ATTACHMENT E

Additional Drawings/Plans/Renders

Concert Hall “At Rest” Renders

- *Drawing ARM-SK-9226 shows the view from seat position Row N Seat 25 in the Upper Circle.*
- *Drawing ARM-SK-9227 shows the view from seat position Row X Seat 25 in the Stalls.*
- *Drawing ARM-SK-9228 shows the view from Seat 10 in Box A.*
- *Drawing ARM-SK-9229 shows the view from seat position Row C Seat 40 in the Circle.-*

Concert Hall Side Foyer Renders ARM R-05, ARM R-06, ARM R-07, ARM R-08

Concert Hall Passageway Renders

- *Drawing ARM-SK-9230 - PASSAGEWAY AS SUBMITTED LOOKING NORTH*
- *Drawing ARM-SK-9231 - PASSAGEWAY REVISED LOOKING NORTH*
- *Drawing ARM-SK-9232 - PASSAGEWAY REVISED LOOKING SOUTH*
- *Drawing ARM-SK-9233 - PASSAGEWAY REVISED LOOKING NORTH FROM CAVE*
- *Drawing ARM-SK-9234 - PASSAGEWAY AS SUBMITTED DIAGRAMMATIC VIEW*
- *Drawing ARM-SK-9235 - PASSAGEWAY REVISED DIAGRAMMATIC VIEW*
- *Drawing ARM-SK-9236 - PASSAGEWAY COMPARISON DIAGRAMMATIC VIEW*
- *Drawing ARM-SK-9237 - PASSAGEWAY AS SUBMITTED VIEW TO ENTRY - CARPET EXTENT*
- *Drawing ARM-SK-9238 - PASSAGEWAY REVISED VIEW TO ENTRY - CARPET EXTENT*
- *Drawing ARM-SK-9239 - PASSAGEWAY REVISED VIEW WITHIN ENTRY - CARPET EXTENT*

Creative Learning Centre Renders

Creative Learning Centre Drawings

1. *29-BR-AEC07-S010 GROUND FLOOR GENERAL ARRANGEMENT PLAN_01*
2. *29-BR-AEC07-S030 WALL ELEVATIONS - SHEET 1_01*
3. *29-BR-AEC07-S031 WALL ELEVATIONS - SHEET 2_01*
4. *29-BR-AEC07-S035 SECTIONS - SHEET 1_01*
5. *29-BR-AEC07-S036 SECTIONS - SHEET 2_01*

Concert Hall Structural Drawings

6. *29-BR-AR201-ST-0312 PORTAL FRAME GENERAL ARRANGEMENTS AND ELEVATIONS*
7. *29-BR-AR201-ST-0313 PORTAL FRAME DETAILS*
8. *29-BR-AR201-ST-0314 PORTAL FRAME STRENGTHENING DETAILS - SHEET 2*
9. *29-BR-AR201-ST-0315 PORTAL FRAME STRENGTHENING DETAILS - SHEET 3*

10. *29-BR-AR201-ST-0316 PORTAL FRAME - SECTIONS AND DETAILS - SHEET 1*
11. *29-BR-AR201-ST-0317 PORTAL FRAME - SECTIONS AND DETAILS - SHEET 2*
12. *29-BR-AR201-ST-0430 CEILING TRUSS STRENGTHENING - SHEET 1*
13. *29-BR-AR201-ST-0431 CEILING TRUSS STRENGTHENING - SHEET 2*
14. *29-BR-AR201-ST-0432 CEILING TRUSS STRENGTHENING - SHEET 3*
15. *29-BR-AR201-ST-0433 CEILING TRUSS STRENGTHENING - SHEET 4*
16. *29-BR-AR201-ST-0434 CEILING TRUSS STRENGTHENING - SHEET 5*
17. *29-BR-AR201-ST-0435 CEILING TRUSS STRENGTHENING - SHEET 6*
18. *29-BR-AR201-ST-0436 CEILING STRENGTHENING TRUSS TO ARCH - SHEET 1*
19. *29-BR-AR201-ST-0437] CEILING STRENGTHENING TRUSS TO ARCH - SHEET 2*

Concert Hall Architectural Drawings

20. *49-BR-ARM01-A0705 DEMOLITION PLAN - LEVEL 1 +30 (CH)*
21. *49-BR-ARM01-A0706 DEMOLITION PLAN - LEVEL 2 +42 (CH)*
22. *49-BR-ARM01-A0725 DEMOLITION REFLECTED CEILING PLAN - LEVEL 1 +30 (CH)*
23. *49-BR-ARM01-A0726 DEMOLITION REFLECTED CEILING PLAN LEVEL 2 +42 (CH)*
24. *49-BR-ARM01-A0900 DETAIL DEMOLITION SUPERSTRUCTURE PLANS - LIFT 30*
25. *49-BR-ARM01-A0910 DETAIL DEMOLITION PLAN - ANTE ROOM, PROMPT & OPPOSITE PROMPT - LEVEL 2 +42 (CH)*
26. *49-BR-ARM01-A0911 DETAIL DEMOLITION SECTION - ANTE ROOM (CH)*
27. *49-BR-ARM01-A1206 GENERAL ARRANGEMENT - FLOOR PLAN - LEVEL 2 +42*
28. *49-BR-ARM01-A5120 DETAIL PLANS 1 - LIFT 30*
29. *49-BR-ARM01-A5121 DETAIL PLANS 2 - LIFT 30*
30. *49-BR-ARM01-A5126 DETAIL AREA - SECTIONS - LIFT 30*
31. *49-BR-ARM01-A5310 DETAIL PLAN - ORCHESTRA ASSEMBLY ROOM L1-OA-01 - LEVEL 1 +30 (CH)*
32. *49-BR-ARM01-A5311 DETAIL RCP - ORCHESTRA ASSEMBLY ROOM L1-OA-01 - LEVEL 1 +30 (CH)*
33. *49-BR-ARM01-A5312 INTERIOR ELEVATIONS 1 - ORCHESTRA ASSEMBLY ROOM L1-OA-01 - LEVEL 1 +30 (CH)*
34. *49-BR-ARM01-A5313 INTERIOR ELEVATIONS 2 - ORCHESTRA ASSEMBLY ROOM L1-OA-01 - LEVEL 1 +30 (CH)*
35. *49-BR-ARM01-A5321 B1~DETAIL PLAN - ANTE ROOM, PROMPT & OPPOSITE PROMPT - LEVEL 2 +42 Z(CH)*
36. *49-BR-ARM01-A5322 DETAIL RCP - ANTE ROOM, PROMPT & OPPOSITE PROMPT - LEVEL 2 +42 (CH)*
37. *49-BR-ARM01-A5323 INTERIOR ELEVATIONS - ANTE ROOM, PROMPT & OPPOSITE PROMPT - LEVEL 2 +42 (CH)*

