

SYDNEY OPERA HOUSE | FRONT OF HOUSE

Creative Learning Centre

ARCHITECTURAL DRAWING SET	CREATIVE LEARNING CENTRE	REV
DA ISSUE	19 FEBRUARY 2018	D

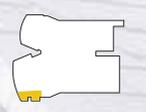


Document Information

CLIENT SYDNEY OPERA HOUSE TRUST
 PROJECT BUILDING RENEWAL - FRONT OF HOUSE
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 CONSULTANT AECOM
 TEAM STEENSEN VARMING
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 WARREN SMITH & PARTNERS
 THE MACK GROUP

DOCUMENT REVISION AND STATUS					
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A	09.08.2016	DA DRAWING ISSUE - CREATIVE LEARNING CENTRE	FINAL	RM	TG
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Introduction

The Sydney Opera House Trust (SOHT) has engaged Tonkin Zulaikha Greer (TZG) Architects to prepare the Concept and Schematic Design Development and Development Application for the Front Of House (FOH) Projects under the Renewal Framework Program. This program 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 DA Drawing Issue includes the architectural drawings 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 with the SOH Eminent Architects Panel, the SOH Conservation Council and the SOH Executive Team.

The Concept- and the Schematic Design Reports 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.

Creative Learning Centre

Function

At the northern end of the Western Foyer the Creative Learning Centre (CLC) will provide a home for the innovative learning experience programme that has been developed at the SOH over the last decade. The program will offer interactive and immersive experiences for all ages.

The CLC is a space that will be used to facilitate diverse client groups, such as networking events from multi-national organisations to a space that presents the most contemporary theatre for babies.

The programmatic objectives of the Creative Learning Centre consists of:

- * Large learning space with green screen capabilities
- * Small learning space
- * Work in progress storage
- * Equipment storage
- * Lighting and AV grid to the ceiling
- * Acoustic Isolation
- * Associated WC's and Kitchenette
- * Display 'stage' to Northern Boardwalk
- * Access from the Western Foyer and the Western Boardwalk

These objectives have been achieved by forming two principal spaces lined with multifunctional storage walls that use repurposed wobbly panels to create reversible and interchangeable surfaces for flexible program set-ups.

Each space has a lighting and AV grid located under the new acoustically isolating ceiling.

Concept

The Creative Learning Centre has been thought of as a 'stage' where the magic of stagecraft becomes the basis of learning. The 'stage' is rendered white in order to stand out as a 'container'.

The vast amount of necessary storage joinery has been thought of as stage scenery, different modes playing to the space with various colours and acoustics.



SYDNEY OPERA HOUSE | FRONT OF HOUSE RENEWAL CREATIVE LEARNING CENTRE

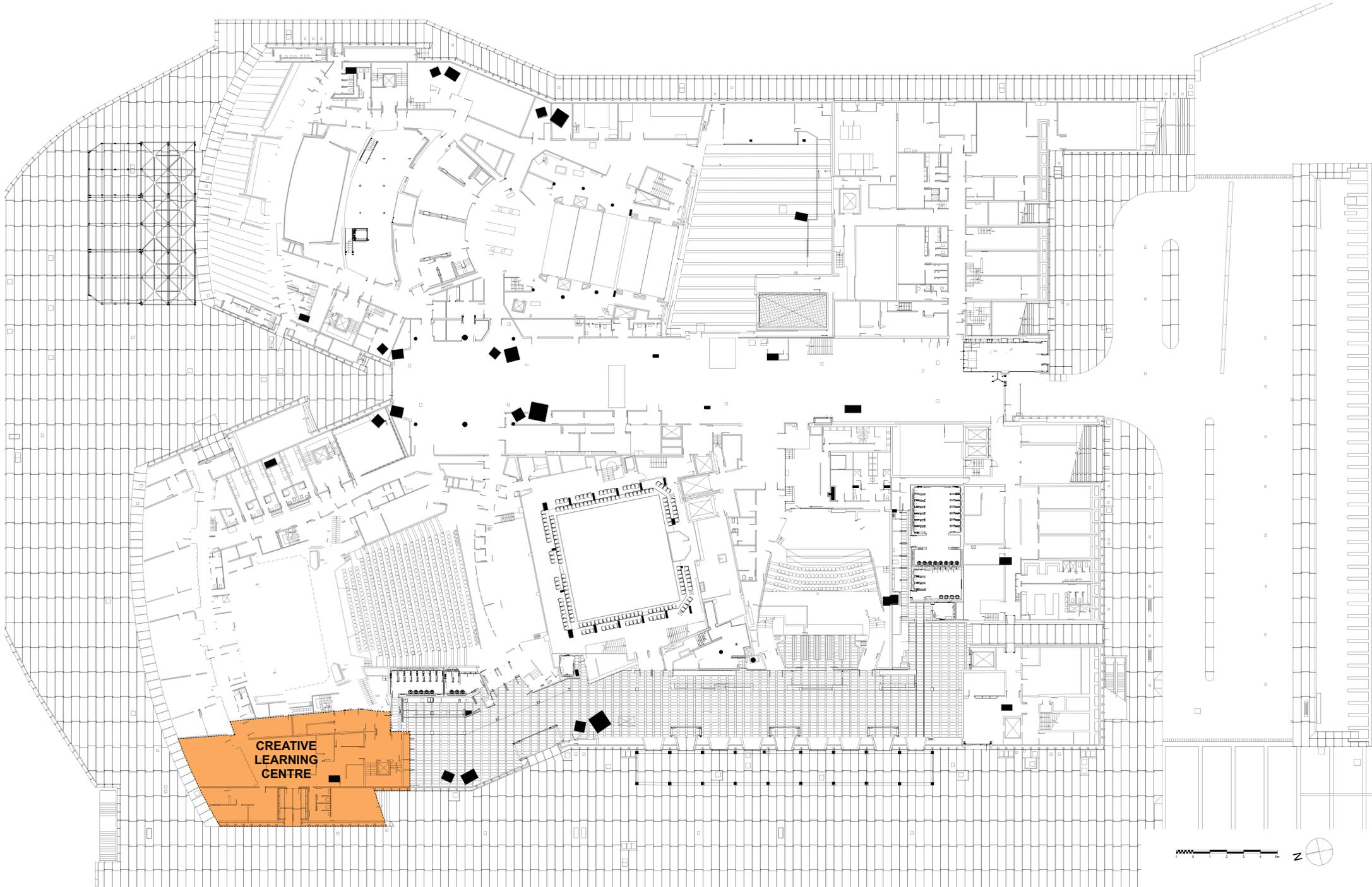
DRAWING LIST

CREATIVE LEARNING CENTRE DA - SECTION 60		Scale @ A1
A-0000	COVER PAGE AND DRAWING LIST	
A-0001	SITE LOCATION PLAN	1:250
A-0101	DEMOLITION GROUND FLOOR PLAN (+12)	1:100
A-1001	PROPOSED GROUND FLOOR PLAN (+12)	1:100
A-1201	DEMOLITION GROUND FLOOR RCP (+12)	1:100
A-1202	PROPOSED GROUND RCP (+12)	1:100
A-2001	SECTIONS 1	1:50
A-2002	SECTIONS 2	1:50
A-2003	SECTIONS 3	1:50
A-2101	DETAIL SECTION	1:25
A-3001	EXTERNAL ELEVATIONS	1:50
A-9001	FINISHES AND PRODUCT INFO	
A-9101	WESTERN FOYER ENTRY DOORS	
A-9102	PRIMARY LEARNING SPACE	
A-9103	DIGITAL LEARNING SPACE	
A-9104	DIGITAL LEARNING SPACE EXTERNAL	

