

Function
Centre Volume 4

SYDNEY OPERA
HOUSE | FRONT
OF HOUSE

Function Centre

ARCHITECTURAL DRAWING SET	FUNCTION CENTRE	REV
DA ISSUE	03 FEBRUARY 2017	B



Document Information

CLIENT **SYDNEY OPERA HOUSE TRUST**
PROJECT **BUILDING RENEWAL - FRONT OF HOUSE**

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DOCUMENT REVISION AND STATUS					
REV	DATE	NAME	STATUS	CHECKED	APPROVED
A	25.08.2016	DA DRAWING ISSUE - FUNCTION CENTRE	FINAL	RM	TG
B	03.02.2017	DA DRAWING ISSUE - FUNCTION CENTRE	FINAL	RM	TG

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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 artwork panels thread their way along the southern side of the new crescent shaped room, visually softening and acoustically attenuating the room. The artwork will be visible from the Northern Broadwalk and the harbour.

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.



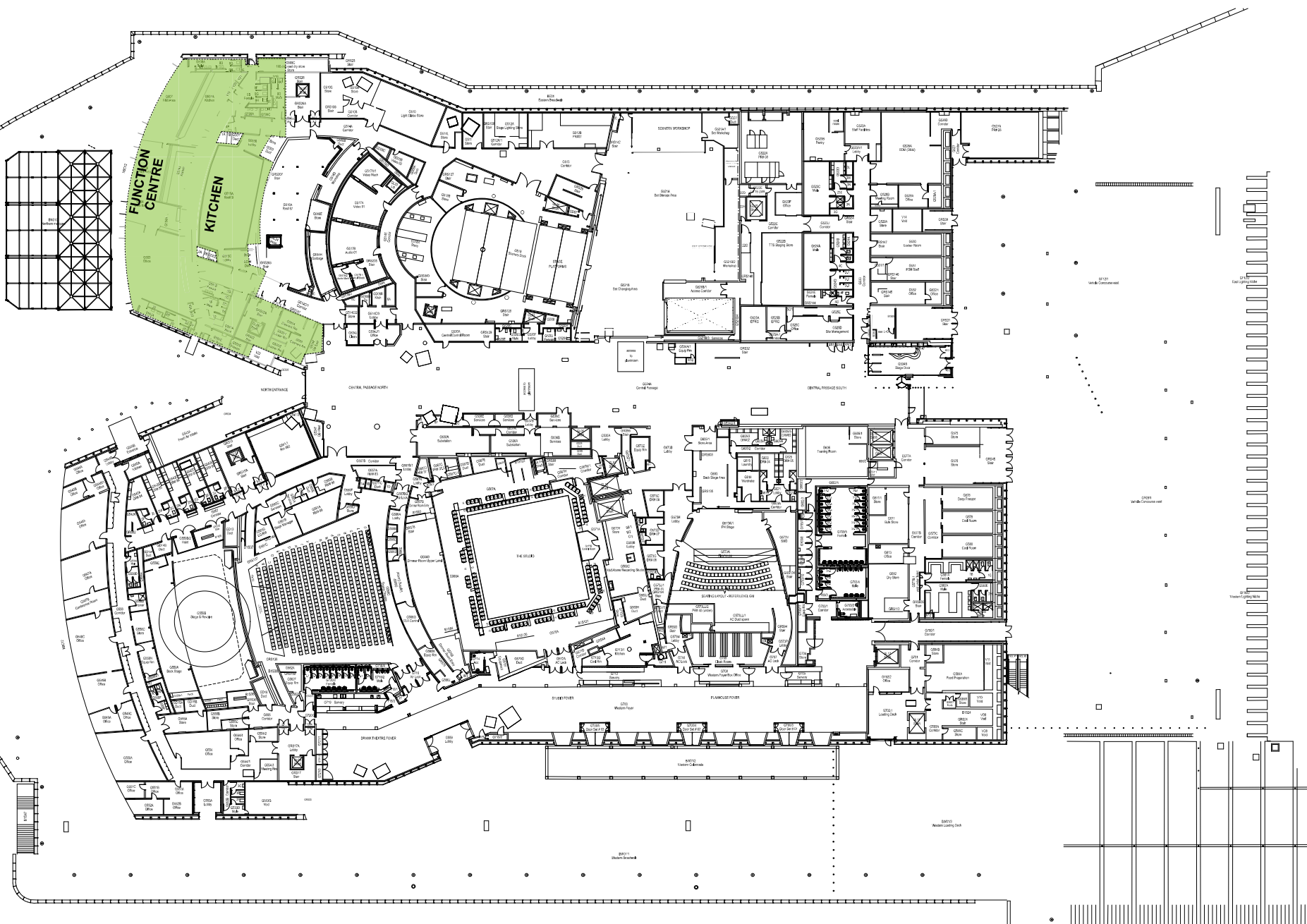


FUNCTION CENTRE

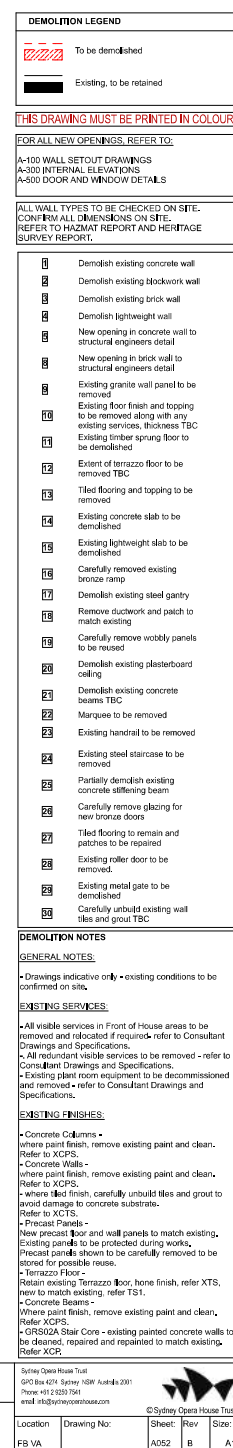
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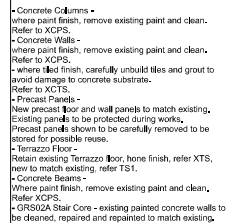
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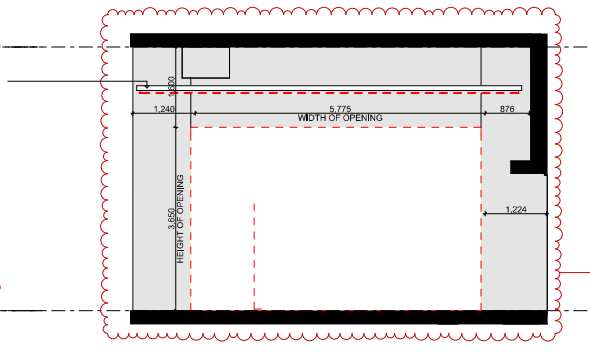
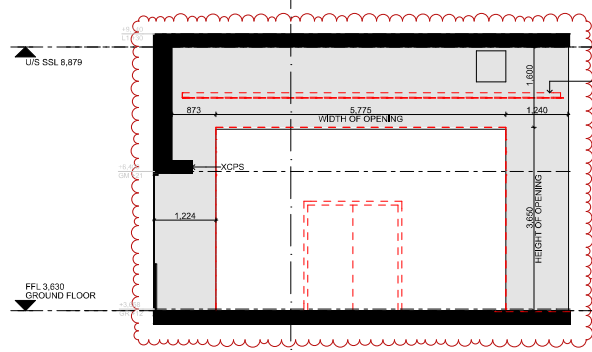
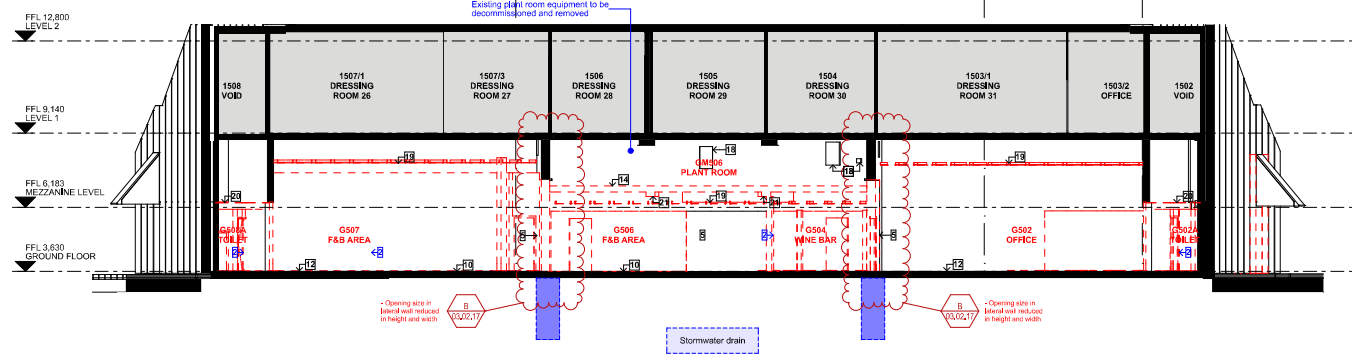
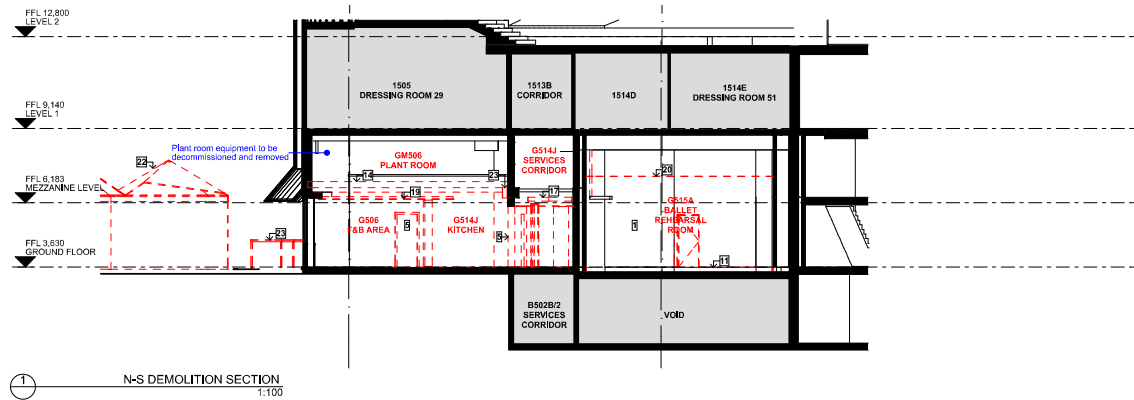
Code	Description	Code	Description	Code	Description	Code	Description
AC	AC-Conditioning	FC	Set Fire Cement 6mm Painted	PC4	45mm Precast Granite Paver on Scribed	UO	Unless Indicated Otherwise
ACC	Accessible	QCA	Fabric Ciel Acoustic Door	PC5	100mm Precast Granite Paver on Scribed	UR	Urinal
ACR1	Acrylic Solid Surface Material, Corian type 1	QCL	Finished Ceiling Level	PCD	precast access door in ex. precast granite wall panel	VJ	Vertical Joists
ACR2	Acrylic Solid Surface Material, Marble Type 2	FD	Fire Detection	PCF	Precastor Finish	VJ	Vertical Lining
ACR3	Acrylic Solid Surface Material, Marble Type 3	FDE	Fire Door External	PF	Paint Finish	VLD	Vertical Lift Sliding and Fold Up Door
