

SYDNEY
OPERA
HOUSE

FRONT
OF
HOUSE

Function Centre

ARCHITECTURAL DRAWING SET	FUNCTION CENTRE	REV
DA ISSUE	25 AUGUST 2016	A



Document Information

CLIENT

SYDNEY OPERA HOUSE TRUST

PROJECT

BUILDING RENEWAL - FRONT OF HOUSE

ARCHITECT

TONKIN ZULAIKHA GREER

CONSULTANT

AECOM

TEAM

STEENSEN VARMING

ARUP

WARREN SMITH & PARTNERS

THE MACK GROUP

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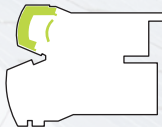
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Introduction

The Sydney Opera House Trust (SOHT) has engaged Tonkin Zulaikha Greer (TZG) Architects to undergo the Concept- and Schematic Design Development and Development Application for the Front Of House (FOH) Projects under the Renewal Framework Program, which was developed in 2014 to guide the transformation of the building over the next decade and includes a range of projects that cover all aspects of the Opera House including theatres, front of house, back of house and proposed new developments.

The Front Of House (FOH) Projects include 7 individual projects: Entry Foyer+ FOH Lift 36, Under the Steps, Function Centre, Theatre and Events Offices, Creative Learning Centre, Southern Foyers and the new Ballet Rehearsal Room.

The DA Drawing Issue includes the architectural drawings, finishes boards and perspectives.

The Designs have been developed in collaboration with the services and centralised consultant team and went through an intensive Stakeholder consultation process. Furthermore several reviews have been held by the Eminent Architects Panel, the SOH Conservation Council and the SOH Executive Team.

The Concept- and the Schematic Design Reports are available on request and show the detailed design process and include the services and centralised consultant reports and expert reviews.

The Front of House projects have been thought about as a suite of interrelated projects, however they have been individually documented and analysed for clarity.

The general process that has been conducted is as follows:

CONCEPT DESIGN / OPTIONS STUDY :

- As series of Briefs were prepared by the SOH in consultation with relevant stakeholders
- Discussion with and briefing by Stakeholders on a project by project basis
- Development of preferred options
- Testing of options with stakeholders which lead to three preferred options for each project
- Analysis of preferred options, including testing against the Sydney Opera House Conservation Management Plan and the Utzon Design Principles
- Recommendation

SCHEMATIC DESIGN :

- A preferred option was selected by the Executive Team
- Detailed stakeholder workshops were held for the individual stakeholder groups and the feedback has been incorporated into the current proposals
- Further site investigation and the progressing services designs informed the design development and caused some change to some concept design ideas

Whilst this study has very much been aimed at achieving a range of functional requirements that will be relevant for the SOH for the next generation, the architectural philosophy is very much seen as an exercise in interpretive design, whereby the SOH Utzon Design principles will be distilled to create relevant contemporary use and expression.

The new projects have been thought about in terms of an architectural continuum, whereby they are imbedded in the legendary icon, but reaching out to Sydney's future.

At a cultural level, we are thinking of the SOH as an Iconic container reflecting the time of it's invention, but with ever evolving contemporary contents that are relevant and reflective of our time.



Architectural Design Statement

The Renewal projects have been considered as elements taking their position in an architectural continuum, whereby they are imbedded in the fabric and history of the legendary icon, but reach out to Sydney's future.

Culturally, we view the Sydney Opera House as an iconic container that continues to reflect the era of its invention, but with ever evolving contemporary contents that give voice to the artistic activities and philosophical enquiries of our own time.

Whilst the Renewal projects design has been aimed at fulfilling a range of functional requirements that will be relevant for the SOH for the next generation, the architectural procedure is one of interpretive design, whereby the Utzon and Opera House principles are distilled to infuse this later contemporary use and aesthetic.

Function Centre

Function

The new Function Centre to the Northern Broadwalk will at last make possible the removal of the functionally useful but unsightly marquee. The marquee is instrumental in generating much needed revenue for the Opera House, however its presence is not befitting a world heritage listed icon.

The marquee's functions will be relocated into the north east corner of the building and the function centre will be fully supported by a contemporary and efficient kitchen.

Concept

A new long crescent shaped room will stretch across the northern end of the eastern podium, echoing the Joan Sutherland Theatre geometry with spectacular harbour views.

Oscillating tapestry panels thread their way along the southern side of the new crescent shaped room, visually softening and acoustically attenuating the room. The tapestries will be designed by a contemporary Australian Artist and visible from the Northern Broadwalk and the harbour. They have the potential to become a symbol of the next generation of the Opera House.

The existing Peter Hall shaped white birch ceiling and wall panels, known as 'wobblies', will be rearranged to form a complete ceiling at the high level concealing the services. The Hall Terrazzo floor will be retain and repaired where necessary.

New removable outdoor elements are proposed for the Northern Broadwalk with storage locations at either end of the function centre. The existing precast concrete paving panels will have bronze ferrules set into them for removable bollards to rope off private functions and umbrellas for shade.

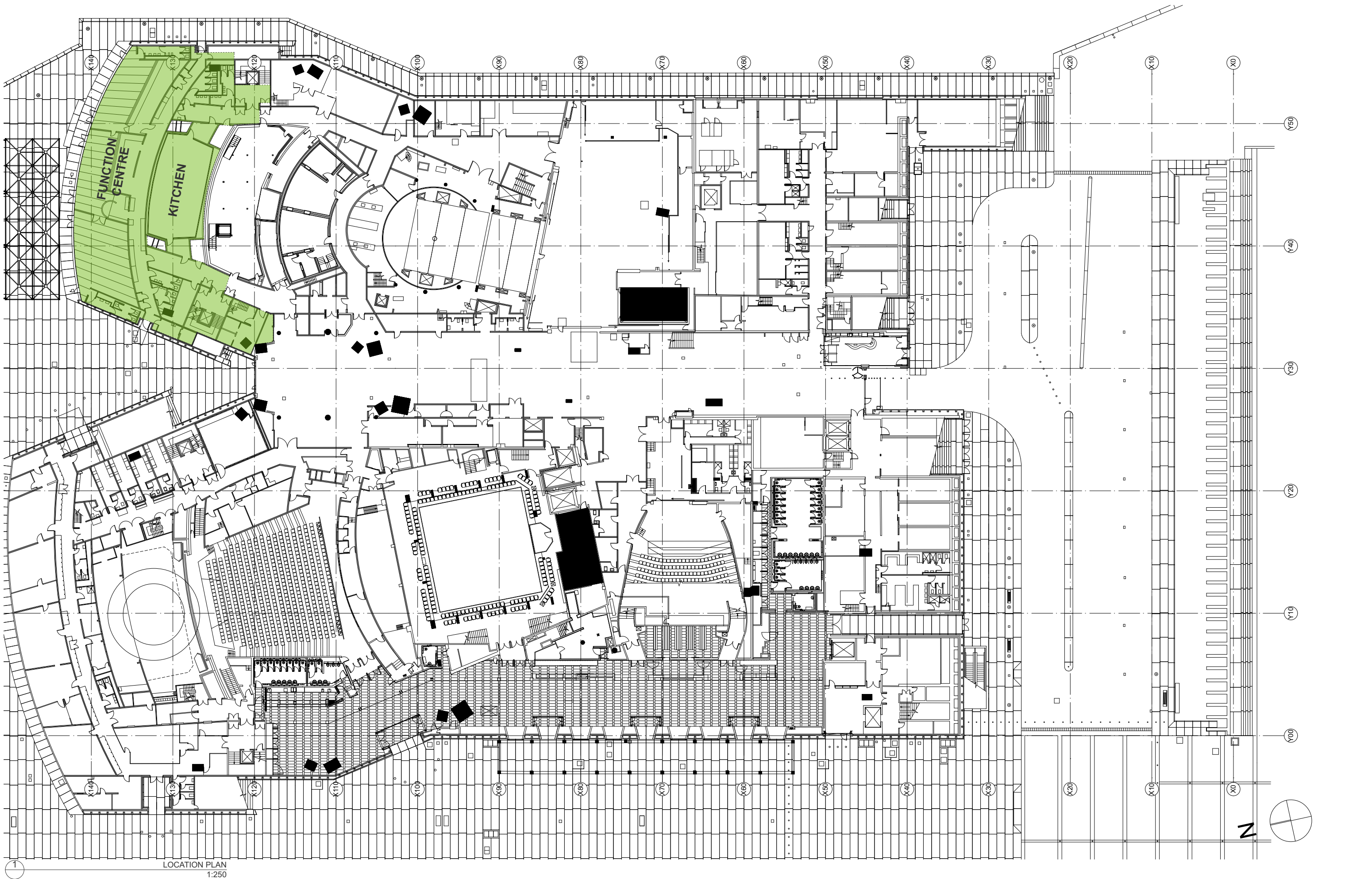


A black and white photograph of the National Stadium in Tokyo. The image captures a dramatic, low-angle view of the stadium's exterior. The building's facade is composed of dark, vertically-oriented panels that create a rhythmic, textured appearance. A prominent feature is a large, curved, cantilevered section that extends upwards and outwards, creating a deep, dark void beneath it. Below this, a series of white, conical roof structures, resembling traditional Japanese umbrellas, are arranged in a row along the base of the stadium. The foreground shows a flat, paved plaza. The sky is filled with soft, diffused clouds, providing a light background for the dark structure of the stadium.

