



Methods SG Pte Ltd

-Construction Methodology and Formworks.

Company Profile

Methods SG

Methods SG Pte. Ltd. is a Singapore based methods Freelance consultant for all kinds of Civil engineering works. We are specialist in design, supply, fabrication and delivering of any kind of formworks. We have worked in projects like High Rise Buildings, Tunnels, Stadiums, Airports, Power Plant, Chemical Plant, Harbour and commercial buildings in countries like Singapore, Malaysia, Hong Kong, China, Vietnam, Cambodia, Philippines and India for above past 10 years.

Methods SG Pte. Ltd. gives the best solutions and methods in Civil engineering field regards Construction Methodology, Site Installation, Construction Phasing, Construction activity Sequences, Civil work Programme, Structural Framings, Construction Equipments like Formworks, Shoring materials, Shutter panels and Platforms, Safety precaution equipments and its design by means of detailed drawings in 2D & 3D, as well as in Animation Video.

“ The easy way to Engineering”

Methods department plays a unique and vital role in the field of Civil Engineering. It explains what to do, how to do and when to do. Methods analyze and give the fastest, easiest, economical and safest way to do the work with the highest level of Quality. It will analyze and suggest the best methods for construction in all aspects including Design, Safety, Economic and Quality. It will ensure the highest level of reusing of materials, thereby limiting the wastages. It will suggest the preassembled or prefabricated formworks for construction, thereby saving the time and man power required for erection and placing.

Methods not only limit it with analyzing and giving the best solutions. It also extends its wings to the time of execution and monitoring the works, whether the things are going as per plans.

“ 361 degree Analyzing ”

Methods SG Pte. Ltd. is the leading Freelance Consultant in Methods. It's starve for innovations and solutions make it to move on, high. It's well experienced and creative minded Engineers, coordinate and workout the best of best solutions for any sort of engineering issues. Methods SG Pte. Ltd. not only train the engineers, technically.

Methods SG will demonstrate everything very detaily by means of drawings and videos. Even the last level labors can understand the drawings and execute the works without any supervision. Our works in Pretender Projects get the attention of Clients and won the lot of Tenders. We always take full responsibilities and accomplish the works in a unique manner.

“ Every problem is an opportunity ”

1. Site Installation.
2. Structural Framing Proposal.
3. Construction Cycle.
4. Construction Phasing.
5. Construction Activity Sequences.
6. Construction Equipments and Machineries.
7. Steel Formwork Fabrication.

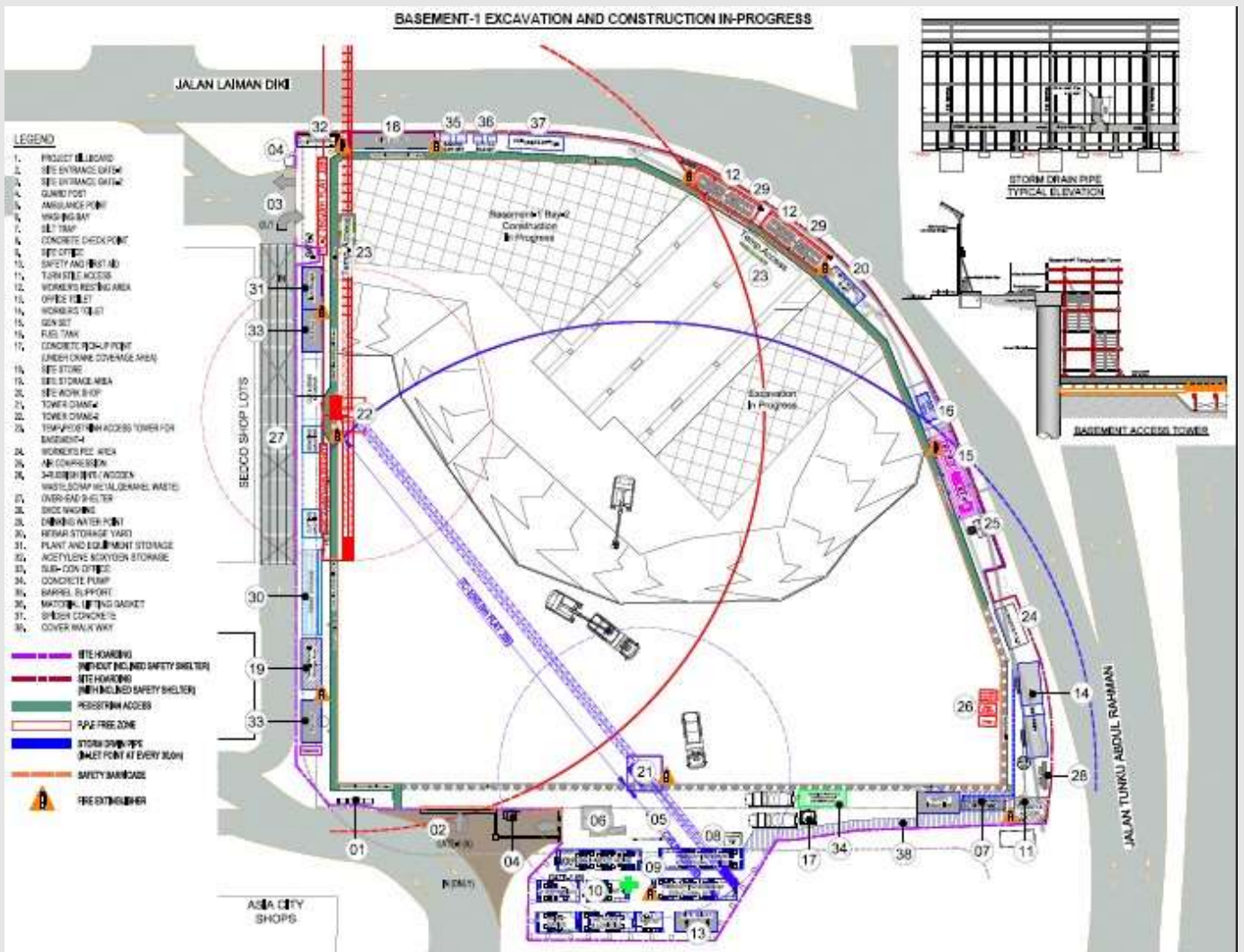
“ Practice makes an Engineer, perfect”

Site Installation is the process of demonstrating the location of temporary site facilities like offices, rest rooms, Tower Cranes, Labor quarters, storage yards, Precast yard, plants, Rubbish Bins, Access Roads, Entrance Gates, Hoardings, etc. (each and every things in the site) at various phases of construction site.

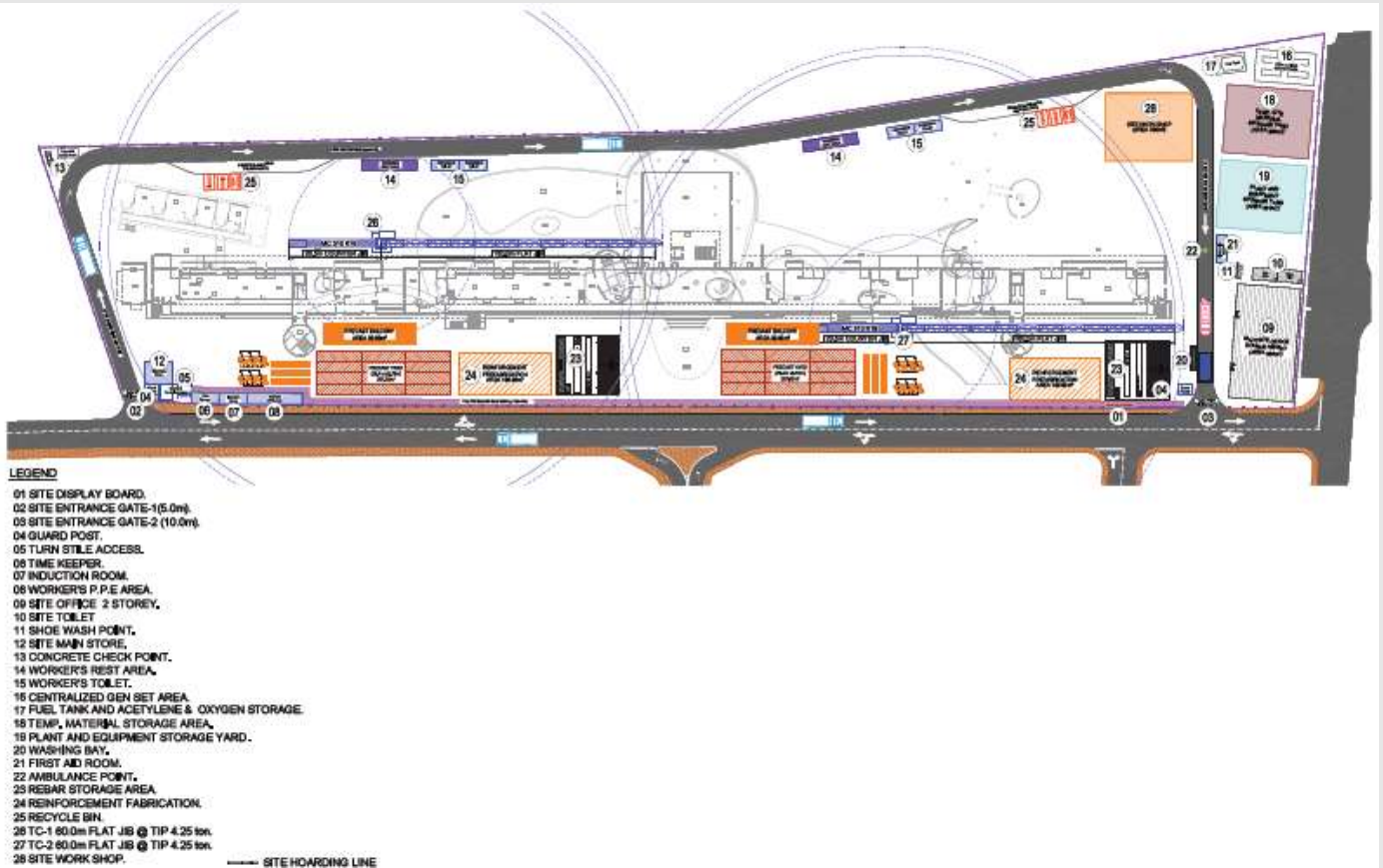
It will give the clear idea about size and model of machineries and equipments required for construction. It will pre analyze the problems which may come during the construction . You will have a solution in hand before starting the work. So you can continue the work without any obstruction, while constructing.

“ Practice makes an Engineer, perfect”

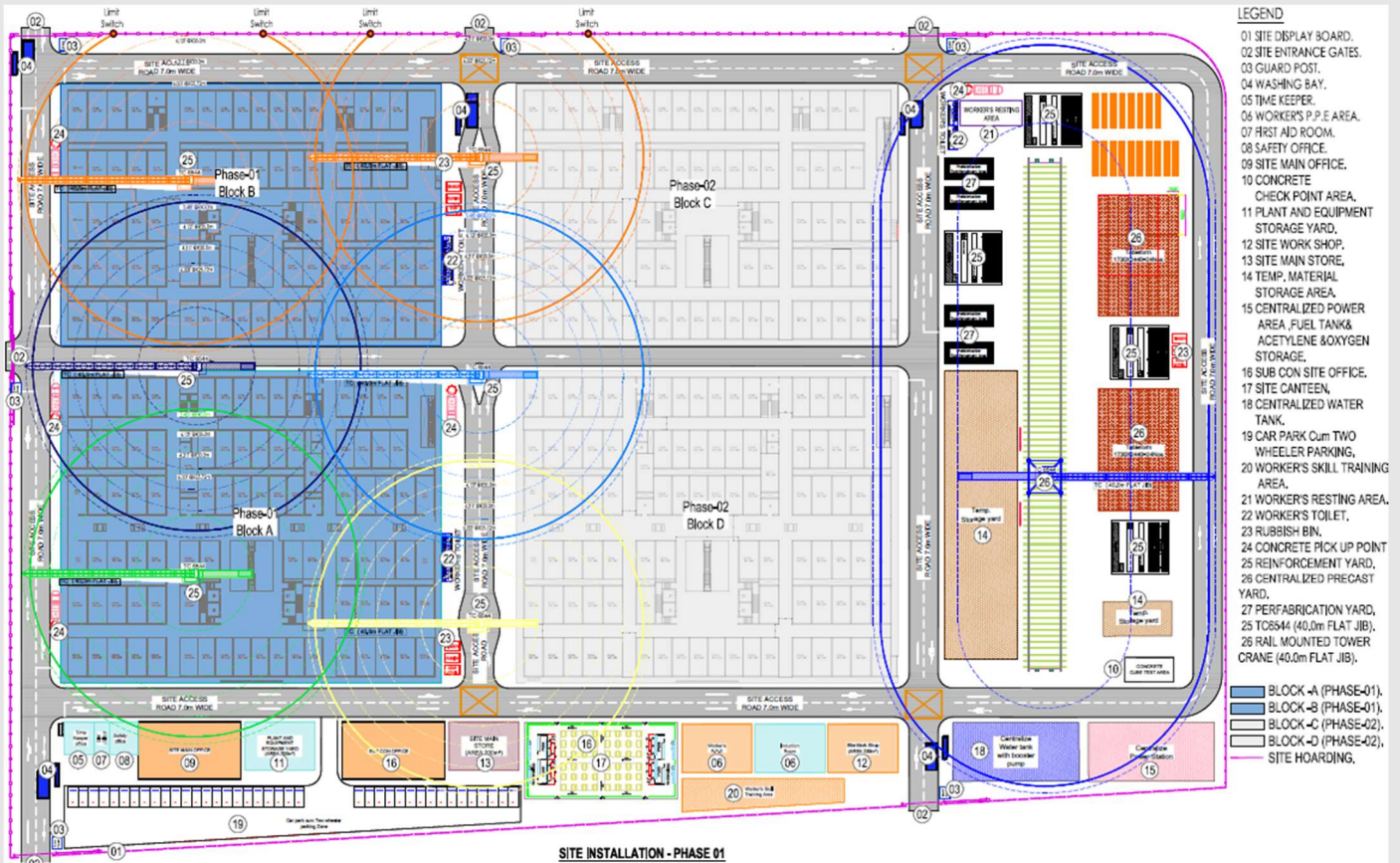
Example 01: Site Installation for Basement Excavation Phase of Menara Hap Seng Project, Kota Kinabalu, Malaysia.



Example 02: Site Installation Phase - 01 of Alila Hotel Project, Kota Kinabalu, Malaysia.



Example 03: Site Installation Phase - 01 of VBR Business Park Project, Vijayawada, India.

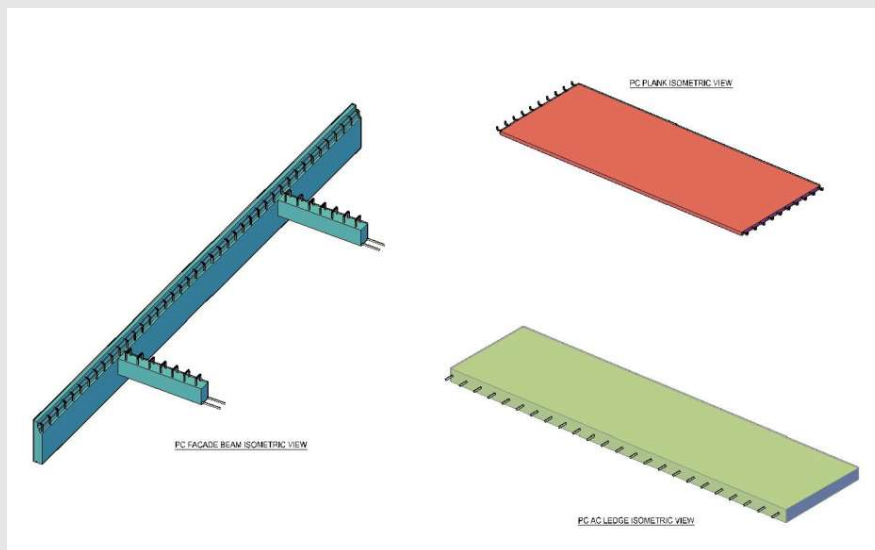


After analyzing and confirming the type of structures like Precast or In-situ, we prepare a Structural Framing plan which comprises the details of vertical and horizontal members like Precast or In-situ type for column, Beams and Slabs. It also gives the details about sizes, quantities and location, precisely. If it is a Precast structure, the Tower Crane Lifting analysis will also be done, detaily.

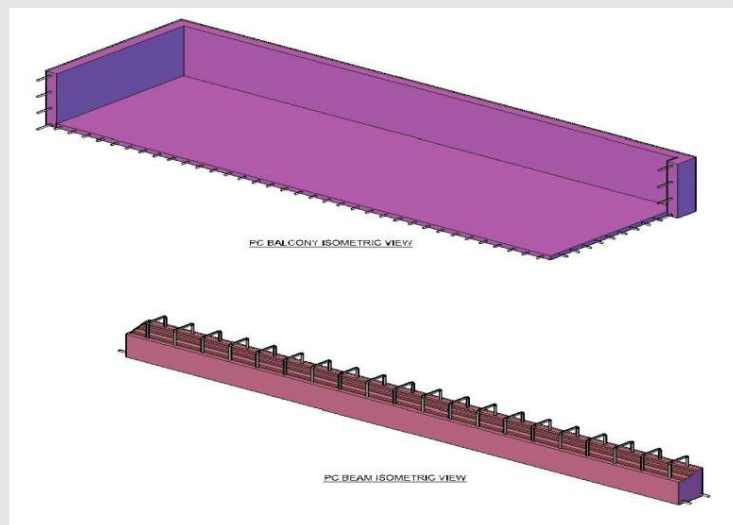
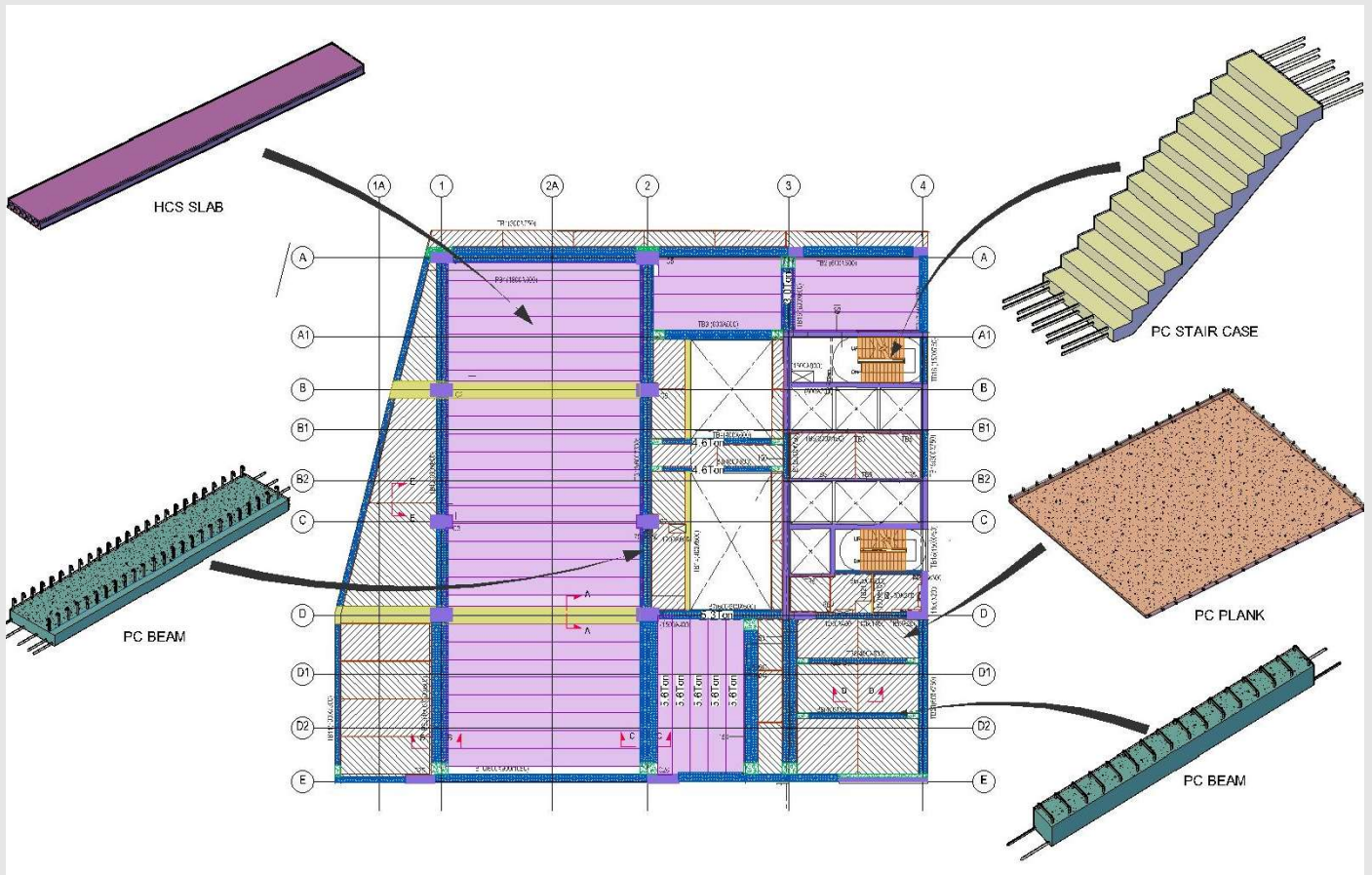
It also comprises the details of type of slab like, Precast, In-situ and HCS. And it also have the required section and 3D details, which will help for easy understanding of members and its connections. It will be a base data for all upcoming processes like construction cycle. Structural Framing have been illustrated with some examples here.

“ Safety, Quality and Time saving are the key”

Example 01: Structural Framing for Alila Hotel Project, Kota Kinabalu, Malaysia.



Example 02: Structural Framing for MHS - 03 Project, Kuala Lumpur, Malaysia.



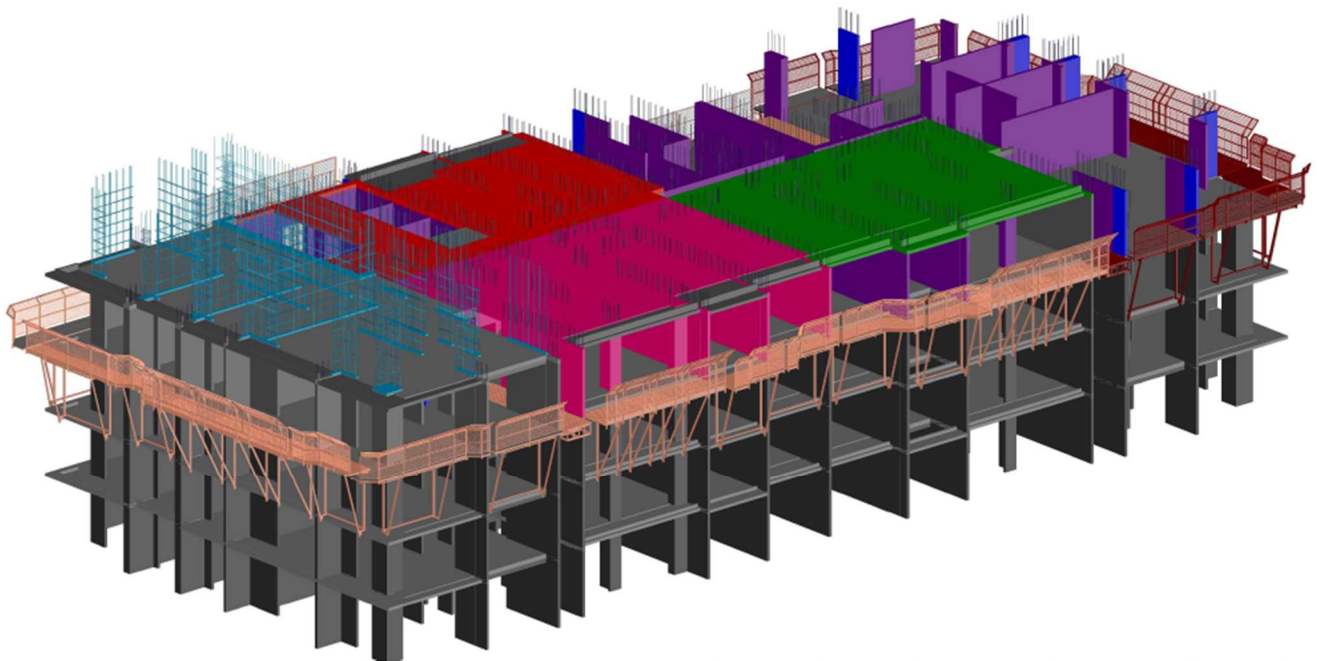
Construction Cycle plays an vital role in reducing the time of construction , mainly for Towers. It elaborates the distribution of construction activities equally among the days with assurance of maximum usage of Tower Crane, daily. We split the activities daily like Platform shifting, installation of Column reinforcement, installation of Column Formwork, casting of Column, Installation Precast Beams and Planks, Installation of reinforcement for Beam and Slabs and topping of Slab.

We will assure that the same quantity of activities will be done daily without any lack. The usage of formwork and man power also distributed equally, daily. So we plan the Cycle with minimum quantity of resources. Crane Saturation will be done to estimate the working hour and no. of Tower required to complete the daily activities.

“ Plan for 29 days and execute in 1 Day”

Example 01: 06 - Days Construction Cycle for Jesselton Residencies Project, Kota Kinabalu, Malaysia. (Day – 01)

TYPICAL LEVEL 6 - DAY CYCLE FOR TOWERS
ACTIVITIES @ DAY - 1



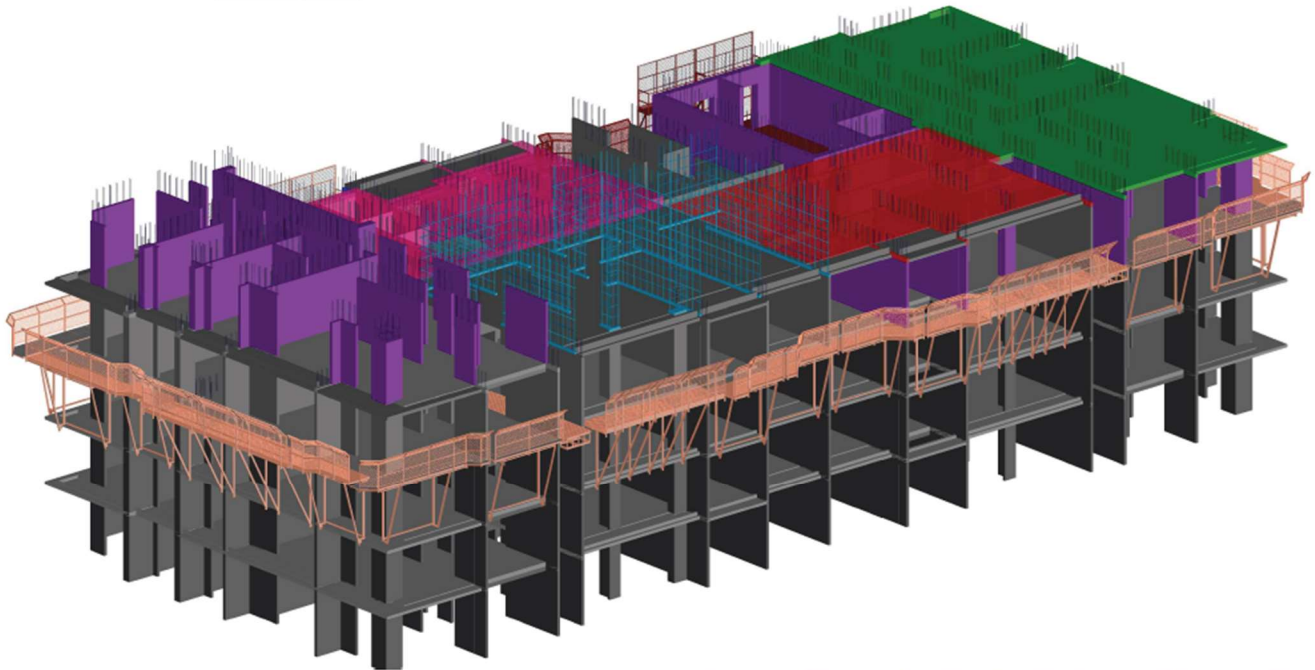
LEGEND:

- WALL / CORE WALL REINFORCEMENT
- WALL / CORE WALL FORMWORK
- WORKING PLATFORM
- INSTALLATION OF PC FIN WALL
- INSTALLATION OF PC BALCONY & SLAB FORMWORK
- SLAB & BEAM REBAR
- WALL & SLAB CASTING



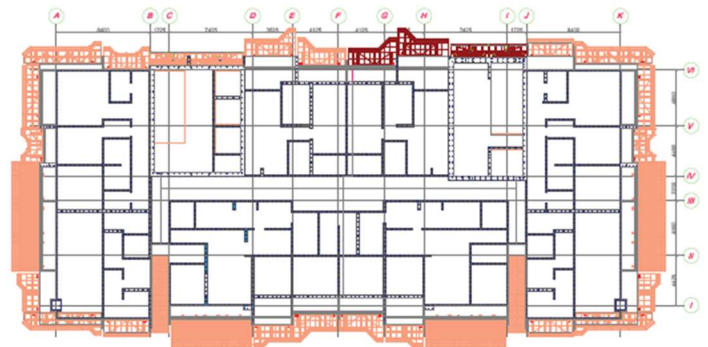
Example 01: 06 - Days Construction Cycle for Jesselton Residencies Project, Kota Kinabalu, Malaysia. (Day – 02)

TYPICAL LEVEL 6 - DAY CYCLE FOR TOWERS
ACTIVITIES @ DAY - 2



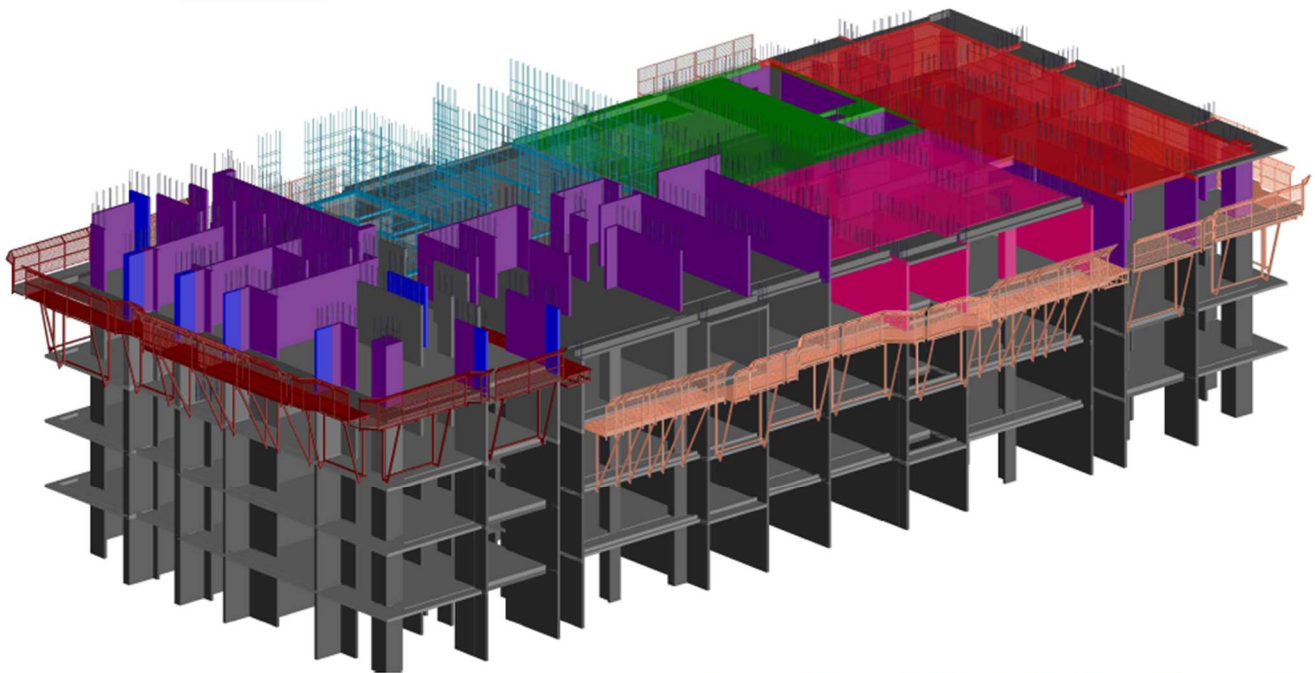
LEGEND :

- WALL / CORE WALL REINFORCEMENT
- WALL / CORE WALLFORMWORK
- WORKING PLATFORM
- INSTALLATION OF PC FIN WALL
- INSTALLATION OF PC BALCONY & SLAB FORMWORK
- SLAB & BEAM REBAR
- WALL & SLAB CASTING



Example 01: 06 - Days Construction Cycle for Jesselton Residencies Project, Kota Kinabalu, Malaysia. (Day – 03)

TYPICAL LEVEL 6 - DAY CYCLE FOR TOWERS
ACTIVITIES @ DAY - 3



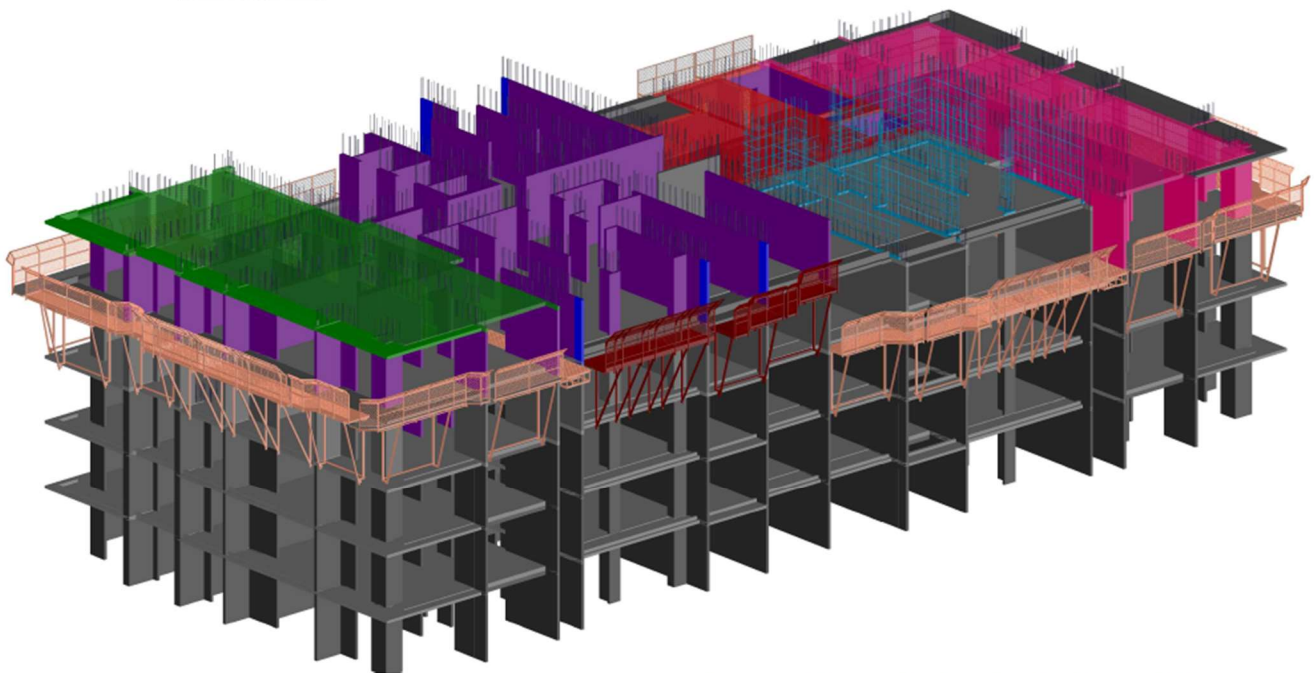
LEGEND:

- WALL / CORE WALL REINFORCEMENT
- WALL / CORE WALL FORMWORK
- WORKING PLATFORM
- INSTALLATION OF PC FIN WALL
- INSTALLATION OF PC BALCONY & SLAB FORMWORK
- SLAB & BEAM REBAR
- WALL & SLAB CASTING



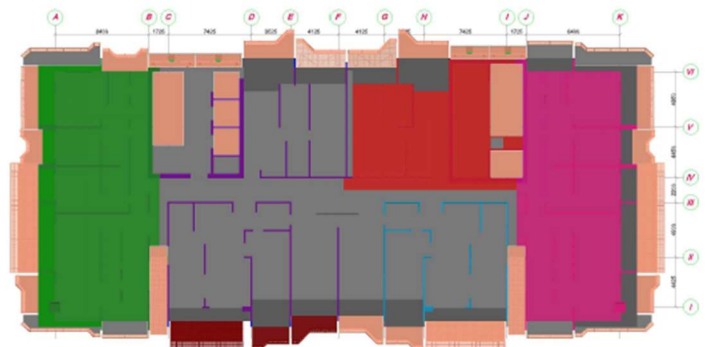
Example 01: 06 - Days Construction Cycle for Jesselton Residencies Project, Kota Kinabalu, Malaysia. (Day – 04)

TYPICAL LEVEL 6 - DAY CYCLE FOR TOWERS
ACTIVITIES @ DAY - 4



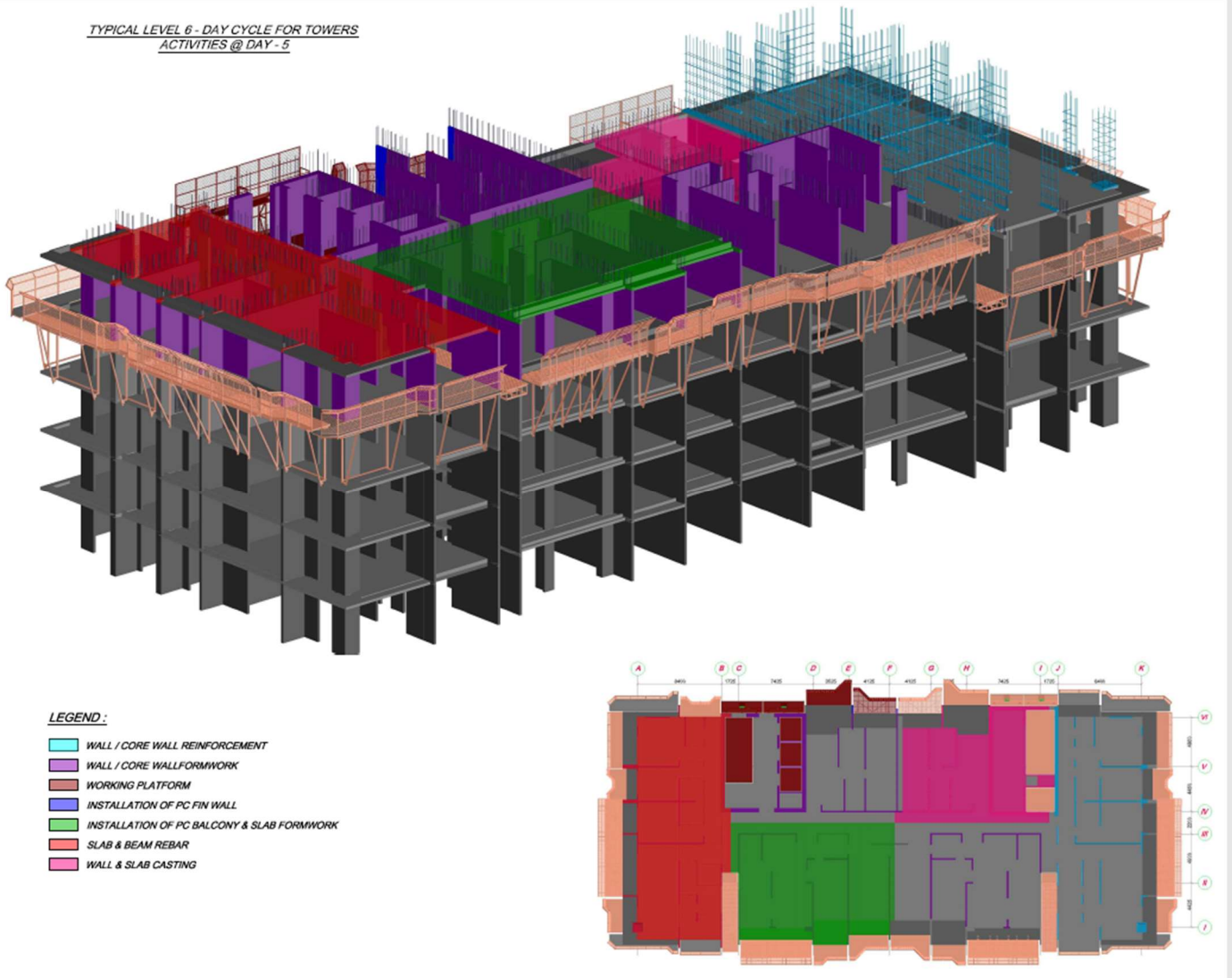
LEGEND:

- WALL / CORE WALL REINFORCEMENT
- WALL / CORE WALL FORMWORK
- WORKING PLATFORM
- INSTALLATION OF PC FIN WALL
- INSTALLATION OF PC BALCONY & SLAB FORMWORK
- SLAB & BEAM REBAR
- WALL & SLAB CASTING



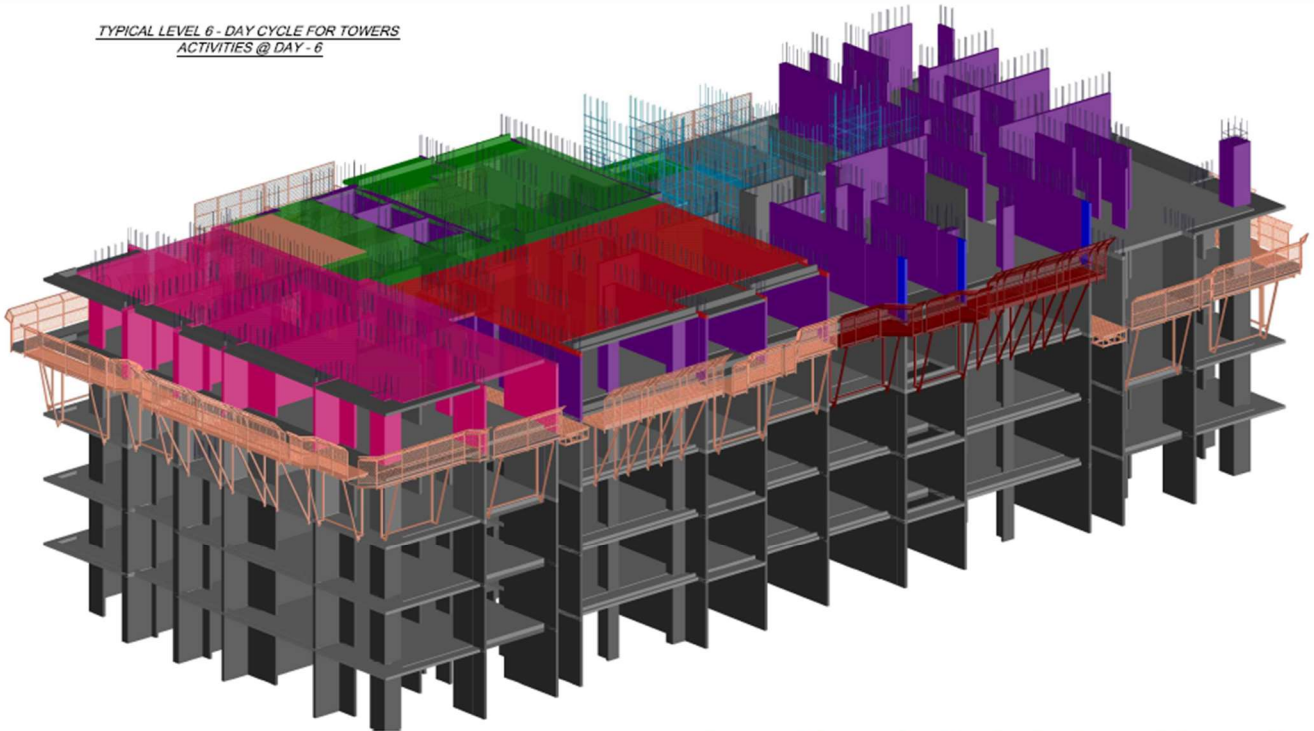
Example 01: 06 - Days Construction Cycle for Jesselton Residencies Project, Kota Kinabalu, Malaysia. (Day – 05)

TYPICAL LEVEL 6 - DAY CYCLE FOR TOWERS
ACTIVITIES @ DAY - 5



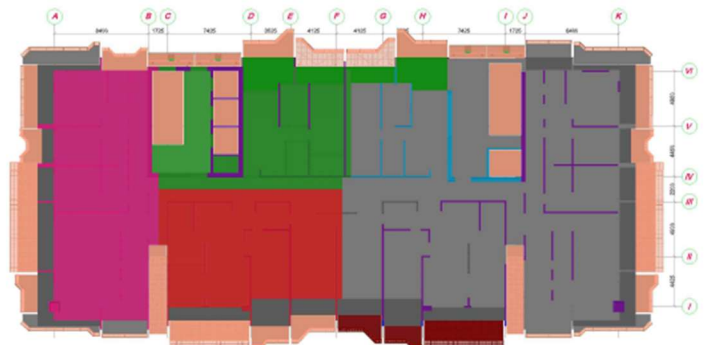
Example 01: 06 - Days Construction Cycle for Jesselton Residencies Project, Kota Kinabalu, Malaysia. (Day – 06)

TYPICAL LEVEL 6 - DAY CYCLE FOR TOWERS
ACTIVITIES @ DAY - 6



LEGEND :

- WALL / CORE WALL REINFORCEMENT
- WALL / CORE WALL FORMWORK
- WORKING PLATFORM
- INSTALLATION OF PC FIN WALL
- INSTALLATION OF PC BALCONY & SLAB FORMWORK
- SLAB & BEAM REBAR
- WALL & SLAB CASTING

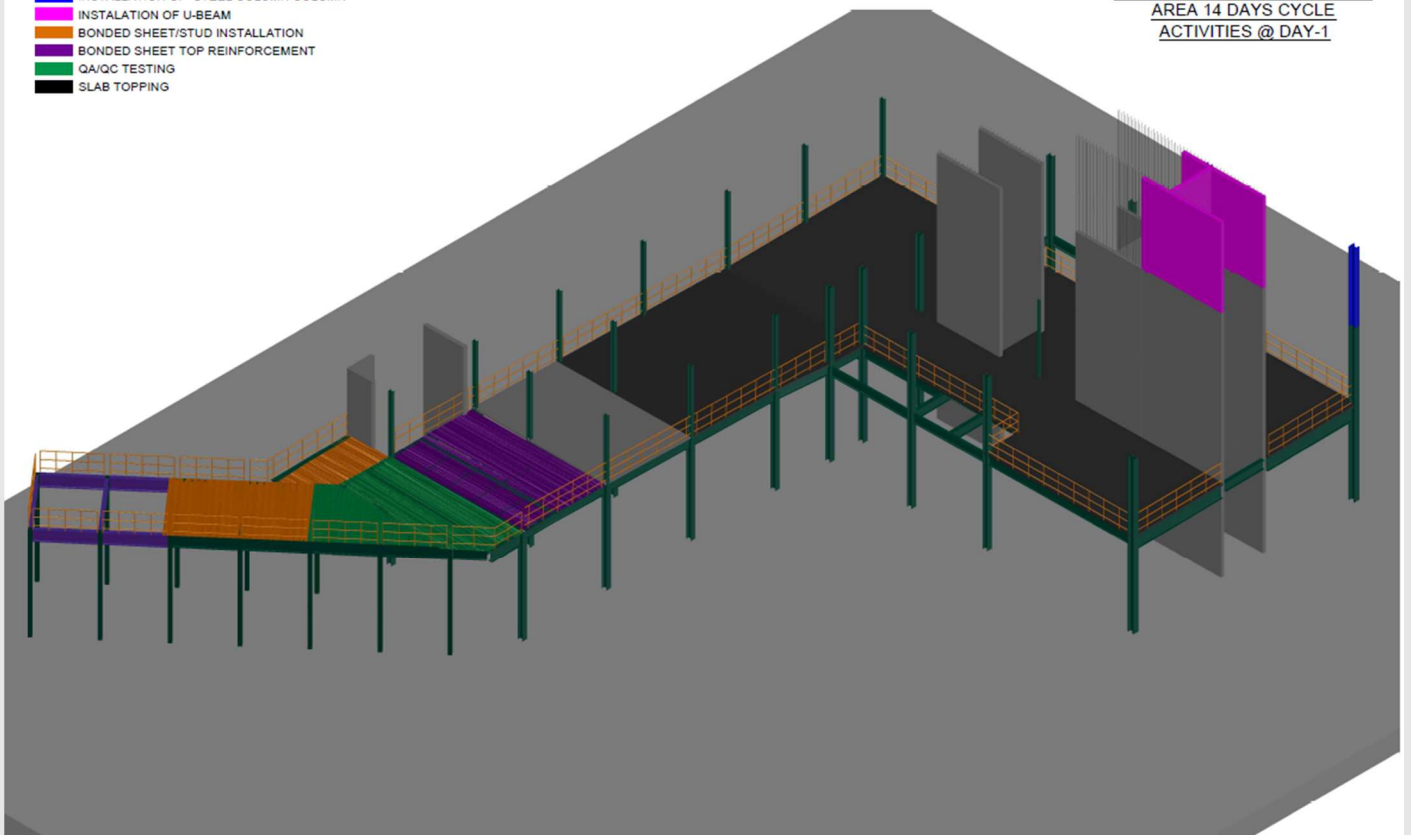


Example 02: 14 - Days Construction Cycle for Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Day – 01)

ACTIVITY LEGEND

- INSTALLATION OF STEEL COLUMN COLUMN
- INSTALLATION OF U-BEAM
- BONDED SHEET/STUD INSTALLATION
- BONDED SHEET TOP REINFORCEMENT
- QA/QC TESTING
- SLAB TOPPING

