



Daniel *Krajnik*

● ARCHITECT (ARB) / LARGE-SCALE MIXED-USE & REVIT DELIVERY

krajnik.dan@gmail.com · London, UK

8

DGCL BUILDINGS
ACC REVIT MODELS

500+

DGCL DRAWINGS
IN 4 MONTHS

300+

ST. REGIS
DRAWINGS
IN 3 MONTHS

2

TOWERS AND GROUND
FLOOR AMENITIES**MODEL MANAGEMENT**

Revit models run on Autodesk Construction Cloud and locally, kept coordinated across buildings, consultants and drawing issues.

DRAWING PRODUCTION

Fit-out sets of around 80 sheets per building: general arrangement, floor and wall finishes, reflected ceiling plans and sections.

AUTOMATION TO THE BEP

Custom scripts that set worksets, family names and sheet numbers to the BIM Execution Plan, removing manual set-up on every new building and sheet.

TRADE COORDINATION

Coordination with other disciplines, including vertical shafts and services, to keep schematic and detailed design stages on programme.



DGCL, Diriyah Gate



St. Regis, Palm Deira

Revit Delivery Under Tight Deadlines

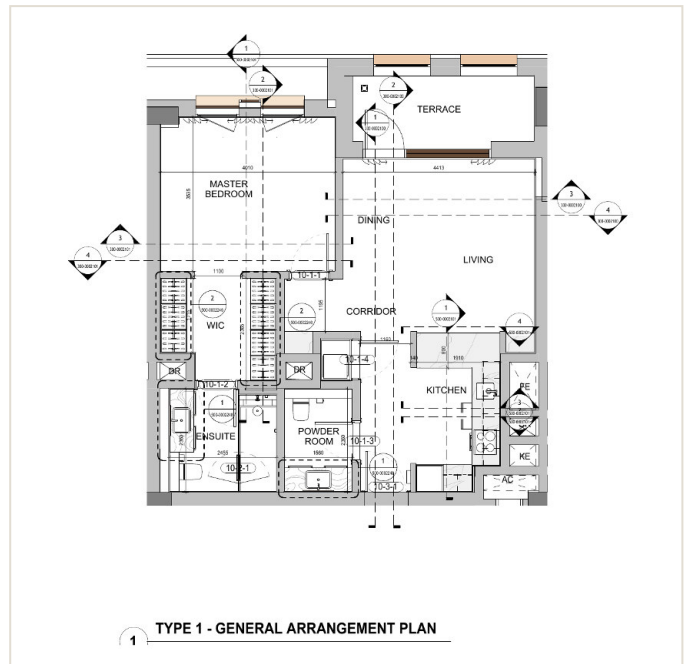
HWO Architects · Saudi Arabia and UAE

Concept to Detailed Design (RIBA Stages 2-4)

Two large Middle East schemes delivered in months: DGCL, Diriyah Gate (8 buildings, 500+ drawings in 4 months) and St. Regis, Dubai (300+ drawings in 3 months). My role: model management, drawing production, trade coordination and BEP automation.

