

portfolio

Sam Wu

Selected Works |2020 - 2025



sam wu

graduate of architecture

- samwu741@gmail.com
- linkedin.com/in/sam-wu-60b698219
- 0406 362 107
- O South Brisbane, QLD

An experienced architectural graduate with a Master's degree in Architecture and three years of overseas experience from the conceptual design, schematic design, design development, statutory submissions, and to documentation in Revit and AutoCAD environment. More recently, I have expanded my expertise in the Australian renewable energy sector, contributing to feasibility studies and technical reporting for large-scale projects. Passionate about place-making and revitalization, I focus on designing meaningful, community-oriented spaces while ensuring practicality and sustainability. I strive to deliver innovative and thoughtful design solutions for every project.

EDUCATION

Master of Architecture

University of Queensland | Brisbane | Australia | 2020 - 2022

Bachelor of Science in Architectural Studies

City University of Hong Kong | Hong Kong | 2012 - 2016

PROFESSIONAL EXPERIENCE

Architectural Fellow

Feb 2025 -

CO-architecture | Perth

An Australian architecture/interior platform to connect homeowners, businesses, and design professionals. Evolving beyond networking, it now offers design services directly to its members—an experimental business model fostering collaboration.

- Developed full working sets for a boutique hotel at King St Precinct at DD Stage.
- · Produced revit model based on Hassell and Plus Architecture workflow.
- · Completed working drawing set under supervision of registered architects.

Graduate of Architecture

Apr 2022 - Oct 2024

Integrated Energy Pty Ltd| Perth

Integrated Energy is an engineering firm specialising in renewable energy consulting. The firm is engaged in hydrogen-related projects across Australia and Southeast Asia.

- Created floor plans, elevations, sections, and construction details using AutoCAD at the schematic design (SD) stage for DA submission.
- · Developed project plans and fedreal funding application packages.
- Produced conceptual and schematic designs using SU, Rhino, AutoCAD, and Lumion.
- Produced working drawings for renewable energy civil components.
- Estimated project costs for civil and architectural works.

Architectural Assistant

Jul 2018- Feb 2020

Llewelyn Davies | Hong Kong

An international multidisciplinary firm specialising in architectural, planning, and interior design services, with expertise in large-scale public building projects.

- Developed conceptual designs and diagrams using Rhino, V-Ray, and Adobe CC.
- Assisted in project design and documentation, creating floor plans, elevations, sections, and details using AutoCAD across SD, DD, and CD stages.
- · Conducted statutory compliance checks to ensure design adherence to regulations.
- Attended site meetings from PRE to CD stages and participated in CA site inspection.

Graduate of Architecture

Nov 2016 - Jun 2018

Anna Kwong Architects & Associates | Hong Kong

A specialised practice led by Anna Kwong, with 40+ years of expertise in historic preservation, renovation, and religious architecture.

- Assisted in the DD and CD stages for a high-rise industrial development in AutoCAD.
- Attended site meetings across all project stages, from PRE to CA.
- · Developed conceptual and schematic designs using Rhino and V-Ray.
- Led feasibility studies for elderly home in collaboration with university researchers.

CORE SKILLS

Revit
 D5 Render
 GH ladybug tools

AutoCAD
 QGIS/ArcGIS

SketchUp • Python

Adobe Suite
 Nano Banana Al rendering

Rhino + GH + V-ray generation

Lumion
 LLM (OpenAI/ Gemini)

SOFT SKILLS

Digital autonomy
 Productivity & Efficiency

Community engagement

Client Management

Collaboration

Community

Work enthic

Time management

Empathy

Interpersonal skills

Leadership

· Cultural awareness

AWARDS & EXTRA-CURRICULAR

Finalist - One Drawing Challenge | Architizer

2022, Aqueous Rhizome

Winner - Best Final Year Project | City University of Hong Kong

2016, Honours Dissertations - Accessibility of Elderly Home

PROFESSIONAL AFFILIATIONS

Australian Institute of Architects | Australia

Graduate Member, 2022

Hong Kong Institute of Architects | Hong Kong

Graduate Member, 2016 -

AFFILIATIONS & EXTRA-CURRICULAR

CO-academy | Architectural Fellow

CO-architecture Program | 2025 -

Received training in networking, technical skills, personal branding and resume & portfolio review. Participated in King St Precinct project under supervision of architect Kevin Mitchem and Rafid Hai

Sculpture by the Sea, Erica Zaino

Sculpture and Registered Architect in Perth | Feb 2024

- Reviewed the structural integrity of the sculpture.
- Recommended locally sourced materials with appropriate specifications.

contents

new farm, qld

professional works

- boutique hotel perth, wa | hospitality
- 02. special school
 tuen mun, hong kong | institutional

- 03. renewable energy projects 2022-2024 multiple sites in wa and nsw | energy infrastructure/ utilities / retail
- 04. public toilet renovation tuen mun, hong kong | public architecture
- 05. school library renovation tuen mun, hong kong | institutional
- 06. clt vertical farm kai tak, hong kong | mixed-use high rise | competition

academic works

- 07. chandigarh regeneration chandigarh, india | urban design | competition
- 08. almshouse brisbane, australia | residential
- 09. sydney central campus sydney, australia | institutional

professional works

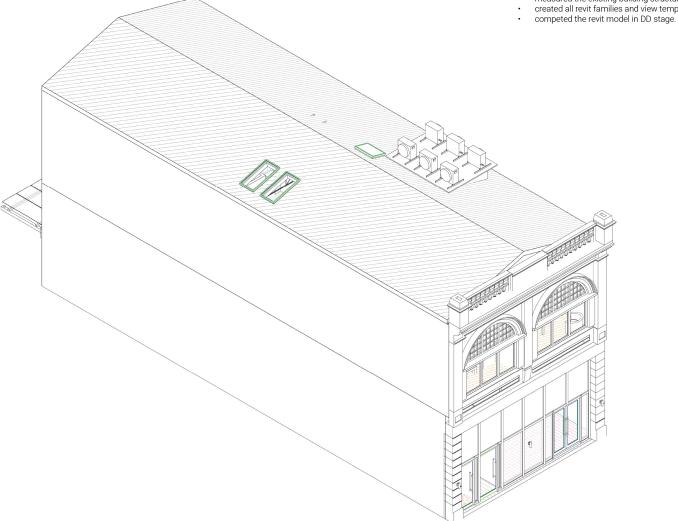
BOUTIQUE HOTEL IN KING ST MALL

Perth, WA | DD Working Drawings in Revit 2024 | 2025 - ongoing | Client: Annomyous owner of multiple properties along King St Architect: Kevin Mitchem & Rafid Hai (Hassell)

A hybrid hotel-retail experience within an adaptive reuse site in Perth. The repurposed building, 29 -31 King St, blends boutique accommodation with shoppable design to attract a new audience within the existing architectural shell. It aims to revive the cooled precinct following the departure of luxury brands after covid pandemic, and re-establish as a vibrant destination for affluent visitors.

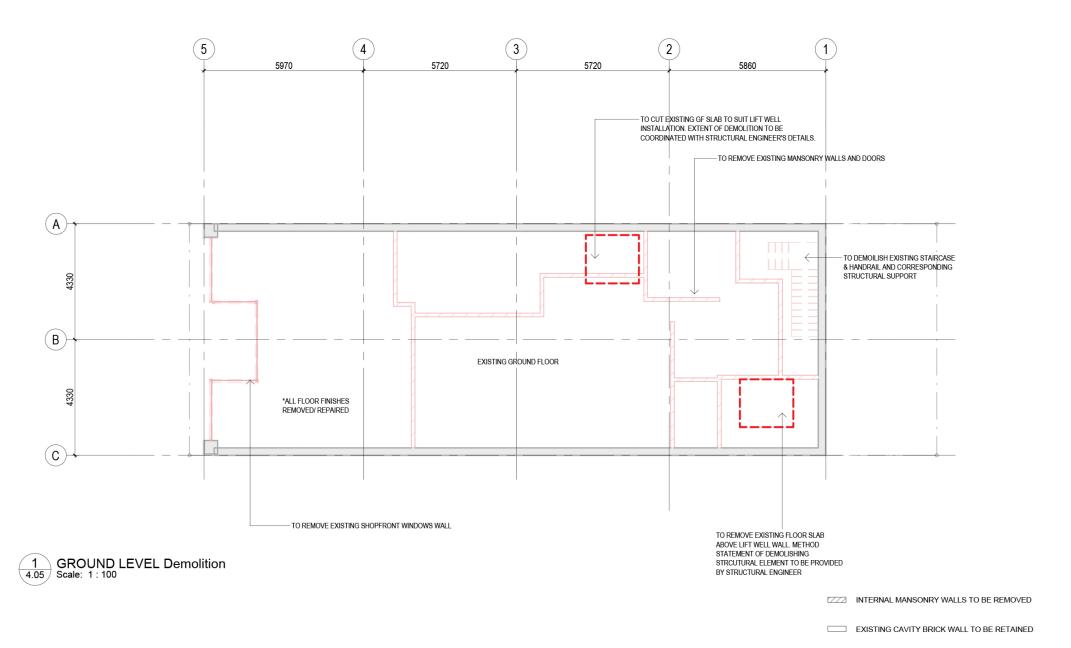
My contribution on this project:

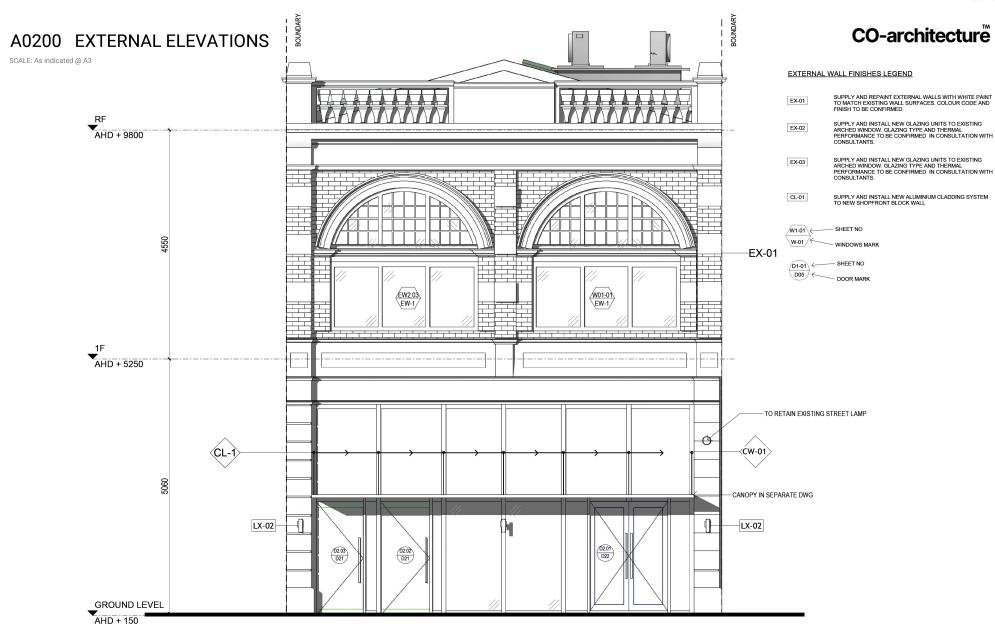
- measured the existing building structure and modelled the iconic facade.
- created all revit families and view templates.



A0090 DEMOLITION PLAN - BASEMENT, GF, 1F, RF SHEET 1

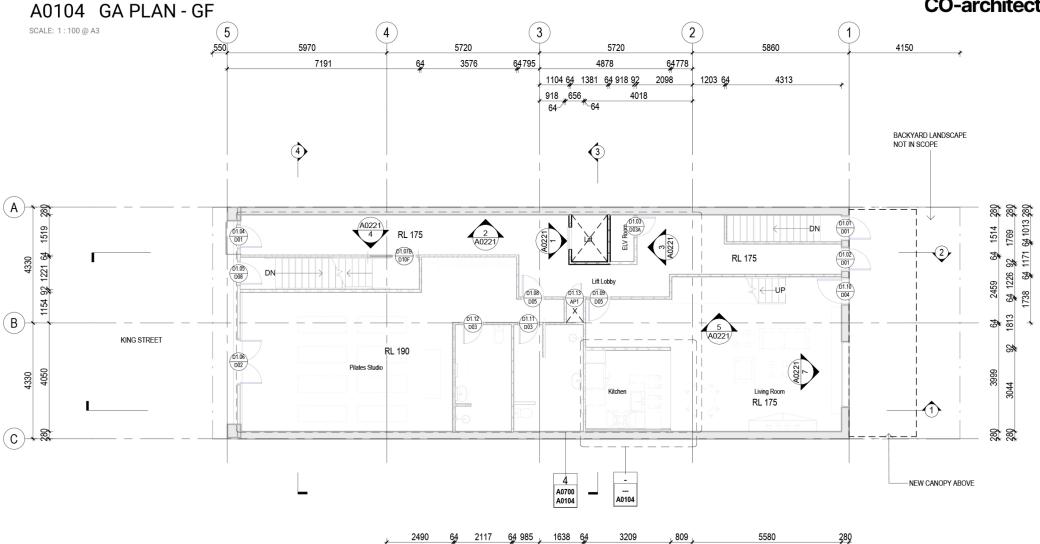
SCALE: 1:100@A3





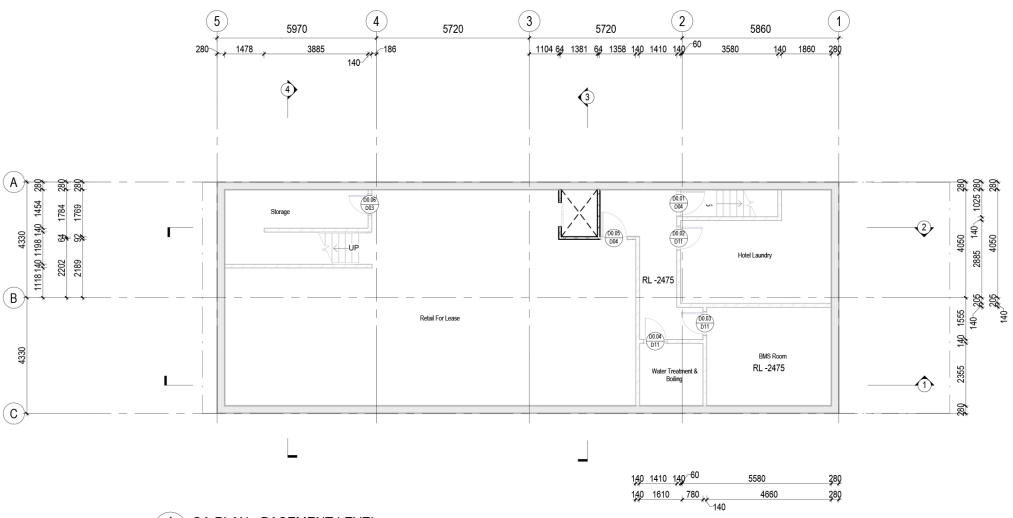


CO-architecture ™





SCALE: 1:100 @ A3

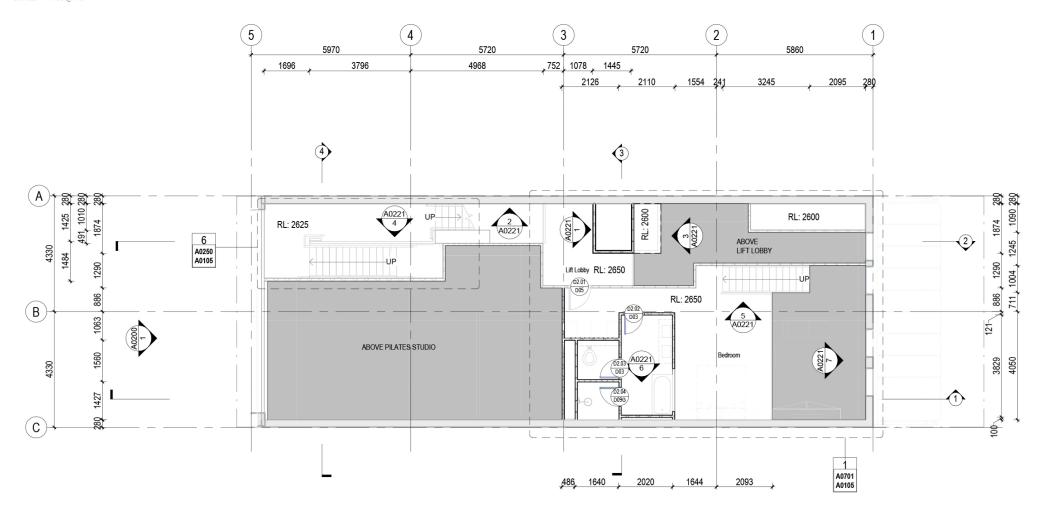


1 GA PLAN - BASEMENT LEVEL Scale: 1:100

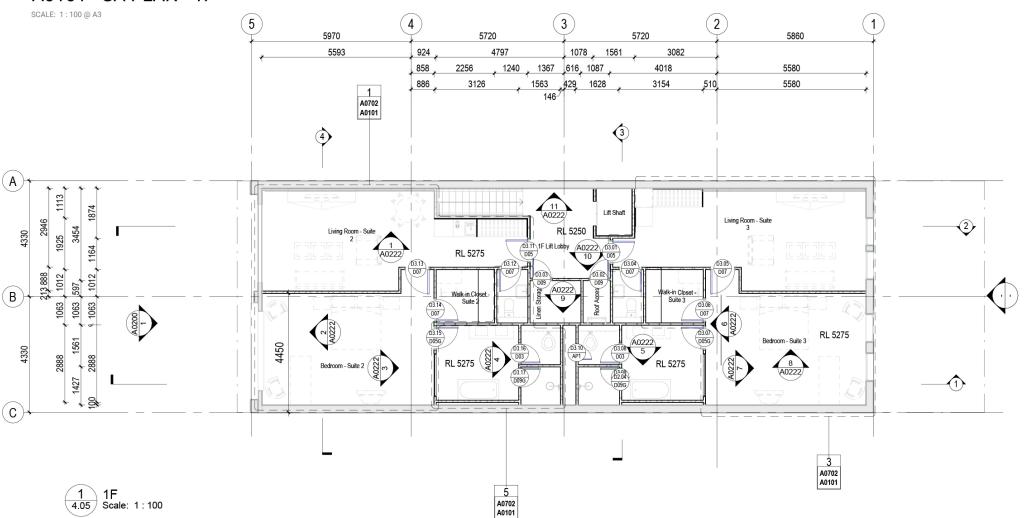
CO-architecture ™

A0105 GA PLAN - MF

SCALE: 1:100 @ A3



1 4.05 Mezzanine +2625 Scale: 1:100



A0103 GA FLOOR FINISHES PLAN - BASEMENT, GROUND & RL 2625

CO-architecture ™

SCALE: 1:100 @ A3



FLOOR FINISHES LEGEND

SUPPLY AND REPAINT EXTERNAL WALLS WITH WHITE PAINT TO MATCH EXISTING WALL SURFACES. COLOUR CODE AND FINISH TO BE CONFIRMED. EX-04

SUPPLY AND INSTALL NEW GLAZING UNITS TO EXISTING ARCHED WINDOW, GLAZING TYPE AND THERMAL PERFORMANCE TO BE CONFIRMED IN CONSULTATION WITH CONSULTANTS. EC-01