NORTH SATILITE CONCOURSE
 AREA 14 DAYS CYCLE
 ACTIVITIES @ DAY-1

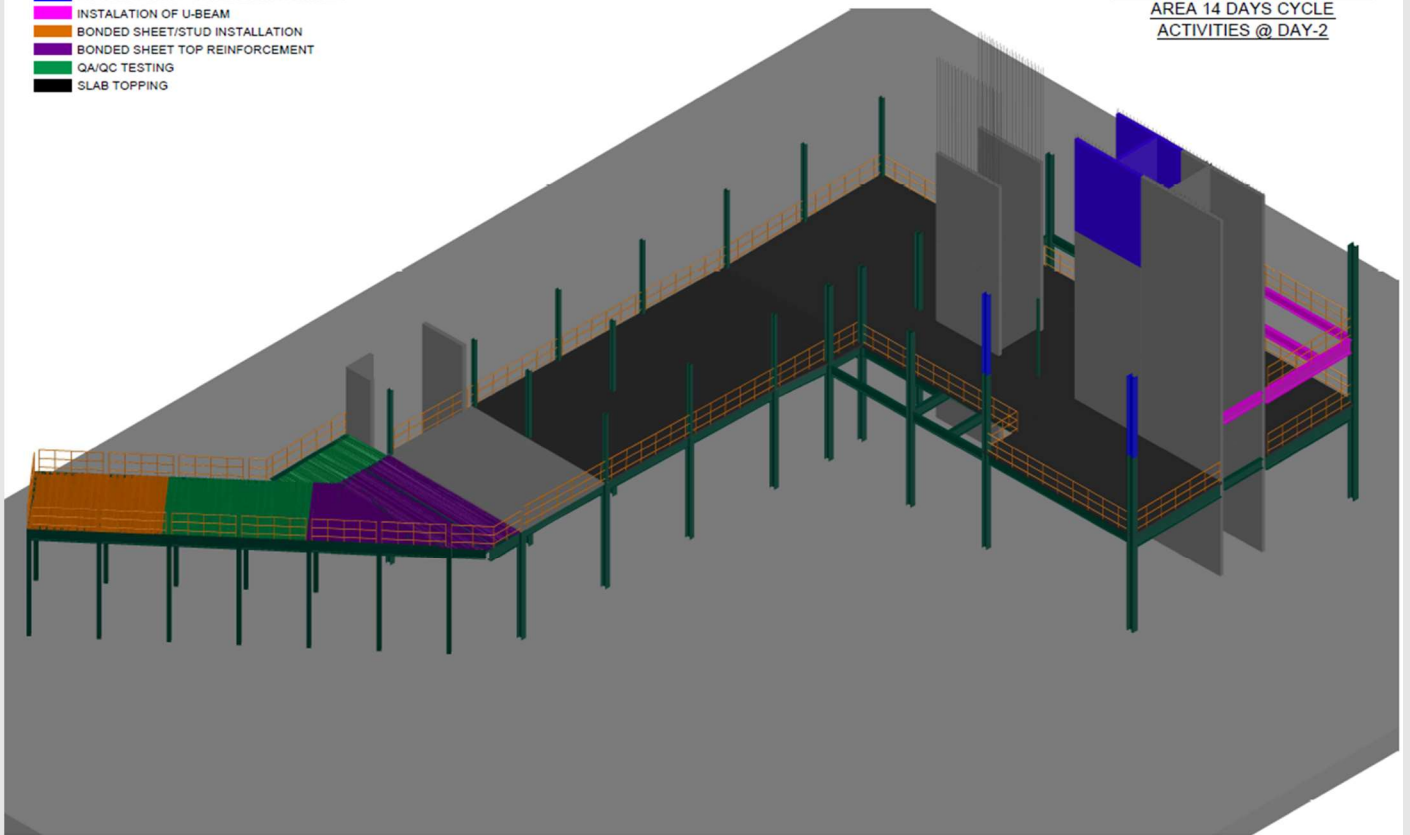


Example 02: 14 - Days Construction Cycle for Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Day – 02)

ACTIVITY LEGEND

- INSTALLATION OF STEEL COLUMN COLUMN
- INSTALLATION OF U-BEAM
- BONDED SHEET/STUD INSTALLATION
- BONDED SHEET TOP REINFORCEMENT
- QA/QC TESTING
- SLAB TOPPING

NORTH SATILITE CONCOURSE
AREA 14 DAYS CYCLE
ACTIVITIES @ DAY-2

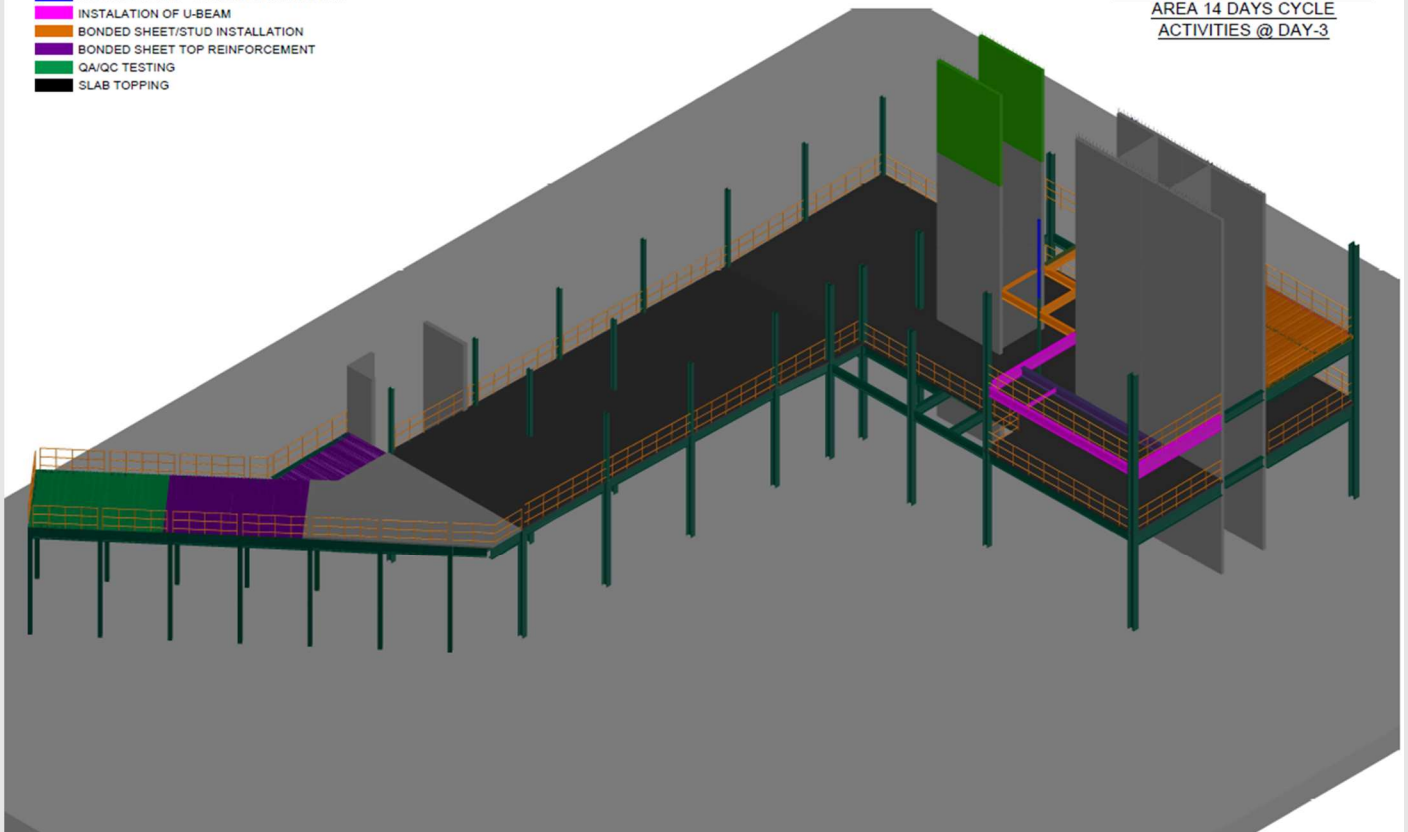


Example 02: 14 - Days Construction Cycle for Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Day – 03)

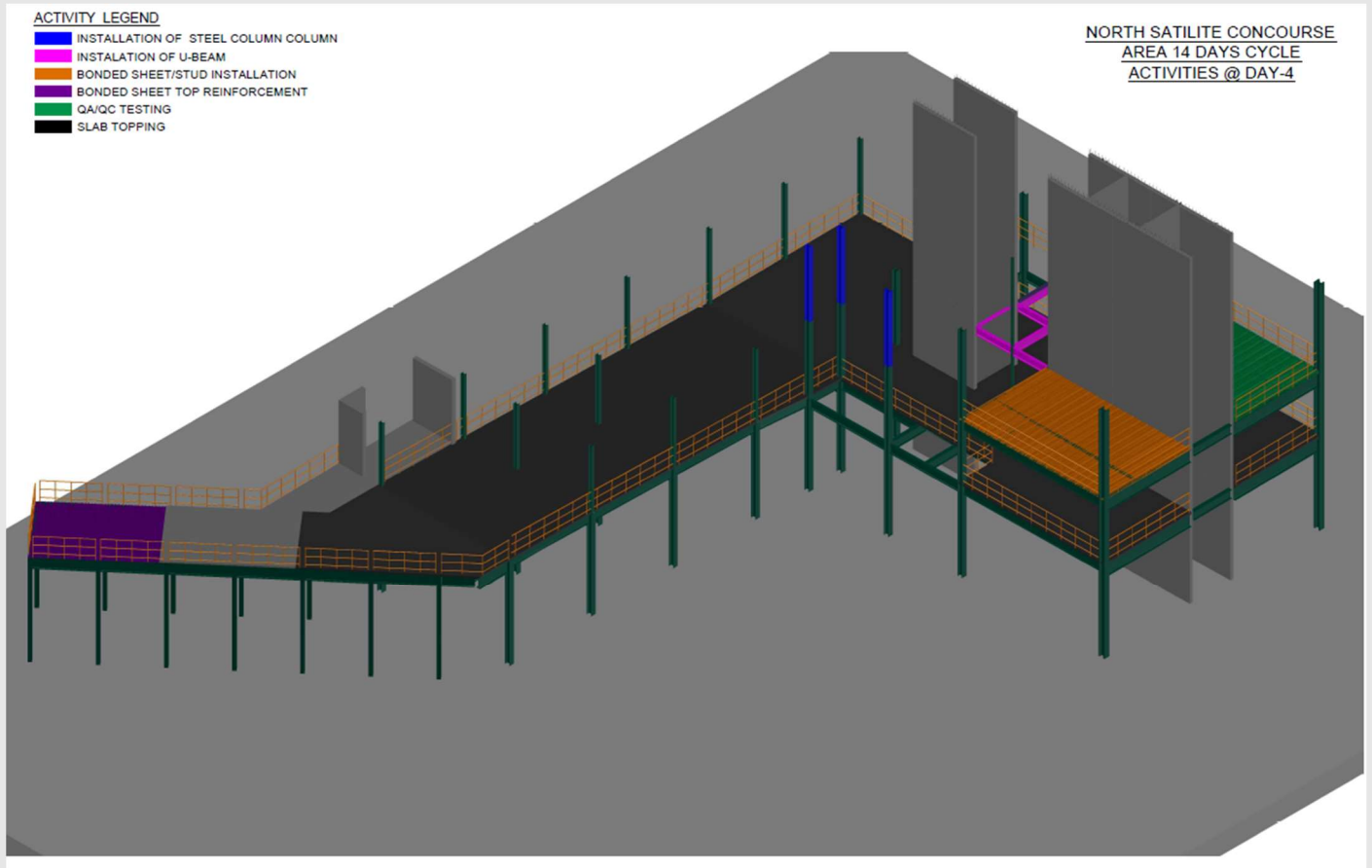
ACTIVITY LEGEND

- INSTALLATION OF STEEL COLUMN COLUMN
- INSTALLATION OF U-BEAM
- BONDED SHEET/STUD INSTALLATION
- BONDED SHEET TOP REINFORCEMENT
- QA/QC TESTING
- SLAB TOPPING

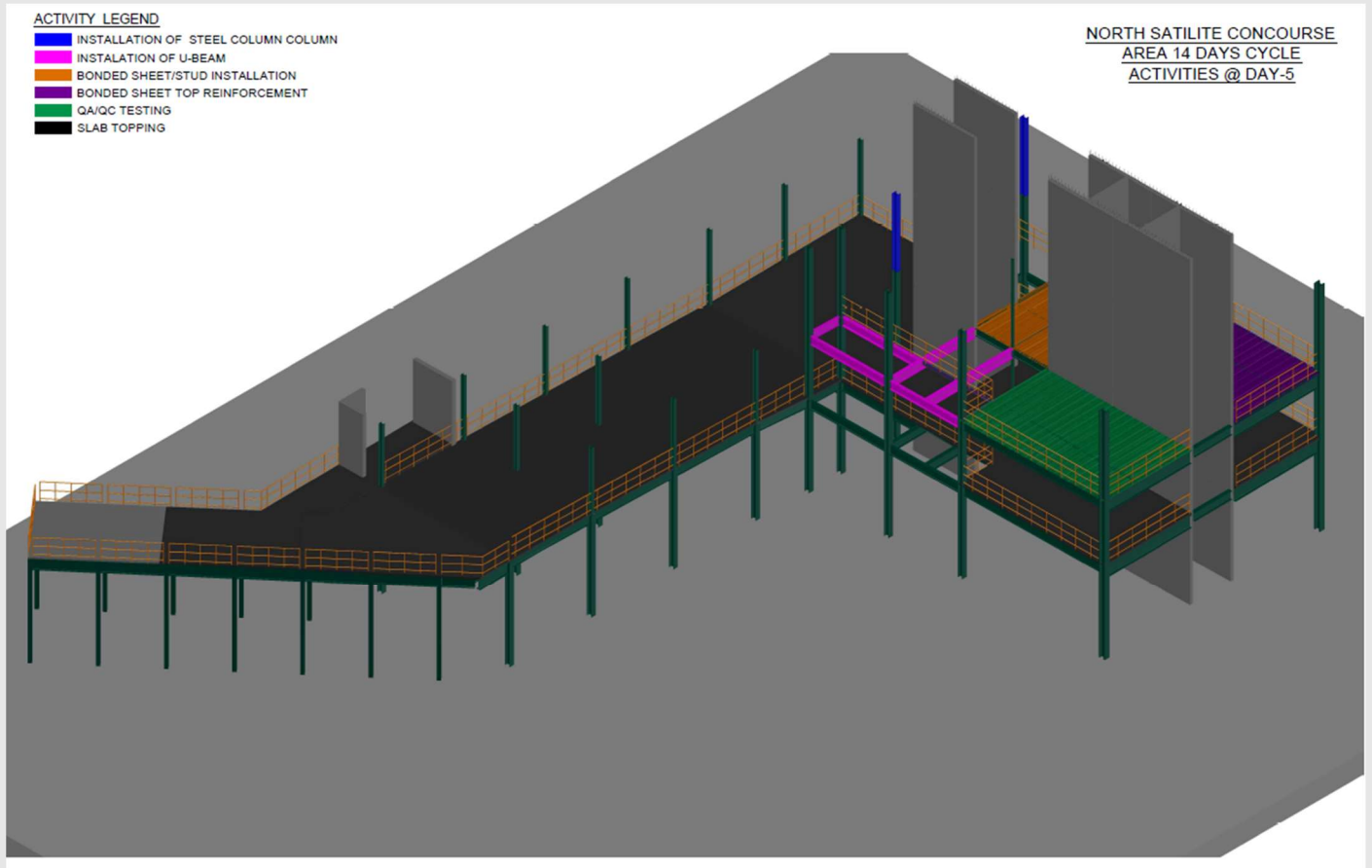
NORTH SATILITE CONCOURSE
 AREA 14 DAYS CYCLE
 ACTIVITIES @ DAY-3



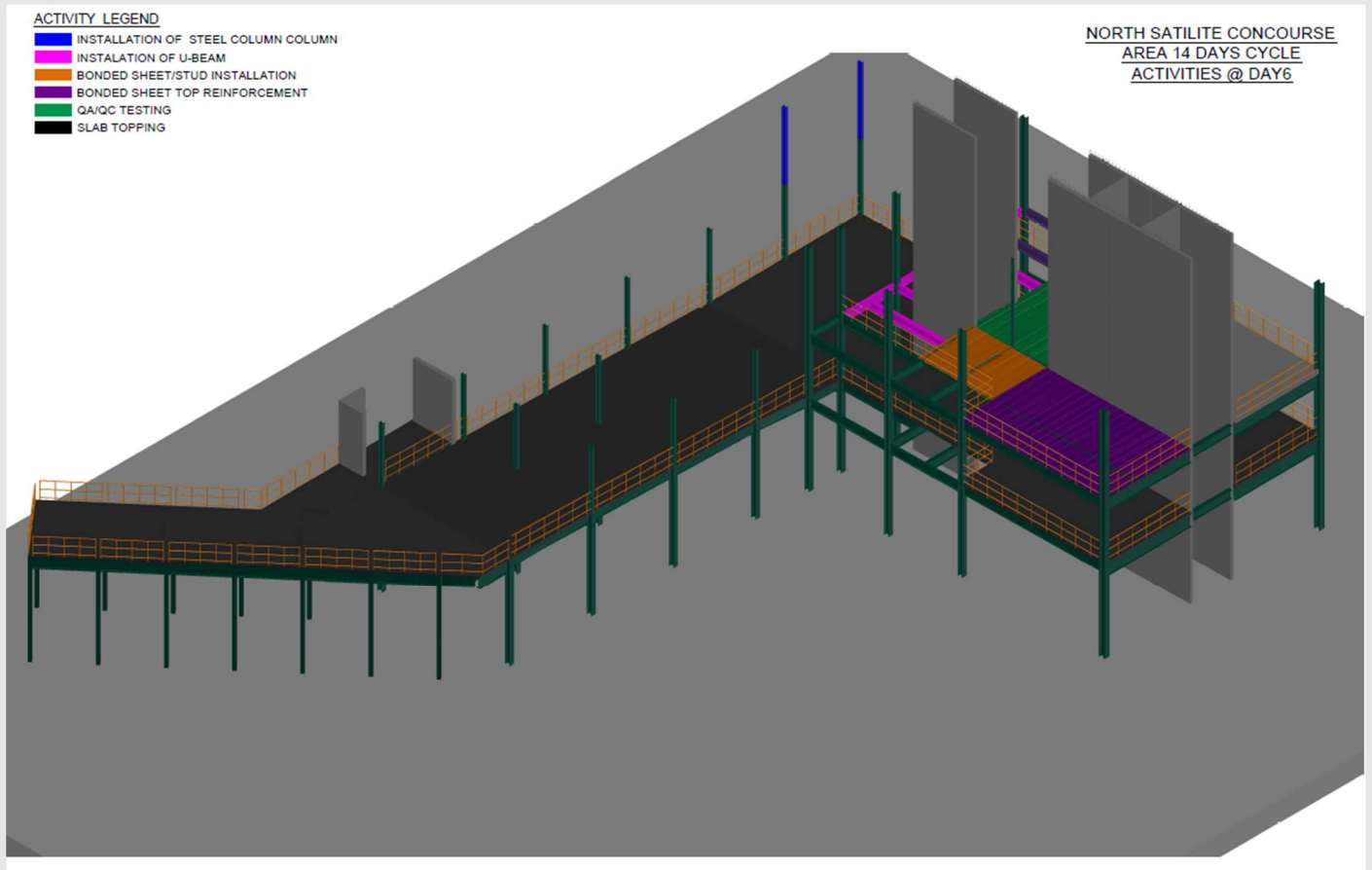
Example 02: 14 - Days Construction Cycle for Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Day – 04)



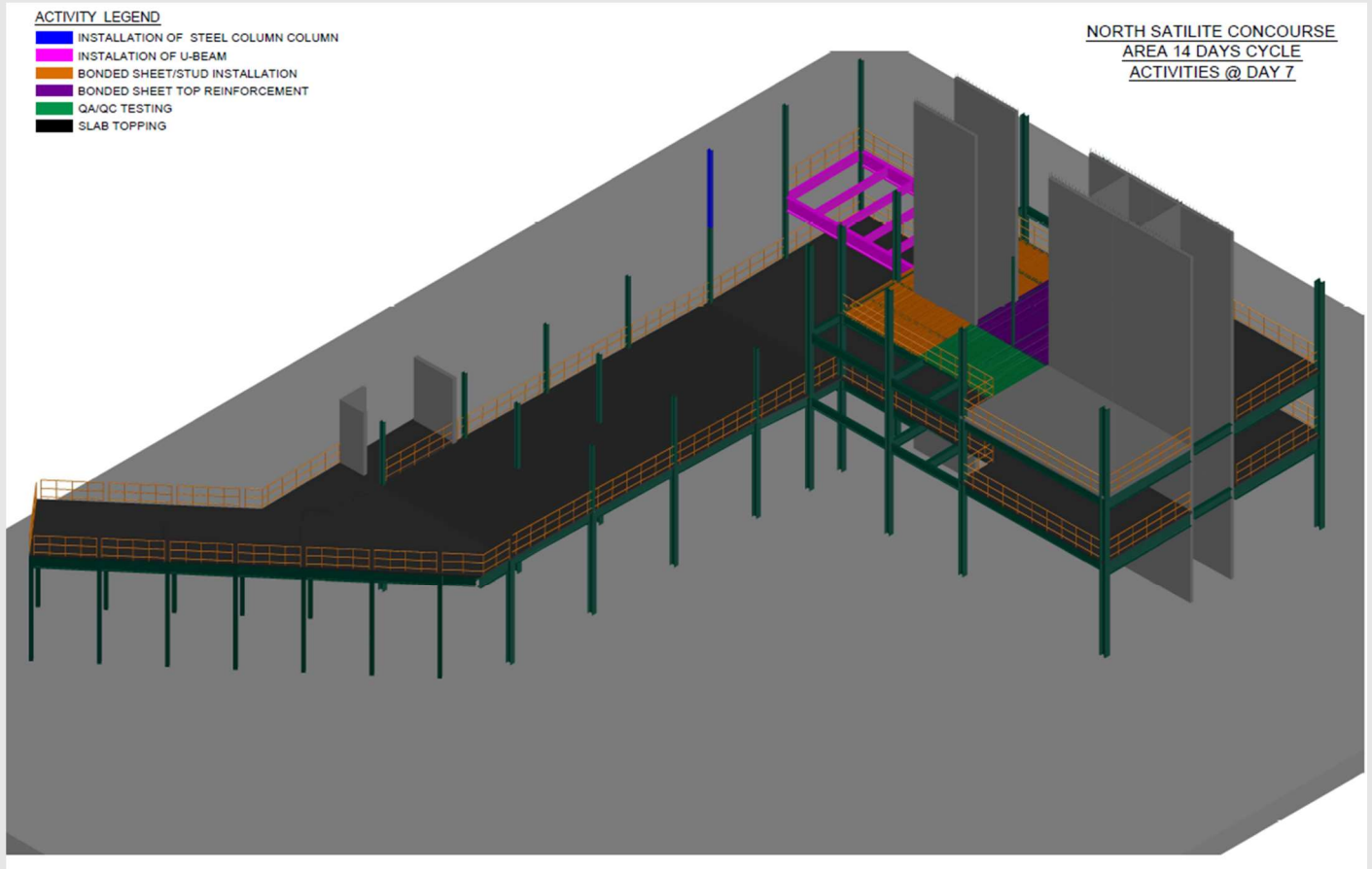
Example 02: 14 - Days Construction Cycle for Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Day – 05)



Example 02: 14 - Days Construction Cycle for Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Day – 06)



Example 02: 14 - Days Construction Cycle for Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Day – 07)

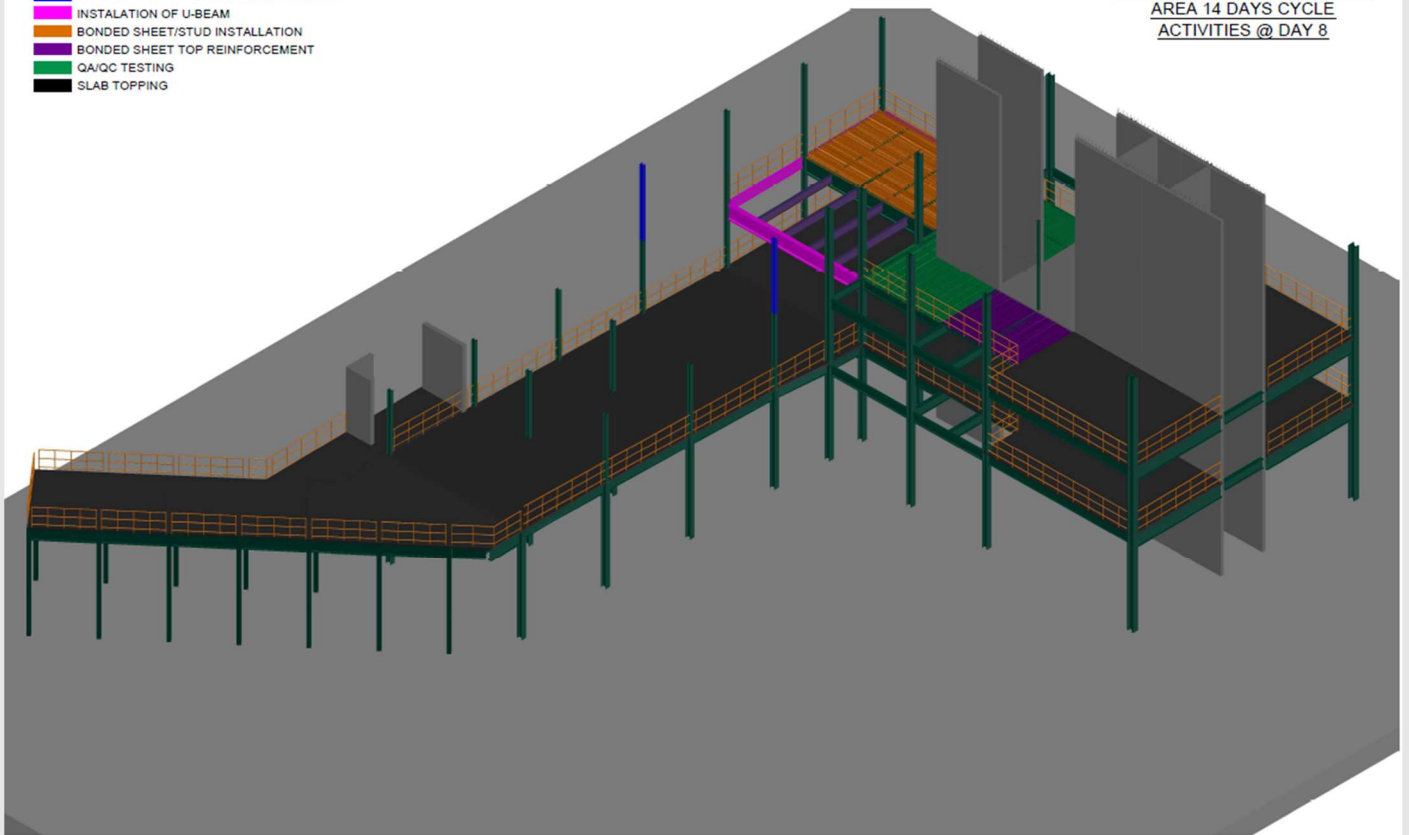


Example 02: 14 - Days Construction Cycle for Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Day – 08)

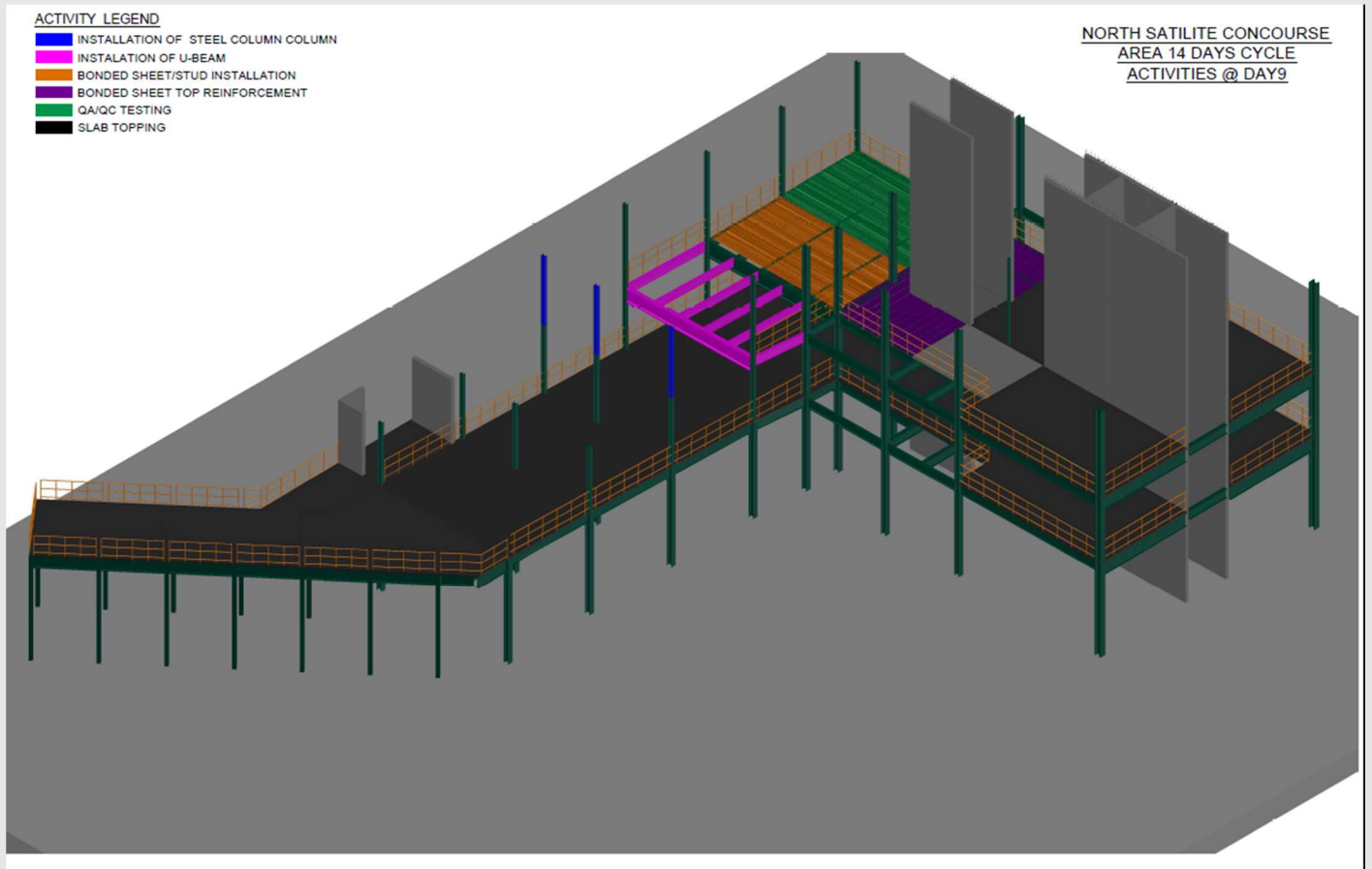
ACTIVITY LEGEND

- INSTALLATION OF STEEL COLUMN COLUMN
- INSTALATION OF U-BEAM
- BONDED SHEET/STUD INSTALLATION
- BONDED SHEET TOP REINFORCEMENT
- QA/QC TESTING
- SLAB TOPPING

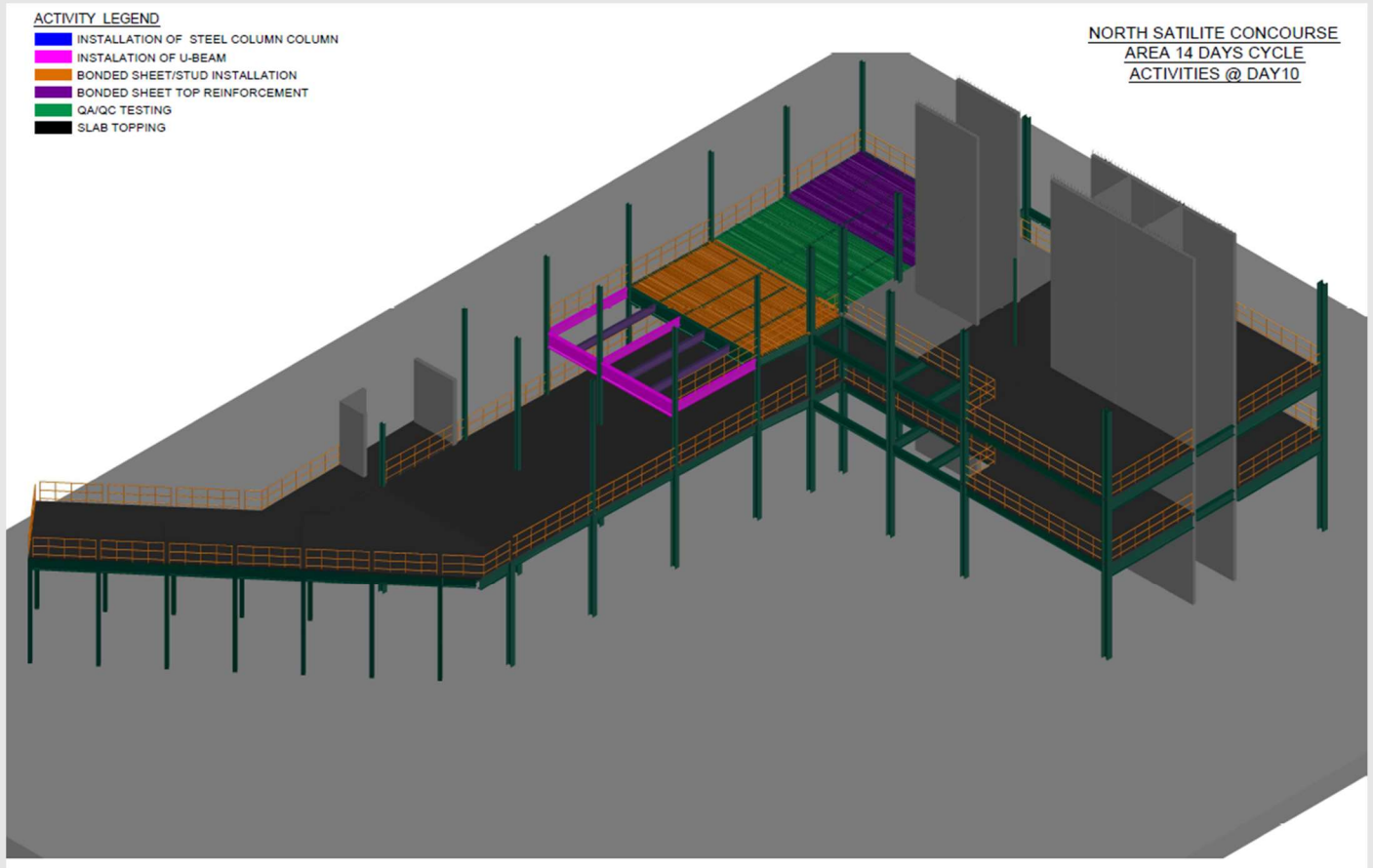
NORTH SATILITE CONCOURSE
AREA 14 DAYS CYCLE
ACTIVITIES @ DAY 8



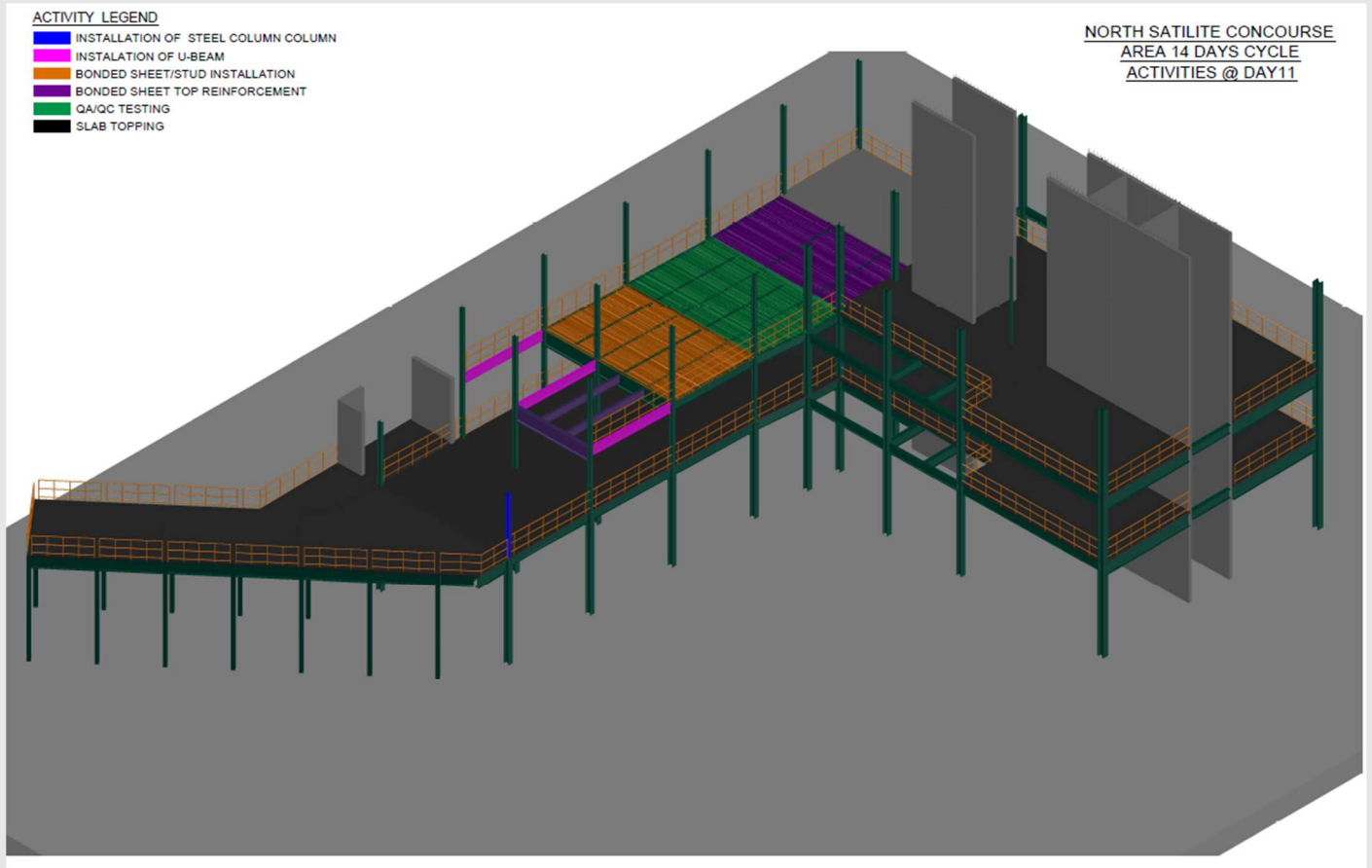
Example 02: 14 - Days Construction Cycle for Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Day – 09)



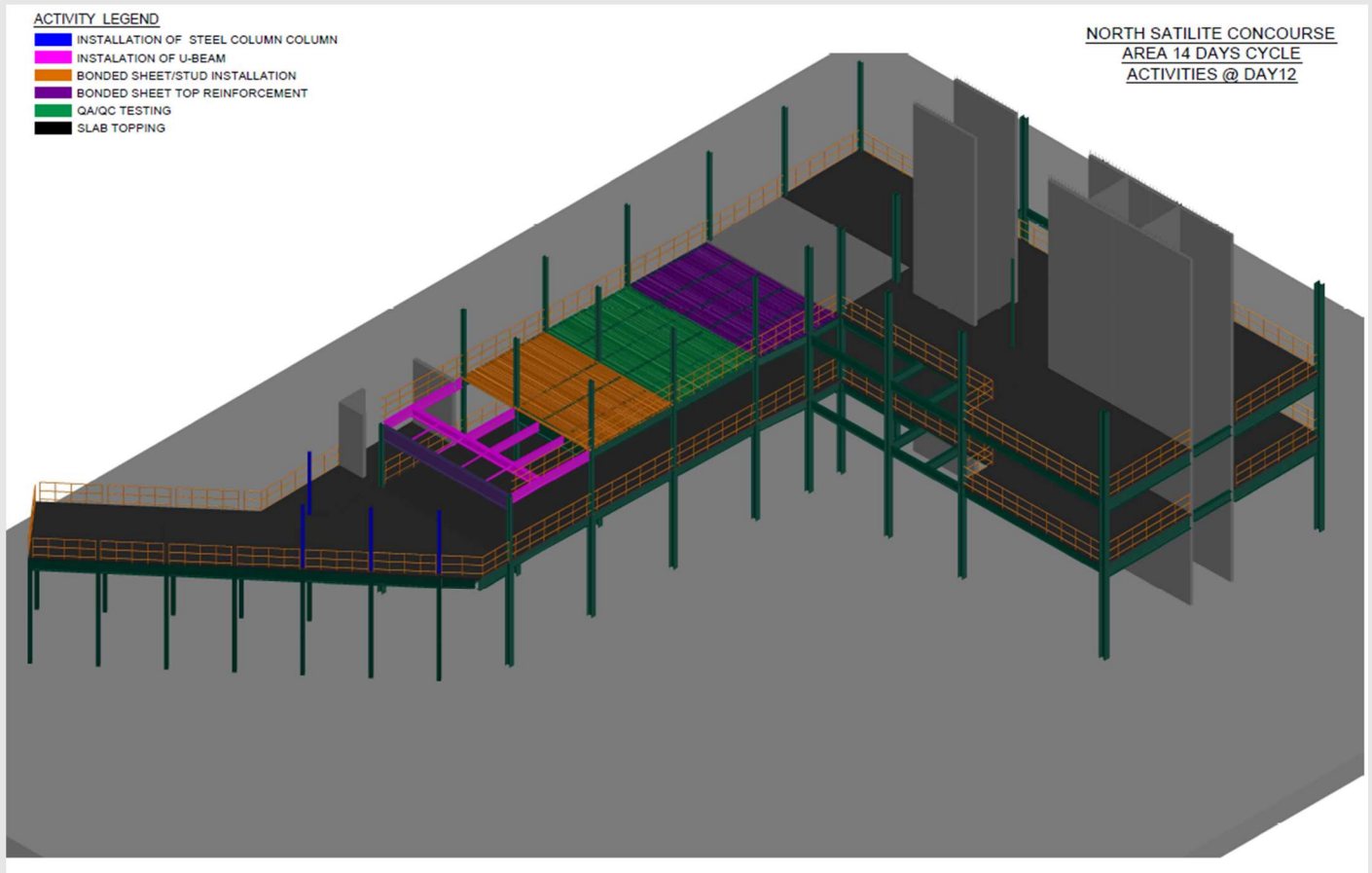
Example 02: 14 - Days Construction Cycle for Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Day – 10)



Example 02: 14 - Days Construction Cycle for Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Day – 11)



Example 02: 14 - Days Construction Cycle for Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Day – 12)

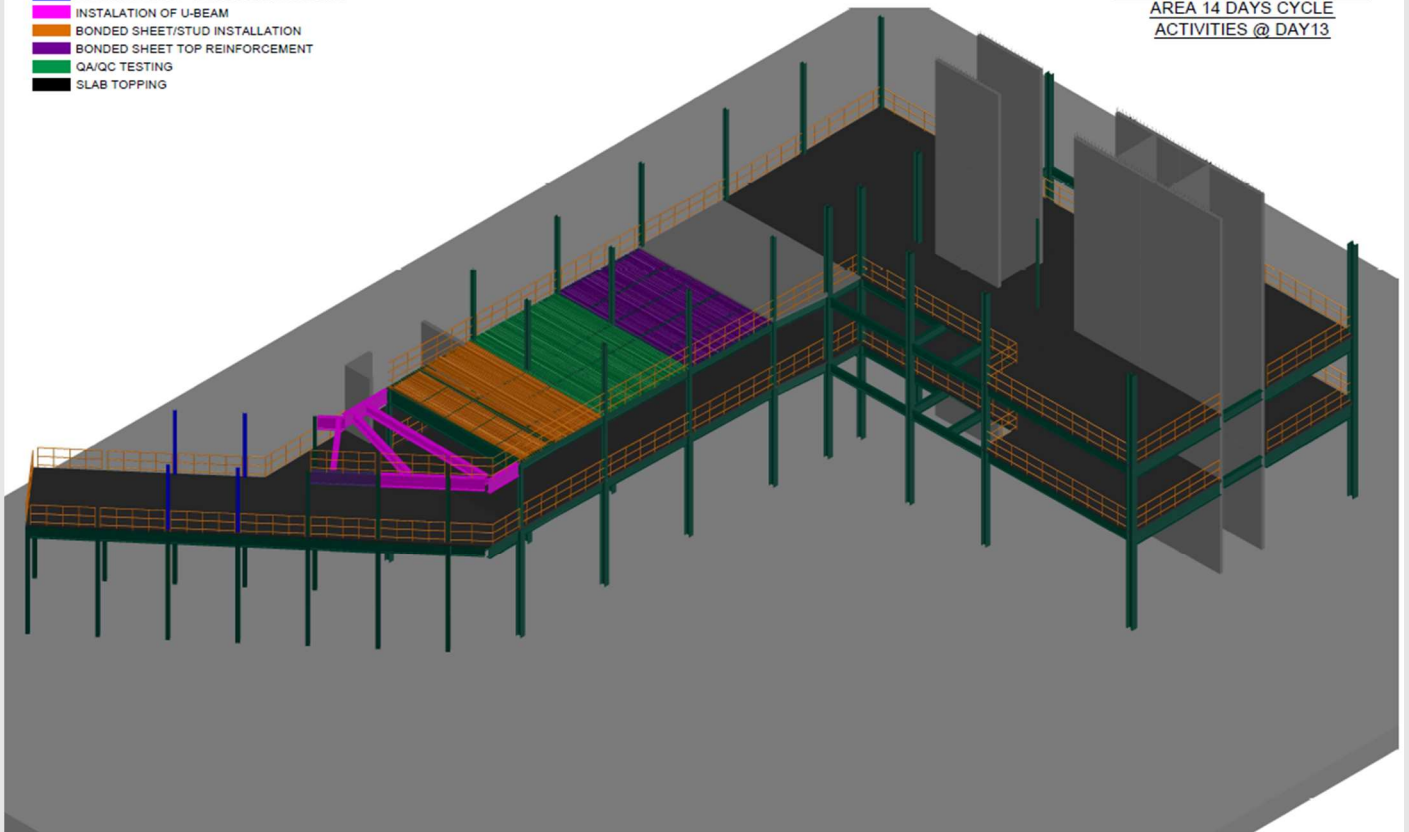


Example 02: 14 - Days Construction Cycle for Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Day – 13)

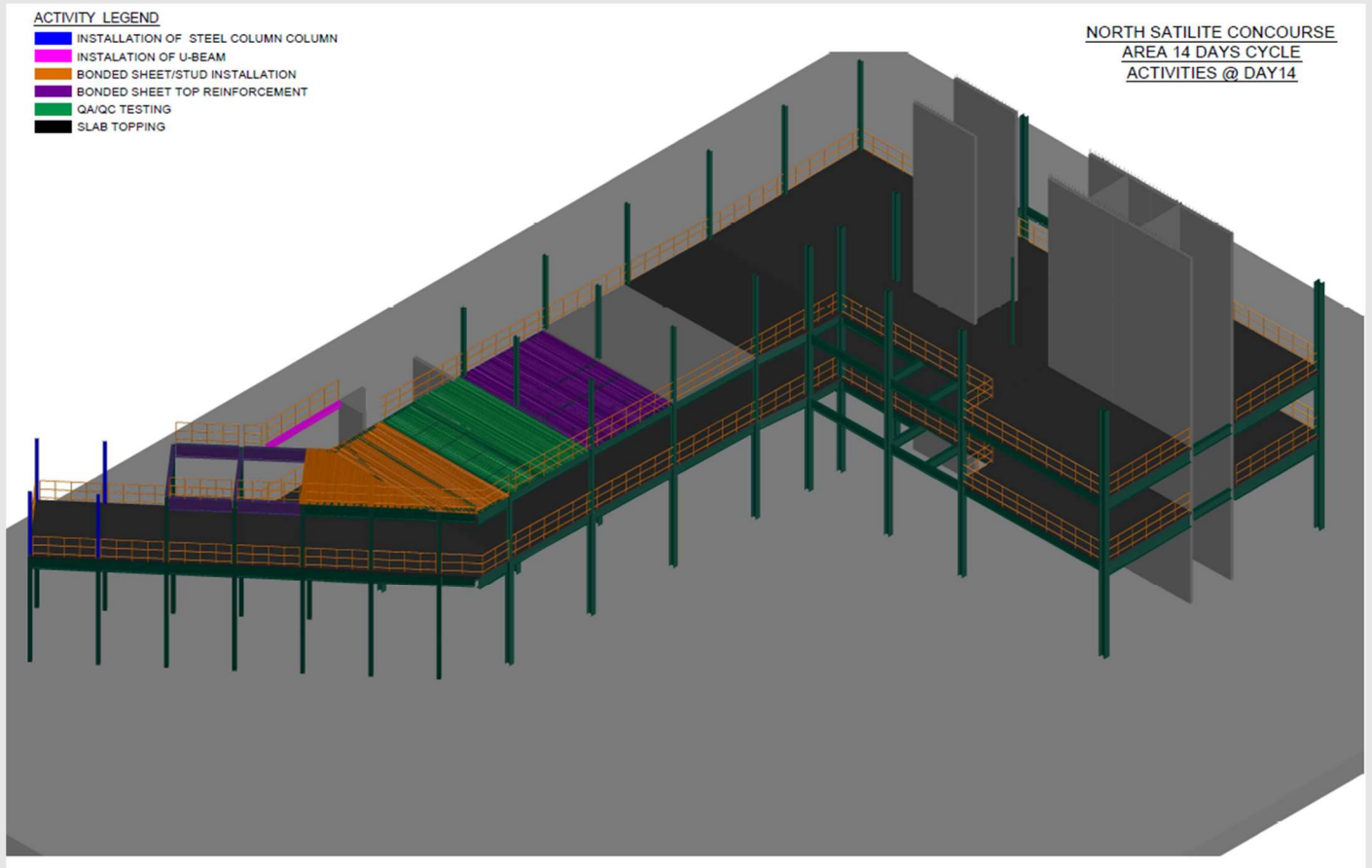
ACTIVITY LEGEND

- INSTALLATION OF STEEL COLUMN COLUMN
- INSTALLATION OF U-BEAM
- BONDED SHEET/STUD INSTALLATION
- BONDED SHEET TOP REINFORCEMENT
- QA/QC TESTING
- SLAB TOPPING

NORTH SATILITE CONCOURSE
AREA 14 DAYS CYCLE
ACTIVITIES @ DAY13



Example 02: 14 - Days Construction Cycle for Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Day – 14)

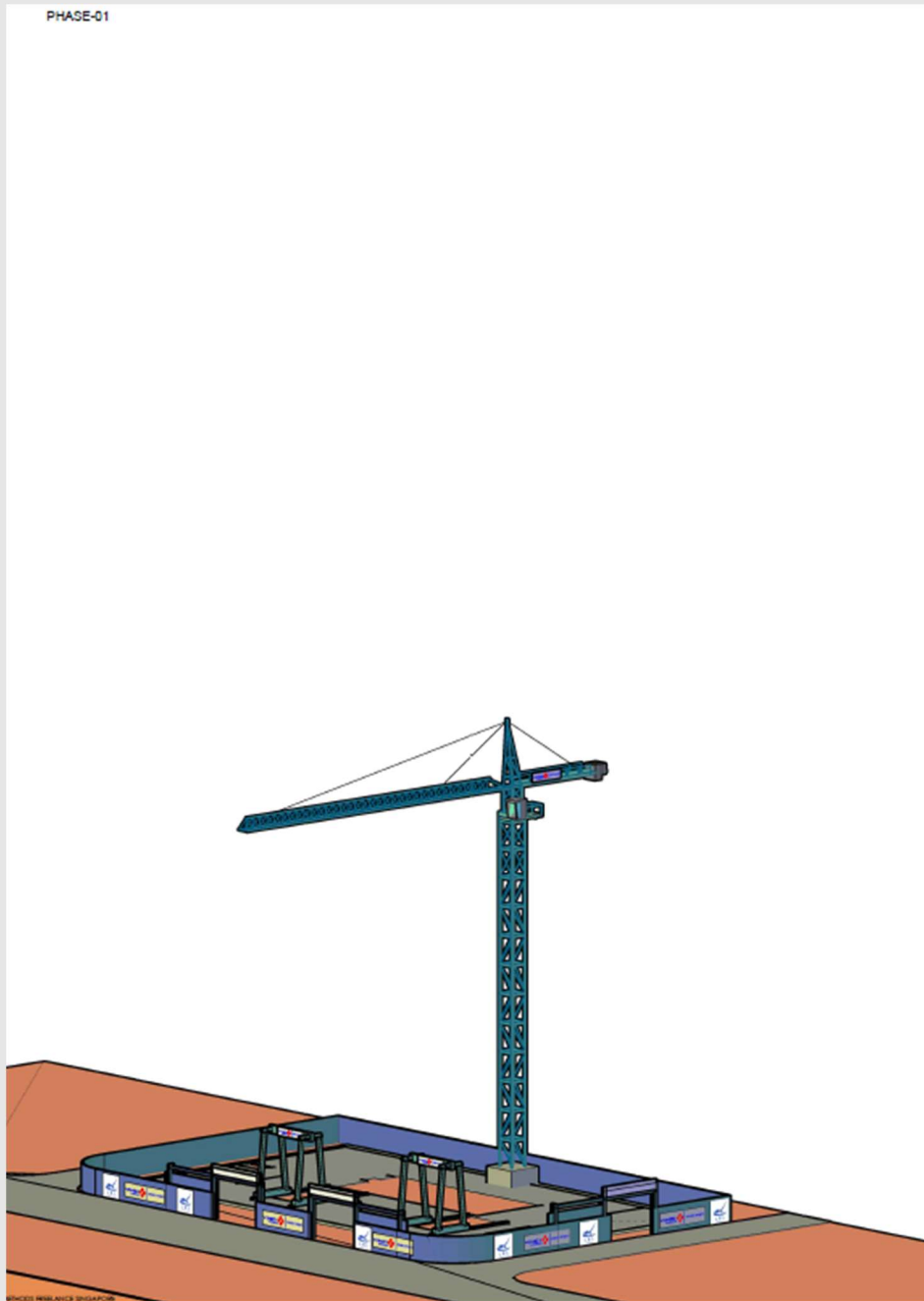


Construction Phasing presents the exact appearance of the site at the various periods of construction, mostly in month wise. It reveals any problems that may come while constructing. Construction Phasing demonstrates all the construction Machineries and construction Equipments required at various phases of work. It will give clear idea about the methodology of construction like Top and Down method, Semi Top and Down Methods and etc.