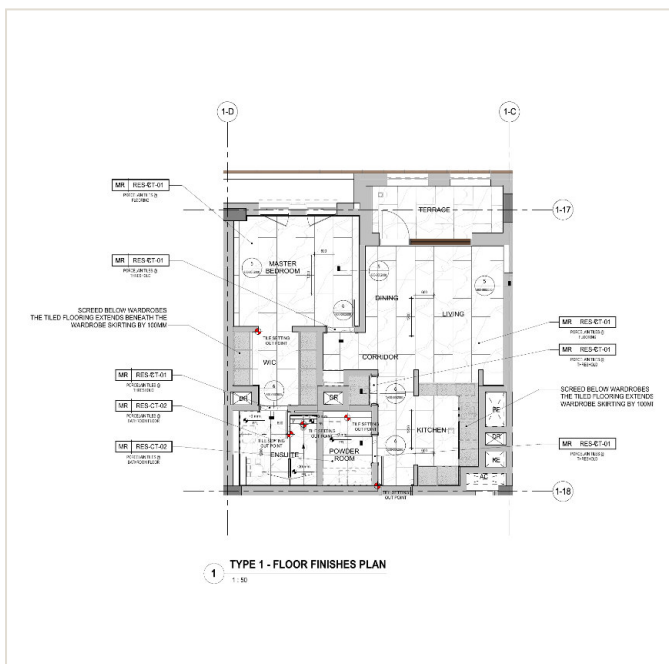


Apartment living and dining



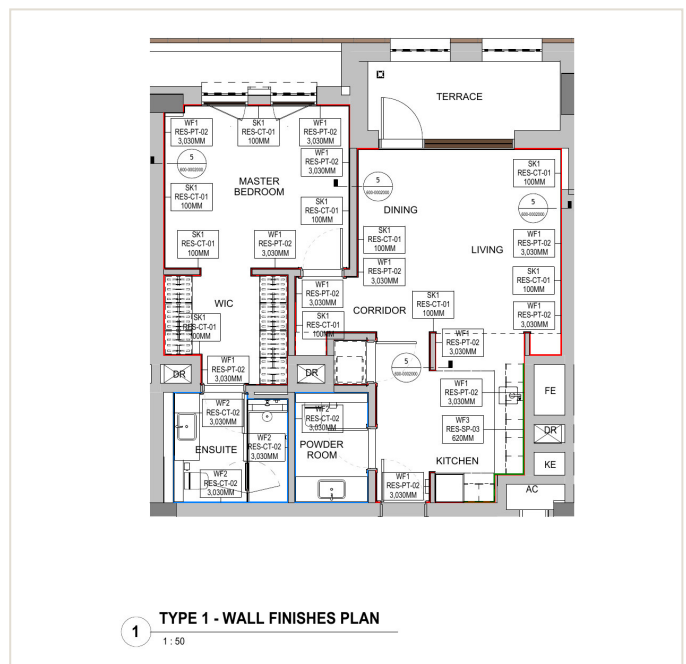
GA

Type 1 general arrangement plan



FLOOR FINISHES

Type 1 floor finishes plan



WALL FINISHES

Type 1 wall finishes plan

DGCL: Typical Apartment (Type 1)

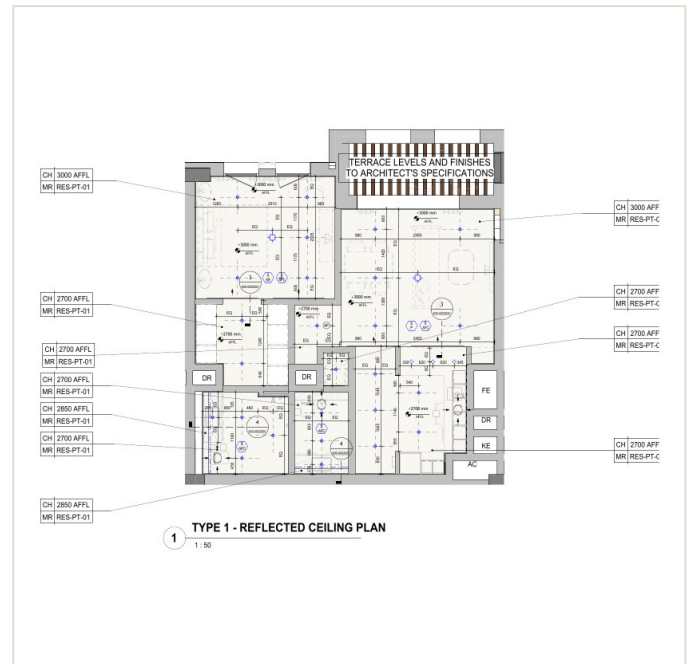
Diriyah, Riyadh, Saudi Arabia

Schematic Design

One apartment type taken from interior render to drawn set: general arrangement, floor finishes and wall finishes plans, coordinated in Revit across eight buildings.

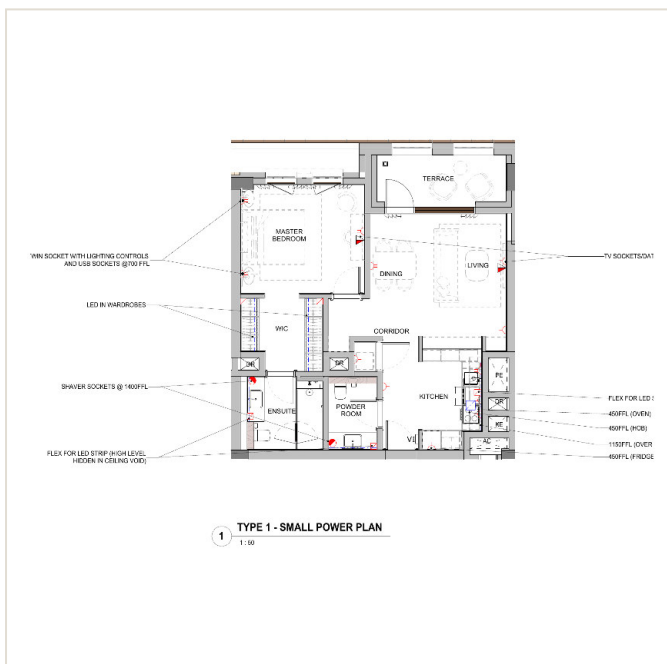


Master bedroom



REFLECTED CEILING PLAN

Type 1 reflected ceiling plan



SMALL POWER

Type 1 small power plan



ELEVATIONS

Type 1D master bedroom elevations

DGCL: Typical Apartment (Type 1)

