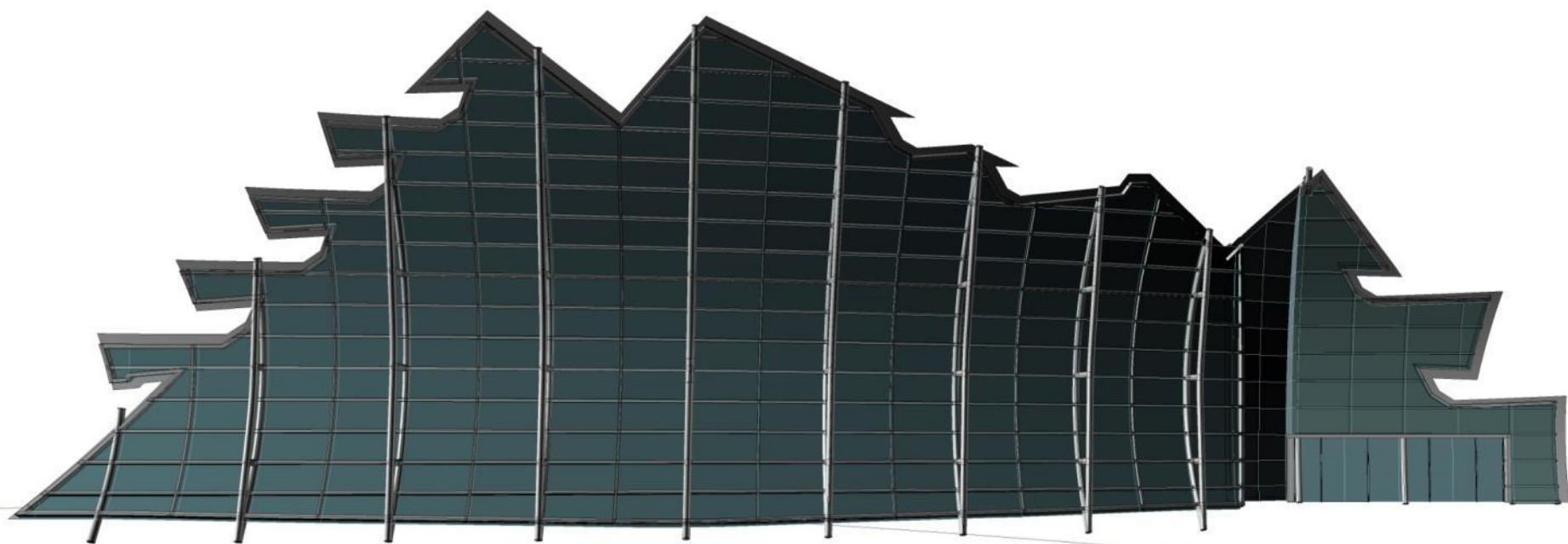




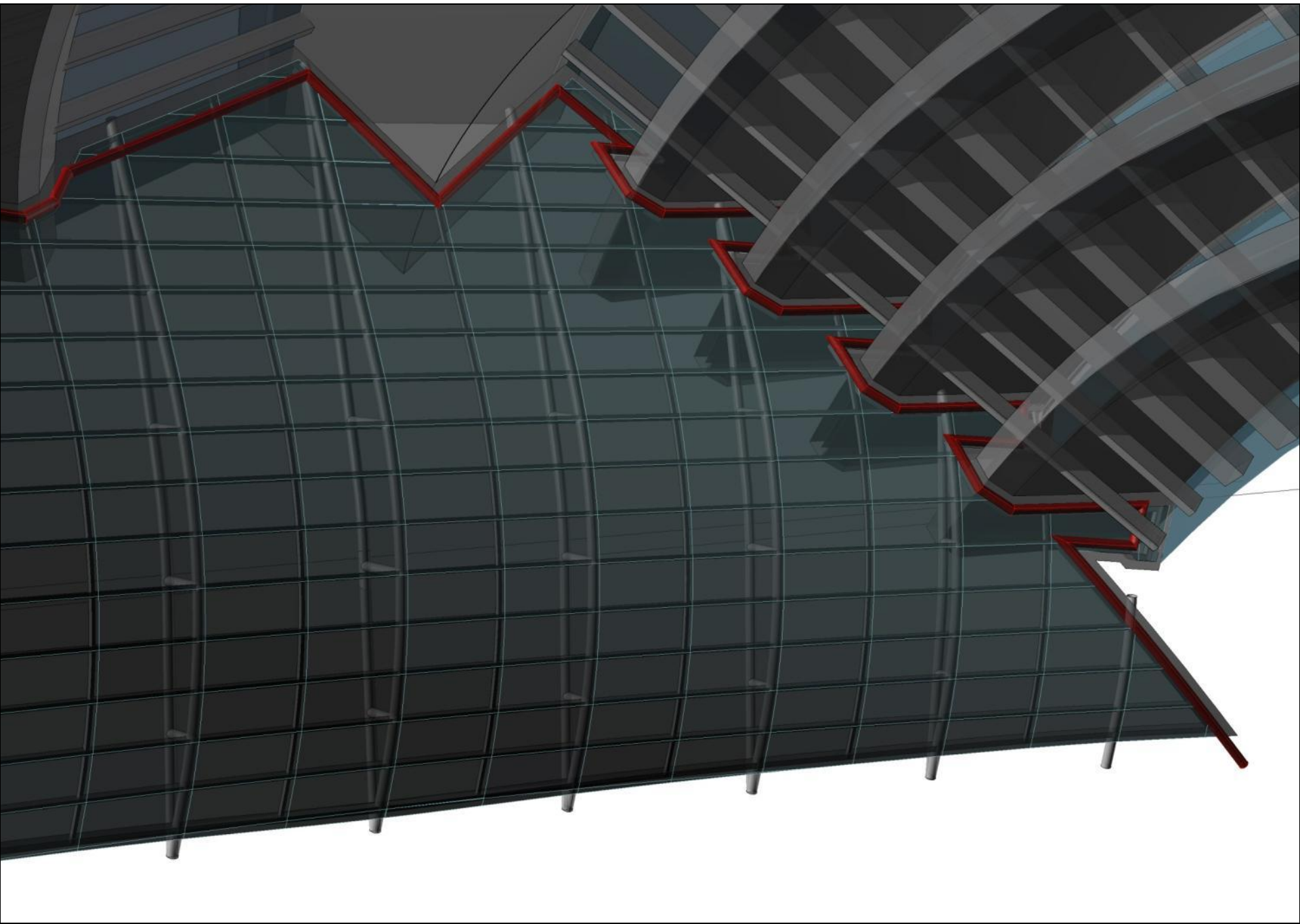