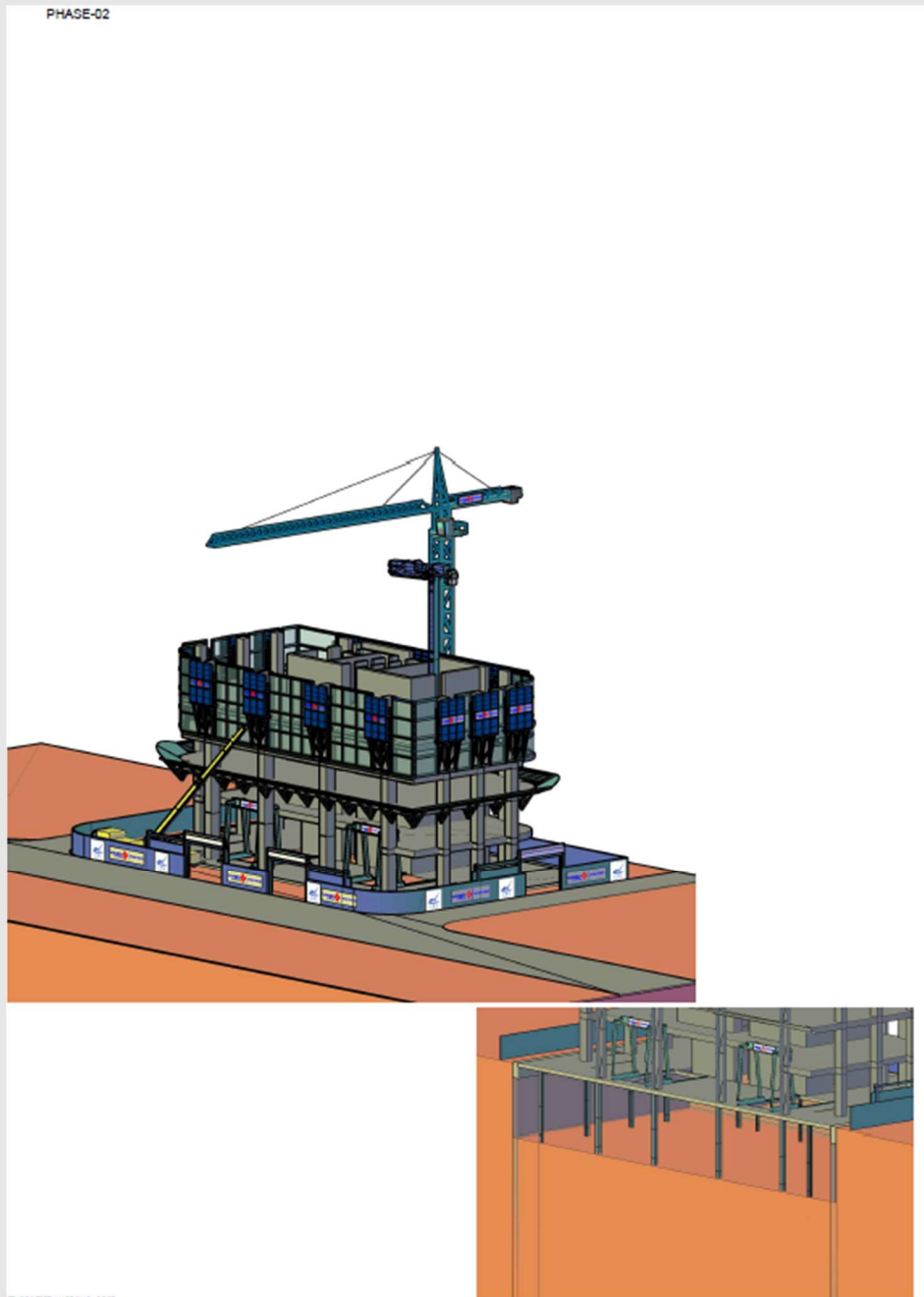
It helps to demonstrate about projects to others like Client, Government officials. etc. We also provide the Construction Phasing Video, if Client needs.

“ Clear Road will lead to Clear Destination”

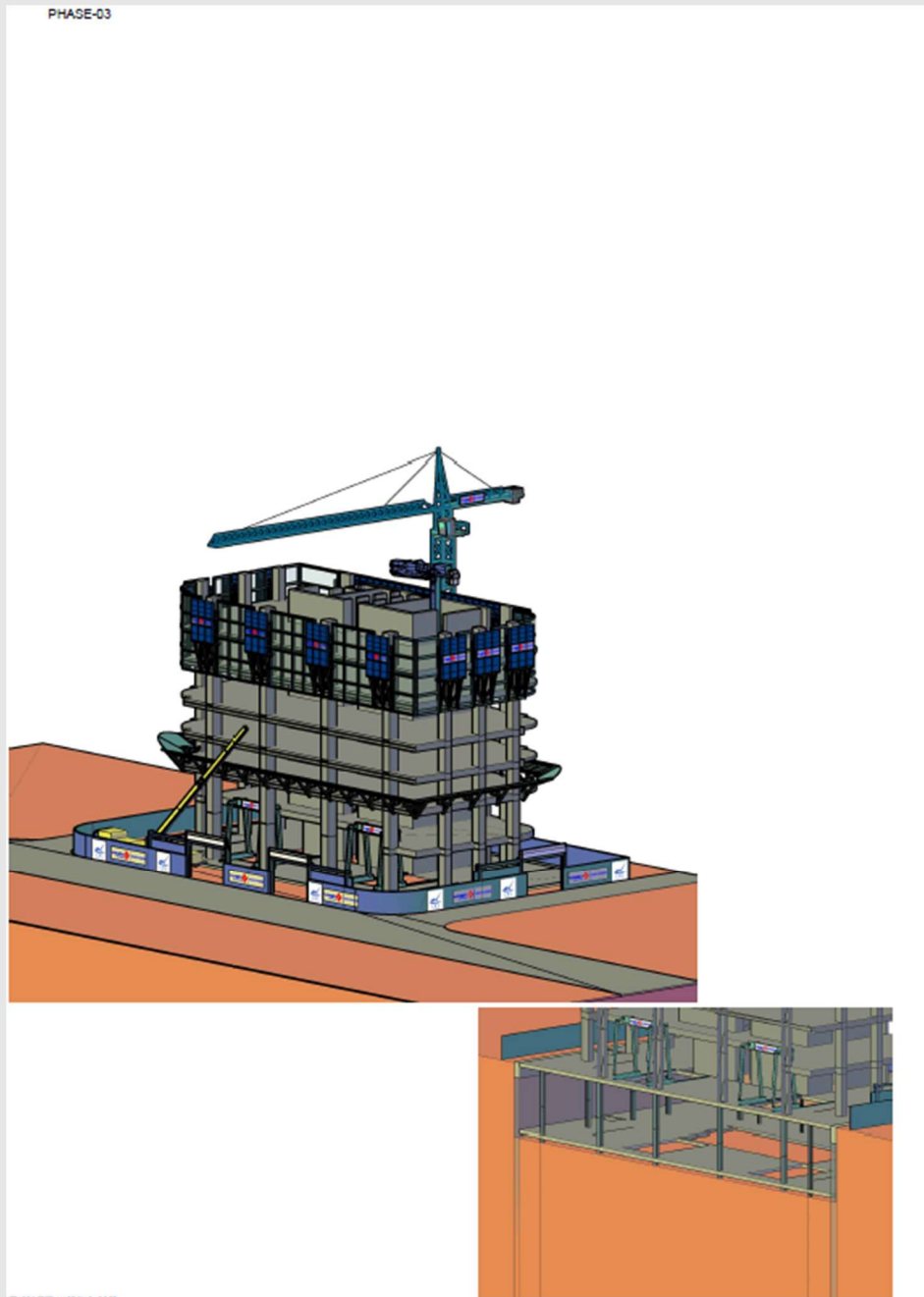
Example 01: Construction Phasing of Sathapana Bank HQ, Phnom Pen, Cambodia – Top and Down Construction.(Stage-01)



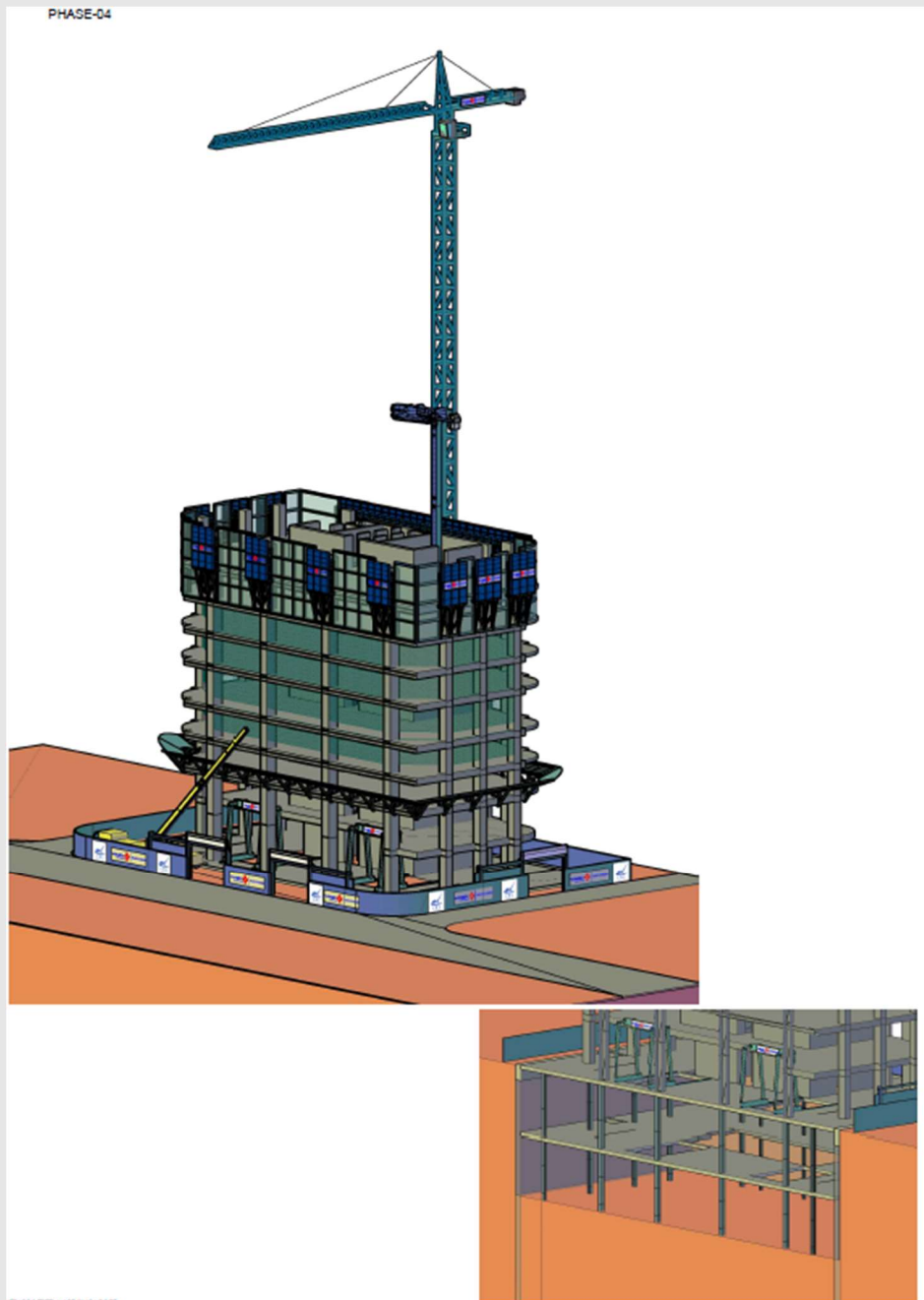
Example 01: Construction Phasing of Sathapana Bank HQ, Phnom Pen, Cambodia – Top and Down Construction.(Stage-02)



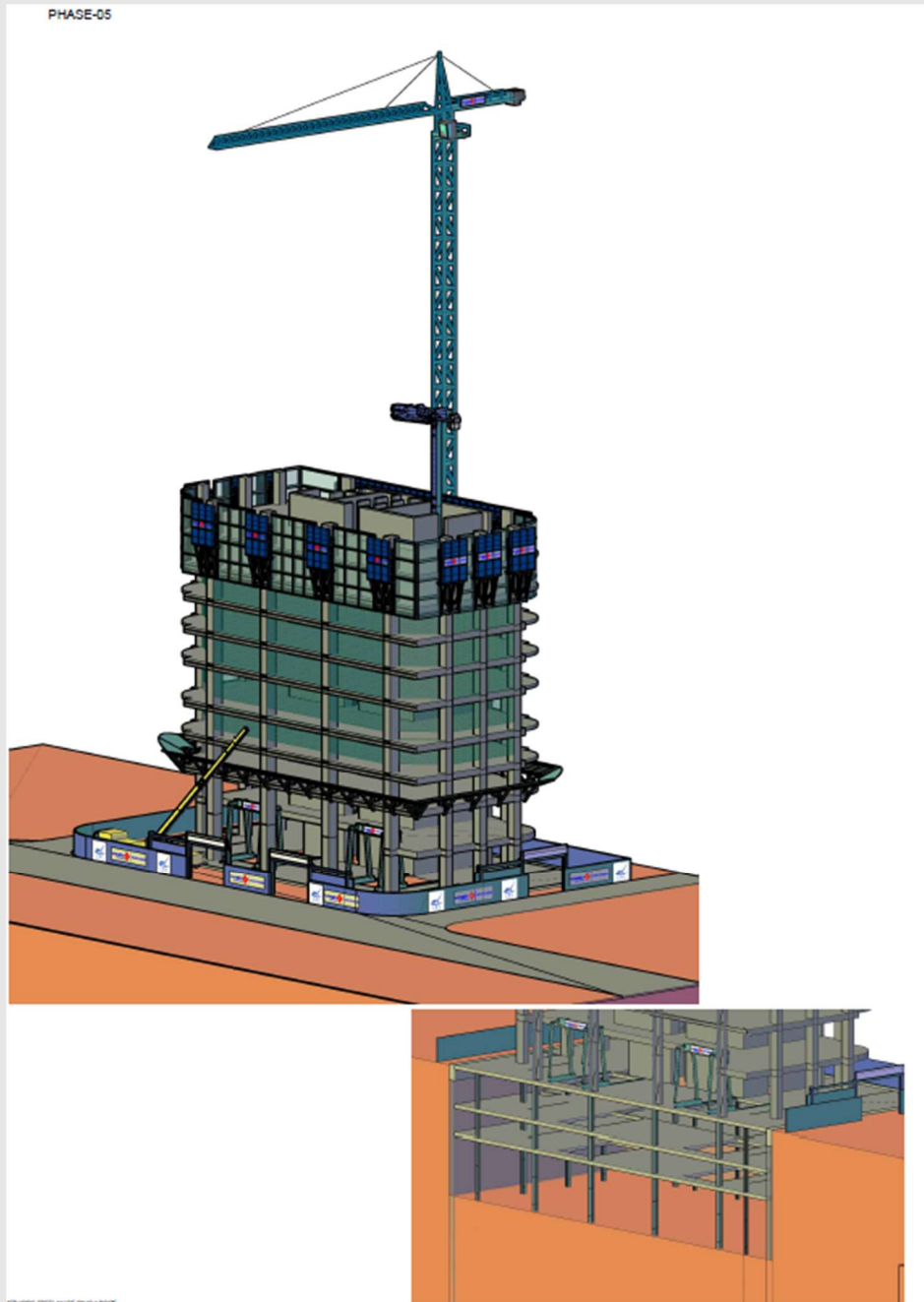
Example 01: Construction Phasing of Sathapana Bank HQ, Phnom Pen, Cambodia – Top and Down Construction.(Stage-03)



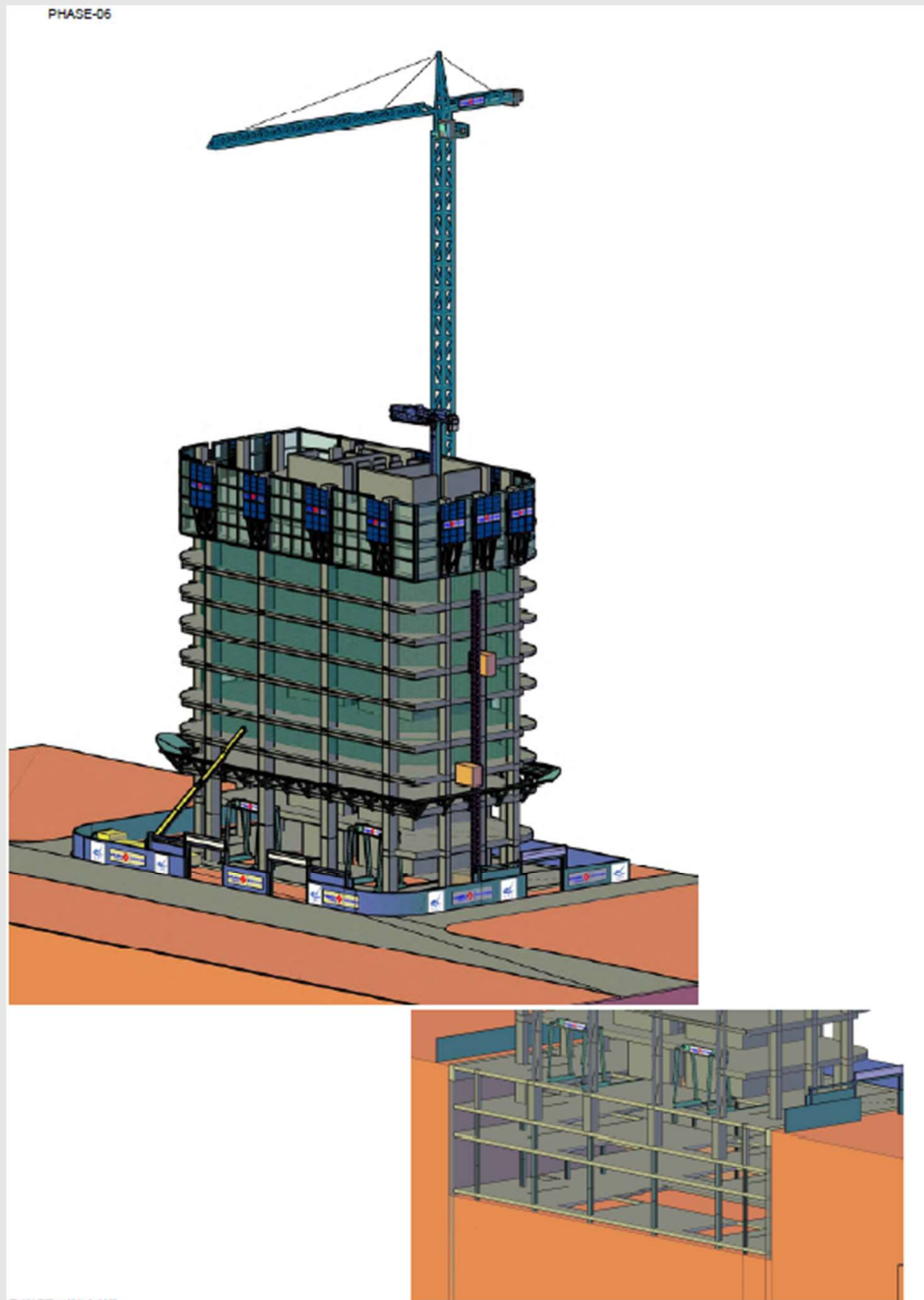
Example 01: Construction Phasing of Sathapana Bank HQ, Phnom Pen, Cambodia – Top and Down Construction.(Stage-04)



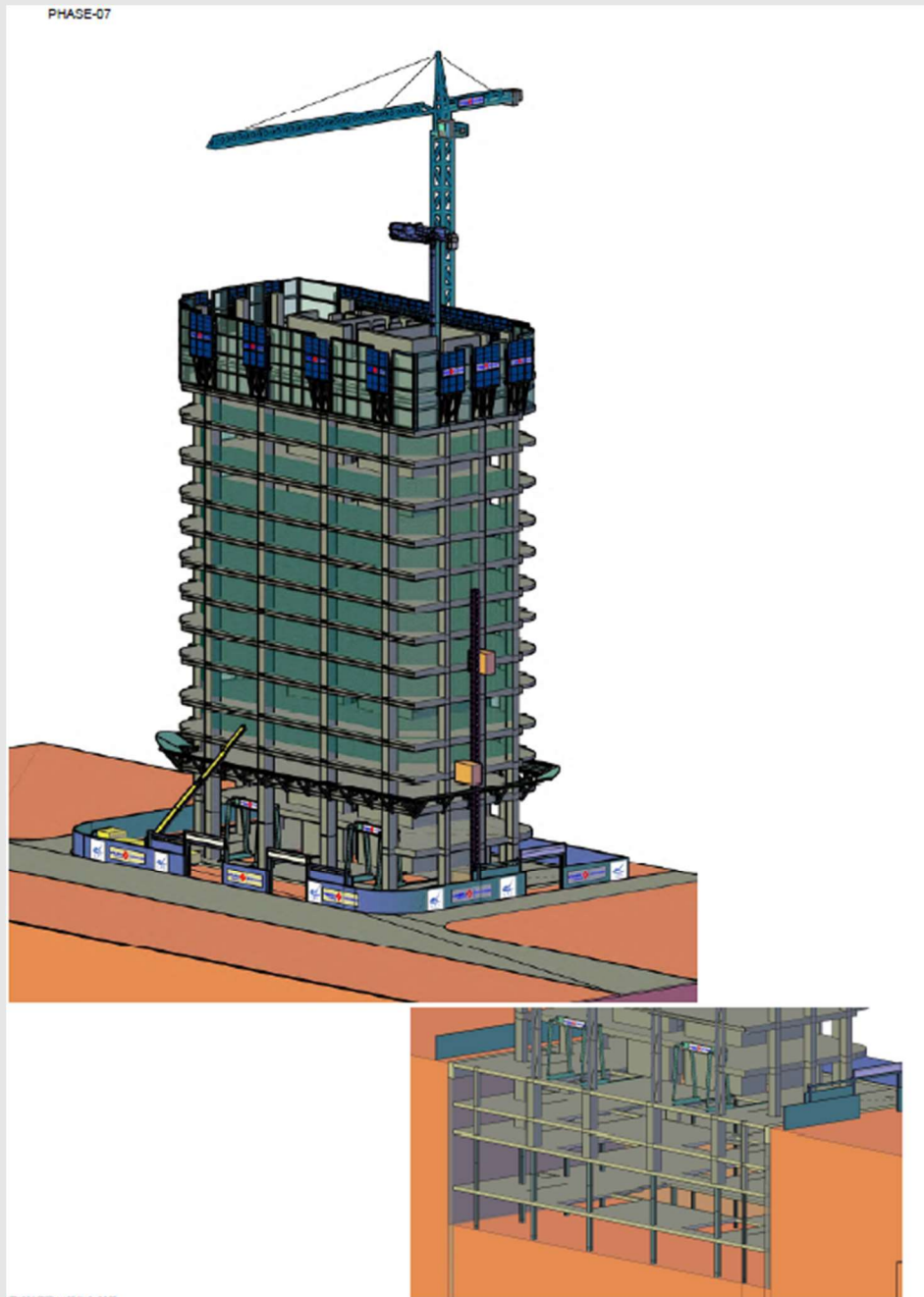
Example 01: Construction Phasing of Sathapana Bank HQ, Phnom Pen, Cambodia – Top and Down Construction.(Stage-05)



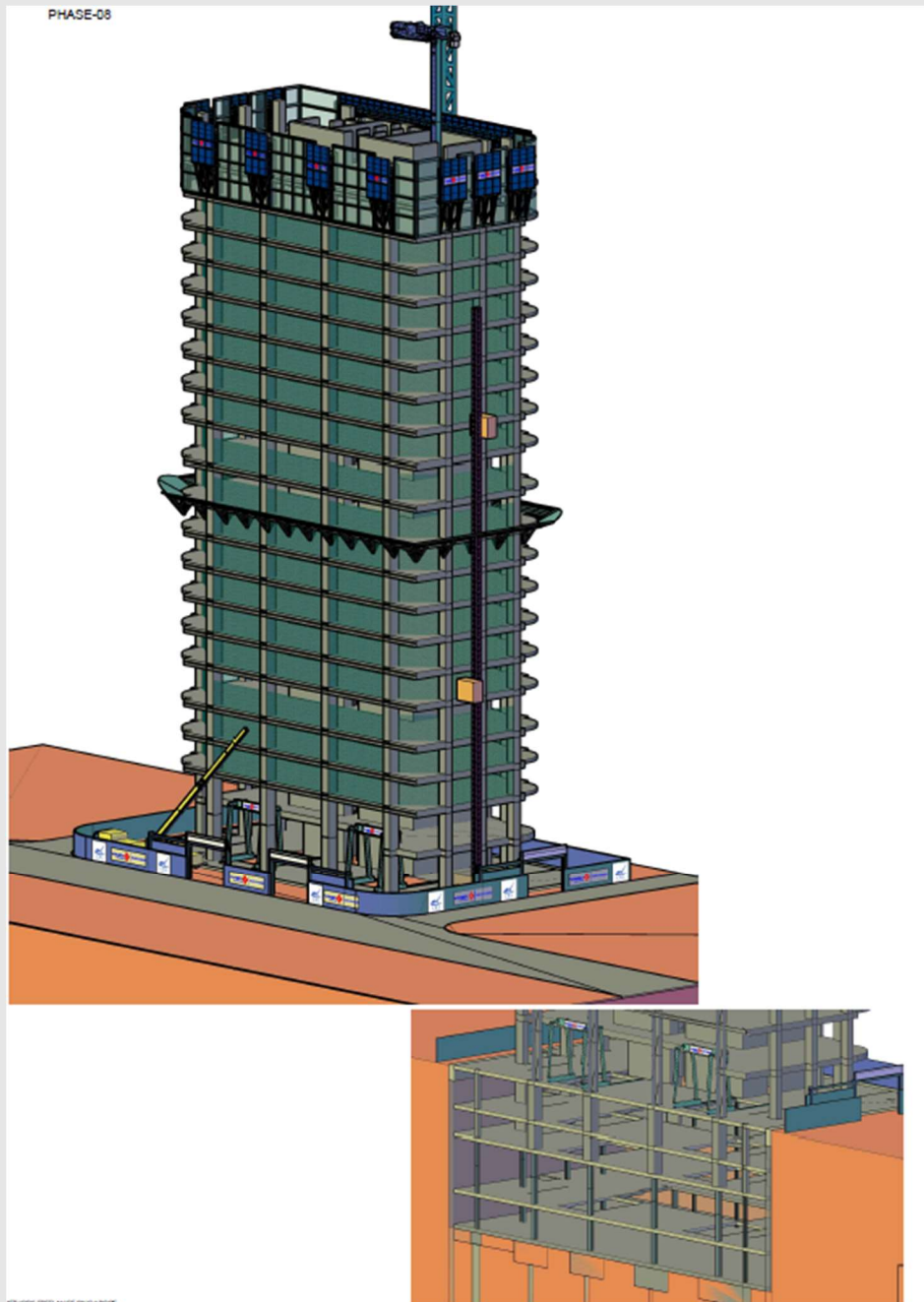
Example 01: Construction Phasing of Sathapana Bank HQ, Phnom Pen, Cambodia – Top and Down Construction.(Stage-06)



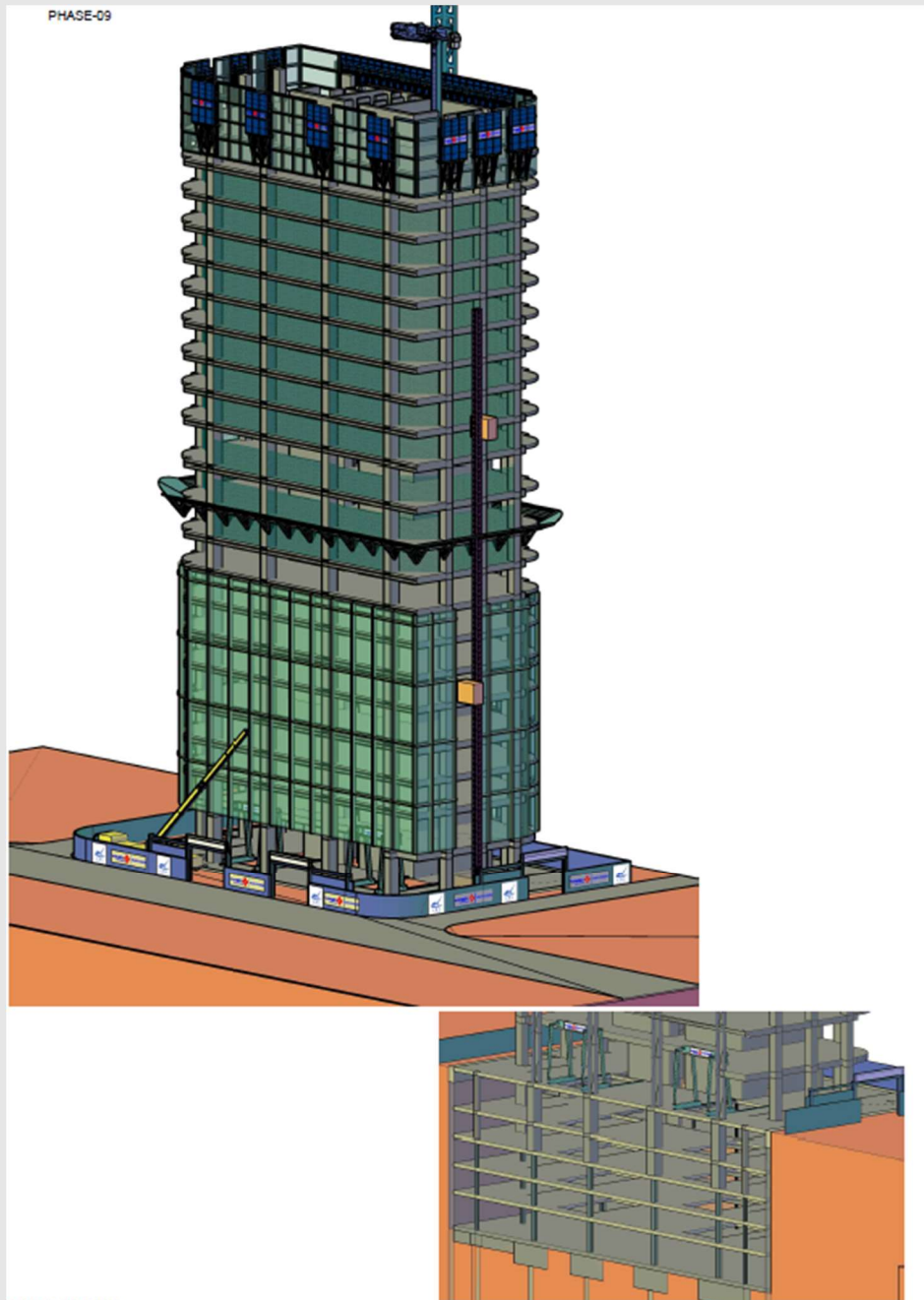
Example 01: Construction Phasing of Sathapana Bank HQ, Phnom Pen, Cambodia – Top and Down Construction.(Stage-07)



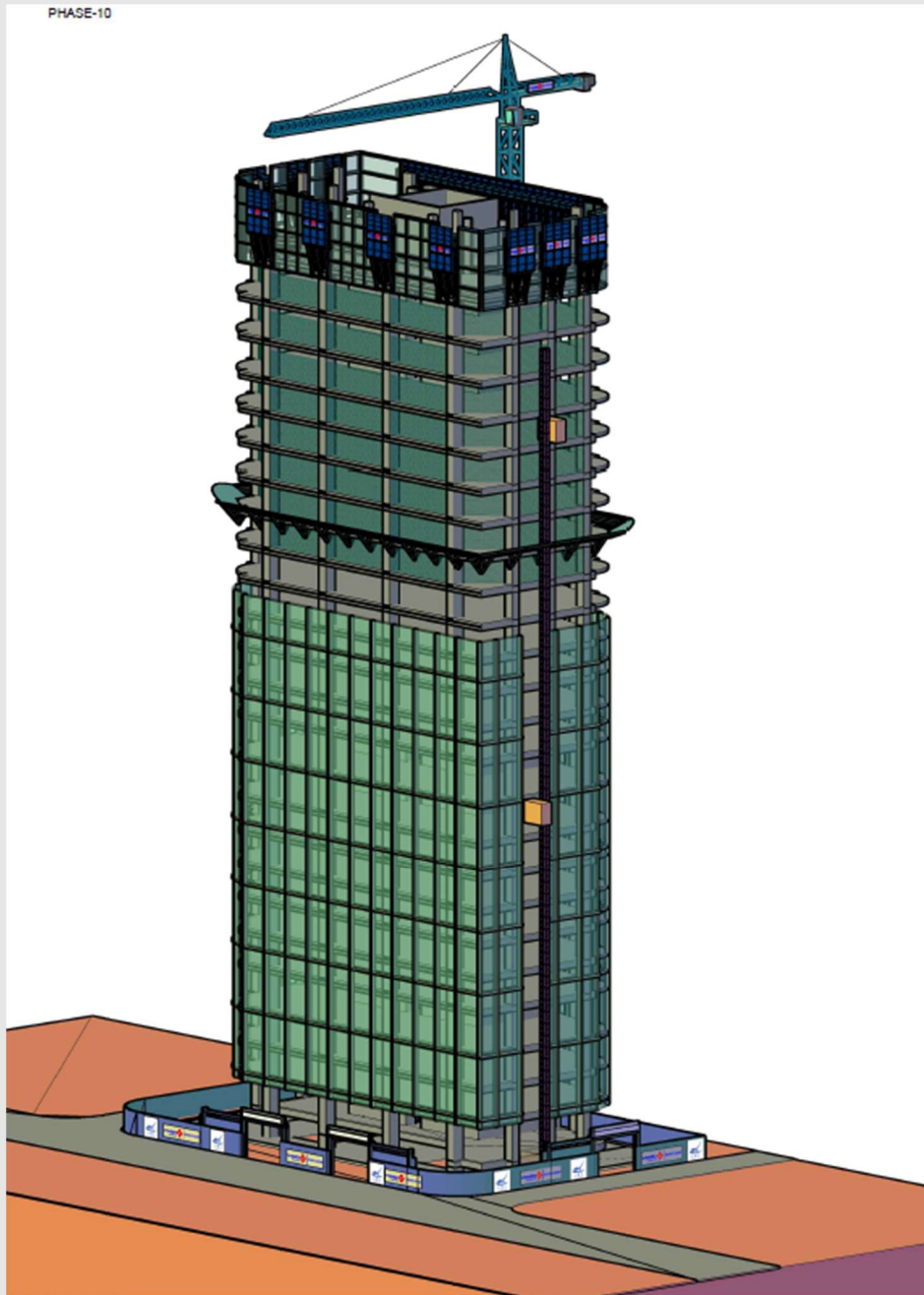
Example 01: Construction Phasing of Sathapana Bank HQ, Phnom Pen, Cambodia – Top and Down Construction.(Stage-08)



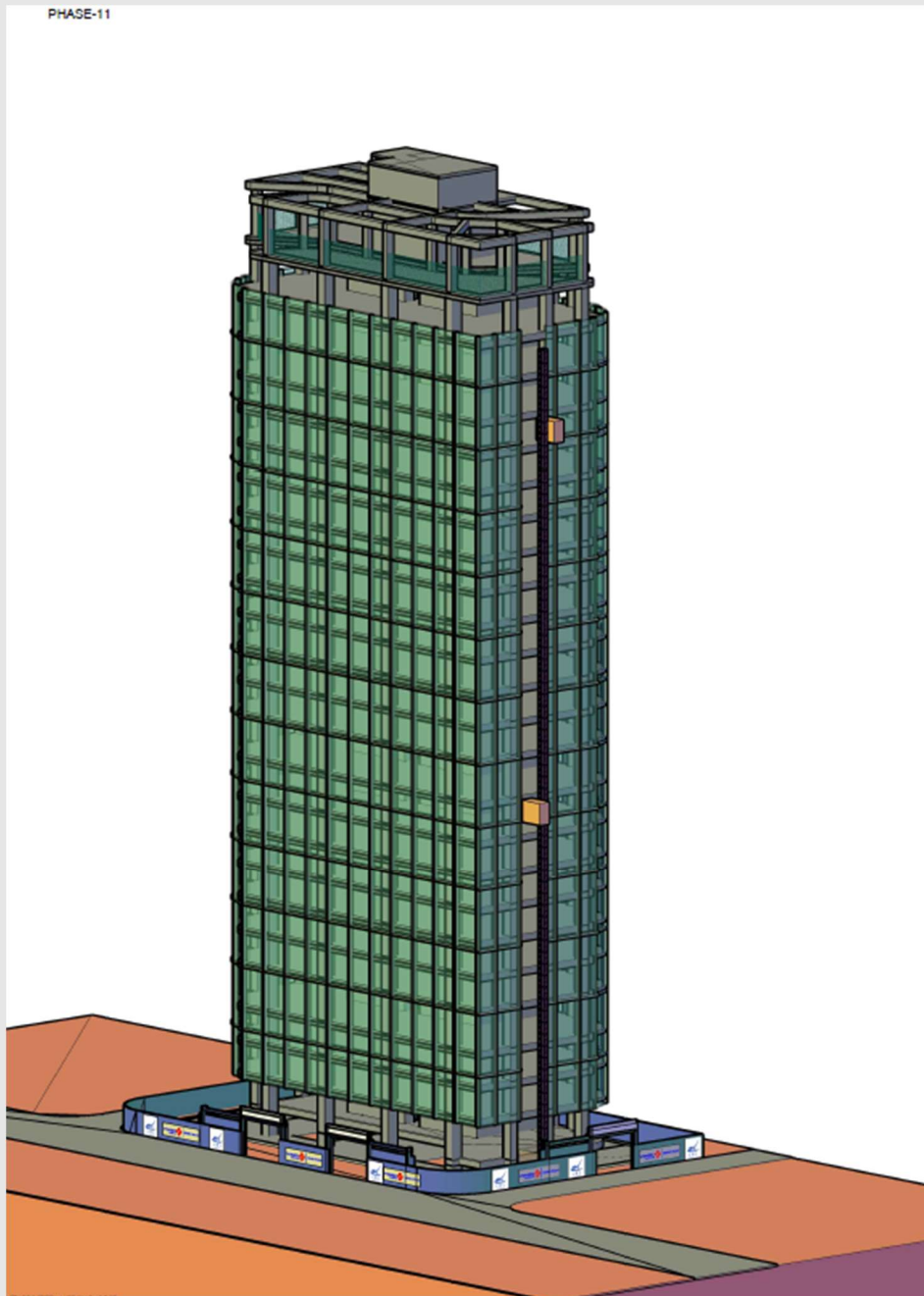
Example 01: Construction Phasing of Sathapana Bank HQ, Phnom Pen, Cambodia – Top and Down Construction.(Stage-09)



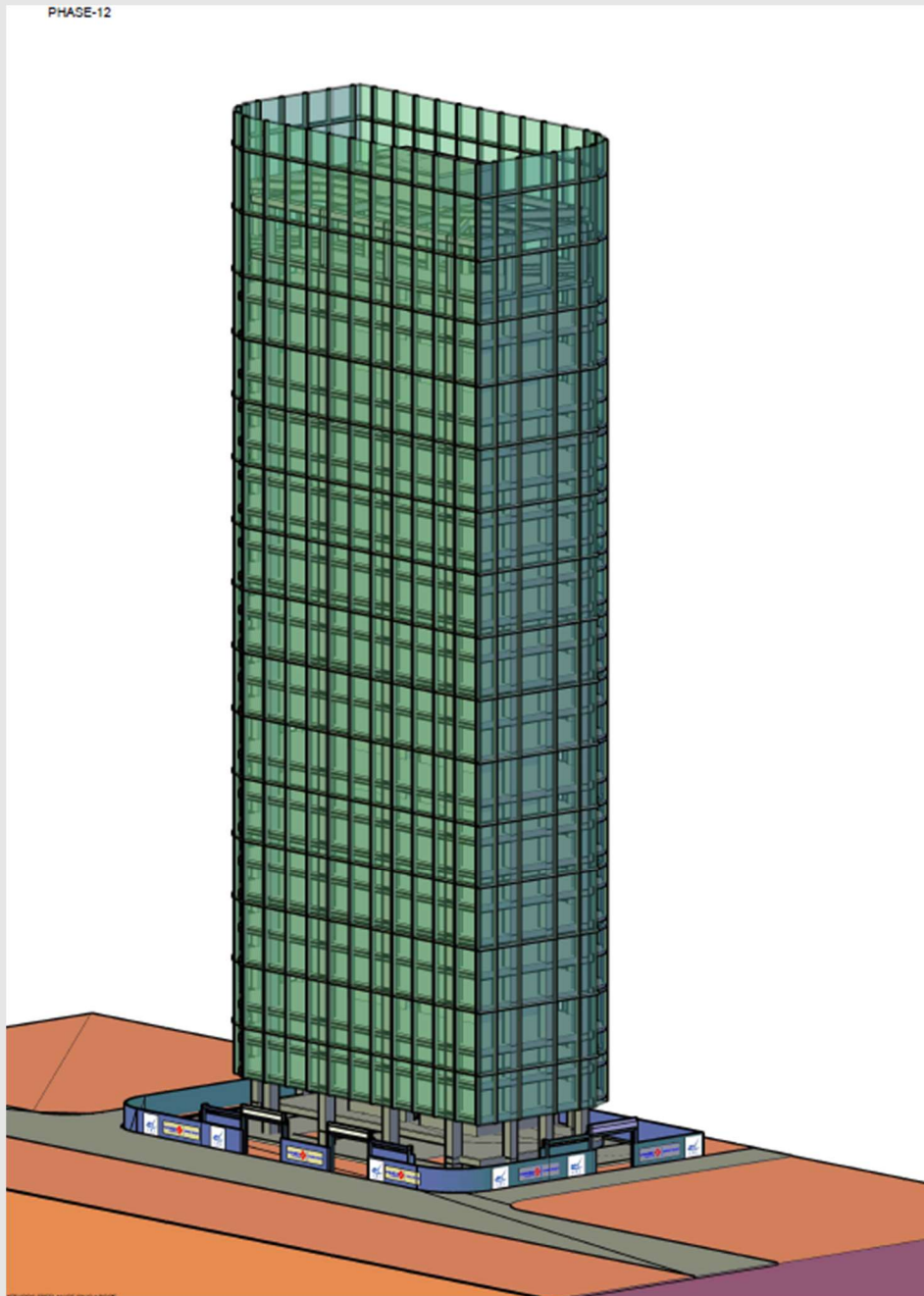
Example 01: Construction Phasing of Sathapana Bank HQ, Phnom Pen, Cambodia – Top and Down Construction.(Stage-10)



Example 01: Construction Phasing of Sathapana Bank HQ, Phnom Pen, Cambodia – Top and Down Construction.(Stage-11)



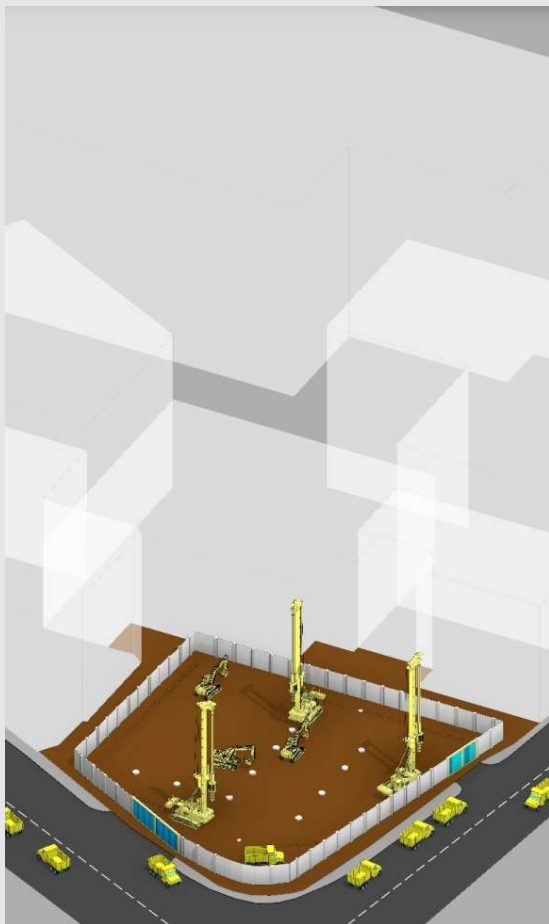
Example 01: Construction Phasing of Sathapana Bank HQ, Phnom Pen, Cambodia – Top and Down Construction.(Stage-12)



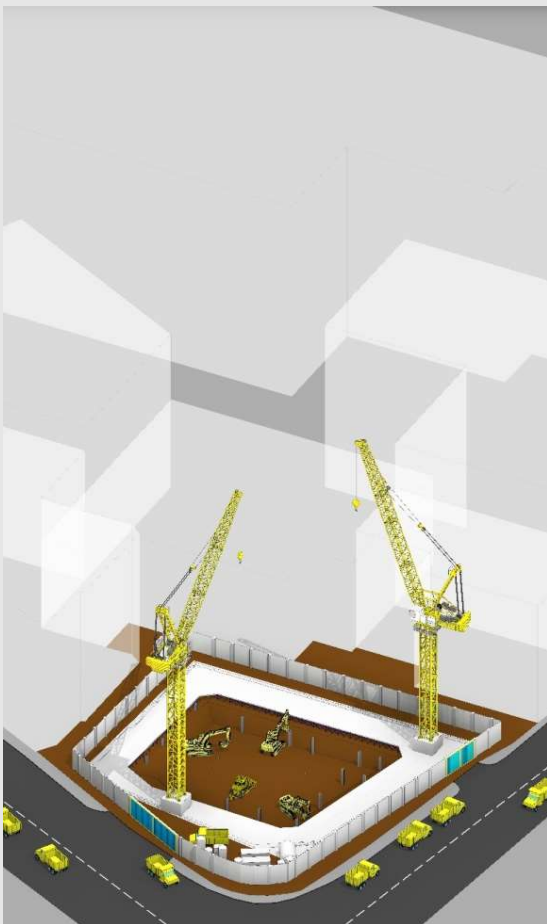
Example 01: Construction Phasing of Sathapana Bank HQ, Phnom Pen, Cambodia – Top and Down Construction.(Stage-13)



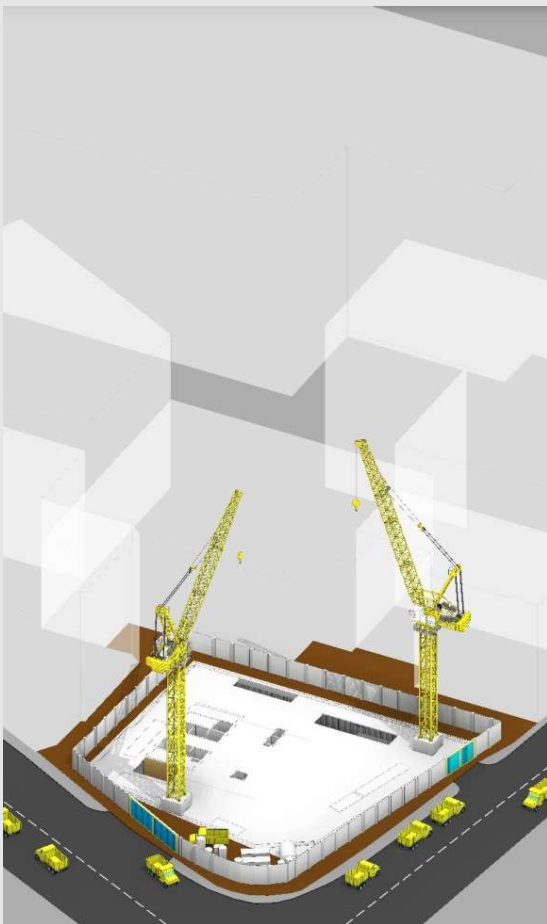
Example 02: Construction Phasing of
Man Hap Seng Project, Kota Kinabalu,
Malaysia – Top and Down
Construction.(Stage-01)



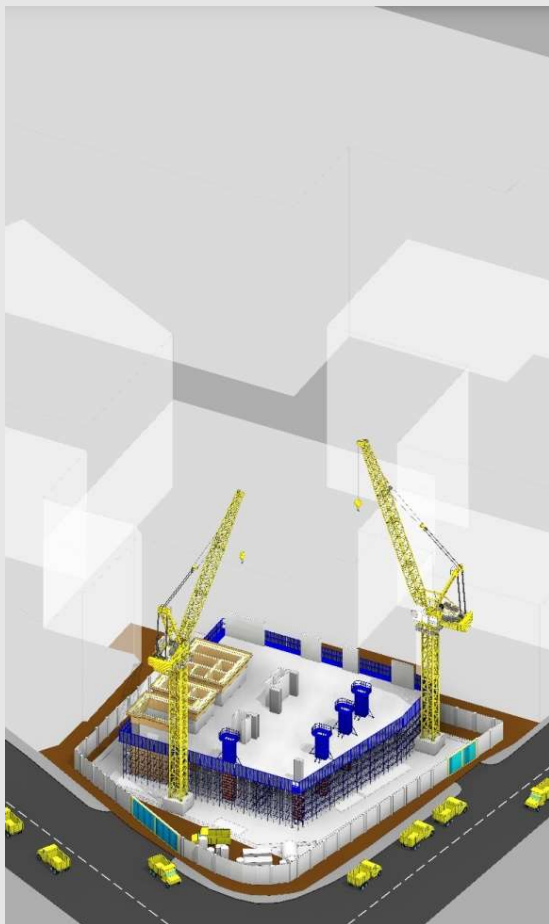
Example 02: Construction Phasing of
Man Hap Seng Project, Kota Kinabalu,
Malaysia – Top and Down
Construction.(Stage-02)