LEGEND

Code	Description	Code	Description	Code	Description
AC	Air-Conditioning	GLBF1	bronze-framed Glass Door, hinge	UR	Urinal
ACC	Access	GLBF2	bronze-framed Glass Door, sliding	VJ	Vertical Joists
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 Rise	WDF	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 Joists	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
AU	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 Bolard
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 (Sunscreen)	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 Screen)	MIR	Mirror	XCPS	Existing Concrete Paint Finish, stripped
BLR	Blockwork, reinforced	MLF	Metal Louvre- Fixed	XCPT	Existing Carpet
BLP	Blockwork, paint finish	MLO	Metal Operable Louvre	XCTF	Existing Ceramic Tiles
BOL	Bolard	MM	Metal Mesh (stretched)	XD	Existing Door to remain
BR1	Brass counterfronts, EF	MPSF	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	Brass joinery, EF	MW	Metal Windows, bronze-framed	XF	Floor Box, electrical+data
BR5	Brass handrail, UTS	OV	Oven	XFH	Existing Fire Hydrant
BR6	Brass 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	Benttop, Marble	PC1	Precast Granite, Paver	XGL2	Existing Glazing, frosted
BT2	Benttop, 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
OM	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 Star
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 Cover Skirting	XPCS	Existing Precast Granite, Ceiling Panel
CTF	Ceramic Floor Tiles	SAP	Suspended acoustic panels	XPF	Existing External Painted Render
CTS	Ceramic Skirting	SC1	Services Casing (light, sound, sprinkler)	XPW	Existing Potable Water
CTW	Ceramic Wall Tiles	SC2	Services Casing (light, sound, acoustic, rigging)	XRP	Existing Rendered and Painted
CUR	Curtains	SCDB	SCI Door Distribution Board	XSC	Existing Services Casing (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
D1	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	Skylight	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	SNLK	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
F81	Floor Box, electrical+data	TAP2	Tapware, Washbasin Mixer, accessible	YG	Yard Gully
FC	Set Fibre Cement form painted	TAP3	Tapware, Kitchen Sink Mixer	GR-200	Grimshaw Balustrade
FE	Fire extinguisher	TF	Timber flooring		
FFL	Finished Floor Level	TF2	Timber Sprung flooring		
FG	Capacit 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, Stained, 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		
FWC2	Felt Wall Covering, Function Centre	TPD	Toilet partition doors		
FWC3	Felt Wall Covering, Creative Learning Centre	TPH	Toilet Paper Holder		
GCB	Colour backed glass	TR	Towel rail		
GF	Frameless Glazing	TS1	Terrazzo Stone Flooring		
GL	Glazing, brown tint	TS2	Stone Tile		
GL1	Glazing, clear	TSN1	Stair Nosing Type 1		
GL2	Glazing, frosted	TV1	Timber Veneer, Entry Foyer		
GL3	Glazing, TerraGlaz	TV2	Timber Veneer, Creative Learning Centre		
GLBF	Bronze-framed Glass Door, Hinge	U10	Unless Indicated Otherwise		

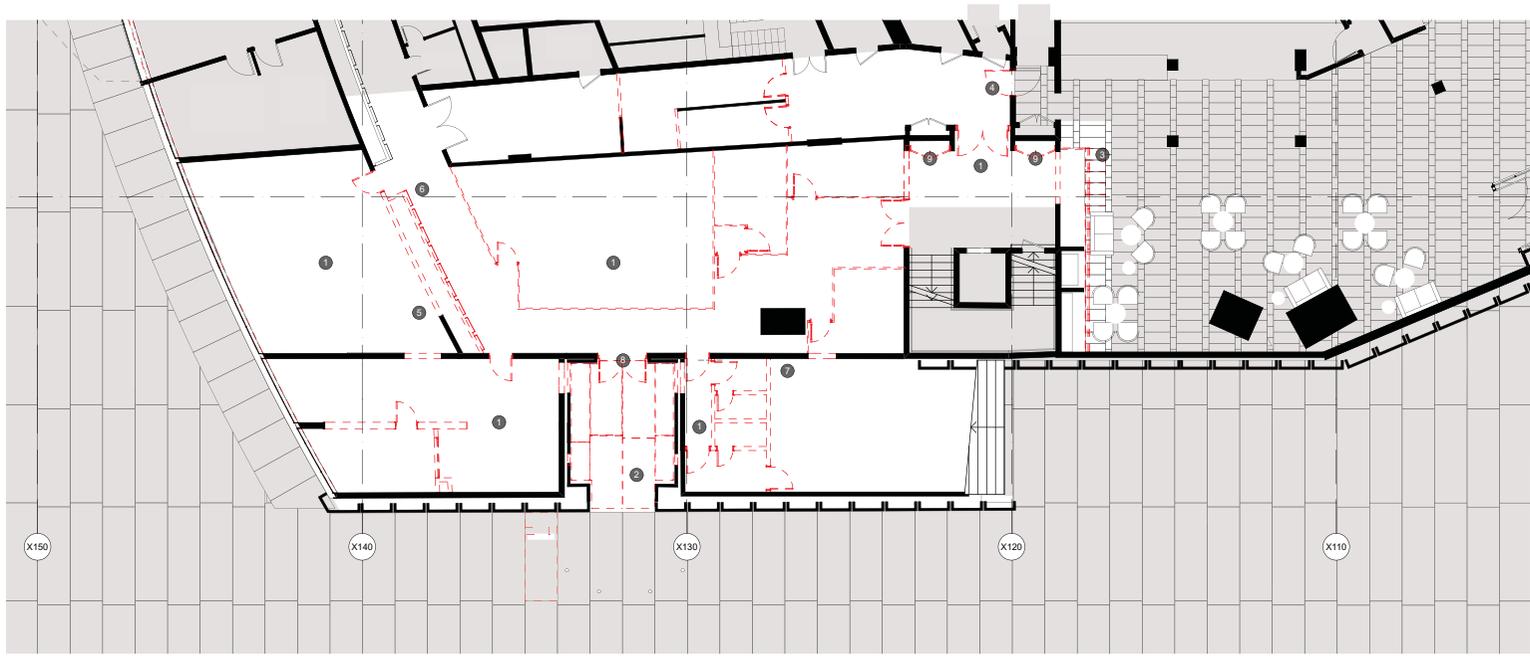
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CREATIVE LEARNING CENTRE



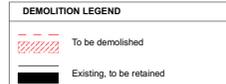
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1 GROUND FLOOR DEMO PLAN
1:100

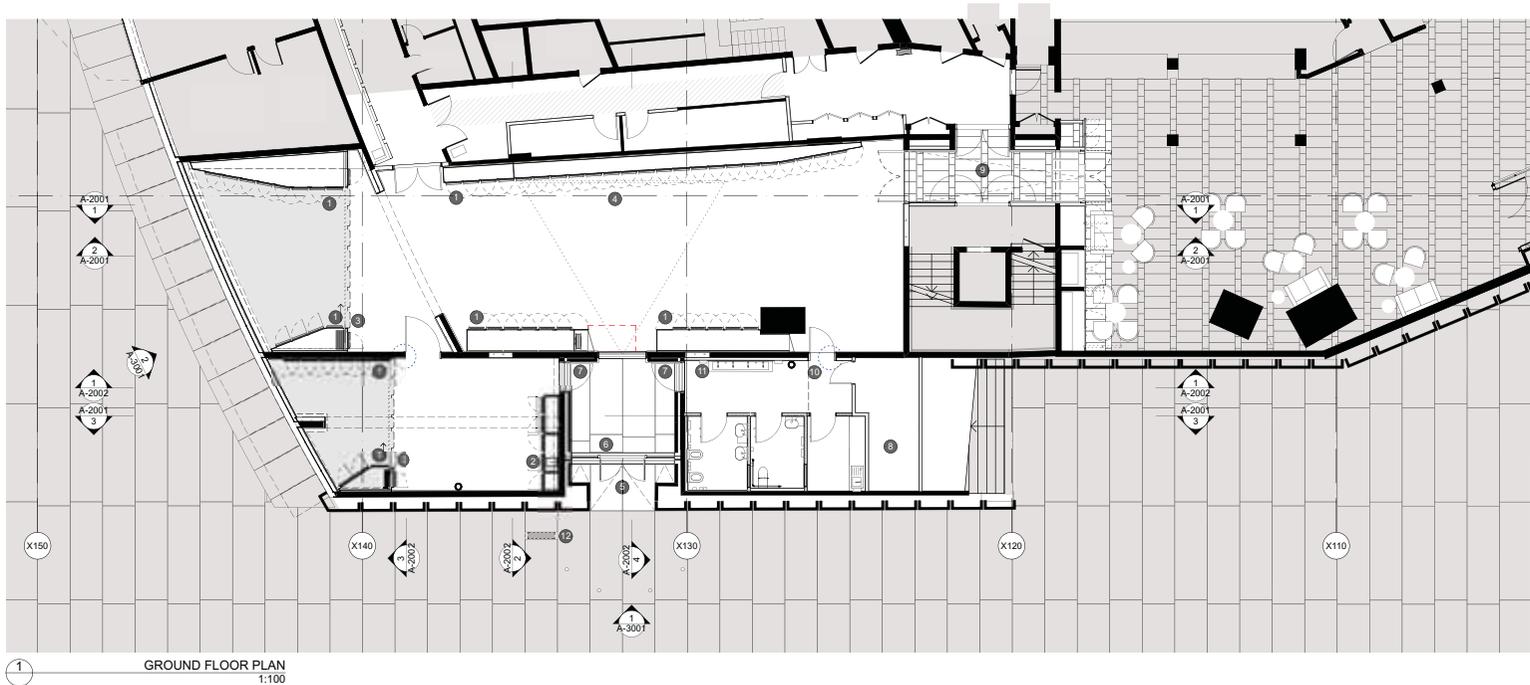
DEMOLITION PLAN NOTES:

- 1 Existing topping
Existing topping to be scabbled back to structural slab for new proposed floor finish
- 2 Existing PC1 Pavers
Existing PC1 precast granite pavers to be removed and reinstalled to match FFL internally. Two pavers at throat of existing opening to Western Broadwalk to be cut and reused as step ramp from Broadwalk level to internal FFL.
- 3 Existing Western Foyer Cupboard
Partially remove existing cupboard for new entry to Creative Learning Centre. Retain existing carcass and replace all existing doors to match new.
- 4 Existing Doors
Selected existing door swings to be reversed to allow for fire egress. Acoustic upgrade to doors to Acoustic Consultant requirements.
- 5 Existing Curved Concrete Wall
New opening in existing curved wall to match height of existing glazing to North. Retain existing boarded concrete wall above.
- 6 Existing Storage Wall
Existing services to be relocated.
- 7 Existing Stormwater Drain
To be redirected.
- 8 Existing Bronze Framed Glass Door
Existing Bronze Framed Glass Door to be carefully removed and relocated to Entry Lobby 2 with new glass sidelights.
- 9 Existing Service Cupboard
Existing Service Cupboard doors to be removed and opening closed off with fire rated construction.



