JULIAN NASH
DRAFTING LEADER
CURRICULUM VITAE

JULIAN NASH CV

PROFILE

Team player with more than 20 years' experience within the industry, Julian has enjoyed working as a Structural Draftsman within large multi-disciplinary construction firms and consultancies in the Middle East, India, South East Asia, Singapore and now in in New Zealand.

Julian has worked on a variety of large building projects, including high rise residential, commercial buildings, hotels, sports stadiums and high end bungalows, as a BIM draftsman and coordinator.

Aside from his strong drafting and coordination skills using BIM tools, Julian's strengths include being organised, efficient and a good team player with good leadership and communication skills working well within a collaborative environment. Julian keeps himself updated with the latest trends in the BIM industry by attending seminars and webinars and keeping in touch with industry players.

QUALIFICATIONS

Diploma in Mechanical Engineering, Technical Board of Mumbai, India

Advanced Diploma in Mechanical Engineering, University of New South Wales

Specialist Diploma in BIM (Building Information Modelling), Building Control Authority, Singapore

Certified AutoCAD Professional – Level 1 (2D drafting), Level 2 (3D modelling), Singapore

CAREER HISTORY

2018 – Present, Senior Structural Drafter / Drafting Leader – Structus Consulting Limited

2015 – 2018 Senior Structural Draftsman / Drafting Manager, Sullivan Hall Consulting Engineers, Auckland

2014 – 2015 Deputy BIM Manager, Web Structures, Singapore

2005 - 2014 Senior Structural Draftsman / BIM coordinator, Dragages Singapore

1994 – 2005 Freelance CAD Designer, Weatherwise Consultants / Nishimatsu Engineering / Parsons Brinckerhoff Consultants / Maunsell Consultants / Meinhardt Consultants / Bouygues Construction

TECHNICAL SKILLS

- Building project models from Concept to Detailed Design in a BIM environment using Revit as the software medium for extraction of information for Building consent submissions.

- Coordinating details with trades and liaison with our Engineers for ease of construction on site
- Apply BIM methodologies and precise modelling techniques within the drafting team for a quality BIM model
- Extraction of information from the building model for the benefit of the QS team and in-house tendering team during the concept stage
- Presenting clients with BIM 4D for the sequence of construction, making use of the live BIM model

PROJECT EXPERIENCE

RESIDENTIAL PROJECTS

Aria Bay, Auckland, 2016-present, $30m

New retirement village development in Browns Bay, Auckland. 2 no. 5 storey apartments blocks and 4 storey day clinic block form the development within an existing operational retirement village campus. Julian is providing the structural engineering drafting.

France Street Residence, 59 France Street, Newton, Auckland

Project draftsman working within a team of a Senior Engineer and 2 draftsmen for the France Street Development, Auckland. The project included detailed design of a 12-storey reinforced concrete and steel framed building. The site posed a challenge in terms of construction near the existing Auckland music venue.

59 France street consists of 3 levels of basements for the residents of the development. The project architects developed an intricate design with many architectural precast façade elements that needed to be coordinated well. The basement retaining needed extensive piling due to the steeply sloped terrain. Construction works due to commence in 2018.

Rose Road Apartments,
Rose Road, Grey Lynn, Auckland

Revit modeler for a 5 storey residential building with 2 levels of basement car parking. The apartments will be constructed after demolishing 2 existing habitable villas on the site. The model was completed using precast panels, shear walls, steel framing and piling for the basement foundations. The project has been on hold in 2018.

Wild Development, Town houses and Apartments, Auckland

Revit modeler for 2 blocks of 3 storey units that was designed in masonry block, steel and timber construction with RC foundations. Project began Stage1 construction and the design for the apartment buildings has commenced in 2018.

Citizen Residence, Exmouth Street, Auckland

Revit modeler for the project consisting 2 apartment buildings, 6 levels each on an existing structure. The apartments were designed using reinforced concrete, masonry retaining and CBF (concentric braced frame) steel structure above the existing structure. The building had to be scanned by a specialist contractor to locate existing reinforcement to add steel framing to strengthen the lower car parking levels, constructed of reinforced concrete beams and double tee's.

High end bungalows in Herne Bay, Sarsfield Street, Mangawhai, Red beach, Flat bush, Keri Keri, Queenstown, Hamilton and various other NZ locations

Project BIM modeler using Revit as the modelling tool to extract drawings and details

for Building consent and IFC model export for the steel fabricator.