ACR4	Acrylic Solid Surface Material, Corian type 4	FDF1	Fire Door Internal - 1hr rated	PFX	Paint Finish (to match existing)	WB1	Wash Basin Type 1(Normal)
ACR5	Acrylic Solid Surface Material, Corian type 5	QDAF1	Fire Door Internal - 1hr rated Acoustic	PJ	Project	WB2	Wash Basin Type 2 Accessible
ACS	Acoustic Seals	QDF2	Fire Door Internal - 2hr rated Acoustic	R.D.	Panel 1 If Fall Up Door	WB3	Wash Basin Type 3 (Through Handwashing Kids)
AJ	Adjustable Shelf	QDMF2	Fire Door Internal - 2hr rated Acoustic	POS	Point of Sale	WB4	Wash Basin Type 4 Accessible Washbasine
AJ1	Adjustable Shelf	QDMF2	Fire Door Internal 2hr rated, Acoustic, Sontiron R31	PP	2 Pack Polyurethane Paint	WC1	Water Closet (Normal)
AJ2	Adjustable Shelf	FE	Fire Extinguisher	PS1	Carousal paint finish	WC2	Water Closet Accessible
AJ3	Adjustable Shelf	FRL	Fire Resistant Level	PTD1	Paper Towel Dispenser	WC8	Wash Basin Type 2 Backrest
AJ4	Adjustable Shelf	FGD1	Frameless Glass Door	PTD2	Paper Towel Dispenser	WC3	Water Closet Ambulant
AJ5	Adjustable Shelf	FGD2	Frameless Glass Door BRZ rails	PTD3	Paper Towel Dispenser	WES	Weather Seals
AJ6	Adjustable Shelf	FH	Fire Hydrant	PTD4	Paper Towel Dispenser	WF	Water Drinking Fountain
AJ7	Adjustable Shelf	HR	Fire Hose Reel	PUK	PUCK display System	WP1	Wobly Panel, Plain
AJ8	Adjustable Shelf	IM	Floor Mat	RCP	Concret Render Paint Finish	WS1	Wobly Panel, Slatted, Acoustic
AJ9	Adjustable Shelf	FB	Flush Push Buttons	RF1	Resilient Floor Finish, Dance	WS2	Wobly Panel, Slatted, No Insulation
AJ10	Adjustable Shelf	FRL	Fire Resistant Level	RF2	Resilient Floor Finish, Commercial Kitchen	X	Existing
AJ11	Adjustable Shelf	FS	Fire Sprinkler Head	RF3	Resilient Floor Finish, Woven	XAC	Existing AC
AJ12	Adjustable Shelf	FSL	Finished Structural Level	RF4	Resilient Floor Finish, CLC	XAP	Existing Acoustic Ceiling Panel
AJ13	Adjustable Shelf	FW1	Floor Waste, Linear	RF5	Resilient Floor Finish, Uron Bar	XBA	Existing Metal Balustrade
AJ14	Adjustable Shelf	FW2	Floor Waste, Circular SS	RF6	Resilient Floor Finish, Southern Foyer, R10	XBDL	Existing Ballard