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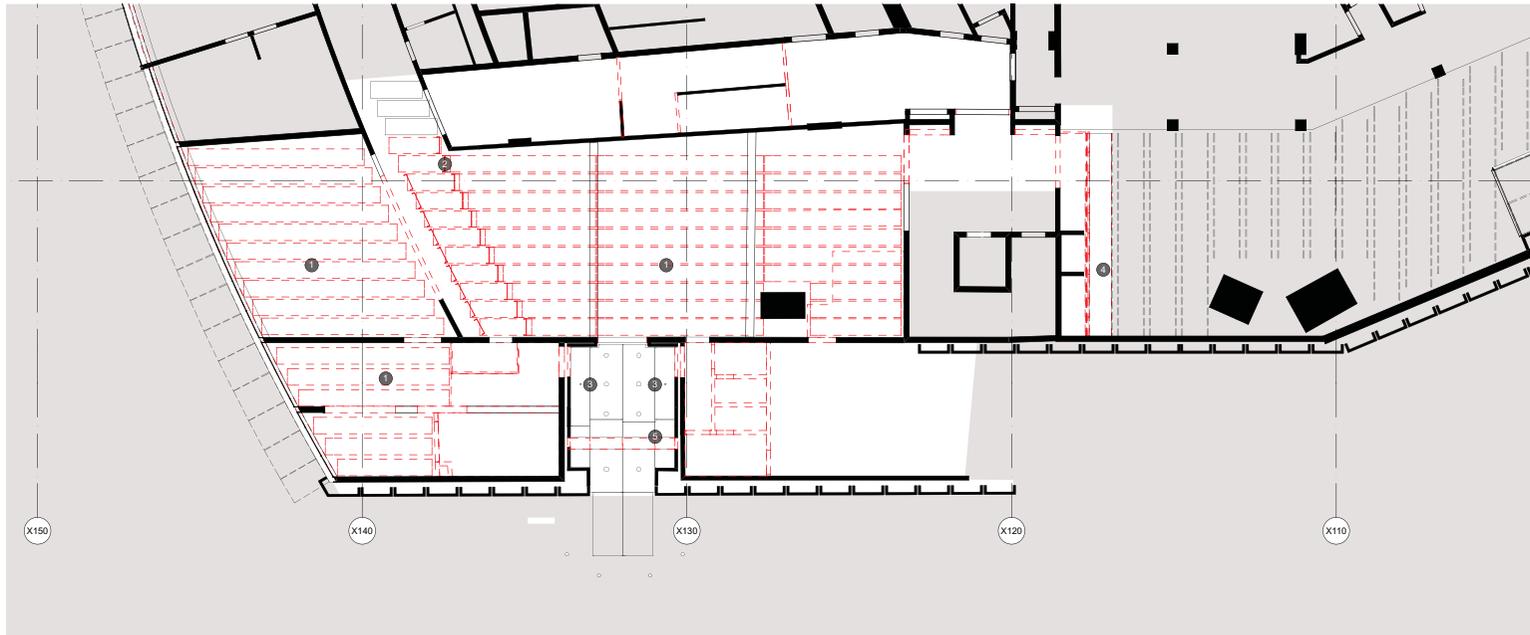


1 GROUND FLOOR PLAN
1:100

PROPOSED PLAN NOTES:

- 1 Multifunction Storage Wall 1 (WP1/WP2)
Repurpose existing wobbly panels to create operable walls with interchangeable back face for installations/exhibits and storage behind
- 2 Multifunction Storage Wall 2 (WP4/5)
Repurpose existing Wobbly panels to create operable wall. Proposed storage and concealed bench with basin.
- 3 Movable Felt Panels (CUR2)
Fully retractable Acoustic dividing felt panels on concealed ceiling track.
- 4 Green Screen
Proposed location for green screen.
- 5 Entry 2 Ramp
Proposed 1 in 10 step ramp reusing existing granite pavers to deal with level difference between internal FFL and external RL.
- 6 Existing Bronze Framed door relocated
Existing bronze framed glass door to be relocated to enclose existing external entry lobby space and automated.
- 7 Automated Doors
Proposed automated doors to Entry Lobby 2
- 8 Storage
Storage space below existing stair with sloping ceiling. Allow for waterproofing to the underside of existing stair.
- 9 Sound + Light Tunnel
New proposed entry tunnel from Western Foyer to act as gateway to CLC. Internally clad with white surfaces with multicoloured lighting or projections on wall/ceiling and floor surfaces.
- 10 Relocated Stormwater Drain
- 11 Washing up trough
- 12 External Sign

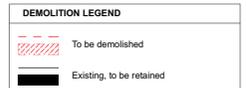
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1 GROUND FLOOR DEMO RCP
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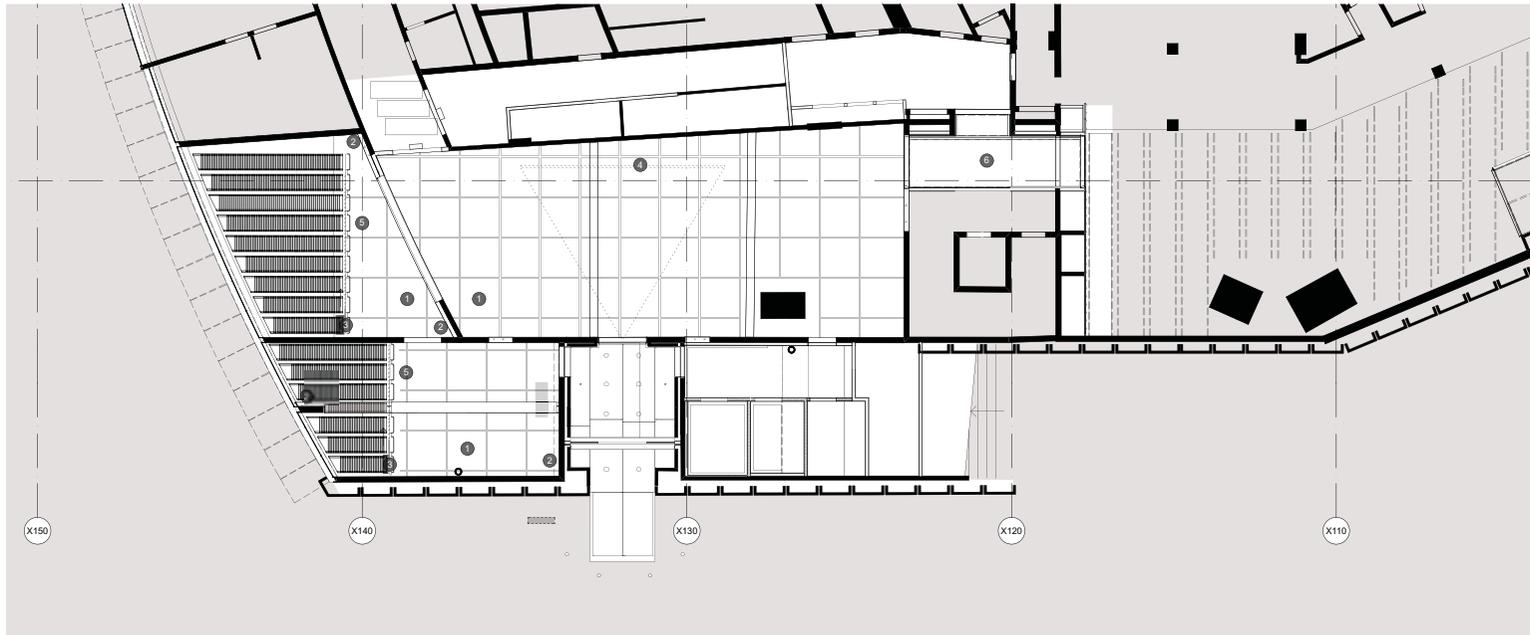
DEMOLITION RCP NOTES:

- 1 Existing Wobbly Ceiling Panels
Existing Wobbly Panels to be carefully removed from ceiling and re-purposed for new ceiling and joinery panels.
- 2 Existing Wall Wobbly Panels
Existing wobbly panels on the wall are to be carefully removed and re-purposed for new ceiling and joinery panels.
- 3 Existing PC3 Ceiling Panels
New penetrations required to existing ceiling precast granite panels for new fire services required to Entry Lobby 2.
- 4 Existing Ceiling Panels in Western Foyer
Cut back existing Ceiling Panels in Western Foyer to suit new cupboard doors.
- 5 Existing PC3 Entry Lobby 2
Cut back existing Precast granite ceiling panels to suit location of new relocated GLBF door and reveal.



