RHEA GUEVARA
SENIOR DRAFTSPERSON CURRICULUM VITAE

RHEA GUEVARA CV

PROFILE

Rhea is a highly motivated structural Revit modeller and has over 13 years of rounded experience working with dedicated structural teams who understand and complete drawings for a wide range of large structural projects.

Rhea gained most of her experience in well known companies in New Zealand, Singapore and Philippines. She has been involved in a number of large projects ranging from schools to high-rise commercial and office complexes, hospitals, residential and hotel developments.

Rhea is passionate about her work and continuously keeps updated with the implementation of BIM in the industry, believing that to understand the concept and realise the potential of BIM will simplify workflows and coordination amongst disciplines.

QUALIFICATIONS

BS Civil Engineering, Philippines, 2004
Certified Autodesk Revit Professional, 2013
Civil and Structural Computing Trained, 2013

Revit Structure Advanced, 2012
Revit Structure Fundamental, 2012
Certified Building Supervisors Safety Tunnelling, Singapore 2011

CAREER HISTORY

2016 – Present, Senior Draftsperson – Structus Consulting Limited

2016 – Senior BIM Structures Modeller – Mott Macdonald New Zealand Limited

2011 – 2016, Civil & Structural Draftsperson – CPG Consultants Pte Ltd., Singapore

2010 – 2011, CAD Operator / Draftsman – SSangYong Engineering & Construction Pte Ltd., Singapore

2008 – 2010, CAD Designer – CadSkills Pte Ltd., Singapore

2006 – 2008, Technical Engineer CAD – Daelim Incorporated, Philippines

2005 – 2006, CAD Operator 1 – EEI Corporation, Philippines

TECHNICAL SKILLS

- Use appropriate software applications, such as Revit and AutoCAD, to create and modify design structures and engineered elements
- Read and understand architectural drawings and produce structural model drawings and details under limited guidance of structural engineers
- Ensure standard methods and procedures are followed on assigned

projects, and responsible for checking the quality and accuracy of own work

- Flexible team player, working to meet deadlines and deliver drafting services within agreed time frames

PROJECT EXPERIENCE, NEW ZEALAND

CIVIC PROJECTS

Gasometer Carpark, Auckland, 2018 - present, $20m

This project consists of a 15 split level carpark in Takapuna, Auckland. The structure is the main component of the project cost, therefore time was spent ensuring the structural efficiency was achieved, with the final design being reinforced concrete piles and ground beams in potentially liquefiable soil, long spanning composite steel beams, precast shear walls and composite CHS columns. Early contractor engagement meant that any buildability issues were resolved early, ensuring the final set of structural drawings provide a practical and efficient structural scheme.

INDUSTRIAL PROJECTS

5-11 Selwood Road, Auckland, 2017 - present, $20m

New high specification warehouses – 7 no. in total – with associated single storey offices, constructed in a constrained site with challenging site conditions. The warehouses typically contain large spans for the Steltech portal frames or steel rafters on precast concrete panels. There are canopies to each warehouse. Site retaining walls required to overcome the site topography. Hard stand paving through the development for heavy vehicles.

RESIDENTIAL PROJECTS

Eden View Apartments, Auckland, 2017-Present, $30m

New 6 storey apartment building with carparking and retail at ground level on street frontage. The structure is typically steel framed with precast concrete double tee floors. The lateral system consists of steel concentrically braced frames in the transverse direction and steel moment resisting frames in the longitudinal direction.

39 Flat Bush School Road Terraced Housing, Auckland, 2018-Present, $25m

68 no. new terrace houses as Stage 1 of a larger urban development, comprising of 3 storeys constructed of precast panel intertenancy walls acting as shear walls in the transverse direction, and steel portal frames in the longitudinal direction. Rib and timber infill slabs for the two suspended slabs spanning 7m, provided open plan living to suit architectural requirements.

118 Mangakahia Drive, Coromandel, 2017

A new 2 storey beach house located. The latest in timber design technology has been utilised with long span exposed glulam beams and plywood shear walls to maximise open areas.

Construction stage of Wynyard Central Project Sail

Situated at the heart of Auckland's regenerated Wynyard Quarter, this new urban waterfront development will include a diverse selection of apartments and townhouses, with retail spaces on the ground floor.

Construction stage of Lake Pupuke Residential

Two new residential buildings in Auckland coastal suburb of Takapuna. The project

comprises 54 apartments, the first in Takapuna for over seven years.

COMMERCIAL AND RETAIL PROJECTS

Countdown Refurbishments, NZ wide, 2016-present, $2-5m

Refurbishment of over 25 no. Countdown supermarkets to date for Progressive Enterprises, including new mezzanines, concrete slabs, structural bracing, rooftop plantrooms, bulkheads, partition walls, pylon signs, building component seismic restraints and floor trenches.

1135 Arawa Street Refurbishment, Rotorua, 2017

1135 Arawa Street is a 10 storey reinforced concrete shear wall building. The building was designed and constructed in the 1980's. The building was previously used as an office building. The client is changing the use of the building to a Hotel, which requires new secondary structures to support plant, operable walls, new internal stairs and a floor levelling system.

Albany Mega Centre tenancy 14, Auckland, 2017

Alterations to an existing shopfront involving the removal of a large loadbearing precast panel. Safely provide the temporary and permanent support while considering the relevant load combinations at the various stages of construction.

189 captain Springs Road, Auckland, 2017

130m^2 extension to an existing building. The new building was seismically separated to ensure the two buildings acted independently. Perimeter block walls provided the permanent retaining to the 2m high external soil levels.

Refurbishment of Botanica Heritage

Refurbishment of 2000 square metre character office building into 14 high quality apartments. Construction of 67 one, two and three bedroom apartments.