AJ15	Adjustable Shelf	FWC1	Fabric Wall Covering, Felt	RF7	Resilient Floor Finish, Southern Foyer, R12	XBRZ	Existing Bronze Element
AJ16	Adjustable Shelf	FWC2	Fabric Wall Covering, Fabric	RF8	Resilient Floor Finish, Southern Foyer, R12	XBRZ	Existing Bronze Element
AJ17	Adjustable Shelf	FWC3	Fabric Wall Covering, Felt	RF9	Resilient Floor Finish, Southern Foyer, R12	XBS	Existing Bench Seat
AJ18	Adjustable Shelf	GC1	Colour Backed Glass, Black	RF10	Resilient Floor Finish, Southern Foyer, R12	XC	Existing Concrete
AJ19	Adjustable Shelf	GC2	Colour Backed Glass, White	RF11	Resilient Floor Finish, Southern Foyer, R12	XCA	Existing Concrete, New Acoustic Treatment
AJ20	Adjustable Shelf	GL1	Glassing, Brown Tint, SOH	RF12	Resilient Floor Finish, Southern Foyer, R12	XCL	Existing Cobblestone Paving
AJ21	Adjustable Shelf	GL2	Glassing, Clear	RF13	Resilient Floor Finish, Southern Foyer, R12	XCP	Existing Concrete, New Paint Finish
AJ22	Adjustable Shelf	GL3	Glassing, Frosted	RF14	Resilient Floor Finish, Southern Foyer, R12	XCP5	Existing Concrete, Paint Stripped
AJ23	Adjustable Shelf	GL4	Glassing, Diamond Guard	RF15	Resilient Floor Finish, Southern Foyer, R12	XCP1	Existing Carpet
AJ24	Adjustable Shelf	GL5	Glassing, Acoustic Window	RF16	Resilient Floor Finish, Southern Foyer, R12	XCS	Existing Concrete, deaired
AJ25	Adjustable Shelf	GL6	Toughened Laminated Glass Colour TBA	RF17	Resilient Floor Finish, Southern Foyer, R12	XCTF	Existing Ceramic Tiles
AJ26	Adjustable Shelf	GLB1	Glassing, Brown Tint, SOH	RF18	Resilient Floor Finish, Southern Foyer, R12	XCTS	Existing Concrete, Tiles Carefully Unbuilt
AJ27	Adjustable Shelf	GLB2	Glassing, Brown Tint, SOH	RF19	Resilient Floor Finish, Southern Foyer, R12	XD	Existing Door To Remain
AJ28	Adjustable Shelf	GLB3	Glassing, Brown Tint, SOH	RF20	Resilient Floor Finish, Southern Foyer, R12	XDB	Existing Distribution Board
AJ29	Adjustable Shelf	GLB4	Glassing, Brown Tint, SOH	RF21	Resilient Floor Finish, Southern Foyer, R12	XDP	Existing Downpipes