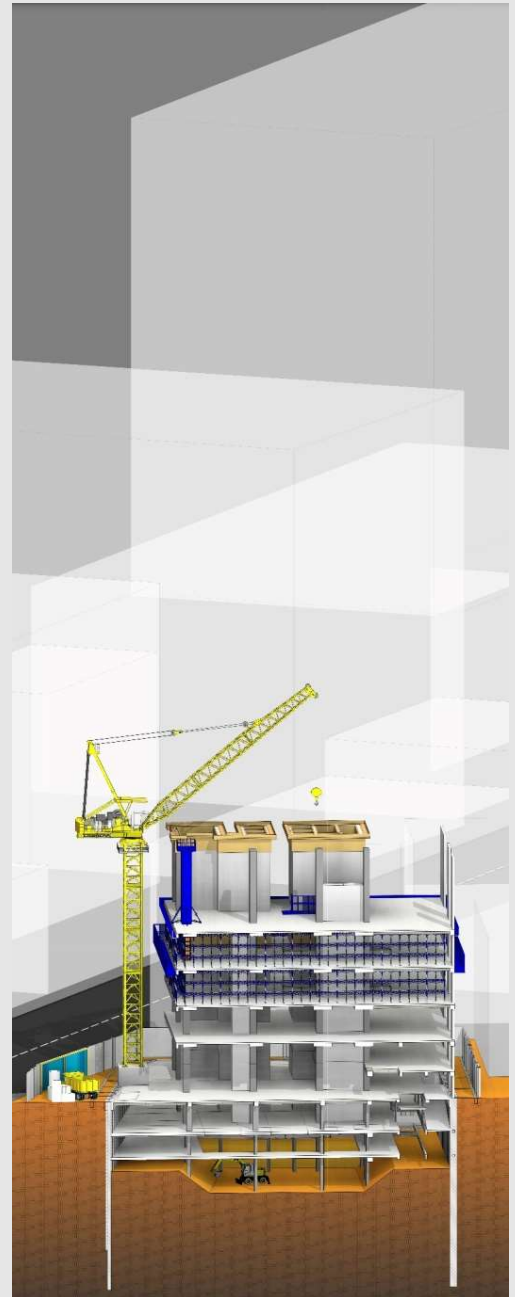
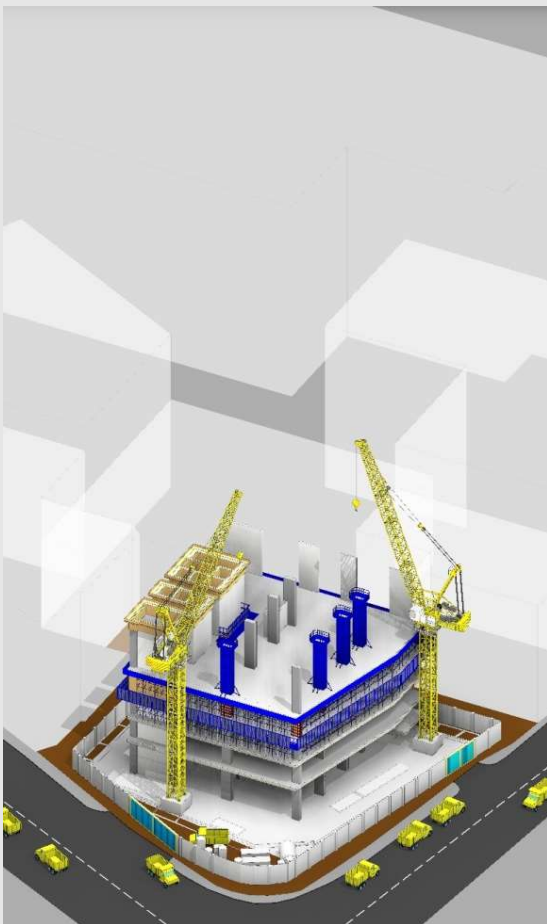
Example 02: Construction Phasing of Man Hap Seng Project, Kota Kinabalu, Malaysia – Top and Down Construction.(Stage-03)



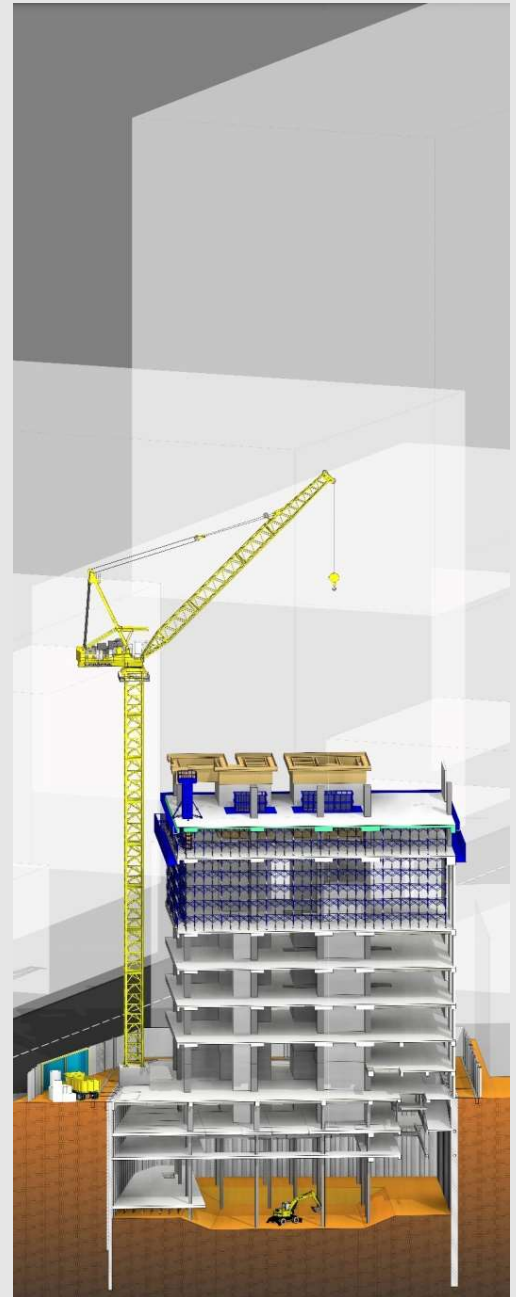
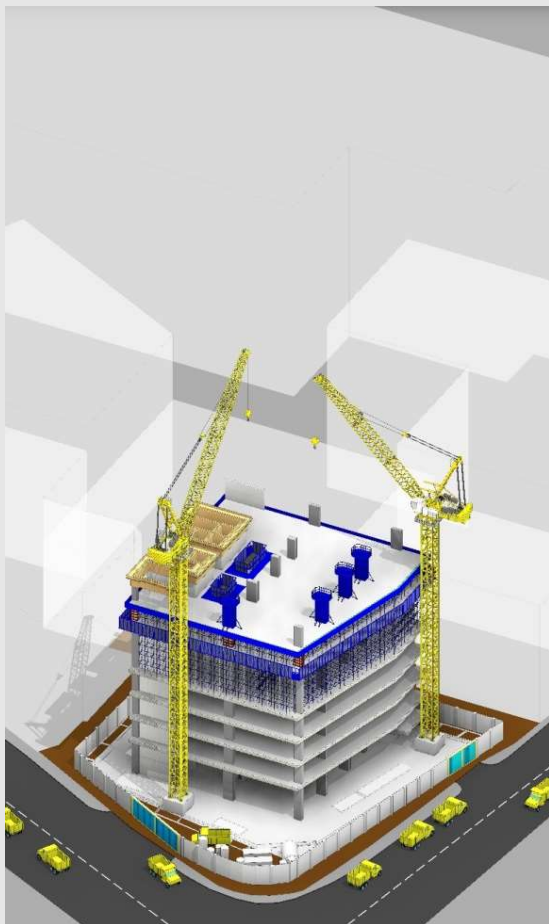
Example 02: Construction Phasing of
Man Hap Seng Project, Kota Kinabalu,
Malaysia – Top and Down
Construction.(Stage-04)



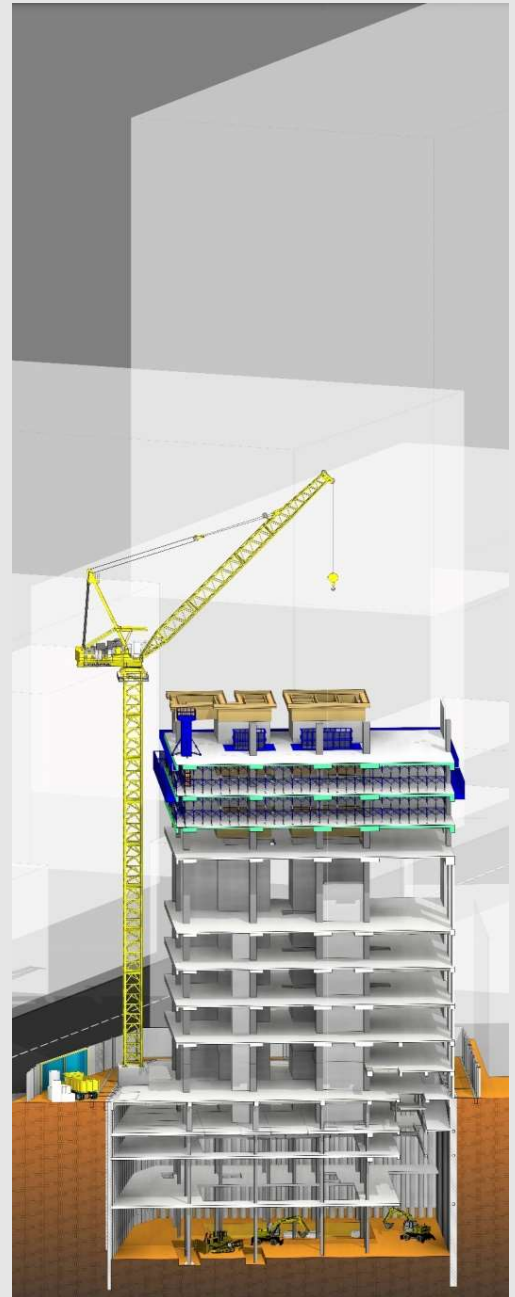
Example 02: Construction Phasing of
Man Hap Seng Project, Kota Kinabalu,
Malaysia – Top and Down
Construction.(Stage-05)



Example 02: Construction Phasing of Man Hap Seng Project, Kota Kinabalu, Malaysia – Top and Down Construction.(Stage-06)



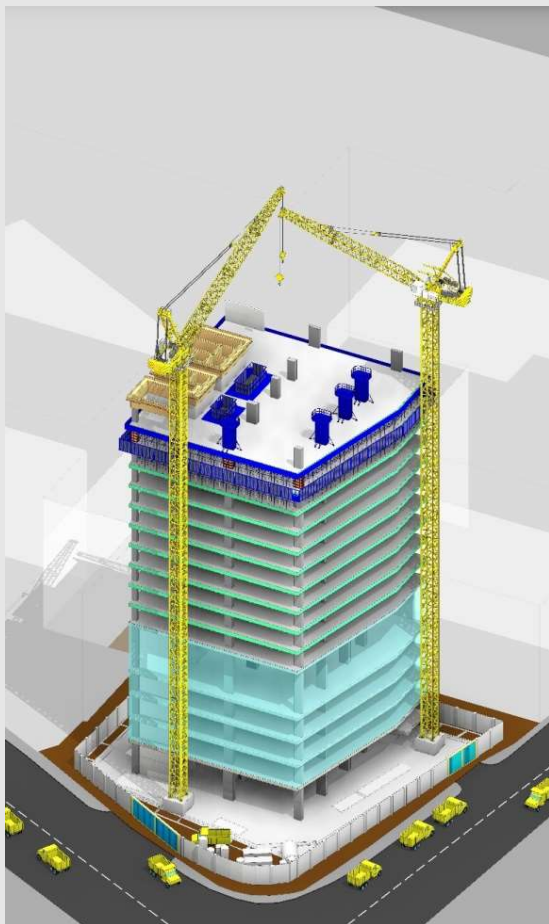
Example 02: Construction Phasing of Man Hap Seng Project, Kota Kinabalu, Malaysia – Top and Down Construction.(Stage-07)



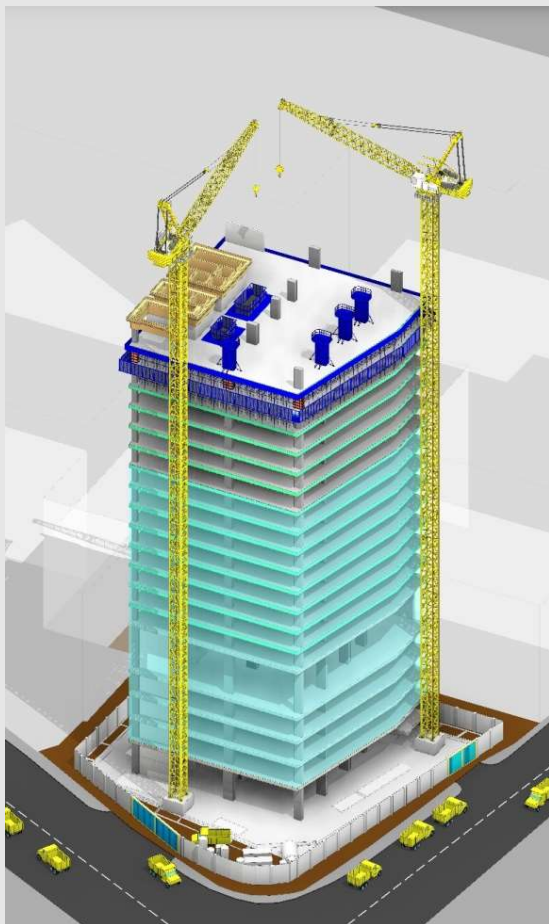
Example 02: Construction Phasing of Man Hap Seng Project, Kota Kinabalu, Malaysia – Top and Down Construction.(Stage-8)



Example 02: Construction Phasing of Man Hap Seng Project, Kota Kinabalu, Malaysia – Top and Down Construction.(Stage-9)



Example 02: Construction Phasing of Man Hap Seng Project, Kota Kinabalu, Malaysia – Top and Down Construction.(Stage-10)



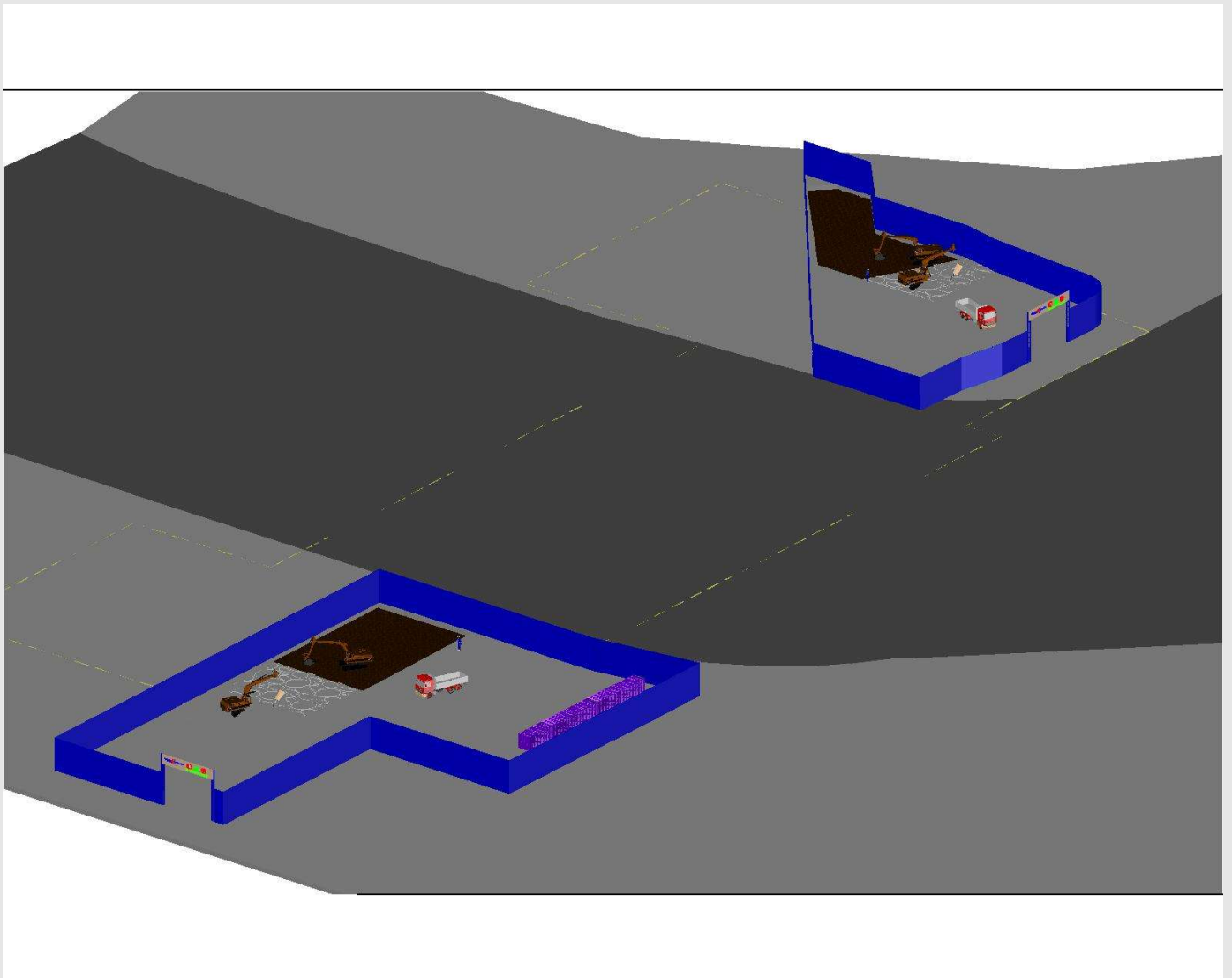
Example 02: Construction Phasing of
Man Hap Seng Project, Kota Kinabalu,
Malaysia – Top and Down
Construction.(Stage-11)



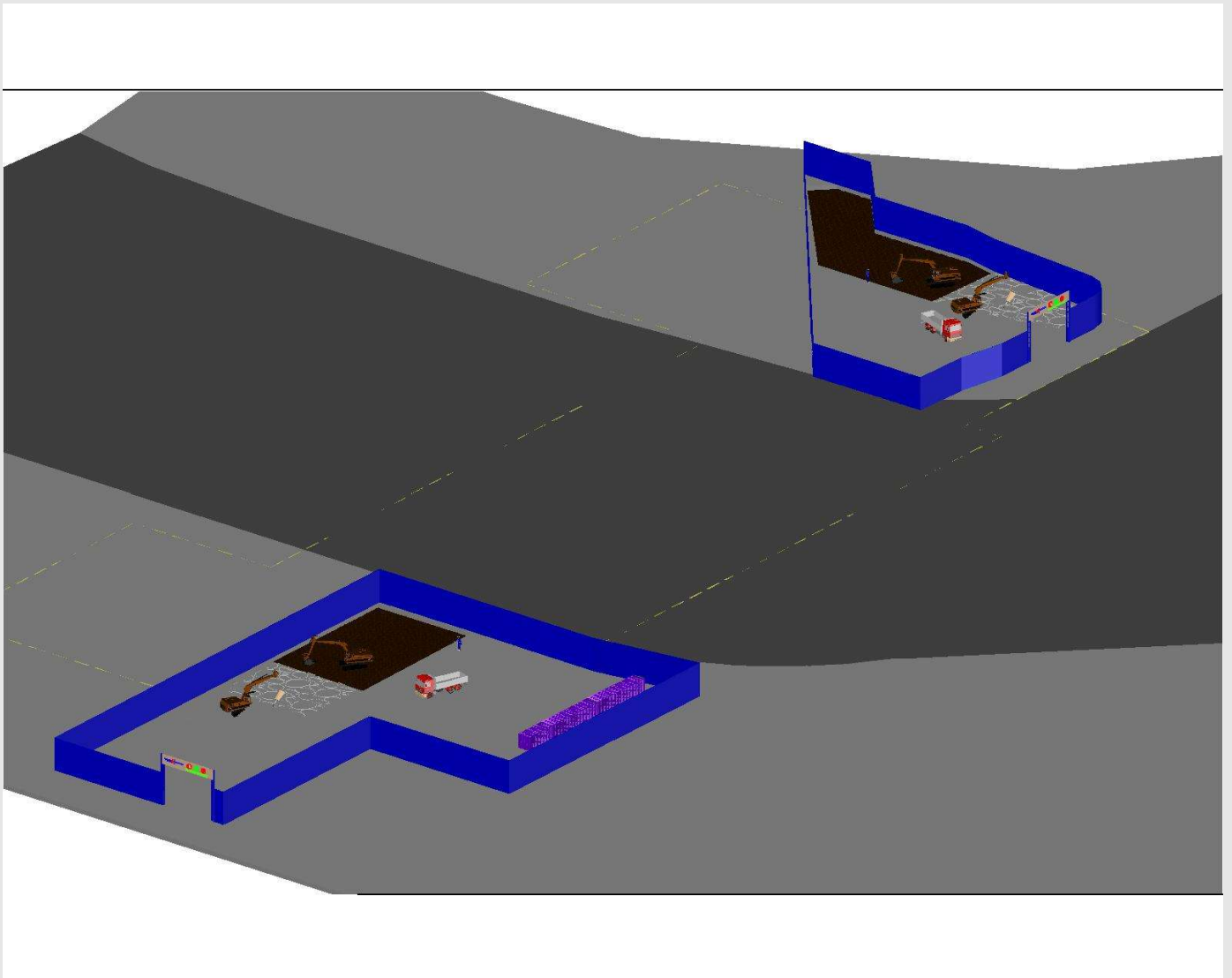
Example 02: Construction Phasing of
Man Hap Seng Project, Kota Kinabalu,
Malaysia – Top and Down
Construction.(Stage-12)



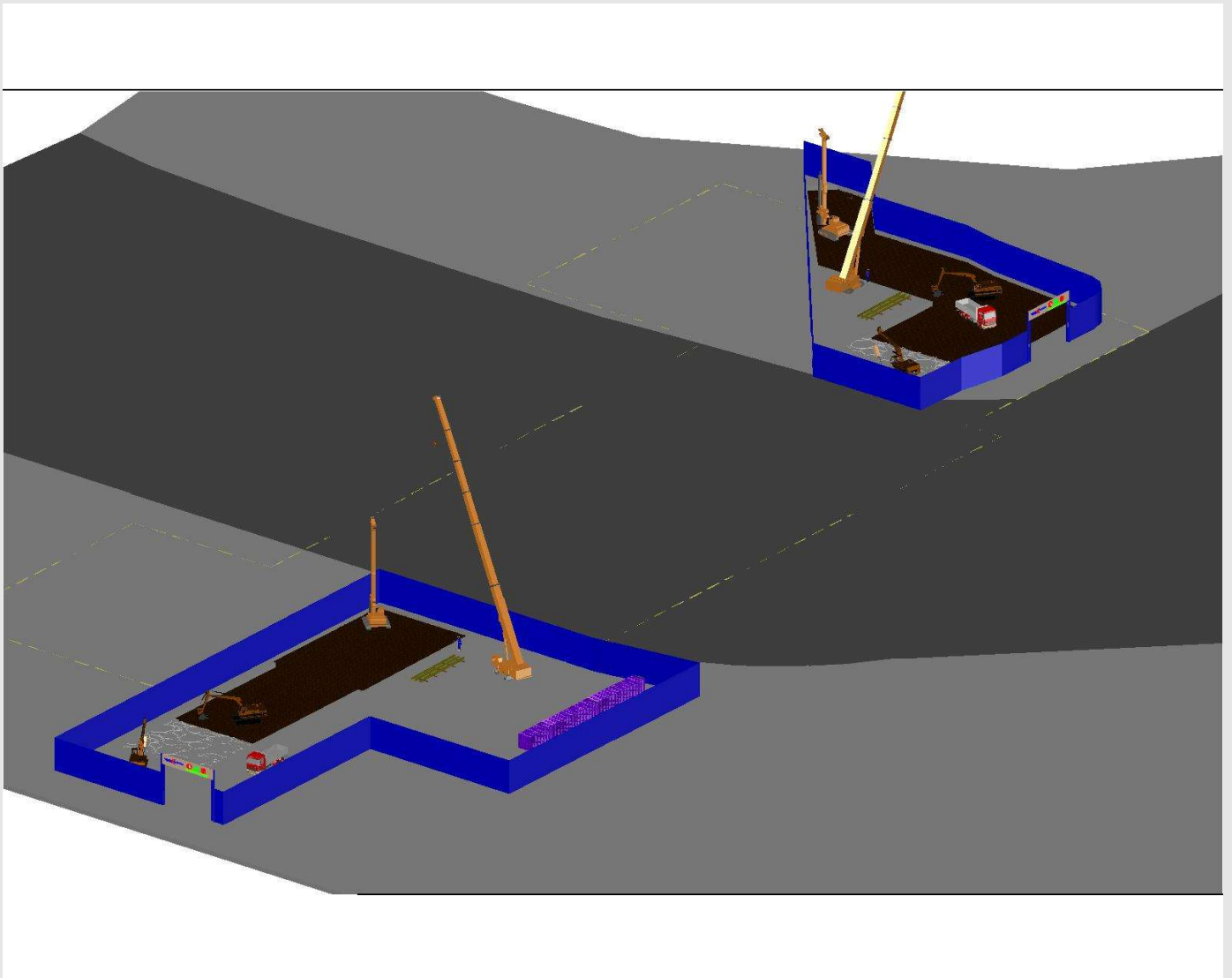
Example 03: Construction Phasing of Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Stage-01)



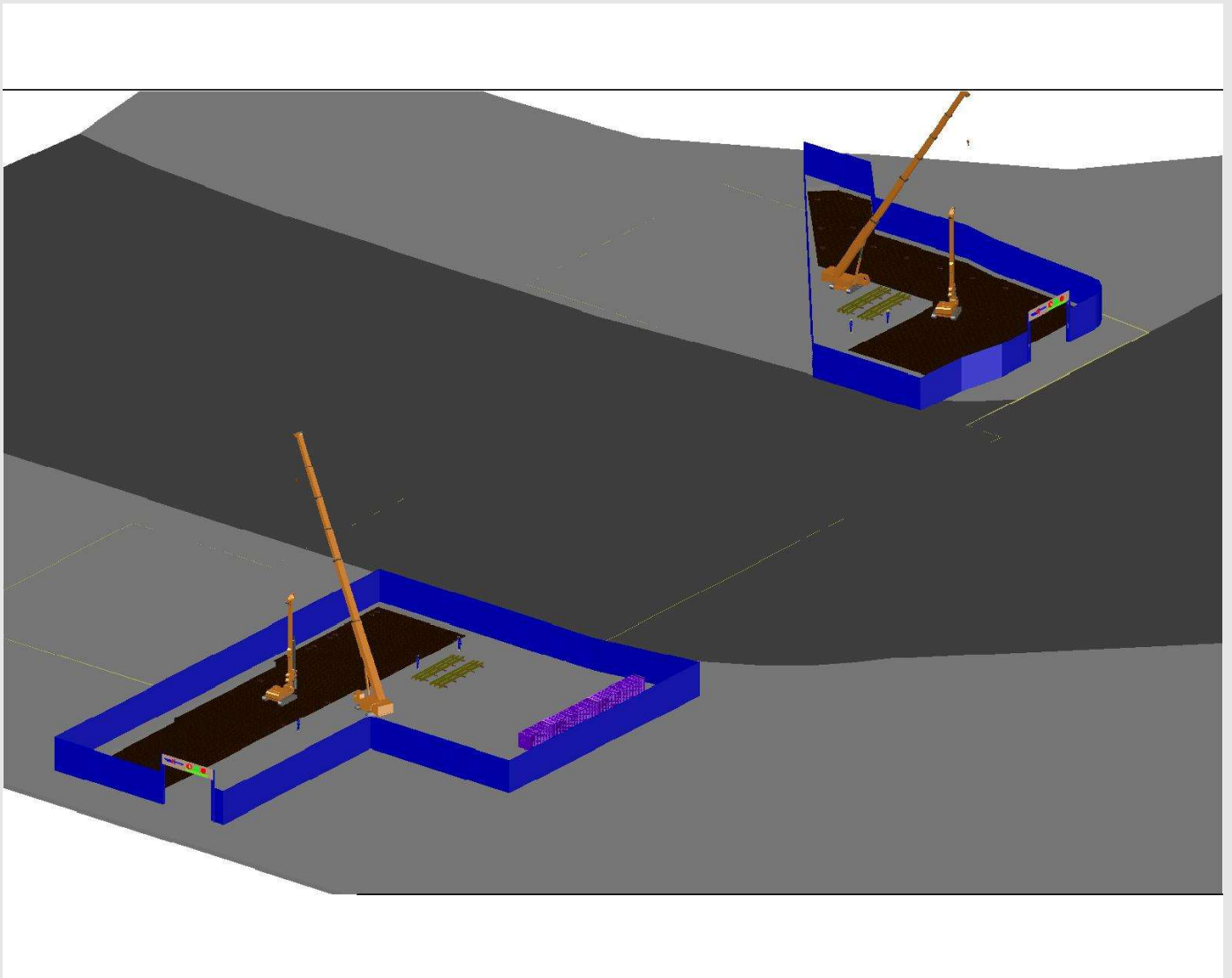
Example 03: Construction Phasing of Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Stage-02)



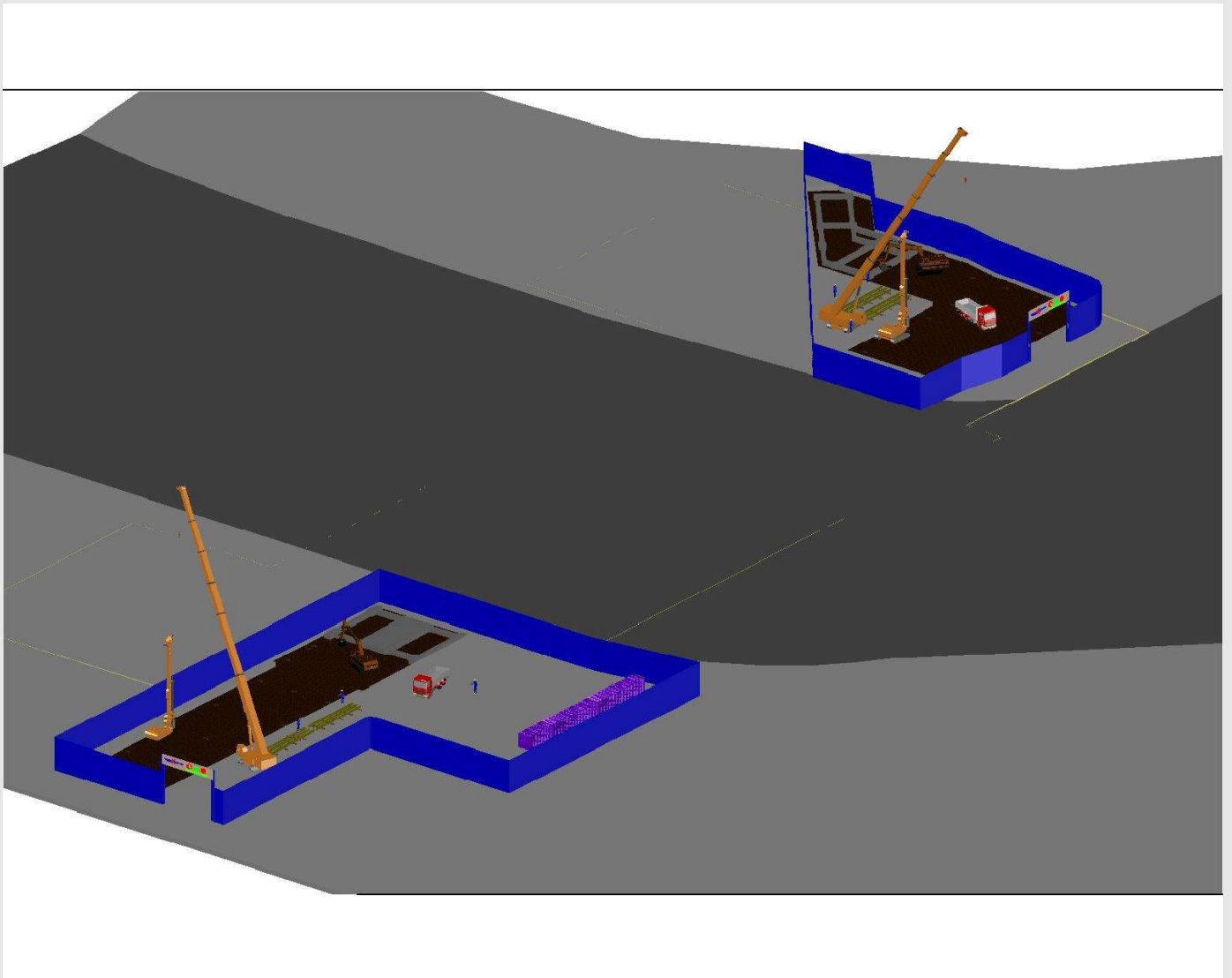
Example 03: Construction Phasing of
Towers and Sky Bridge Project, Hong
Kong Airport, Hong Kong. (Stage-03)



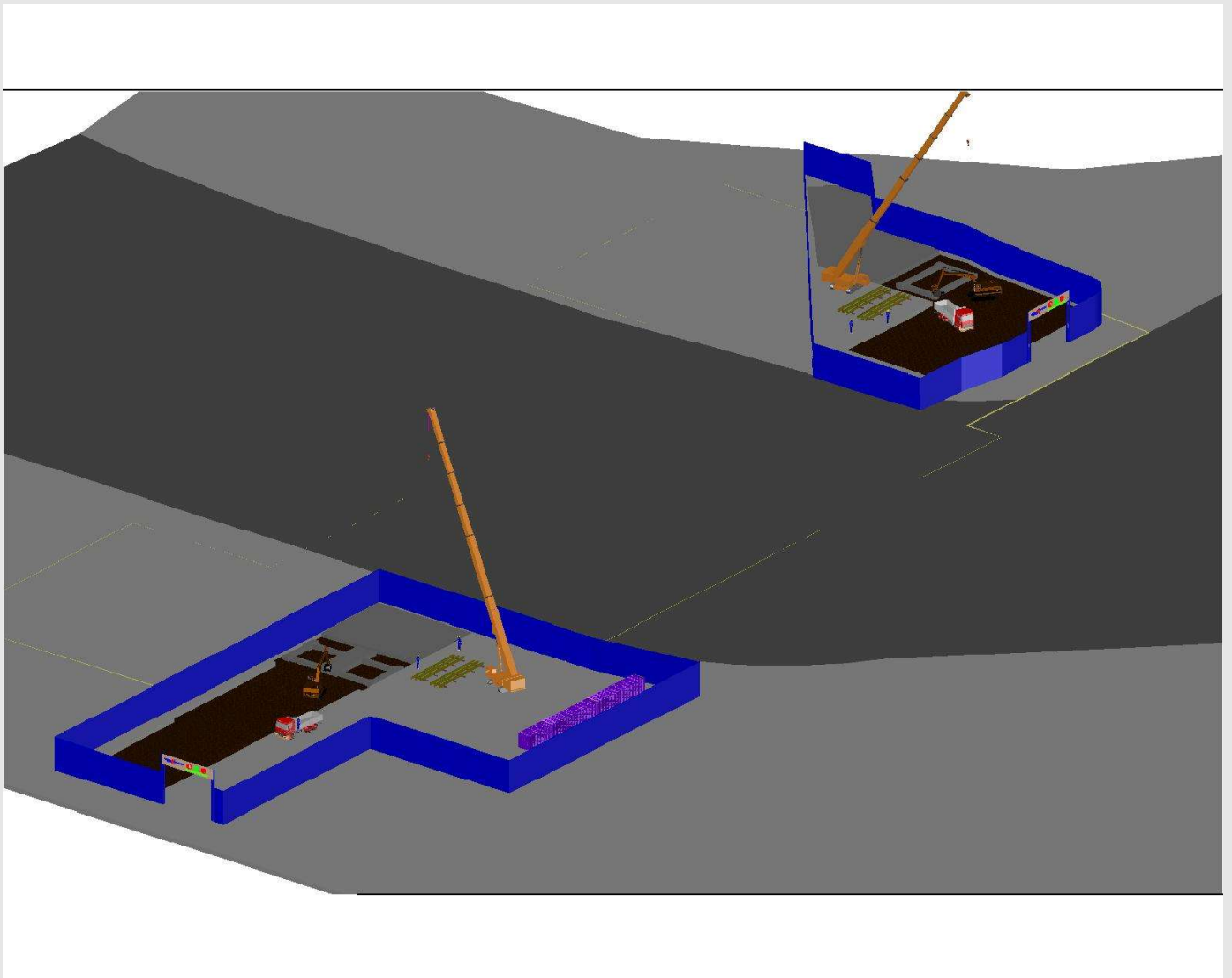
Example 03: Construction Phasing of Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Stage-04)



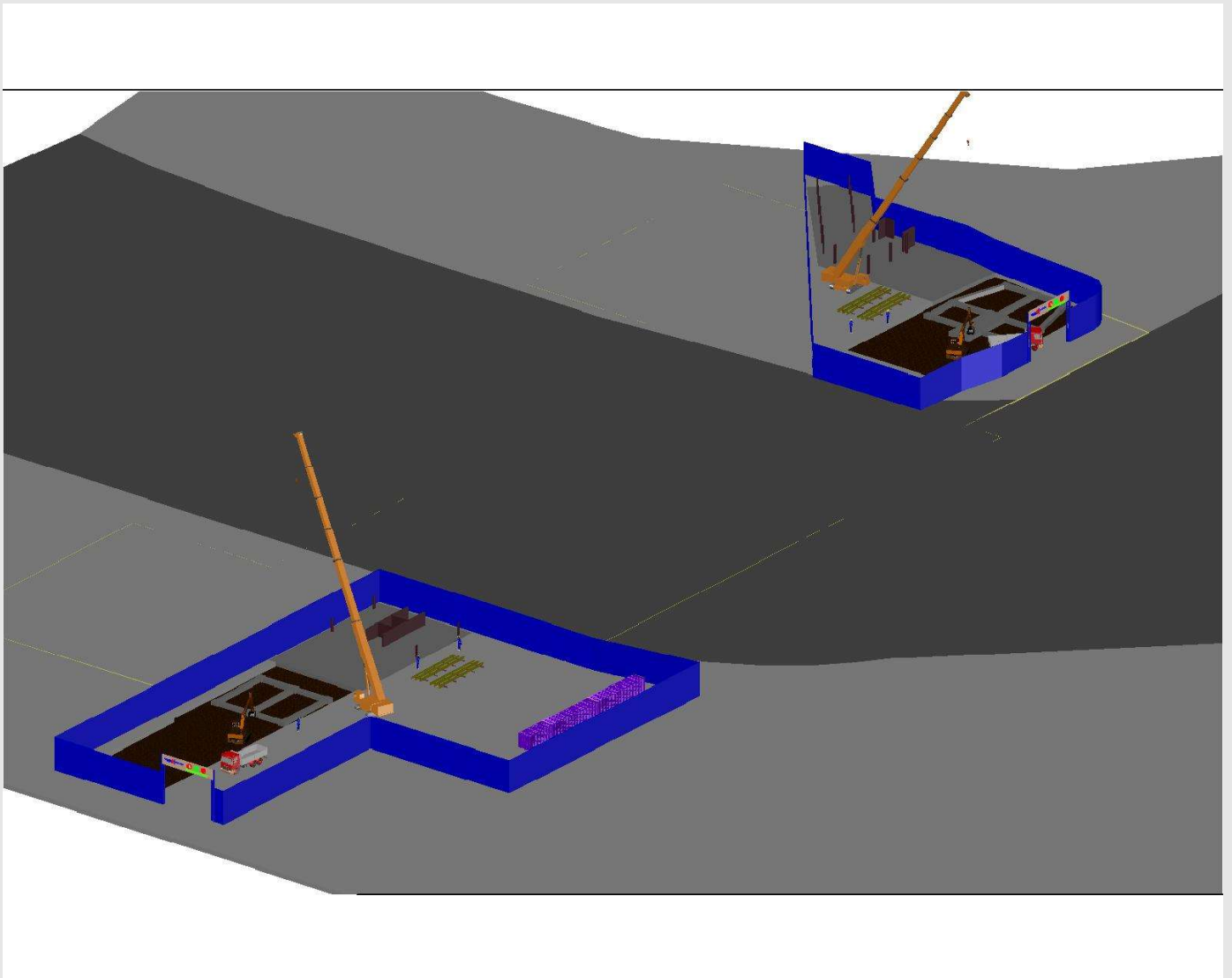
Example 03: Construction Phasing of
Towers and Sky Bridge Project, Hong
Kong Airport, Hong Kong. (Stage-05)



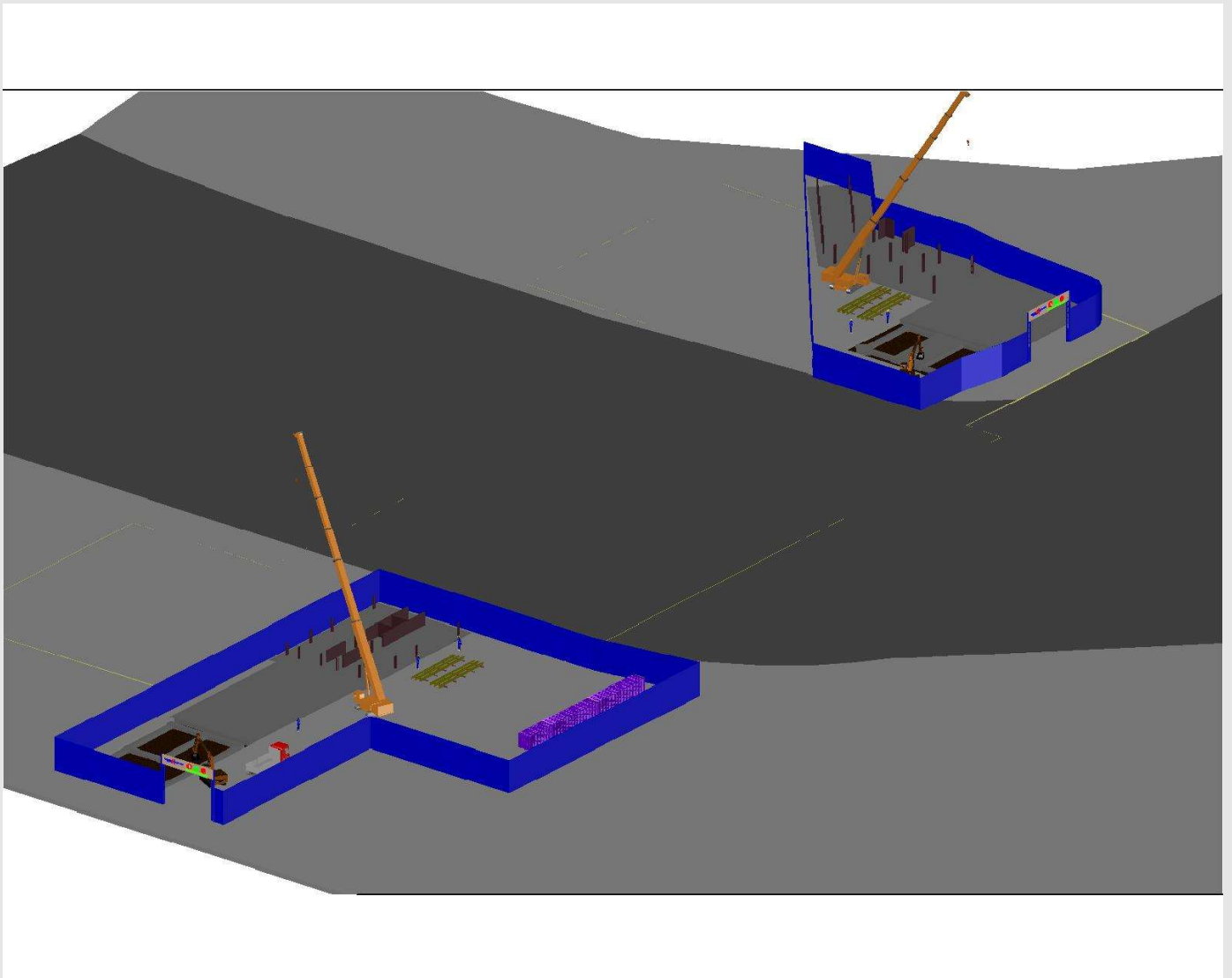
Example 03: Construction Phasing of Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Stage-06)



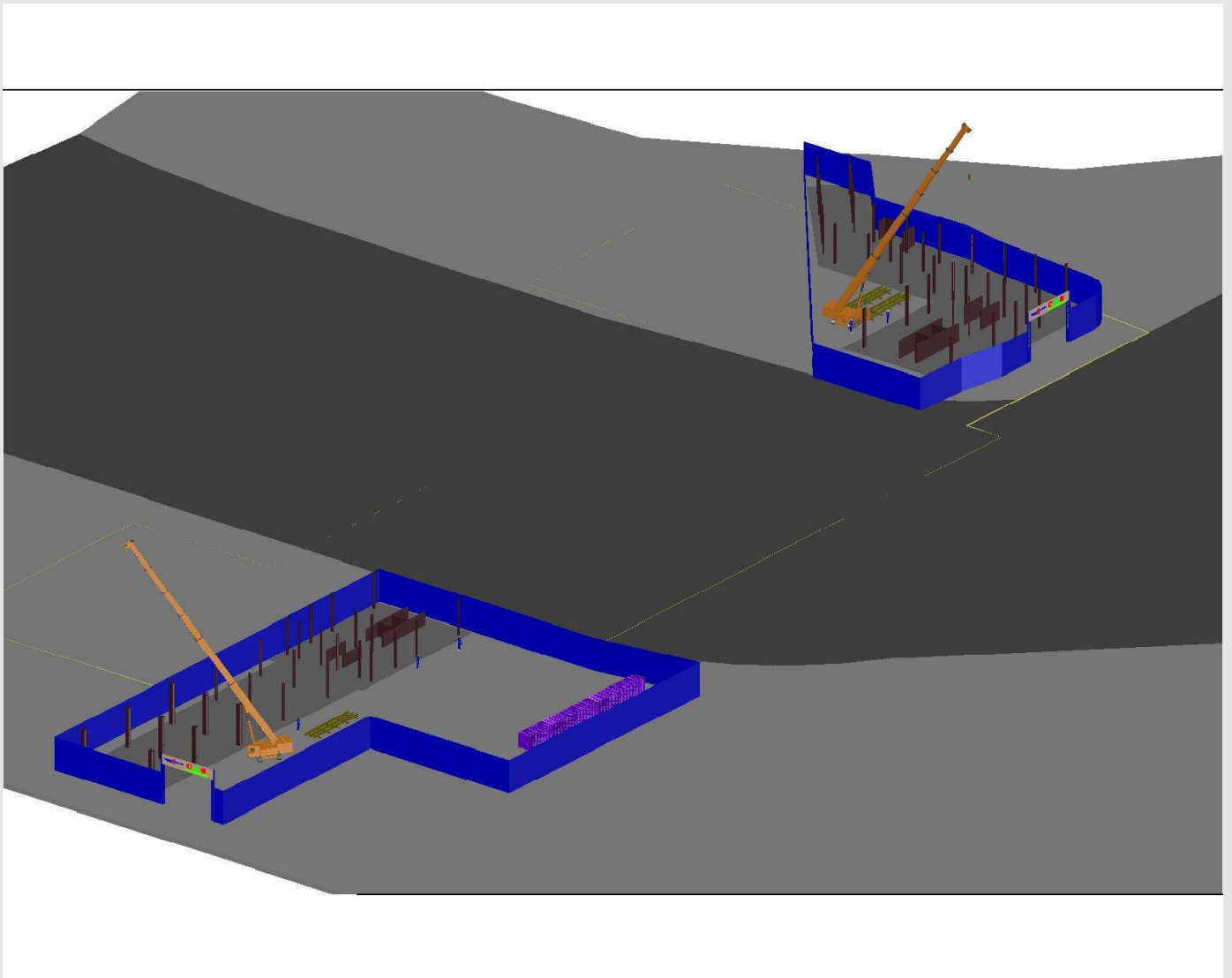
Example 03: Construction Phasing of Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Stage-07)



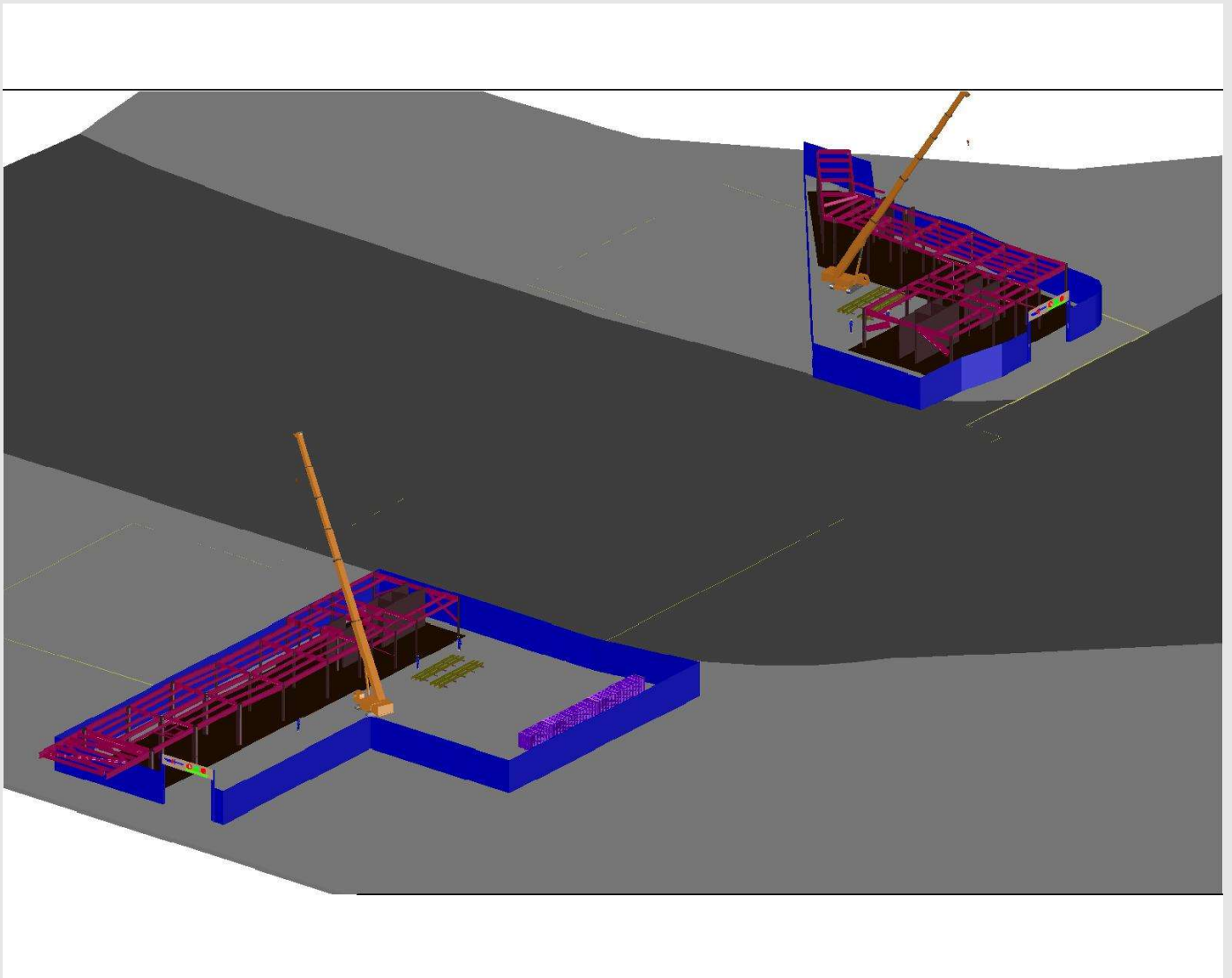
Example 03: Construction Phasing of
Towers and Sky Bridge Project, Hong
Kong Airport, Hong Kong. (Stage-08)