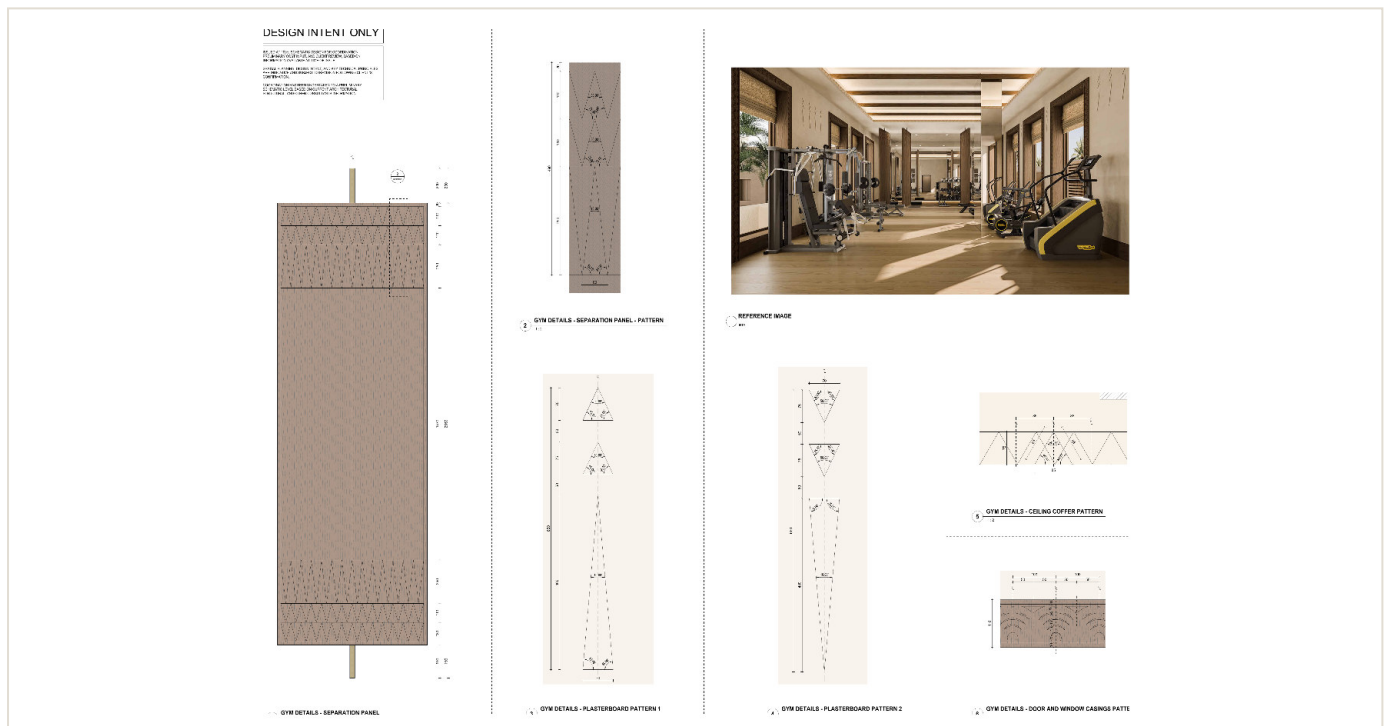
Diriyah, Riyadh, Saudi Arabia

Schematic Design

Ceilings, services and joinery elevations for the same apartment, with lighting, ceiling heights and power coordinated against the interior design intent.



Residents' gym

**DETAILS**

Gym details: partition panels, plasterboard patterns and ceiling pattern, with reference render

DGCL: Residents' Gym

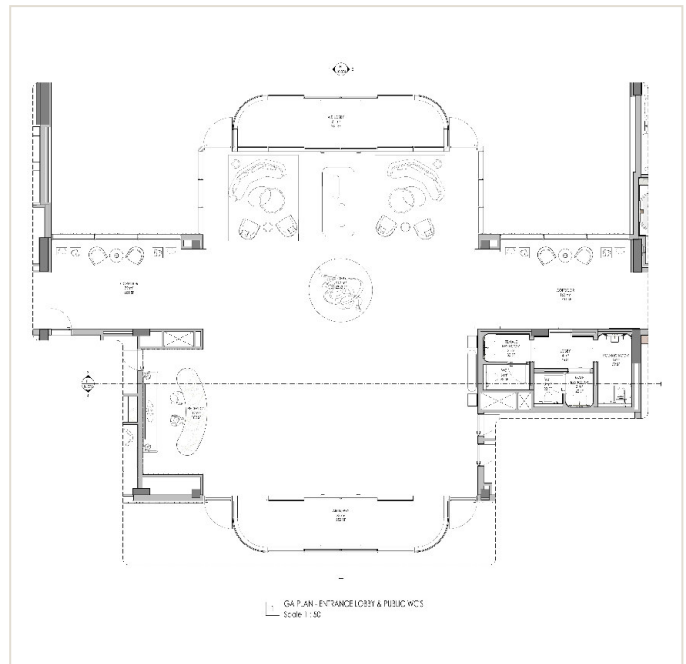
Diriyah, Riyadh, Saudi Arabia

Schematic Design

Amenity interior developed from render to detail sheets for the bespoke partition, plasterboard and ceiling patterns.