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				FIRE ENGINEERING Warren Smith Partners / Campbell Hazell Phone: 0425 256 922	HYDRAULIC ENGINEER Warren Smith Partners / Campbell Hazell Phone: +61 2 6234 8605	LIGHTING ARCHITECT Steenzen Varming / Ashleigh Bretherton Phone: 1907 2200	MECHANICAL ENGINEER Accom / Kheng Ip Phone: 02 8034 0000	STRUCTURAL ENGINEER ACCOM / Jonathan Orslow Phone: 0434 021 327	ESQ CONSULTANT Cundall / Lisa Chan Phone: 0434 750460 Email: lchan@cundall.com				SCALES 1:100 @ A1	CHECKED RM, TG	DATE November 2017
				KITCHEN CONSULTANT Nusa Group / Miska Guarned Phone: 02 9550 0566 Email: hq@nusaingroup.com.au	COST PLANNING CONSULTANT Alpa Group / Jason Flin Phone: 0413 793469 Email: jason.flin@alpagroup.com	HERITAGE CONSULTANT Design 5 / Alan Croker Phone: 0416 227862 Email: alan.croker@design5.com.au	FIRE CONSULTANT Anup / Afsatir Morrison Phone: 0408 690585 Email: afsatir.morrison@anup.com	ACCESSIBILITY CONSULTANT Access / Richard Anderson Phone: 0408 627608 Email: r.anderson@accessconsultants.com					PHASE DA	DRAWING NO A-1201	REV B

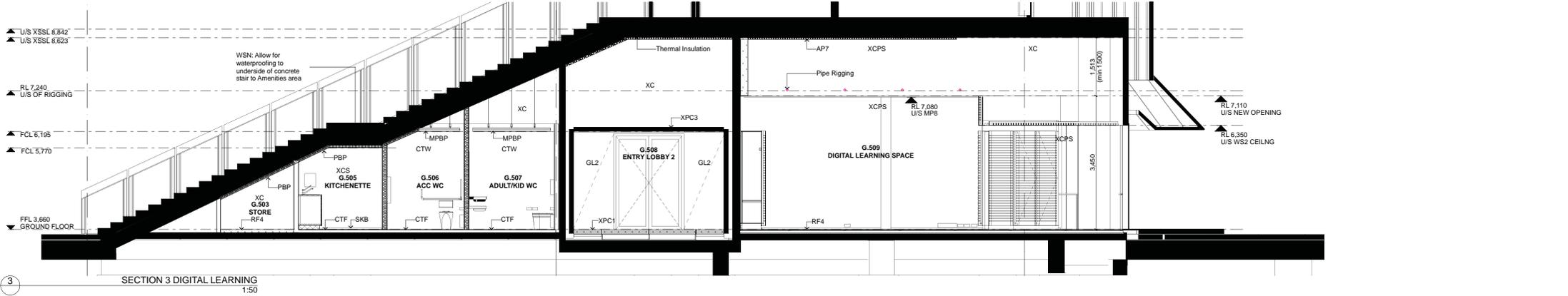
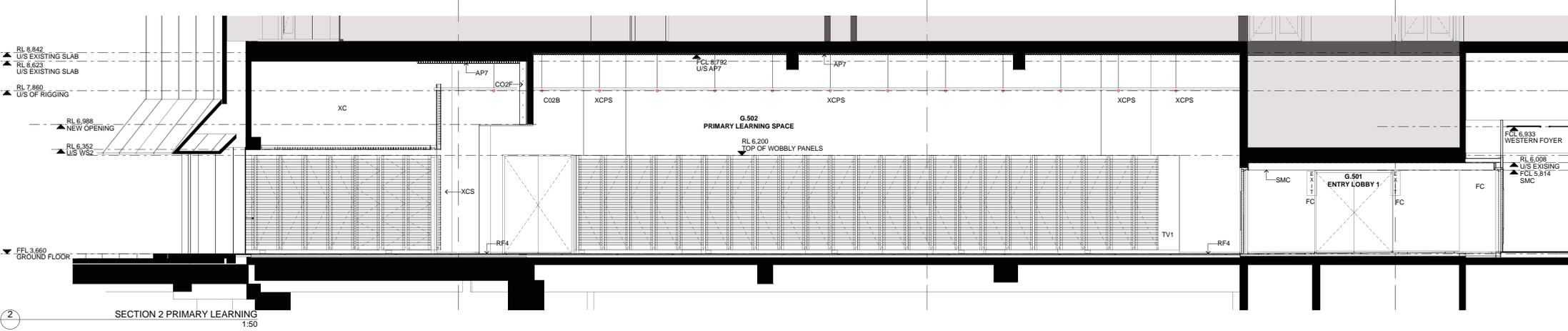
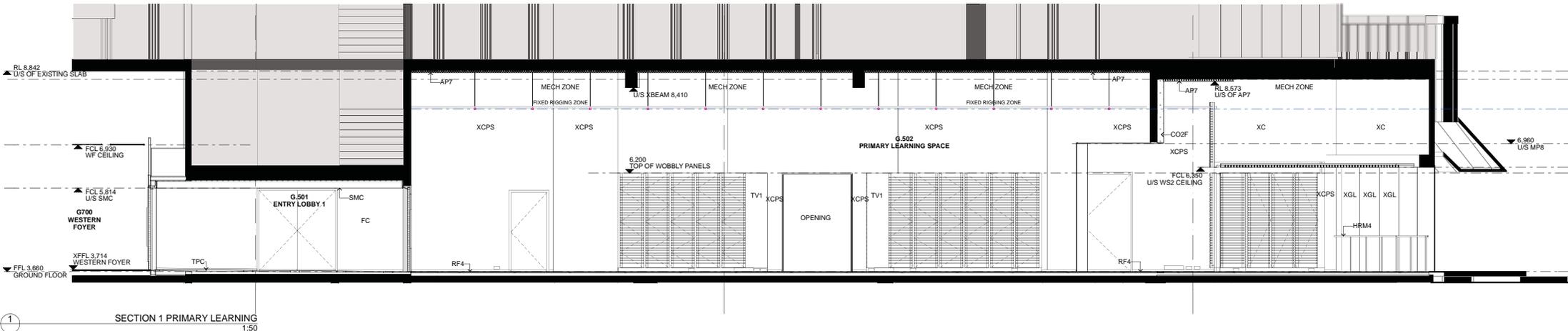


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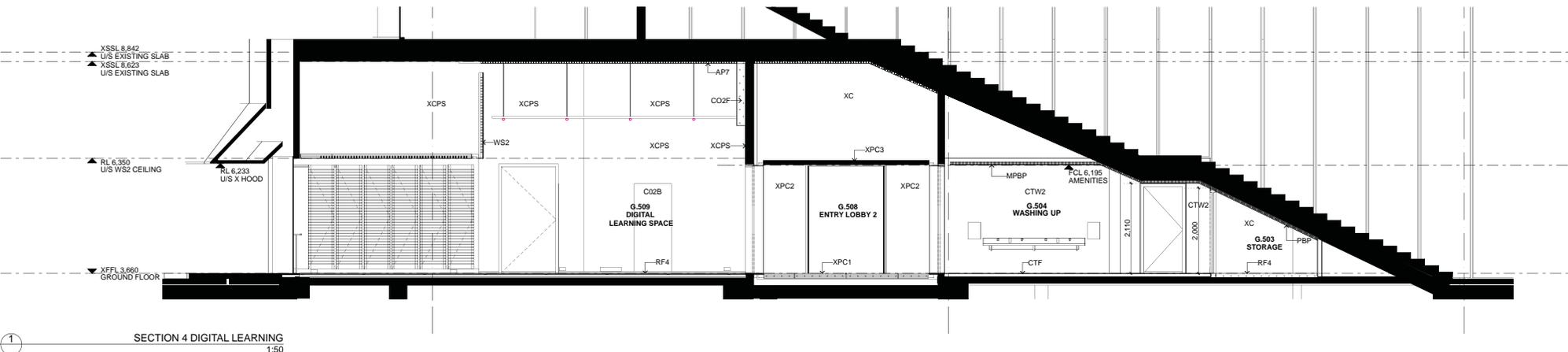
PROPOSED RCP NOTES:

- 1 **Metal pipe rigging**
Fixed 48mm dia pipe rigging set in a 1500x1500mm grid at 4200AFFL
- 2 **Concrete Jacket**
Concrete wall jacketing to existing wall where new wall openings required
- 3 **Movable Felt Panels (CUR2)**
Fully retractable Acoustic dividing felt panels on concealed ceiling track.
- 4 **Green Screen**
Proposed location for green screen.
- 5 **Wobbly ceiling (WS2)**
Repurposed wobbly panels used in lowered ceiling
- 6 **SMC ceiling and lightbox**
New 'lightbox' ceiling comprised of a stretched membrane ceiling with RGBW linear led lights behind programmed to light up and colour Entry Lobby 1

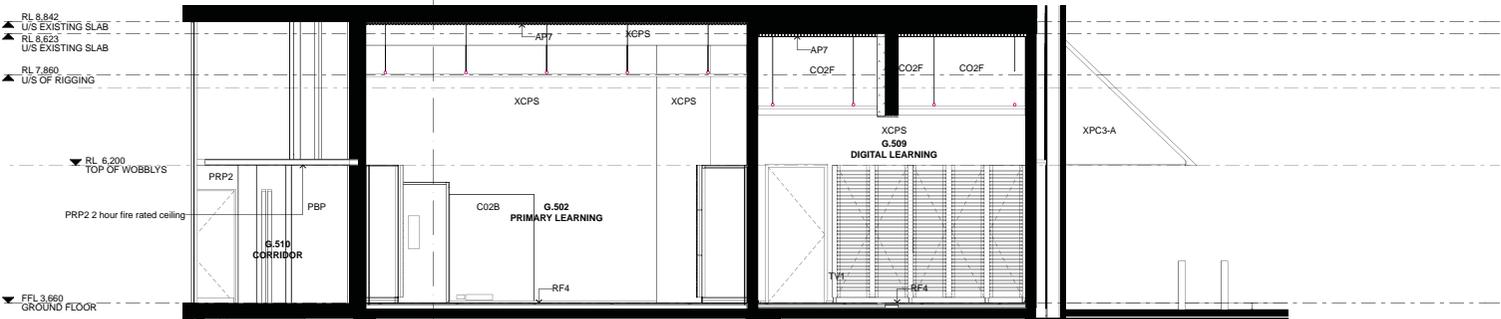
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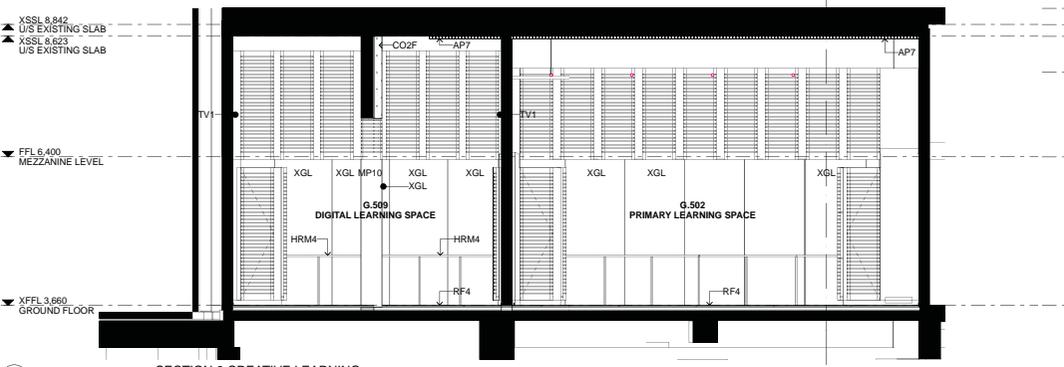
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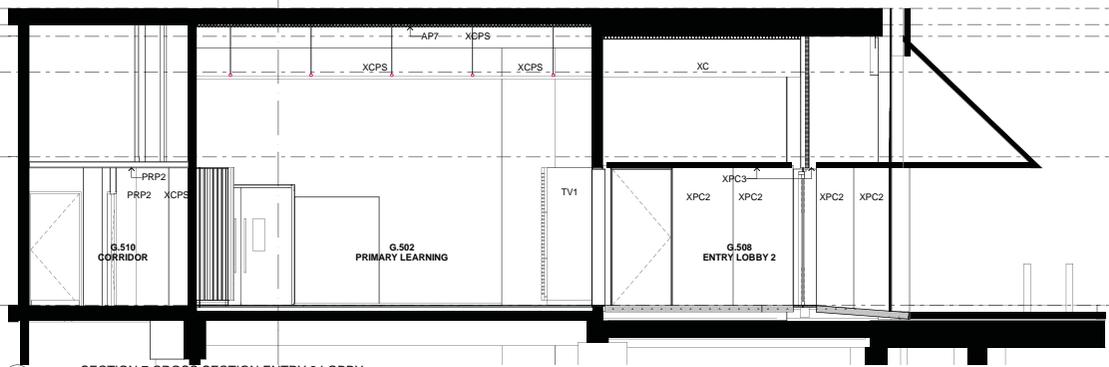
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SECTION 5 CREATIVE LEARNING
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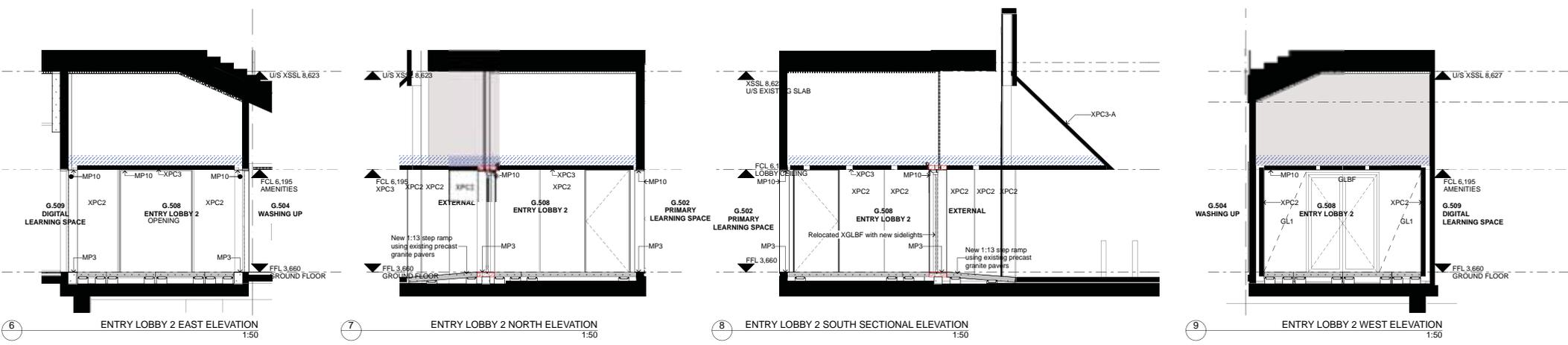
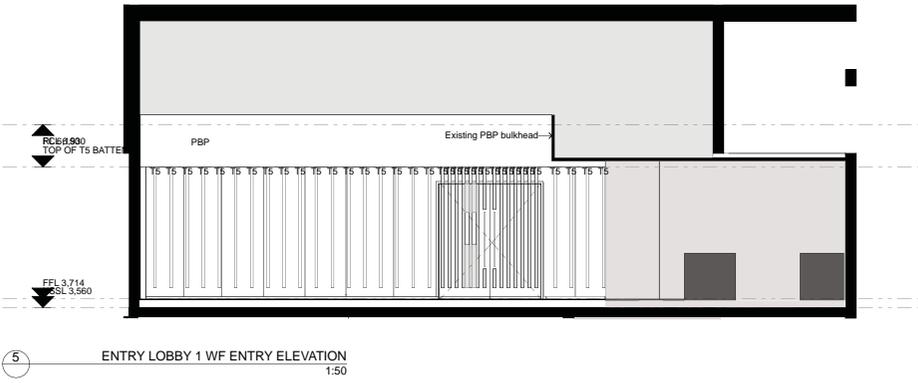
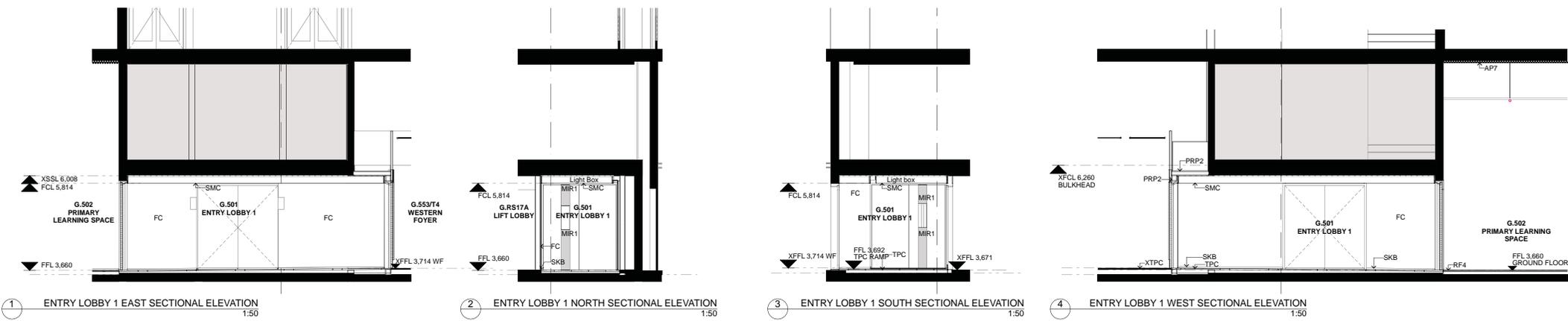