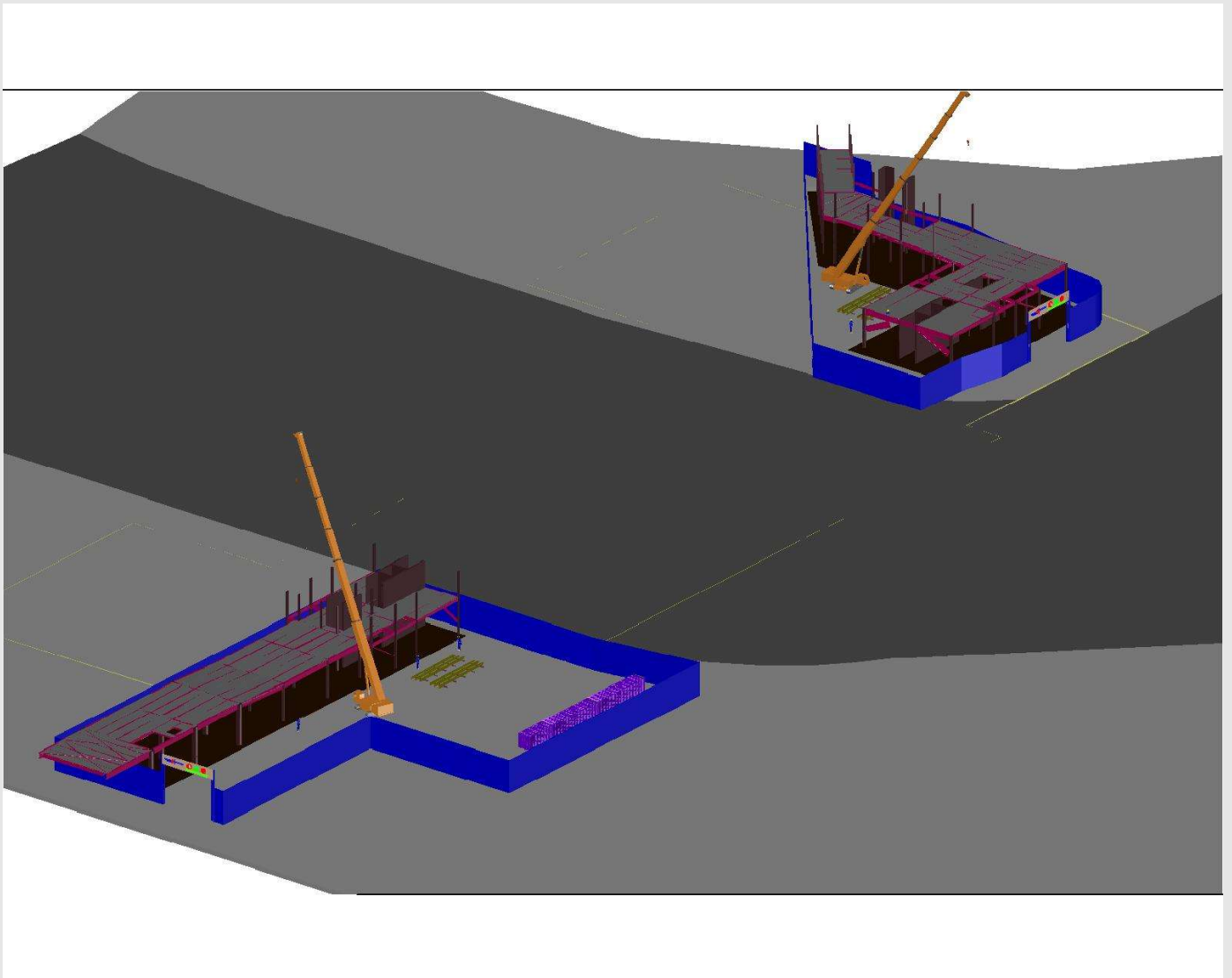
Example 03: Construction Phasing of Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Stage-09)



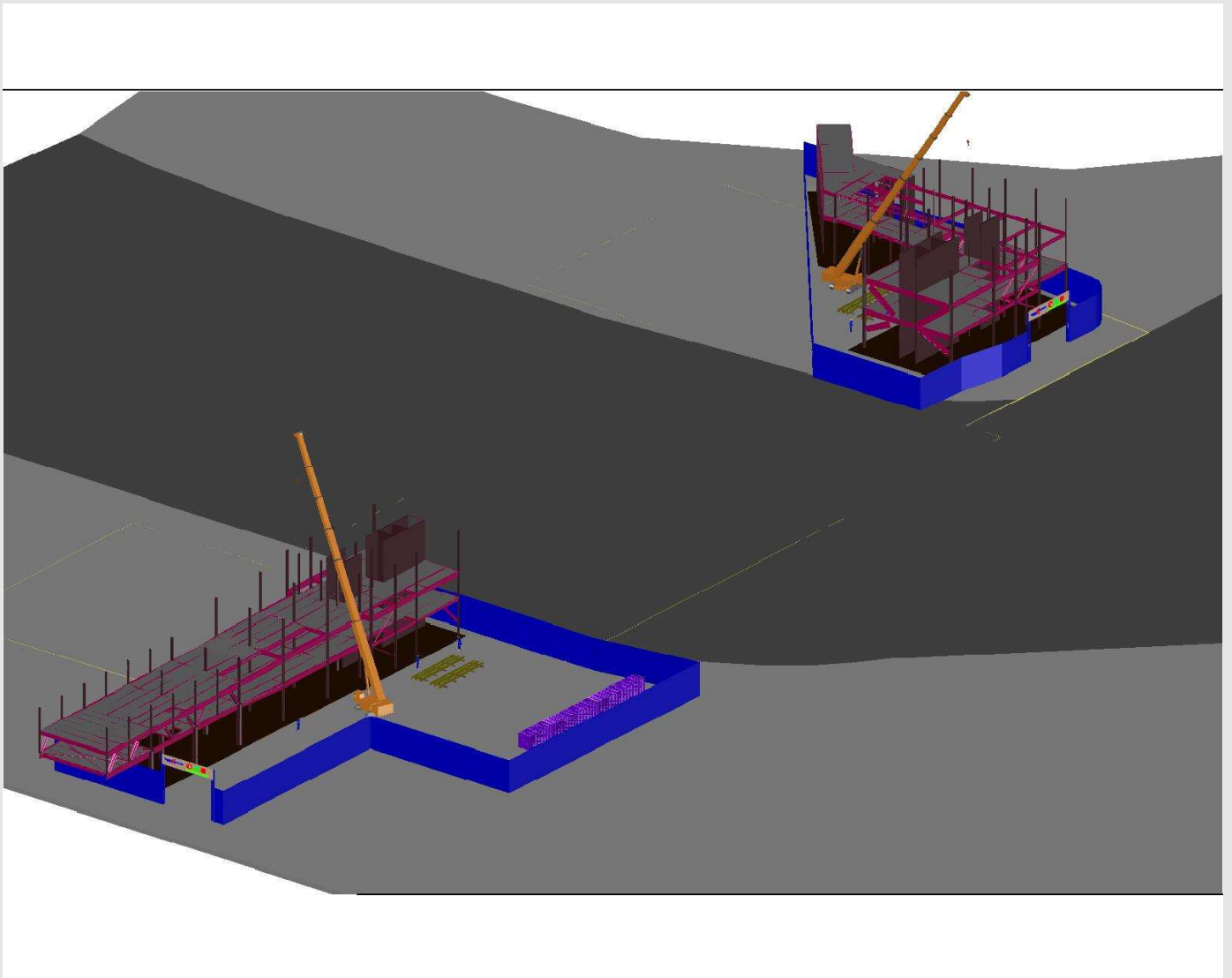
Example 03: Construction Phasing of Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Stage-10)



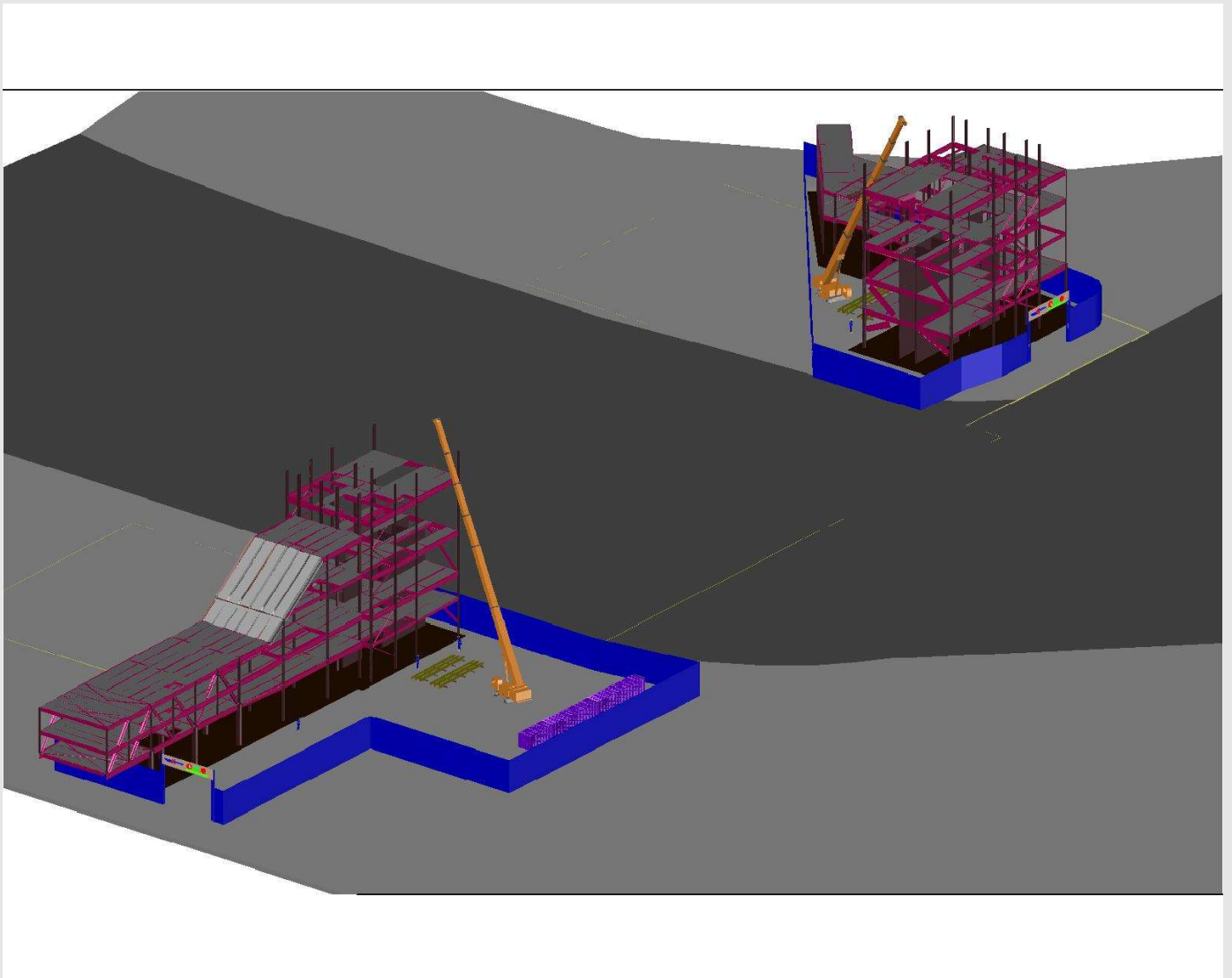
Example 03: Construction Phasing of Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Stage-11)



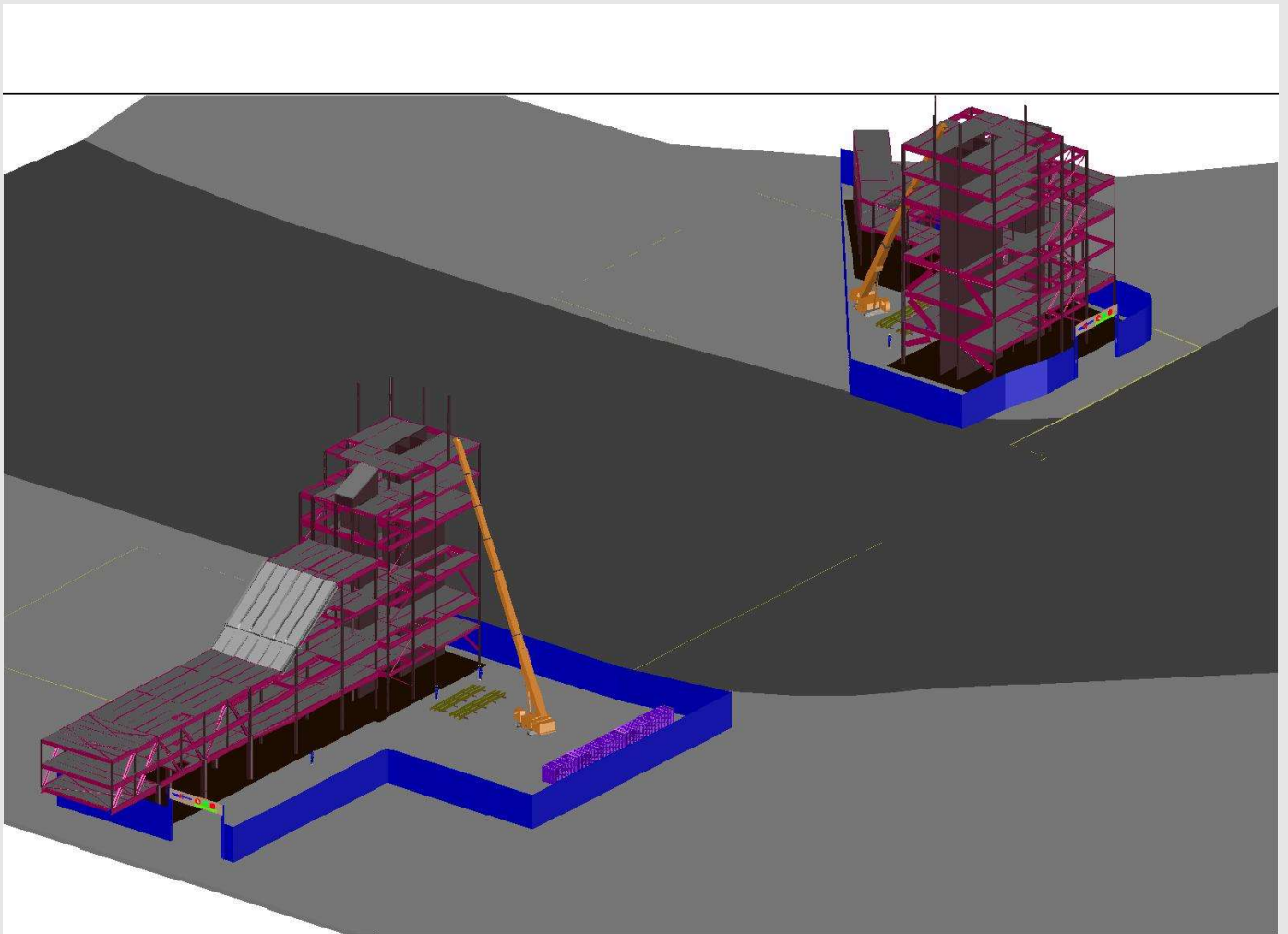
Example 03: Construction Phasing of
Towers and Sky Bridge Project, Hong
Kong Airport, Hong Kong. (Stage-12)



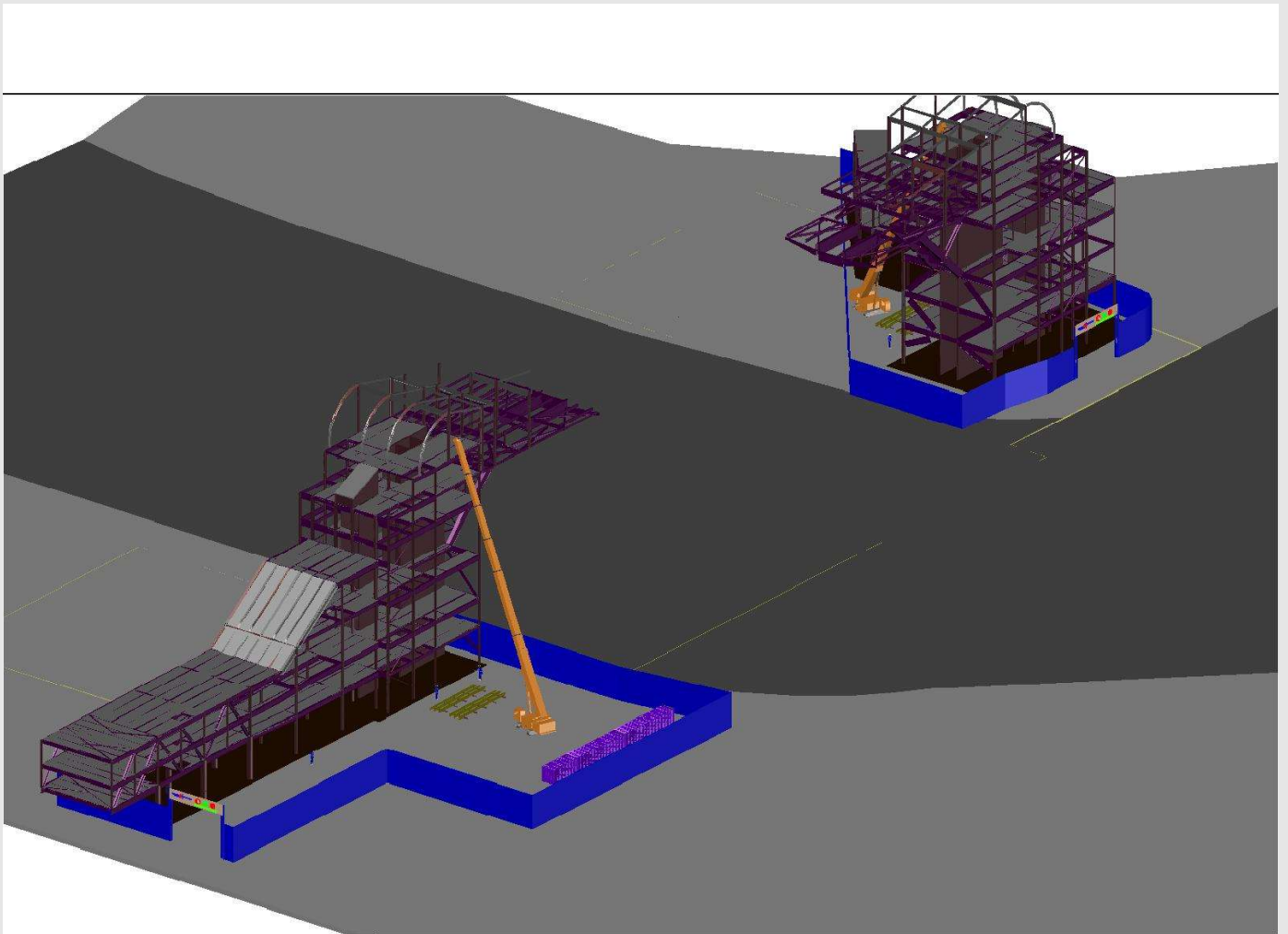
Example 03: Construction Phasing of
Towers and Sky Bridge Project, Hong
Kong Airport, Hong Kong. (Stage-13)



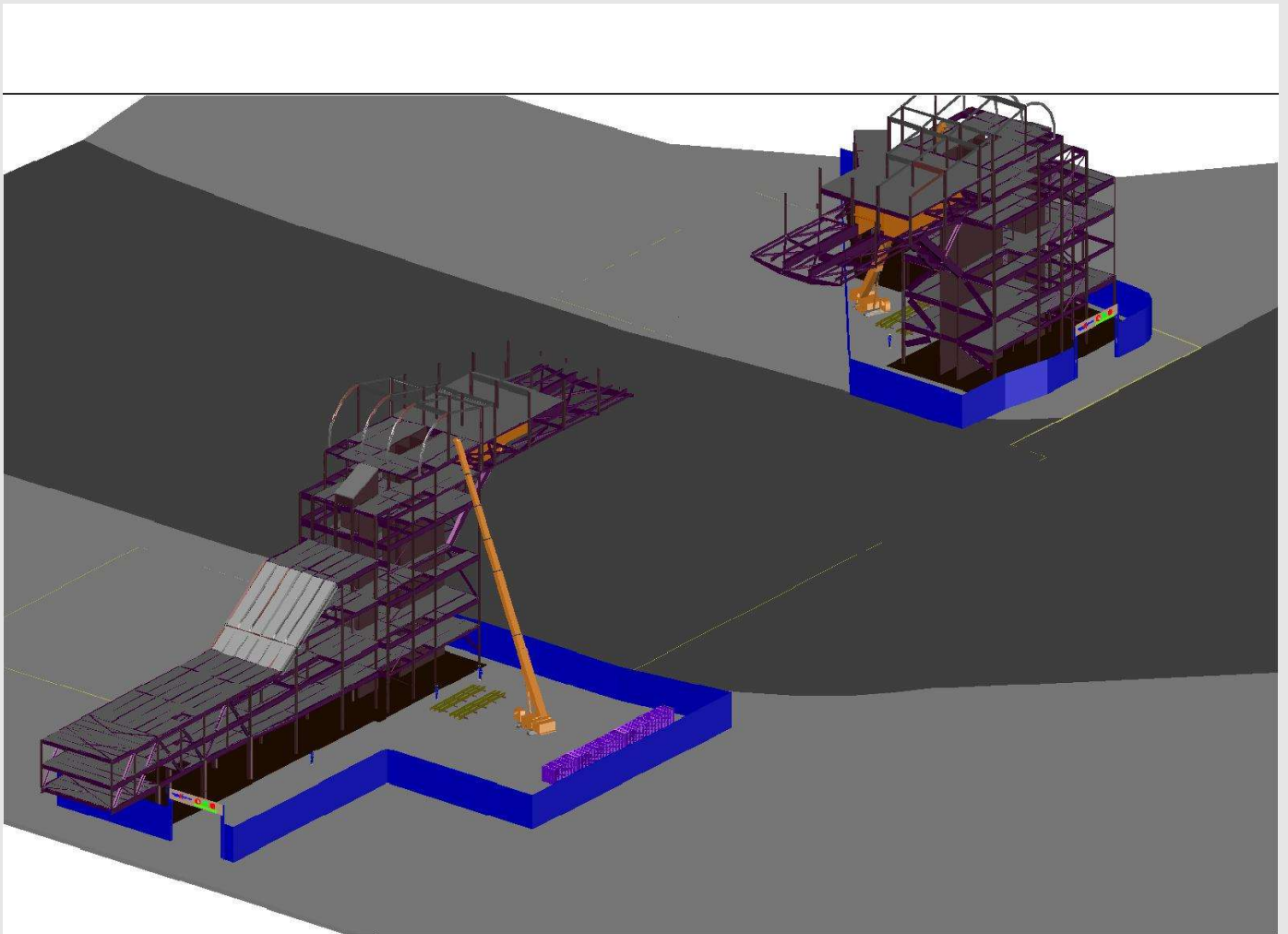
Example 03: Construction Phasing of Towers and Sky Bridge Project, Hong Kong Airport, Hong Kong. (Stage-14)



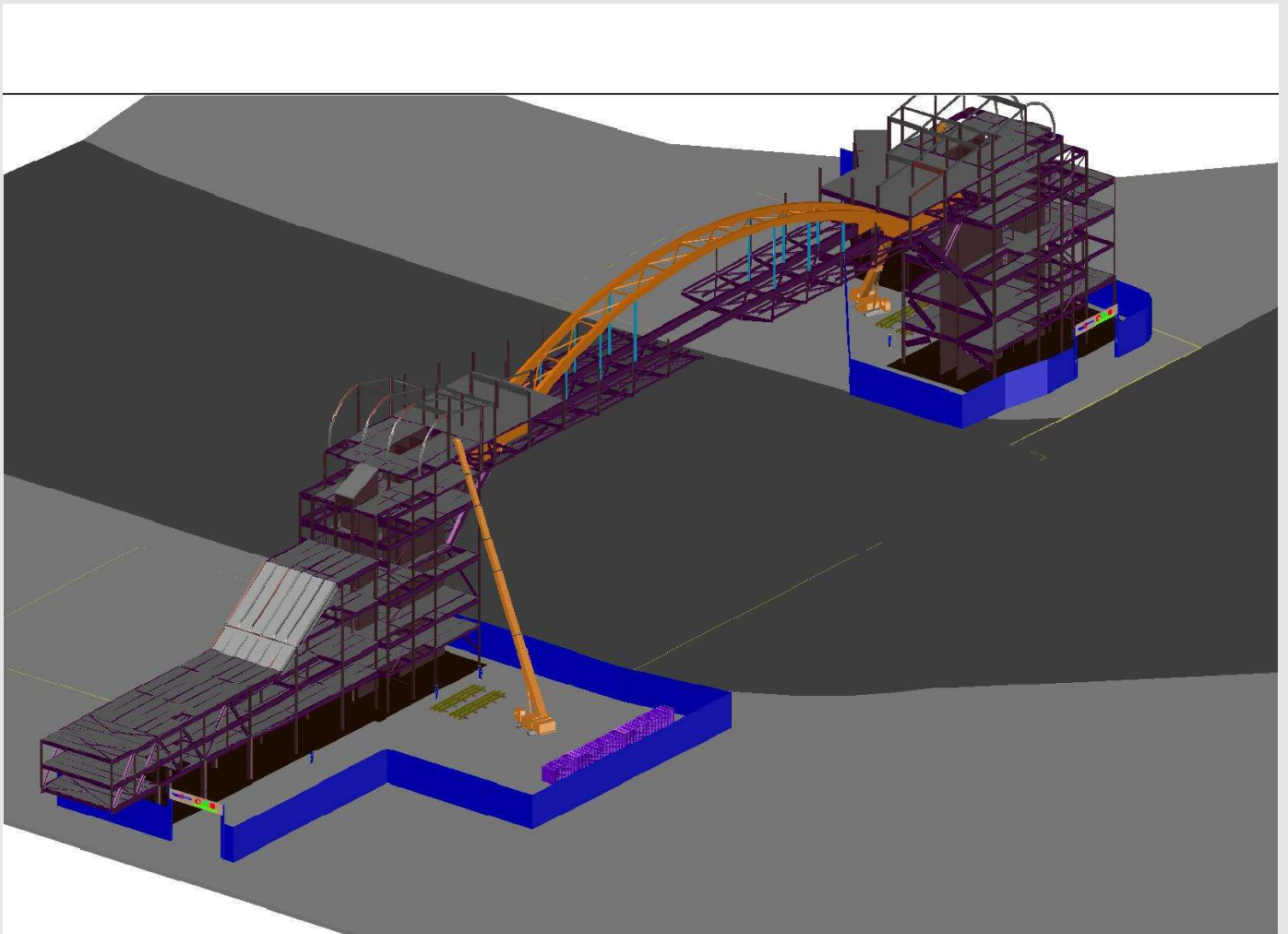
Example 03: Construction Phasing of
Towers and Sky Bridge Project, Hong
Kong Airport, Hong Kong. (Stage-15)



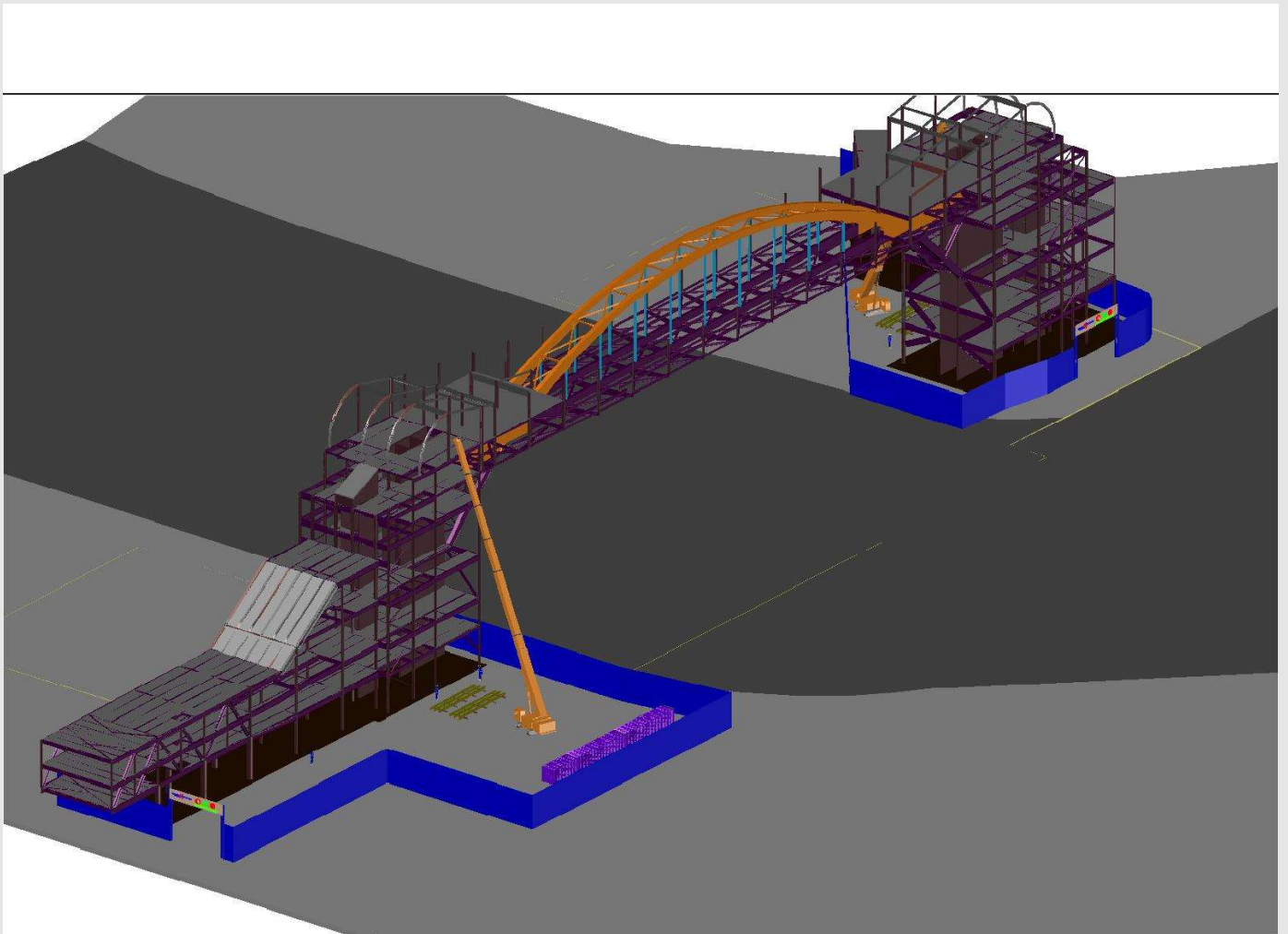
Example 03: Construction Phasing of
Towers and Sky Bridge Project, Hong
Kong Airport, Hong Kong. (Stage-16)



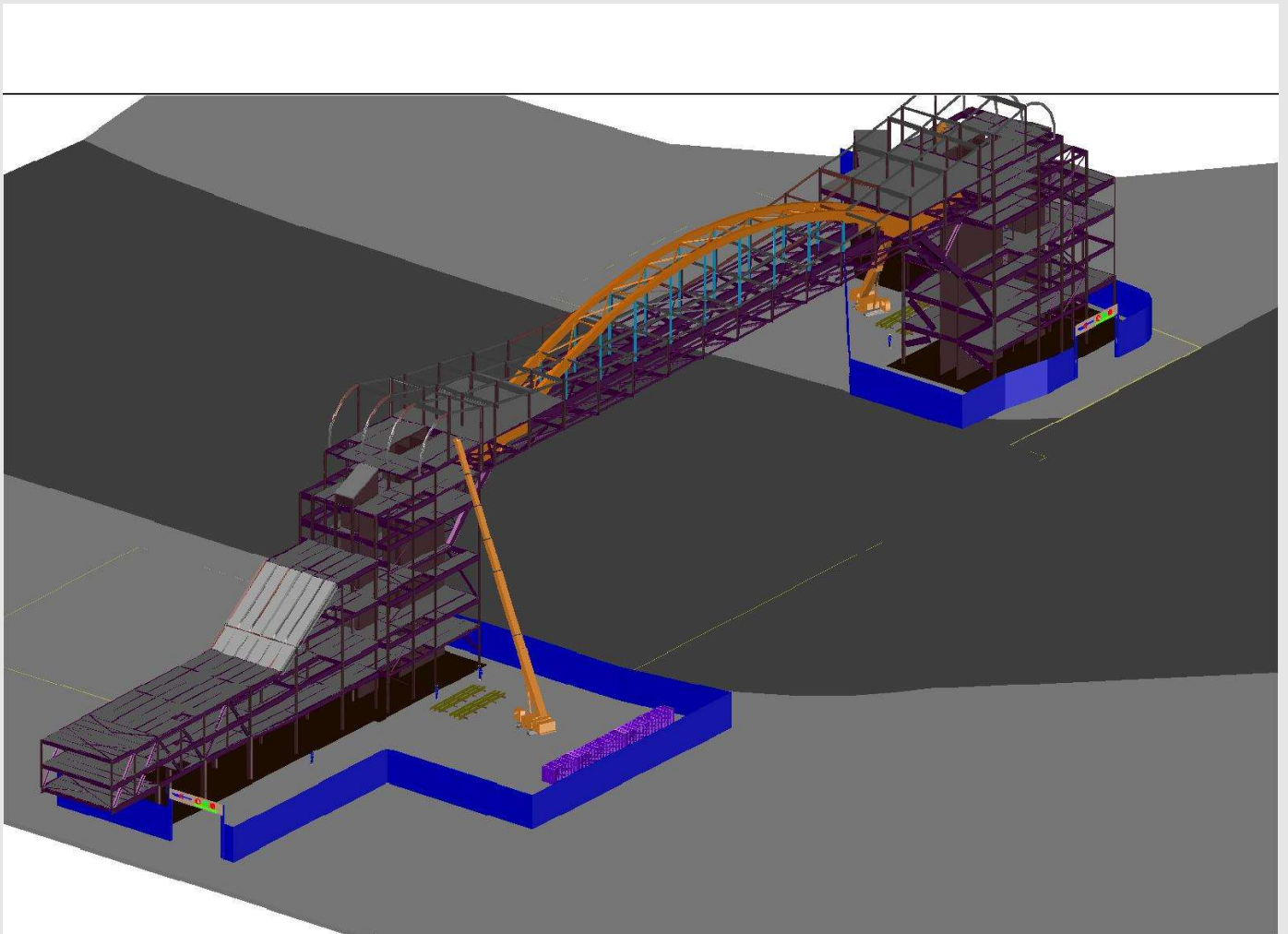
Example 03: Construction Phasing of
Towers and Sky Bridge Project, Hong
Kong Airport, Hong Kong. (Stage-17)



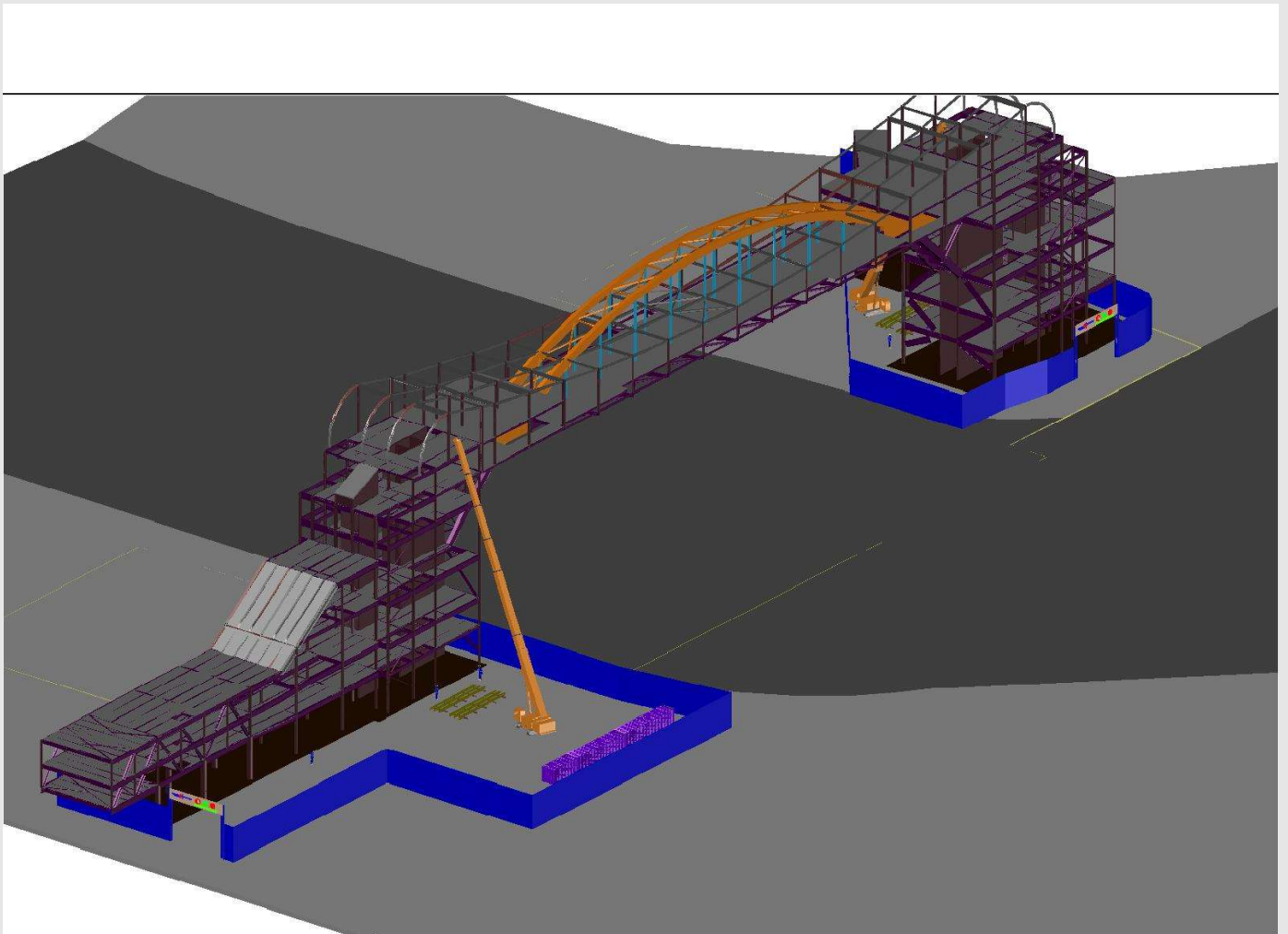
Example 03: Construction Phasing of
Towers and Sky Bridge Project, Hong
Kong Airport, Hong Kong. (Stage-18)



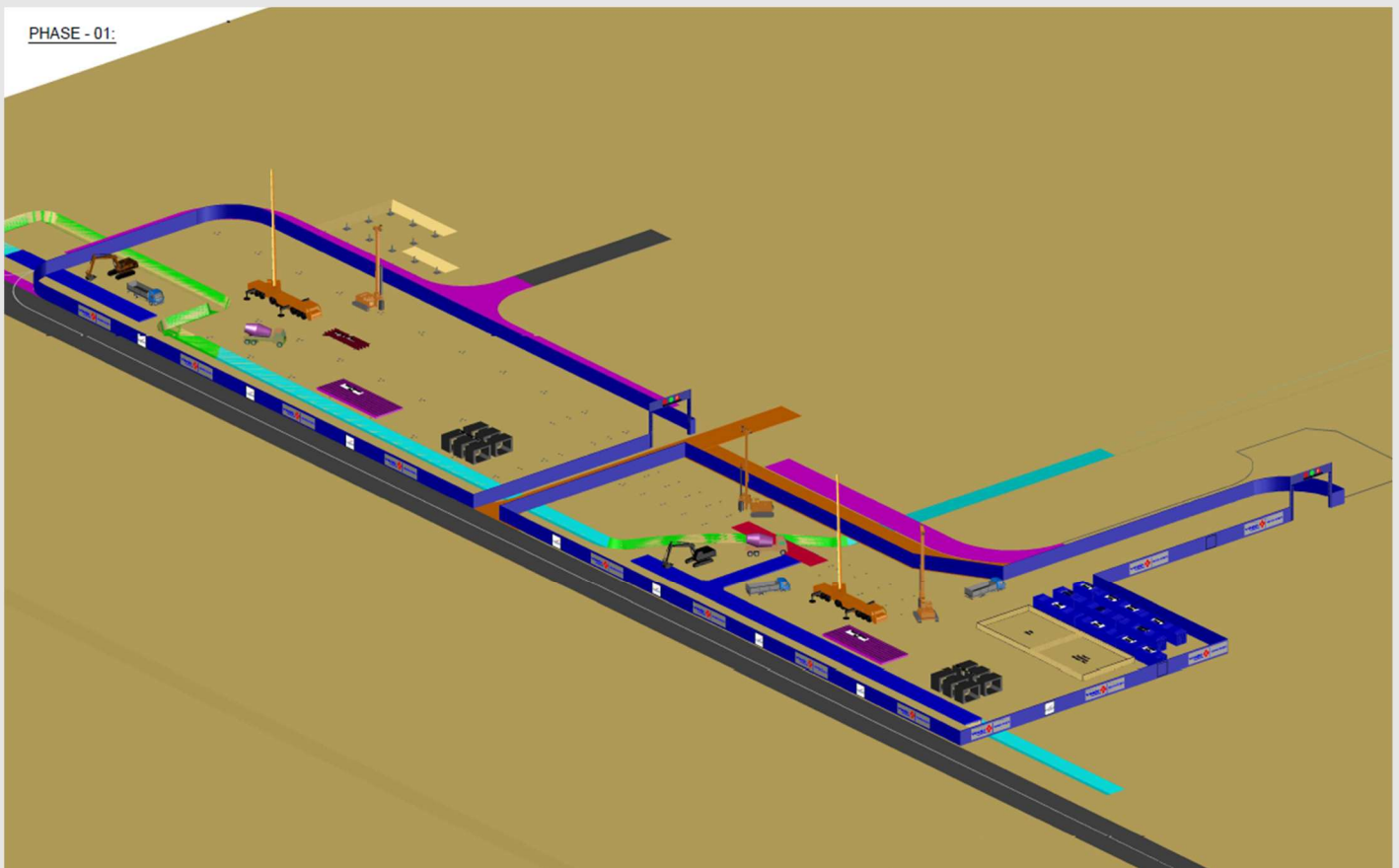
Example 03: Construction Phasing of
Towers and Sky Bridge Project, Hong
Kong Airport, Hong Kong. (Stage-19)



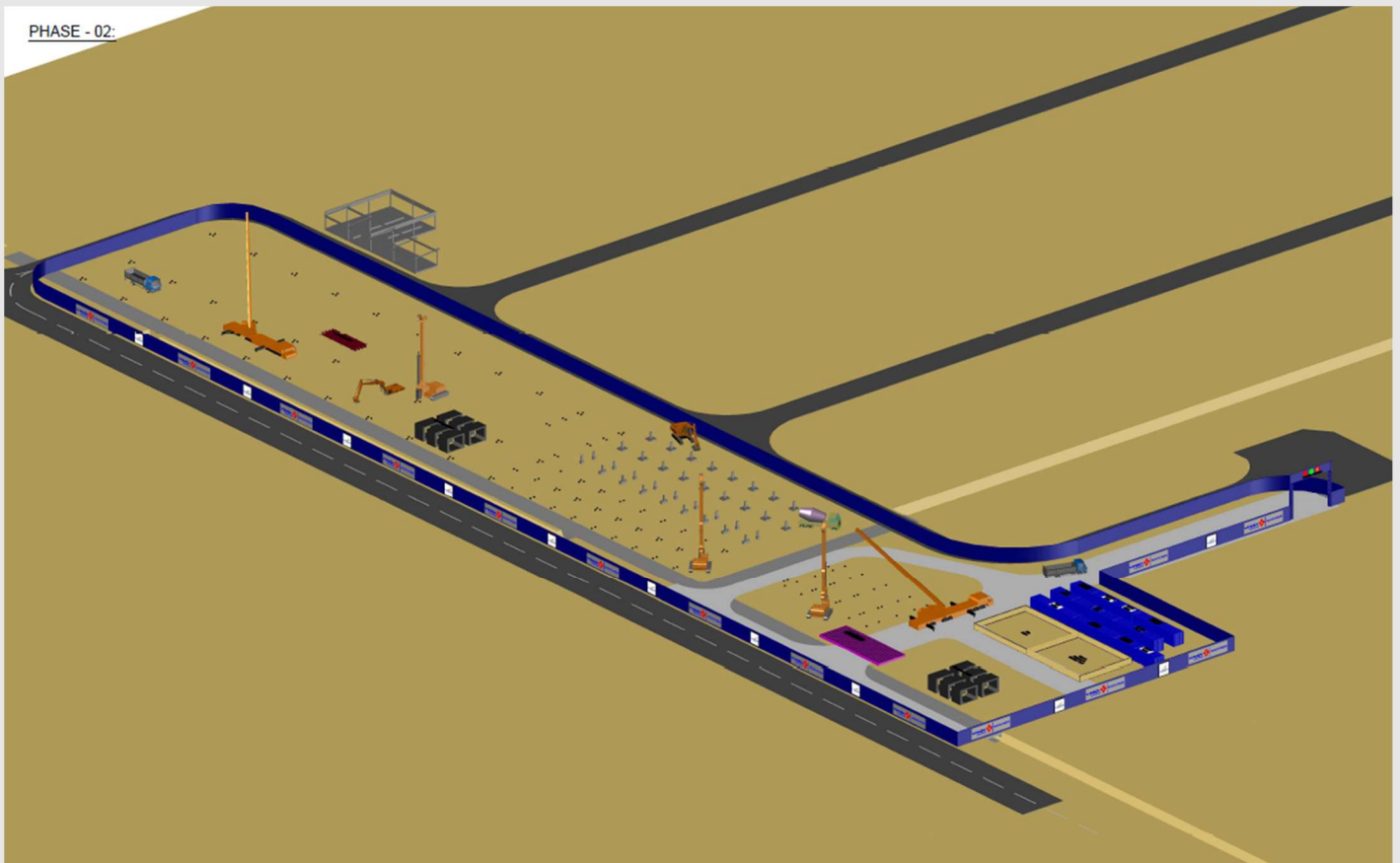
Example 03: Construction Phasing of
Towers and Sky Bridge Project, Hong
Kong Airport, Hong Kong. (Stage-20)



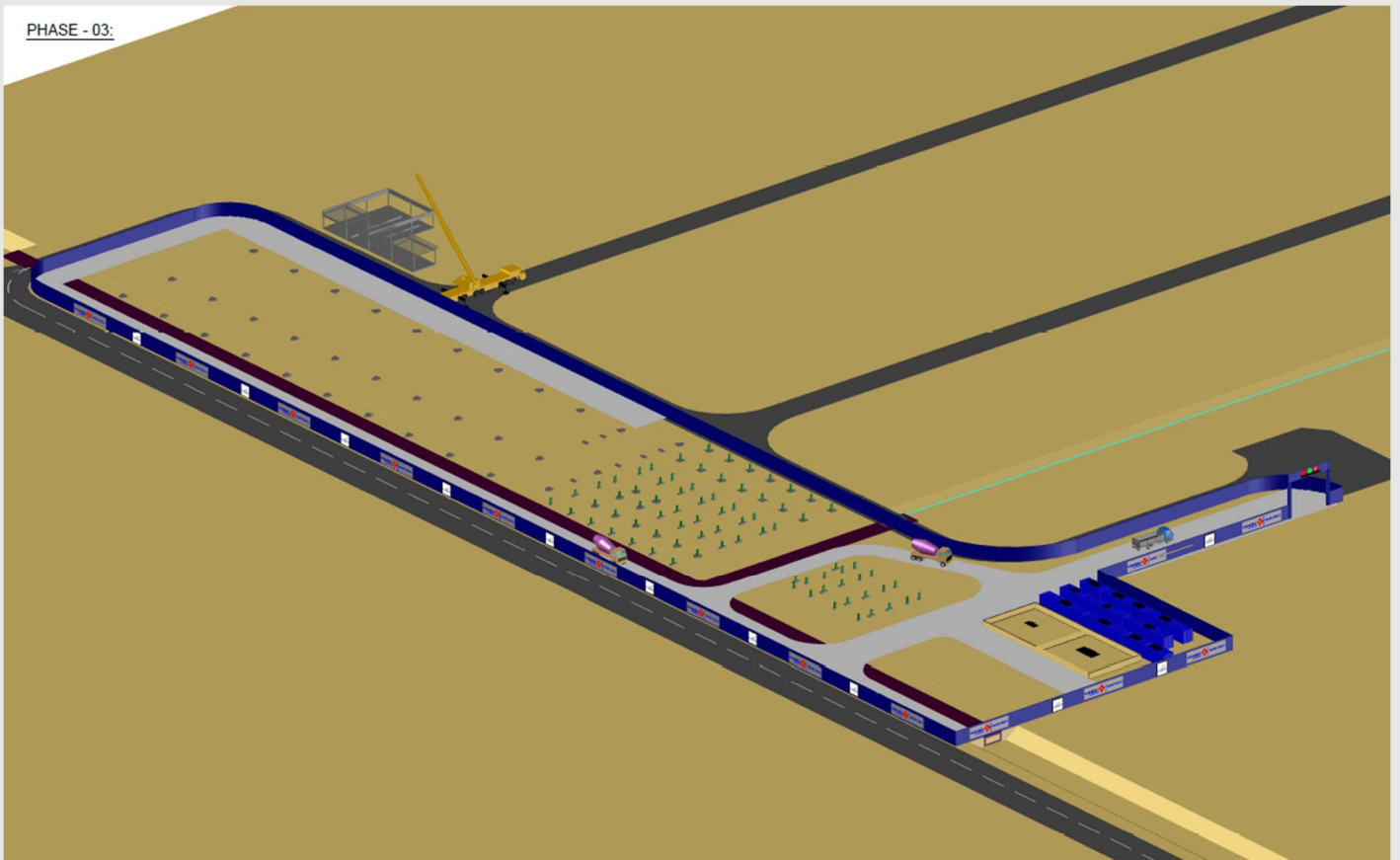
Example 04: Construction Phasing of Ground Handling Building, Phnom Penh Airport, Cambodia. (Stage-01)