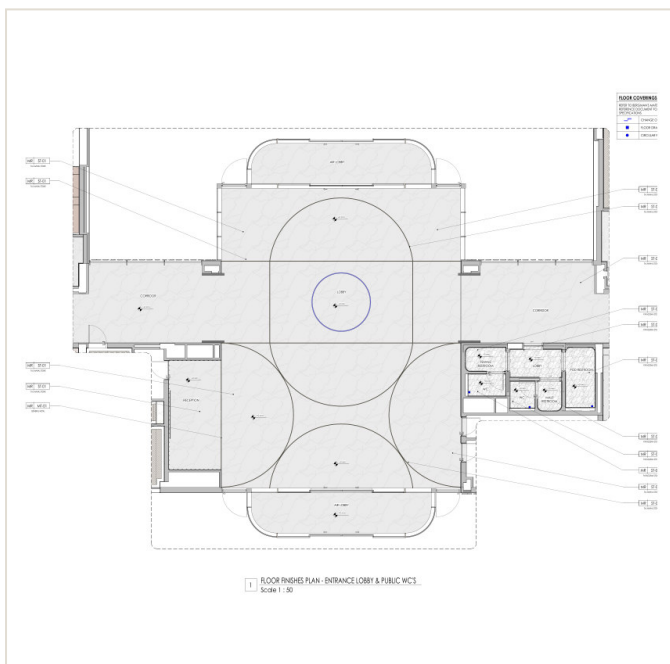


Entrance lobby



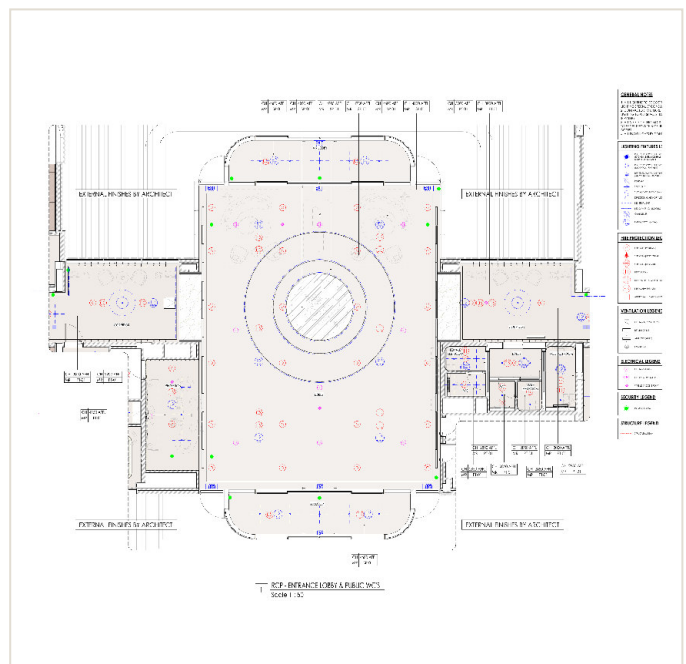
GA

GA plan, entrance lobby and public WCs



FLOOR FINISHES

Floor finishes plan



REFLECTED CEILING PLAN

Reflected ceiling plan

St. Regis: Entrance Lobby

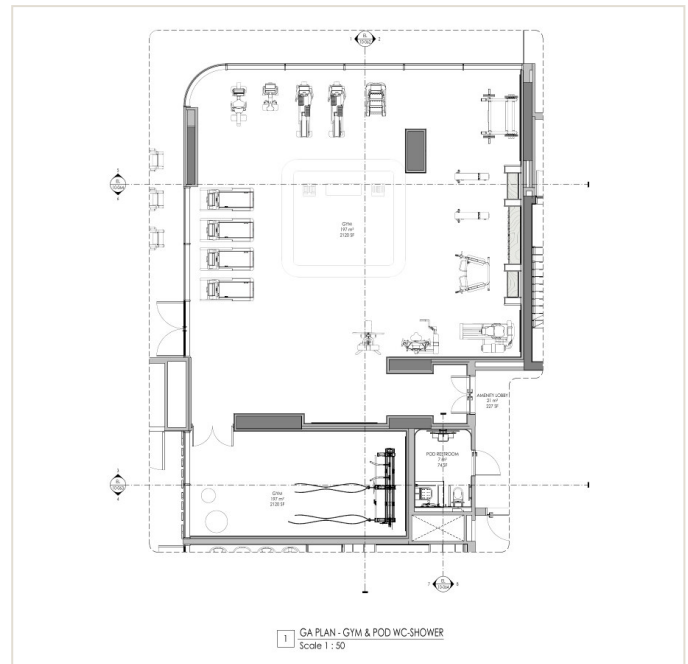
Palm Deira, Dubai Islands, UAE

100% Schematic Design

The ground-floor entrance lobby from render to drawn set: general arrangement, floor finishes and reflected ceiling plan, with lighting, fire, ventilation and security layouts coordinated.