A 0000 GENERAL INFORMATION		Scale @ A1	Published
A-0000	COVER PAGE	1:1	☒
A-0001	LOCATION PLAN	1:250	☒
A 0100 DEMOLITION PLANS			
A-0100	DEMOLITION GROUND FLOOR PLAN (+12)	1:100	☒
A-0101	DEMOLITION MEZZANINE FLOOR PLAN (+21)	1:100	☒
A 1000 GENERAL ARRANGEMENT PLANS			
A-1000	GROUND FLOOR PLAN (+12)	1:100	☒
A-1001	MEZZANINE FLOOR PLAN (+21)	1:100	☒
A-1002	ROOM MODELS PLAN (+12)	1:100	☒
A 1200 REFLECTED CEILING PLANS			
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A-1201	DEMOLITION MEZZANINE FLOOR RCP	1:100	☒
A-1202	GROUND FLOOR RCP	1:100	☒
A-1203	MEZZANINE FLOOR RCP	1:100	☒
A 2000 INTERNAL WALL / SECTIONAL ELEVATIONS			
A-2000	INTERNAL WALL ELEVATIONS - FUNCTION ROOM	1:50	☒
A-2001	INTERNAL WALL ELEVATIONS - FOYER	1:50	☒
A 2100 DETAIL SECTIONS			
A-2100	ENTRY SECTION	1:20	☒
A-2101	FUNCTION ROOM SECTION	1:20	☒
A-2102	KITCHEN / PLANT ROOM SECTION	1:20	☐
A 3000 ELEVATIONS			
A-3000	NORTH AND WEST ELEVATION	1:100	☒
A 6000 STAIRS + LIFTS			
A-6000	LIFT 08 - FUNCTION CENTRE	1:50, 1:100	☒
A 9000 FINISHES + PRODUCT INFORMATION			
A-9000	FINISHES AND PRODUCT INFORMATION		☒
A 9100 PERSPECTIVES			
A-9100	MAIN PERSPECTIVE		☒
A-9101	ENTRY VIEW		☒
A-9102	ENTRY VIEW		☒
A-9103	NICHES		☒
A-9104	CORRIDOR SERVICE		☒
A-9105	OPEN		☒
A-9106	NICHES		☒
A-9107	CORRIDOR SERVICE		☒
A-9108	OPEN		☒
A-9109	EASTERN END WALL		☒
A-9110	FOYER VIEW - NICHE MODE		☒
A-9111	FOYER VIEW - CORRIDOR SERVICE		☒
A-9112	CORRIDOR VIEW 1		☒
A-9113	CORRIDOR VIEW 2		☒

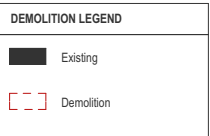
Code	Description	Code	Description	Code	Description
AC	Air-Conditioning	GLBF1	bronze-framed Glass Door, hinge	UR	Urinal
ACC	Accessible	GLBF2	bronze-framed Glass Door, sliding	VJ	Vertical Joints
ACR	Acrylic Solid Surface Material	GLBF3	bronze-framed Glass Door, pivot	WB1	Wash Basin Type 1(normal)
ADJ	Adjustable Shelf	GLMF1	steel-framed Glass Door, sliding (Wind-break)	WB2	Wash Basin Type 2 accessible
AF	Access Floor	GLMF2	steel-framed Glass Wall, fixed (Wind-break)	WB3	Wash Basin Type 3 (Trough Handwashing Kids)
AFFL	Above Finished Floor Level	GR1	Grab Rail 1 - Accessible shower rail	WC1	Water Closet (normal)
AFS	AFS concrete paint finish	GR2	Grab Rail 2 - Accessible WC	WC2	Water Closet accessible
AH	Flush Access Panel	GR3	Grab Rail 3 - Ambulant WC	WC3	Water Closet Ambulant
AP1	Acoustic Panel No Finish	H	Hydraulic riser	WF	Water Drinking Fountain
AP2	Acoustic Panel, ceiling, perf. Metal Finish	HD	Hand Dryer	WP1	Repurposed existing Wobbly Panel, operable
AP3	Acoustic Panel, ceiling, perf. Metal Finish	HJ	Horizontal Joints	WP2	Repurposed existing Wobbly Panel, operable and adjustable
AP4	Acoustic Panel No Finish	HK	Hook - Coats	WP3	Repurposed existing Wobbly Panel, fixed
AP5	Acoustic Panel, Felt Finish	HR	Hanging Rail	WP4	Repurposed existing Wobbly Panel, integrated
AU	Acoustic Underlay	HRM	Handrail Metal	WP5	Repurposed existing Wobbly Panel, ceiling
AV	Audio Visual	HRT	Handrail Timber	X	Existing
BCT	Baby Change Table	HWU	Hot Water Unit	XAC	Existing AC
BG	Glass balustrade	JP	Joinery Pull	XAP	Existing Acoustic Ceiling Panel
BIK	Bike Racks	KP	Kick Plate	XB	Existing Architectural Bronze
BIN	Under sink garbage bin	LAM	Laminate Finish	XBOL	Existing Bollard
BIT	Bitumin	M	Mechanical Riser	XBR	Existing Bronze Element
BL	Fair Faced Blockwork	MA1	Marble	XBS	Existing Bench Seat
BLD	Roller Blinds	MB1	Metal Balustrade Type 1	XC	Existing Concrete
BLD1	Roller Blinds (Sunscreens)	MCP	Metal Column, painted	XCA	Existing Concrete with acoustic treatment
BLD2	Roller Blinds (Block Out Blinds)	MF	Metal Flashing	XCP	Existing Concrete Painted (or Sealed)
BLD3	Roller Blinds (Green Screens)	MIR	Mirror	XCPS	Existing Concrete Paint Finish, stripped
BLP	Blockwork, paint finish	MLF	Metal Louvre- Fixed	XCPT	Existing Carpet
BLR	Blockwork, reinforced	MLO	Metal Operable Louvre	XCTF	Existing Ceramic Tiles
BOL	Bollard	MM	Metal Mesh (stretched)	XD	Existing Door to remain
BR1	Brass counterfronts, EF	MPBP	Moisture Resistant Plasterboard Ceiling, paint finish	XDB	Existing Distribution Board
BR2	Brass counterfronts, SF	MPG	Metal Pipe Rigging	XDP	Existing Downpipes
BR3	Brass seat, UTS	MS	Stair Metal	XEP	Event Pit
BR4	Bronze joinery, EF	MW	Metal Windows, bronze-framed	XFB	Floor Box, electrical+data
BR5	Bronze handrail, UTS	OV	Oven	XFH	Existing Fire Hydrant
BR6	Bronze handrail, CLC and FC	PBF2	2 hour Fire Rated Plasterboard	XGL	Existing Glazing, brown tint
BRRP	Brickwork, Rendered and Painted	PBP	13mm plasterboard Paint Finish	XGL1	Existing Glazing, clear
BT1	Benchmark, Marble	PC1	Precast Granite, Paver	XGL2	Existing Glazing, frosted
BT2	Benchmark, Glass	PC2	Precast Granite, Wall Panel	XGLBF	Existing bronze-framed Glass Door, hinge
C	Concrete	PC3	Precast Granite, Ceiling Panel	XGLBF2	Existing bronze-framed Glass Door, sliding
CFC	Compressed Fibre cement	PF	Paint Finish	XHRM	Existing Handrail Metal
CFS	Concrete steel trowel finish	PP	2 pack Polyurethane Paint	XMB	Existing Metal Balustrade
CM	Suspended Ceiling, Metal	PP1	Polyurethane Paint - High reflective black	XMB	Existing Metal Balustrade
CO2	Class 2 Off form Concrete	PTD	Paper Towel Dispenser	XMG	Existing Metal Gate
CO2P	Class 2 Off form Concrete Paint Finish	RF	Resilient Finish Type CLC	XMS	Existing Metal Stair
COMMS	Communications Cupboard	RF1	Resilient Finish Type EF	XP	Existing Painted
COS	Check On Site	RFS	Resilient Flooring - Slip Resistant	XP	Existing Painted
CPT1	Carpet, Entry Foyer Seating	RH	Rangehood	XPBP	Existing Plasterboard Painted
CPT2	Carpet, Entry Foyer Ticketing	RL	Reduced Level	XPC1	Existing Precast Granite, Paver
CPT3	Carpet, Theatre & Events Offices	RP	Rigging Points	XPC2	Existing Precast Granite, Wall Panel
CT	Cooktop	RSK	Resilient Coved Skirting	XPC3	Existing Precast Granite, Ceiling Panel
CTF	Ceramic Floor Tiles	SAP	Suspended acoustic panels	XPF	Existing External Painted Render
CTS	Ceramic Skirting	SC1	Services Carriage (light, sound, sprinkler)	XPW	Existing Potable Water
CTW	Ceramic Wall Tiles	SC2	Services Carriage (light, sound, acoustic, rigging)	XRP	Existing Rendered and Painted
CUR	Curtains	SCDB	SCI Door Distribution Board	XSC	Existing Services Carriage (light, sound, sprinkler)
CUR 1	Felt Dividing Panel Curtain	SCI	Solid core door internal	XTB	Existing Timber Balustrade
DB	Colour backed glass	SCV	Sprinkler Control Valve	XTCW	Existing Heritage Ceramic Tiles
DP	Down Pipe	SD1	Soap Dispenser	XTF	Existing Timber Floor
DS1	Door stop - Floor mounted door stop	SHS1	wall shelf	XTF	Existing Timber Floor
DS2	Door stop - wall mounted door stop	SKY	Stylight	XTPC	Existing GRC Precast Floor Tile, honed
DW	Dishwasher	SMC	Stretched Membrane Ceiling (Barrisol)	XTS	Existing Terrazzo Stone Flooring
EF	Extraction Fan Ceiling Mounted	SNK	Sink - kitchen	XTS	Existing Timber Stair
F	Fridge	SNKC	Sink - Cleaner	XTSK	Existing Skirting
F1	60 FRL	SNKL	Sink - Laundry	XTV1	Existing Timber Veneer
F1.5	90 FRL	SS	Stainless Steel	XWF	Existing Water Fountain
F2	120 FRL	TAP1	Tapware, Washbasin Mixer, regular	XWP	Existing Wobbly Panel for re-use
FB1	Floor Box, electrical+data	TAP2	Tapware, Washbasin Mixer, accessible	YG	Yard Gully
FC	Set Fibre Cement 6mm painted	TAP3	Tapware, Kitchen Sink Mixer		
FE	Fire extinguisher	TF	Timber flooring		
FFL	Finished Floor Level	TF2	Timber Sprung flooring		
FG	Facade Glazing	THR	Threshold Ramp max. 1 in 8		
FH	Fire Hydrant	TI	Tactile Indicators		
FHR	Fire Hose Reel	TIK	Ticketing/Information Kiosks		
FM	Floor Mat	TME	To Match Existing		
FRL	Fire Resistant Level	TOW	Top of wall		
FSL	Finished Structural level	TP	Toilet partitions		
FW	Floor Waste	TP1	Timber Panel, Slatted, Brush Box		
FWC	Textured Felt-Brass Wall	TPC	GRC Precast Floor Tile, honed CLC		
FWC1	Felt Wall Covering, Entry Foyer	TPC1	GRC Precast Floor Tile, honed EF		