NON-SLIP ENGINEERED TIMBER FLOORING FL-01

300x300mm HOMOGENEOUS FLOOR TILES w/ MOULD-RESISTANT GROUT TO 25mm THK C/S SCREED FL-02

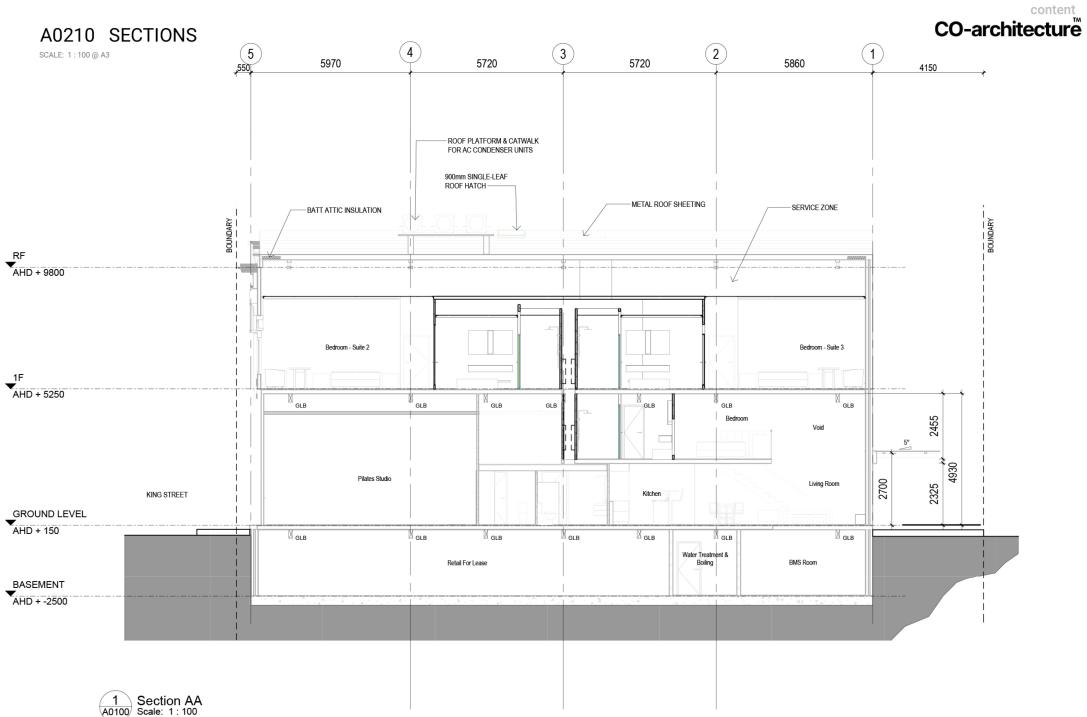
SOLID TONGUE-AND-GROOVE HARDWOOD FLOORBOARDS OVER EXISTING TIMBER FLOOR; APPLY 3-COAT LOW-VOC MATTE PU FINISH FL-03

NON-SLIP HOMOGENEOUS FLOOR TILES W/ MOULD-RESISTANT GROUT TO WET AREA FL-04 ON APPROVED DAMP-PROOF MEMBRANE SYSTEM TO 25mm THK C/S SCREED

1 GA FINISHES PLAN - GROUND LEVEL Scale: 1:100

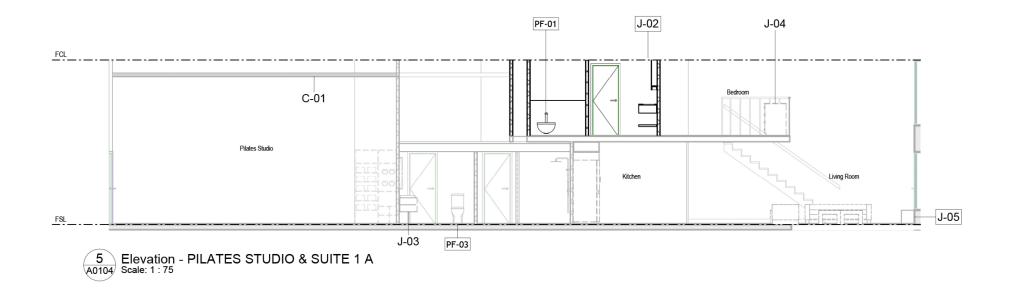


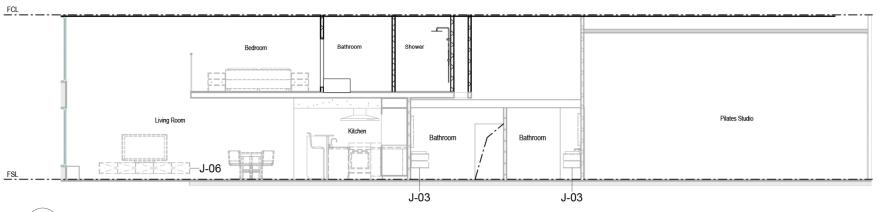




A0221 INTERNAL ELEVATIONS GF

SCALE: 1:75 @ A3



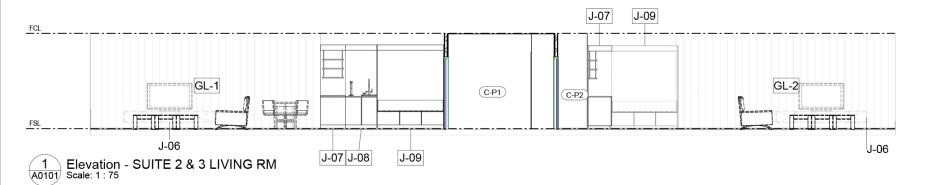


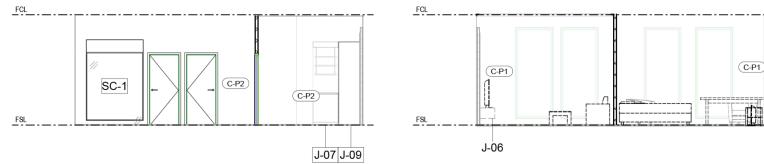
6 Elevation - PILATES STUDIO & SUITE 1 B Scale: 1:75

A0222 INTERNAL ELEVATIONS 1F

CO-architecture

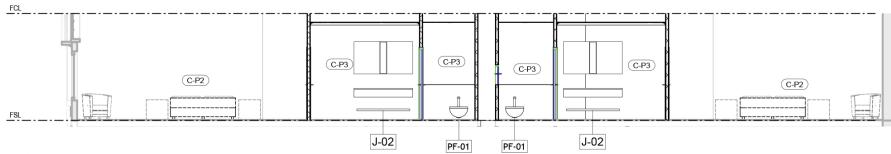
SCALE: 1:75 @ A3





6 Elevation - SUITE 2 FACING WET AREA Scale: 1:75

 $\frac{7}{\text{A0101}}$ SUITE 2 - LIVING RM & BEDROOM FACING WINDOWS

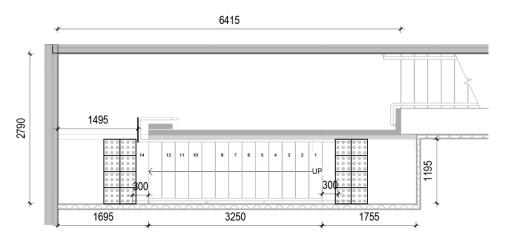


8 Elevation - SUITE 2 & 3 BEDROOMS & WET AREAS Scale: 1:75

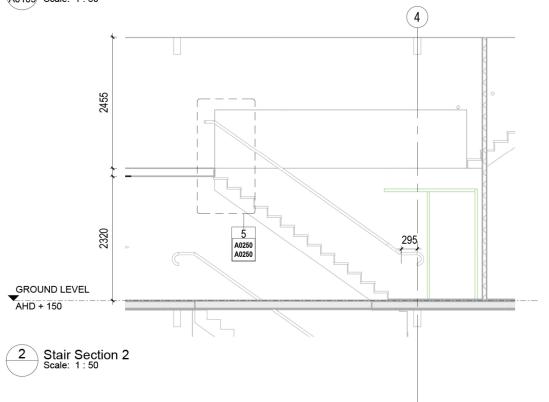
CO-architectur[™]

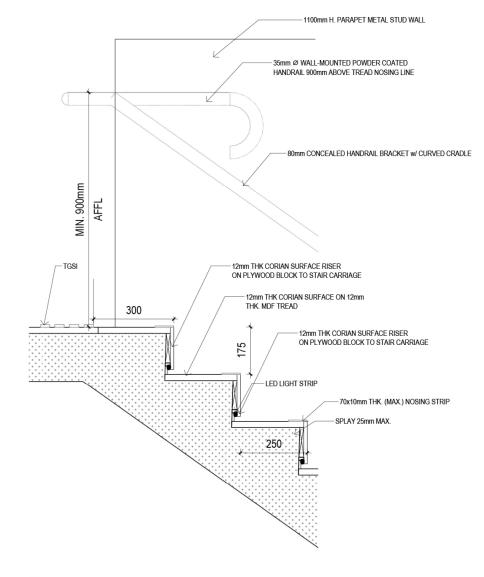
A0250 RAMPS, STAIR & LIFT CORE DETAILS SHEET 1

SCALE: As indicated @ A3



6 Landing +2625 Copy 1 - Callout 1 Scale: 1:50





5 Stair Section 2 - Callout 1 Scale: 1:10

	NEW DOOR SCHEDULE									
Mark	Туре	Frame Type	Panel Type	Frame Finish	Panel Finish	Width	Height	pa_DoorCloser	Seal	pa_DoorLock
								1		
D0.01	D04	WD	НМ	PT-02 WARM GREY	PT-02 WARM GREY	910	1980	Υ		Y - FAIL SAFE
D0.02	D11	WD	WD	PT-02 WARM GREY	PT-02 WARM GREY	810	1980			Y - DEADBOLT LOCK
D0.03	D11	WD	WD	PT-02 WARM GREY	PT-02 WARM GREY	810	1980			Y - DEADBOLT LOCK
D0.04	D11	WD	WD	PT-02 WARM GREY	PT-02 WARM GREY	810	1980			Y - DEADBOLT LOCK
D0.05	D04	WD	НМ	PT-02 WARM GREY	PT-02 WARM GREY	910	1980	Υ		Y - FAIL SAFE
D0.06	D03	AL	HM	LM-02 LIGHT GREY	LM-02 LIGHT GREY	710	1980			
D1.01	D01	AL	HM	LM-03 MATT WHITE	LM-03 MATT WHITE	810	1980	Υ		Y - MAGNETIC SMART DOOR LOCK w/ INTERCOM
D1.02	D01	AL	HM	LM-03 MATT WHITE	LM-03 MATT WHITE	810	1980	Υ		Y - MAGNETIC SMART DOOR LOCK w/ INTERCOM
D1.03	D03A	AL	HM	MATCHING WALL MATL	LM-05 HAIRLINE S.S.	710	1980	Υ		Υ
D1.04	D01	AL	HM	LM-03 MATT WHITE	LM-03 MATT WHITE	810	1980	Υ		Y - MAGNETIC SMART DOOR LOCK w/ INTERCOM
D1.05	D08	-	ALGL	-	GL	810	1980			Y - FAIL SAFE
D1.06	D02	-	ALGL	-	GL	1620	2005	Υ		MAGNETIC SMART DOOR LOCK w/ INTERCOM
D1.07	D06G	AL	ALGL	-	GL	0	0			
D1.07A	D10P	-	ALGL	-	ALGL	0	0			
D1.07B	D10F	AL	-	LM-06 MATT BLACK	-	500	2040			MAGNETIC SMART DOOR LOCK w/ INTERCOM
D1.08	D05	AL	НМ	LM-01 BRONZE	LM-01 BRONZE	810	1980	Υ	SC & AC	MAGNETIC SMART DOOR LOCK w/ INTERCOM
D1.09	D05	AL	НМ	LM-01 BRONZE	LM-01 BRONZE	810	1980	Υ	SC & AC	MAGNETIC SMART DOOR LOCK w/ INTERCOM
D1.10	D04	AL	НМ	LM-03 MATT WHITE	LM-03 MATT WHITE	910	1980	Y		Y - FAIL SAFE
D1.11	D03	AL	НМ	LM-04 SATIN WHITE	LM-04 SATIN WHITE	710	1980			
D1.12	D03	AL	HM	LM-04 SATIN WHITE	LM-04 SATIN WHITE	710	1980			
D1.13	AP1	AL	AL	MATCHING WALL MATL	LM-05 HAIRLINE S.S.	500	500			Y - DEADBOLT LOCK
D2.01	D05	AL	HM	LM-01 BRONZE	LM-01 BRONZE	810	1980	Y	SC & AC	MAGNETIC SMART DOOR LOCK w/ INTERCOM
D2.02	D03	AL	HM	LM-03 MATT WHITE	LM-03 MATT WHITE	710	1980	<u> </u>		
D2.03	D03	AL	HM	LM-03 MATT WHITE	LM-03 MATT WHITE	710	1980			
D2.04	D09G	-	1	-	GL	715	2050	+		
D3.01	D05	AL	НМ	LM-01 BRONZE	LM-01 BRONZE	810	1980	Y	SC & AC	MAGNETIC SMART DOOR LOCK w/ INTERCOM
D3.02	D09	AL	HM	LM-03 MATT WHITE	LM-03 MATT WHITE	710	2040	<u>'</u>	00 0710	MATCHETTIC CHARLET BOOK ESON WATER COM
D3.03	D09	AL	HM	LM-03 MATT WHITE	LM-03 MATT WHITE	710	2040			
D3.04	D07	AL	WD	LM-03 MATT WHITE	LM-03 MATT WHITE	810	1980			Y - DEADBOLT LOCK
D3.05	D07	AL	HM	LM-03 MATT WHITE	LM-03 MATT WHITE	910	1980			1 BEABBOLT ECON
D3.06	D07	AL	WD	LM-03 MATT WHITE	LM-03 MATT WHITE	810	1980			Y - DEADBOLT LOCK
D3.00	D05G	AL	HMG	LM-06 MATT BLACK	LM-06 MATT BLACK	810	1980		SC & AC	1 - DEADBOLT EOOR
D3.07	D03G	AL	HM	LM-03 MATT WHITE	LM-03 MATT WHITE	710	1980		30 & A0	
D3.00 D3.09	D09G	\n_	1 IIVI	LIVI-03 IVIATT VVIIITE	GI.	715	2050			
		AL	AL	MATCHING WALL MATL	LM-05 HAIRLINE S.S.	500	500			Y - DEADBOLT LOCK
D3.10	AP1		HM					Y	50.8.40	
D3.11	D05	AL		LM-01 BRONZE	LM-01 BRONZE	810	1980	Ť	SC & AC	MAGNETIC SMART DOOR LOCK w/ INTERCOM
D3.12	D07	AL	WD	LM-03 MATT WHITE	LM-03 MATT WHITE	810	1980			Y - DEADBOLT LOCK
D3.13	D07	AL	HM	LM-03 MATT WHITE	LM-03 MATT WHITE	910	1980			

810

810

710

715

1980

1980

1980

2050

D3.14

D3.15

D3.16

D3.17

D07

D03

D09G

D05G

AL

AL

AL

WD

HMG

НМ

LM-03 MATT WHITE

LM-06 MATT BLACK

LM-03 MATT WHITE

LM-03 MATT WHITE

LM-06 MATT BLACK

LM-03 MATT WHITE

GL



AC

AP

GL

НМ

DOOR NUMBER LEGEND

ACOUSTIC SEAL ALUMINIUM ALGL ALUMINIUM GLAZED

ACCESS PANEL

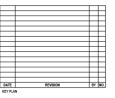
GLAZING HOLLOW METAL HMG

GALVANISED HOLLOW METAL

LM LAMINATE METAL POWDERCOATED FINISH

PC PAINT FINISH

SC SOUND SEAL WD SOLID WOOD



BOUTIQUE HOTEL CLUSTER AT

Y - DEADBOLT LOCK

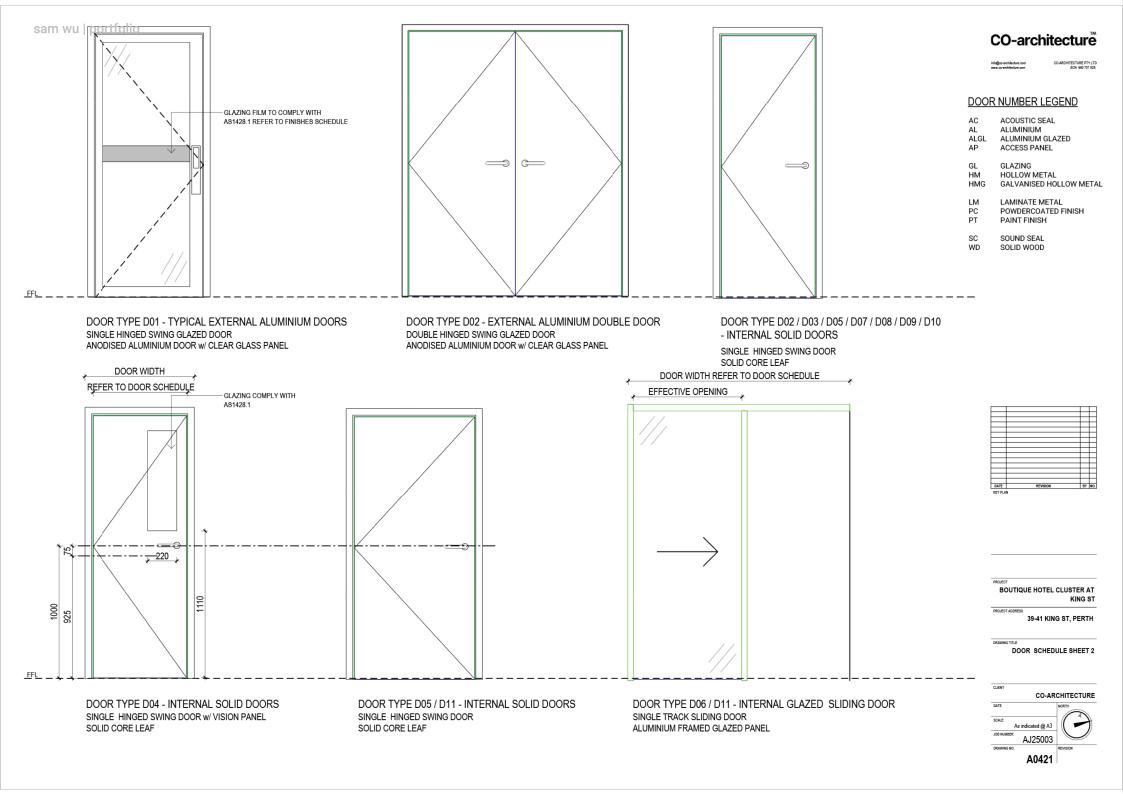
SC & AC

39-41 KING ST, PERTH

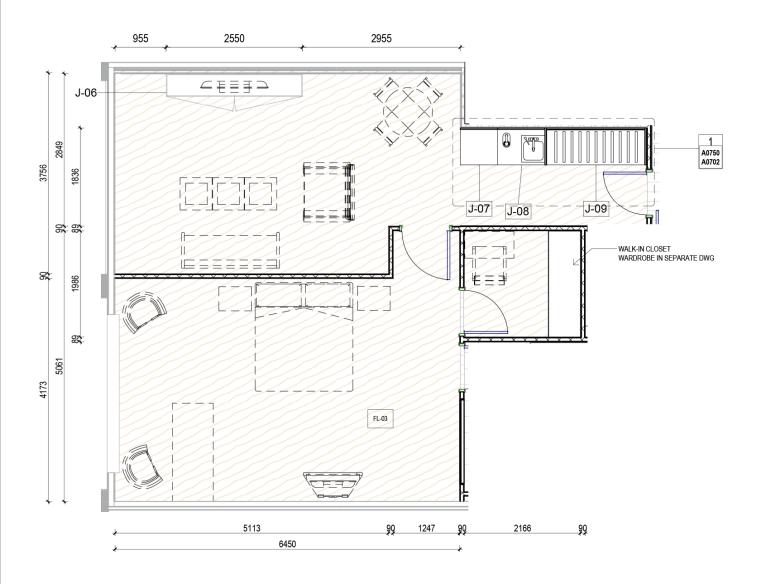
DRAWING TITLE

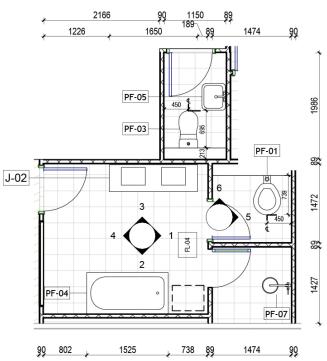
DOOR SCHEDULE SHEET 1





SCALE: 1:50 @ A3

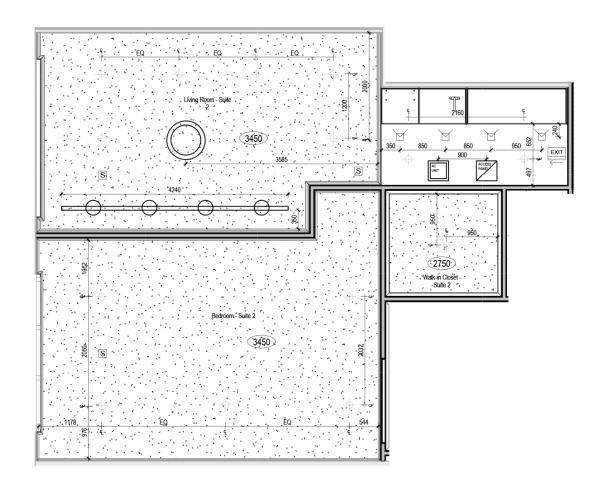


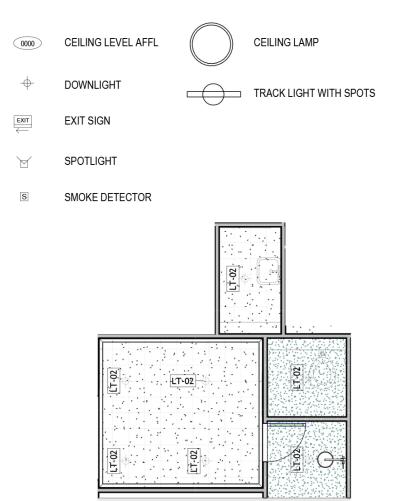


CO-architectur[™]