0, 12000, 12000

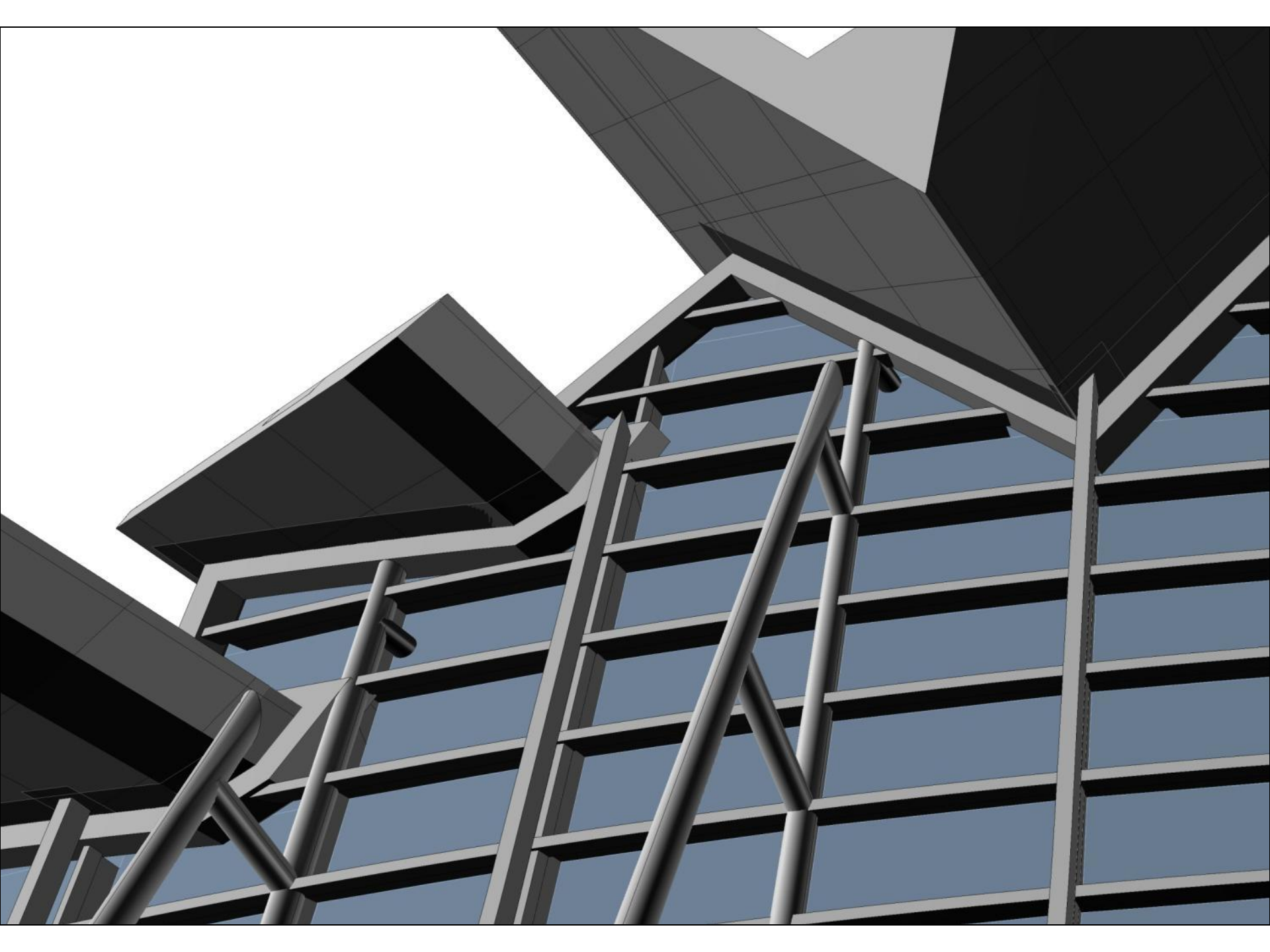