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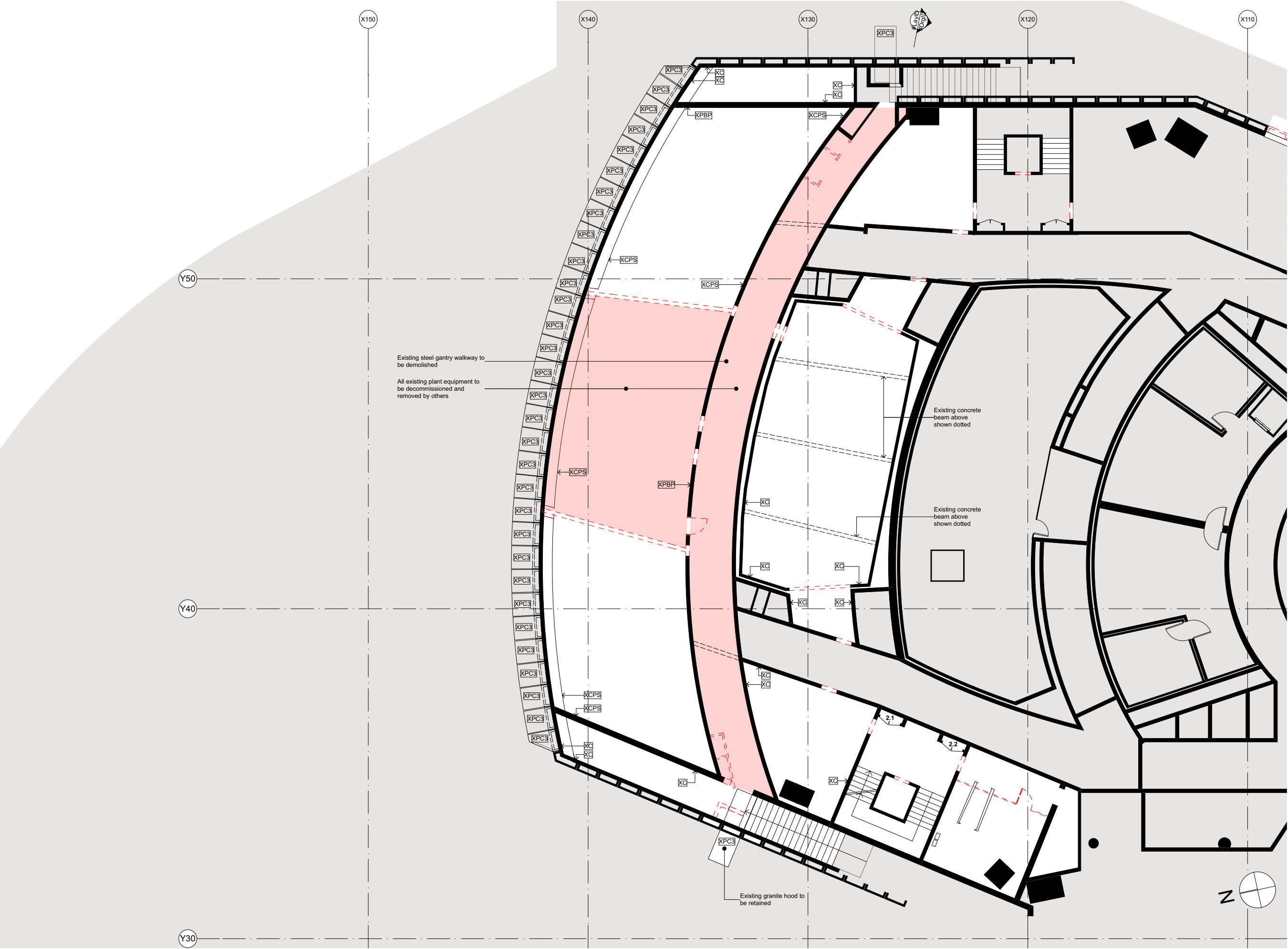


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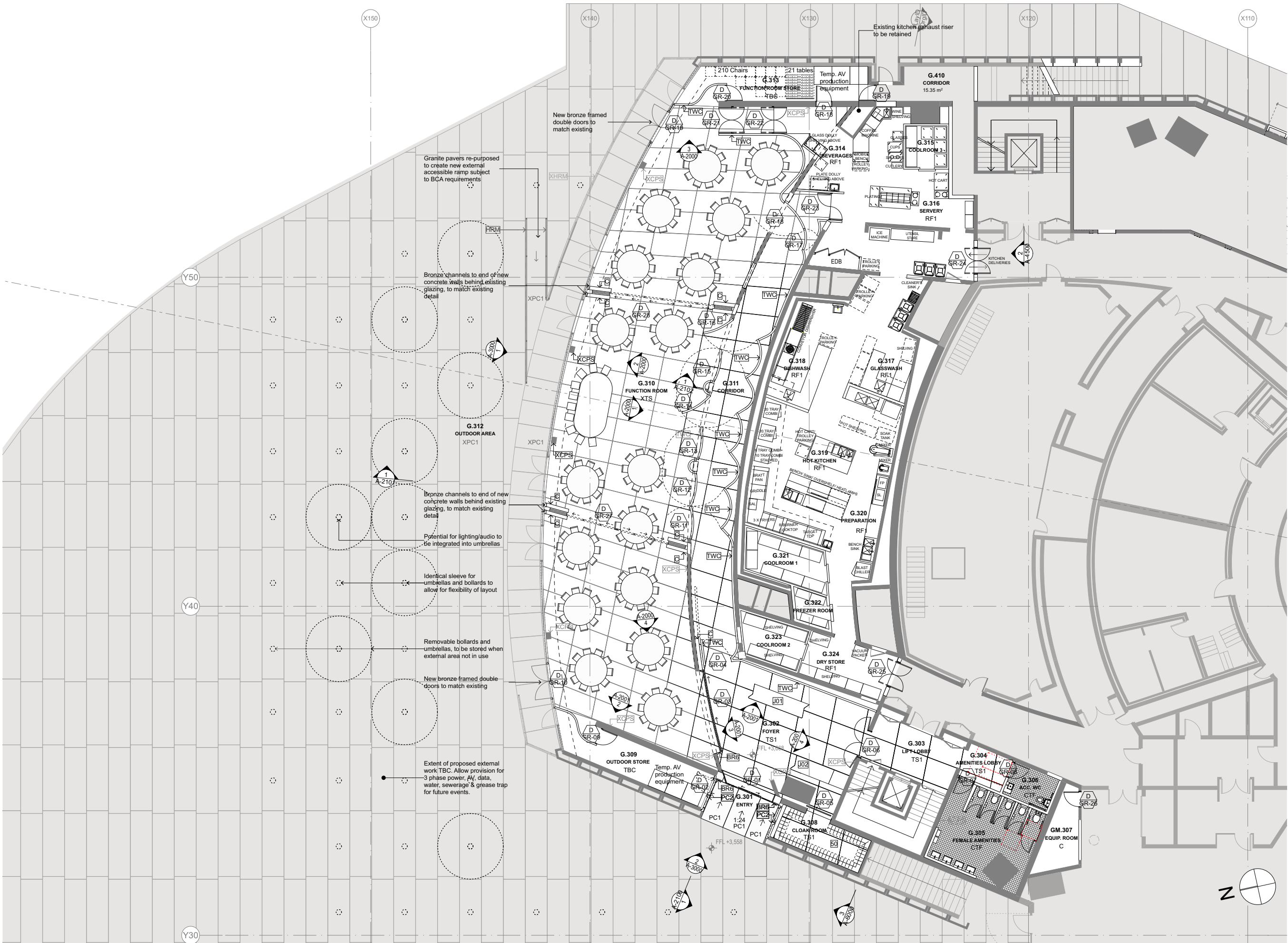


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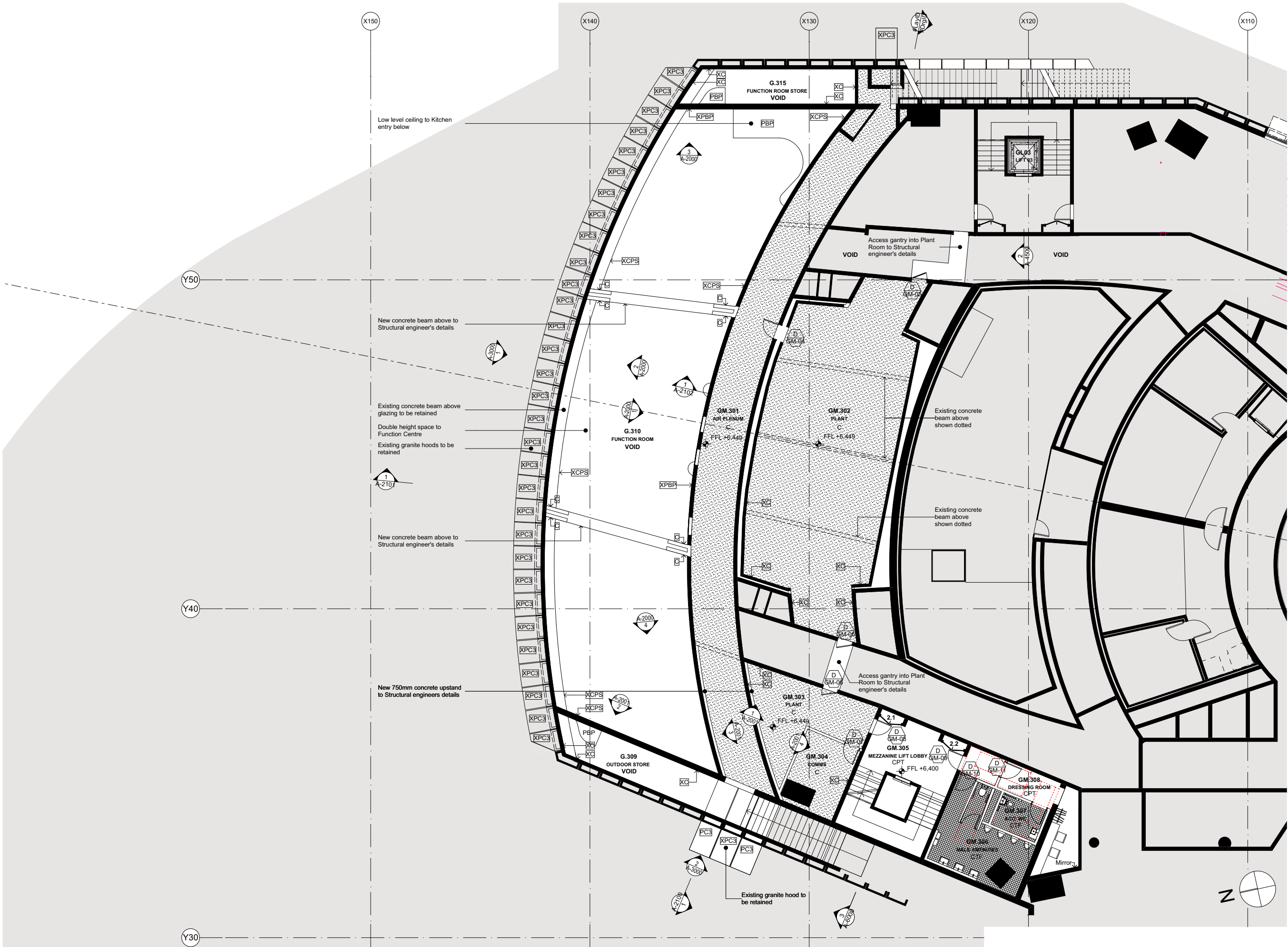