A0703 1F FITOUT PLAN & RCP Copy 1

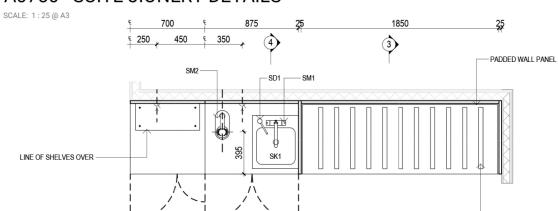
SCALE: As indicated @ A3



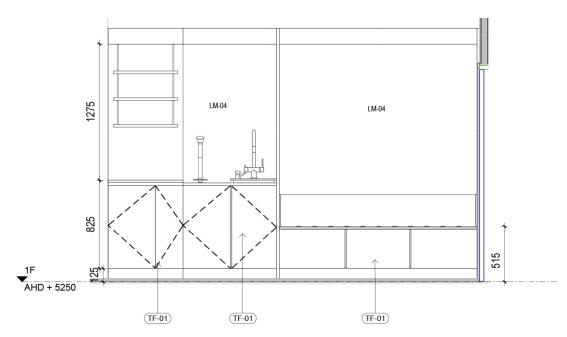


A0750 SUITE JIONERY DETAILS

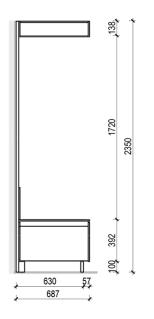
CO-architecture content ™



1 A0702 1F - SUITE 2 FITOUT PLAN - Callout 1 Scale: 1:25

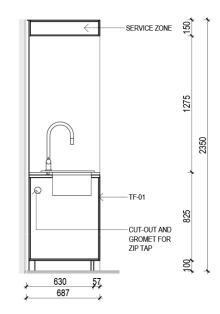


2 Elevation Luggage Rack & Kitchenette Scale: 1:25





LUGGAGE STORAGE PROTECTION RAILS



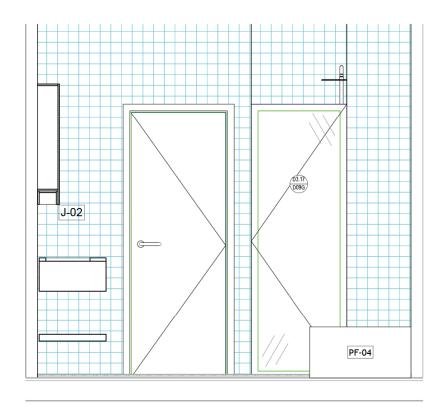
4 Section 4 Scale: 1:25



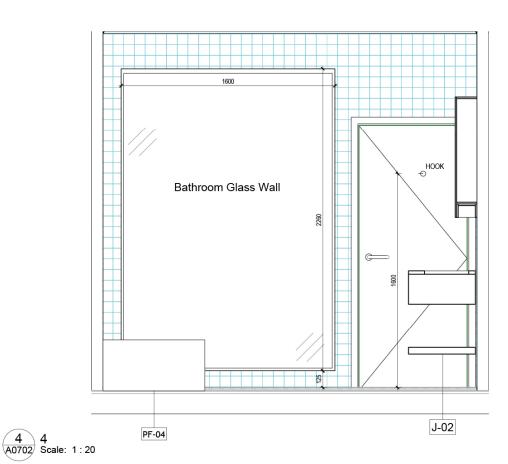
5 3D View Scale:

A0708 1F WET AREA FITOUT ELEVATIONS

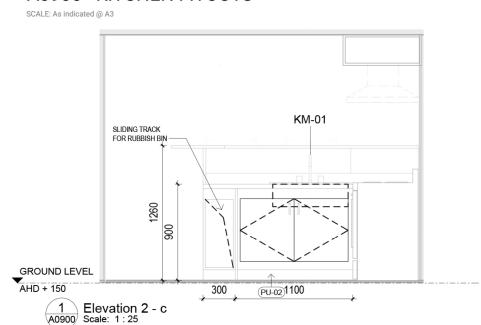
SCALE: 1:20 @ A3

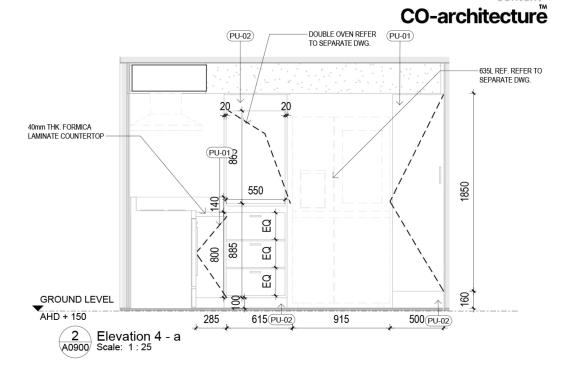


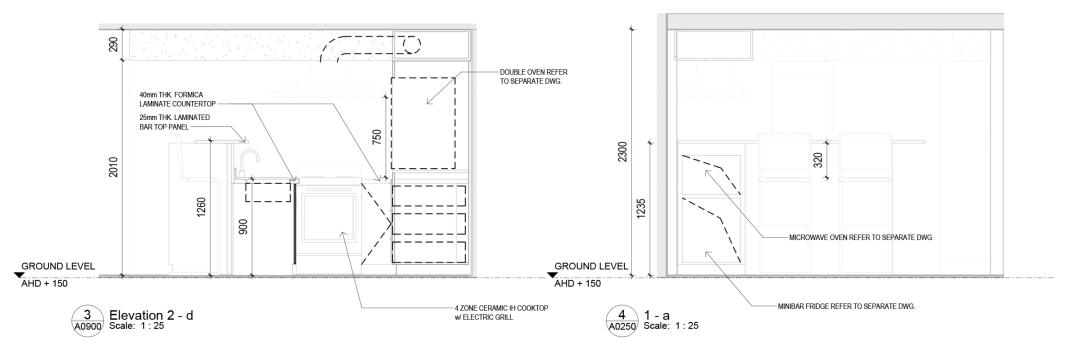




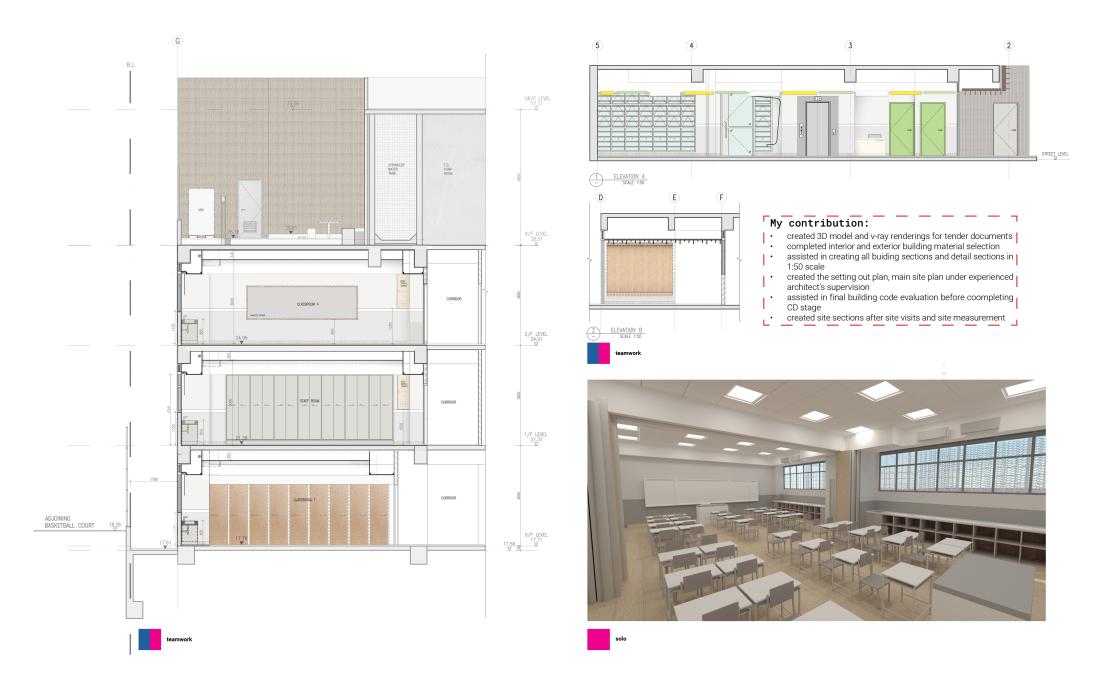
A0900 KITCHEN FITOUTS

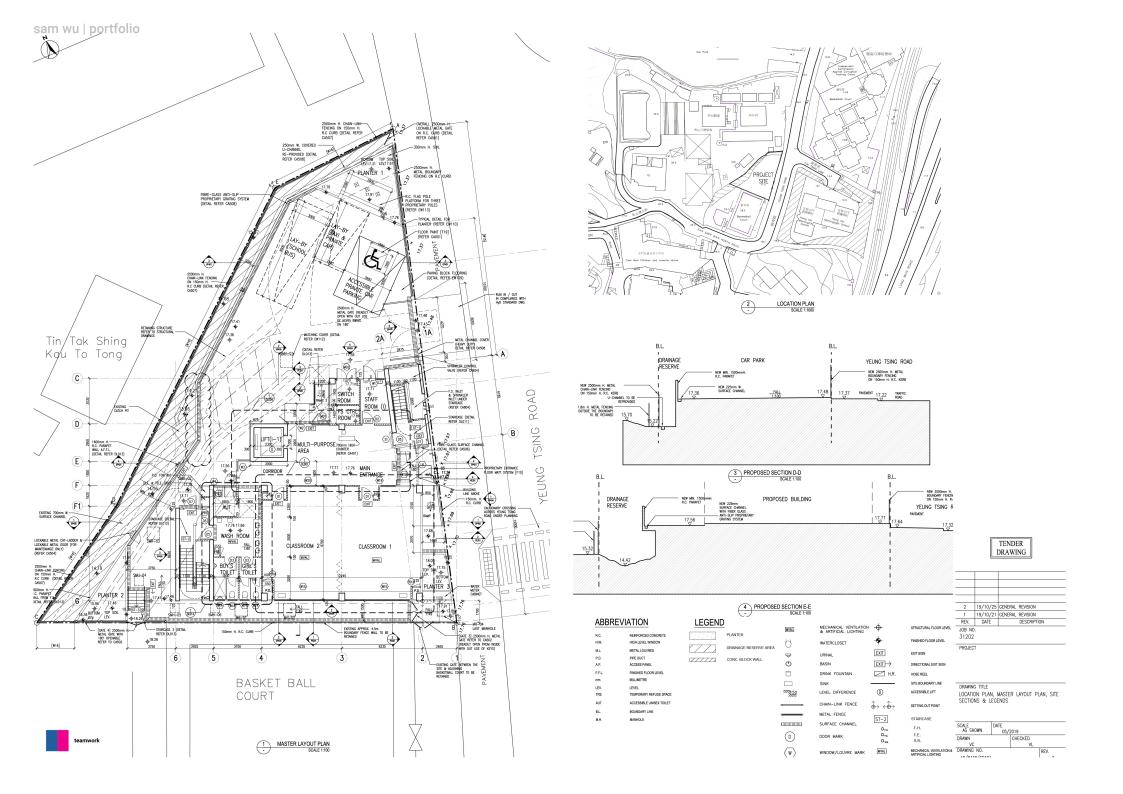


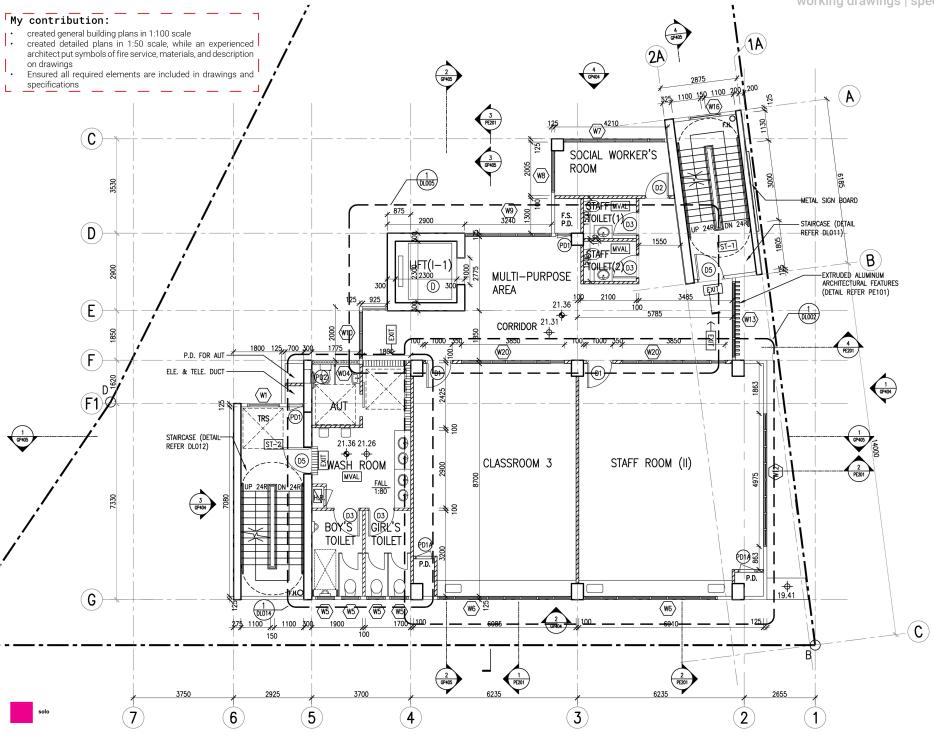


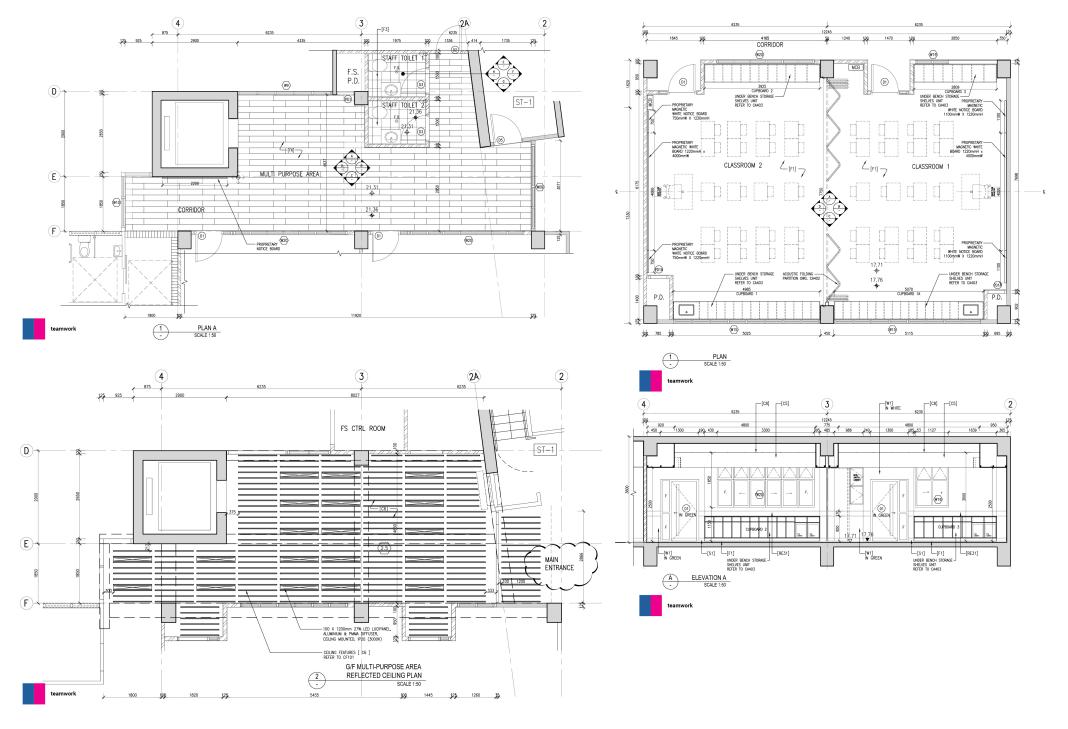


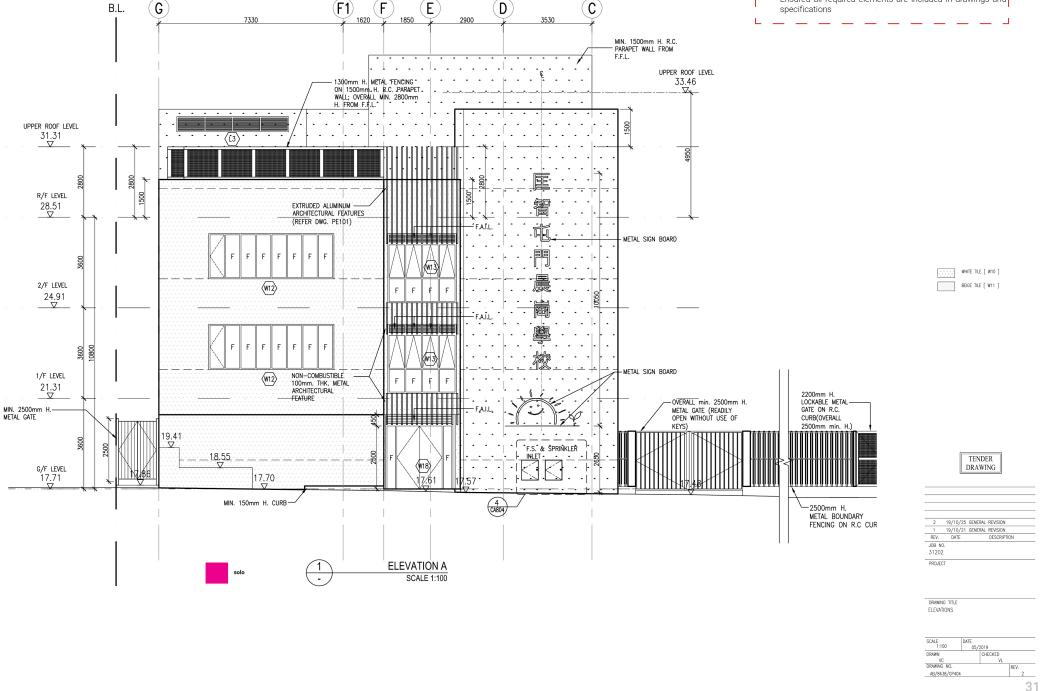






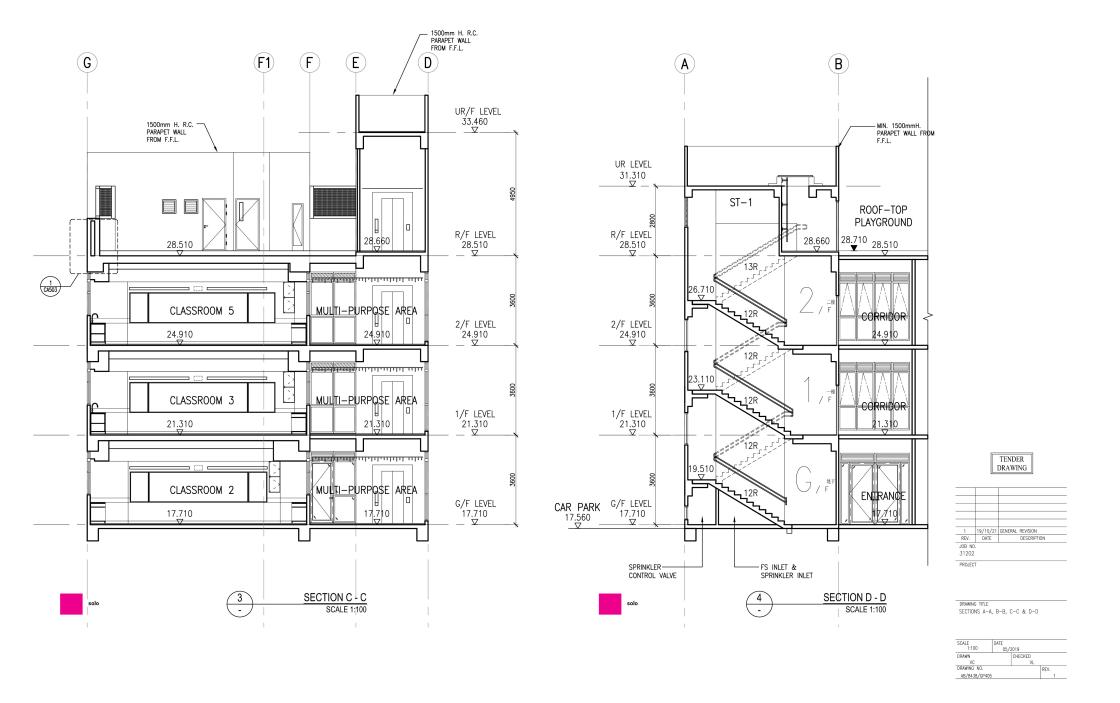






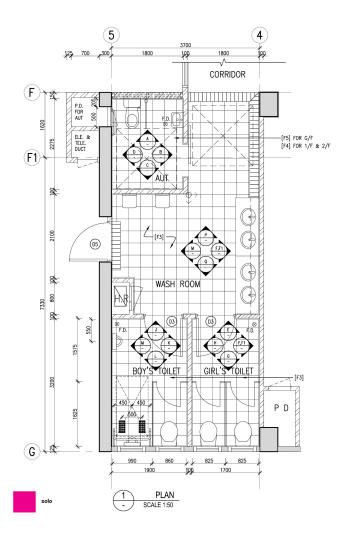
My contribution:

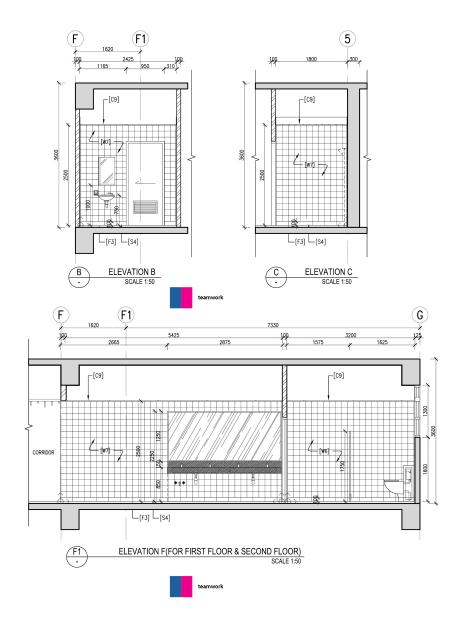
- created all building elevations and sections in 1:100 scale
- created architecture feature applied to main facade
- Ensured all required elements are included in drawings and



My contribution:

- created detailed plans and elevations of WASH ROOM in 1:50 scale with experienced draftspersons
 applied material and plumbling fixtures to drawings
 assisted in creating door schedule; specification and
- description completed by an experienced architect
- Ensured all required elements are included in drawings and specifications







DRAWING TITLE
LAYOUT & ELEVATIONS OF TYPICAL WASH
RM, BOYS' & GIRLS' TOILET

SCALE 1:50	DATE 09/2		
DRAWN		CHECKED	
VC		VL.	
DRAWING NO.			REV.
AB/8438/DL014			1

ELEVATION	VISON PAREL SE PALL HANGE & SE	S.S. PILL INNOLE & LUCKSTI B B B B B B B B B B B B B B B B B B B	SS PALL INVOLET BY THE PARTY OF	PANC ENVE FOR LAST DOOR OF SHARKER	
DOOR MARK	D1)	D2	(D3)	(D4)	
OPENING SIZE	950mm(W) x 2100mm(H) , 1350mm OVERALL	950mm(W) x 2100mm(H)	950mm(W) x 2100mm(H)	950mm(W) x 2100mm(H)	
OF ENING SIZE	CLASSROOMS, STAFF ROOM AT 1/F, SPEECH THERAPY ROOM	STAFF ROOM AT G/F, SOCIAL WORKER'S ROOM & SPEECH THERAPY ROOM	BOY'S TOILET, GIRL'S TOILET AND STAFF TOILET	STAIRCASE AT ROOF	
LOCATION					
FRAME CONSTRUCTION	TIMBER FRAME WITH TIMBER ARCHITRAVE IN MATT PAINT FINISH WITH MATCHING COLOUR TO DOOR PANEL	TIMBER FRAME WITH TIMBER ARCHITRAVE IN MATT PAINT FINISH WITH MATCHING COLOUR TO DOOR PANEL	TIMBER FRAME WITH TIMBER ARCHITRAVE IN MATT PAINT FINISH WITH MATCHING COLDUR TO DOOR PANEL	MIN. 1.7mm THK. G.M.S. FRAME FINISHED IN PYDF COATING IN STANDARD RAL COLOUR	
DOOR PANEL CONSTRUCTION	SOLID TIMBER CORE DOOR WITH 1.0mm THK. PLASTIC LAMINATE ON BOTH SIDES AND CLEAR TEMPERED GLASS VISION PANEL. HARDWOOD LIPPING AROUND AND COLOR TO MATCH DOOR PANEL.	SOLID TIMBER CORE DOOR WITH 1.0mm THK. PLASTIC LAMINATE ON BOTH SIDES HARDWOOD LIPPING AROUND AND COLOR TO MATCH DOOR PANEL.	SOLID TIMBER CORE DOOR WITH 1.0mm THK, PLASTIC LAMINATE ON BOTH SIDES HARDWOOD LIPPING AROUND AND COLOR TO MATCH DOOR PANEL.	MIN. 1.3mm THK. GM.S. CLADDING ON G.M.S. STRUCTURAL FRAME WITH (-/50/50) FIRE RESISTANCE RATING & CLEAR FIRE-RESISTANCE-RATING GLASS VISION PANEL; DOOR TO BE FINISHED IN PYOF COATING IN STANDARD RAL COLOR	
FIRE RESISTANCE RATING	-	_	-	(-/60/60) FOR DOOR AT STAIRCASE ST-1 ROOF ONLY	
REMARKS	MASTER KEY SYSTEM AND KEY ALIKE SYSTEM INCLUDED; DOOR STOP TO BE PROVIDED; TIMBER TRIMMER TO BE FINISHED IN MAIT PAINTING WITH MATCHING COLOR TO DOOR PANEL; SELF-CLOSING DOOR.	MASTER KEY SYSTEM AND KEY ALIKE SYSTEM INCLUDED; DOOR STOP TO BE PROVIDED; TIMBER TRIMMER TO BE FINISHED IN MATT PAINTING WITH MATCHING COLOR TO DOOR PANEL; SELF-CLOSING DOOR.	MASTER KEY SYSTEM AND KEY ALIKE SYSTEM INCLUDED; DOOR STOP TO BE PROVIDED; TIMBER TRIMMER TO BE FINISHED IN WATT PAINTING WITH MATCHING COLOR TO DOOR PANEL; SELF-CLOSING DOOR.	SELF-CLOSING DOOR; FIRE & SMOKE SEAL ALL AROUND THE DOOR WITH SMOKE DROP SEAL AT THE BOTTOM (FOR FRR DOOR ONLY); DOOR STOP TO BE PROVIDED, TIMBER TRIMMER TO BE FINISHED IN MATT PAINTING WITH MATCHING COLOR TO DOOR PANEL; PANIC DEVICE SIGNAL TO BE CONNECTED TO STAFF ROOM SIGNAL BOARD	
ELEVATION	VISION FINEL 200mp N. ROX FILE 10 PUSH FIRE 10 PUSH FIR	SS. PULL INNOLE A LOCKET OFFINE SEE 550 OFF	PRIME BOX FOR SYLVERON BY STREET, STATE BOX FOR SYLVERON BY STATE BOX FOR SYLVERON BY STATE B	GTTCING. GUAR WIDH WISH, 800 3.00T GREEDON 4.30-chan 5.5 setting, chap inc. W/ GRE-SPEC of will, John CLOR S. SETTING 4.30-chan 5.5 setting, chap inc. W/ GRE-SPEC of will, John CLOR S. SETTING S. SETING S.	
DOOR MARK	(05)	(06)	(07)	(D8)	
OPENING SIZE	950mm(W) x 2100mm(H) STAIRCASE	950mm(W) x 2100mm(H) FS & SPRINKLER PUMP ROOM	950mm(W) x 2100mm(H)	800mm min. (W) x 2100mm(H) AUTs	
	J PAINCASE.	12 α STUNNALER PUMP WUUM	EXIT DOOR AT G/F OF STAIRCASE ST-1, ST-2	NIIS	
LOCATION	TIMBER FRAME WITH TIMBER ARCHITRAVE IN MATT PAINT FINISH WITH MATCHING	TIMBER FRAME WITH TIMBER ARCHITRAVE IN MATT PAINT FINISH WITH MATCHING	MIN. 1.7mm THK. G.M.S. FRAME FINISHED IN PVDF COATING IN STANDARD RAL COLOUR	N.I.L	
FRAME CONSTRUCTION	COLOUR TO DOOR PANEL	COLOUR TO DOOR PANEL SOLID TIMBER CORE DOOR WITH 1.0mm THK. PLASTIC LAMINATE ON BOTH SIDES			
DOOR PANEL CONSTRUCTION	SOLID TIMBER CORE DOOR WITH 1.0mm THK. PLASTIC LAMINATE ON BOTH SIDES AND CLEAR TEMPERED GLASS VISION PANEL. HARDWOOD LIPPING AROUND AND COLOR TO MATCH DOOR PANEL.	SOLID IMMER CORE DOOR WITH LOWIN THE PLASTIC CAMINALE ON BOTH SIDES HARDWOOD LIPPING AROUND AND COLOR TO MATCH DOOR PANEL.	MIN. 1.3mm THK. G.M.S. CLADDING ON G.M.S. STRUCTURAL FRAME WITH (-/60/60) FIRE RESISTANCE RATING; DOOR TO BE FINISHED IN PYOF COATING IN STANDARD RAL COLOR	18mm THK, PLYWOOD WITH 1.0mm THK, PLASTIC LAMINATE ON BOTH SIDES ON 80x40x4mm THK, RHS, G.M.S. STRUCTURAL FRAME WITH 50x80x2mm THK, S.S. END CAP AROUND THE DOOR PANEL	
FIRE RESISTANCE RATING	(-/60/60)	(-/60/60)	(-/60/60)	_	
REMARKS	SELF-CLOSING DOOR; FIRE & SMOKE SEAL ALL AROUND THE DOOR WITH SMOKE DROP SEAL AT THE BOTTON; DOOR STOP TO BE PROVIDED/TIMBER TRIBIMER TO BE FINISHED IN MAIT PAINTING WITH MATCHING COLOR TO DOOR PANEL; PANIC DEVICE SIGNAL TO BE CONNECTED TO STAFF ROOM SIGNAL BOARD	MASTER KEY SYSTEM AND KEY ALIKE SYSTEM. SELF-CLOSING DOOR; TIMBER TRIMMER TO BE FRINSH IN MATT PAINTING WITH MATCHING COLOUR TO DOOR PANEL; FIRE & SMOKE SEAL ALL AROUND THE DOOR WITH SMOKE DROP SEAL AT THE BOTTOM; DOOR STOP TO BE PROVIDED	THE LOCKING DEVICE SHOULD BE OF THE TYPE THAT IS CAPABLE OF BEING READILY OPENED FROM INSIDE WITHOUT THE USE OF KEY. PAINC DEVICE SIGNAL TO BE CONNECTED TO STAFF ROOM SIGNAL BOARD-SELF-CLOSING DOOR; RIRE & SMOKE SEAL ALL AROUND THE DOOR WITH SMOKE DROP SEAL AT THE BOTTOM; DOOR STOP TO BE PROVIDED	ASSEMBLING DETAIL REFER TO CA105; THE SLIDING DOOR SYSTEM IS POWER OPERATED;	

toilet elevation and door detail

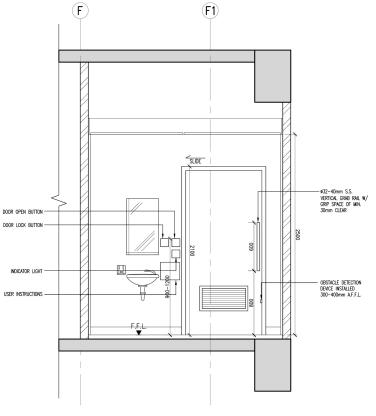
GYPSUM BOARD BULK HEAD

working drawings | special school extension

My contribution:

SUPPORT FRAME BY MAIN

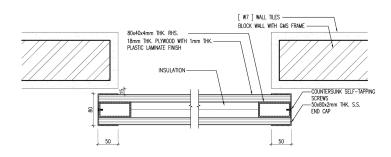
- created detailed plans, elevations and assembly details of disabled toilet with automatic sliding door and pre-cast staircase
- applied my experience on prrecast structure gained from previous role
- communicated with statutory checkers on the design of an automatic sliding door to a disabled toilet



2 TYP. ACCESSIBLE UNISEX TOILET - INTERNAL
SCALE 1:25

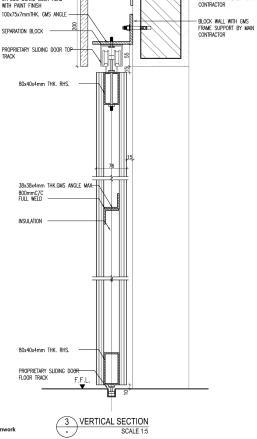
NOTE: BILINGUAL CHARACTERS AND BRAILLE AND TACTILE MARKINGS SHOULD BE PROVIDED FOR CONTROL BUTTONS & USER INSTRUCTIONS

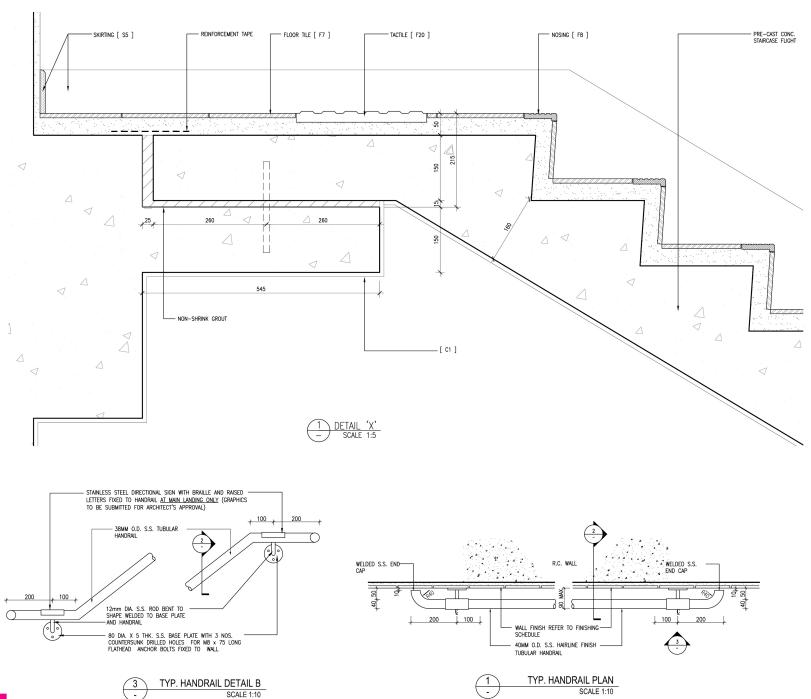
BACK-UP EMERGENCY POWER SUPPLY SHOULD BE PROVIDED FOR AT LEAST 20 MINS. IN POWER FAILURE SITUATION.