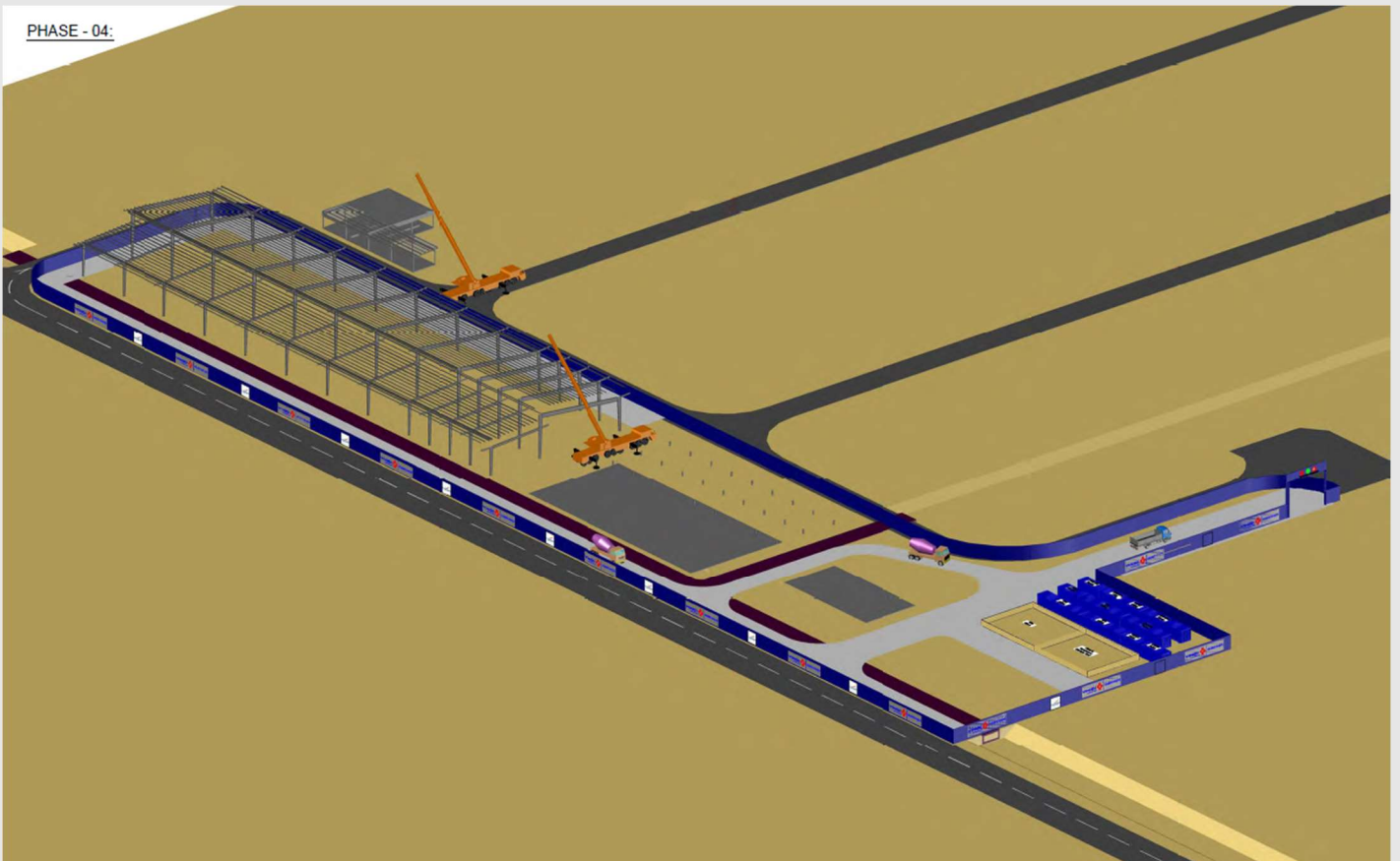
Example 04: Construction Phasing of
Ground Handling Building, Phnom
Penh Airport, Cambodia. (Stage-02)



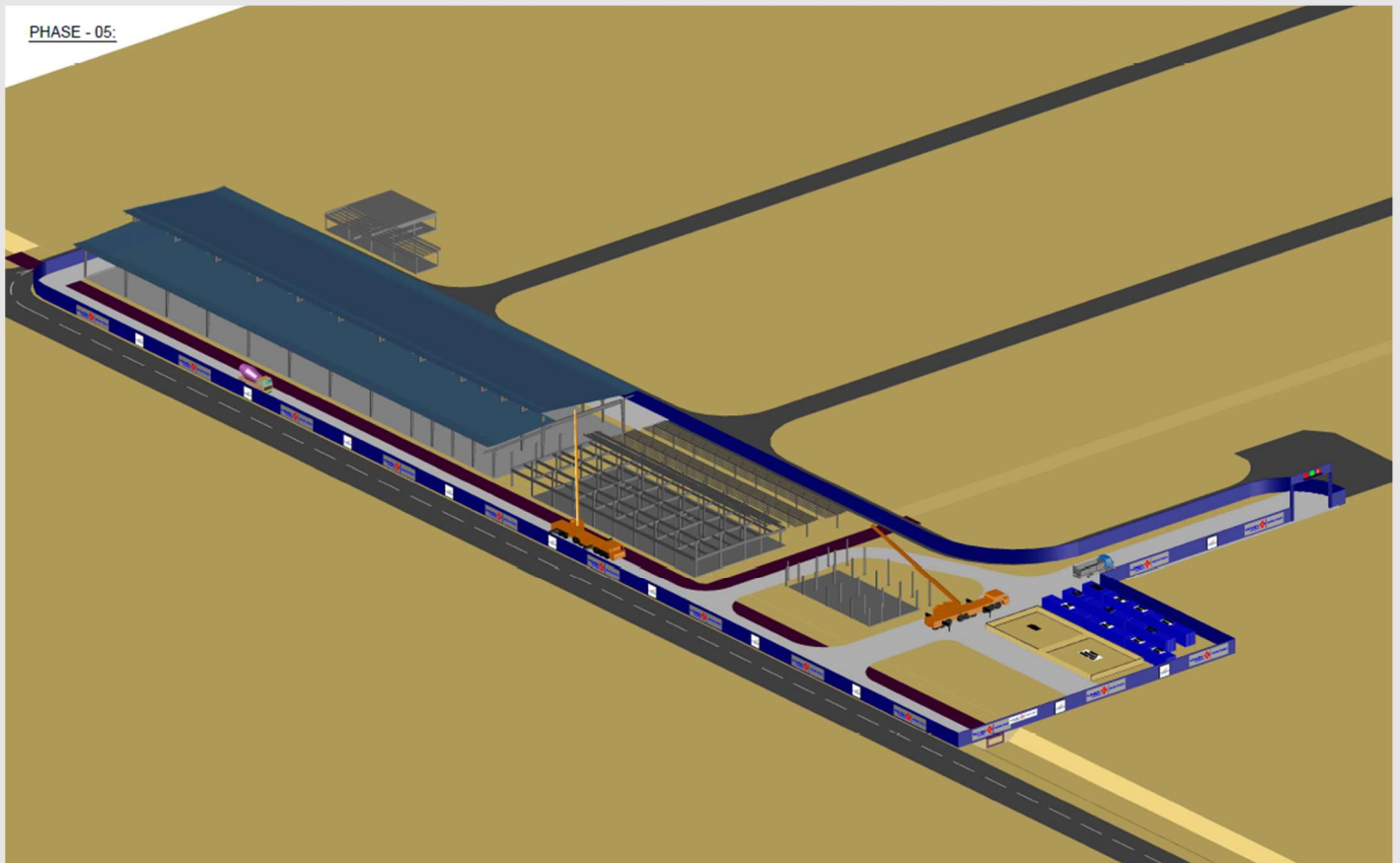
Example 04: Construction Phasing of
Ground Handling Building, Phnom
Penh Airport, Cambodia. (Stage-03)



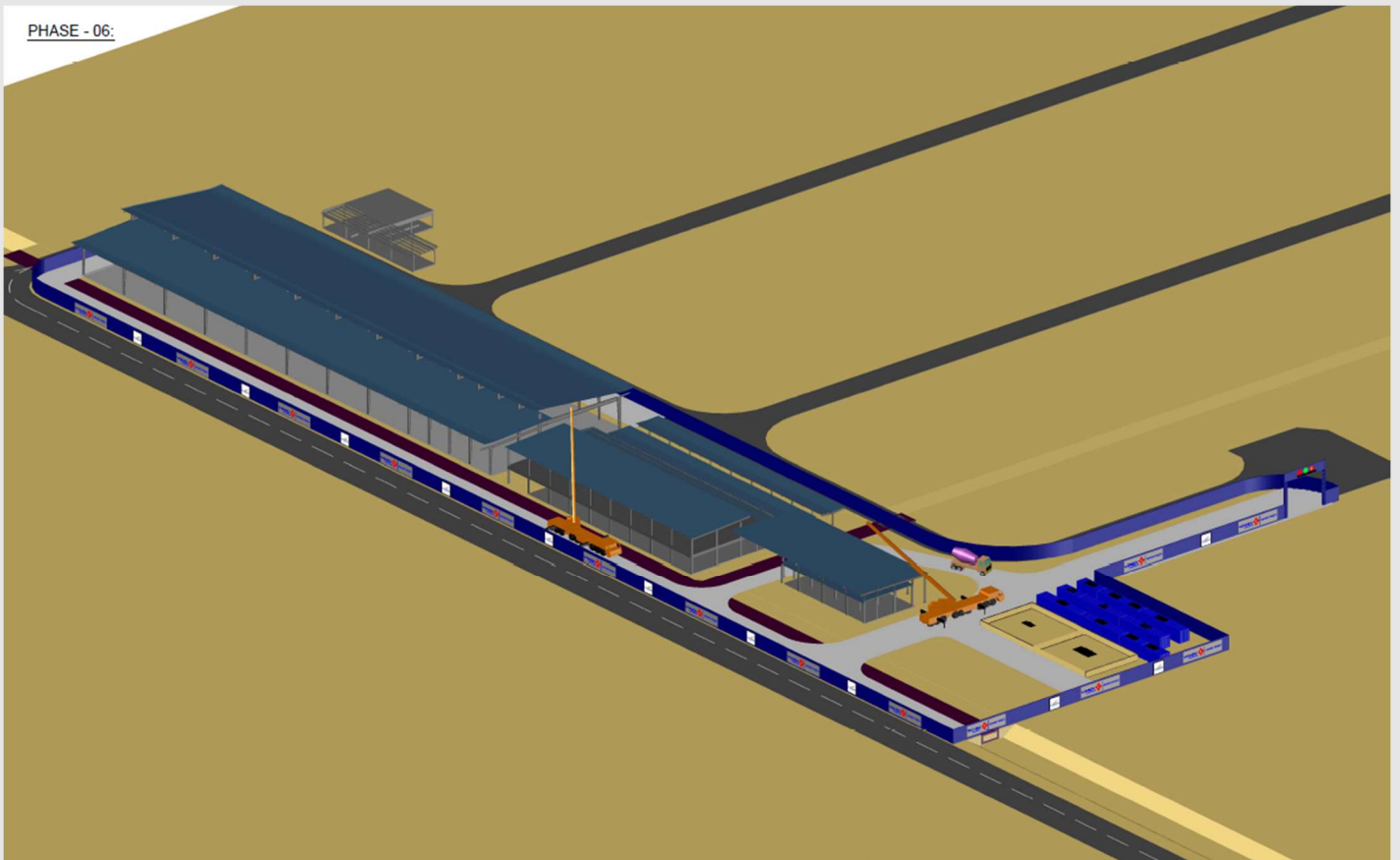
Example 04: Construction Phasing of
Ground Handling Building, Phnom
Penh Airport, Cambodia. (Stage-04)



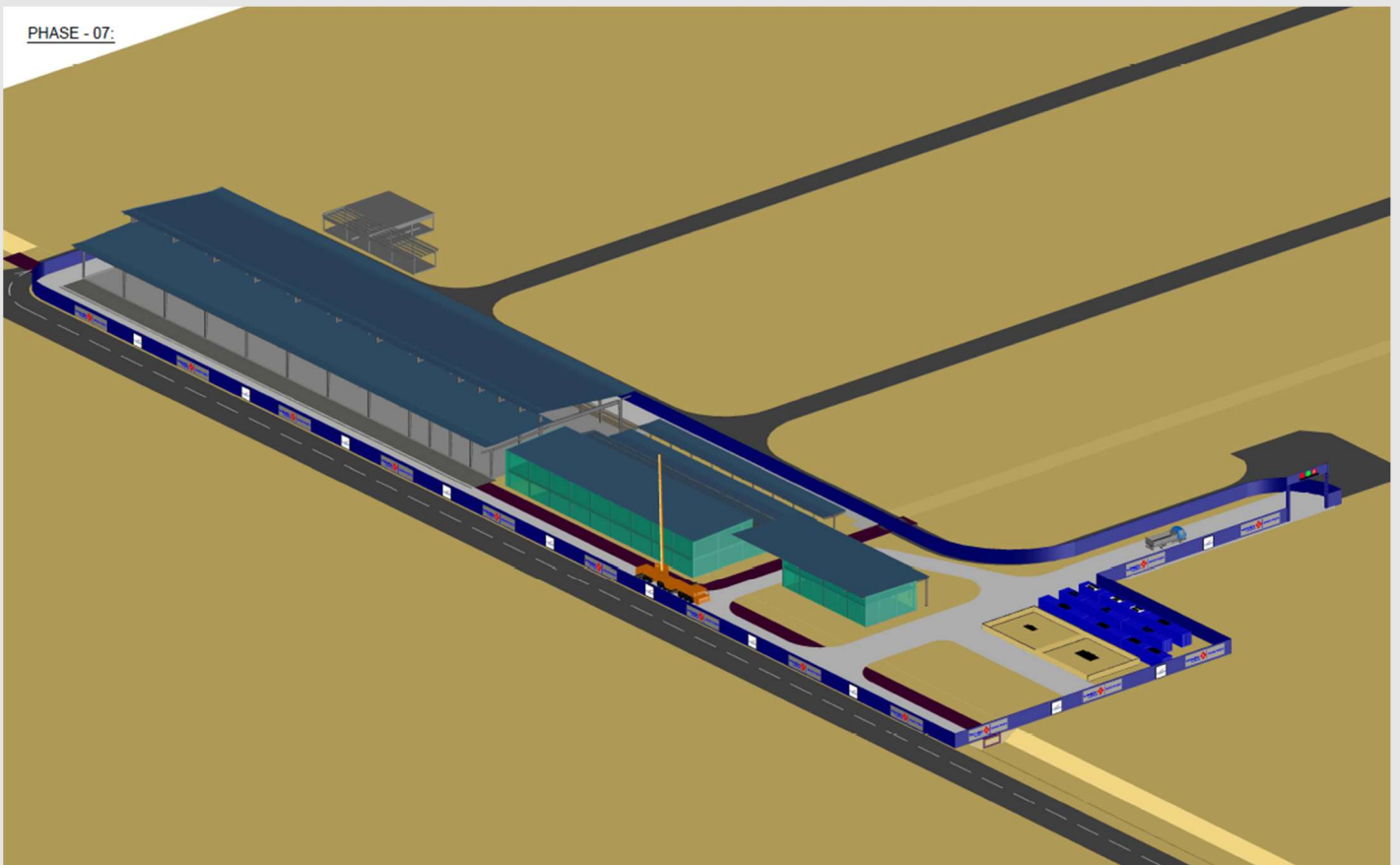
Example 04: Construction Phasing of
Ground Handling Building, Phnom
Penh Airport, Cambodia. (Stage-05)



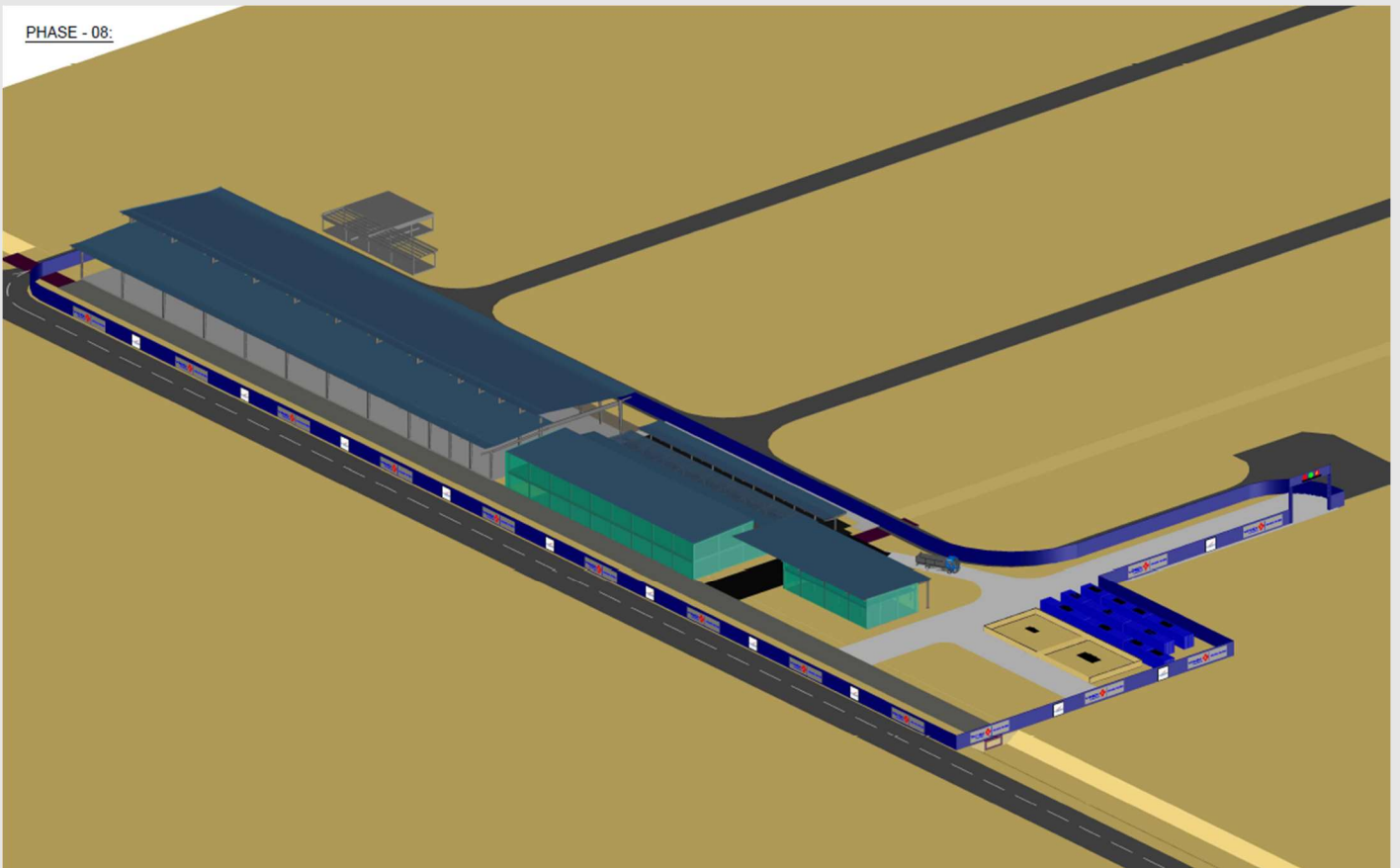
Example 04: Construction Phasing of
Ground Handling Building, Phnom
Penh Airport, Cambodia. (Stage-06)



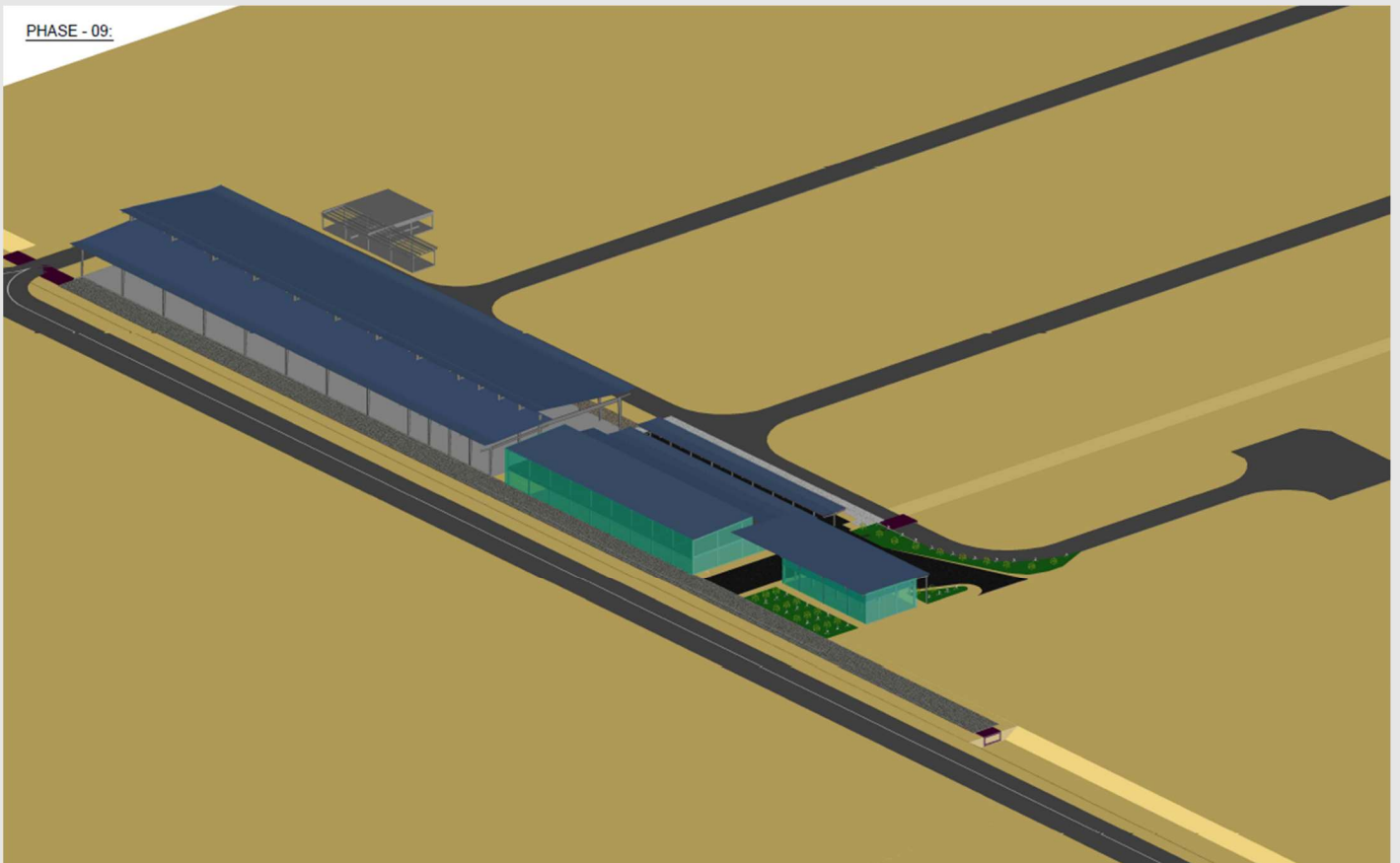
Example 04: Construction Phasing of
Ground Handling Building, Phnom
Penh Airport, Cambodia. (Stage-07)



Example 04: Construction Phasing of
Ground Handling Building, Phnom
Penh Airport, Cambodia. (Stage-08)



Example 04: Construction Phasing of
Ground Handling Building, Phnom
Penh Airport, Cambodia. (Stage-09)



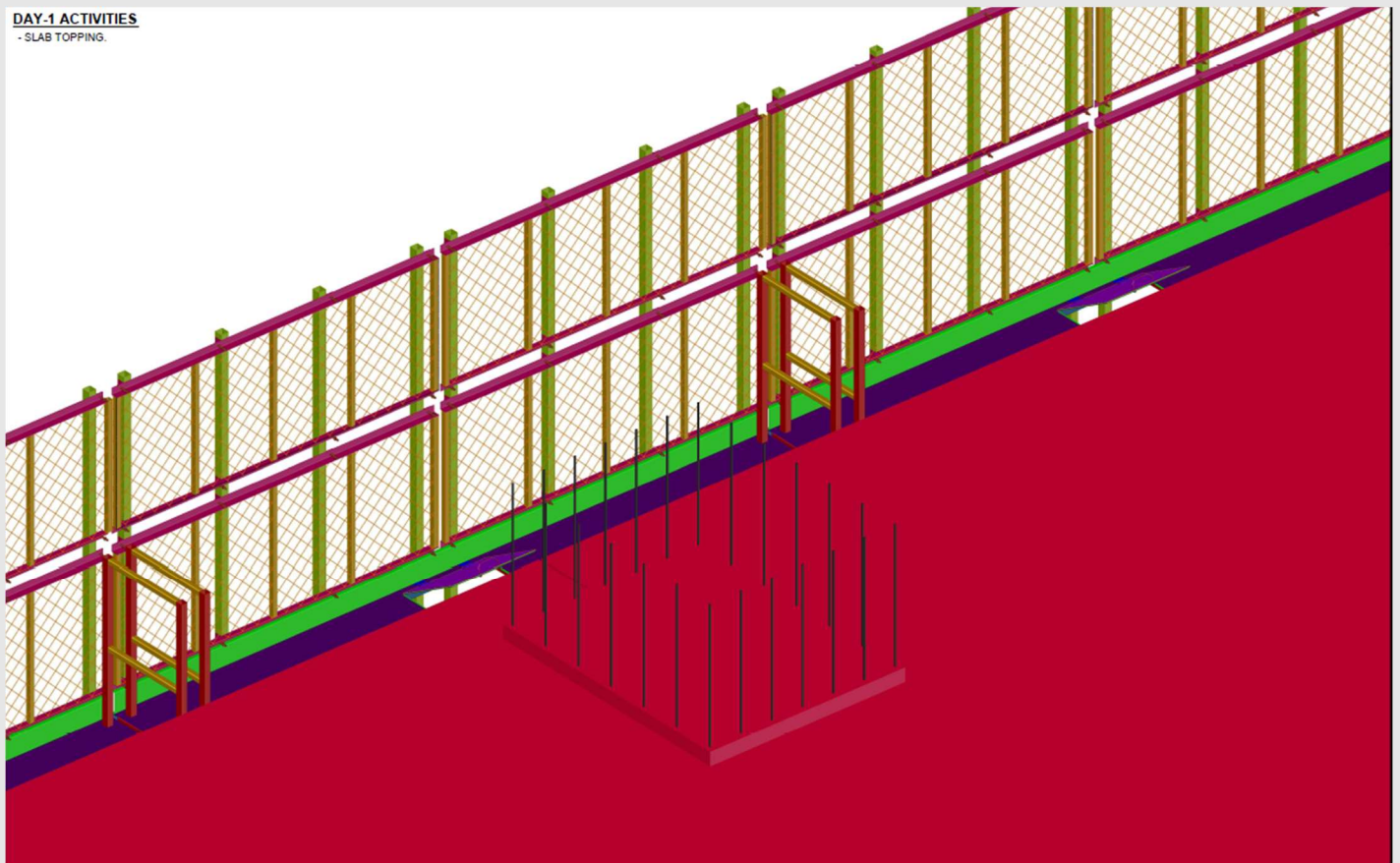
Construction Activity Sequence detailly demonstrates the each and every steps involved in each construction activities. If any new type of methods introduced means, Activity Sequence analyze the steps involved in activity and solve any issues in it. It will helps the labors to execute the work at first time itself, without any mistake.

It incorporate all details about Equipments like its type or model, size, location etc. It will guide the site people to execute even a difficult and new type of methods in works.

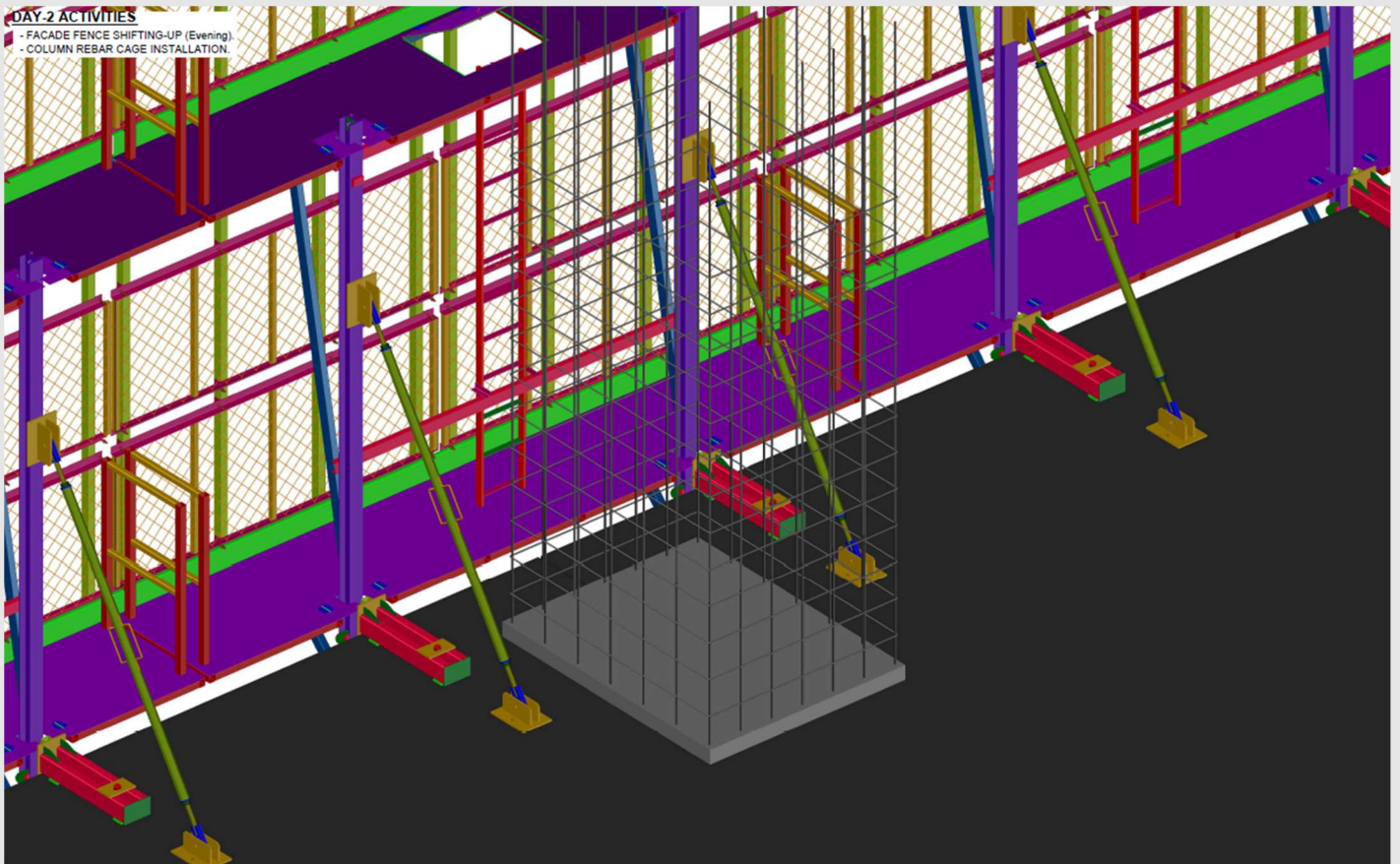
“ Peak is the series of Steps”

Example 01: Construction Activity Sequence for Casting of Column with PC Beam(Sandwich Type). (Stage-01)

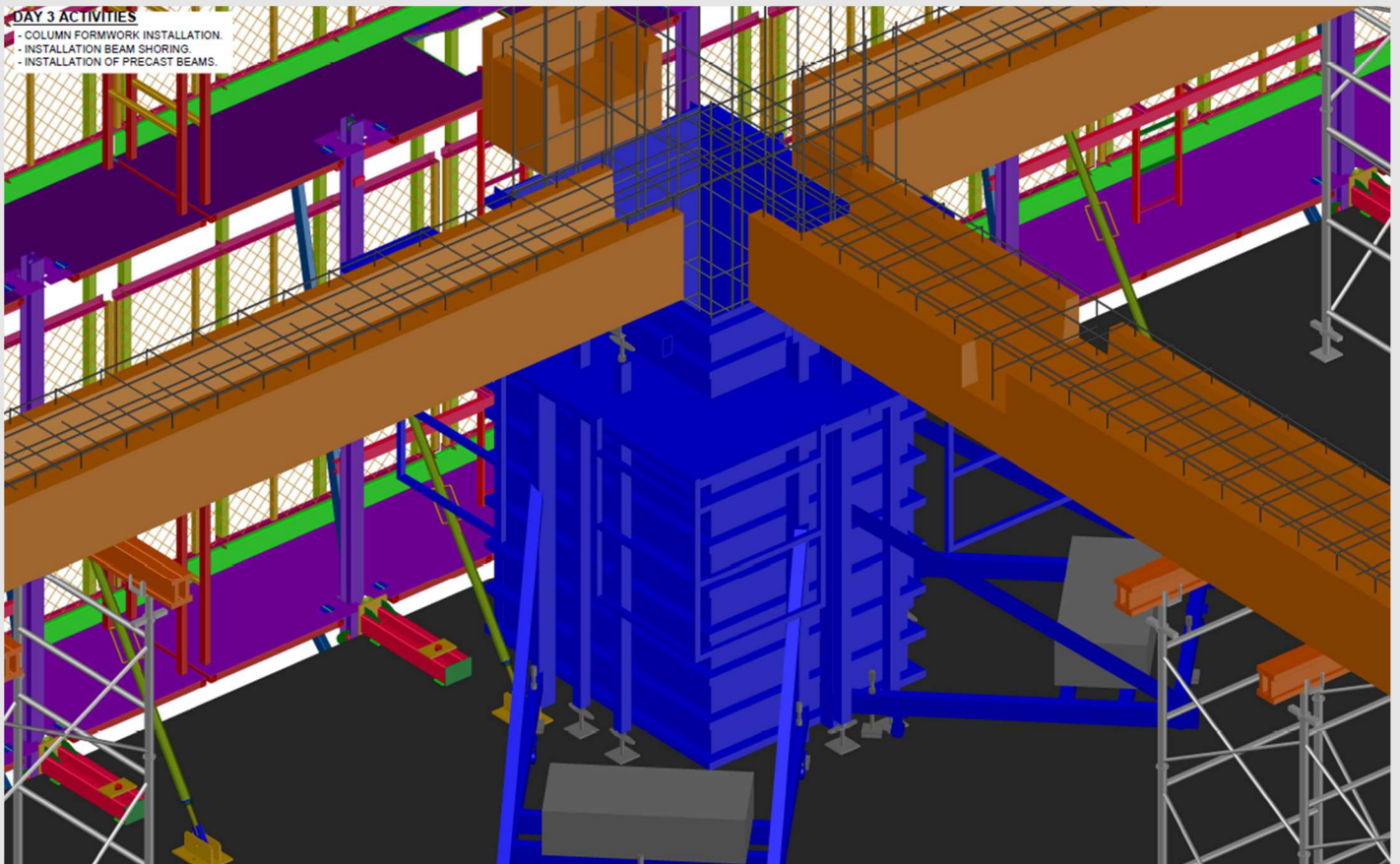
DAY-1 ACTIVITIES
- SLAB TOPPING.



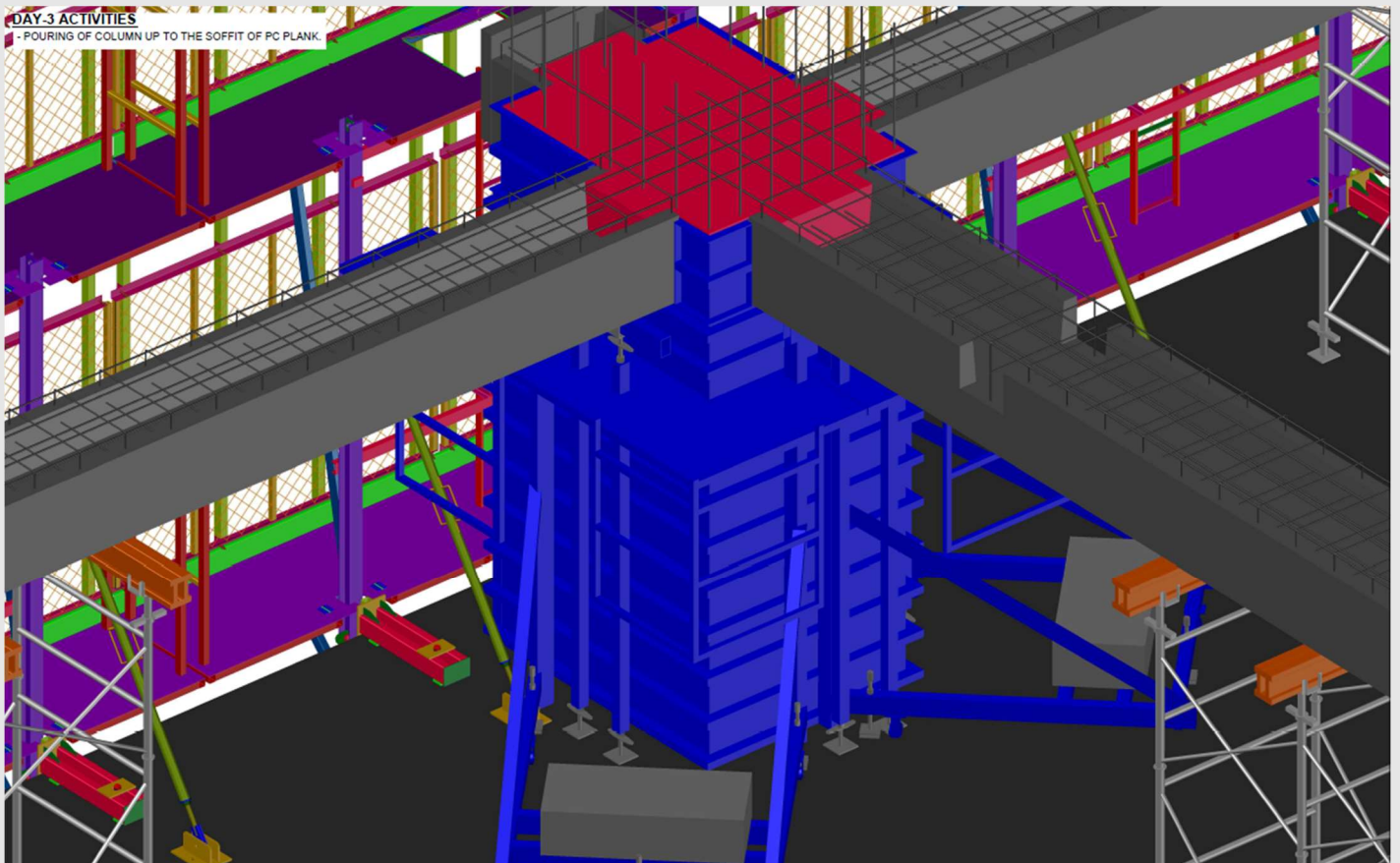
Example 01: Construction Activity Sequence for Casting of Column with PC Beam(Sandwich Type). (Stage-02)



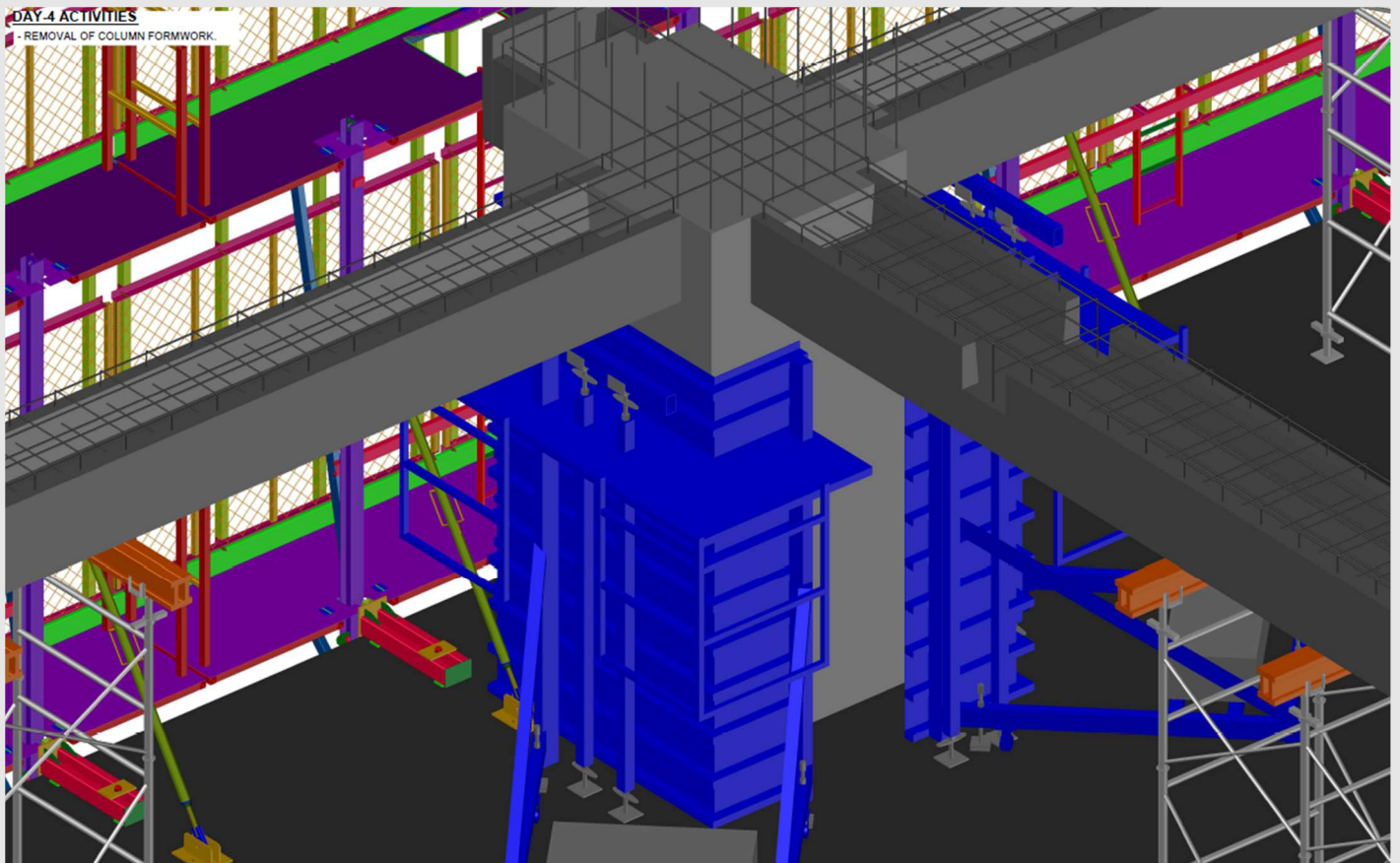
Example 01: Construction Activity Sequence for Casting of Column with PC Beam(Sandwich Type). (Stage-03)



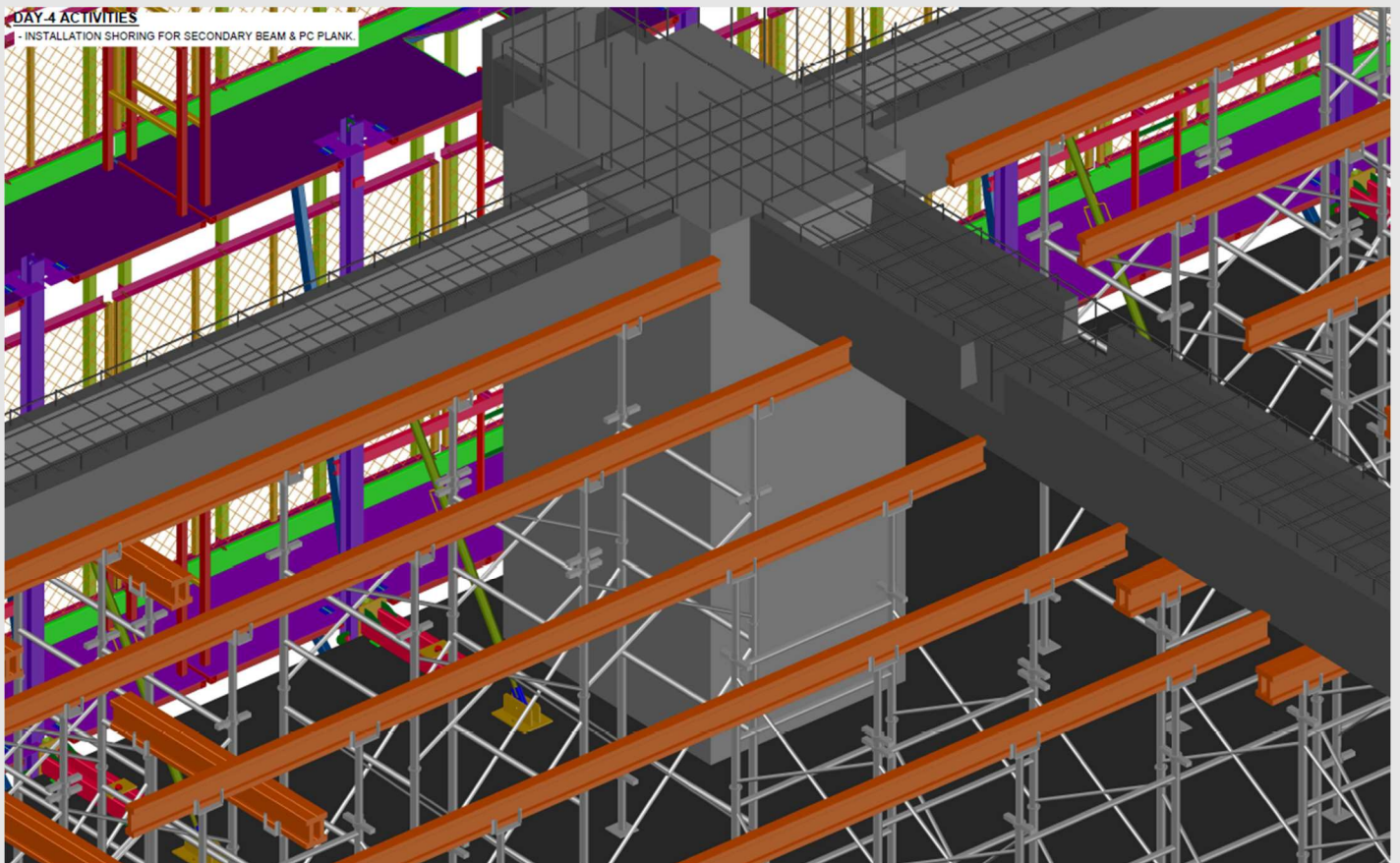
Example 01: Construction Activity Sequence for Casting of Column with PC Beam(Sandwich Type). (Stage-04)



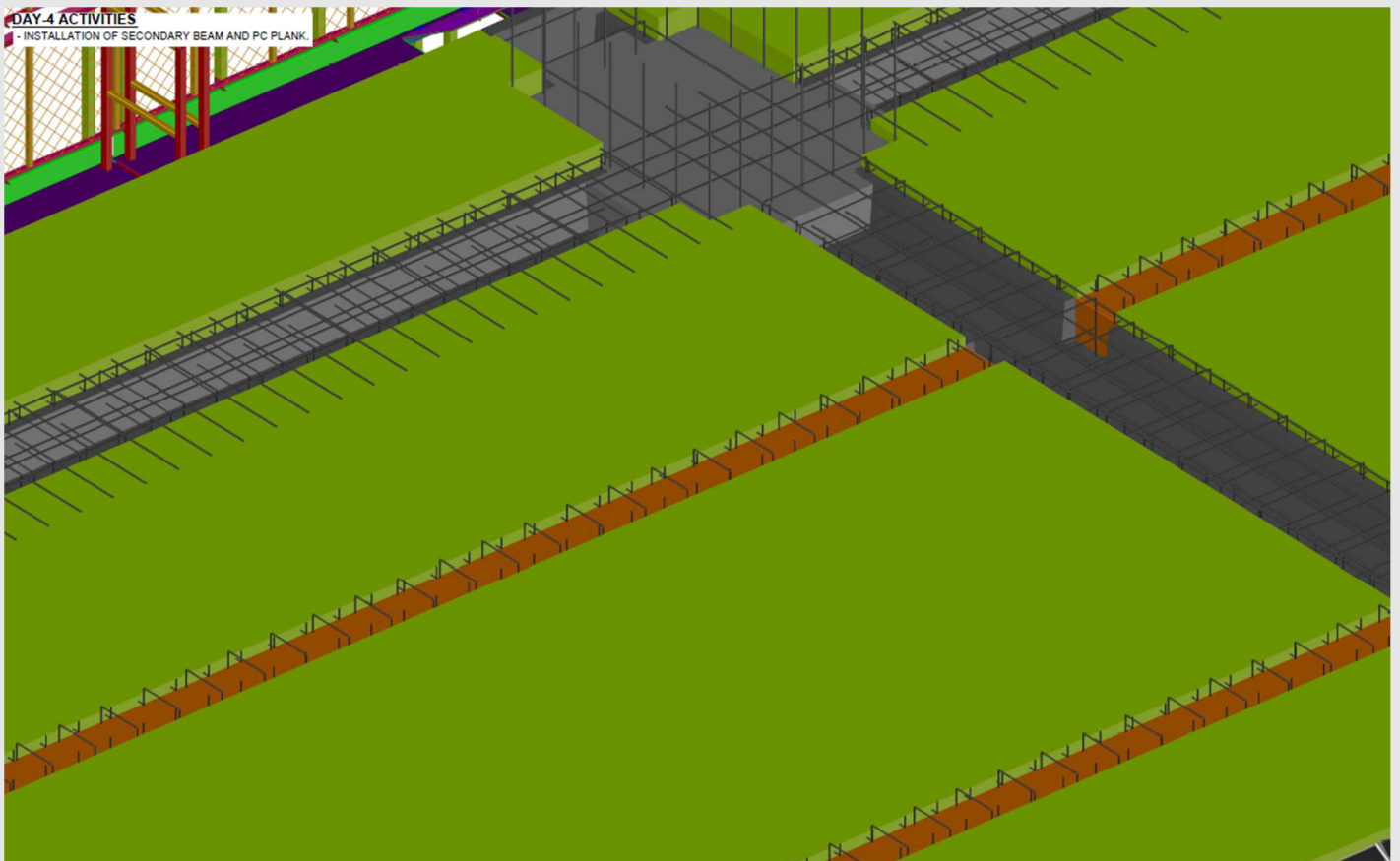
Example 01: Construction Activity Sequence for Casting of Column with PC Beam(Sandwich Type). (Stage-05)



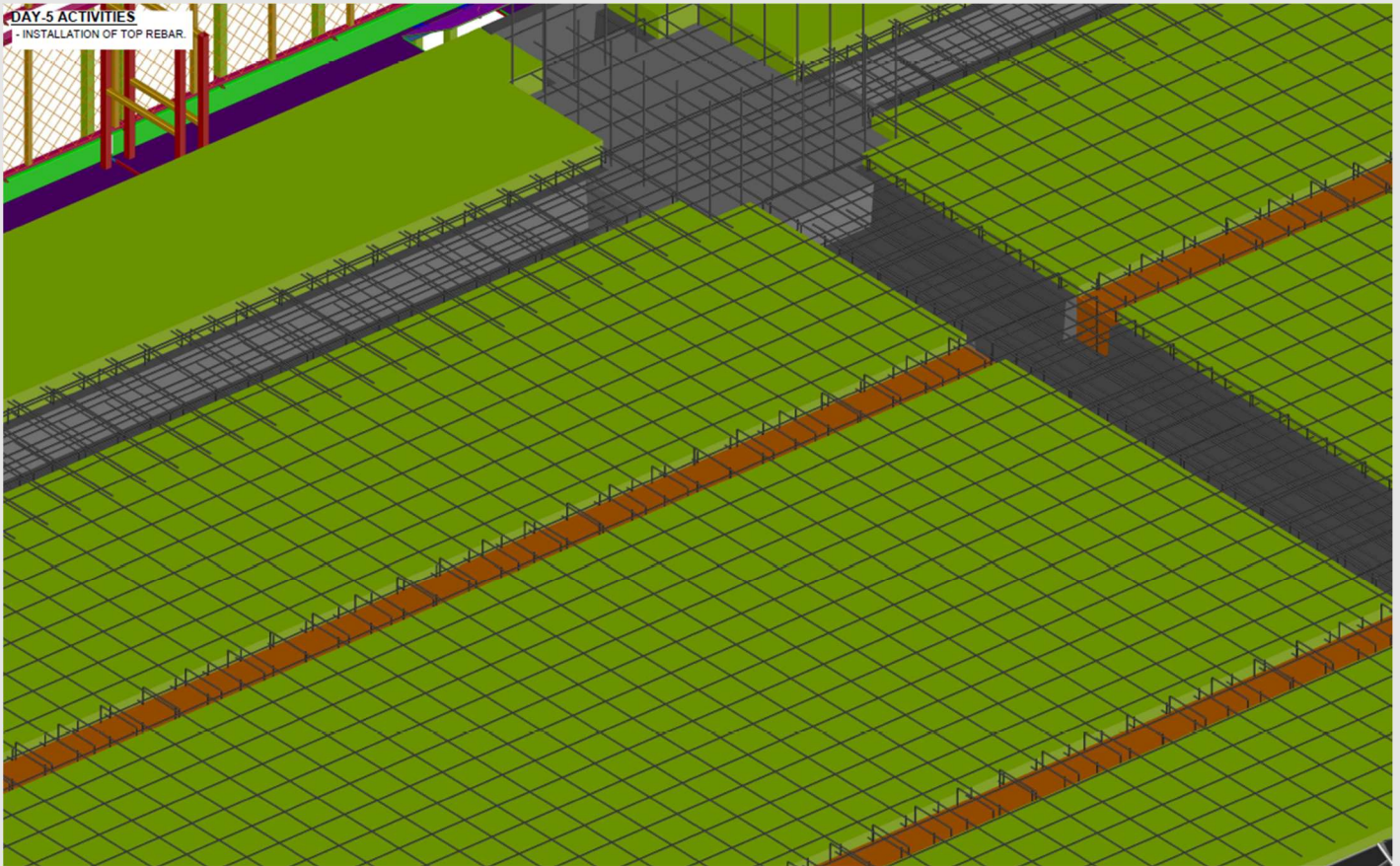
Example 01: Construction Activity Sequence for Casting of Column with PC Beam(Sandwich Type). (Stage-06)