Concert Hall Mechanical Services Drawings

38. *57-BR-SV240-M0293 PLANTROOM - L2 +51 SHEET 1*

57-BR-SV240-M0720 DEMOLITION LAYOUT LEVEL L2 +042



ARM ARCHITECTURE

FROM UPPER CIRCLE (ROW N SEAT 25)

CONCERT HALL 'AT REST' IMAGES

ARM-SK-9226 15TH JANUARY 2019

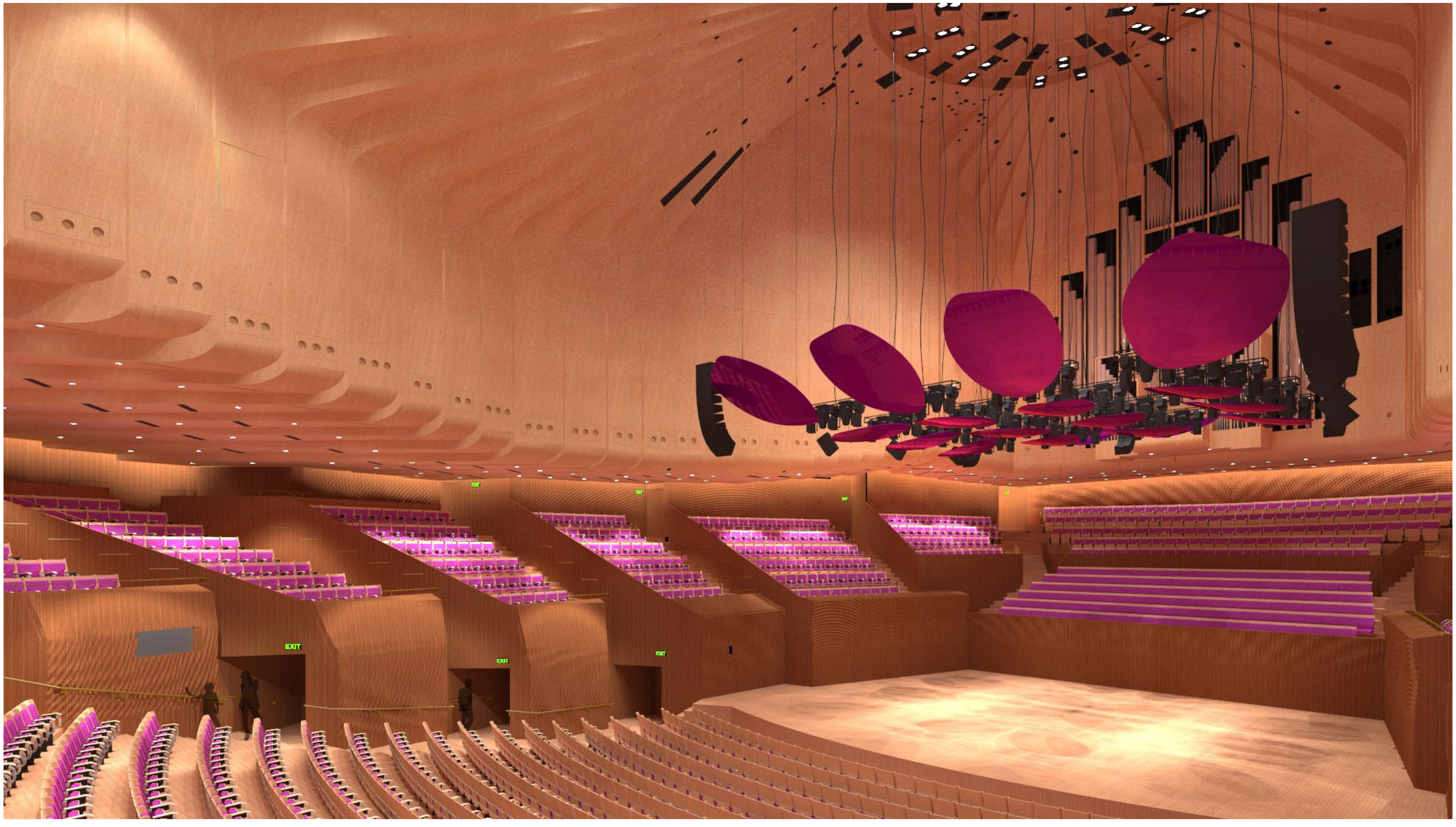


ARM ARCHITECTURE

FROM STALLS (ROW X SEAT 25)

CONCERT HALL 'AT REST' IMAGES

ARM-SK-9227 15TH JANUARY 2019



ARM ARCHITECTURE

FROM BOX A (SEAT 10)