AJ30	Adjustable Shelf	GLB5	Glassing, Brown Tint, SOH	RF22	Resilient Floor Finish, Southern Foyer, R12	XDR	Existing Door Salvaged and Reused
AJ31	Adjustable Shelf	GLB6	Glassing, Brown Tint, SOH	RF23	Resilient Floor Finish, Southern Foyer, R12	XEP	Existing Floor
AJ32	Adjustable Shelf	GLB7	Glassing, Brown Tint, SOH	RF24	Resilient Floor Finish, Southern Foyer, R12	XFB	Existing Floor, Electrical-Data
AJ33	Adjustable Shelf	GLB8	Glassing, Brown Tint, SOH	RF25	Resilient Floor Finish, Southern Foyer, R12	XFE	Existing Fire Extinguisher
AJ34	Adjustable Shelf	GLB9	Glassing, Brown Tint, SOH	RF26	Resilient Floor Finish, Southern Foyer, R12	XFH	Existing Fire Hydrant
AJ35	Adjustable Shelf	GLB10	Glassing, Brown Tint, SOH	RF27	Resilient Floor Finish, Southern Foyer, R12	XHR	Existing Fire Hose Reel
AJ36	Adjustable Shelf	GLB11	Glassing, Brown Tint, SOH	RF28	Resilient Floor Finish, Southern Foyer, R12	XGL1	Existing Glazing, Brown Tint
AJ37	Adjustable Shelf	GLB12	Glassing, Brown Tint, SOH	RF29	Resilient Floor Finish, Southern Foyer, R12	XGL2	Existing Glazing, Clear
AJ38	Adjustable Shelf	GLB13	Glassing, Brown Tint, SOH	RF30	Resilient Floor Finish, Southern Foyer, R12	XGL3	Existing Glazing, Frosted
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AJ42	Adjustable Shelf	GLB17	Glassing, Brown Tint, SOH	RF34	Resilient Floor Finish, Southern Foyer, R12	XMD	Existing Mechanical Ducts
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AJ119	Adjustable Shelf	GLB94	Glassing, Brown Tint, SOH	RF111	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ120	Adjustable Shelf	GLB95	Glassing, Brown Tint, SOH	RF112	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ121	Adjustable Shelf	GLB96	Glassing, Brown Tint, SOH	RF113	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ122	Adjustable Shelf	GLB97	Glassing, Brown Tint, SOH	RF114	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ123	Adjustable Shelf	GLB98	Glassing, Brown Tint, SOH	RF115	