Example 01: Construction Activity Sequence for Casting of Column with PC Beam(Sandwich Type). (Stage-07)



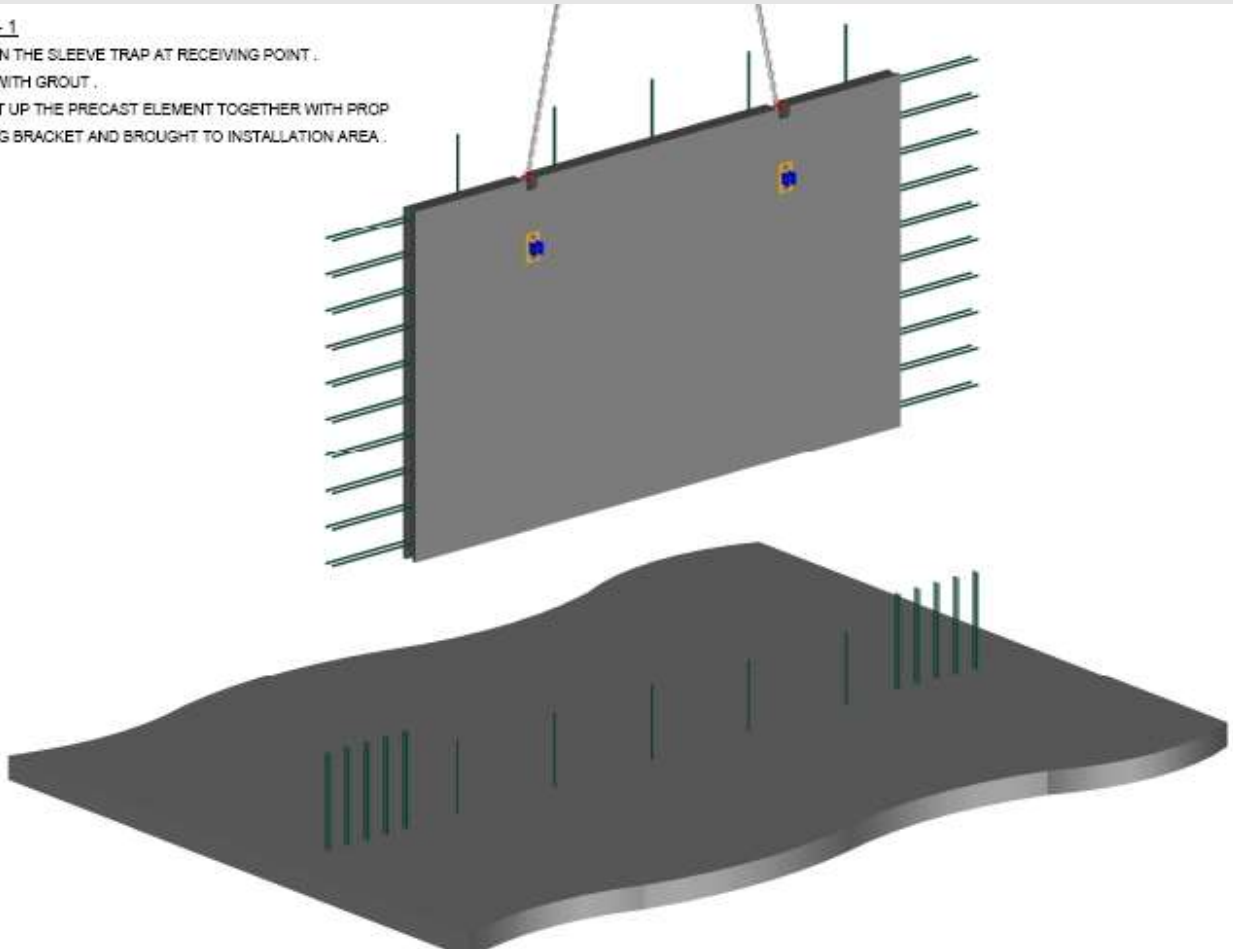
Example 01: Construction Activity Sequence for Casting of Column with PC Beam(Sandwich Type). (Stage-08)



Example 01: Construction Activity Sequence for Installation of Precast Wall.(Stage-01)

STAGE - 1

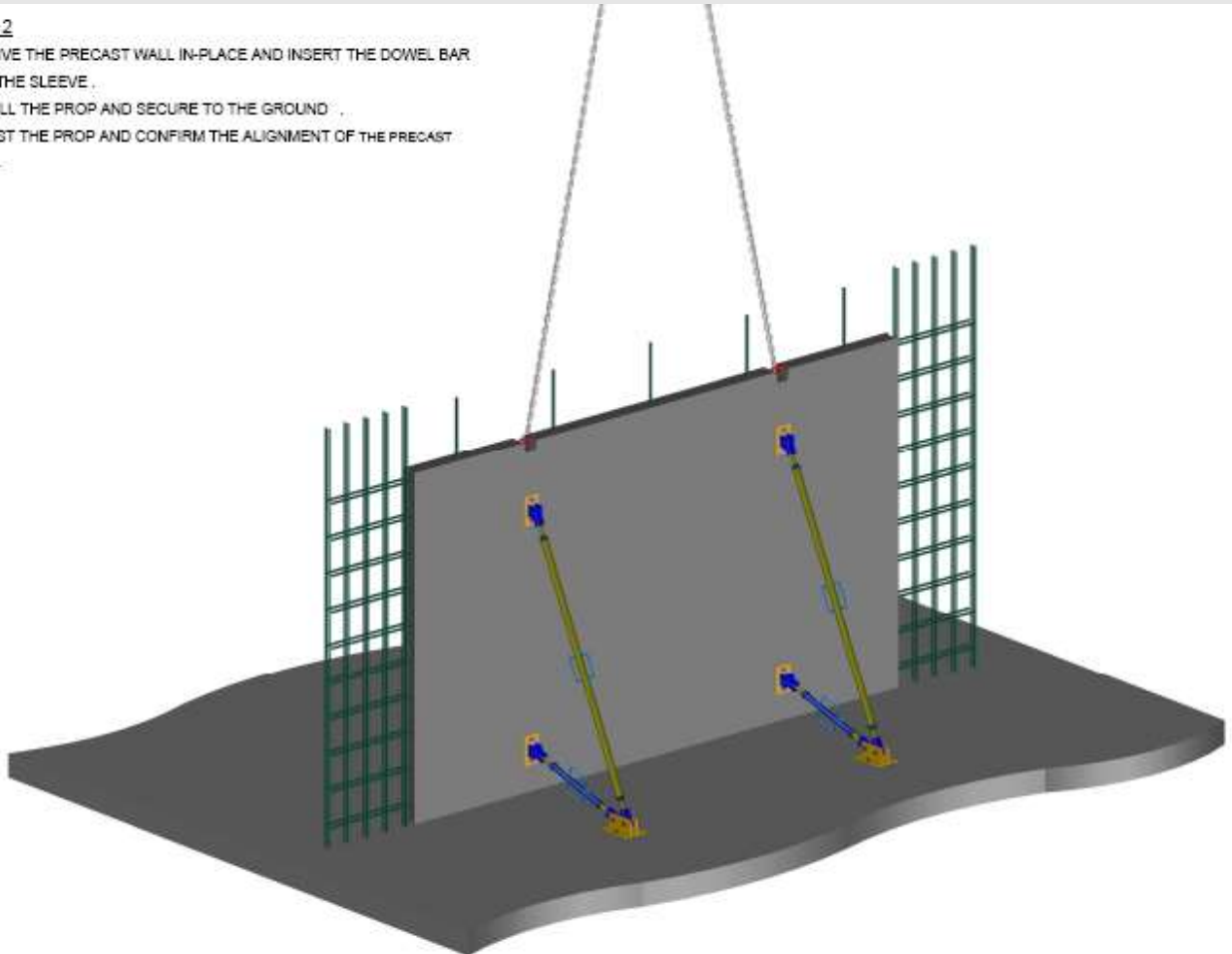
- CLEAN THE SLEEVE TRAP AT RECEIVING POINT .
- FILL WITH GROUT .
- HOIST UP THE PRECAST ELEMENT TOGETHER WITH PROP FIXING BRACKET AND BROUGHT TO INSTALLATION AREA .



Example 01: Construction Activity Sequence for Installation of Precast Wall.(Stage-02)

STAGE -2

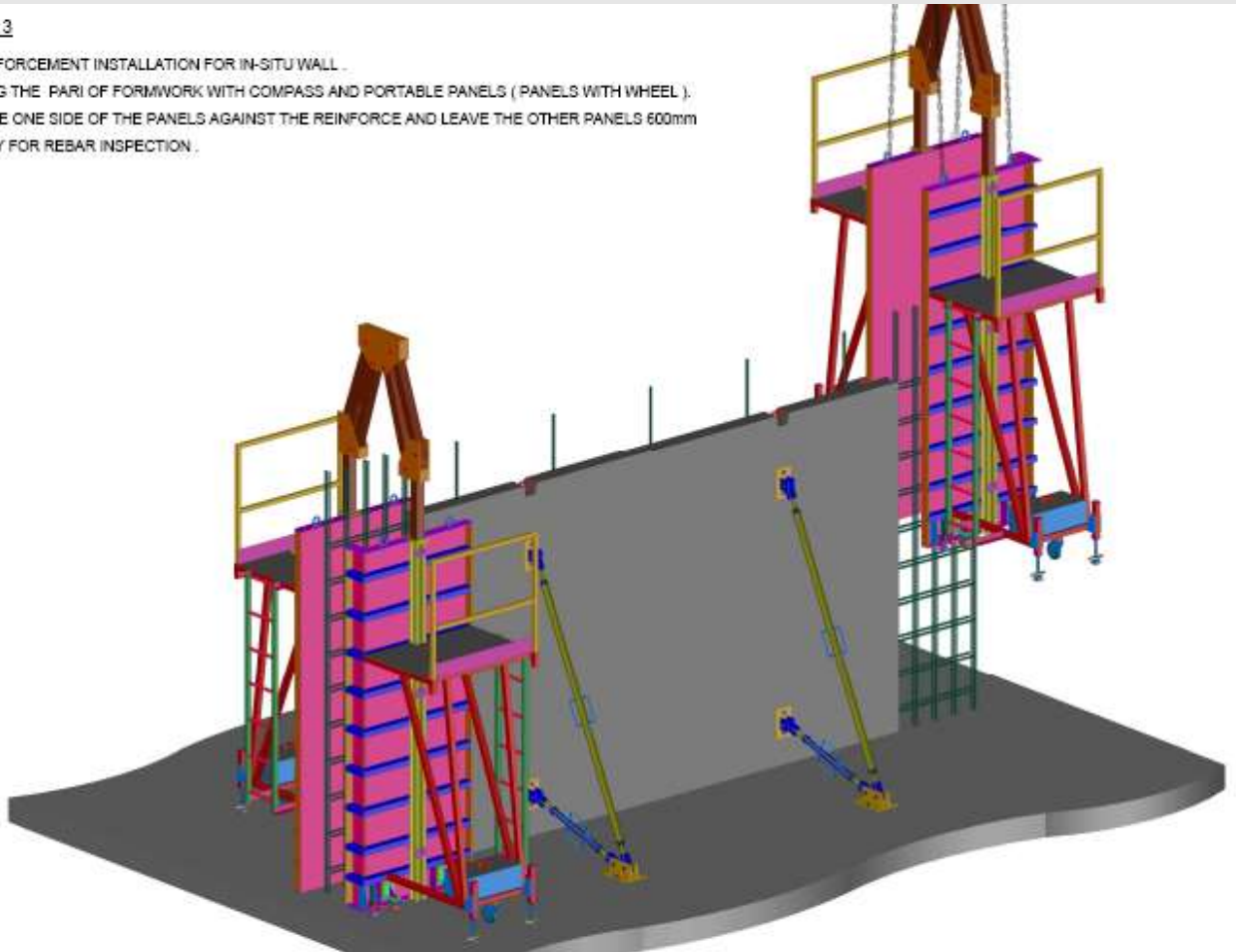
- RECEIVE THE PRECAST WALL IN-PLACE AND INSERT THE DOWEL BAR INTO THE SLEEVE .
- INSTALL THE PROP AND SECURE TO THE GROUND .
- ADJUST THE PROP AND CONFIRM THE ALIGNMENT OF THE PRECAST WALL .



Example 01: Construction Activity Sequence for Installation of Precast Wall.(Stage-03)

STAGE - 3

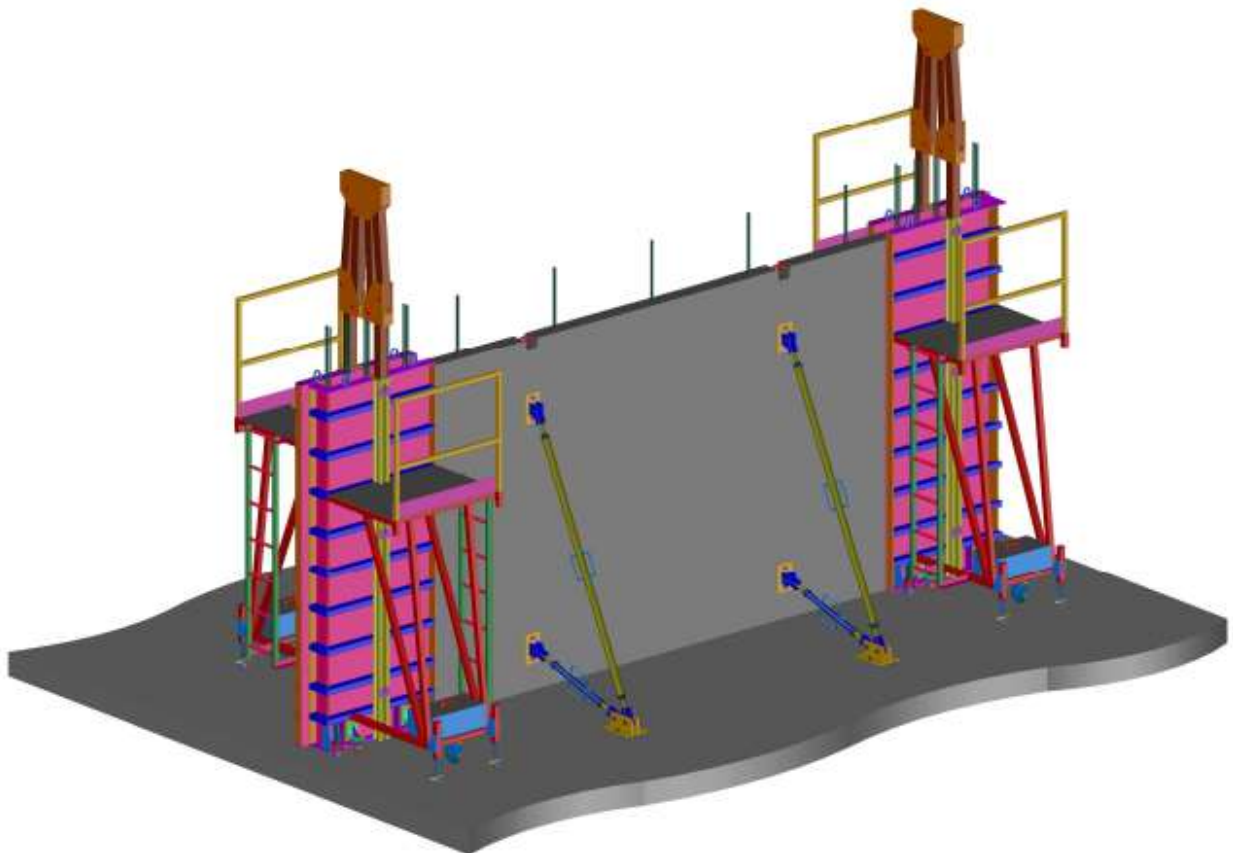
- REINFORCEMENT INSTALLATION FOR IN-SITU WALL .
- BRING THE PART OF FORMWORK WITH COMPASS AND PORTABLE PANELS (PANELS WITH WHEEL).
- PLACE ONE SIDE OF THE PANELS AGAINST THE REINFORCE AND LEAVE THE OTHER PANELS 600mm AWAY FOR REBAR INSPECTION .



Example 01: Construction Activity Sequence for Installation of Precast Wall.(Stage-04)

STAGE -4

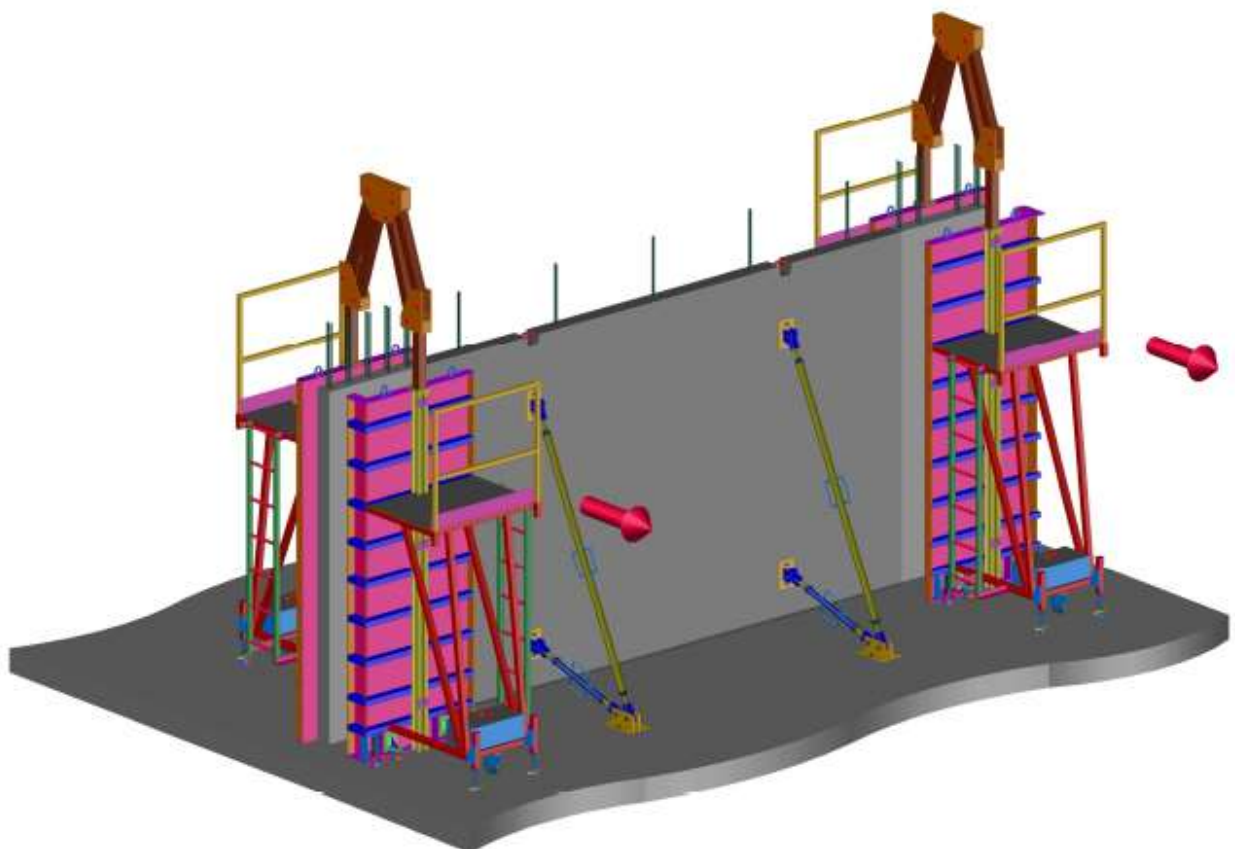
- UPON COMPLETION OF INSPECTION CLOSE THE PORTABLE PANELS USING CROWBAR .
- POURING OF WALL .



Example 01: Construction Activity Sequence for Installation of Precast Wall.(Stage-05)

STAGE - 5

REMOVAL OF FORMWORK (ONE FULL SET COMPLETELY WITH COMPASS)



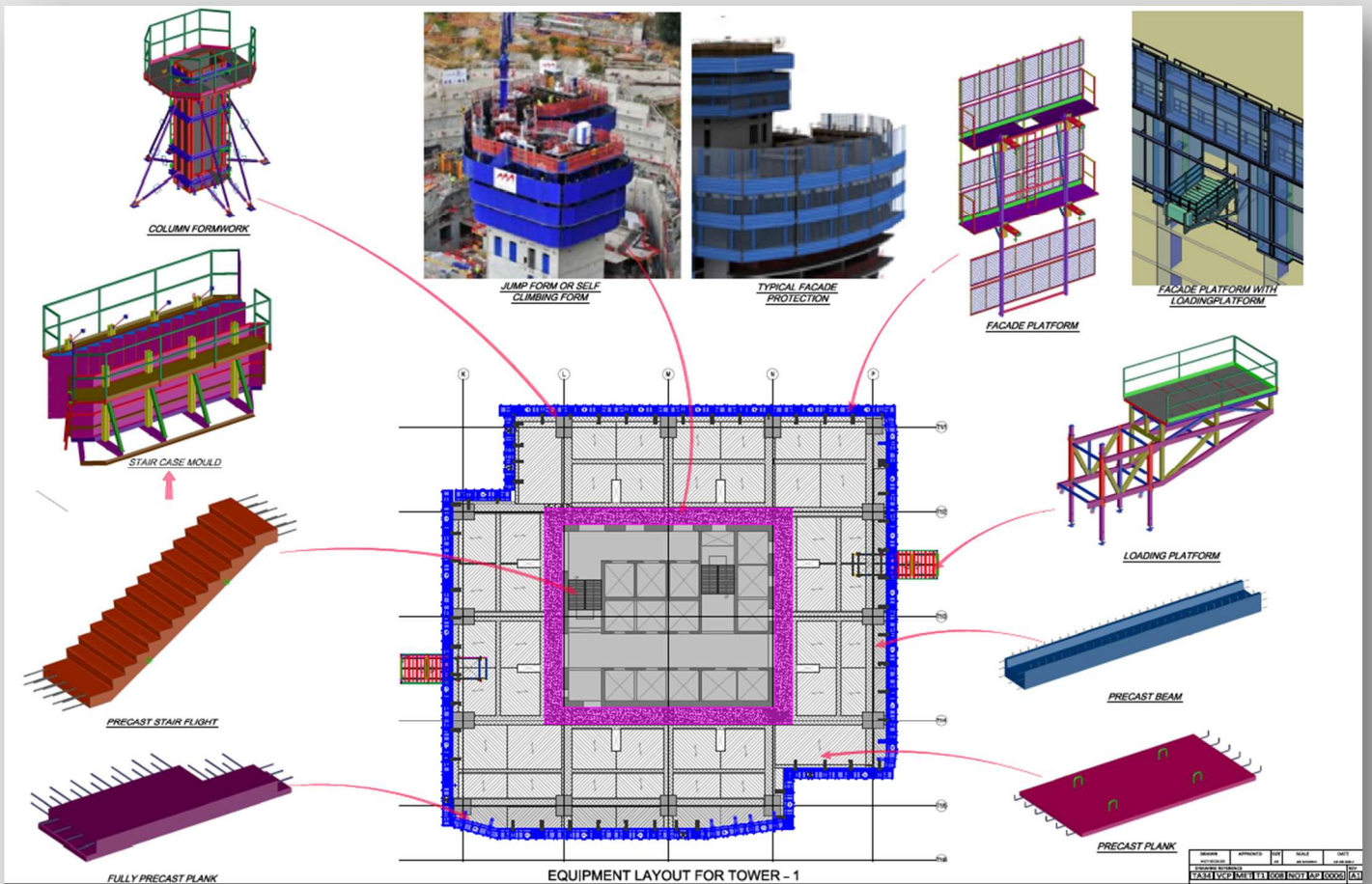
Today lot of new advanced technologies have been keep on invented in Construction Equipments and Machineries to overcome the difficult and different architectural designs in this modern world. We analyze lot and select the perfect suitable construction Equipments and Machineries for various type of structure construction. If not we will invent the new Equipments and Machineries. Adjustable Column Formworks and PC Beam Moulds were designed by us to reuse the same panels for different sizes of structure at maximum limit.

Our main agenda is to reduce the construction time and to reduce the man power/ machinery power involving in work. In all the workouts , Safety is our main concern. We design and produce a Fabrication Drawings for Formworks and Platforms. It will be very easy for Fabricators to fabricate, precisely. We design and produce the Shoring Arrangement documents which incorporates the Timber and Plywood details, also. Some models of Formworks and Platforms have been given here.

“ Selection of Choices is the selection of Success”

Equipment Layout

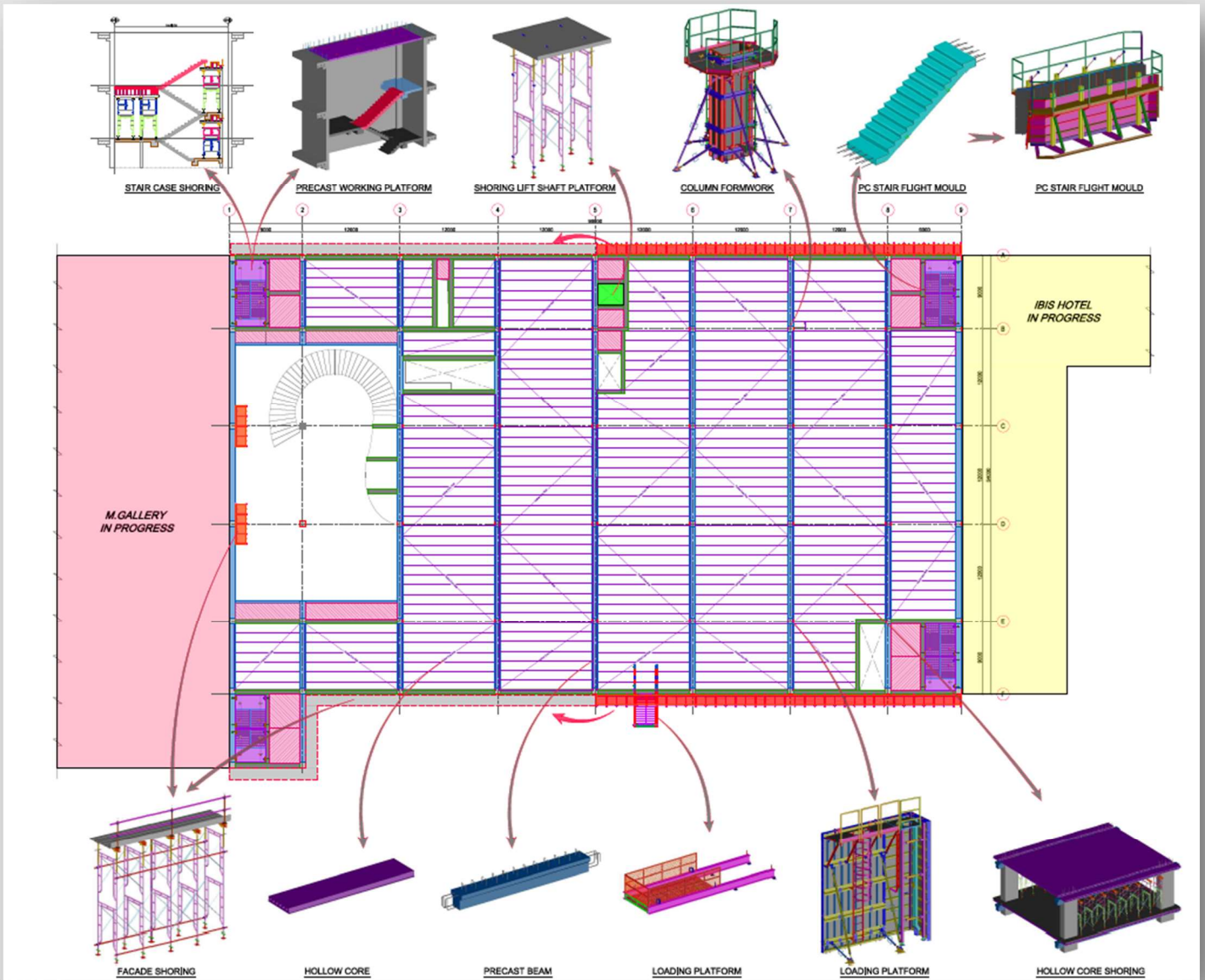
Example 01: TA Tower, Kuala Lumpur, Malaysia.



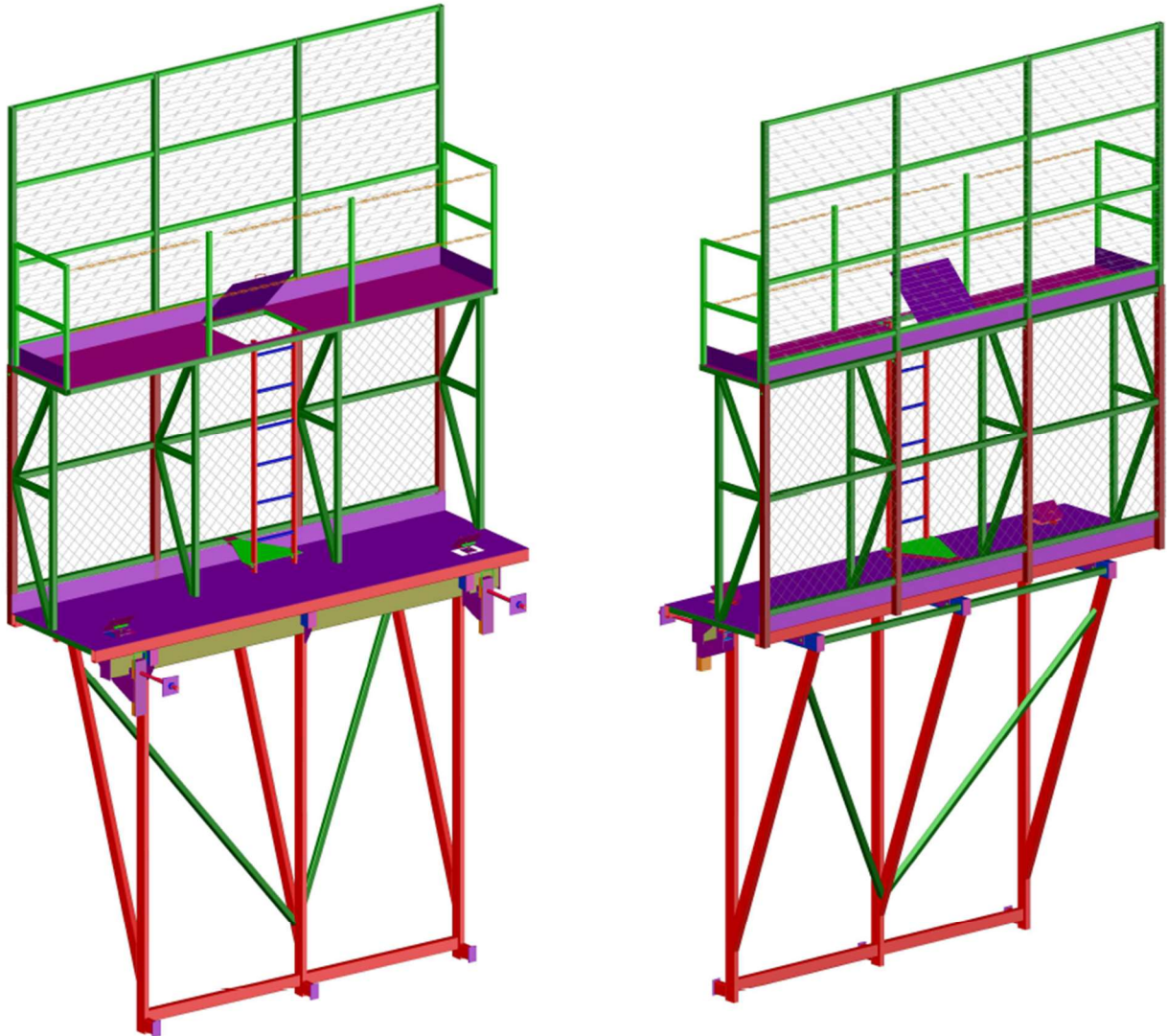
Equipment Layout describes the types of Equipments we are using in Project.

Equipment Layout

Example 02: King's Harbor integrated resort,
Cambodia.

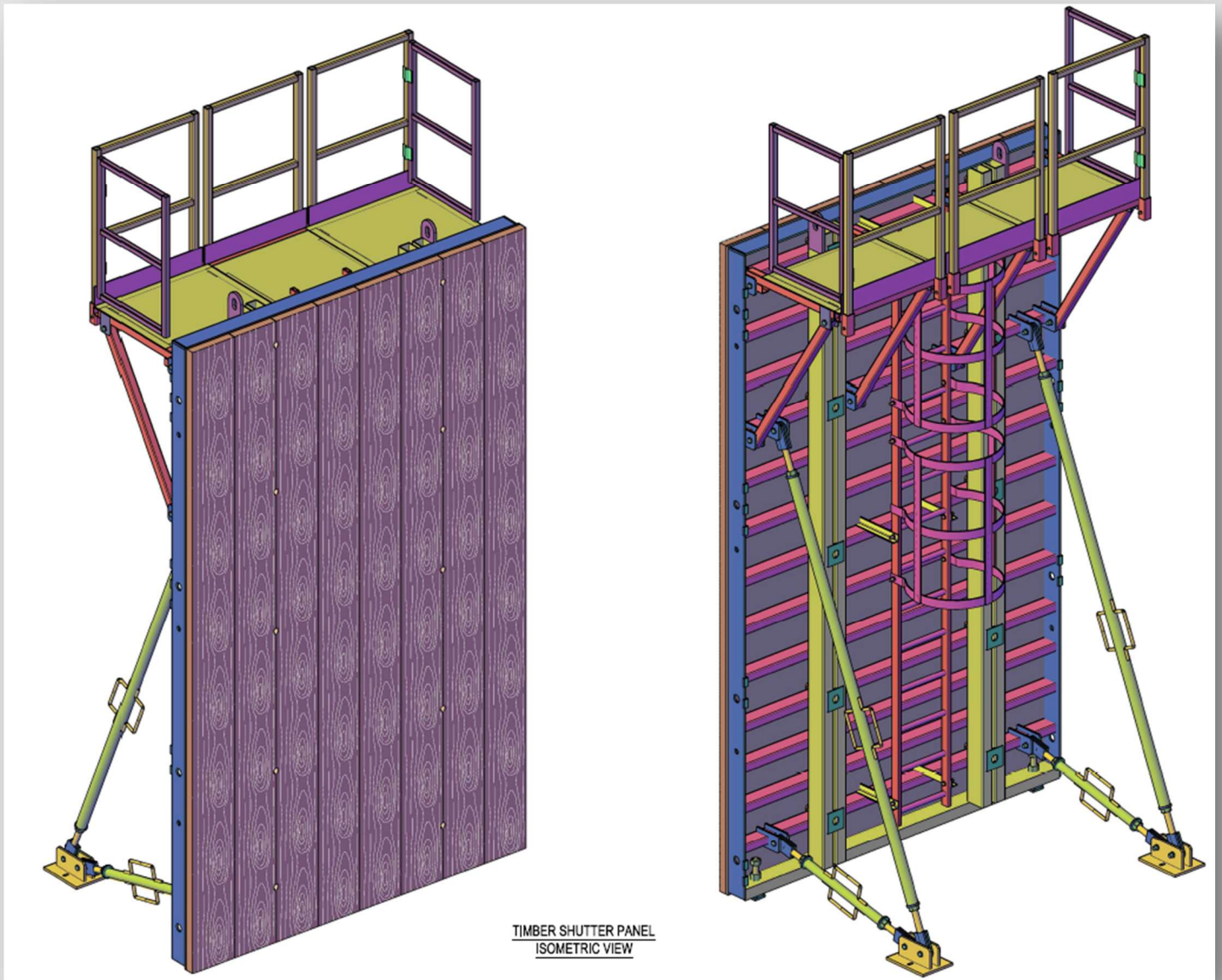


Double Level Working Platform



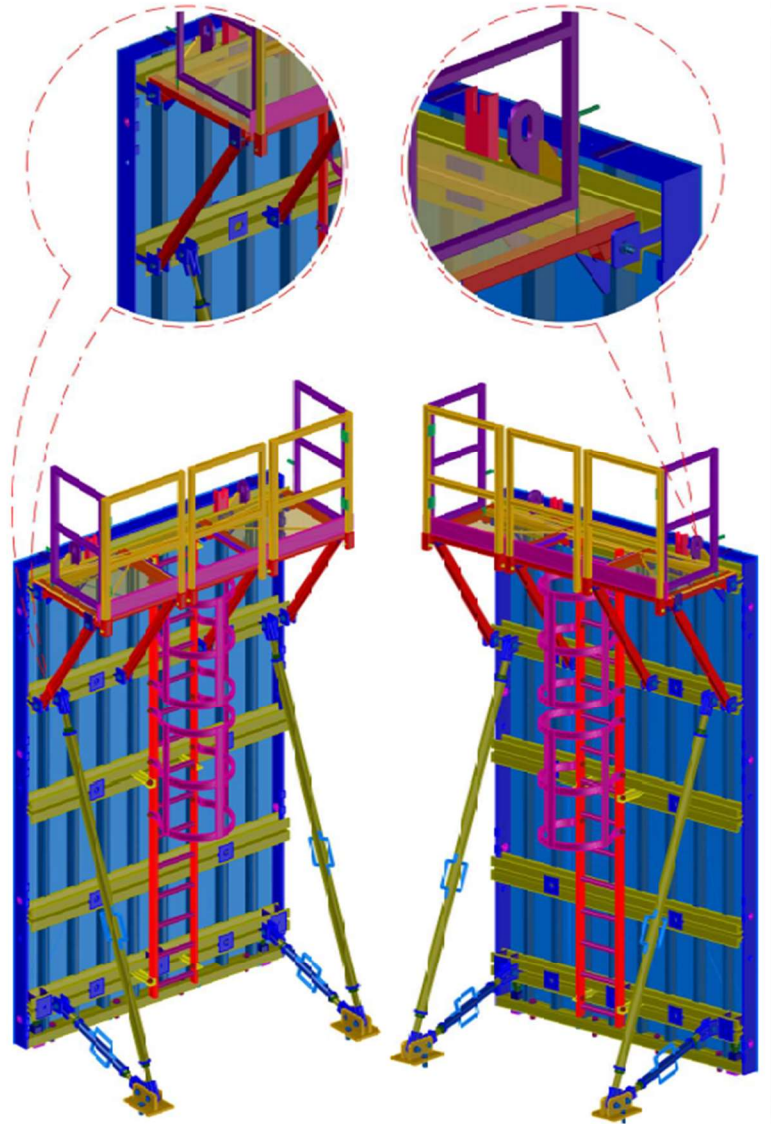
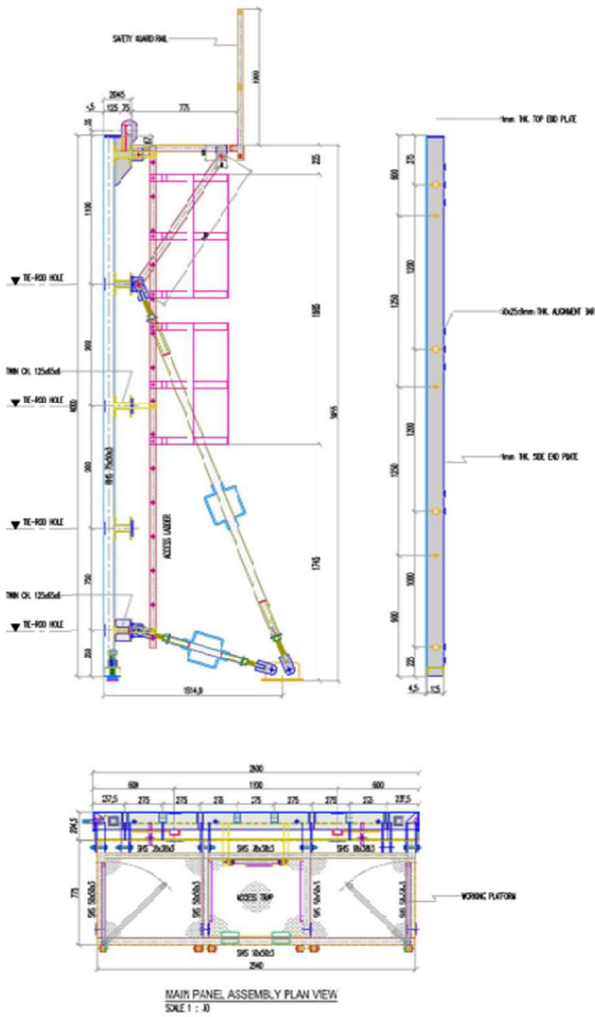
TWO LEVEL PLATFORM [TYPE - 1] ASSEMBLY VIEW