CONCERT HALL 'AT REST' IMAGES

ARM-SK-9228 15TH JANUARY 2019

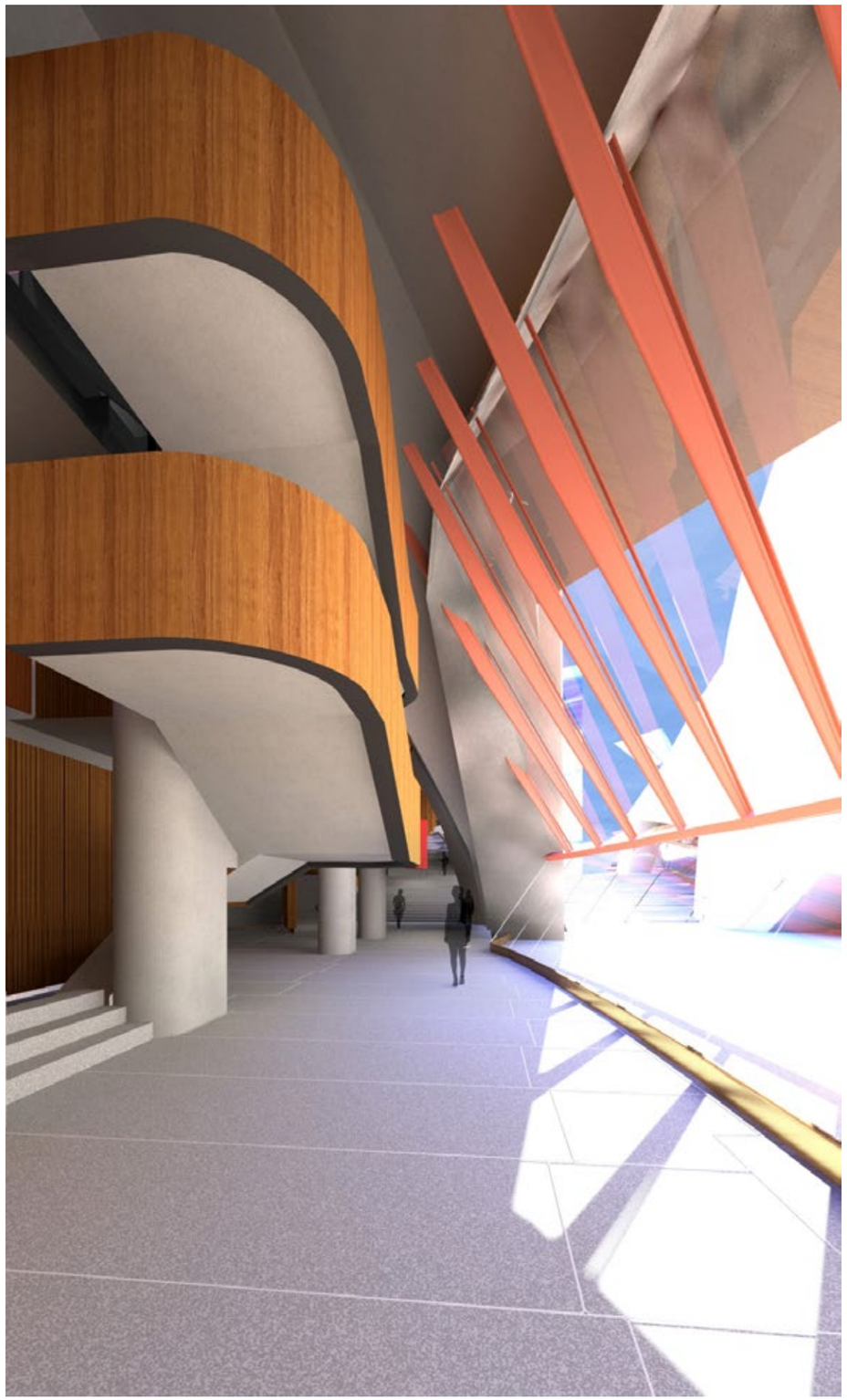


ARM ARCHITECTURE

FROM CIRCLE (ROW C SEAT 40)