Punggol Digital District, Singapore

Assisted in the lead BIM modelling for the project consisting of various commercial and residential developments for the future of this satellite city. The Director requested Julian to work on 6 towers that was to be submitted for the concept stage. Julian modelled the buildings using Revit 2017, which was remotely done using C4R. The project is in the detailed design stage in 2018 for Building Authority submissions.

HDB Punggol, Singapore

Deputy BIM Manager for the Housing Development project, responsible for checking and coordinating the modelling of the junior draftsmen on the project. Assisted in coordinating with the Architect and presenting the sequence of construction and walk through of the project for client and sales purposes. The project was completed with temporary occupation certificate awarded in 2016.

Oberoi Eternia & Enigma, Mumbai, India

BIM modeler / coordinator for two 60 storey luxury apartments in an Eastern suburb of the city of Mumbai. The project is designed for precast and in-situ construction. Construction was lagging since the design was finished in 2013 and as the ground works began and were halted, the project team relocated to Singapore, but works restarted in November 2017. Construction is a challenge in Mumbai, as traffic congestion causes much of the concrete premix to be rejected.

The Star city, Yangon, Myanmar

BIM modeler for the Star City design and build project covering the design and construction of six residential buildings including a total of 956 apartments. Four of the buildings are 82m tall (25 storeys) and the other two are 91m (28 storeys). The contract also includes the construction of a two-storey car park along with a local community building and the development of green spaces, a swimming-pool and a leisure activity area. The project was in its third phase of construction.

The Arte, Singapore

Senior Structural Draftsman for the 336-apartment residential condominium consisting of two 36 storey tower blocks, swimming pools, tennis court and a clubhouse built over a carpark in a partial single-level podium. The project was completed in 2010.

Jewel @ Buangkok, Singapore

Senior Structural Draftsman for the tender stage of the design and build project consisting of one block of 15 storey and three blocks of 17 storey residential apartments with 2 levels of basement car parks.

The biggest challenge for the project was building the underground car parks that were near the neighbouring properties and the underground train tunnel. The car parks were redesigned by the tender team with the objective of minimising temporary works. The project was completed in 2016.

This project was awarded the Building Construction Authority (BCA) Green Mark Gold Plus Award.

The Sail @ Marina, Singapore

Structural Draftsman / 3D modeler using AutoCAD for the waterfront lifestyle condominium similar to the Empire State Building in New York. The 224.5m and 215m high towers were designed to resemble sails on the horizon.

The buildings were erected using complex civil engineering techniques that are unique for the building construction sector. To cope with deep ground conditions and to withstand earthquakes, 80m deep barrettes were adopted for ground works. Due to the height of the towers and the construction cycle, prefabricated bathrooms were introduced as a pilot project in Singapore which assisted in the company being awarded many more residential developments. The project was completed in 2008.

The LadyHill, Singapore

Structural Draftsman for a prestigious, luxurious residential design and build condominium of seven 4-storey blocks for the affluent in Singapore. The location of this development is in one of the most expensive areas of Singapore also known as the Beverly Hills of Singapore. The project had many intricate design features that had to be incorporated into the precast form, making the connections difficult to install on site. The project was completed in 2002.

The Equatorial, Singapore

Structural Draftsman for a single tower 15 storey high end residential development with basement carpark, swimming pool, tennis court, podium and club house. The shape of the building was curved, and many precast elements needed new moulds to cater for this. This project was completed in 2001.

The Sterling, Bukit Timah, Singapore

Structural Draftsman for two 10 storey design and build residential blocks constructed with precast and in-situ concrete. The development has basement carparks, swimming pool, tennis court and club house similar to condominium amenities. This project was completed in 2000.

The Hazel Park, Singapore

Structural Draftsman for three 19 storey and three 5 storey design and build residential blocks constructed with precast and in-situ concrete. The development has 2 swimming pools, 2 clubhouses, 3 tennis court and a single level basement carpark running across the entire development. This project was completed in 1999.

COMMERCIAL PROJECTS

Belfield Phase 3 - Kuala Lumpur, Malaysia

BIM coordinator, Team Leader working with 15 other BIM modelers to model the structural elements of the 807,740 sq.ft. mixed use development of residential and office towers, 59 storey and 38 storey on top of a 8 storey podium with 2 levels of basement. Malaysia is adopting BIM into their building consents and the team from Singapore extensively trained the BIM modelers working in Malaysia. The project was in Phase 3 construction in 2018.