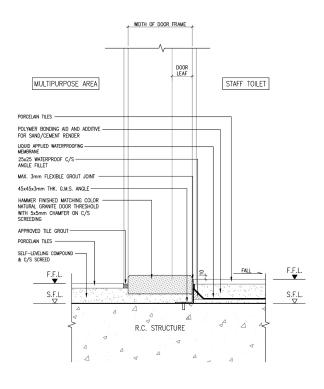


HORIZONTAL SECTION
SCALE 1:5

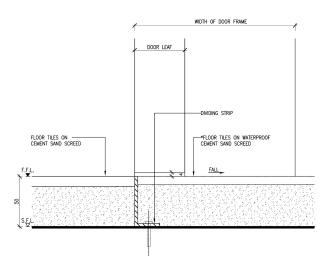




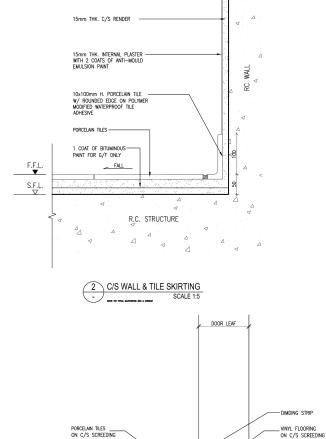




1 THRESHOLD DETAIL - FOR STAFF TOILET TOILET SCALE 1:5



1 TYPICAL TRANSITION BETWEEN TILE & WATERPROOF TILE

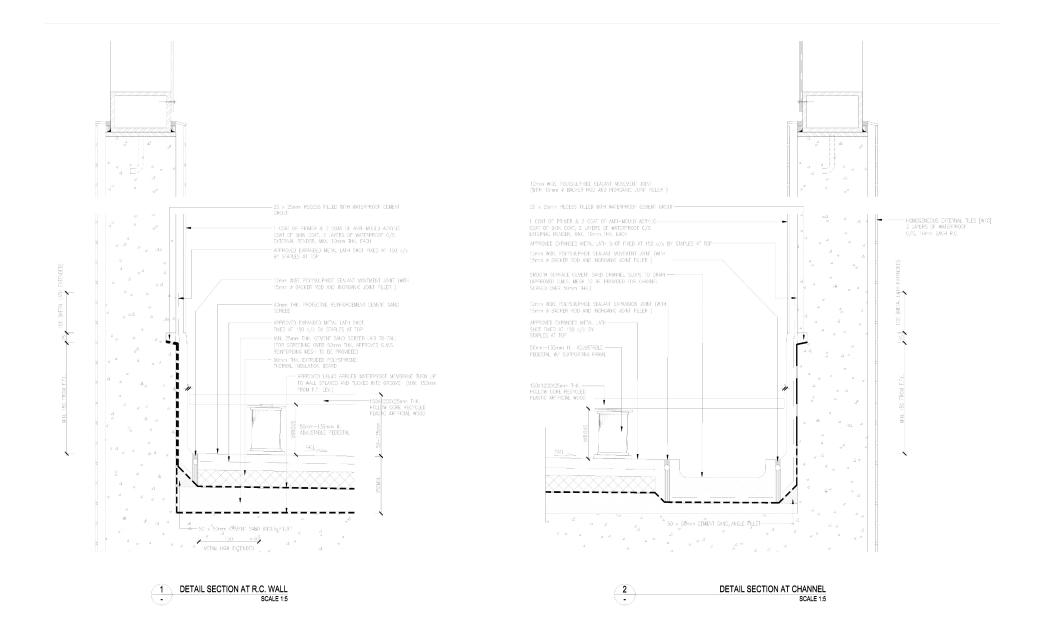


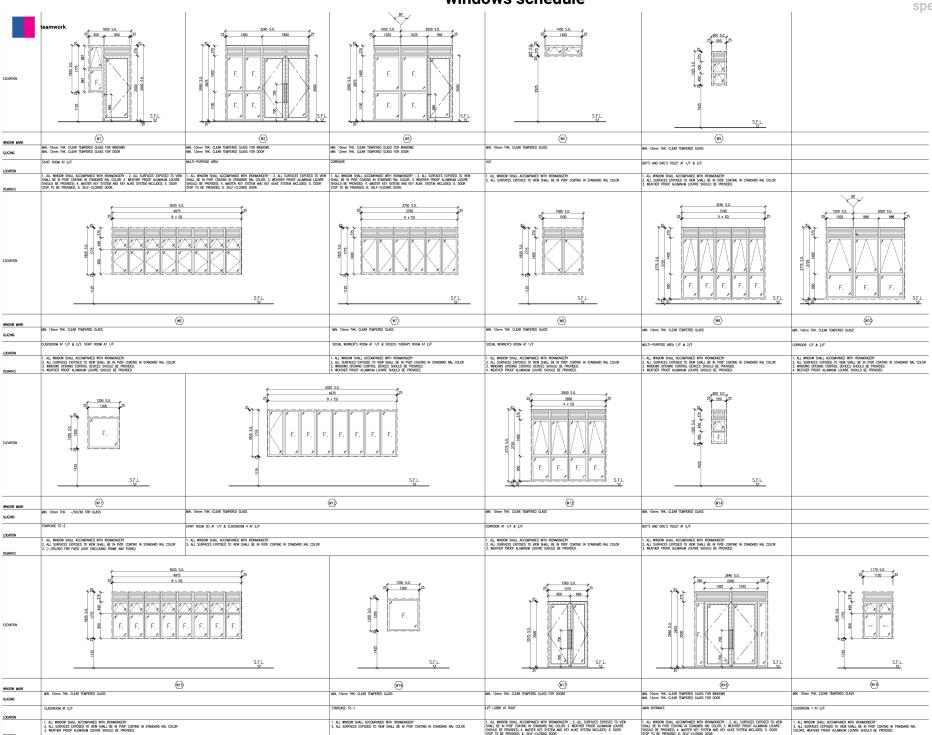
FFL

2 TYPICAL TRANSITION BETWEEN VINYL FLOOR & TILE

4

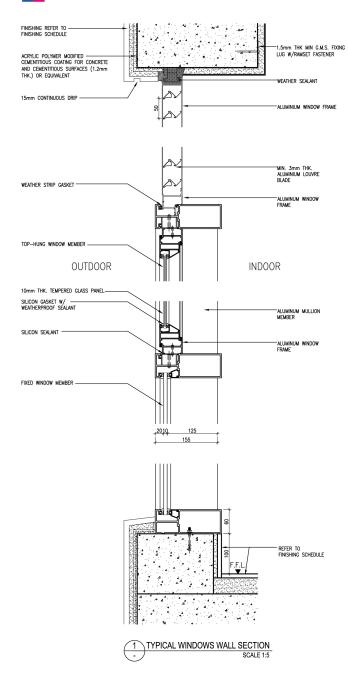
- created detail drawing of parapet wall-roof waterproof system with raised timber deck
- created wall/floor and threshold details
- applied my experience on waterproofing construction gained from previous role



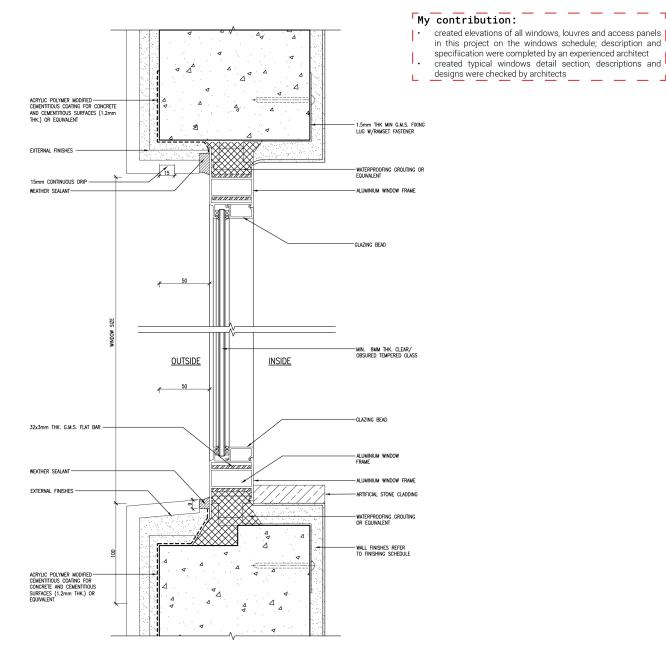


sam wu | portfolio





windows detail



TYPICAL ALUMINUM WINDOW SECTION (FIXED)
SCALE 1:2

My contribution:

- created site analysis, PRE stage & SD stage drawing sets created renderings and presentation packages
- participated in preparing submission packages
- participated in community engadgement programs, seminars, workshops and exhibition about renewable technology

3.1 PERTH AIRPORT HYDROGEN STATION



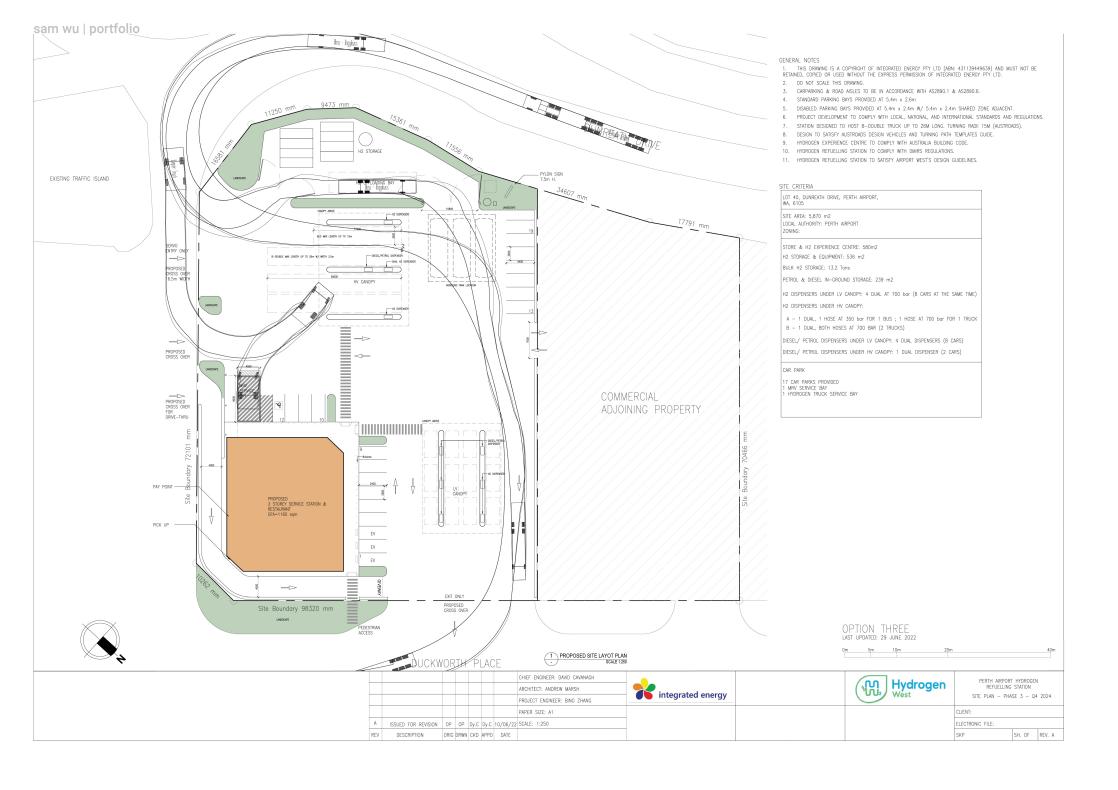
RENEWABLE ENERGY PROJECT 22-24

multiple sites in WA & NSW | Working Drawings/ Conceptual Design | Under review Client: Mt Gibson Iron Limited, Shire of Dardanup, KBR Singapore, Perth Airport

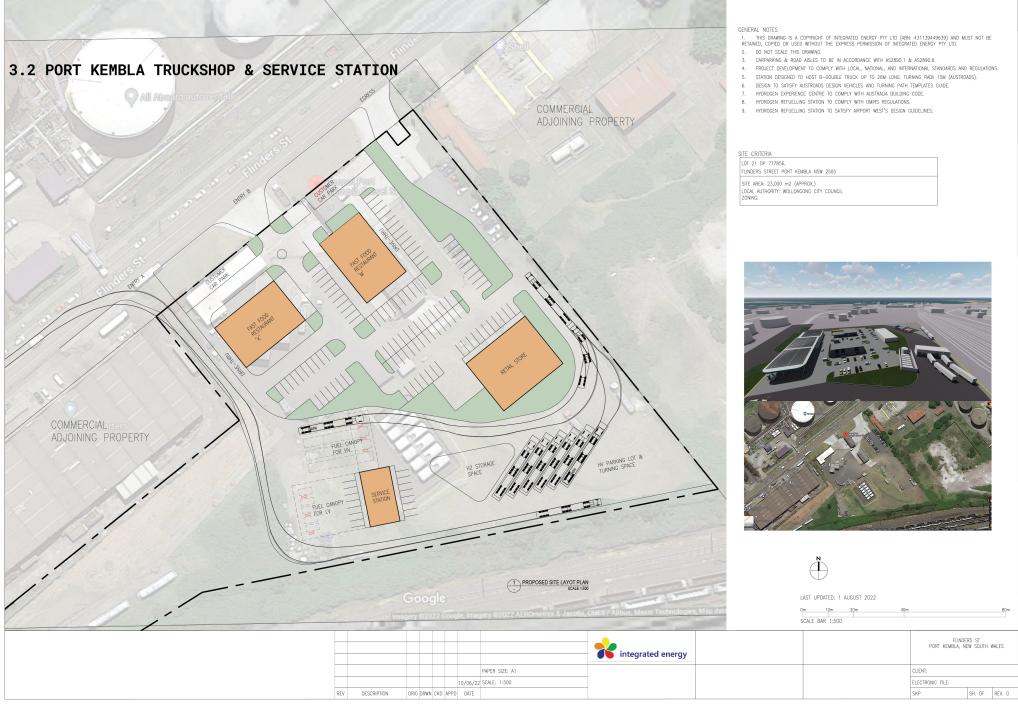
Participated in the design and technical development of hydrogen refuelling stations across Australia, focusing on site planning, equipment layout, safety zoning, and integration of renewable hydrogen supply with transport and distribution infrastructure. Various essential components in submission package include site layouts, equipment layouts, swept-path analysis, circulation plan for vehicles and pedestrian and conceptual renderings.



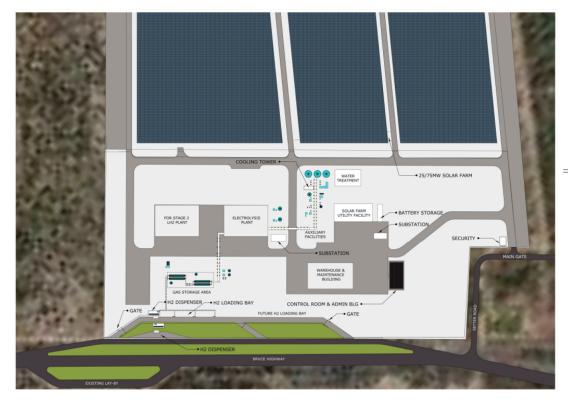




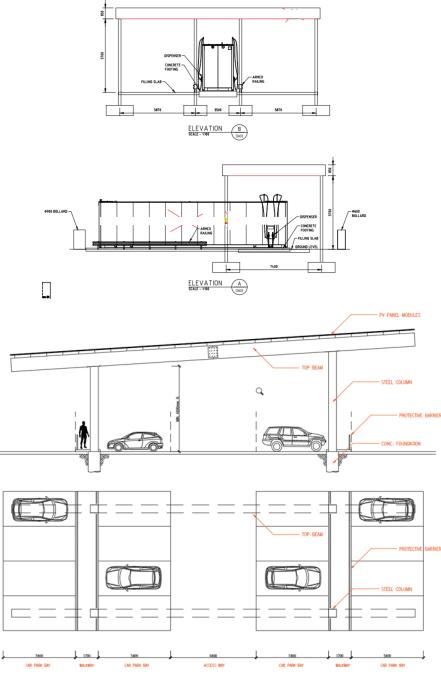
special school extension







3.3 SOLAR FARM & H2 FACILITY IN QLD



3.4 HYDROGEN STATION AND INTERMODAL INDUSTRIAL PRECINCT IN PERTH



My contribution:

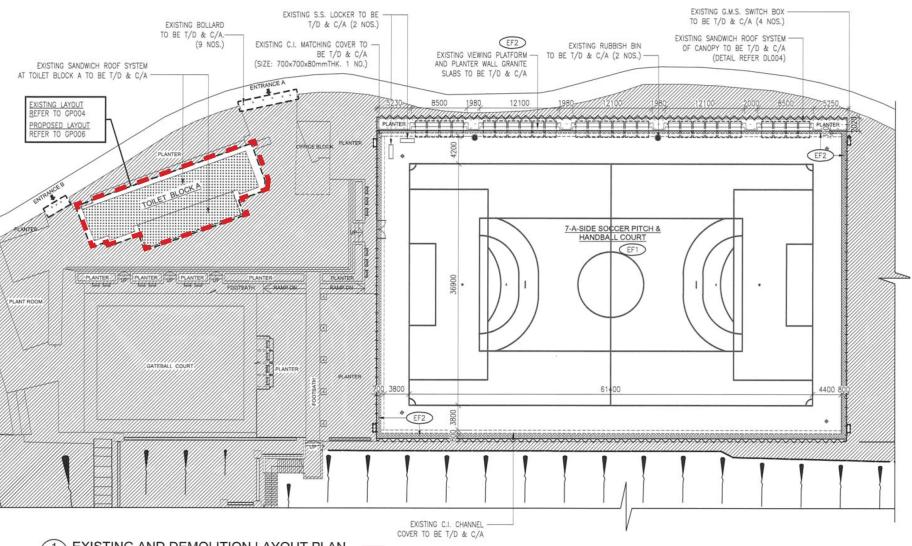
- created existing and emoltion plans for the park and the toilet block
- created general building plans of the toilet block; section/ elevation symbols were put by project architect for division of tasks

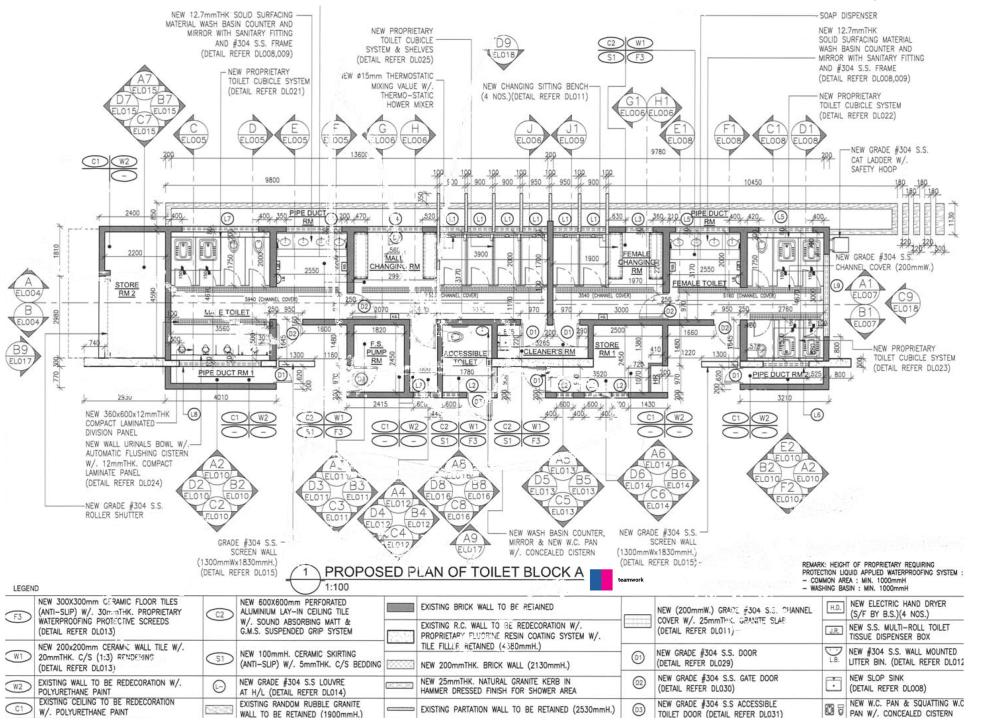
04

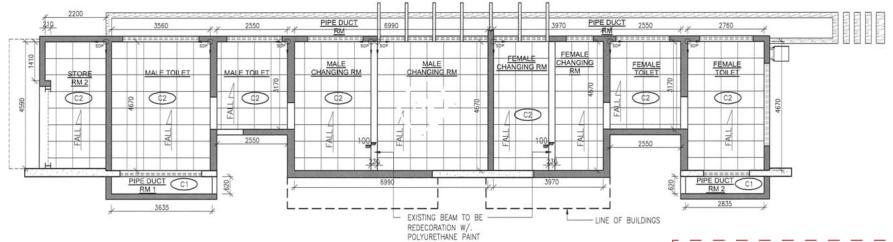
PUBLIC TOILET RENOVATION

Tuen Mun, Hong Kong | Working Drawings | 2019 - 2022 | Completed in 2023 Client: Architectural Service Department, Hong Kong

An renovation project for a public park in Tuen Mun, Hong Kong. The project required the latest design guidelines on universal design to be applied to toilets on top of the current barrier-free access design guidelines.