CONCERT HALL 'AT REST' IMAGES

ARM-SK-9229 15TH JANUARY 2019



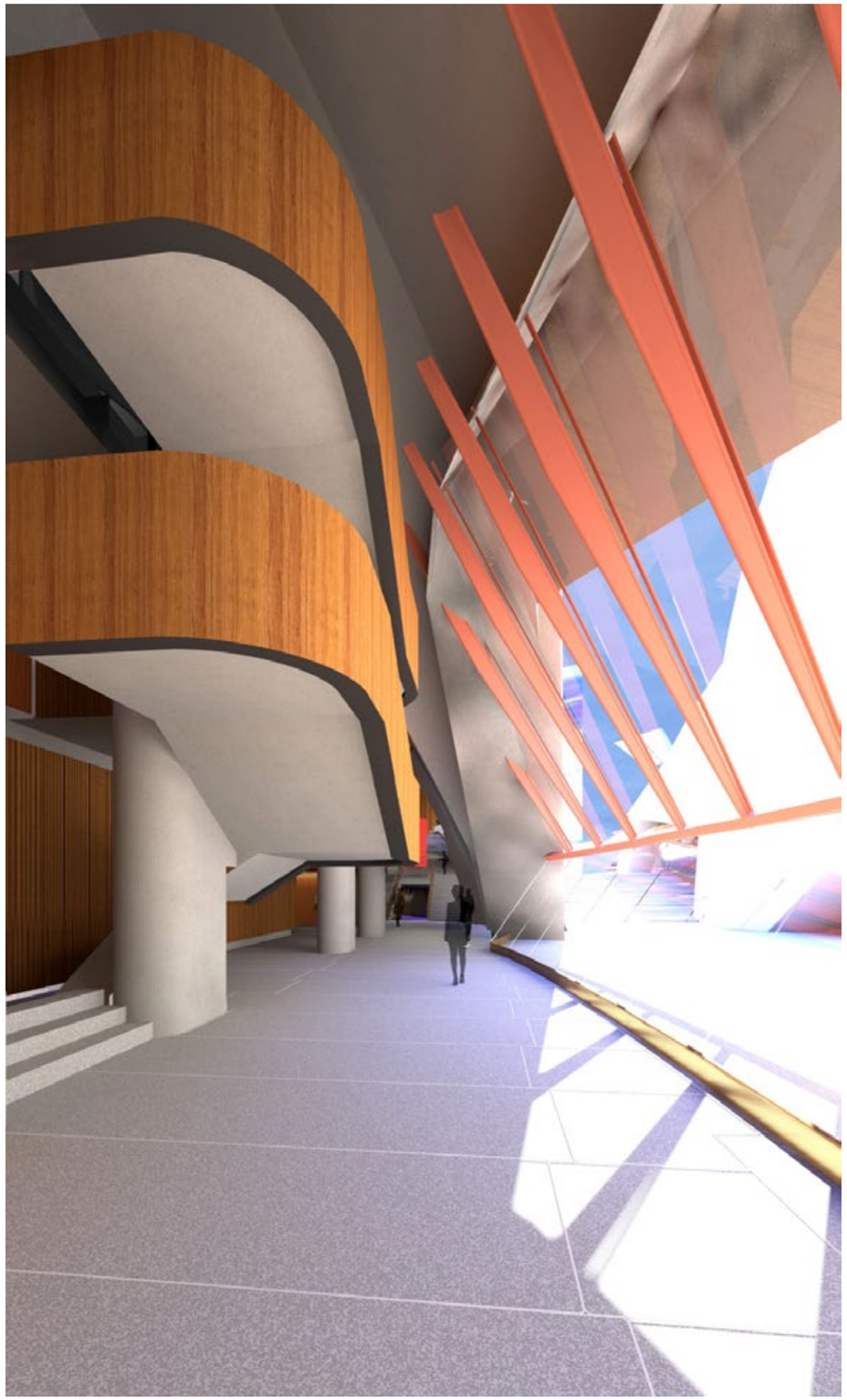
ARM ARCHITECTURE

EAST FOYER - EXISTING

ARM R-05

CONCERT HALL SIDE FOYERS

9TH MAY 2019



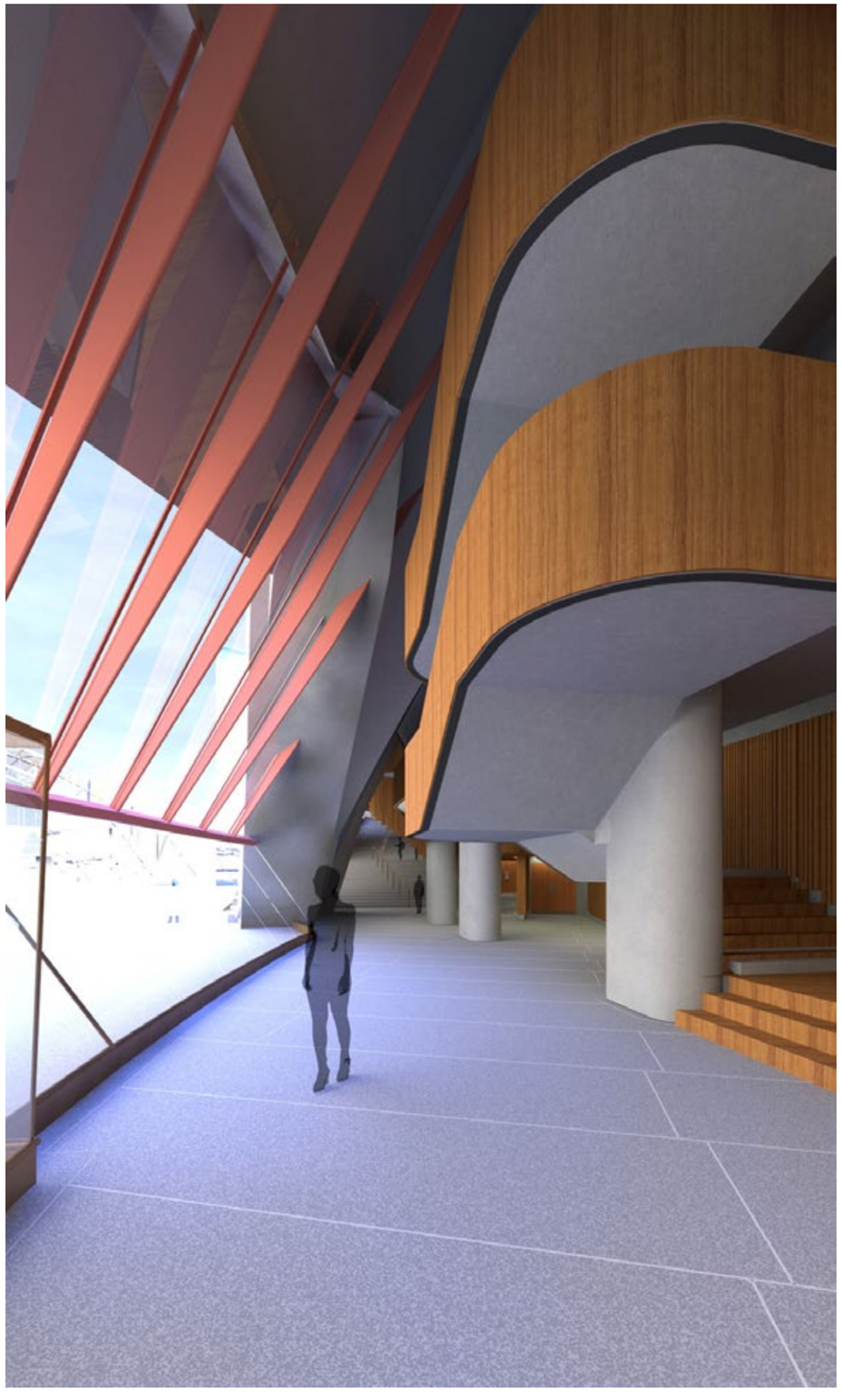
ARCHITECTURE

EAST FOYER - PROPOSED

ARM R-06

CONCERT HALL SIDE FOYERS

9TH MAY 2019



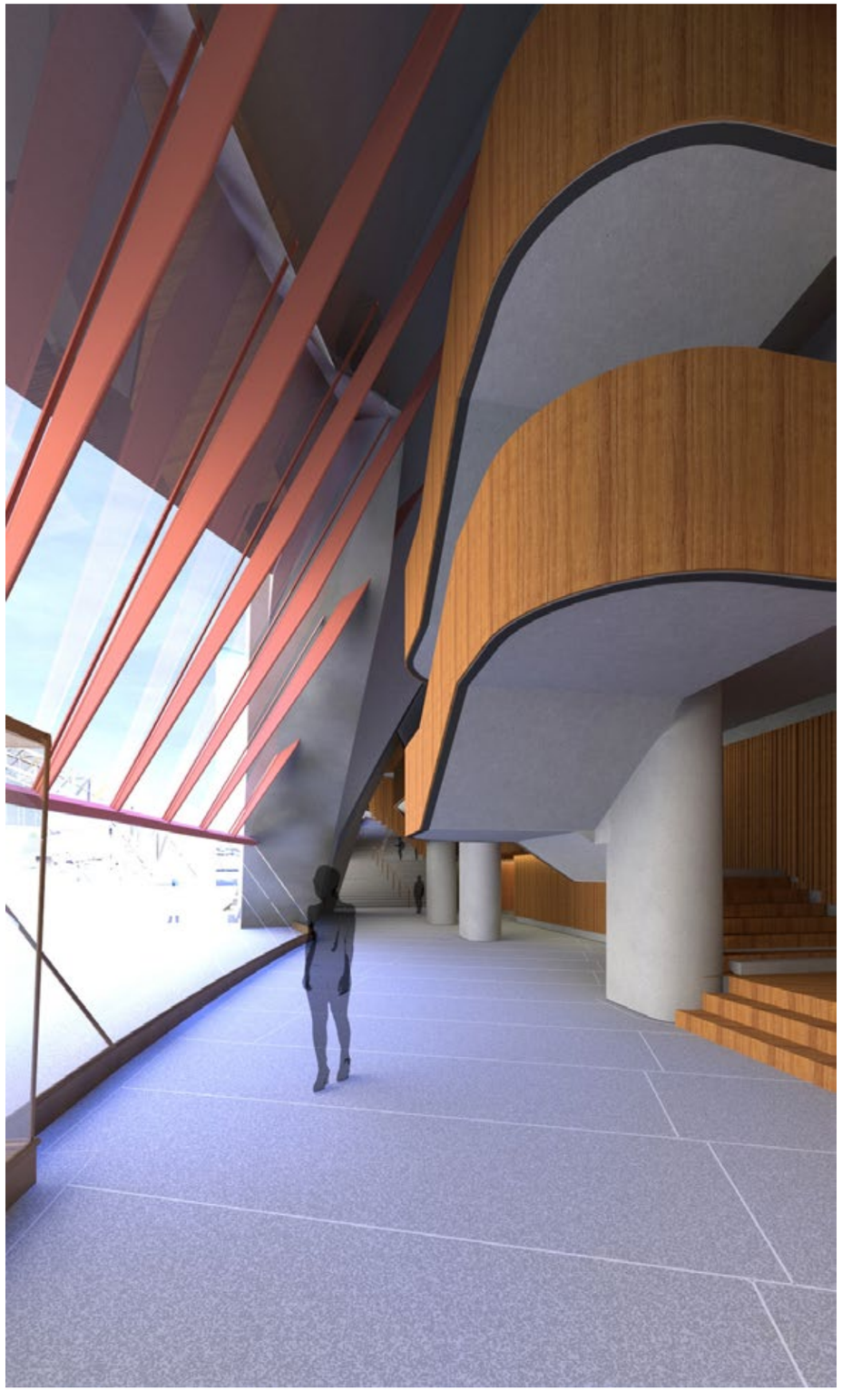
ARM ARCHITECTURE

WEST FOYER - EXISTING

ARM R-07

CONCERT HALL SIDE FOYERS