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ124	Adjustable Shelf	GLB99	Glassing, Brown Tint, SOH	RF116	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ125	Adjustable Shelf	GLB100	Glassing, Brown Tint, SOH	RF117	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ126	Adjustable Shelf	GLB101	Glassing, Brown Tint, SOH	RF118	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ127	Adjustable Shelf	GLB102	Glassing, Brown Tint, SOH	RF119	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ128	Adjustable Shelf	GLB103	Glassing, Brown Tint, SOH	RF120	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ129	Adjustable Shelf	GLB104	Glassing, Brown Tint, SOH	RF121	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ130	Adjustable Shelf	GLB105	Glassing, Brown Tint, SOH	RF122	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ131	Adjustable Shelf	GLB106	Glassing, Brown Tint, SOH	RF123	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ132	Adjustable Shelf	GLB107	Glassing, Brown Tint, SOH	RF124	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ133	Adjustable Shelf	GLB108	Glassing, Brown Tint, SOH	RF125	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ134	Adjustable Shelf	GLB109	Glassing, Brown Tint, SOH	RF126	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ135	Adjustable Shelf	GLB110	Glassing, Brown Tint, SOH	RF127	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ136	Adjustable Shelf	GLB111	Glassing, Brown Tint, SOH	RF128	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ137	Adjustable Shelf	GLB112	Glassing, Brown Tint, SOH	RF129	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ138	Adjustable Shelf	GLB113	Glassing, Brown Tint, SOH	RF130	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ139	Adjustable Shelf	GLB114	Glassing, Brown Tint, SOH	RF131	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ140	Adjustable Shelf	GLB115	Glassing, Brown Tint, SOH	RF132	Resilient Floor Finish, Southern Foyer, R12	XMP	Existing Metal Plate
AJ141	Adjustable Shelf	GLB11					