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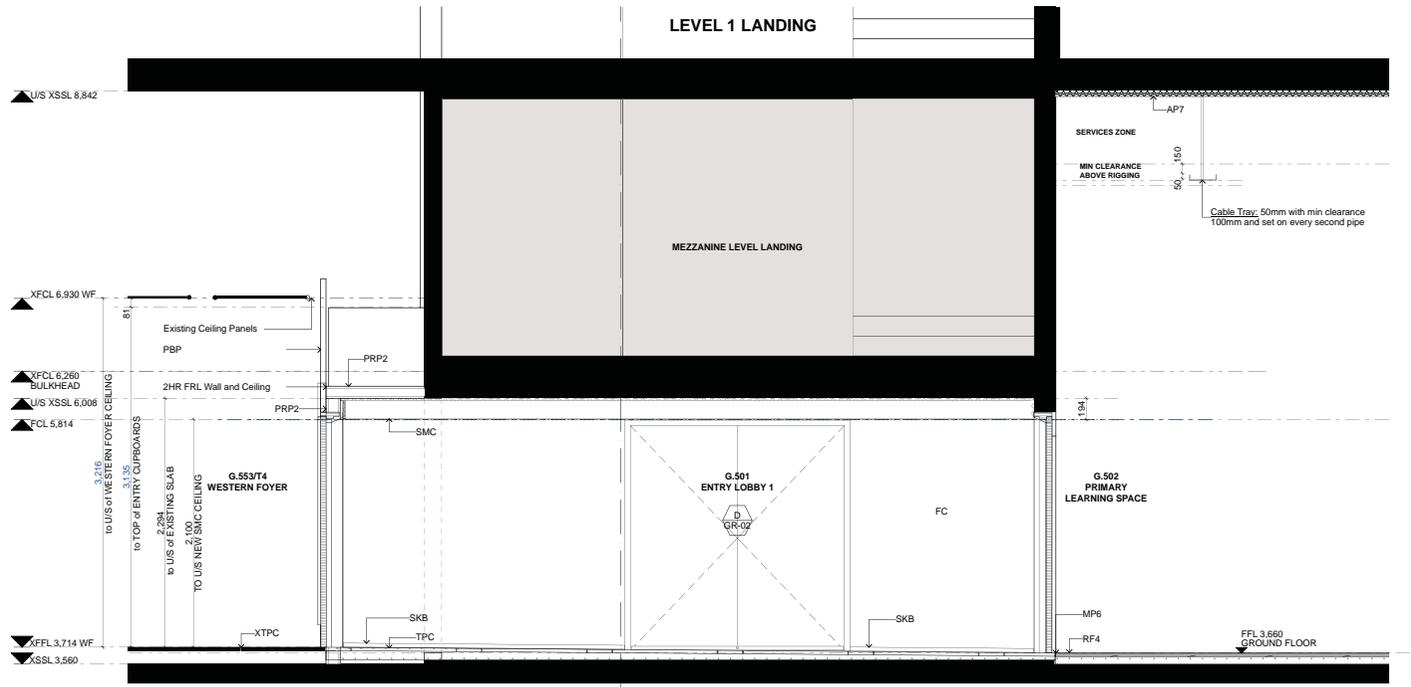


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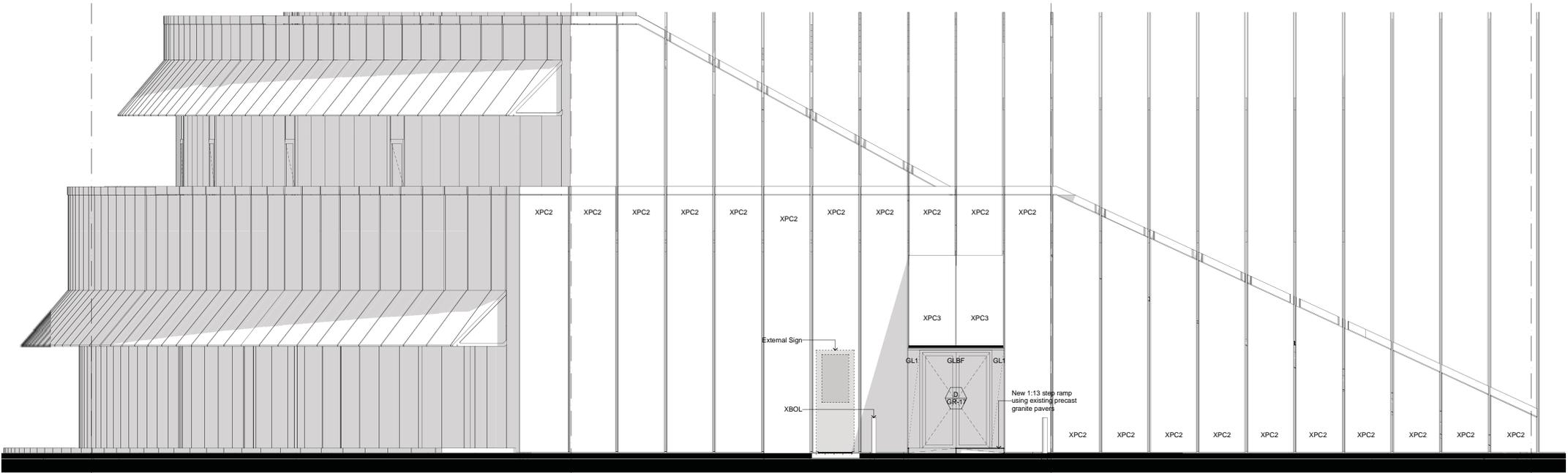


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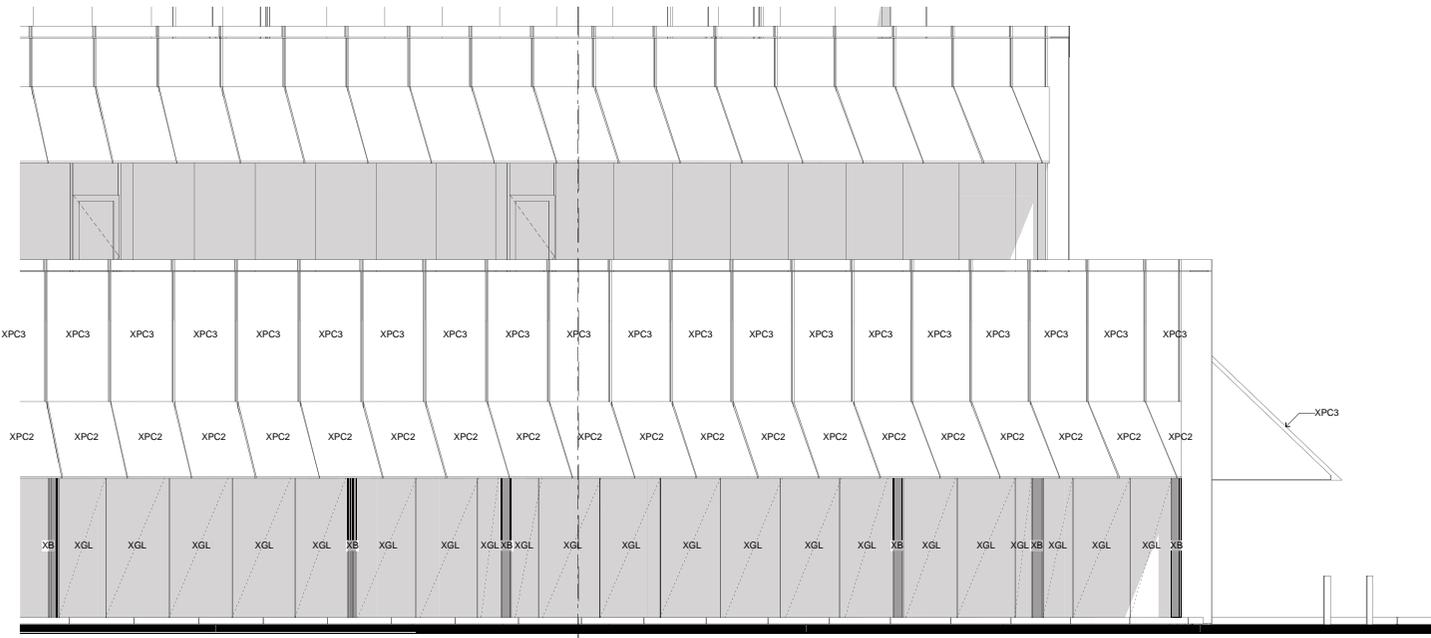