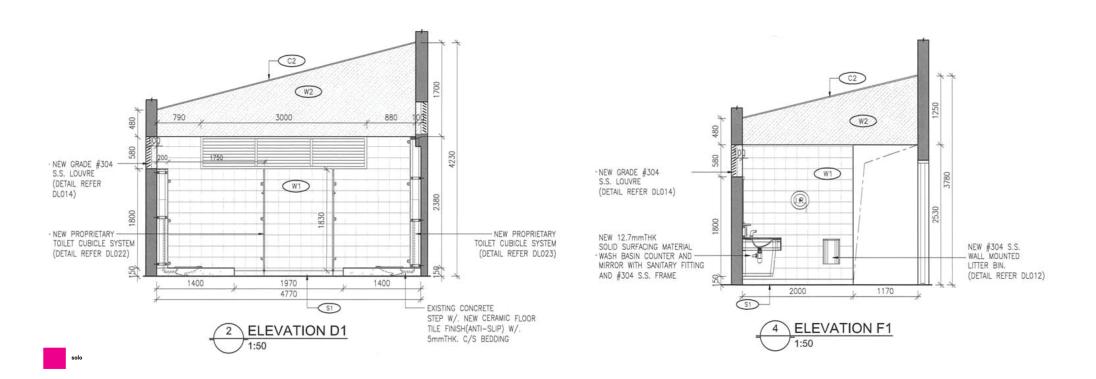


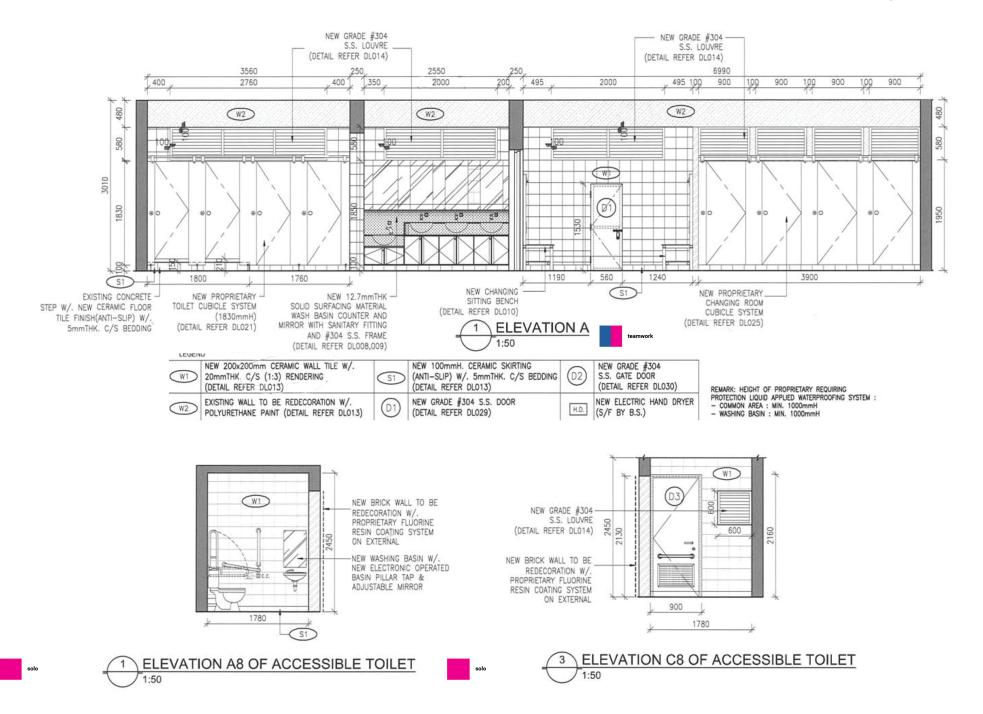


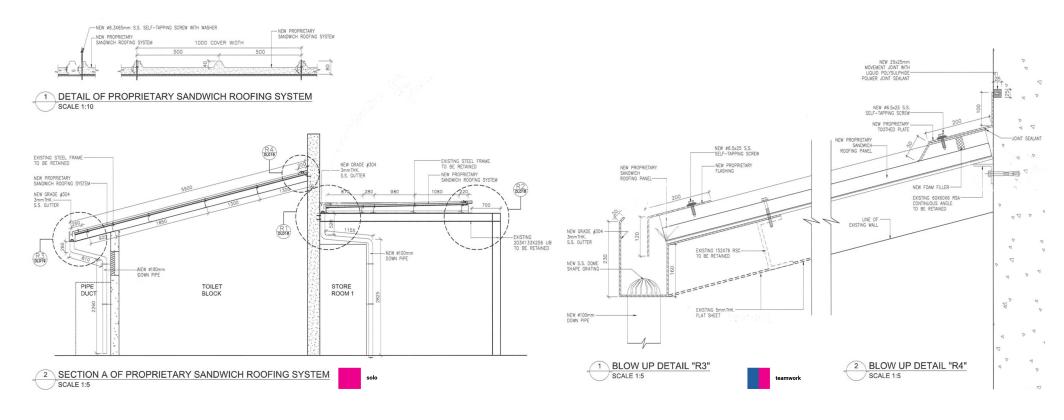


PROPOSED CEILING PLAN OF TOILET BLOCK A (PART A)

- created working area drawing, ceiling plans and internal elevations; description and material were checked by draftspersons and architect
- · completed design of the standardised disabled toilet







- created section drawing showing the new sandwich roofing system to the toilet block with gutter and rainwater drains
- detail design of connections were completed with assistance of experienced draftspersons

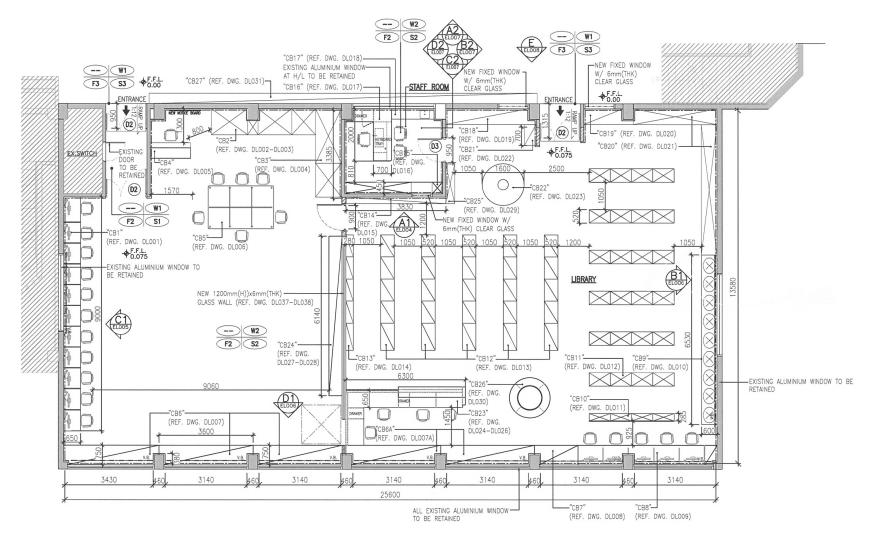
05

SCHOOL LIBRARY RENOVATION

Tuen Mun, Hong Kong | Working Drawings | 2019 - 2022 | Completed in 2023 Client: Architectural Service Department, Hong Kong

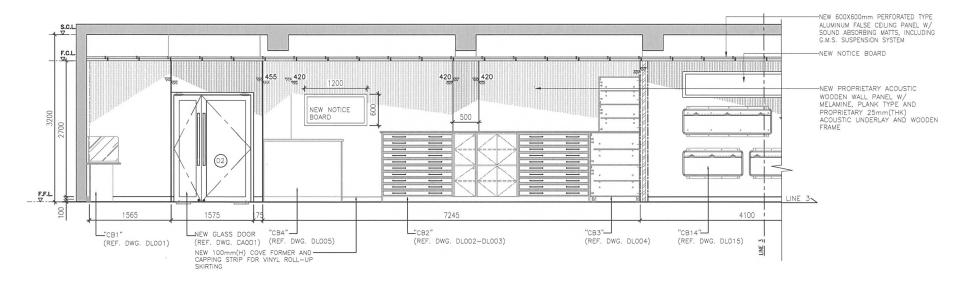
An annex building for a special school in Tuen Mun, Hong Kong, features six classrooms and additional learning spaces. Its internal zig-zag façade is designed to avoid conflicts with underground drainage reserve facilities, ensuring continuous accessibility and serviceability throughout the school's lifespan while maintaining functional and efficient spatial planning.

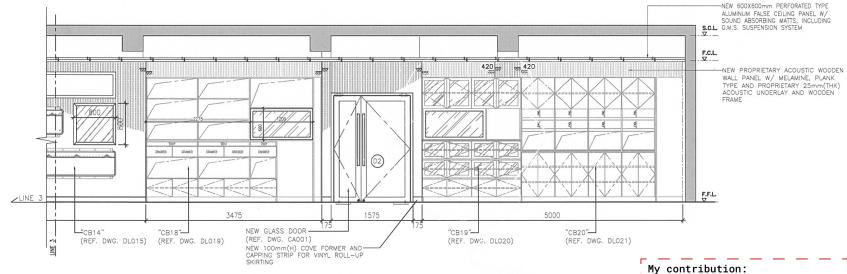
- created general floor plan and internal elevations of the library room.
- Incorporated material, fixtures and furnitures selected by clients, to the working drawing set











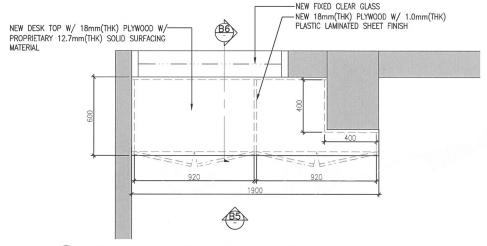
ELEVATION "A1" AT AT 3/F LIBRARY ROOM SCALE 1:50



- created detailed elevations in 1:50 scale
- · assisted in designing detail design of cabinets and shelves
- completed assembly drawings of fixtures in the library room

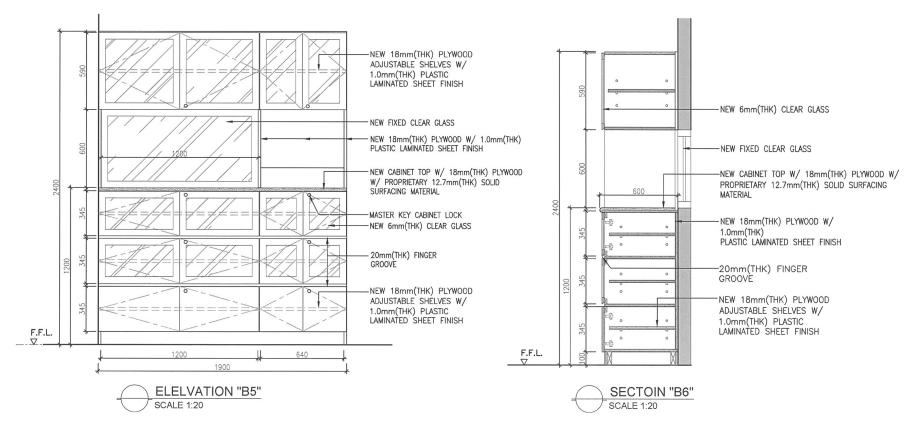
NOTES:

- 1. NEW CABINET CONSTRUCTION W/ 18mm(THK) PLYWOOD, OTHERWISE STATED.
- 2. EXTERNAL EXPOSED SURFACE OF RECEPTION COUNTER TO BE FINSH W/ 1.0mm(THK) LAMINATED PLASTIC SHEET AND INTERNAL SURFACE TO BE IN WHITE PLASTIC LAMINATED FINSH.
- 3. ALL EXPOSED PLYWOOD EDGING TO BE SEALED W/ 20x5mm(THK) SOFTWOOD LIPPING OTHERWISE STATED.
- 4. ALL SOFTWOOD LIPPING W/ STAIN & CELLULOSE LACQUER PAINT FINISH OR OTHERWISE STATED.
- 5. NEW CABINET TOP W/ PROPRIETARY 12.7mm(THK) SOUD SURFACING MATERIAL.



TYPICAL DETAILS OF SHELF "CB19"

SCALE 1:20



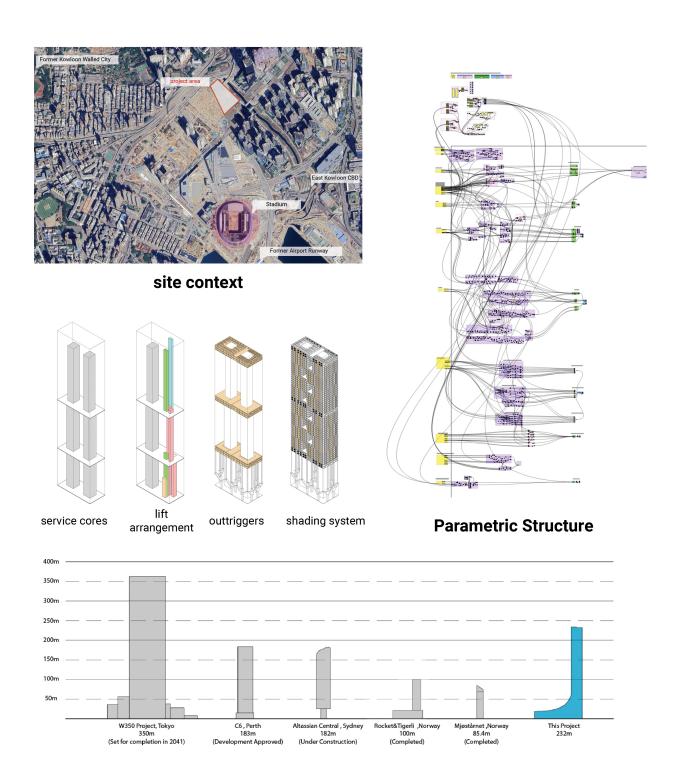
06

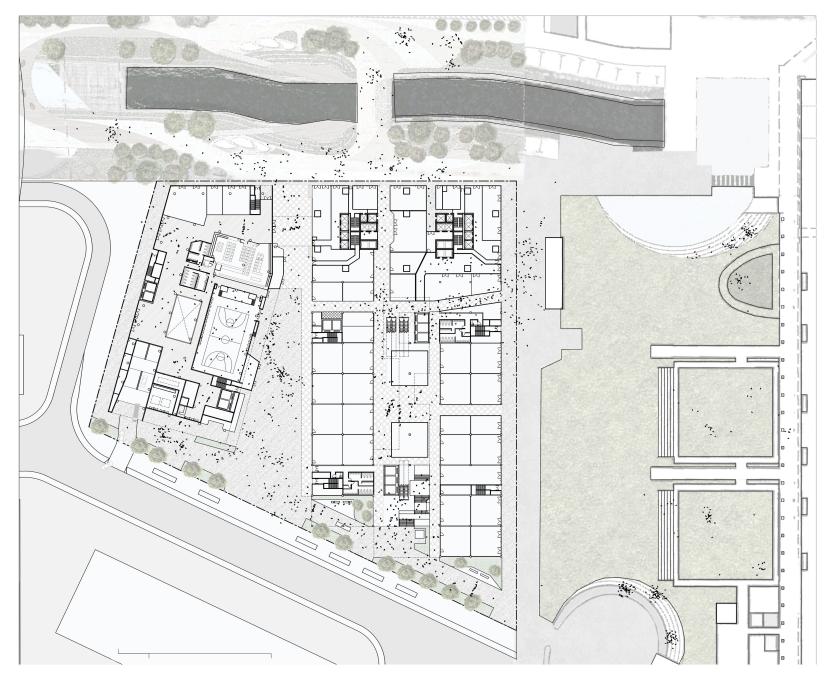
CLT VERTICAL FARM

Kai Tak, Hong Kong | Competition | 2023 |

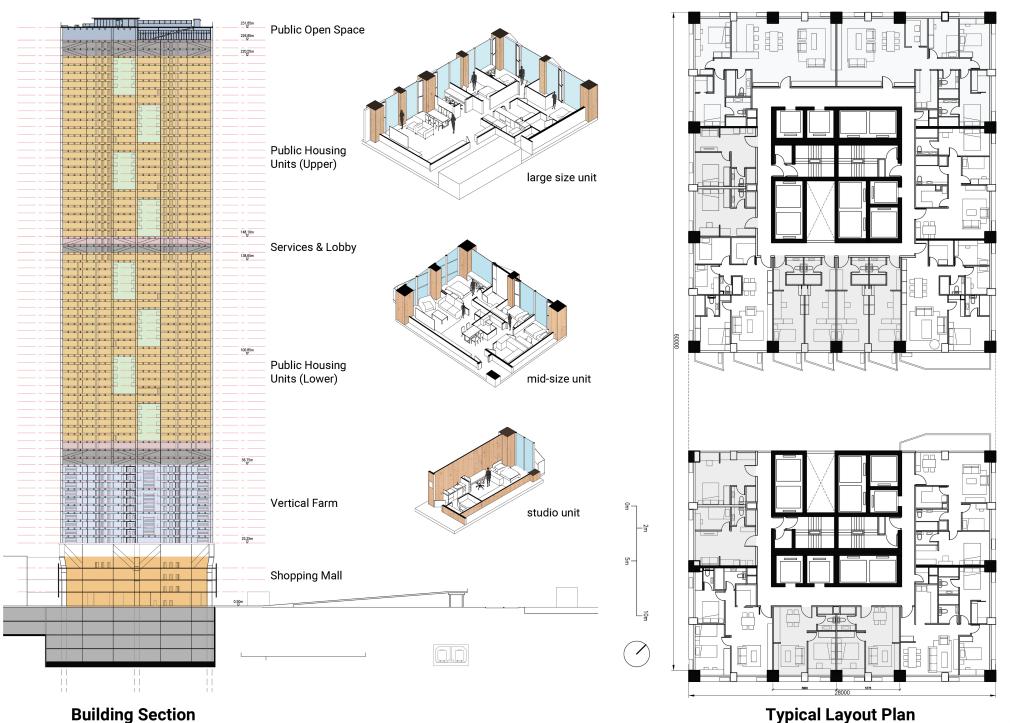
The CLT housing skyscraper project in Hong Kong's Kai Tak District addresses the housing crisis with temporary, affordable high-rise units. It enhances public space through rooftop gardens, fosters community via shared mid-air gardens, and integrates CLT-hybrid construction for sustainability. A vertical farm supplies local food, creating a resilient urban ecosystem.