DEMOLITION LEGEND	
	Existing
	Demolition

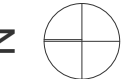
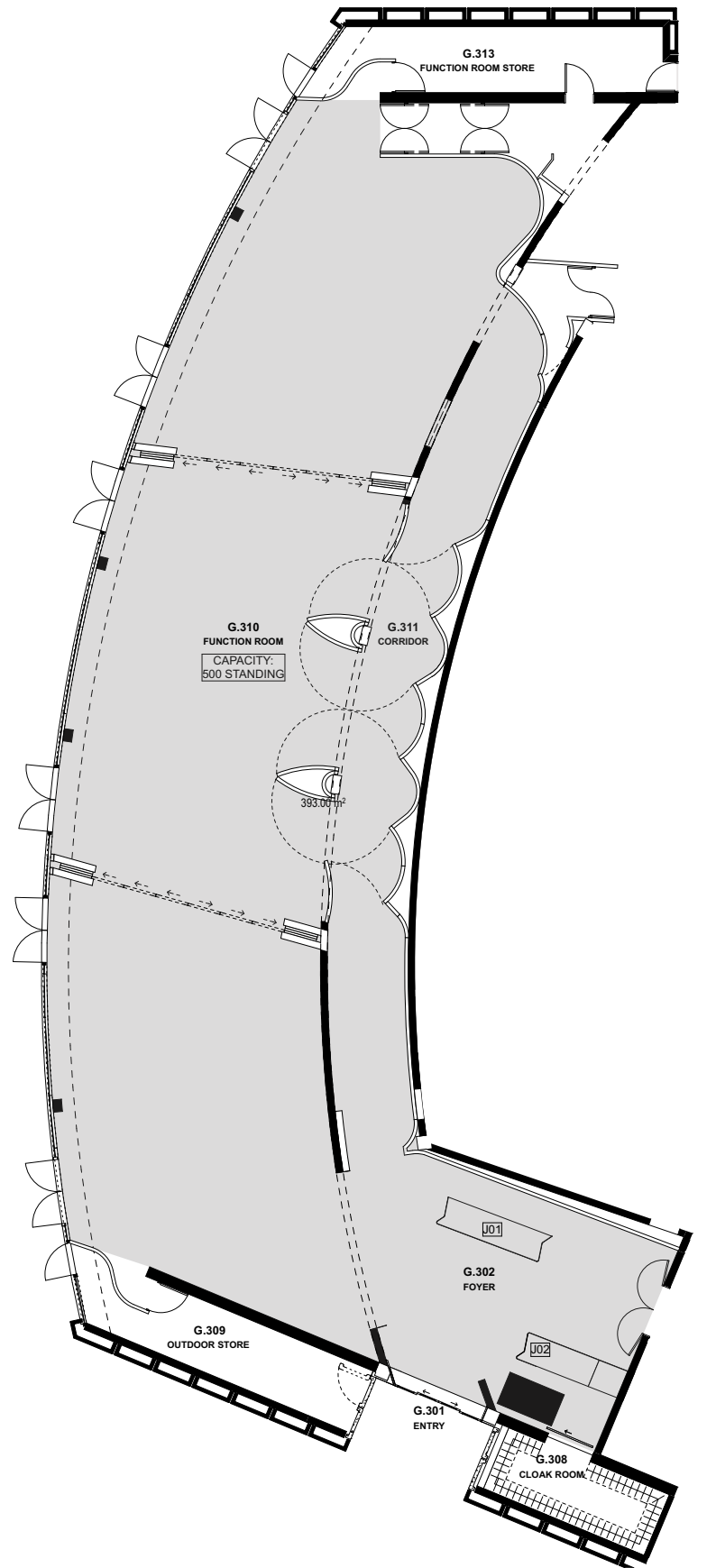
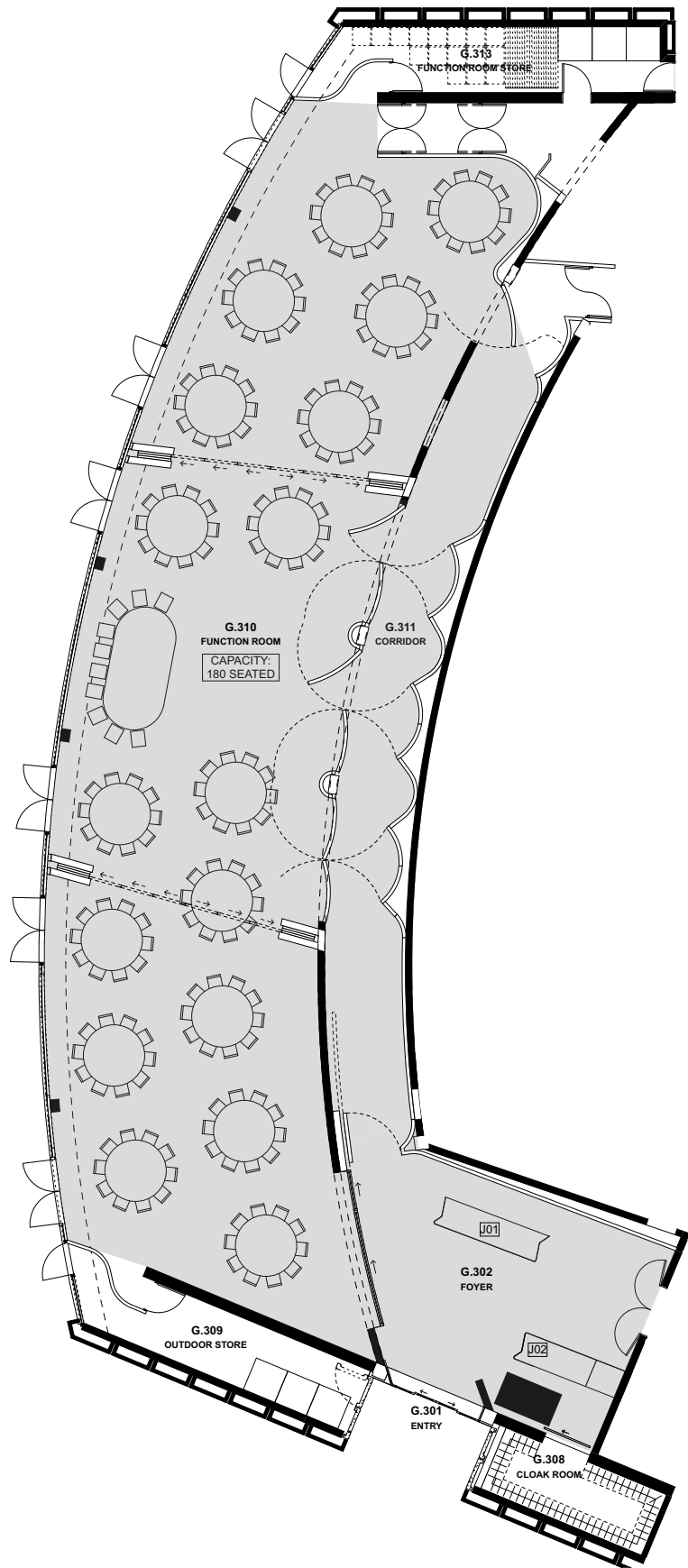
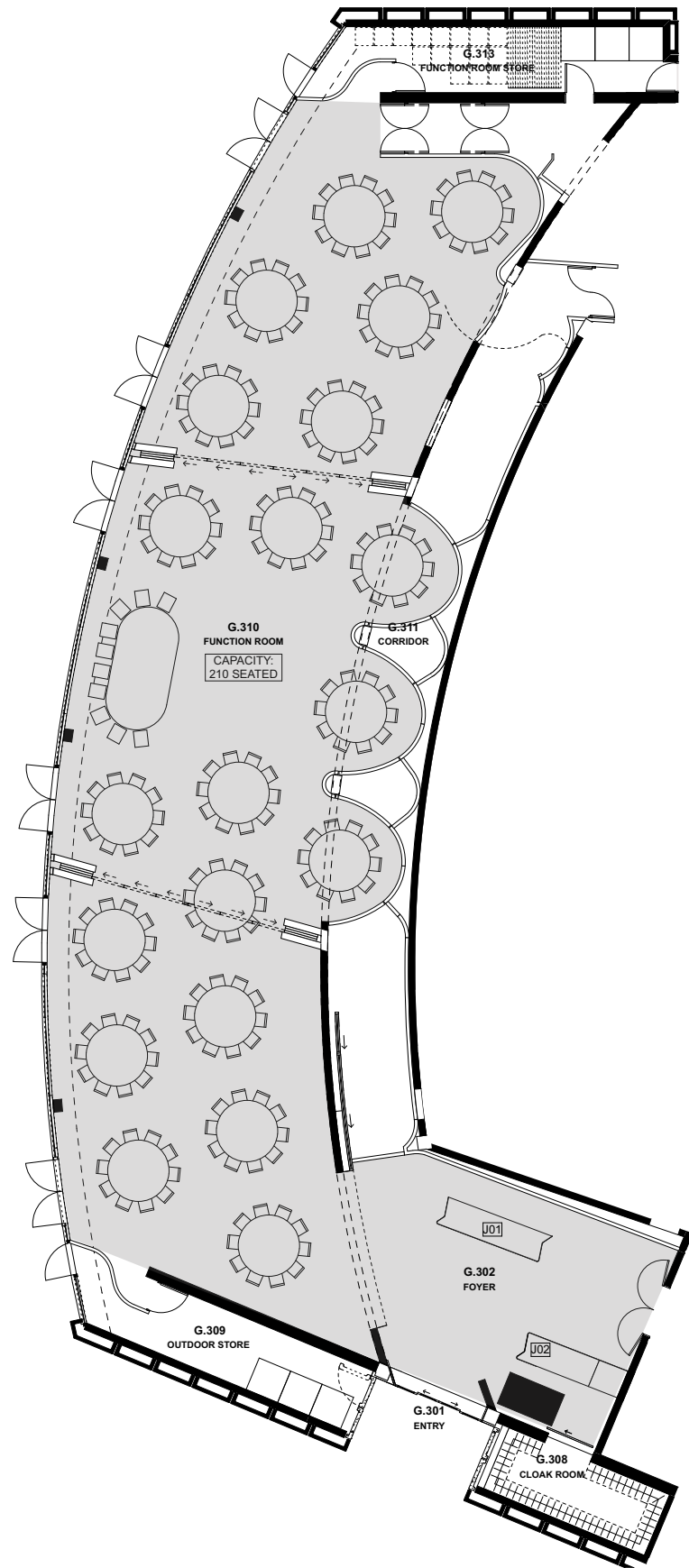
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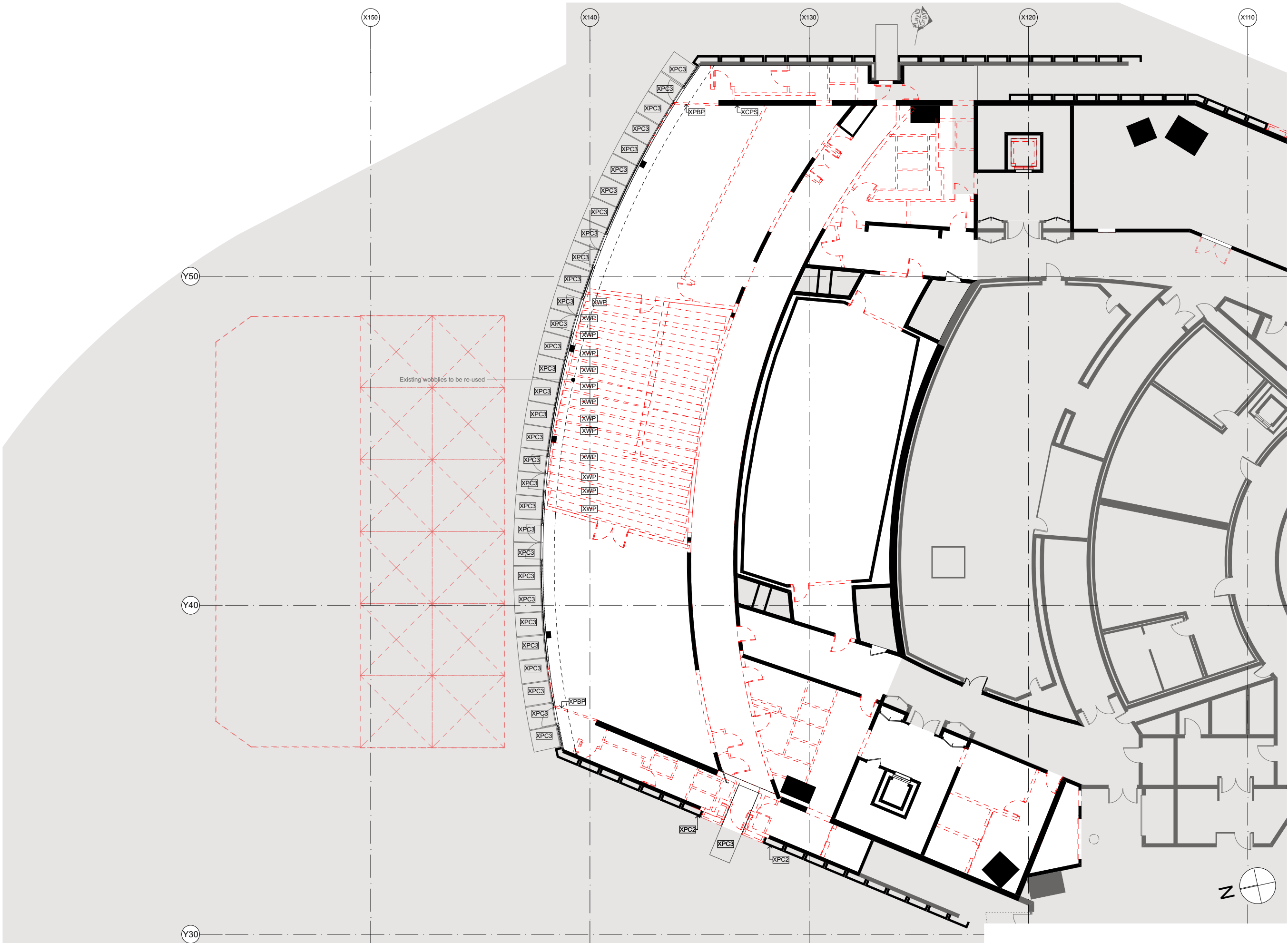
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FIRE ENGINEERING			Warren Smith Partners / David Bolt Phone: 0425 256 922 Email: david@warrensmith.com.au		HYDRAULIC ENGINEER		LIGHTING ARCHITECT		MECHANICAL ENGINEER		ESD CONSULTANT		SCALES		DATE