9TH MAY 2019



ARM ARCHITECTURE

WEST FOYER - PROPOSED

ARM R-08

CONCERT HALL SIDE FOYERS

9TH MAY 2019



ARM ARCHITECTURE

PASSAGEWAY AS SUBMITTED
LOOKING NORTH

CONCERT HALL PASSAGEWAY IMAGES
ARM-SK-9230 ***7TH JUNE 2019***

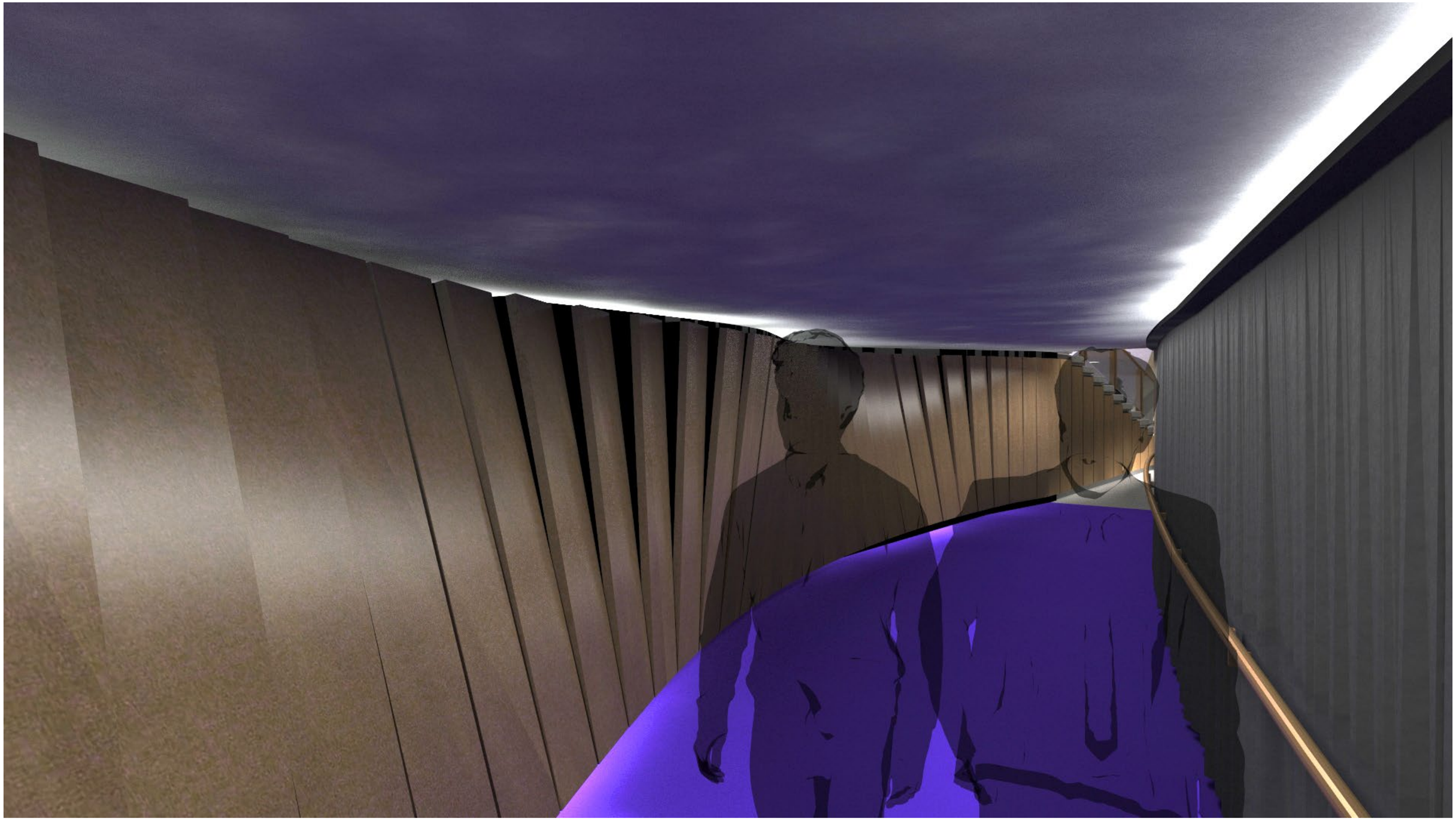


ARM ARCHITECTURE

PASSAGEWAY REVISED
LOOKING NORTH

CONCERT HALL PASSAGEWAY IMAGES

ARM-SK-9231 ***7TH JUNE 2019***

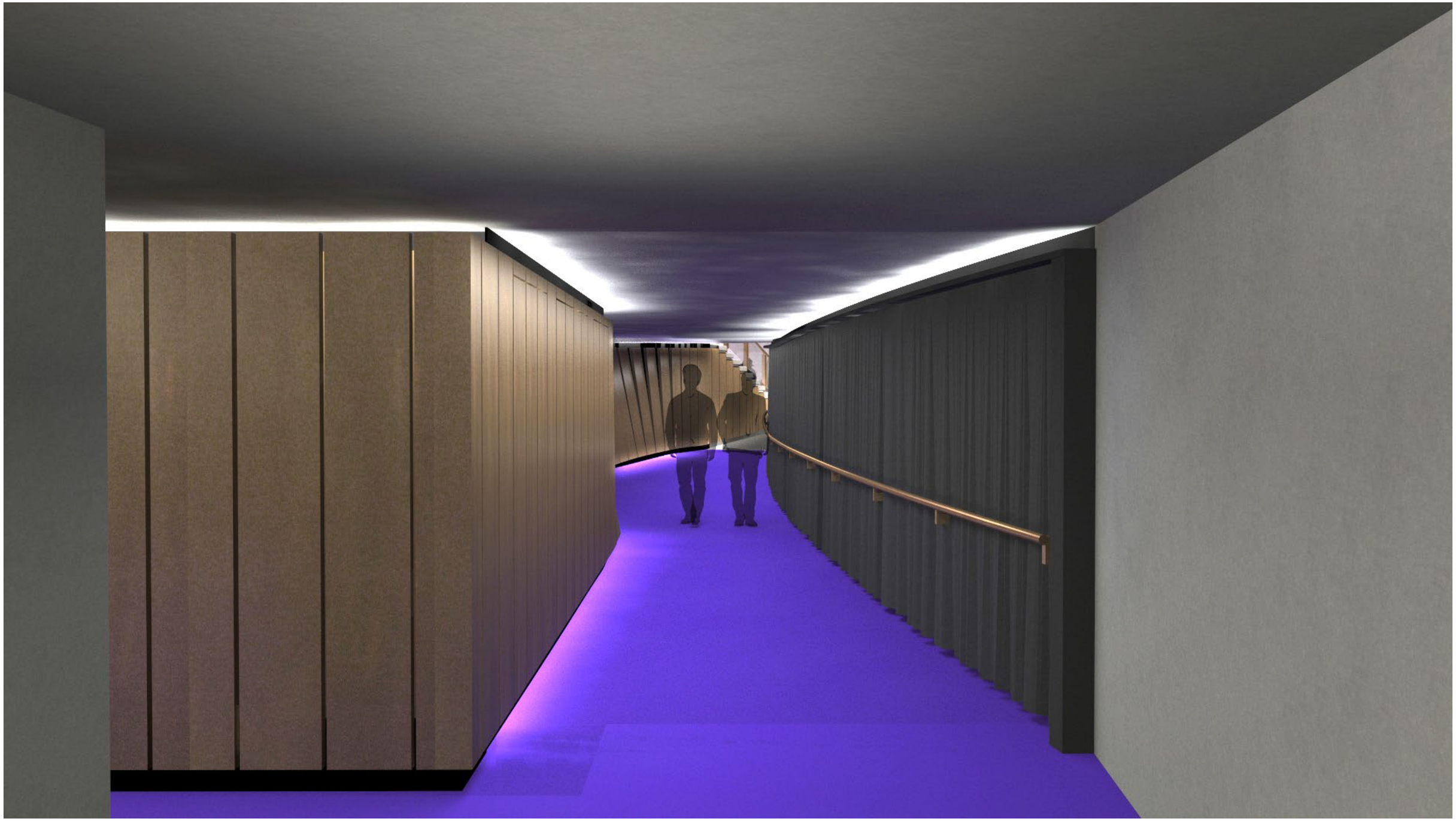


ARM ARCHITECTURE