Gallery Hotel, Intercontinental Hotel, Singapore

Deputy BIM Manager / Lead overseeing, modelling and coordinating the redevelopment of the existing Gallery Hotel to be converted to Intercontinental Hotel. The BIM submission required our team to provide an existing building model phase, a demolition phase and a new build phase. This was one of the pilot projects done in BIM. BCA awarded our team with a $50,000 grant for BIM products for accomplishing this task. This was challenging since the existing drawings were in blue print format. Fortunately for Singapore's strict construction laws, when 3D mapping of reinforcement and structure was undertaken it was the same as per the original drawings and design. There was much strengthening to be added in steel to cater for the new

development to suit the client's requirements. The project was completed in 2016.

Jewel Changi Airport, Changi, Singapore

BIM modeler during the entire tender process of the commercial development with a total gross floor area of about 1.4 million square feet, Jewel Changi Airport (Jewel) features twin centrepiece attractions, a 40-metre tall waterfall and a large-scale, lush indoor garden. Lifestyle offerings available at the complex are leisure attractions, retail and hotel facilities. New pedestrian bridges linking Jewel to Airport Terminals 2 and 3 will also be built, improving connectivity between the terminals, as well as to the MRT station. Julian used his BIM expertise from the Sports Hub to do a 4D sequence of construction presentation to the owners and the Changi Airport Group. The project posed numerous challenges since the construction sequence needed to take into consideration the airport functions without any disruptions. The construction is on-going since 2014.

Singapore Sports Hub

BIM modeler / coordinator / Team Leader working on the largest Public-Private Partnership in terms of sports venues. The Hub, completed in 2014, is located on a prime 35-hectare seafront site in the centre of Singapore, with close proximity to all major transport links. Stimulating the development of sports activities locally, the centre also enhances Singapore's appeal and capabilities on a global level. Central to the Sports Hub is the 55,000-seat new National Stadium, which features a retractable roof measuring 300m in diameter. Other Hub facilities include: a 6,000-seat indoor aquatic centre and a water sports centre for the general public; a fully scalable 3,000-seat multi-function arena; an exhibition centre; a sports museum; office space for sporting associations; 41,000 sqm of commercial space, and food and beverage outlets. The development also comprises a kilometre-long Sports Promenade with a skate park and tennis courts. With several interconnected buildings constructed within a small area, the complex presented both technological and logistical challenges during construction.

The Jassim bin Hamad Stadium, Doha, Qatar

Structural Draftsman for a multi-purpose stadium in Doha. It is currently used mostly for football matches and also has facilities for athletics. The stadium, originally built in 1974, was rebuilt in 2004 for the Gulf Cup and currently has a capacity of 12,946 people. Julian's team of 12 draftsmen from Singapore travelled extensively to Qatar to resolve issues during the design and construction phases, and to also do a proper handover of documentation to the team on site. The facility is also used as the home stadium of the Qatar national football team. The stadium was named after the former president of the club Jassim bin Hamad bin Jaber Al-Thani.

National Library, Bras basah, Singapore

Engaged as a Structural CAD draftsman to build a 3D model during the tender stage and progressed the AutoCAD solid model through into detailed design stage. Julian was involved with the construction team to provide 3D coordinates of the intricate façade system for the 16-storey, two-block steel construction development situated in the city's Civic District. There were many challenges during the construction, but these were overcome with good communication and rechecks on site. This development was built to replace the old National library which was demolished to make way for the underground Dhoby ghaut train station. The project was completed in 2005.

Fullerton Hotel, Clarke Quay, Singapore

Structural draftsman working in a team of fifteen on the restoration of this historic building in the heart of Singapore dating from 1928, which was refurbished and transformed into a five-star luxury hotel with 405 rooms. A commercial building, “One Fullerton” was also built on reclaimed land opposite the hotel. The combined floor area of these two buildings is 64,160 sqm. The building’s breath-taking exterior – a homage to Neo-classical architecture – was retained and restored. The interior of the building was entirely demolished, except for a room on the fourth storey – The Straits Room where the peace treaty between Singapore and Japan was signed after World War II. An additional basement was constructed for car parking and back of house loading unloading facilities. There were numerous challenges posed that were overcome with good planning and a strong design team. The project was completed in 2000.

Hong Kong Convention and Exhibition Centre Extension Roof

Handpicked by the Project Director Marc Durand for the 3D development of the roof for the iconic wing-designed roof. It is believed to be the largest curved roof in the world, covering 40,000 square metres. To achieve the shape, steel roof trusses of various shapes were used, supporting the aluminium tiles. Space limitation was another factor in the roof construction. The six pairs of roof trusses measuring up to 81 metres long were fabricated off site and transported to the site by barges. It was an achievement using AutoCAD to create the 3D roof working in a team of eight 3D CAD drafters. Julian’s team were fortunate to attend the handover ceremony in 1997 in recognition of the completion of a successful project.