KITCHEN CONSULTANT			Mack Group / Nisha Ghanwal Phone: 02 9550 0566 Email: hg@mackgroup.com.au		COST PLANNING CONSULTANT		HERITAGE CONSULTANT		FIRE CONSULTANT		ACCESSIBILITY CONSULTANT		1:200 @ A3 1:100 @ A1		August 2016
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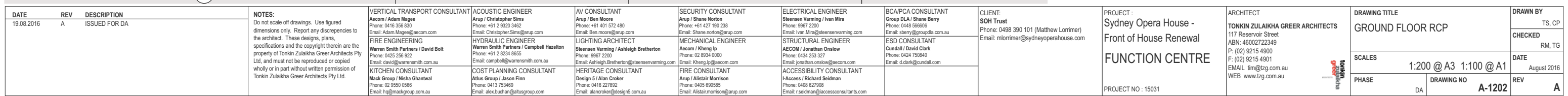
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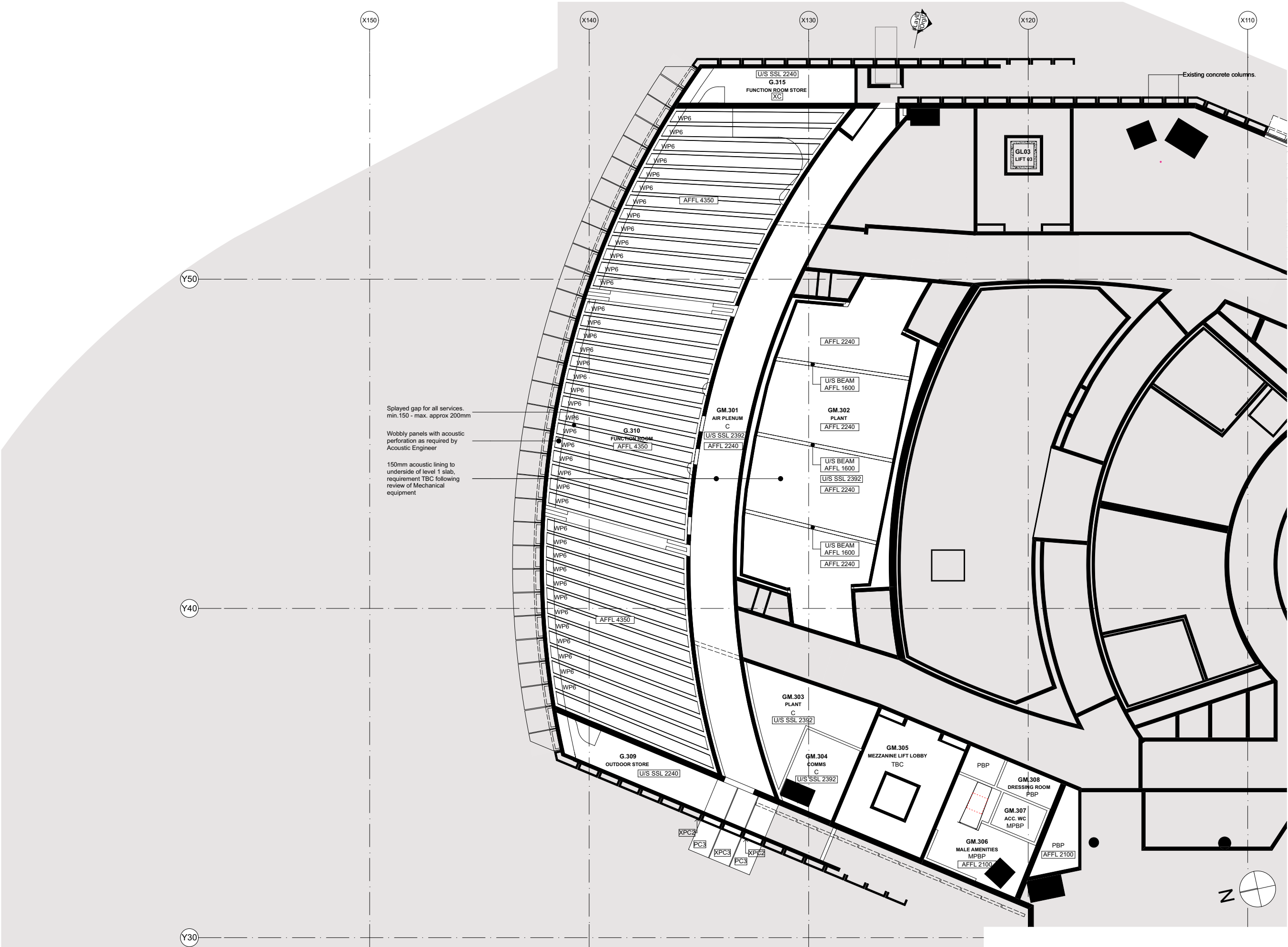