PASSAGEWAY REVISED
LOOKING SOUTH

CONCERT HALL PASSAGEWAY IMAGES

ARM-SK-9232 ***7TH JUNE 2019***

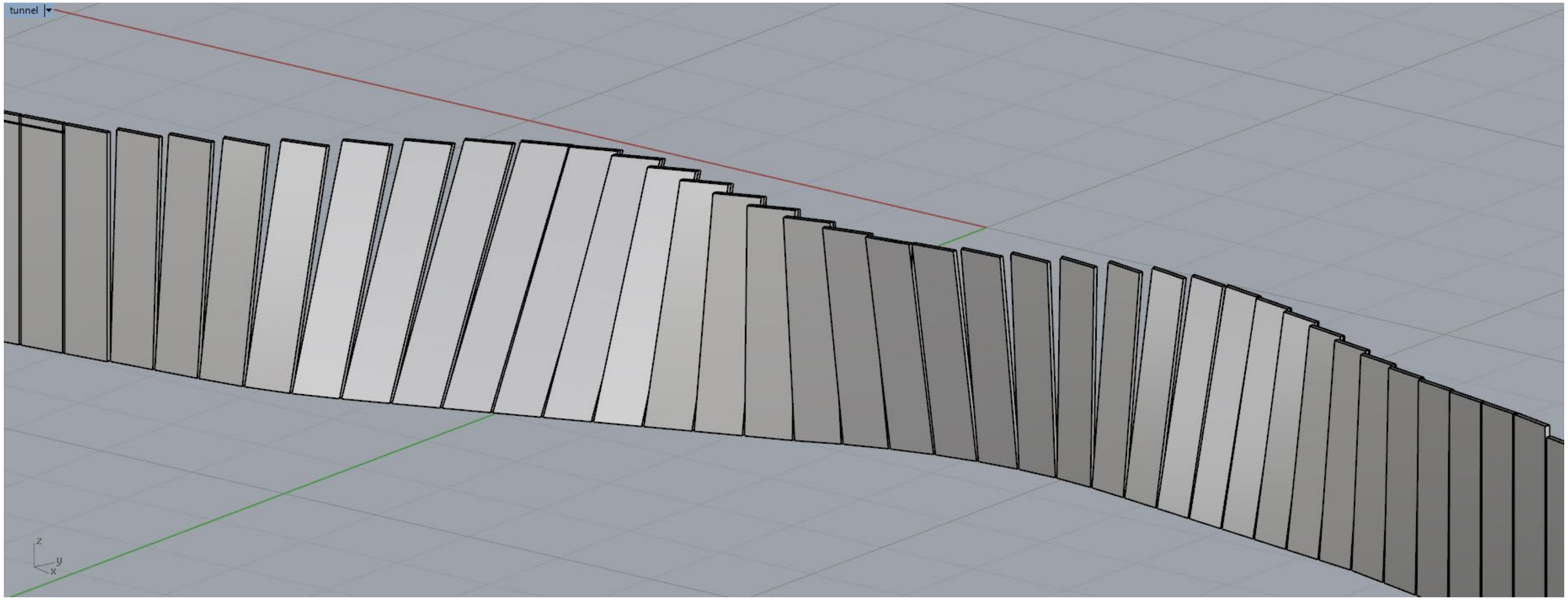


ARM ARCHITECTURE

PASSAGEWAY REVISED
LOOKING NORTH FROM CAVE

CONCERT HALL PASSAGEWAY IMAGES

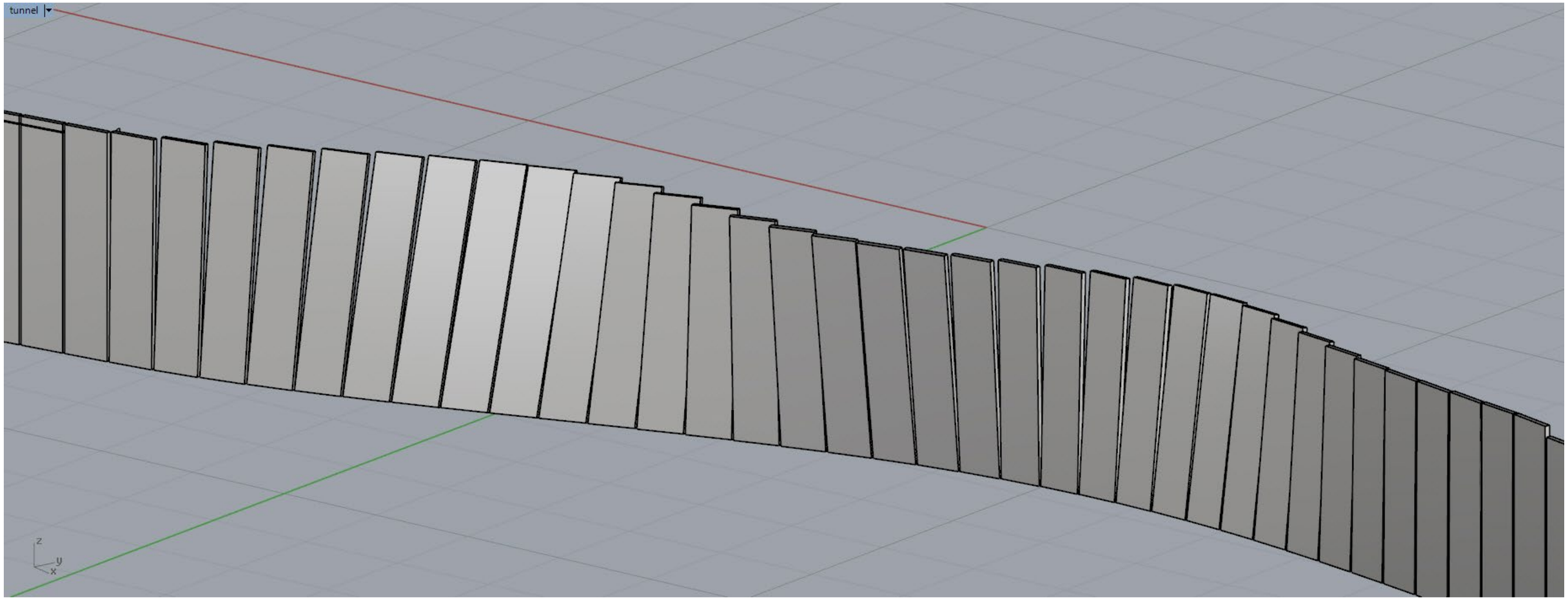
ARM-SK-9233 ***7TH JUNE 2019***



ARCHITECTURE

PASSAGEWAY AS SUBMITTED
DIAGRAMMATIC VIEW

CONCERT HALL PASSAGEWAY IMAGES
ARM-SK-9234 ***7TH JUNE 2019***