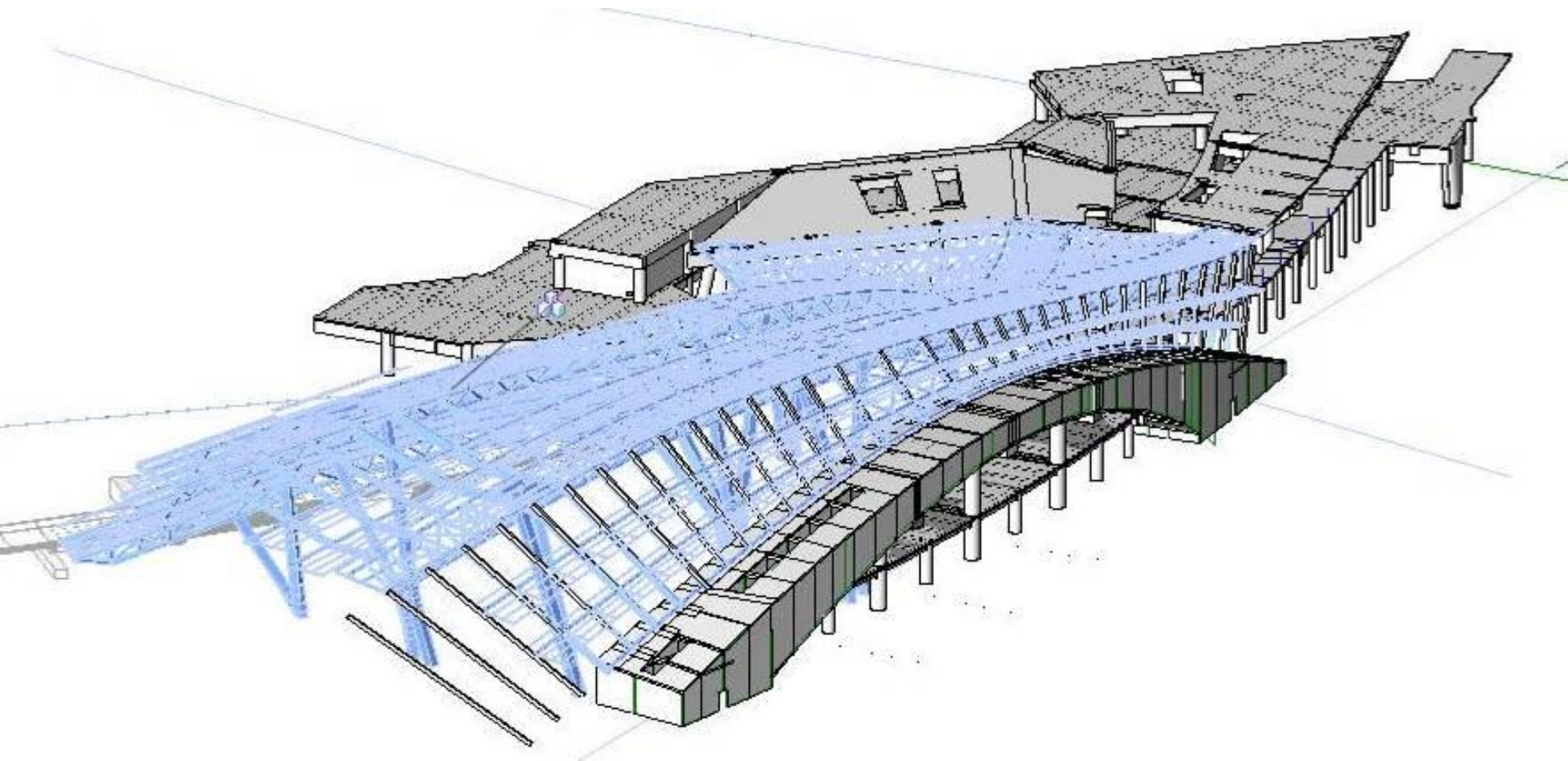




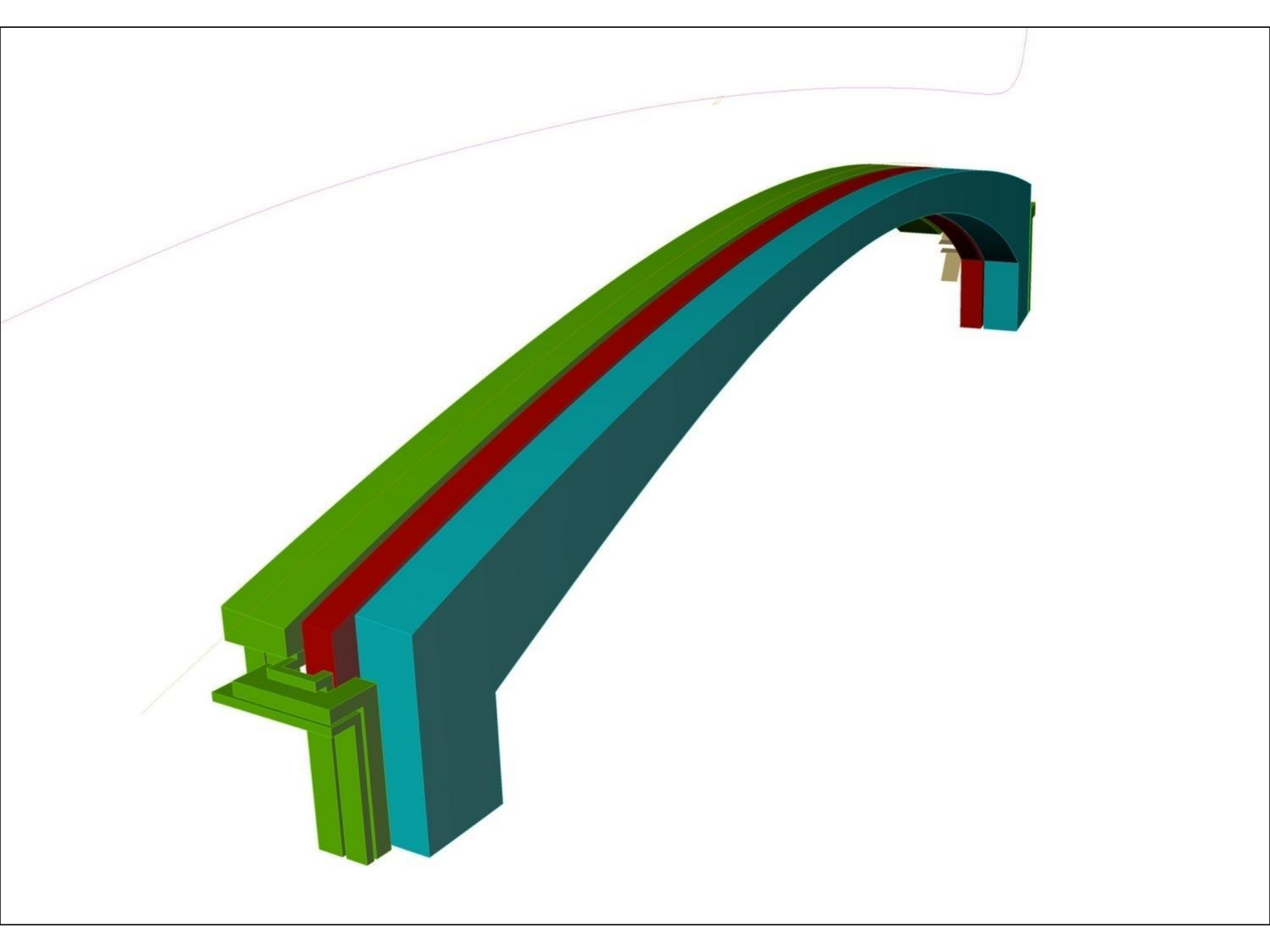