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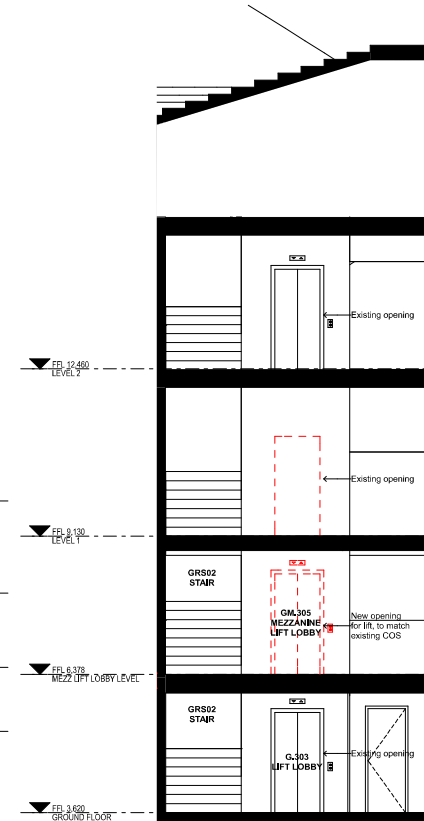
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FUNCTION ROOM LATERAL WALL - DEMOLITION ELEVATION EAST 1:50