2400mm Timber Shutter Panel

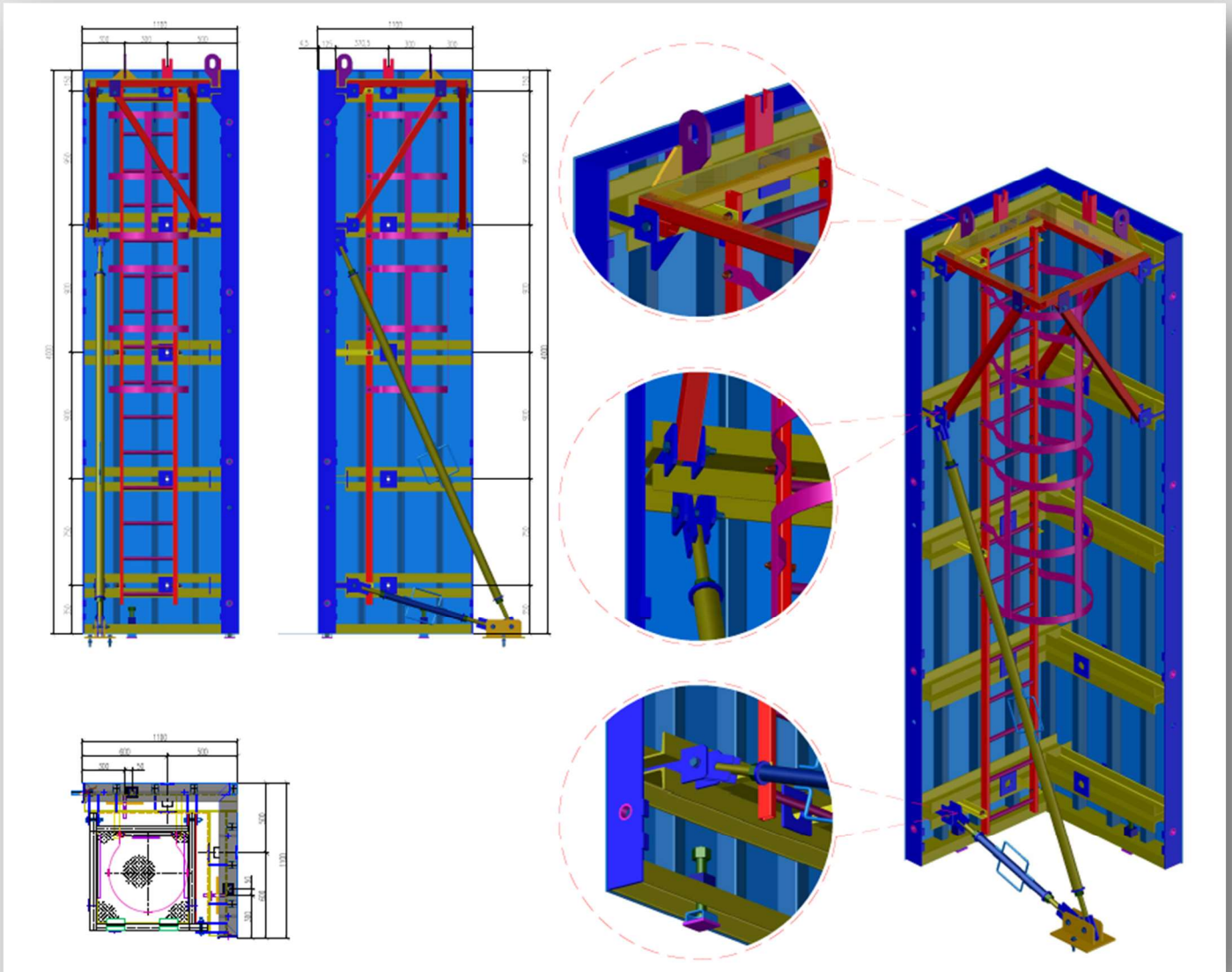


2400mm Timber Shutter Panel

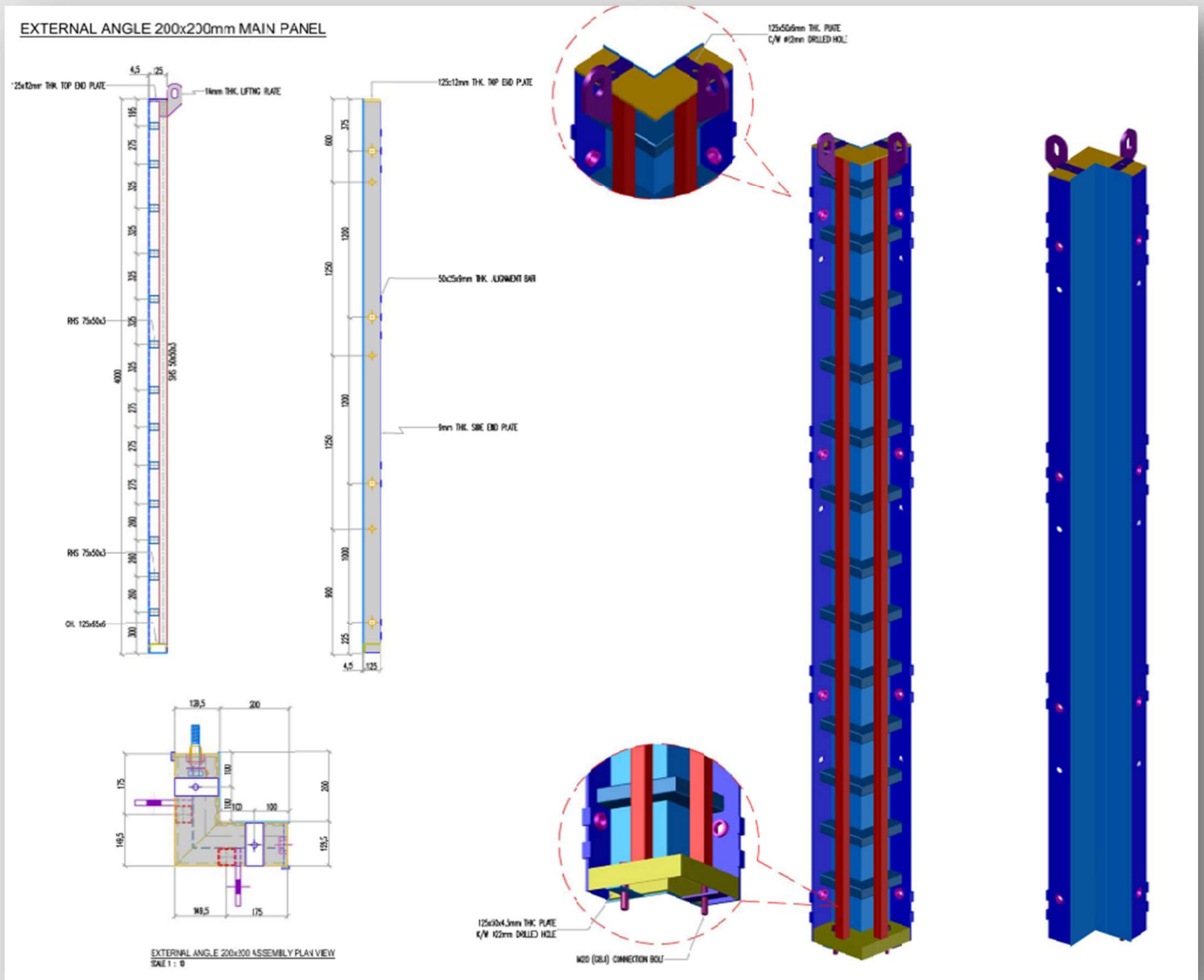
2400mm MAIN SHUTTER PANEL



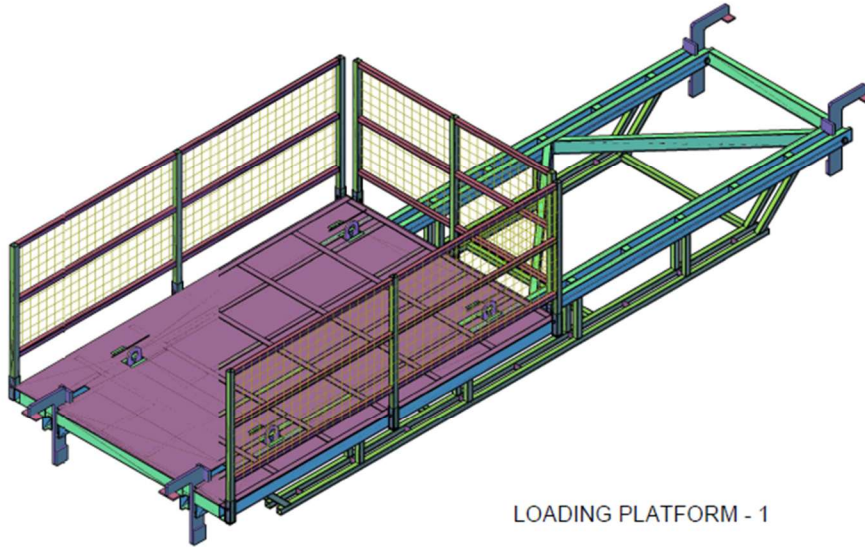
Internal Shutter Panel



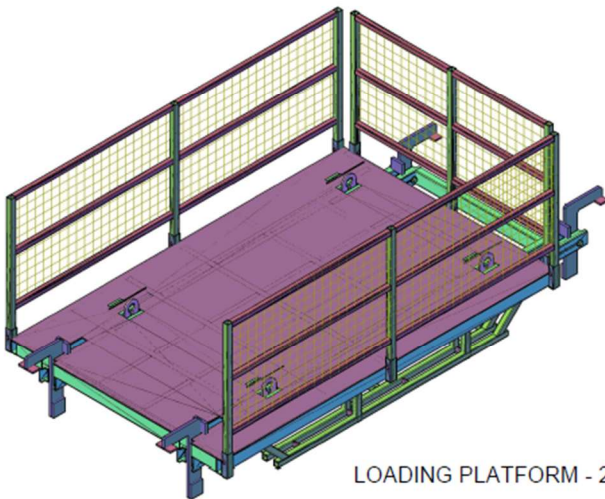
External Shutter Panel



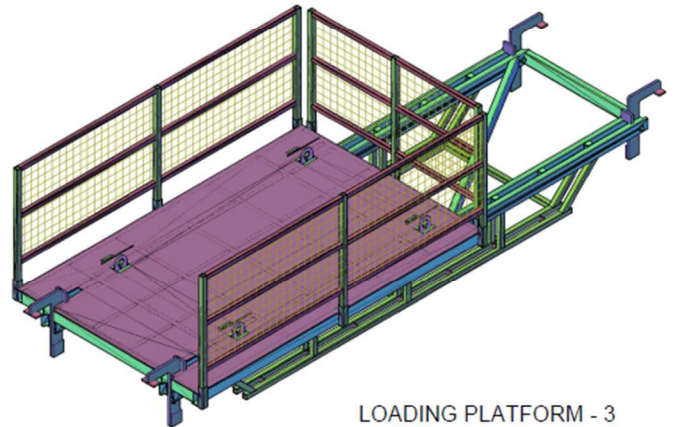
Loading Platform



LOADING PLATFORM - 1

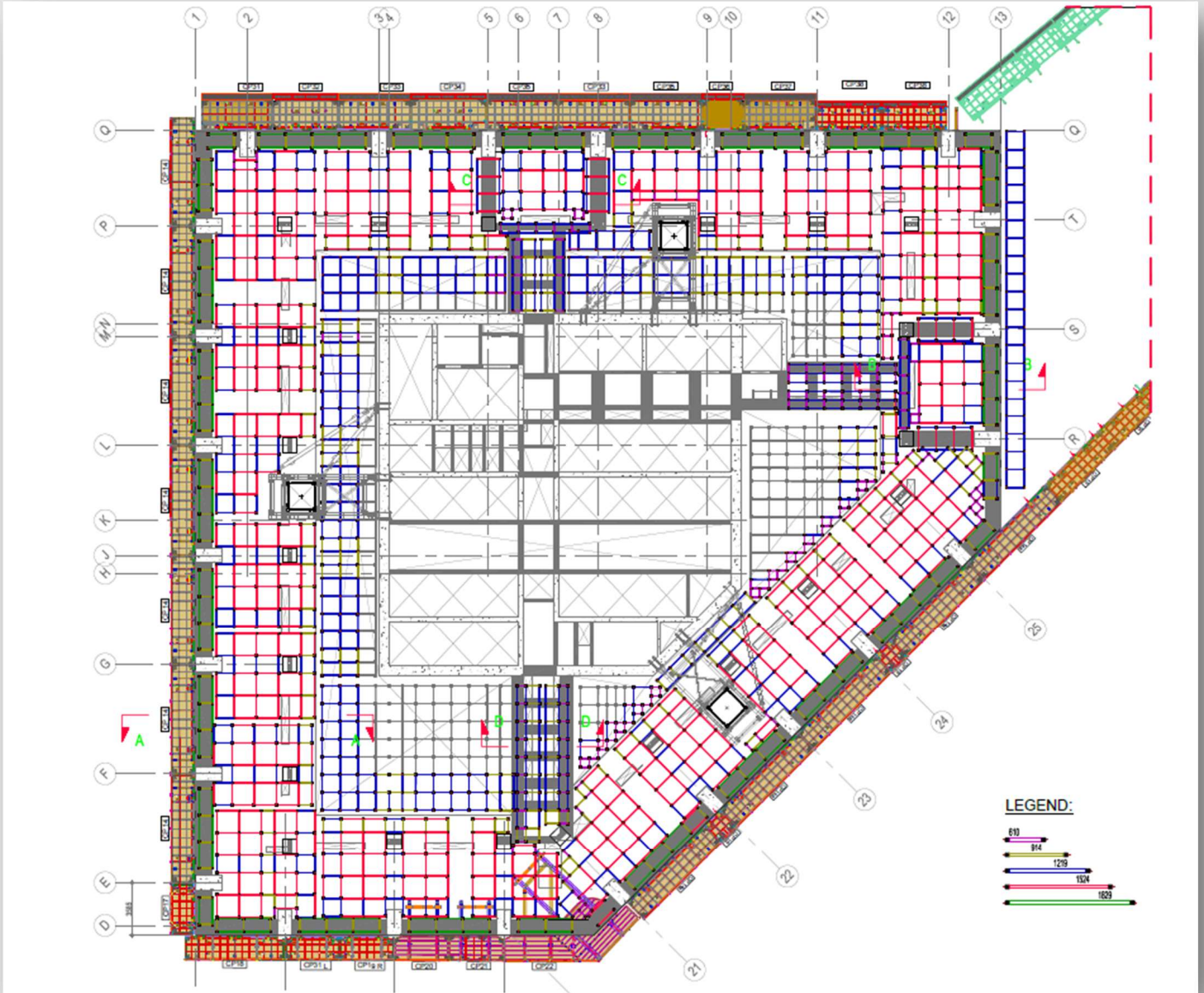


LOADING PLATFORM - 2

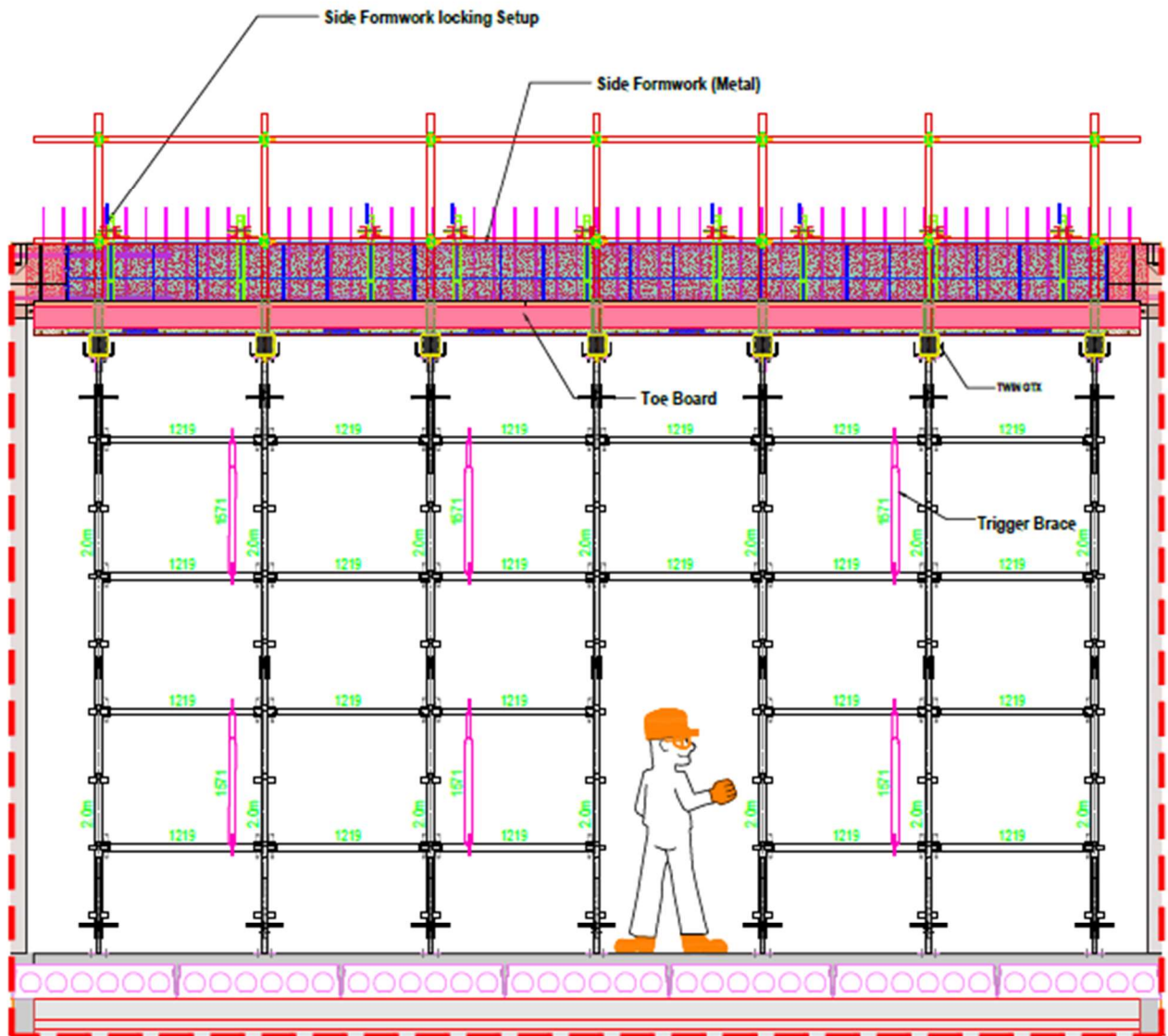


LOADING PLATFORM - 3

Shoring Arrangement



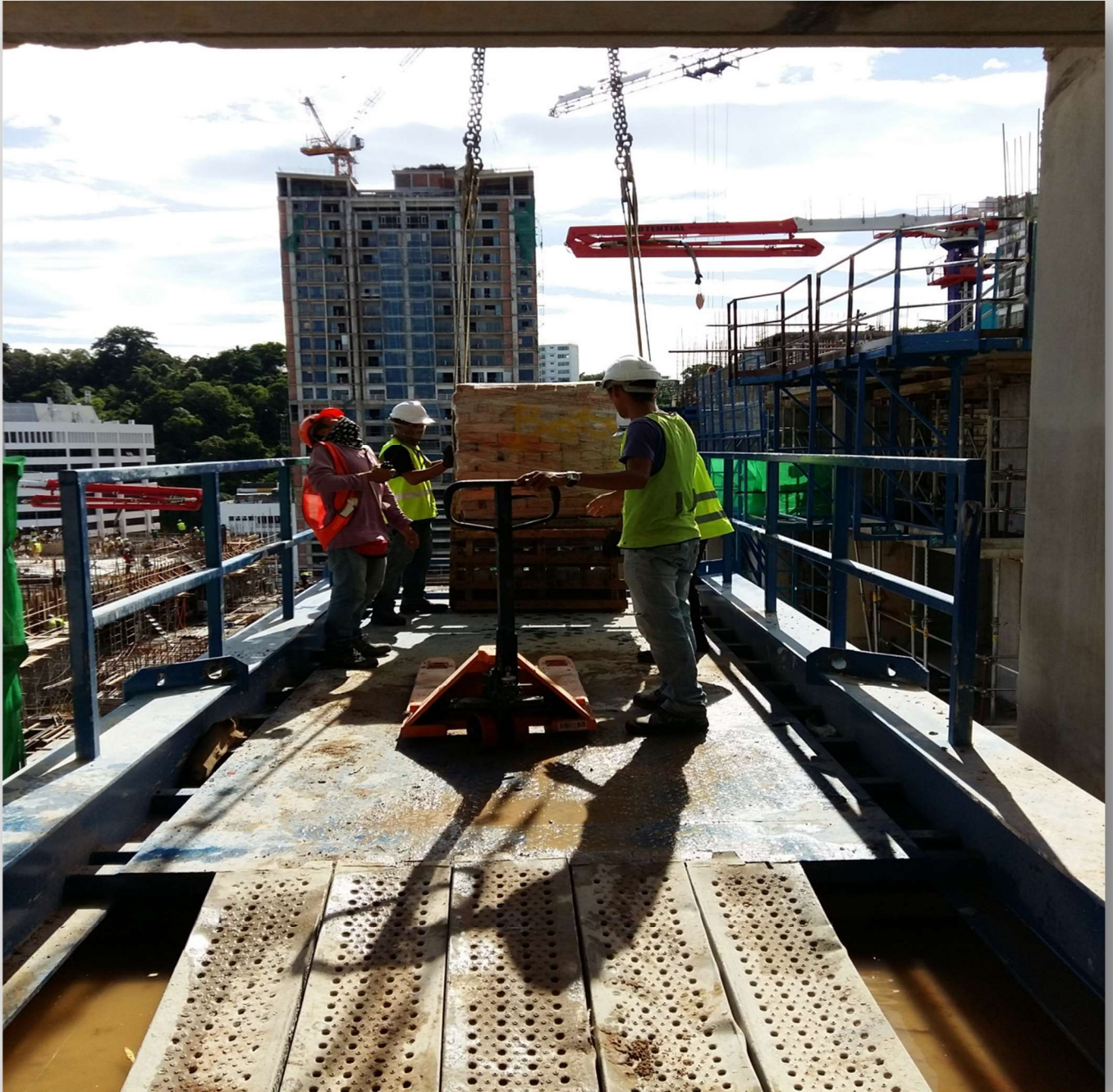
Shoring Arrangement



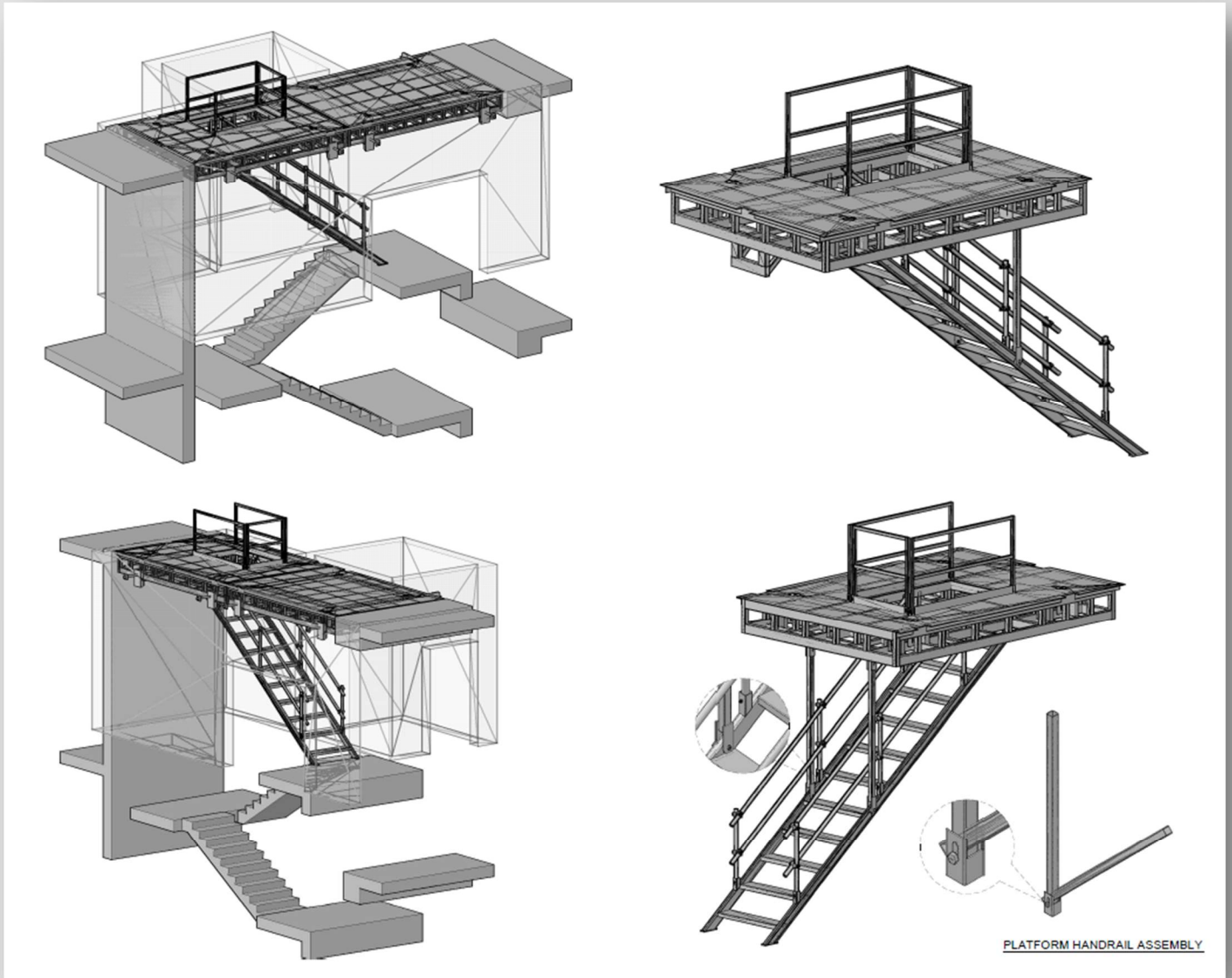
Loading Platform



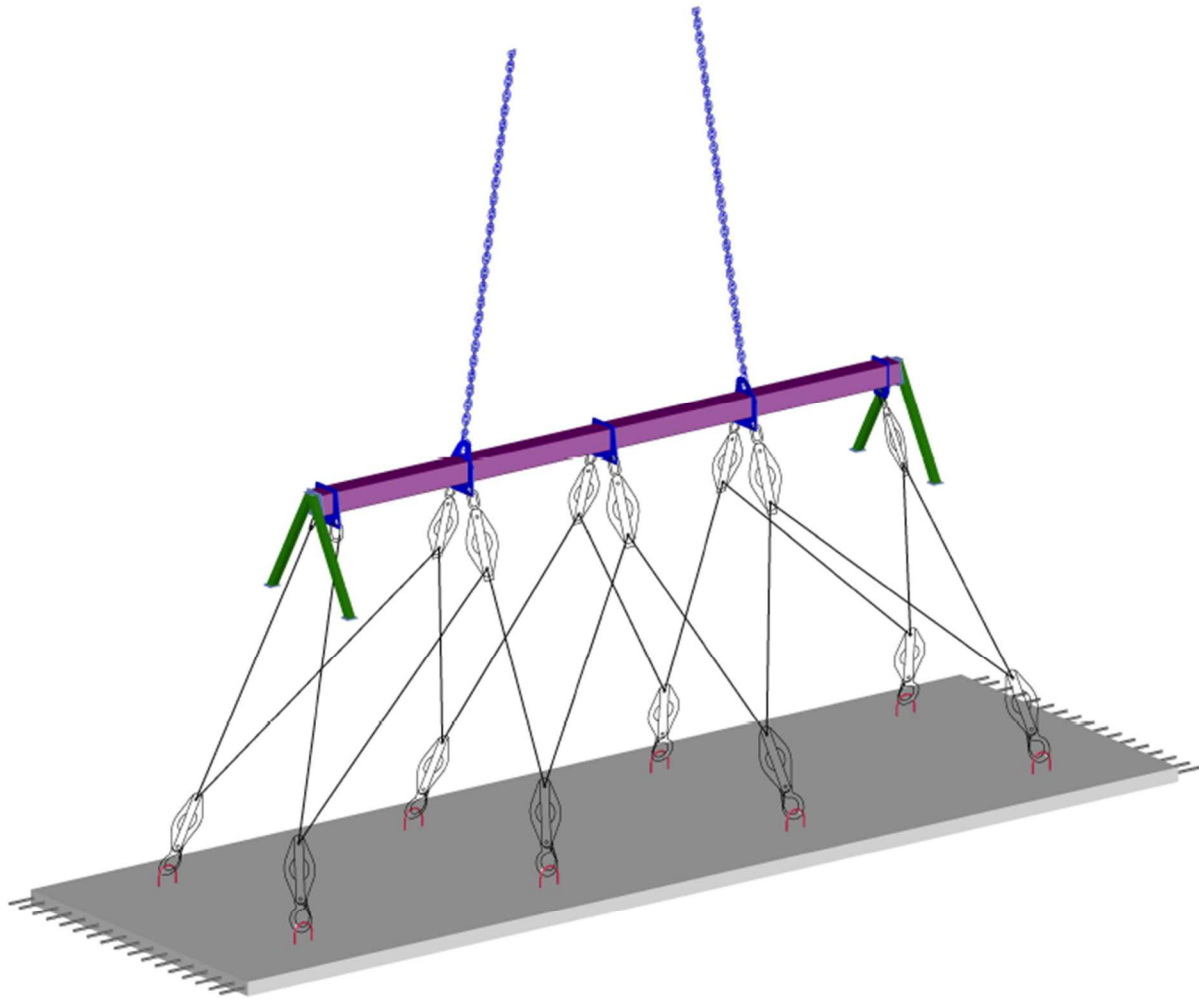
Loading Platform



Staircase Working Platform



Precast Plank Lifting Frame



LIFTING FRAME ISOMETRIC VIEW

Lift Shaft Platform



Column Formwork



Column Formwork



Shutter Panel for Wall



Cantilever Platform



Safety Equipments – Façade Safety Net



Precast Balcony Mould



Precast Balcony Mould



Precast C-Shaped Canopy Mould



Precast C-Shaped Canopy Mould



Precast Staircase Mould

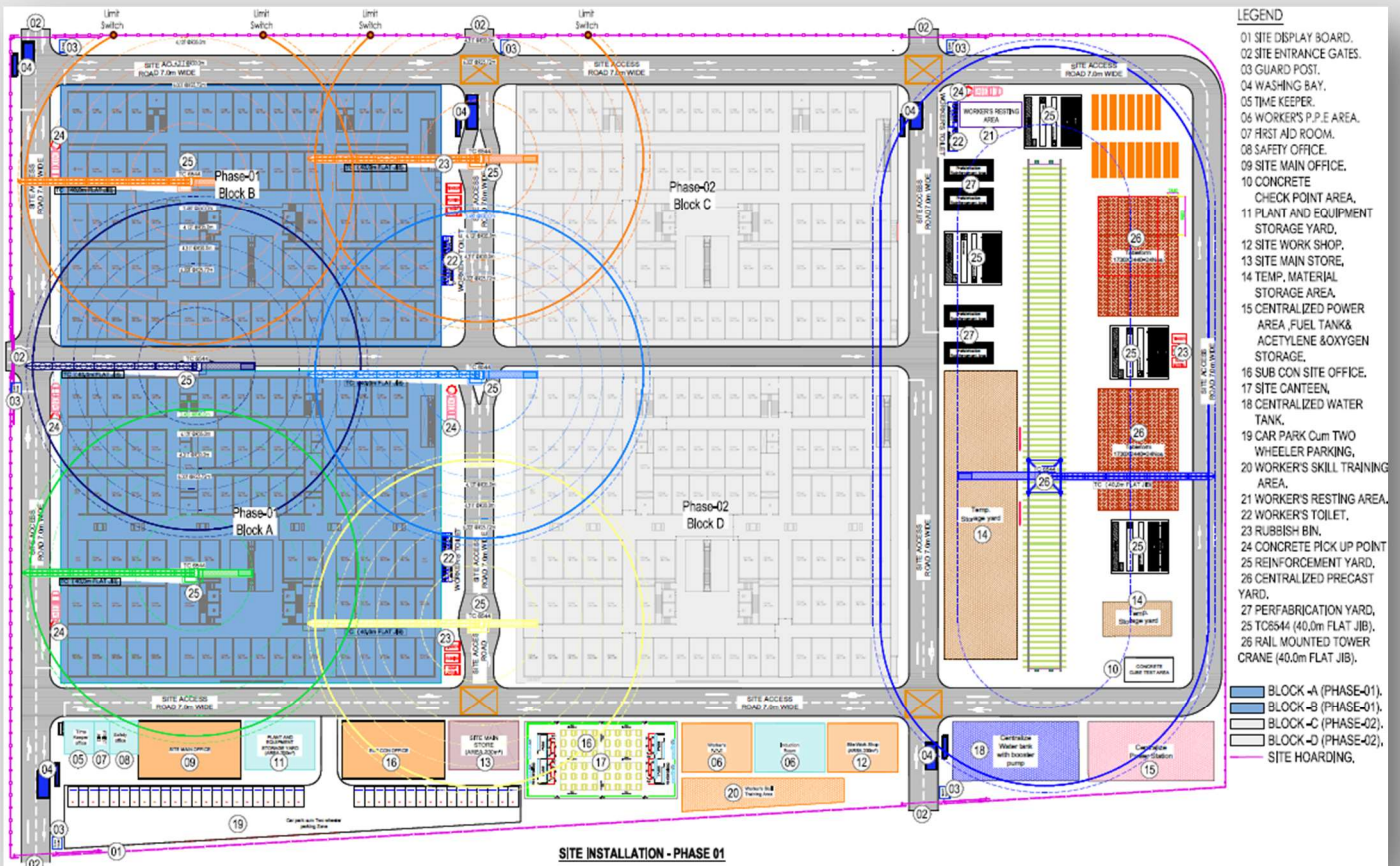


Shoring Arrangement



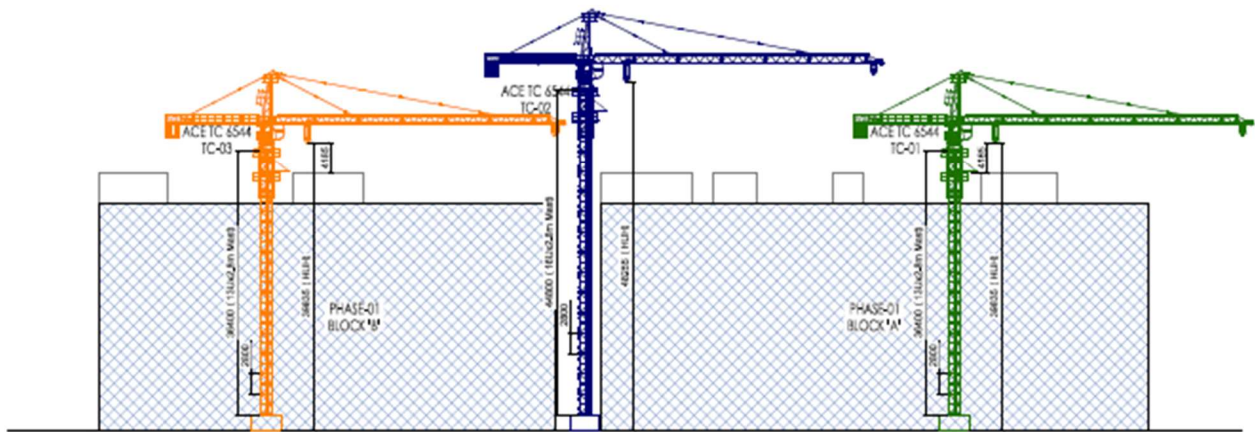
Tower Crane Layout

Example 01: VBR Business Park, Vijayawada, India.

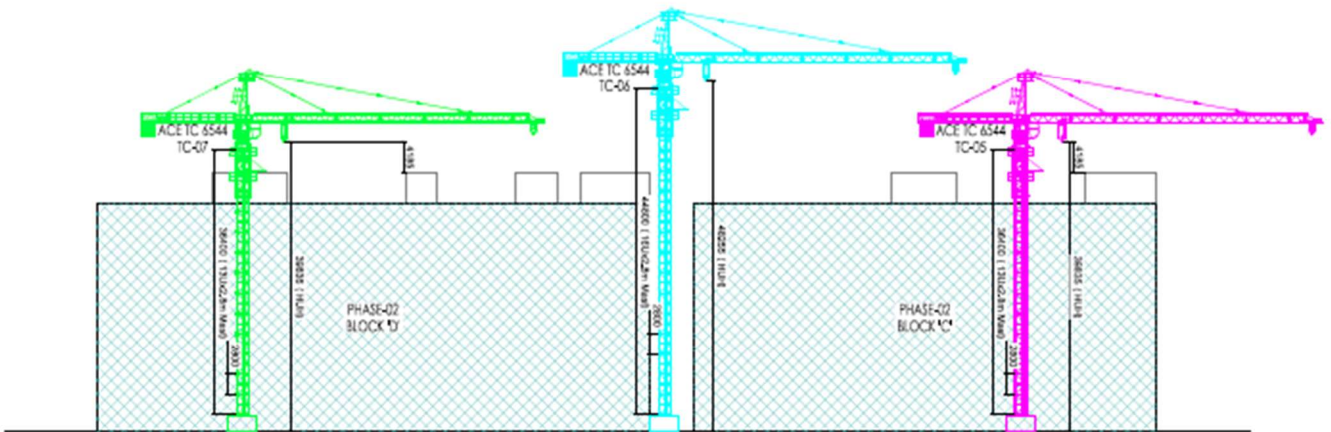


Tower Crane Section

Example 01: VBR Business Park, Vijayawada, India.



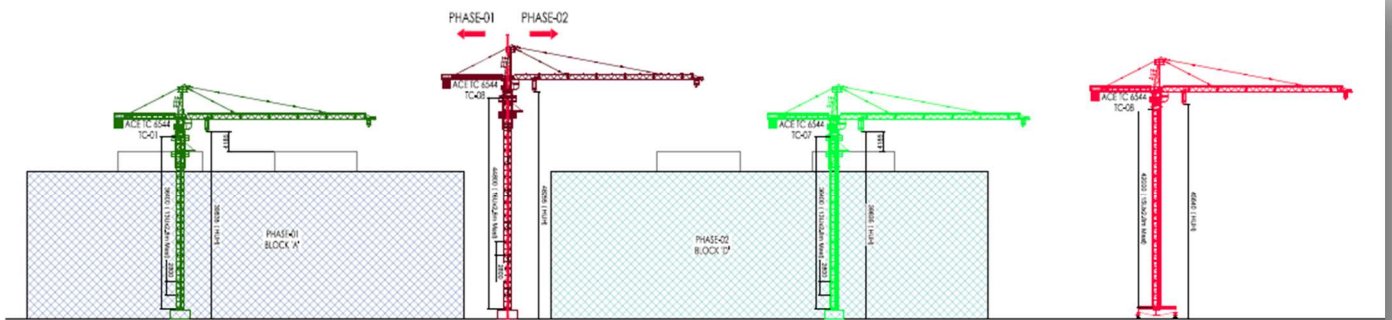
TOWER CRANE ELEVATION NORTH VIEW



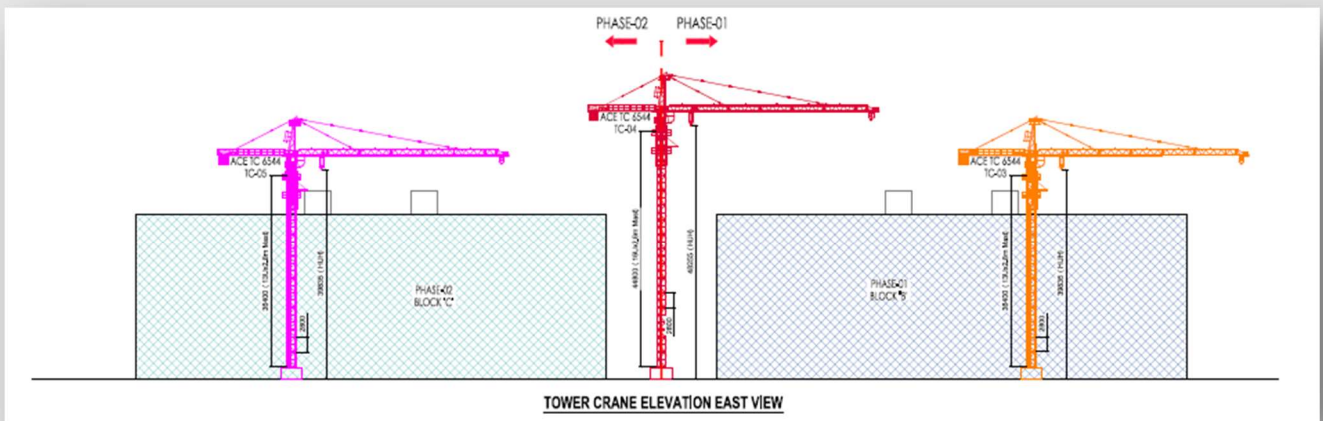
TOWER CRANE ELEVATION SOUTH VIEW

Tower Crane Section

Example 01: VBR Business Park, Vijayawada, India.



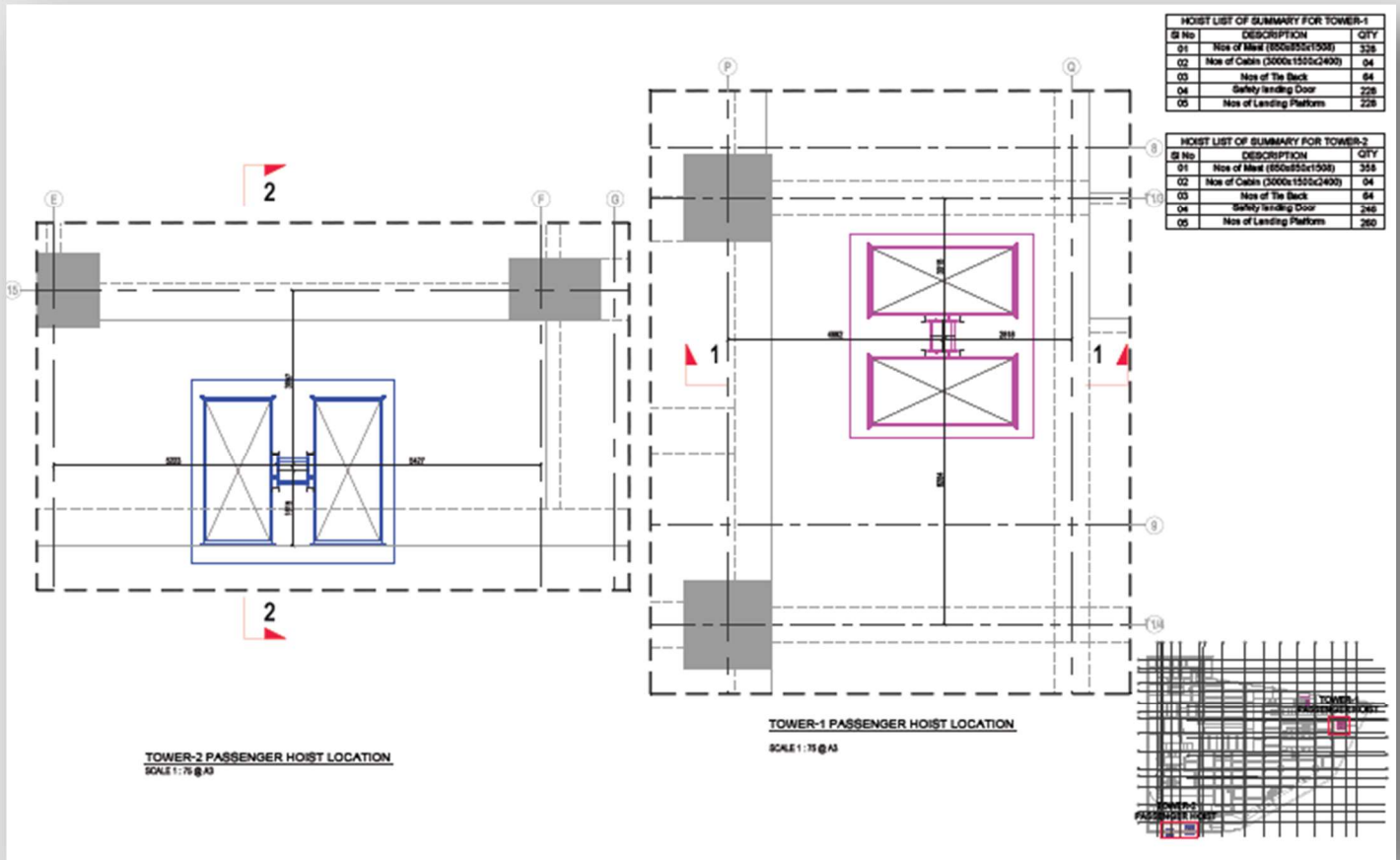
TOWER CRANE ELEVATION WEST VIEW



TOWER CRANE ELEVATION EAST VIEW

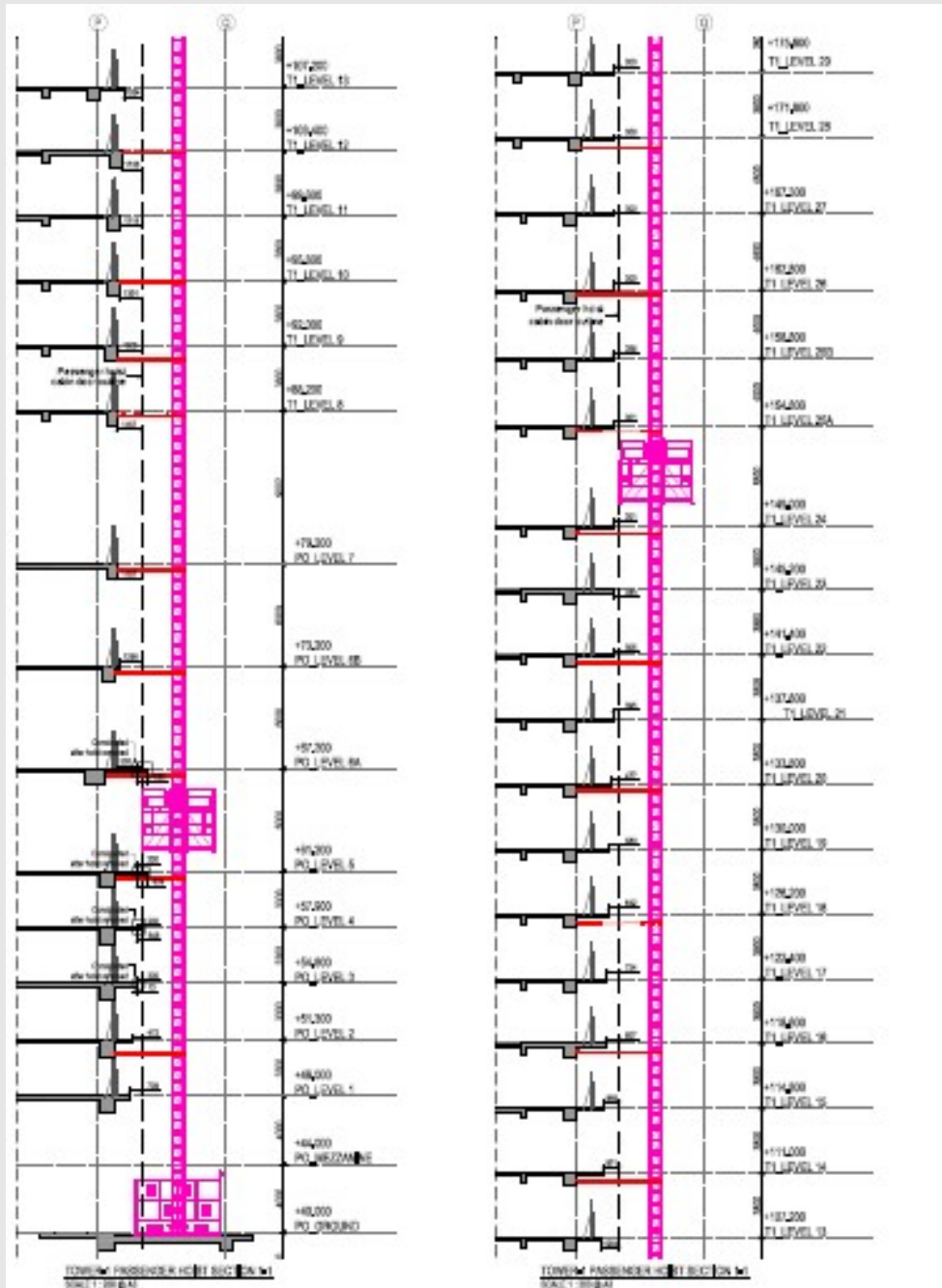
Passenger Hoist

Example 01: TA Tower, Kuala Lumpur, Malaysia.



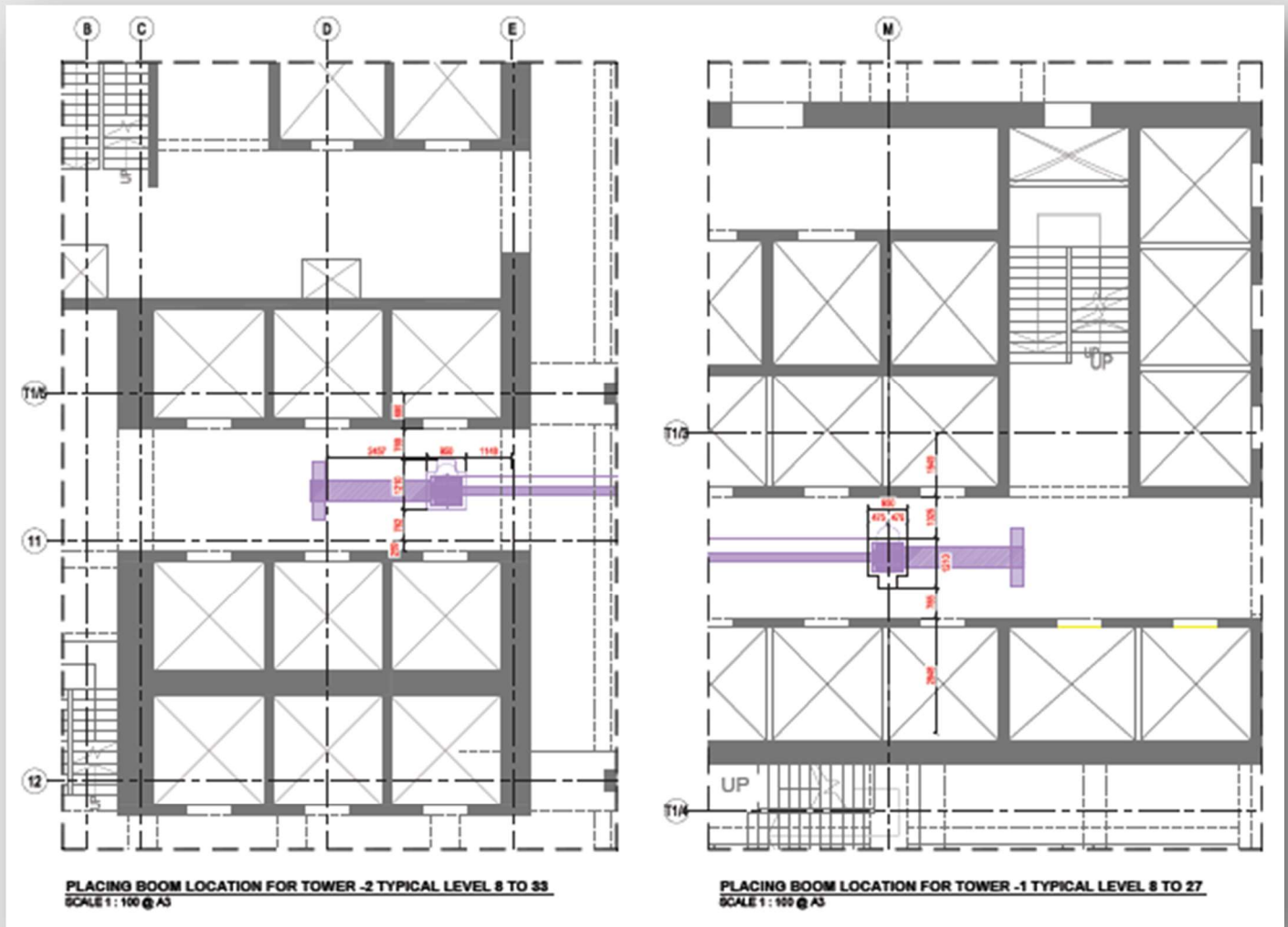
Passenger Hoist

Example 01: TA Tower, Kuala Lumpur, Malaysia.



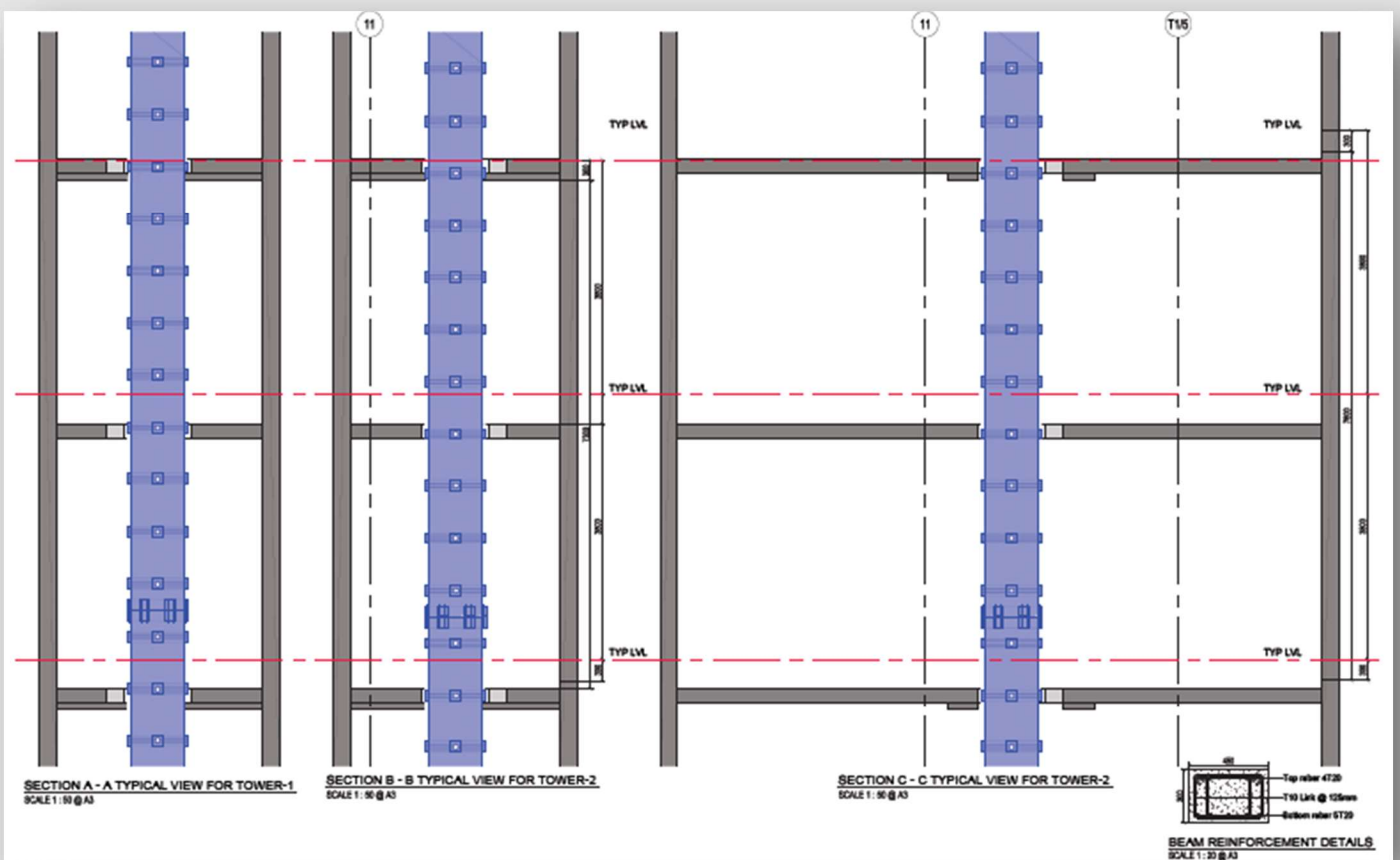
Concrete Placing Boom

Example 01: TA Tower, Kuala Lumpur, Malaysia.



Concrete Placing Boom

Example 01: TA Tower, Kuala Lumpur, Malaysia.



As said earlier, after our analysis regarding optimization of the Formwork requirement for the Project, designing of Formwork and providing of Fabrication Shop Drawings, we also fabricate, supply and deliver any kind of Steel Formworks.

We are also well versed in demonstrating and training the site people regarding installation, de-moulding and shifting of Formworks. The quality and precision of our Formwork ensures the quality and precision of Concrete Structures, too. Hence the Formwork quantity optimization and design optimization are done by ours, it will results in reduction of overall Formwork cost without sacrifice in Safety elements. Well planning and delivering the Formworks to site with in a given time will help the project team to proceed the construction as per their Programme. We are fabricating all kind of Column Formworks, Wall Shutter Panel, PC Moulds, all kind of Platforms and other temporary steel structures required while construction time.

“ Great Plan + Action = Creation ”

Column Formworks



Wall Shutter Panels



PC Moulds



Platforms



Others



S. No.	Project Title	Country	Description
01	Menara Hap Seng	Kota Kinabalu, East Malaysia	Basement- 4 Storeys Podium- 3 Storeys Tower- 10 Storeys Top and Down Construction.
02	Jesselton Residencies	Kota Kinabalu, East Malaysia	27-storey three tower condominium. Semi Top and Down Project.
03	Hotel Alila	Sabah, Malaysia	6 Storeys Hotel with 1 Basement
04	PPIA Ground Handling Building	Phnom Penh International Airport, Cambodia.	Ground Handling Building, Haner Area, Chiller Room, Roads and Culverts in Airport
05	Towers and Sky Bridge	Hong Kong Airport, Hong Kong	6 storeys of 2 Towers and Linking Sky Bridge over running Taxiway in Airport.

S. No.	Project Title	Country	Description
06	Shenyang Mercedes Benz Project	China	Mercedes Benz Showroom
07	Berjaya Financial Centre	Vietnam	Financial Centre in Vietnam with 2 Basements and 9 Storeys.
08	Coral Bay	Kota Kinabalu, East Malaysia	8 Towers of 11 Storeys with common 1 Basement.
09	MTR Shatin to Central Link Tunnel	Hong Kong	Tunnel Project in MTR
10	Admiralty south overrun Tunnel	Hong Kong	Tunnel Project in MTR
11	Lorong Kuda	Kuala Lumpur, West Malaysia.	Tunnel Connecting Jalan Tun Razak to KLCC Car Park

S. No.	Project Title	Country	Description
12	Satapana Bank HQ	Phnom Penh, Cambodia.	Commercial Bank with 5 Basements and 26 Storeys Tower.
13	VBR Business Park	Vijayawada, India.	4 Blocks with 2 Basement Levels and GL+ 4 storeys.
14	BSG – Tun Razak Exchange	Kuala Lumpur, West Malaysia.	Foundation and Basement Work.
15	MHS 3	Kuala Lumpur, West Malaysia.	Basement- 6 Levels Podium- 4 Levels Tower- 20 Levels Top and Down Construction.
16	TA Tower	Kuala Lumpur, West Malaysia.	Podium-07 Levels Tower 01- 64 Levels Tower 02– 59 Levels

S. No.	Project Title	Country	Description
17	KSAV – King Harbour	Cambodia	Entertainment Floors- 4 Levels. M Gallery Hotel – 15 Levels. IBIS Hotel-10 Levels Grand Mercure Hotel Phase01- 6 Levels. Grand Mercure Hotel Phase02- 7 Levels.
18	Alila Villa	Sabah, Malaysia	28 Nos. of Villas, which are constructed by Precast method from Foundation to Roof.
19	Keppel Data Centre	Johor, Malaysia	It is a single storey Data Centre with a area of 9,100 m2.

S. No.	Project Title	Country	Description
20	Lancaster Lincoln	Vietnam	2 Towers with 40 Levels + Roof and with 2 Basements.
21	Lancaster Eden	Vietnam	14 Villas with 2 Levels.
22	Lancaster Luminaire	Vietnam	27 Levels + 2 Level of Roofs and with 4 Basements.
23	GHAVP-01&02 Gorakhpur Power Plant	Haryana, India	2 nos. of Nuclear Buildings and its Auxiliary Buildings.
24	Project Glory	Singapore	51 Levels + Roof and 1 Basement.
25	Chemical Manufacturing Plant Project	Singapore	Overall Plant with main structures as Reactor Building, Admin Building, Workshop, Maintenance Building, etc.

S. No.	Project Title	Country	Description
26	KOS Airport new PTB	Sihanoukville, Cambodia	New Passenger Terminal Building with 3 Levels + Structural Steel Roof.
27	HK-MRT Project	Hong Kong	Construction of MRT Station in between current running MRT Track.
28	Integrated Transport Hub	Jurong East, Singapore	Construction of two Towers with Podium.

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Thank you