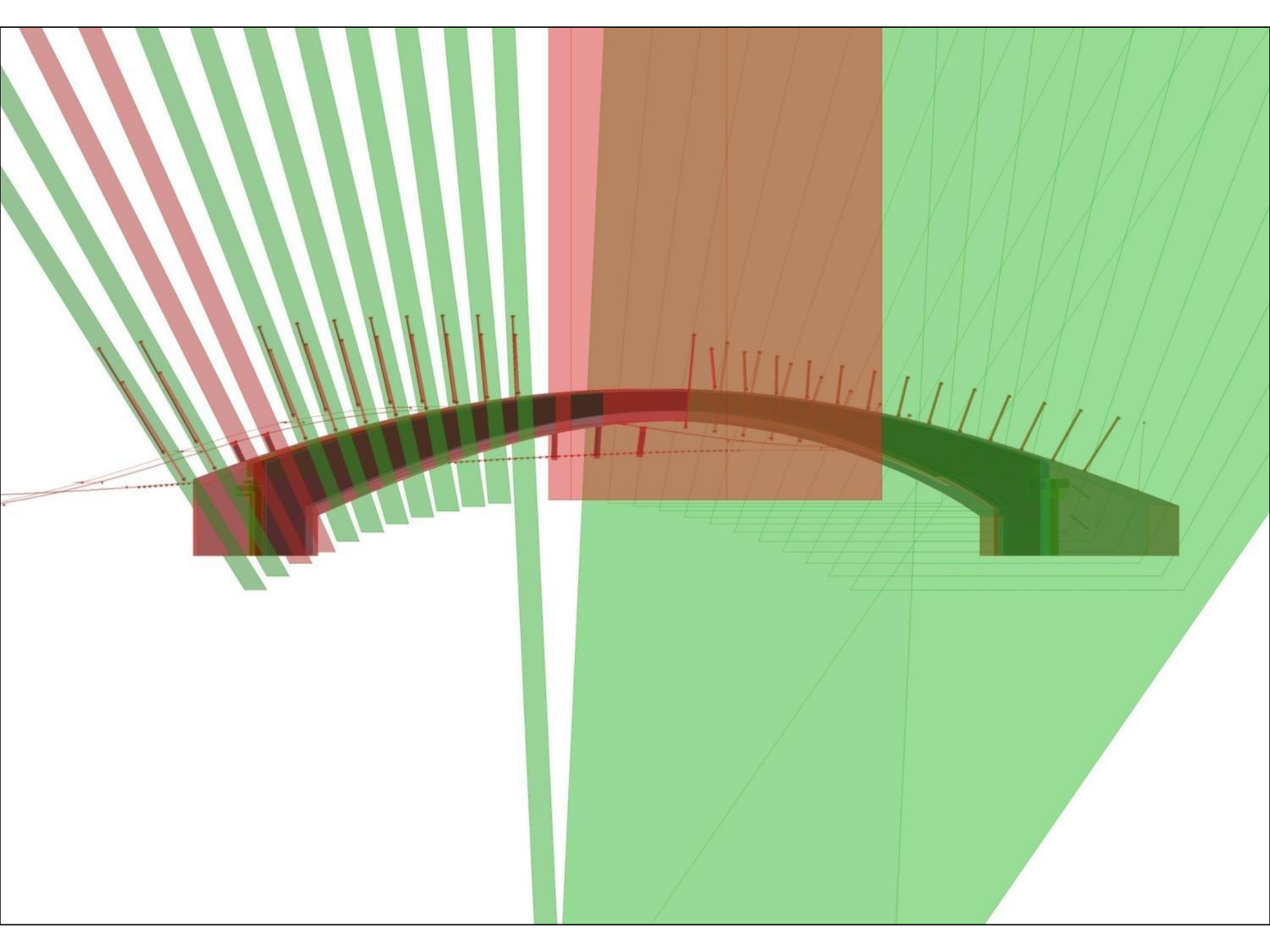
# EASTERN ARCH