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DETAIL SECTION - ENTRY LOBBY 1
1:25

DATE 09.08.2016 17.11.2017	REV A B	DESCRIPTION ISSUED FOR DA ISSUED FOR DA	NOTES: Do not scale off drawings. Use figured dimensions only. Report any discrepancies to the architect. These designs, plans, specifications and the copyright therein are the property of Tonkin Zulaikha Greer Architects Pty Ltd. and must not be reproduced or copied wholly or in part without written permission of Tonkin Zulaikha Greer Architects Pty Ltd.	VERTICAL TRANSPORT CONSULTANT NBY / Brendan Byrne Phone: 0434 540 028 Email: b.yrne@nby.com.au FIRE ENGINEERING Warren Smith Partners / David Both Phone: 0425 256 922 Email: david@warrensmith.com.au KITCHEN CONSULTANT Mack Group / Nisha Ghantwal Phone: 02 9250 0566 Email: hq@mackgroup.com.au	ACOUSTIC ENGINEER Anap / Christopher Sims Phone: +61 2 9220 3462 Email: christopher.sims@anap.com.au HYDRAULIC ENGINEER Warren Smith Partners / Campbell Hazellton Phone: +61 2 9224 8055 Email: campbell@warrensmith.com.au COST PLANNING CONSULTANT Allus Group / Jason Finn Phone: 0411 733449 Email: alex.buchanan@allusgroup.com	AV CONSULTANT Anap / Tom Brackbill Phone: 02 9220 9222 Email: tom.brackbill@anap.com.au MECHANICAL ENGINEER Stevens Varming / Ashleigh Bretherton Phone: 0967 2200 Email: ashleigh.bretherton@stevensvarming.com HERITAGE CONSULTANT Design 5 / Alan Croker Phone: 0416 277892 Email: alan.croker@design5.com.au	SECURITY CONSULTANT Anap / Shane Norton Phone: +61 427 190 238 Email: shane.norton@anap.com.au MECHANICAL ENGINEER Accom / Kheng Ip Phone: 02 9534 0000 Email: jonathan.ondow@accom.com FIRE CONSULTANT Anap / Aidan Morrison Phone: 0402 695506 Email: Aidan.morrison@anap.com	ELECTRICAL ENGINEER Stevens Varming / Ivan Misa Phone: 0967 2200 Email: ivan.misa@stevensvarming.com.au STRUCTURAL ENGINEER AECOM / Jonathan Ondow Phone: 0424 253 227 Email: jonathan.ondow@aecom.com ACCESSIBILITY CONSULTANT iAccess / Richard Seidman Phone: 0408 427968 Email: r.seidman@iaccessconsultants.com	BCAPCA CONSULTANT Giang DUA / Shane Berry Phone: 0448 566606 Email: shaneberry@bcapca.com.au ESD CONSULTANT Gundall / Iris Chan Phone: 0424 758840 Email: lchan@gundall.com	CLIENT: SOH Trust Phone: 0498 390 101 (Matthew Lantimer) Email: mlantimer@sydneyoperahouse.com	PROJECT: Sydney Opera House - Front of House Renewal CREATIVE LEARNING CENTRE PROJECT NO : 15031	ARCHITECT TONKIN ZULAIKHA GREER ARCHITECTS 117 Reservoir Street A/NM: 4660222349 P: (02) 9215 4900 F: (02) 9215 4901 EMAIL: tm@tzg.com.au WEB: www.tzg.com.au	DRAWING TITLE DETAIL SECTION SCALES 1:25 @ A1 PHASE DA	DRAWING NO A-2101	DRAWN BY ER.VVS CHECKED RM.TG DATE November 2017 REV B
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WEST ELEVATION
1:50