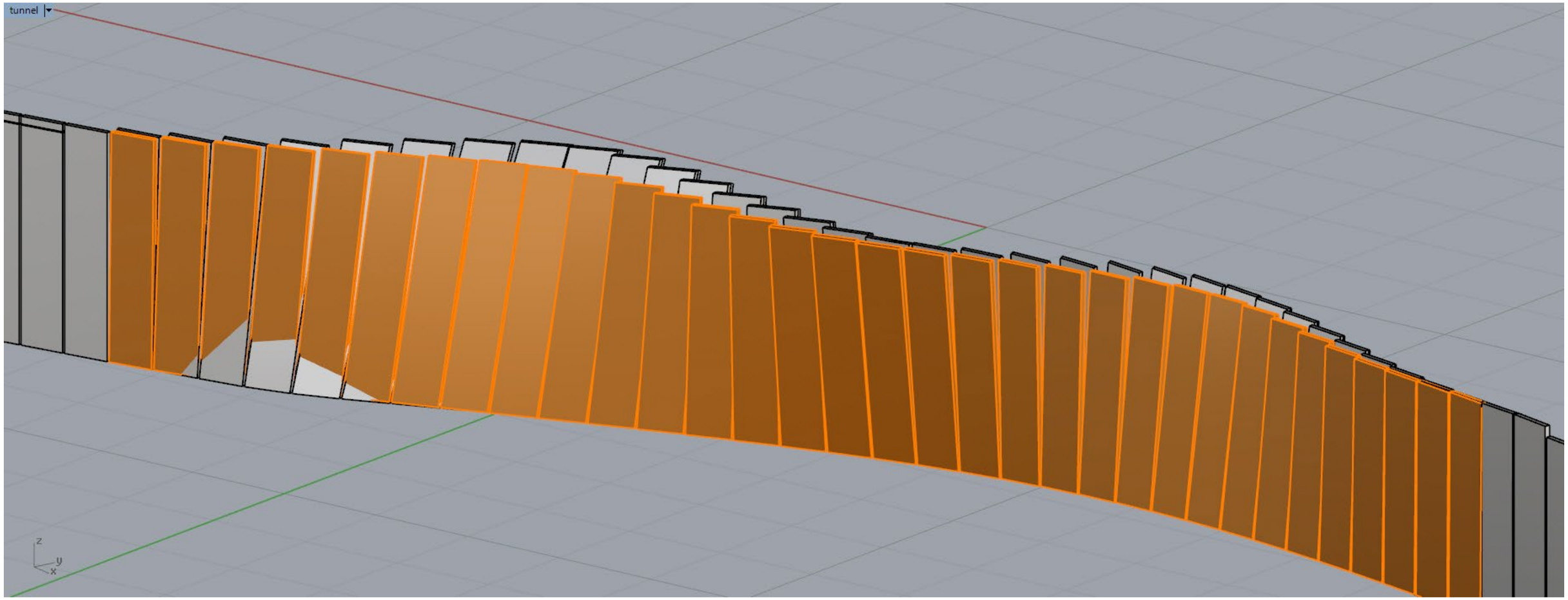


ARCHITECTURE

PASSAGEWAY REVISED DIAGRAMMATIC VIEW

CONCERT HALL PASSAGEWAY IMAGES

ARM-SK-9235 ***7TH JUNE 2019***



ARM ARCHITECTURE

PASSAGEWAY COMPARISON
DIAGRAMMATIC VIEW

CONCERT HALL PASSAGEWAY IMAGES

ARM-SK-9236 ***7TH JUNE 2019***



ARM ARCHITECTURE

PASSAGEWAY AS SUBMITTED
VIEW TO ENTRY - CARPET EXTENT

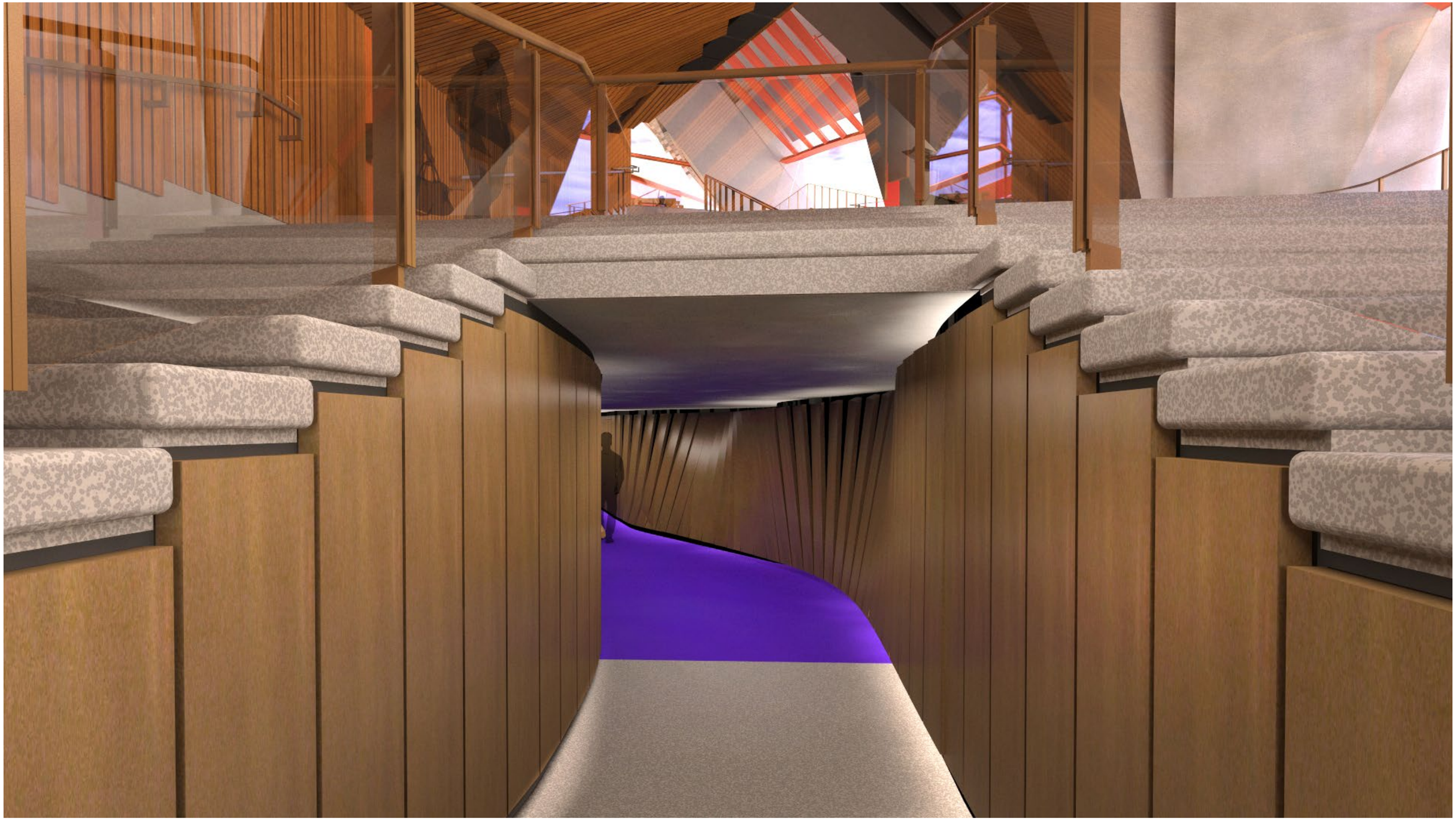
CONCERT HALL PASSAGEWAY IMAGES
ARM-SK-9237 ***7TH JUNE 2019***