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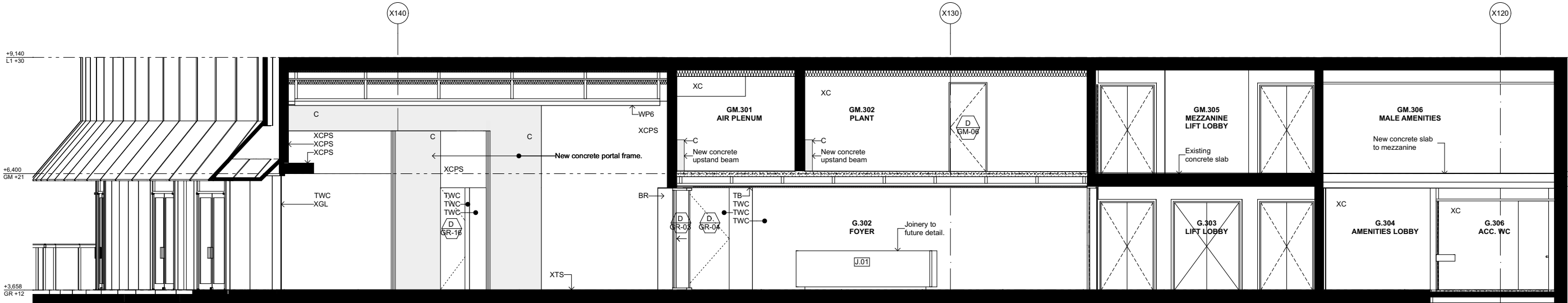


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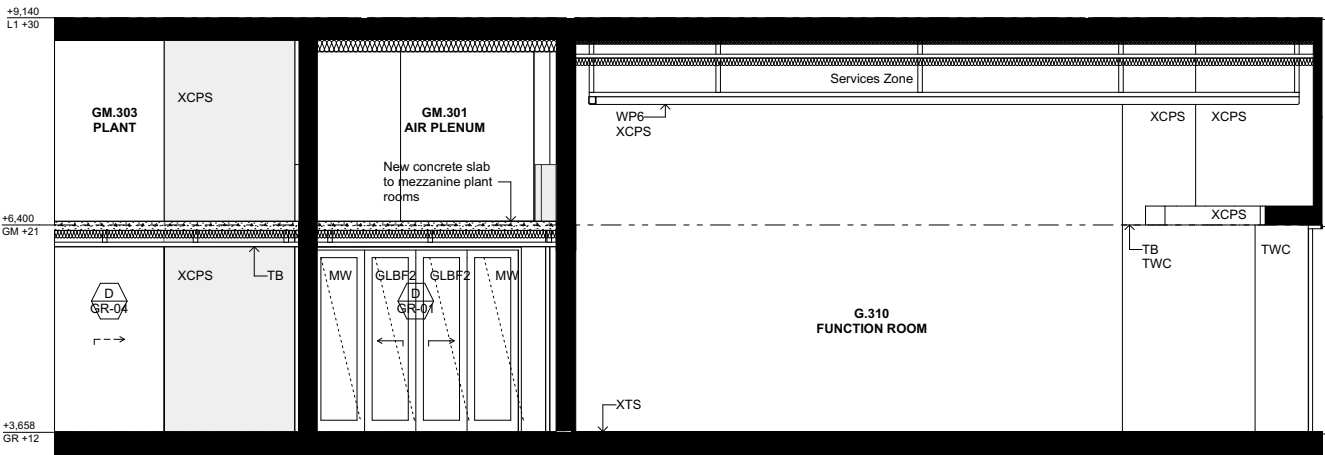




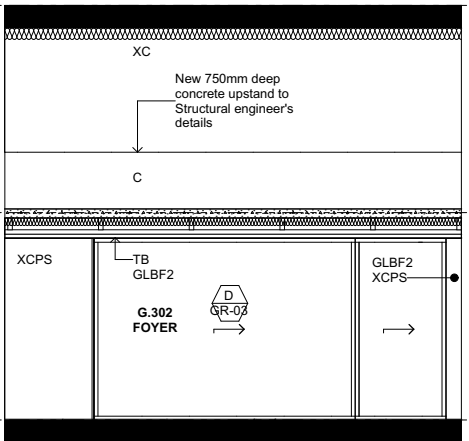
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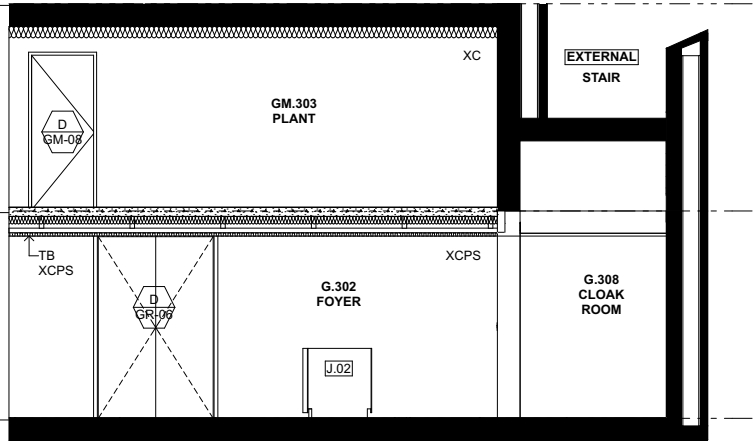
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2 INTERNAL ELEVATION - FOYER WEST WALL
1:50