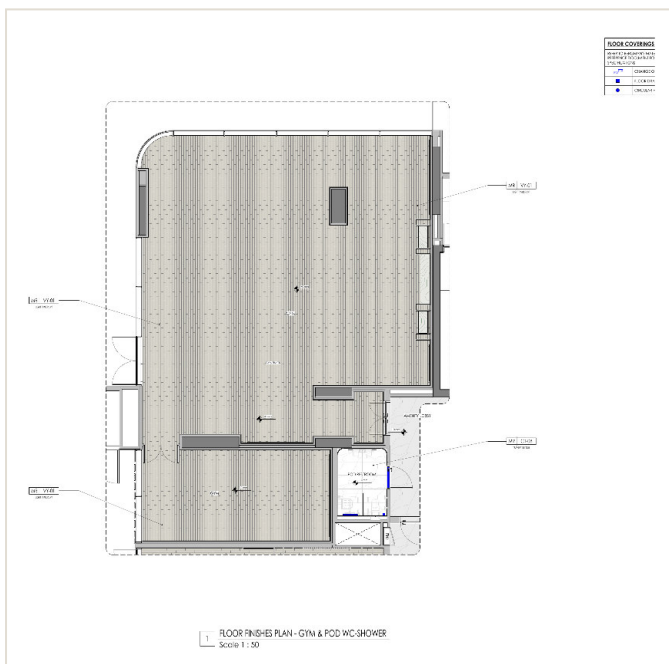


Gym



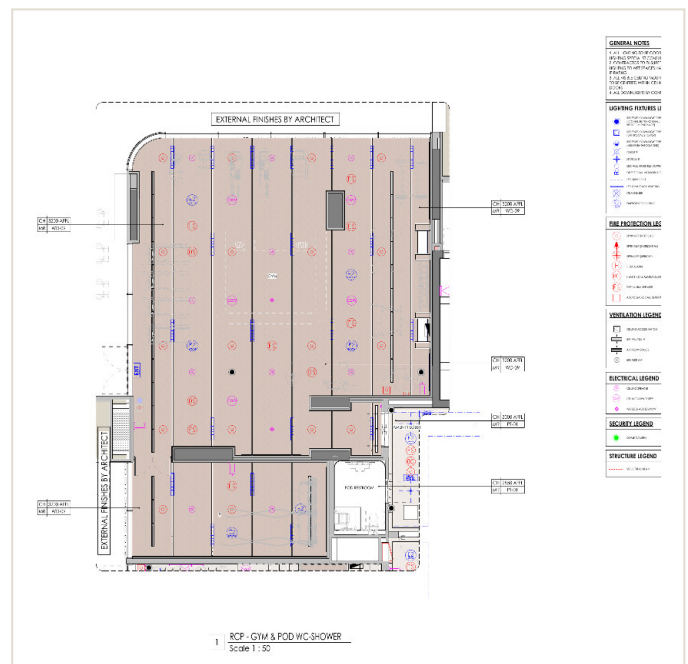
GA

GA plan, gym and pod WC-shower



FLOOR FINISHES

Floor finishes plan



REFLECTED CEILING PLAN

Reflected ceiling plan

St. Regis: Gym and Wellness

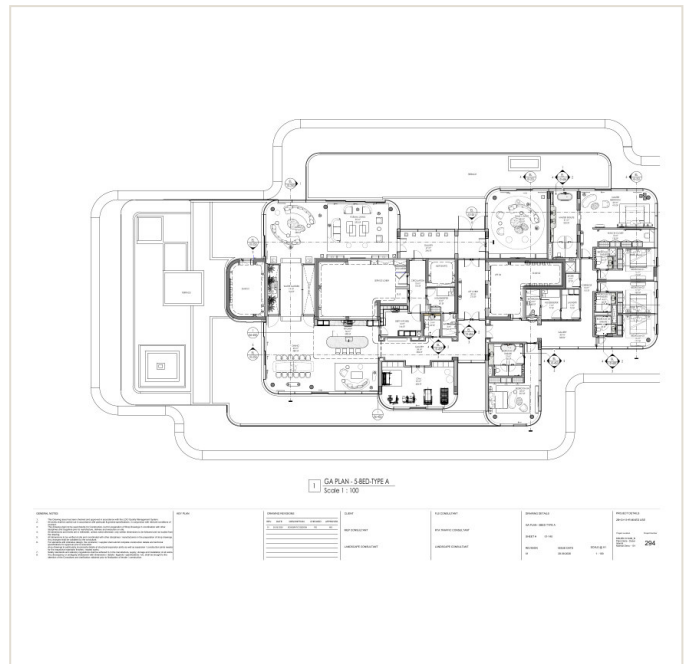
Palm Deira, Dubai Islands, UAE

100% Schematic Design

Ground-floor gym and pod WC and shower, one of the amenity spaces coordinated alongside the residential floors.