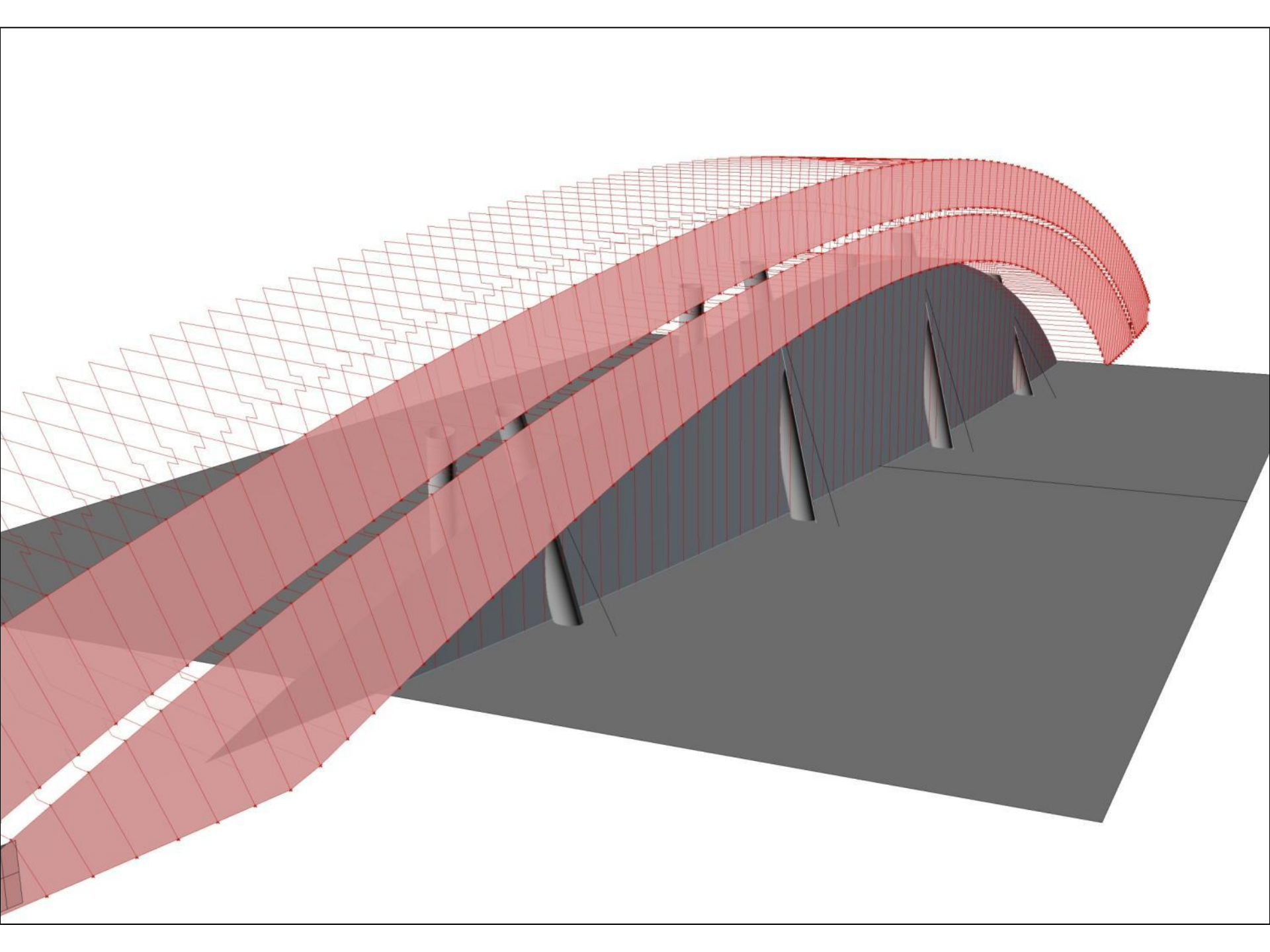


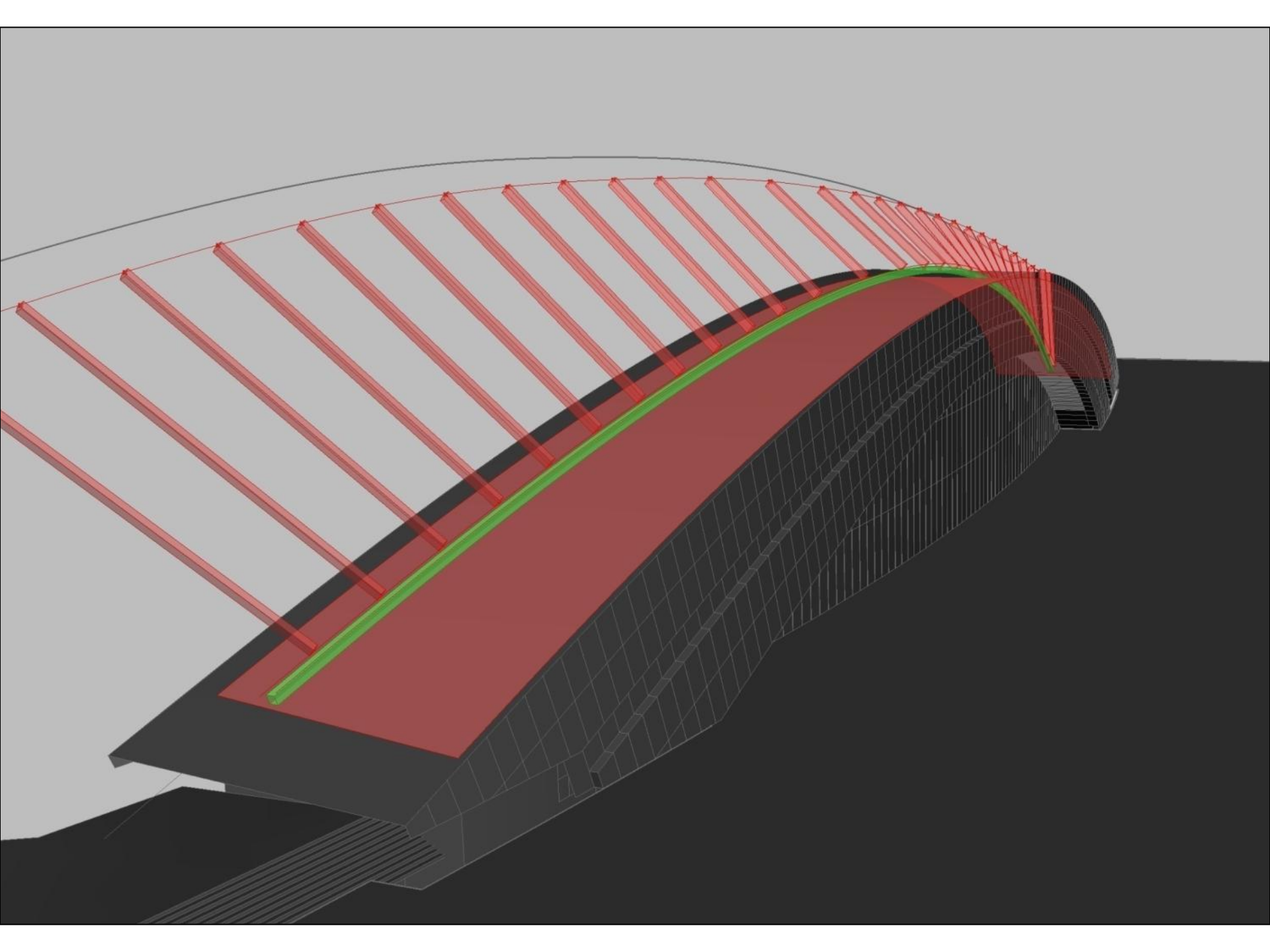