Street Level Layout Plan



57





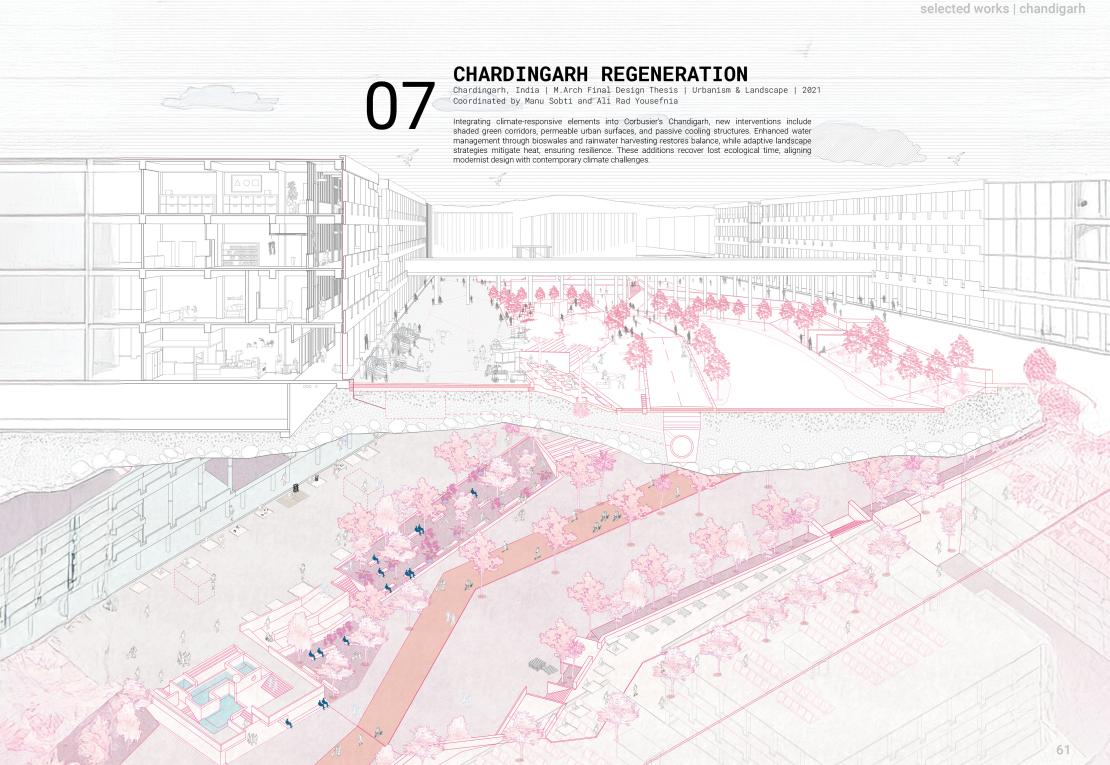
The state of the s

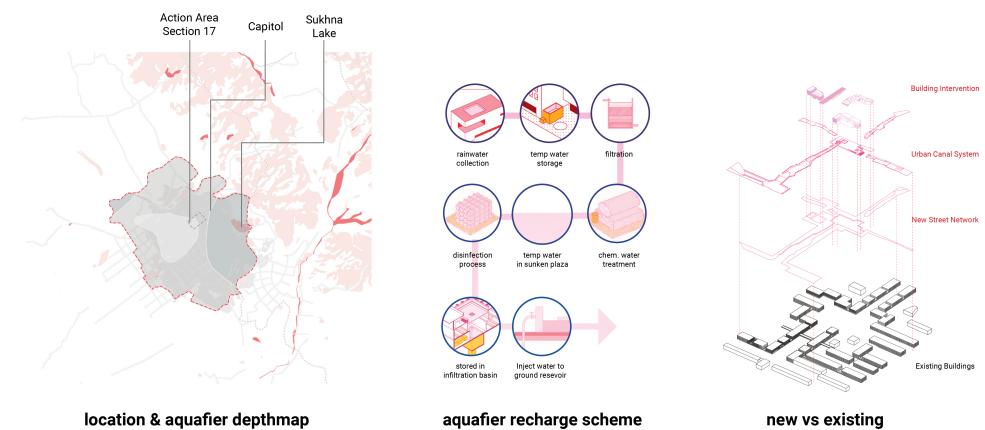
open space for residents

vertical farm in lower block

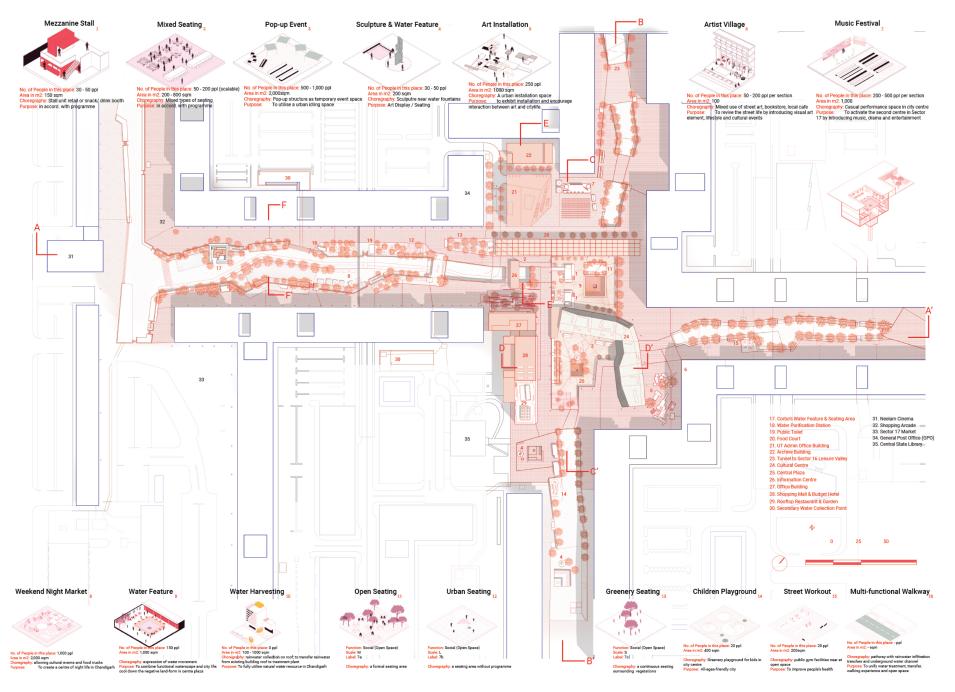


academic works

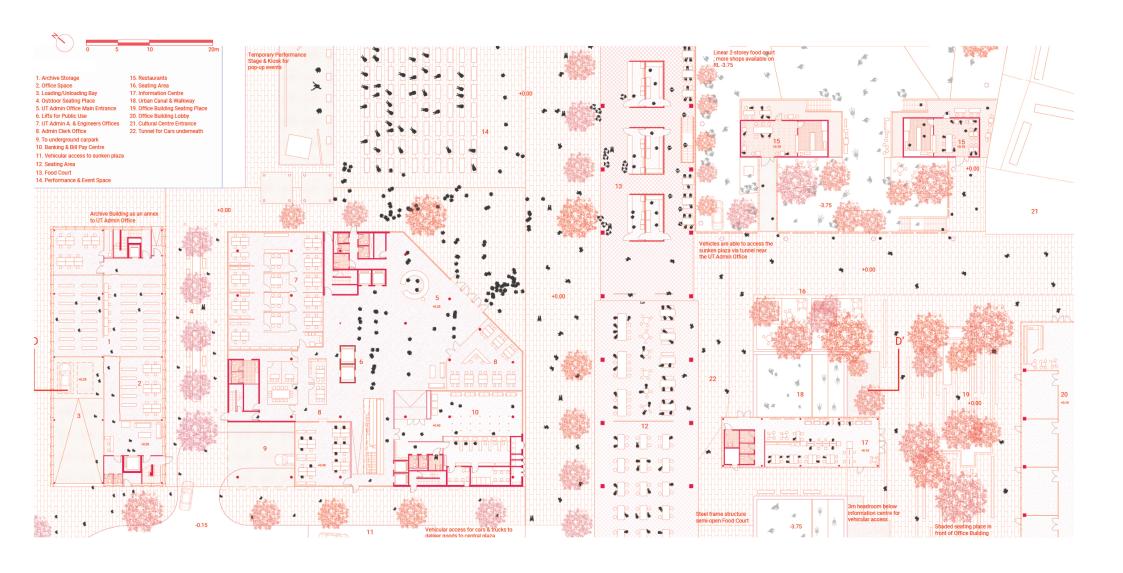




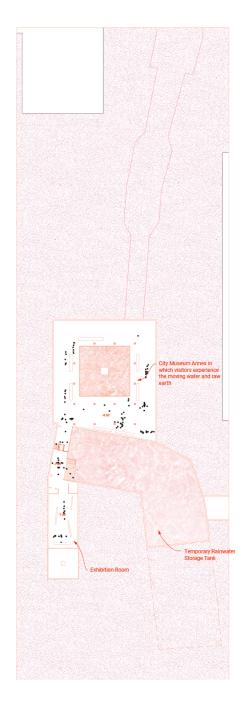


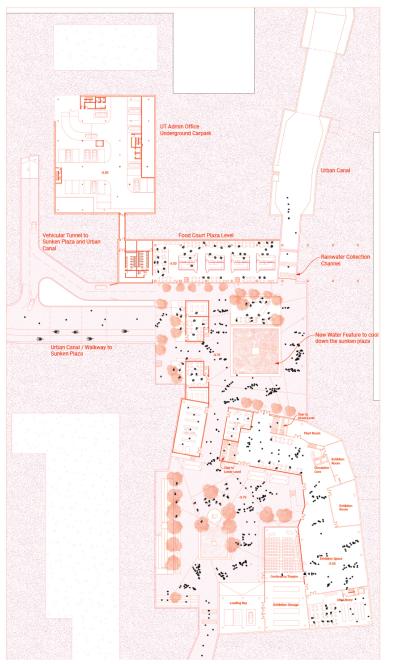


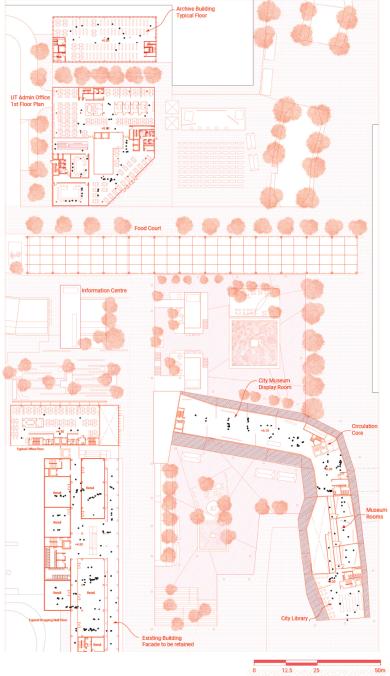
Master Plan - Sector 17



Plan - Sector 17 Centre



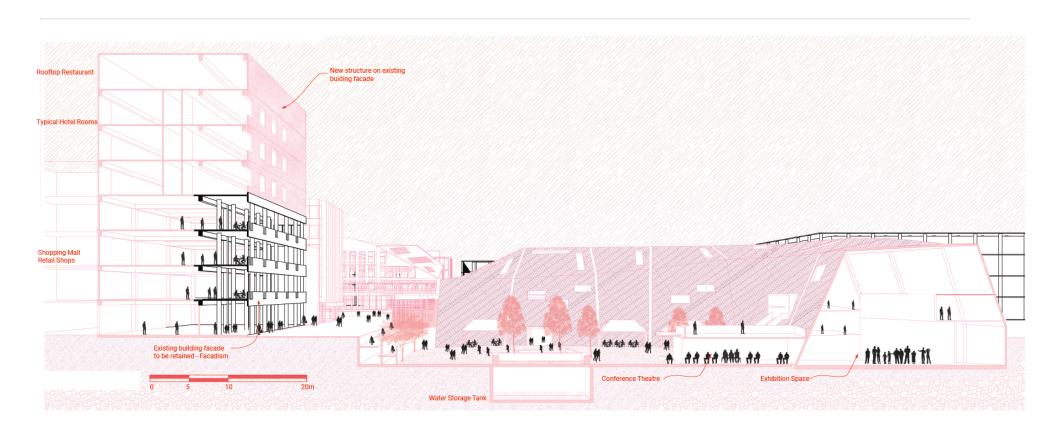




Basement Plan Water feature RL8.50

Floor Plan Sunken Plaza RL-3.50

Floor Plan Central Plaza RL 5.50



Site Section - Cultural Centre



Mezzanine Stall

No. of People in this place: 30 - 50 pp Area in m2: 150 sqm Function: Commercial Scale: M Label: 1a

Choregraphy: Stall unit retail or snack/ drink Purpose: in accord. with programme



Weekend Night Market

No. of People in this place: 1.000 ppl Area in m2: 2,000 sqm Function: Social / Commercial Scale: XL Label: 3a

Choregraphy: allowing cultural events, food trucks and outdoor performance Purpose: To create a centre of night life in Chandigarh



Children Playground

No. of People in this place: 20 ppl Area in m2: 400 sqm Function: Social Scale: M Label: 8a

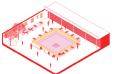
Choregraphy: Greenery playground for kids in city centre rpose: To create a urban space in a all-ages-friendly city



Homogeneous Seating

No. of People in this place: 16 - 150 ppl Area in m2: 100 - 400 sqm Function: Social/ Commercial Scale: S - M Label: 1b

Choregraphy: Single type of seating for customers of snack/ drink booth Purpose: in accord. with programme



Water Pool

No. of People in this place: 150 ppl Area in m2: 1,000 sqm Function: Ecological / Commercial / Cultural Label: 6a

Choregraphy: expression of water movement in a retail space
Purpose: To combine functional waterscape and
city life and cool down the negative land-form in



Street Workout

No. of People in this place: 20 ppl Area in m2: 200 sqm Function: Social Scale: M Label: 8b

Choregraphy: public gym facilities near at open Purpose: To improve people's health and fitness



Mixed Seating

No. of People in this place: 50 - 200 ppl Area in m2: 200 - 800 sqm Function: Social/ Commercial Scale: M-I Label: 1c

Choregraphy: Mixed types of seating for customers of snack/ drink booth as well as retail customers Purpose: in accord, with programme



Water Harvesting

No. of People in this place: 0 ppl Area in m2: 100 - 1000 sqm Function: Ecological Scale: S-L Label: 6c

Choregraphy: Rainwater collection on roof; to transfer rainwater from existing building roof to treatment plant Purpose: To fully utilise natural water resource in Chandigarh



Water Purification Station

No. of People in this place: 10 - 20 ppl Area in m2: 100sqm Function: Ecological/ Social

rainwater collected: free water supply for local people; sub-station to transfer excess water to treatment plant Purpose: To imporove water safety, encourage water recycling



Multi-functional Walkway

No. of People in this place: 0 ppl Area in m2: - sqm Function: Ecological / Social Scale: S-L Label: 8c

Choregraphy: greenry pathway with rainwater infiltration trenches and underground water channel; for rest and transportation

Purpose: To unify water treatment, transfer, walking experience and open space



Pop-up Event

No. of People in this place: 500 - 1,000 ppl Area in m2: 2,000sqm Function: Social /Commercial Scale: L - XL Label: 3b

Choregraphy: Pop-up structure to create tempo-Purpose: To utilise a urban space while the space is idling



Choregraphy: micro-water station to purify



Water Playground

Function: Social (Open Space) Scale: M Label: -

Choregraphy: a casual and interactive water feature



Sculpture & Water Feature

No. of People in this place: 30 - 50 ppl Area in m2: 200 sqm Function: Art / Social Label: 2a

Choregraphy: Sculputre near existing Corbo's water fountains Purpose: in accord. with programme



Open Seating

Function: Social (Open Space) Scale: M Label: 7a

Choregraphy: a formal seating area for having meal / working



Art Installation

No. of People in this place: 250 ppl Area in m2: 1000 sqm Function: Social / Art Label: 2b

Choregraphy: A urban installation space Purpose: to exhibit installation and encourage interaction between art and citylife.

Urban Seating

Function: Social (Open Space)

Scale: L Label: 7b



Artist Village

No. of People: 50 - 200 ppl per section Area in m2: 100 sqm Function: Commercial / Art / Social Scale: M Label: 2c

Choregraphy: Mixed use of street art, bookstore, local cafe

Purpose: To revive the street life beyond portion near Neelam Theatre by introducing visual art element, lifestyle and cultural events



Music Festival

No. of People: 200 - 1,000 ppl per section Area in m2: 1000 sqm Function: Commercial / Social Scale: I Label: 3c

Choregraphy: Casual performance space in city centre Purpose: To activate the second centre in Sector 17 by introducing music, drama and entertainment



Greenery Seating

Label: 7c

Choregraphy: A seating area without programme



Function: Social (Open Space)

Choregraphy: A continuous seating surrounding vegetations



Small Meeting Space

Function: Social (Open Space) Scale: M Label: 7d

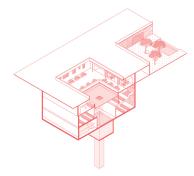
Choregraphy: Discrete meeting space for a group of people



Sunken Plaza

Function: Social (Open Space)

Choregraphy: Rainwater receptacle; final line of defence of Sector 17



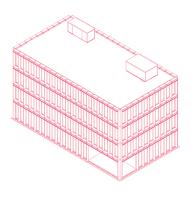
Underground Complex

No. of People in this place: 200 ppl Area in m2: 2000 sqm Function: Social /Commercial / Ecological Label: 4b

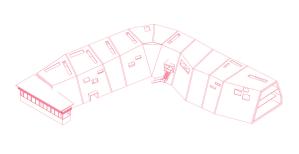
Choregraphy: Water reharvesting facility in negative landform; multifunctional space comprising of restaurant and retails around waterscape; historical museum annex to main building;

rainwater storage tank & treatment plant; bore to deep aquifers

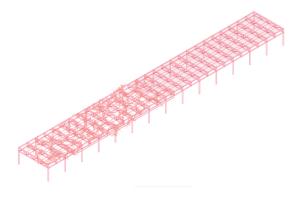
Purpose: To collect rainwater from other sub-station in Sector 17 to underground tank and finally the central water treatment plant before recharging the deep aquifers