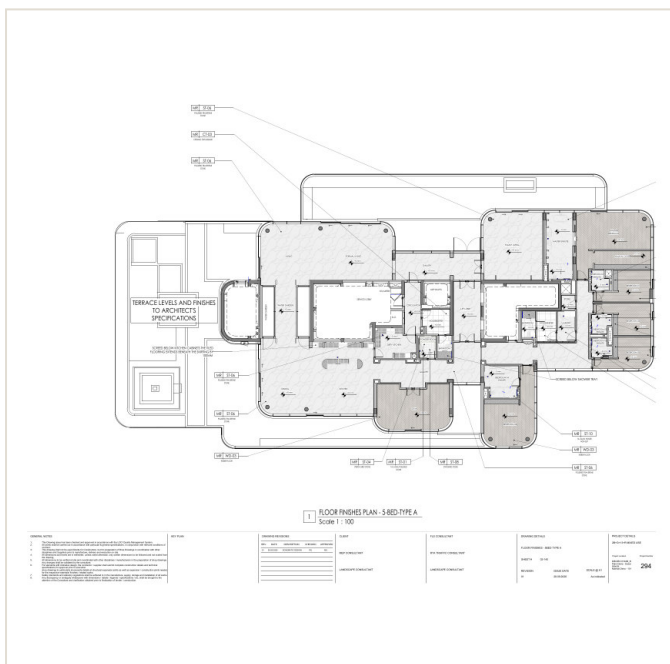


Penthouse living room



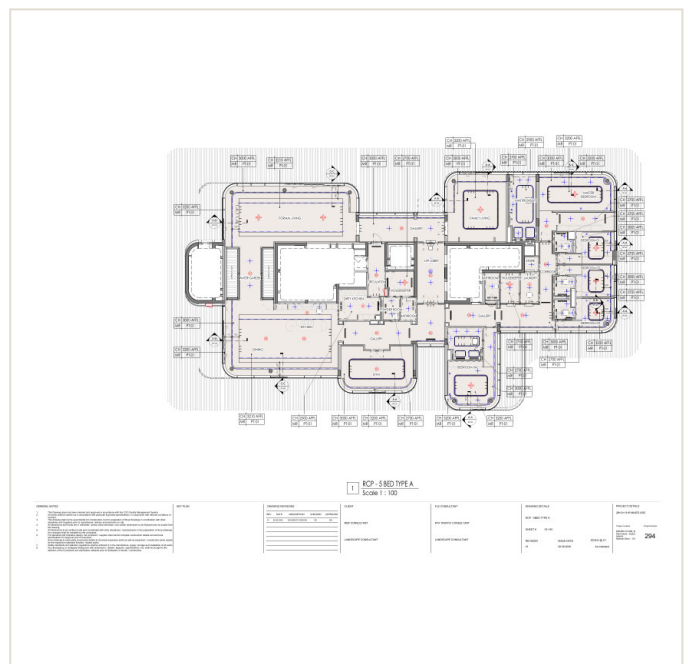
GA

GA plan, 5-bed type A



FLOOR FINISHES

Floor finishes plan, 5-bed type A



REFLECTED CEILING PLAN

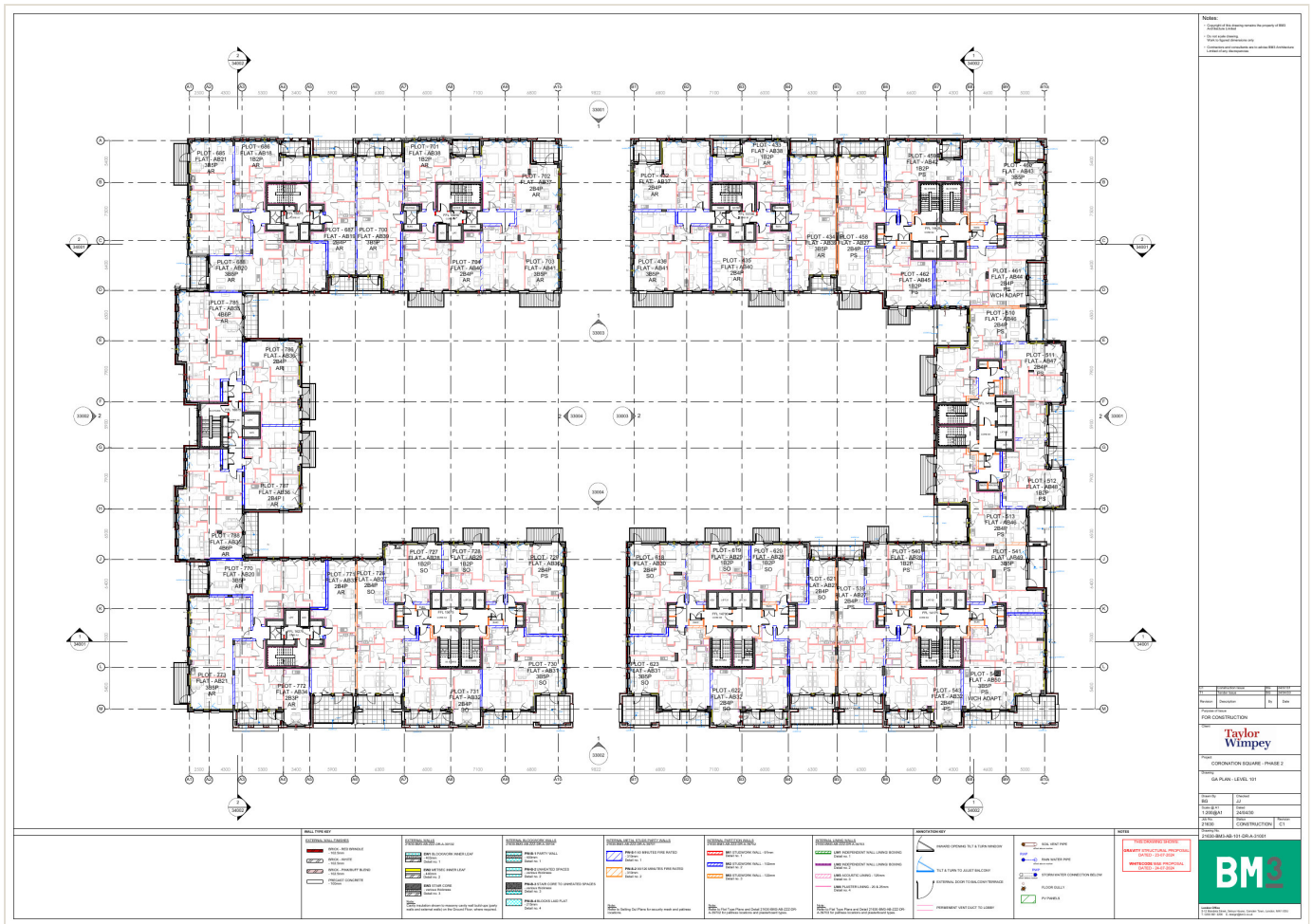
Reflected ceiling plan, 5-bed type A

St. Regis: Penthouse (5-Bed Type A)

Palm Deira, Dubai Islands, UAE

100% Schematic Design

A full penthouse set: general arrangement, floor finishes and reflected ceiling plans for the 5-bedroom type A residence.