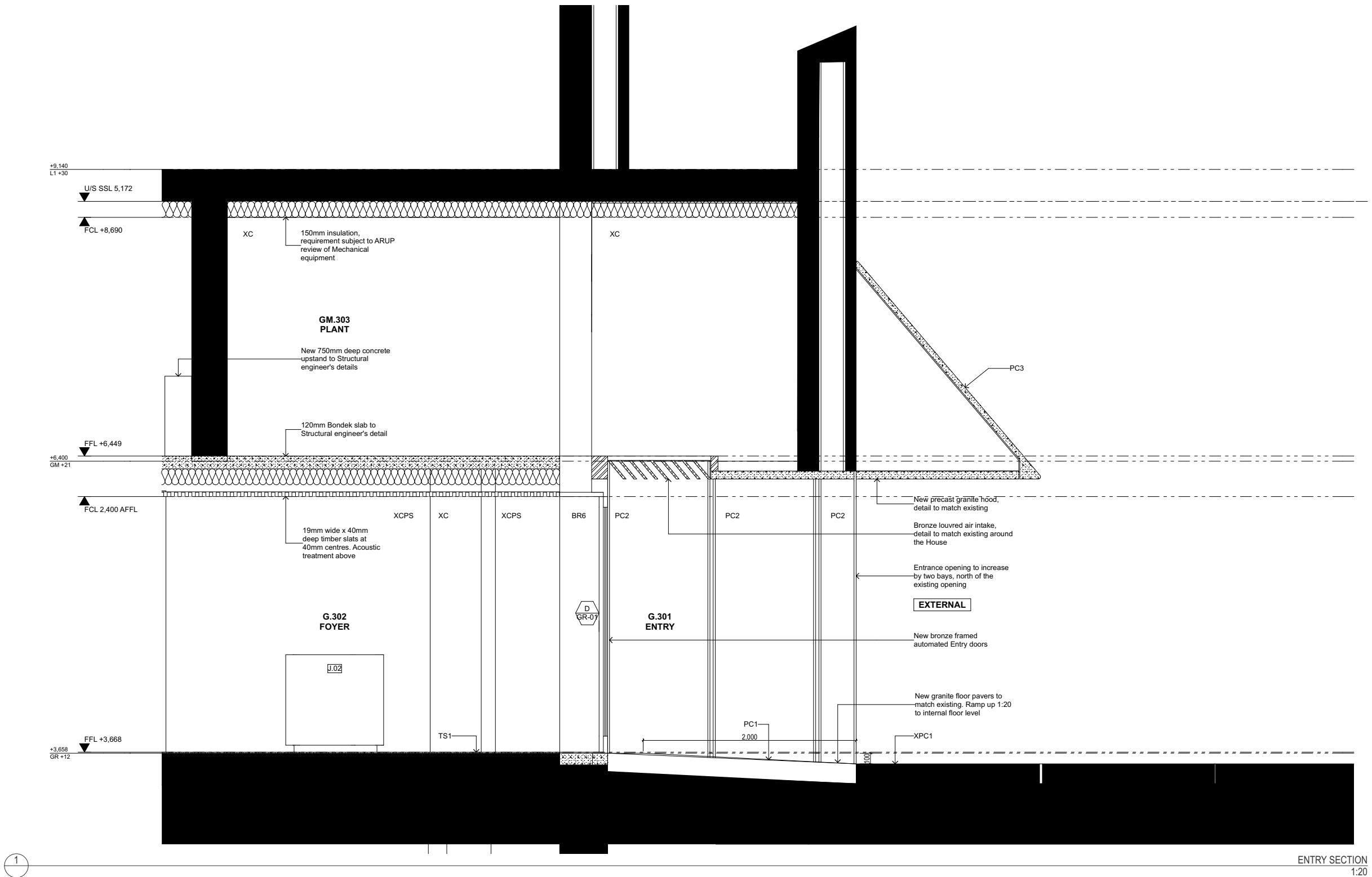


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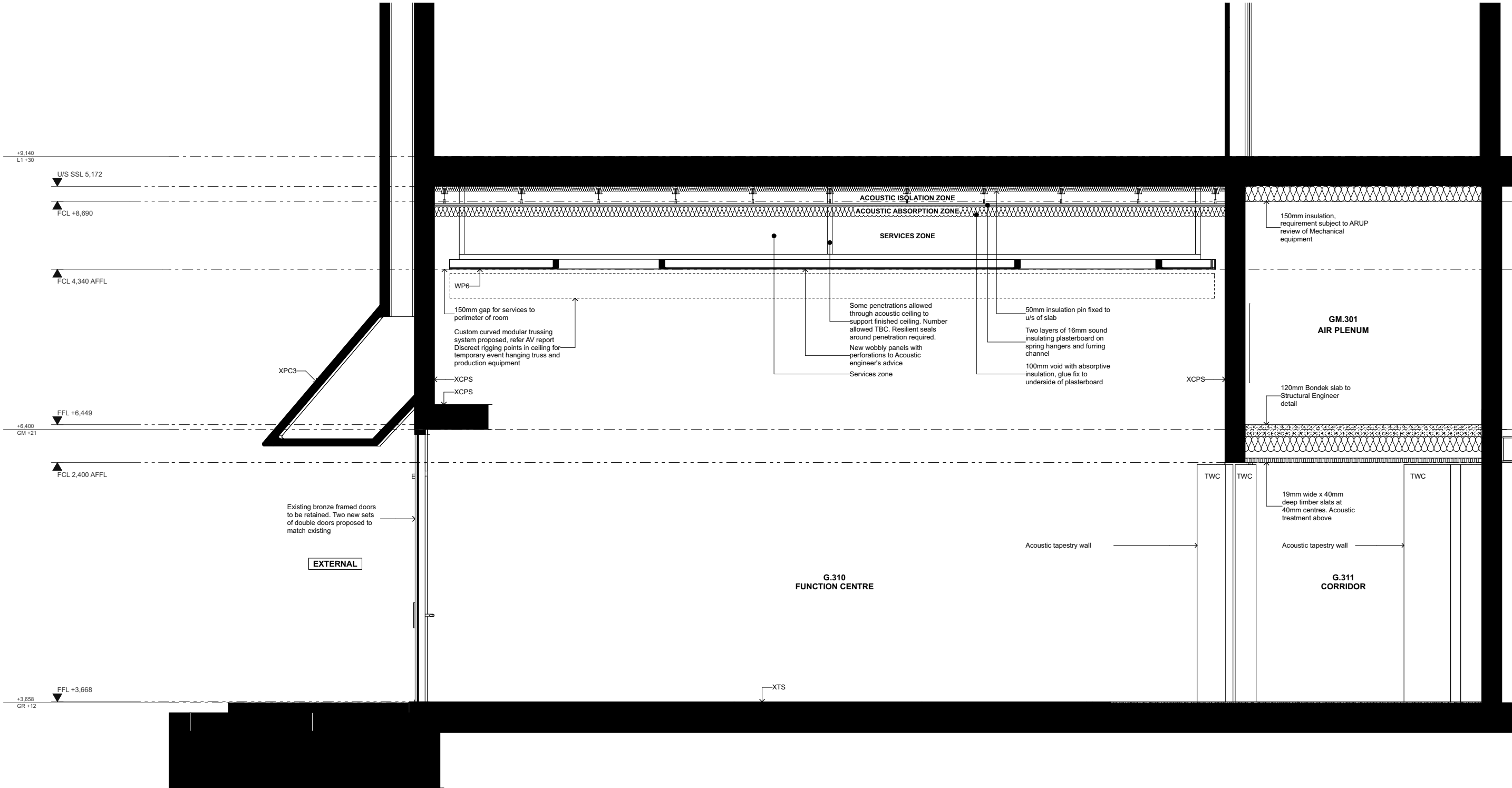


4 INTERNAL ELEVATION - FOYER SOUTH WALL
1:50

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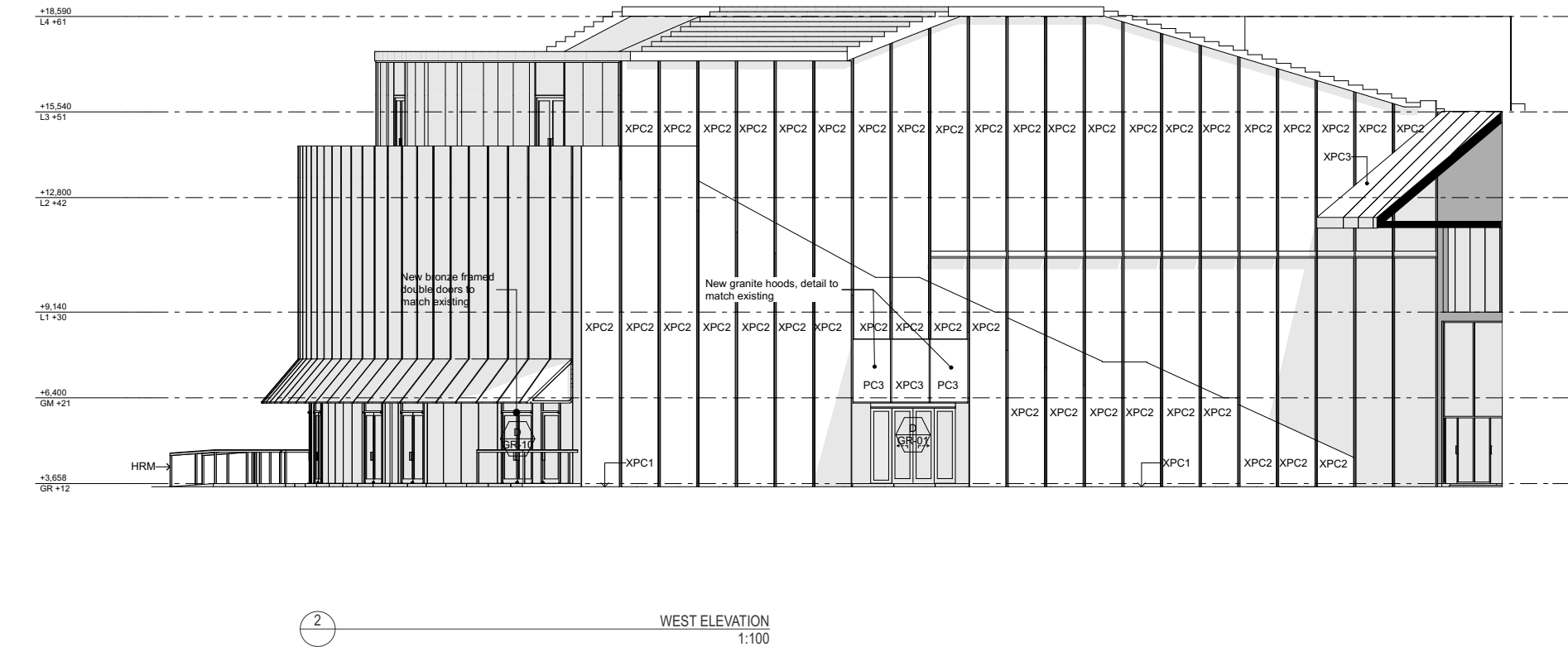
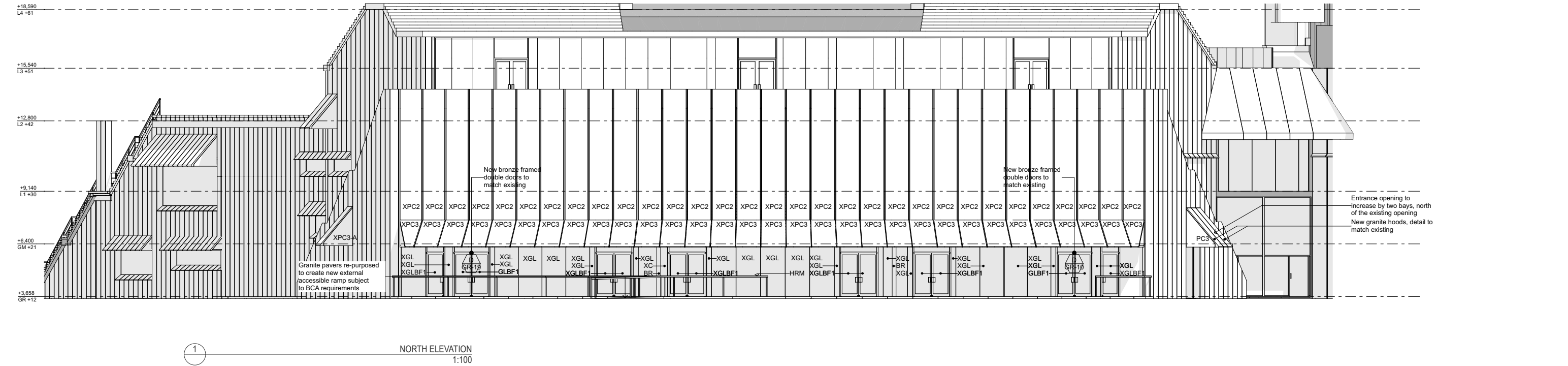
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											PROJECT NO : 15031		REV A	