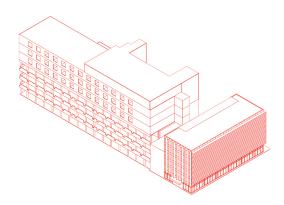




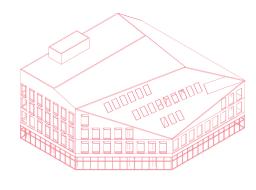
Cultural Centre



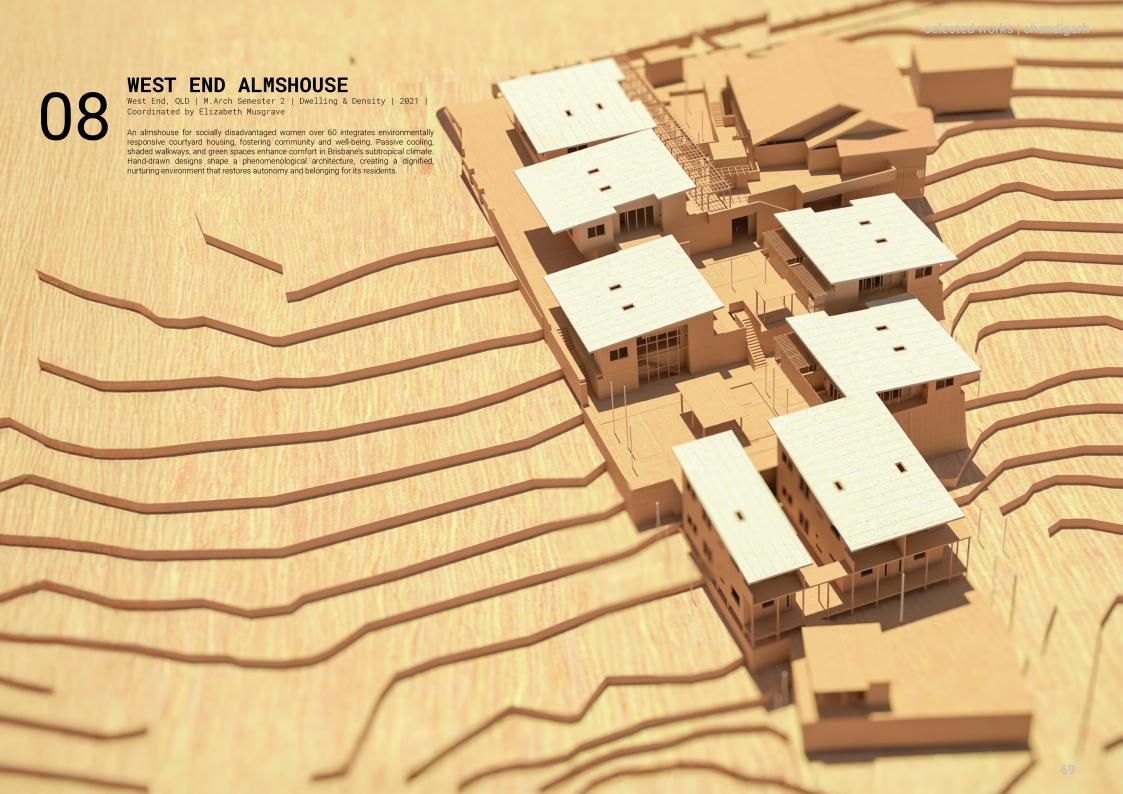
Street Mall & Food Street

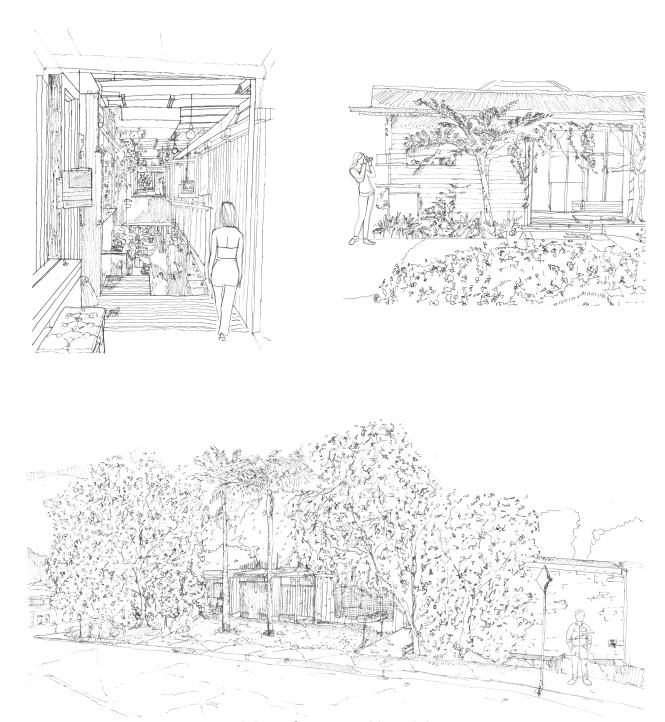


Office Building + Shopping Mall & Budget Hotel



City Admin Office Building

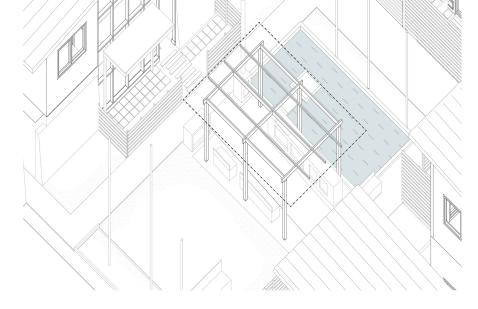




My Vision of West End in Brisbane

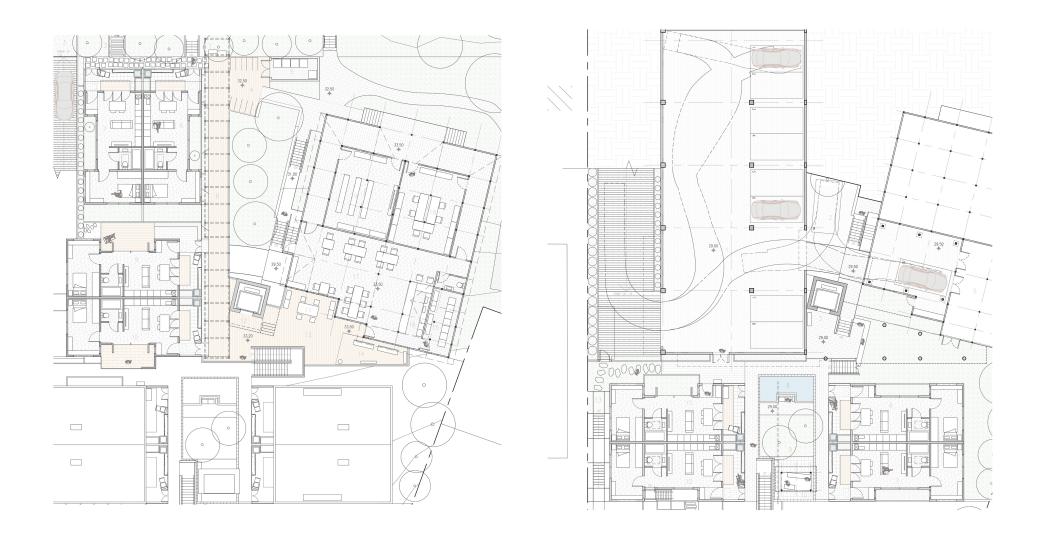


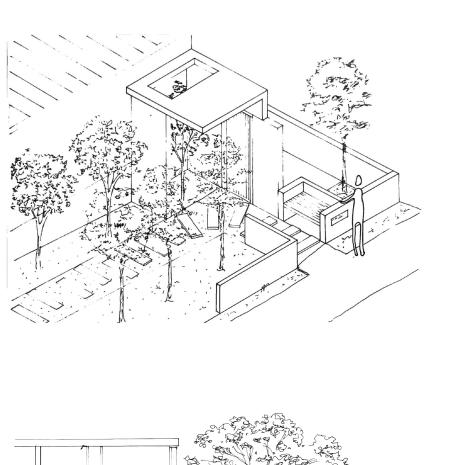




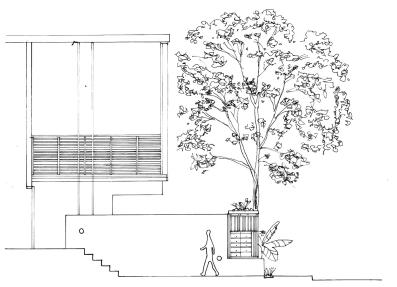
Street-House Threshold Design

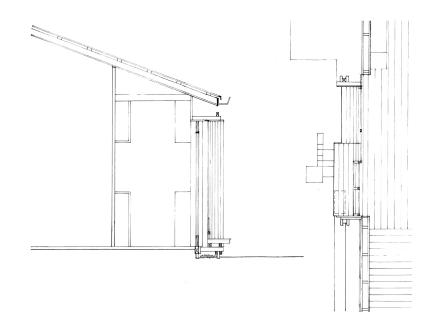
Courtyard-House Threshold Design



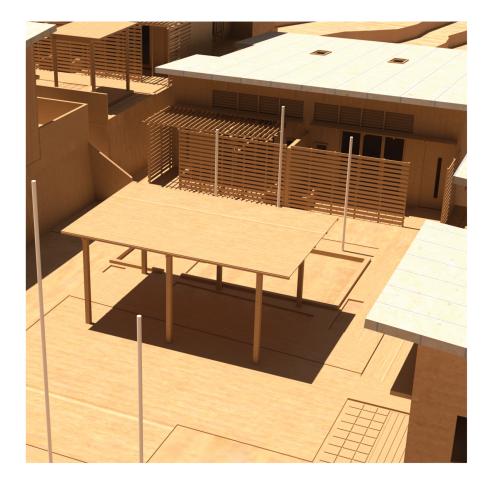
















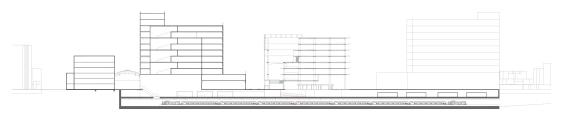




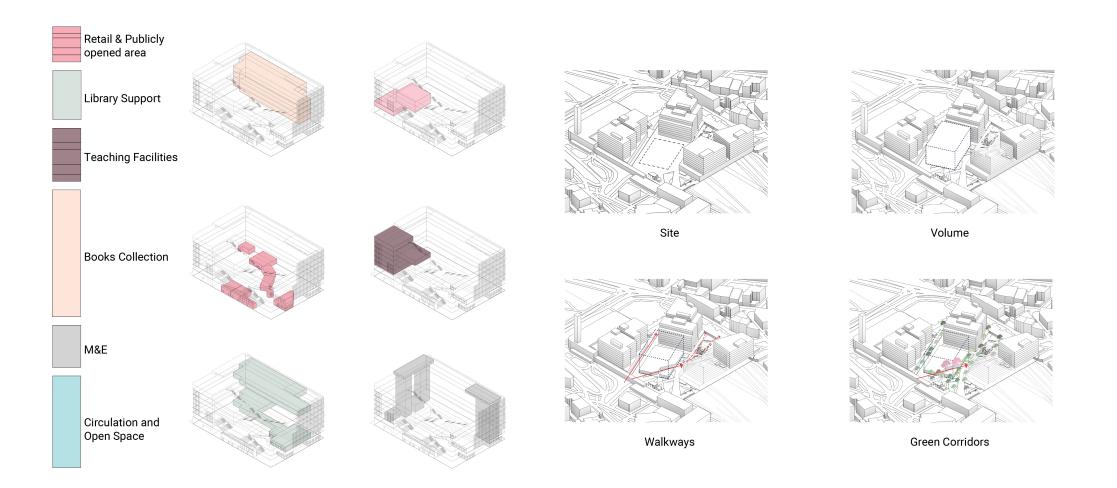
Regenerated fabric knitted



New fabric knits the west and east together



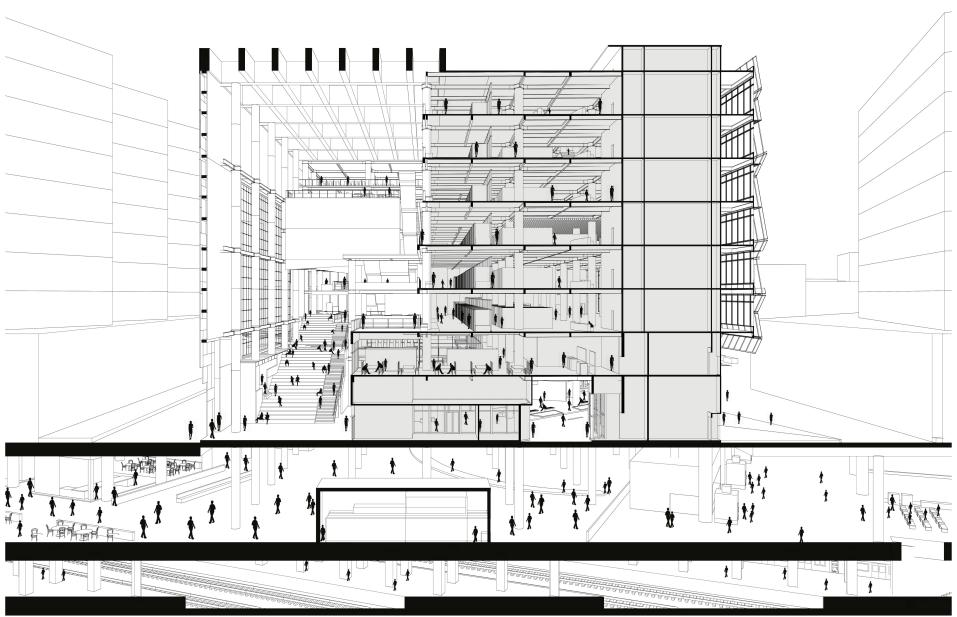
Urban Section



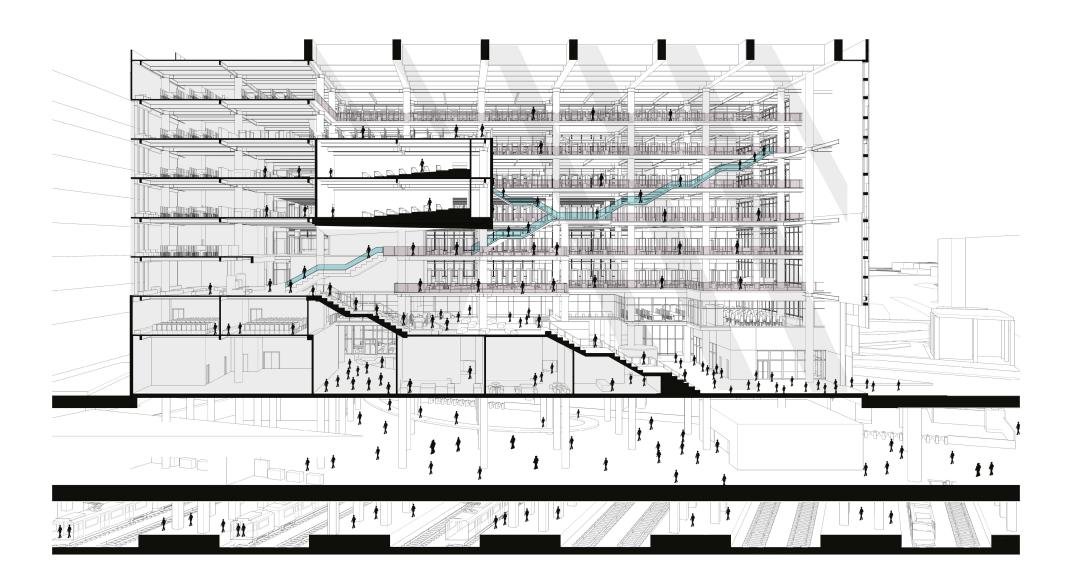


Street Level Layout Plan

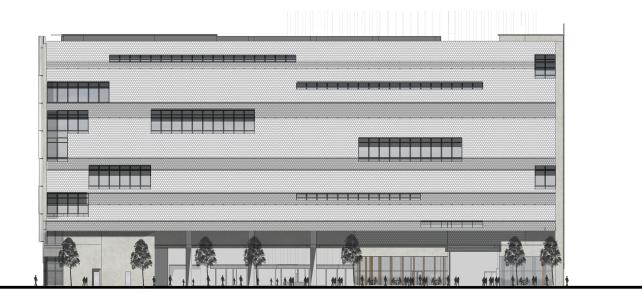
section at entrance

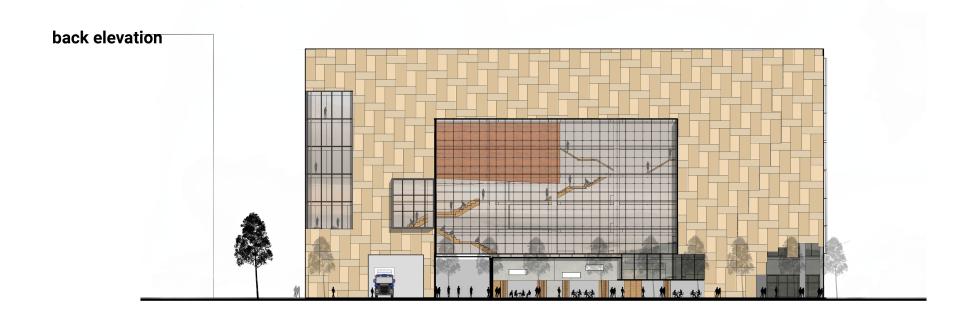


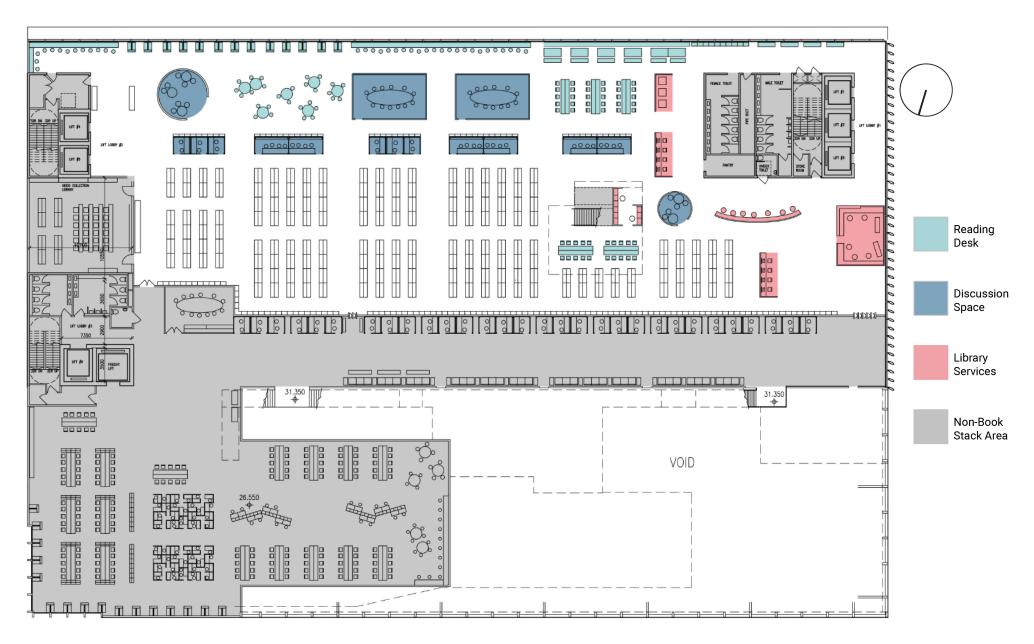
section at grant staircase



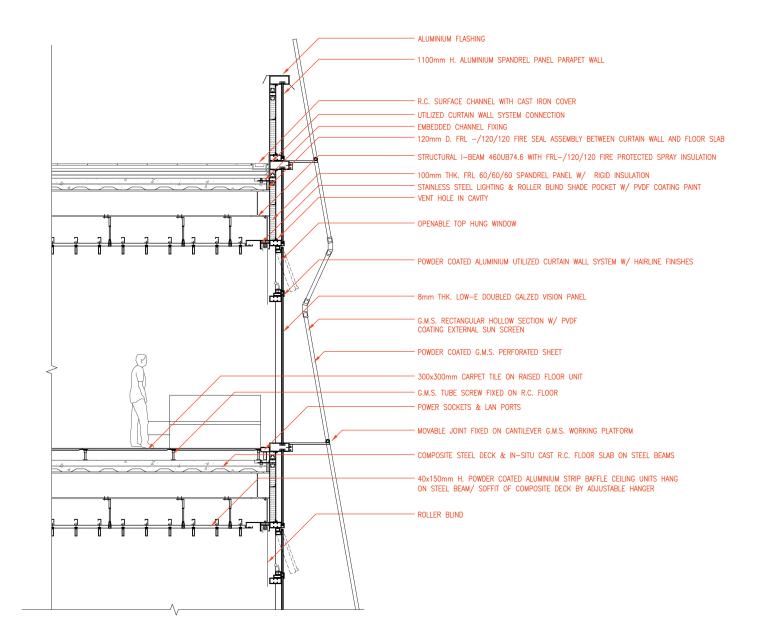
front elevation

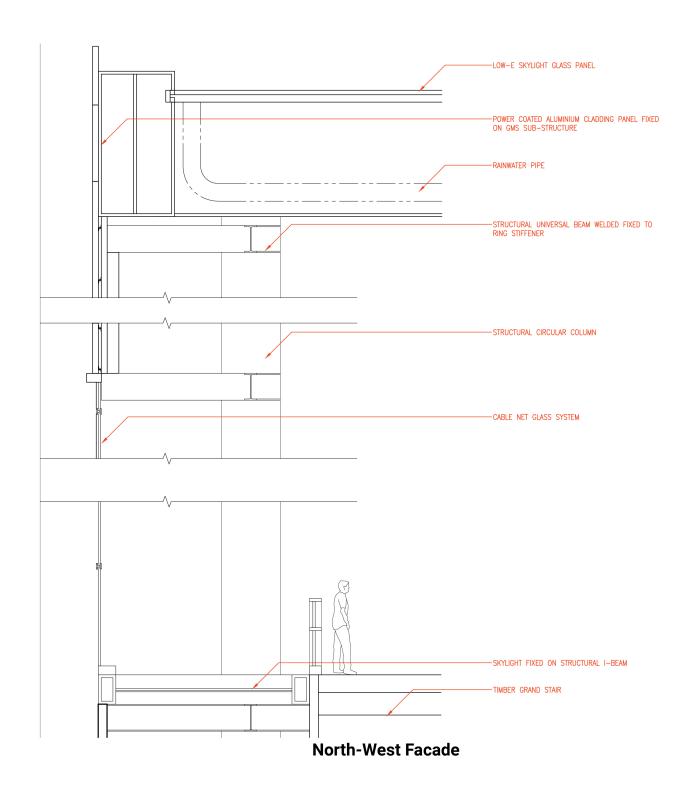






Typical Library Layout Plan







THANK YOU

SAM WU +61 0406 362 107 | samwu741@gmail.com