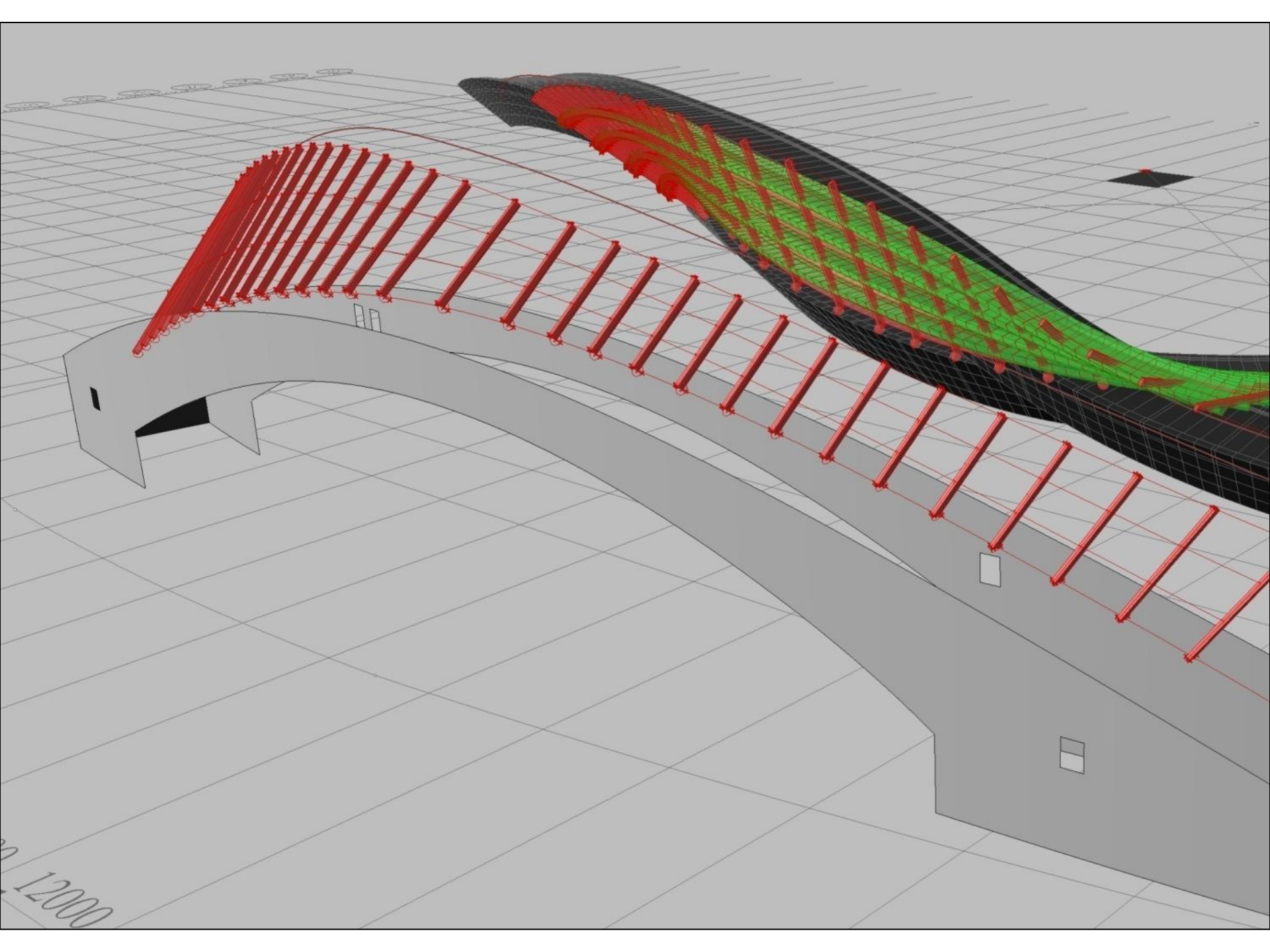








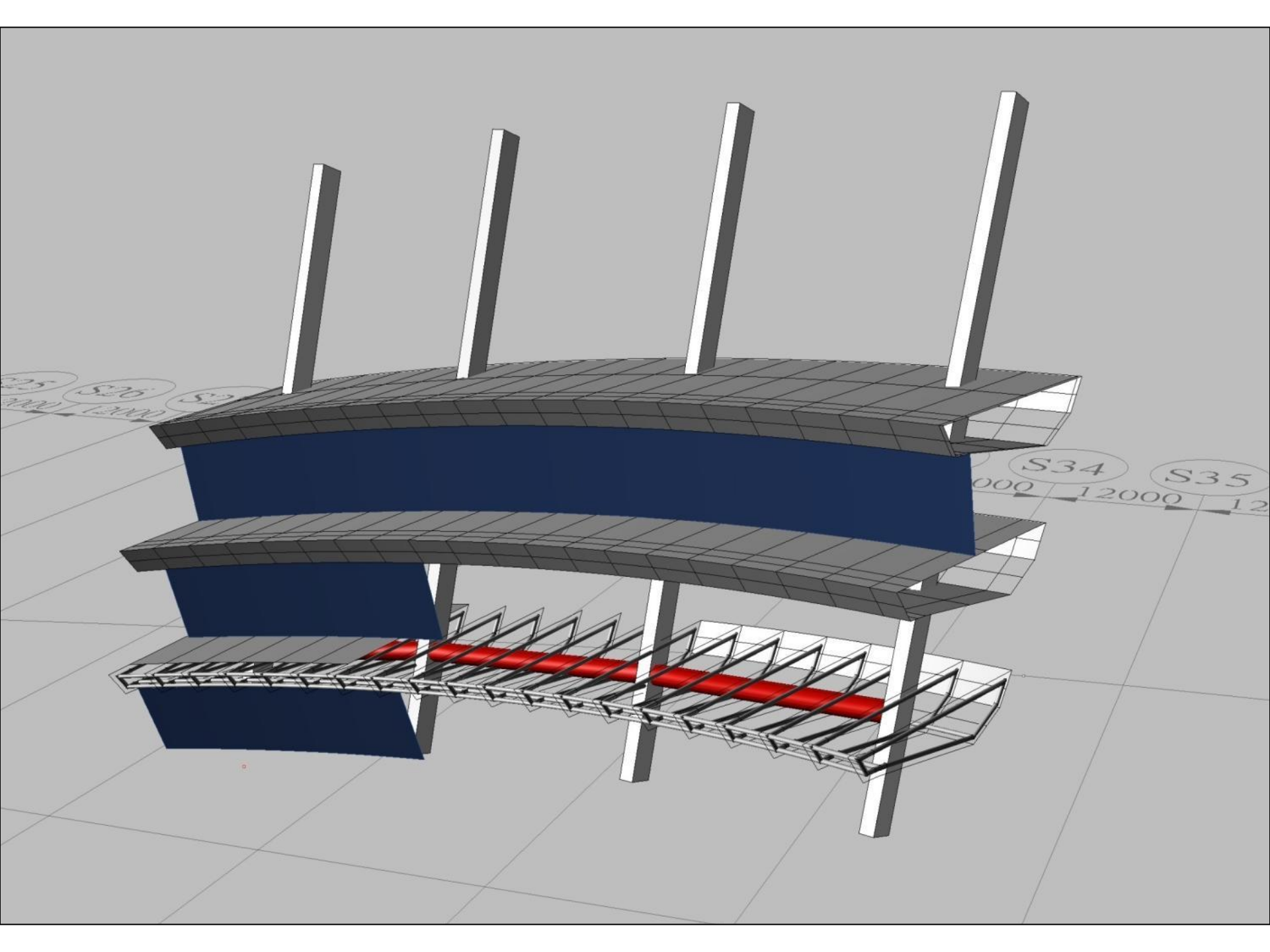