NORTH ELEVATION
1:50

DATE 09.08.2016 24.03.2017 17.11.2017	REV A B C	DESCRIPTION ISSUED FOR DA ISSUED FOR DA ISSUED FOR DA	NOTES: Do not scale off drawings. Use figured dimensions only. Report any discrepancies to the architect. These designs, plans, specifications and the copyright therein are the property of Tonkin Zulaikha Greer Architects Pty Ltd, and must not be reproduced or copied wholly or in part without written permission of Tonkin Zulaikha Greer Architects Pty Ltd.	VERTICAL TRANSPORT CONSULTANT NBY / Brenden Byrne Phone: 0434 540 028 Email: b.byrne@nby.com.au FIRE ENGINEERING Warren Smith Partners / David Bolt Phone: 0425 256 922 Email: david@warrensmith.com.au KITCHEN CONSULTANT Mack Group / Nisha Ghantwal Phone: 02 9250 0244 Email: hq@mackgroup.com.au	ACOUSTIC ENGINEER Anup / Christopher Sims Phone: +61 2 9230 3462 Email: simsc@simstrang.com.au HYDRAULIC ENGINEER Warren Smith Partners / Campbell Hazleton Phone: +61 2 9234 8055 Email: campbell@warrensmith.com.au COST PLANNING CONSULTANT Allus Group / Jason Finn Phone: 0411 733469 Email: alex.buchanan@allusgroup.com	AV CONSULTANT Anup / Tom Brackbill Phone: +61 2 9230 3462 Email: tom.brackbill@anup.com.au LIGHTING ARCHITECT Stevens Varming / Ashleigh Bretherton Phone: 0624 233 227 Email: ashleigh.bretherton@stevensvarming.com HERITAGE CONSULTANT Design 5 / Alan Croker Phone: 0416 277862 Email: alan.croker@design5.com.au	SECURITY CONSULTANT Anup / Shane Norton Phone: +61 427 190 238 Email: shane.norton@anup.com MECHANICAL ENGINEER Accom / Kheng Ip Phone: 02 9534 0000 Email: jonathan.ondow@accom.com FIRE CONSULTANT Anup / Alister Morrison Phone: 0402 895506 Email: Alister.morrison@anup.com	ELECTRICAL ENGINEER Stevens Varming / Tom Milla Phone: 0624 233 227 Email: tom.milla@stevensvarming.com STRUCTURAL ENGINEER AECOM / Jonathan Ondow Phone: 0624 233 227 Email: jonathan.ondow@aecom.com ACCESSIBILITY CONSULTANT iAccess / Richard Seidman Phone: 0408 427948 Email: r.seidman@iaccessconsultants.com	BCAPCA CONSULTANT Giang DLA / Shane Berry Phone: 0448 566606 Email: shaneberry@bcapca.com.au ESD CONSULTANT Gundall / Iris Chan Phone: 0424 758840 Email: lchan@gundall.com	CLIENT: SOH Trust Phone: 0498 390 101 (Matthew Lantimer) Email: mlantimer@sydneyoperahouse.com	PROJECT: Sydney Opera House - Front of House Renewal CREATIVE LEARNING CENTRE PROJECT NO : 15031	ARCHITECT TONKIN ZULAIKHA GREER ARCHITECTS 117 Reservoir Street ABN: 4660222349 P: (02) 9215 4900 F: (02) 9215 4901 EMAIL: tm@tzg.com.au WEB: www.tzg.com.au	DRAWING TITLE EXTERNAL ELEVATIONS SCALES 1:50 @ A1 PHASE DA	DRAWING NO A-3001	DRAWN BY ER.VVS CHECKED RM.TG DATE November 2017 REV 1 C
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DATE 09.08.2016 17.11.2017	REV A B	DESCRIPTION ISSUED FOR DA ISSUED FOR DA	NOTES: Do not scale off drawings. Use figured dimensions only. Report any discrepancies to the architect. These designs, plans, specifications and the copyright therein are the property of Tonkin Zulaikha Greer Architects Pty Ltd, and must not be reproduced or copied wholly or in part without written permission of Tonkin Zulaikha Greer Architects Pty Ltd.	VERTICAL TRANSPORT CONSULTANT NBY / Brendan Byrne Phone: 0434 540 028 Email: b.yrne@nby.com.au FIRE ENGINEERING Warren Smith Partners / David Bolt Phone: 0425 256 922 Email: david@warrensmith.com.au KITCHEN CONSULTANT Mack Group / Nisha Ghantani Phone: 02 9550 0266 Email: hq@mackgroup.com.au	ACOUSTIC ENGINEER Anap / Christopher Sims Phone: +61 2 9220 3462 Email: chris@anap.com.au HYDRAULIC ENGINEER Warren Smith Partners / Campbell Hazellton Phone: +61 2 9224 8055 Email: campbell@warrensmith.com.au COST PLANNING CONSULTANT Allus Group / Jason Finn Phone: 0411 233449 Email: alex.buchanan@allusgroup.com	AV CONSULTANT Anap / Tom Brackbill Phone: +61 2 920 9222 Email: tom.brackbill@anap.com LIGHTING ARCHITECT Stevens Varming / Ashleigh Bretherton Phone: +61 2 920 2200 Email: ashleigh.bretherton@stevensvarming.com HERITAGE CONSULTANT Design 5 / Alan Croker Phone: 0414 277892 Email: alan.croker@design5.com.au	SECURITY CONSULTANT Anap / Shane Norton Phone: +61 427 990 238 Email: shane.norton@anap.com MECHANICAL ENGINEER Accom / Kheng Ip Phone: 02 9534 0000 Email: kheng@ipacc.com FIRE CONSULTANT Anap / Alister Morrison Phone: 0403 695595 Email: Alister.morrison@anap.com	ELECTRICAL ENGINEER Stevens Varming / Ivan Mita Phone: +61 2 920 2200 Email: ivan.mita@stevensvarming.com STRUCTURAL ENGINEER AECOM / Jonathan Onslow Phone: 0424 253 257 Email: jonathan.onslow@aecom.com ACCESSIBILITY CONSULTANT iAccess / Richard Seidman Phone: 0408 427968 Email: r.seidman@iaccessconsultants.com	BCAPCA CONSULTANT Group DLA / Shane Berry Phone: 0448 566606 Email: shane@groupdla.com.au ESD CONSULTANT Dundall / Iris Chan Phone: 0424 758840 Email: lchan@dundall.com	CLIENT: SOH Trust Phone: 0498 390 101 (Matthew Lantimer) Email: mlantimer@sydneyoperahouse.com	PROJECT: Sydney Opera House - Front of House Renewal CREATIVE LEARNING CENTRE PROJECT NO : 15031	ARCHITECT TONKIN ZULAIKHA GREER ARCHITECTS 117 Reservoir Street ABN: 46602722349 P: (02) 9215 4900 F: (02) 9215 4901 EMAIL: tm@tzg.com.au WEB: www.tzg.com.au	DRAWING TITLE WESTERN FOYER ENTRY DOORS SCALES PHASE	DRAWING NO DA	DATE November 2017 REV A-9101 REV B	DRAWN BY ER.VVS CHECKED RM.TG
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DATE	REV	DESCRIPTION	NOTES:	VERTICAL TRANSPORT CONSULTANT	ACOUSTIC ENGINEER	AV CONSULTANT	SECURITY CONSULTANT	ELECTRICAL ENGINEER	BCAPCA CONSULTANT	CLIENT	PROJECT :	ARCHITECT	DRAWING TITLE	DRAWN BY	
09.08.2016	A	ISSUED FOR DA	<p>Do not scale off drawings. Use figured dimensions only. Report any discrepancies to the architect. These designs, plans, specifications and the copyright therein are the property of Tonkin Zulaikha Greer Architects Pty Ltd, and must not be reproduced or copied wholly or in part without written permission of Tonkin Zulaikha Greer Architects Pty Ltd.</p>	<p>NTV / Brendan Byrne Phone: 0434 540 028 Email: b.yb@ntv.com.au</p>	<p>Asip / Christopher Sims Phone: +61 2 9220 3462 Email: simsc@simstmp.com</p>	<p>Asip / Shane Neeke Phone: +61 427 190 238 Email: shane.neeke@asip.com</p>	<p>Stevens Varming / Ivan Mita Phone: 02 9220 9222 Email: van.ita@stevensvarming.com</p>	<p>Stevens Varming / Ivan Mita Phone: 02 9220 9222 Email: van.ita@stevensvarming.com</p>	<p>Stevens Varming / Ivan Mita Phone: 02 9220 9222 Email: van.ita@stevensvarming.com</p>	<p>SON Trust Phone: 0498 390 101 (Matthew Lantimer) Email: mlantimer@sydneyoperahouse.com</p>	<p>Sydney Opera House - Front of House Renewal</p>	<p>TONKIN ZULAIKHA GREER ARCHITECTS 117 Reservoir Street ABN: 46602722349 P: (02) 9215 4900 F: (02) 9215 4901 EMAIL: tm@tzig.com.au WEB: www.tzg.com.au</p>	<p>DIGITAL LEARNING SPACE</p>	<p>ER: VJS CHECKED RM, TG</p>	
17.11.2017	B	ISSUED FOR DA		<p>FIRE ENGINEERING Warren Smith Partners / David Both Phone: 0425 256 922 Email: david@warrensmith.com.au</p>	<p>HYDRAULIC ENGINEER Warren Smith Partners / Campbell Hazellton Phone: +61 2 9224 8055 Email: campbell@warrensmith.com.au</p>	<p>LIGHTING ARCHITECT Stevens Varming / Ashleigh Bretherton Phone: 0960 2200 Email: ashleigh@stevensvarming.com</p>	<p>MECHANICAL ENGINEER Accom / Kheng Ip Phone: 02 9534 0000 Email: kheng.ip@accm.com</p>	<p>STRUCTURAL ENGINEER AECOM / Jonathan Onslow Phone: 0824 253 227 Email: jonathan.onslow@aecom.com</p>	<p>ESD CONSULTANT Gundall / Iris Chan Phone: 0424 758840 Email: lchan@gundall.com</p>			<p>CREATIVE LEARNING CENTRE</p>		<p>SCALES @ A1</p>	<p>DATE November 2017</p>
13.12.2017	C	ISSUED FOR DA		<p>KITCHEN CONSULTANT Mack Group / Nisha Ghantwal Phone: 02 9250 0266 Email: nq@mackgroup.com.au</p>	<p>COST PLANNING CONSULTANT Allus Group / Jason Finn Phone: 0412 733469 Email: alex.buchanan@allusgroup.com</p>	<p>HERITAGE CONSULTANT Design 5 / Alan Croker Phone: 0414 277862 Email: alan.croker@design5.com.au</p>	<p>FIRE CONSULTANT Amp / Alister Morrison Phone: 0402 895266 Email: Alister.morrison@amp.com</p>	<p>ACCESSIBILITY CONSULTANT iAccess / Richard Seidman Phone: 0408 427968 Email: r.seidman@iaccessconsultants.com</p>				<p>PROJECT NO : 15031</p>	<p>PHASE DA</p>	<p>DRAWING NO A-9103</p>	<p>REV C</p>



DATE	REV	DESCRIPTION	NOTES:	VERTICAL TRANSPORT CONSULTANT	ACOUSTIC ENGINEER	AV CONSULTANT	SECURITY CONSULTANT	ELECTRICAL ENGINEER	BCAPCA CONSULTANT	CLIENT	PROJECT :	ARCHITECT	DRAWING TITLE	DRAWN BY
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17.11.2017	B	ISSUED FOR DA		<p>FIRE ENGINEERING Warren Smith Partners / David Bolt Phone: 0425 256 922 Email: david@warrensmith.com.au</p>	<p>HYDRAULIC ENGINEER Warren Smith Partners / Campbell Hazellton Phone: +61 2 9224 8055 Email: campbell@warrensmith.com.au</p>	<p>LIGHTING ARCHITECT Stevens Varming / Ashleigh Bretherton Phone: +61 2 9220 3462 Email: ashleigh.bretherton@stevensvarming.com</p>	<p>MECHANICAL ENGINEER Aecom / Kheng Ip Phone: 02 9534 0000 Email: jonathan.ondel@aecom.com</p>	<p>STRUCTURAL ENGINEER AECOM / Jonathan Ondel Phone: 0424 263 227 Email: jonathan.ondel@aecom.com</p>	<p>ESD CONSULTANT Gundall / Iris Chan Phone: 0424 758840 Email: lchan@gundall.com</p>		<p>CREATIVE LEARNING CENTRE</p>	<p>SCALES @ A1</p>	<p>DATE November 2017</p>	
13.12.2017	C	ISSUED FOR DA		<p>KITCHEN CONSULTANT Mack Group / Nisha Ghantani Phone: 02 9550 0266 Email: nq@mackgroup.com.au</p>	<p>COST PLANNING CONSULTANT Allus Group / Jason Finn Phone: 0411 733469 Email: alex.buchanan@allusgroup.com</p>	<p>HERITAGE CONSULTANT Design 5 / Alan Croker Phone: 0414 277892 Email: alan.croker@design5.com.au</p>	<p>FIRE CONSULTANT Arup / Alister Morrison Phone: 0402 895566 Email: Alister.morrison@arup.com</p>	<p>ACCESSIBILITY CONSULTANT Arup / Richard Seidman Phone: 0408 427968 Email: r.seidman@arup.com</p>			<p>PHASE DA</p>	<p>DRAWING NO A-9104</p>	<p>REV C</p>	