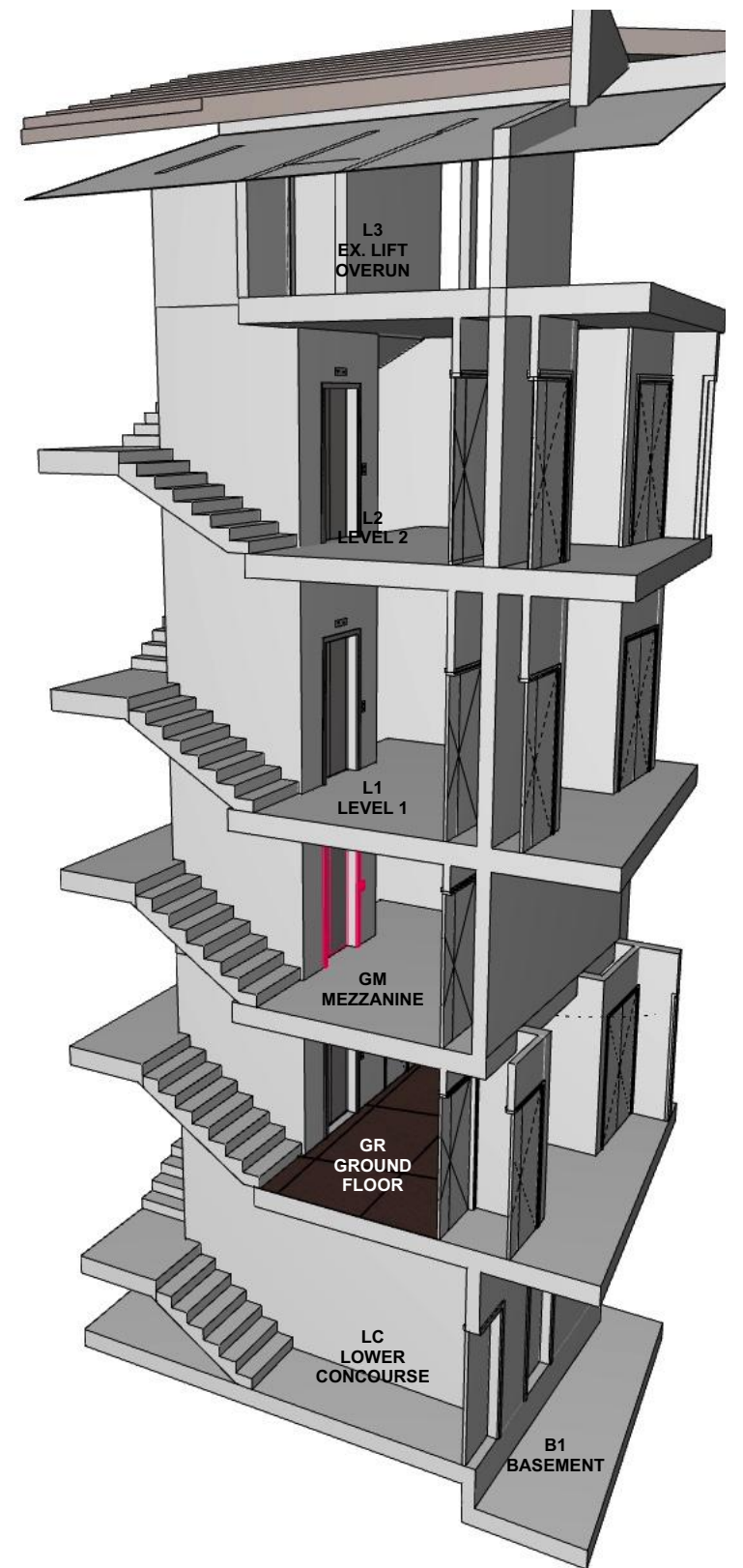
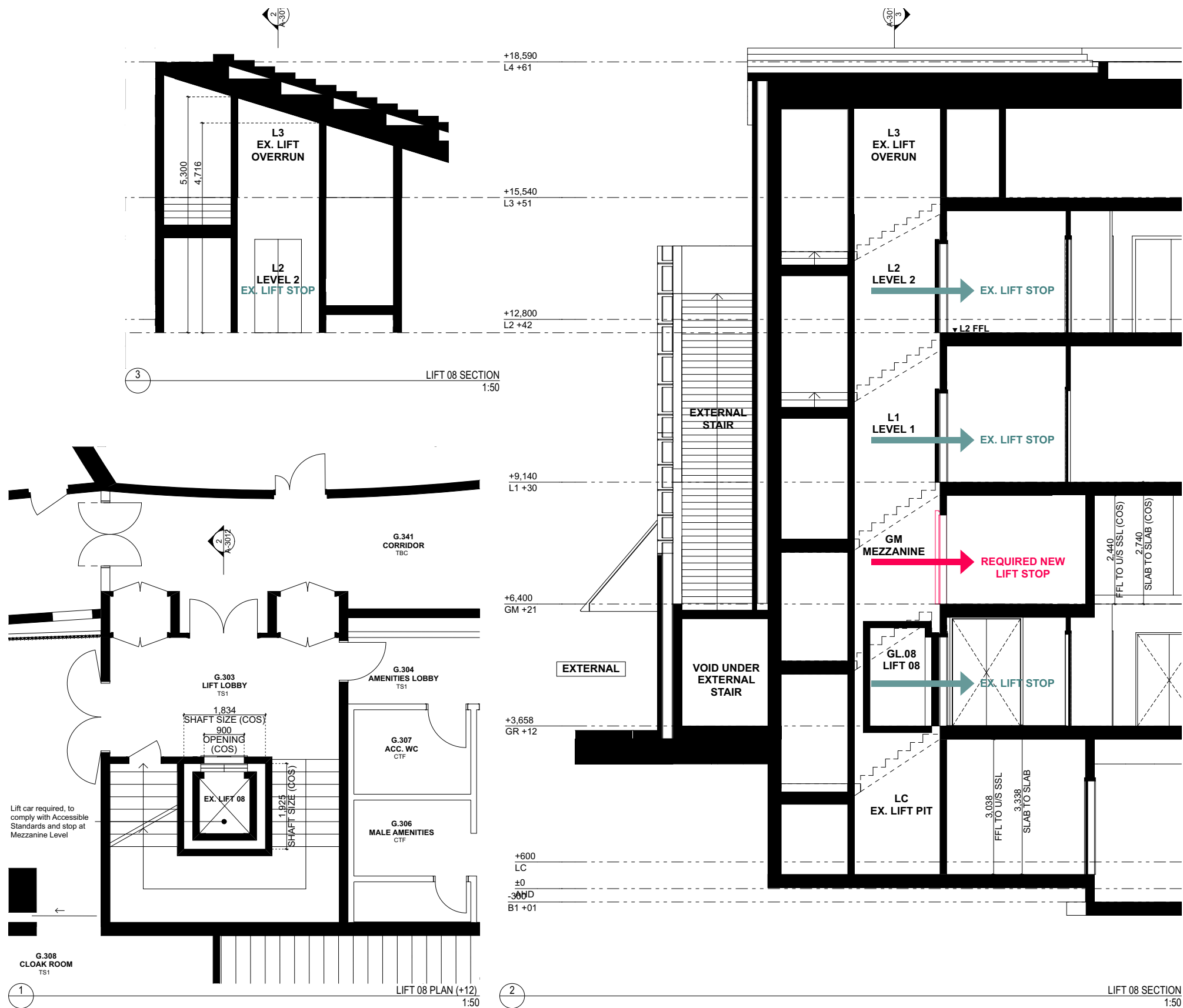
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FUNCTION CENTRE SECTION
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											PROJECT NO : 15031		REV A	



LIFT 08 REQUIRED FOR ACCESSIBLE GUEST ACCESS TO FUNCTION CENTRE AND ACCESSIBLE ACCESS TO PROPOSED FUNCTION CENTRE DRESSING ROOM LOCATED ON MEZZANINE FLOOR IN EXISTING STORE ROOM GM500/1, DIRECTLY ABOVE PROPOSED NEW FUNCTION CENTRE AMENITIES.

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											PROJECT NO : 15031		REV A	

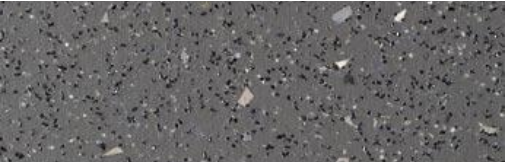
FINISHES



FLOORING

XTS -

Existing Terrazzo
Entry Foyer toilets done by Terrazzo Australian Marble Pty Ltd. Investigate whether Terrazzo extends under existing Kitchen. Test patching to be carried out for finish



FLOORING

RF1 -

Marmoleum Compliant for Commercial Kitchens, Back of House. Image is indicative only, Specification TBC



CEILING - HIGH LEVEL (FUNCTION ROOM)

WP6 -

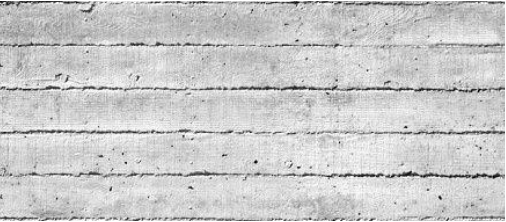
Wobbly Panel Ceiling, re-purpose existing and install new where required.



CEILING - LOW LEVEL (FOYER + CORRIDOR)

TB -

Suspended Ceiling, Timber battens, lime washed to match wobbling ceiling panels. 40mm (d) x 19mm (w), 40mm spacing. Image indicative only.



WALLS

XCPS -

Existing Painted Concrete, soda blasted to remove paint

PRODUCT INFORMATION



EXTERNAL GLAZING

GLBF1 -

New Bronze Framed double doors, hinged to match existing



TAPESTRY WALL

TWC -

Tapestry wall covering.
It is proposed to commission a contemporary Australian artist, selected by a renewal art committee, to undertake the tapestry located at the centre of the concrete wall. It is intended that the tapestry will be visible from the Northern Boardwalk. The current proposal shows an Anton James artwork as a visual place holder.

JOINERY FINISHES



BR1 -

Brass plate to counter fronts with gradually darkened patina. Top of brass counter to be natural/ off the mill brass colour, bottom to be pre-aged/ burnished brass colour



BR4 -

Pre-aged/ burnished brass plate to counter fronts skirting.



BT1 -

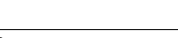
Acrylic solid surface, equal to Marblo Opal series, colour Ariel (cream white)

DRAFT

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						SCALES @ A3	CHECKED RM, TG
						PHASE DA	DATE August 2016
				PROJECT NO : 15031		DRAWING NO A-9000	REV A

Plot date:14/09/2016 File: /Volumes/public/PROJECTS TZG/15031 SOH - FRONT OF HOUSE/02 SFH MODELS/00 ARCHIVE/Development Application/ _SOH_BRR_DA_160619.plt



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25.08.2016	A	ISSUED FOR DA		PROJECT NO : 15031				SCALES @ A3		DATE August 2016
								PHASE DA	DRAWING NO A-9100	REV A