FUNCTION ROOM LATERAL WALL - DEMOLITION ELEVATION WEST 1:50



LIFT 08 DEMOLITION SECTION 1:50

DEMOLITION LEGEND	
	To be demolished
	Existing, to be retained

THIS DRAWING MUST BE PRINTED IN COLOUR

FOR ALL NEW OPENINGS, REFER TO:
A-100 WALL SETOUT DRAWINGS
A-300 INTERNAL ELEVATIONS
A-500 DOOR AND WINDOW DETAILS

ALL WALL TYPES TO BE CHECKED ON SITE.
CONFIRM ALL DIMENSIONS ON SITE.
REFER TO HAZMAT REPORT AND HERITAGE SURVEY REPORT.

- 1 Demolish existing concrete wall
- 2 Demolish existing blockwork wall
- 3 Demolish existing brick wall
- 4 Demolish lightweight wall
- 5 New opening in concrete wall to structural engineers detail
- 6 New opening in brick wall to structural engineers detail
- 7 Existing granite wall panel to be removed
- 8 Existing floor finish and topping to be removed along with any existing services, thickness TBC
- 9 Existing timber sprung floor to be demolished
- 10 Extent of terrazzo floor to be removed TBC
- 11 Existing concrete slab to be demolished
- 12 Existing lightweight slab to be demolished
- 13 Carefully remove existing bronze ramp
- 14 Demolish existing steel gantry
- 15 Remove ductwork and patch to match existing
- 16 Carefully remove wobbly panels to be re-used
- 17 Demolish existing plasterboard ceiling
- 18 Demolish existing concrete beams TBC
- 19 Marquee to be removed
- 20 Existing handrail to be removed
- 21 Existing steel staircase to be removed
- 22 Partially demolish existing concrete stiffening beam
- 23 Carefully remove glazing for new bronze doors
- 24 Tiled flooring to remain and patches to be repaired
- 25 Existing roller door to be removed
- 26 Existing metal gate to be demolished
- 27 Carefully unbuild existing wall Uls and grout TBC

DEMOLITION NOTES

GENERAL NOTES:
• Drawings indicative only - existing conditions to be confirmed on site.

EXISTING SERVICES

- All viable services in Front of House areas to be removed and relocated if required - refer to Consultant Drawings and Specifications.
- All redundant viable services to be removed - refer to Consultant Drawings and Specifications.
- Existing plant room equipment to be decommissioned and removed - refer to Consultant Drawings and Specifications.

EXISTING FINISHES

- Concrete Columns - where paint finish, remove existing paint and clean. Refer to XPCS.
- Concrete Walls - where paint finish, remove existing paint and clean. Refer to XPCS.
- where tiled finish, carefully unbuild tiles and grout to avoid damage to concrete substrate. Refer to XCTS.
- Precast Panels - New precast floor and wall panels to match existing. Existing panels to be protected during works. Precast panels shown to be carefully removed to be stored for possible reuse.
- Terrazzo Floor - Retain existing Terrazzo floor, hone finish, refer XTS, new to match existing, refer TS1.
- Concrete Beams - Where paint finish, remove existing paint and clean. Refer XPCS.
- GR502A Stair Core - existing painted concrete walls to be cleaned, repaired and repainted to match existing. Refer XCS.

No.	Description	Qty	Unit	Size	Notes
1	DEMOLITION				1. ALL DIMENSIONS AND SIZES ARE IN MILLIMETRES. 2. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. 3. INFORMATION INDICATED IN THIS DOCUMENT MAY BE CRUCIAL TO THE SAFE AND PROPER FUNCTIONING OF THE SYDNEY OPERA HOUSE. DO NOT ALTER ANY ASPECT WITHOUT WRITTEN PERMISSION. 4. ALL NEW WORKS MUST COMPLY WITH THE SYDNEY OPERA HOUSE BUILDING SERVICES STANDARD SPECIFICATION (BSBS) AND RELEVANT AUSTRALIAN STANDARDS. NEW WORKS MUST ALSO COMPLY WITH THE REQUIREMENTS OF THE BUILDING CODES OF AUSTRALIA.
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