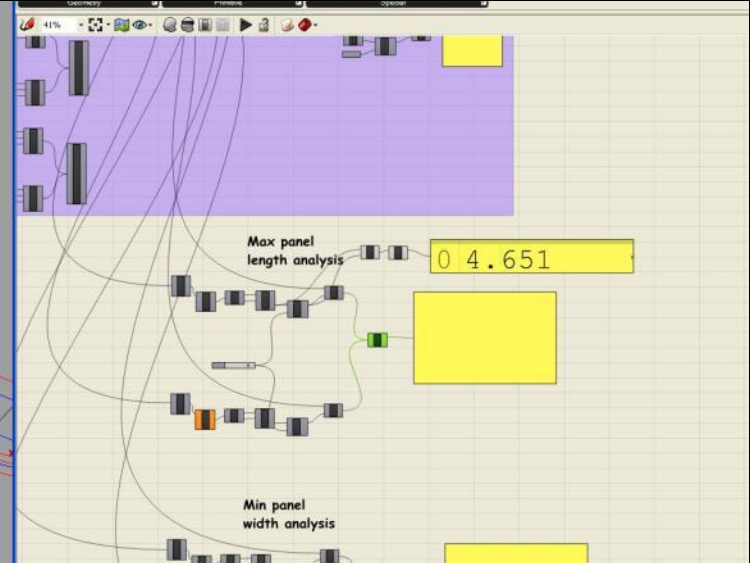