Refurbishments of GBG Trust Project at Collingwood Street Building

Refurbishment of Collingwood Street Building atrium lift and stair, skylight, stairs alteration, floor infill and carpark screen connections.

BNZ at 8 Birkenhead and BNZ Auckland at Dominion Road

Additional seismic strengthening materials to the existing BNZ at 8 Birkenhead and BNZ Auckland at Dominion Road.

HEALTH CARE PROJECTS

Greenwich Gardens Stage 6

Stage 6 of making this a unique and elegant retirement village, we are sparing no detail to ensure this is retirement living at its finest. This is a modern and upmarket village set amongst spectacular grounds and gardens. A range of living options will be on offer from independent living villas to apartments and townhouses. The construction of Greenwich Gardens will be completed in stages. Once finished, the village will be home to villas, apartments, serviced apartments, a care facility and communal areas, including a modern community centre.

SEISMIC STRENGTHENING

165 The Strand, Auckland, 2016

The building is a 2 storey reinforced concrete moment resisting frame with a 2 storey newer steel structure above. The building is currently used as office and retail tenancies. Seismic strengthening to the steel and timber floor, steel portal frame and bracing at roof level, selected areas of the concrete structure and a new seismic gap to the ramp structure.

Millennium Centre, Auckland, 2017

Millennium Centre comprises 7 no. mainly office buildings (typically 4 storeys) in total over two level basement carparks, part of which are combined over several buildings. The structures generally comprise reinforced concrete frames and precast concrete shear walls, with the 5 storey carpark a steel framed structure. The development was designed and constructed in the early 2000's. Seismic strengthening to the carpark building, roofs of office buildings and stair remedial works.

PROJECT EXPERIENCE, SINGAPORE

HEALTH CARE PROJECTS

New erection of National Centre for Infectious Disease Singapore.

New erection of Jurong General Hospital Singapore.

SCHOOL PROJECTS

Anglo Chinese School Independent

Addition of 1 Block of 14 storey Hostel and attached with 1 single storey dining hall for existing Anglo Chinese School

Nanyang Technological University

New erection of a Block of 14-storey new graduate hall at Nanyang Technological University

School building extension to the existing Educational Institute for INSEAD (Business School of the World)

6-storey building extension to the existing educational institute for INSEAD

School of Biz & Aerospace Hub in Singapore

Expansion of the Polytechnic Campus School of Biz & Aerospace Hub

National University of Singapore

Additions and alterations works the of existing blocks with National University of Singapore

COMMERCIAL AND RECREATIONAL PROJECTS

New Custom Operation Command Complex, Singapore

New erection of Customs Operation Command Complex comprising a 6-storey block with 2-basement and 6-storey annex block

New State Courts Complex - New Tower

New State Courts Complex design features an innovative two tower strategy. The courtroom tower is an open frame supporting a series of shared terraces on which the courtrooms are placed: it has no external facade. In a metaphorical sense, this represents the openness and impartiality of the judicial process. The open terraces feature planting and are designed to allow views across the city thereby reinforcing the civic role of the building. This 160m high-rise Complex will have an area of 104,700sqm (GFA).

Redevelopment of Choa Chu Kang Cemetery Singapore

Choa Chu Kang columbarium complex comprises 16 nos of 3-4 storey blocks and accommodates approximately 146,000 niches. The profile of its various steel roof forms are designed to provide light and uplifting gesture towards the sky.

JTC Summit at Jurong Town Hall Singapore

Additions and alterations work of the existing JTC Summit is a commercial property located at Jurong Town Hall Road. JTC Summit is primarily used for Office rent and sale. Single

storey multi-purpose halls, 2 blocks of single storey commercial buildings, 2 blocks of single storey electrical sub-station, bin centre and outdoor sports facilities

New erection of Recreational Centres at Jalan Terusan, Simpang and Kranji Singapore

Complex sits on a 1.4 hectare site and has facilities such as swimming pools, a 2000-seat multipurpose sports hall, a gymnasium with pool view and tennis courts

New erection of Confidential Projects in Singapore

Government confidential projects, as draftsperson of this project Rhea have no right to disclose any details of any of these projects.

TUNNELLING PROJECT

Marina Coastal Expressway Contract 482 Singapore

Has a total route length of approximately 5km and provides an East-West link. Contract 482 of the MCE comprises the design, construction and completion of 360m of dual carriageway depressed road structure, 640m of dual carriageway vehicular tunnel structure, slip tunnels, at-grade roads, 280m of future transit tunnel undercrossing MCE tunnels, trunk link sewer and associated manholes, waste water pump sump, storm water pump sump and future tunnel stub. 2010-2011 Rhea is one of the CAD Operator draftsman or this project.

PROJECT EXPERIENCE, PHILIPPINES

REFINERY PLANT PROJECT

Petro FCC Revamping Project at Bataan Refinery Plant, Philippines

A refinery expansion project. Petron Bataan Refinery (PBR) is the largest refinery in the Philippines. It is located within the Limay municipality of Bataan province. It processes crude oil to produce a full range of petroleum products, including gasoline, jet fuel, industrial fuel oil, diesel, kerosene and liquefied petroleum gas (LPG). 200-2008, Rhea is a Technical Engineer CAD for this project.

RESIDENTIAL PROJECTS

The Residences at Greenbelt - Manila Tower, Philippines

A residential condominium in Makati Philippines. It is one of the tallest skyscraper in the Philippines with a height of 170.75 metres from the ground to its architectural top. The building has 48 floors above ground, which includes a 4-level podium with commercial establishments and 3 basement levels for parking. It is considered to be one of the most prestigious residential building in the Philippines. 2005-2006 Rhea is a CAD Operator 1 of this project.