General Arrangement Plan, First Floor



Elevation, Block AB



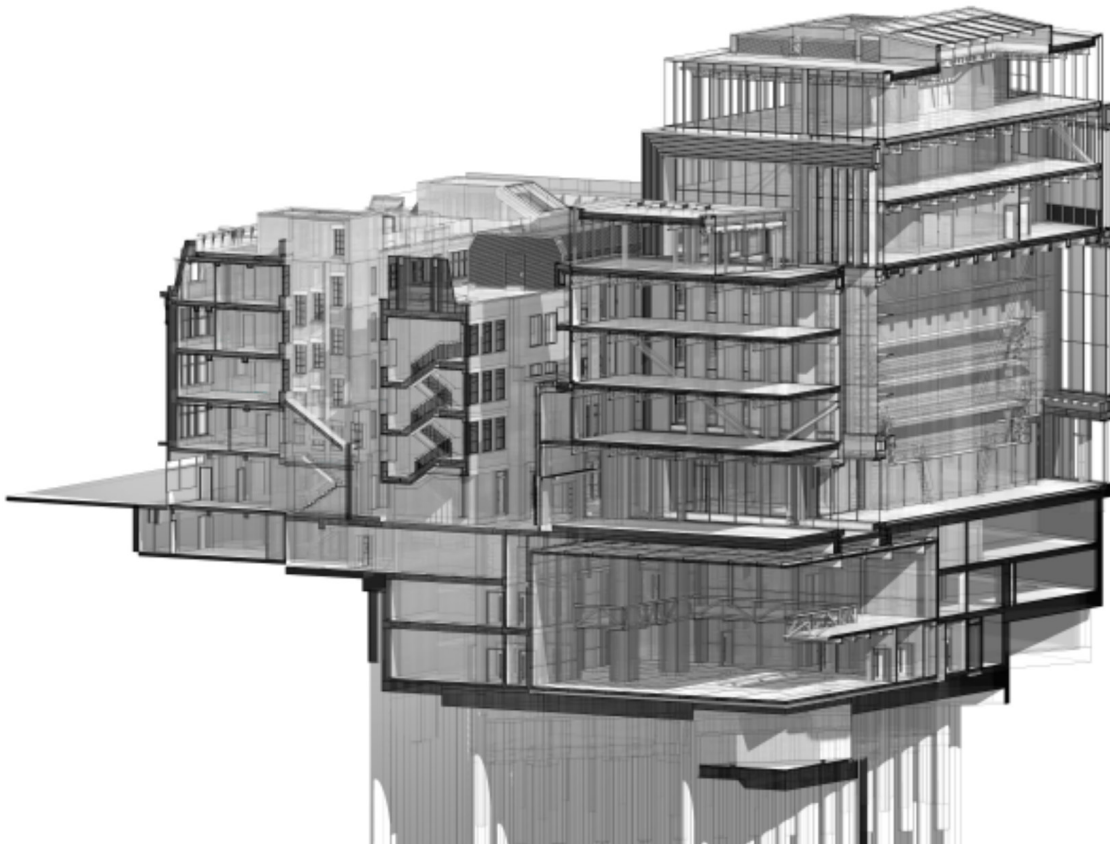
BIM model, coordinated massing

High-Rise Residential (BSR)

Leyton, London

Stages 3-4 · Tender & Construction

367 apartments across 10 cores (5 classified High-Risk Buildings). Coordination of the Revit model, the full details package and specifications, Building Regulations and NHBC compliance review, and a contribution to the Gateway 2 application under the Building Safety Act.

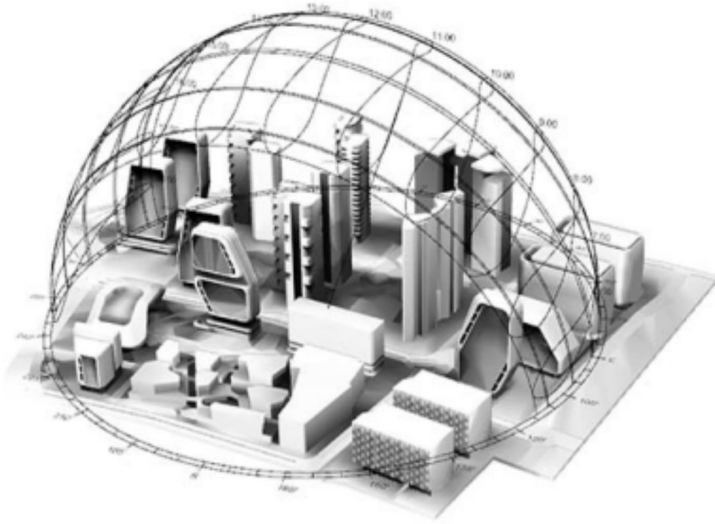


ORMS ARCHITECTS

St. Giles Circus

Stage 3

My general coordination of the BIM (Revit) model included preparation of parametric families of doors, windows and services, coordination of BIM models (Revit and IFC) from consultants and formatting data. Construction process required understanding of unique processes of "top-down" construction, system of deep foundations (secant walls combatting vibrations induced by the Crossrail tunnel immediately below and two stage procurement. This allowed for number of optimizations of systems supporting the mechanical facade and the three storey high basement event space.



I've used Grasshopper + Ladybug to perform solar analysis of the Bangalore region and optimize the designs,



Development of concept design stage options for the public arts and culture center in Qatar.

UNSTUDIO

Multiple projects + research (Knowledge Platform)

Stage 0 and 1

During the internship at unstudio I've worked on a number of high-profile projects: Bangalore's Karle Town Center Iconic Towers, Qatar Childrens Museum and Utrecht Galgenwaard. I've also helped develop internal "Knowledge Platform" including scripts and manuals for Grasshopper-based design solutions. For KTC my role involved preparation of solar studies to optimize the facade against solar gains.

Thank you

krajnik.dan@gmail.com · 079 220 687 24 · London, UK