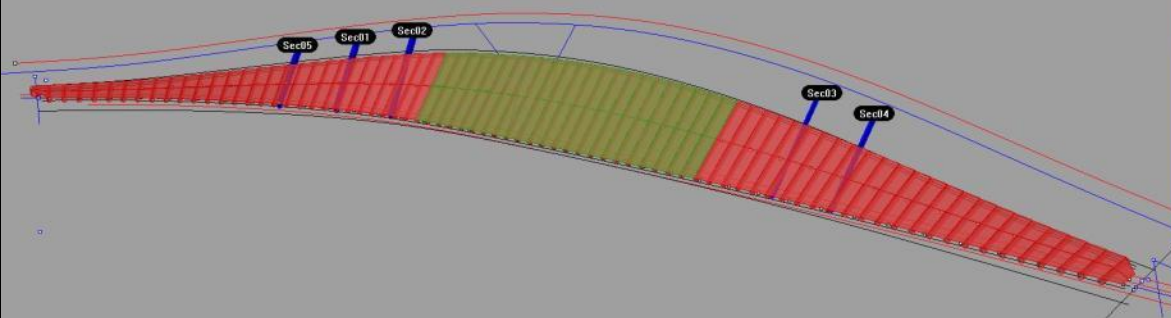
# CLERESTORY







Perspective



Perspective