ARM ARCHITECTURE

PASSAGEWAY REVISED
VIEW TO ENTRY - CARPET EXTENT

CONCERT HALL PASSAGEWAY IMAGES
ARM-SK-9238 ***7TH JUNE 2019***



ARM ARCHITECTURE

PASSAGEWAY REVISED
VIEW WITHIN ENTRY - CARPET EXTENT

CONCERT HALL PASSAGEWAY IMAGES
ARM-SK-9239 ***7TH JUNE 2019***

SOH CREATIVE LEARNING CENTRE
Heritage Council Responses
6/3/2019

tonkin zulaikha greer

SOH CREATIVE LEARNING CENTRE
Heritage Council Responses
6/3/2019

OPENING CURVED CONCRETE WALL



Extent of opening in curved concrete wall in DA submission



Extent of reduced opening in curved wall in current documentation.



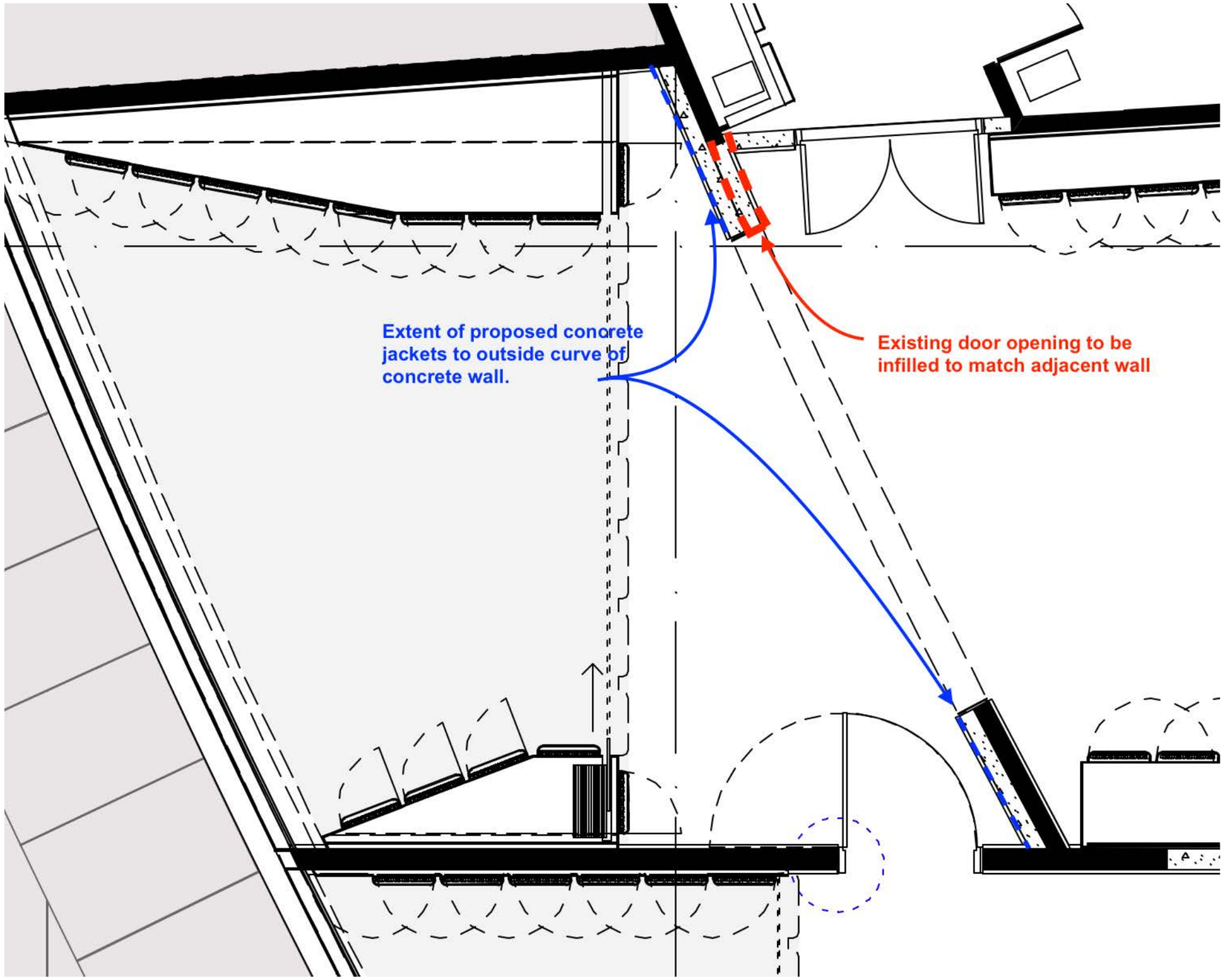
View of existing space with Wobbly Panels in front of existing concrete curved wall.



View of concrete walls with joinery hidden

SOH CREATIVE LEARNING CENTRE
Heritage Council Responses
6/3/2019

OPENING CURVED CONCRETE WALL



Extent of Concrete Jackets either side of opening in curved concrete wall.



Construction Photo: Concrete Jackets Function Centre - Reinforcement



Construction Photo: Concrete Jackets Function Centre

SOH CREATIVE LEARNING CENTRE
Heritage Council Responses
6/3/2019

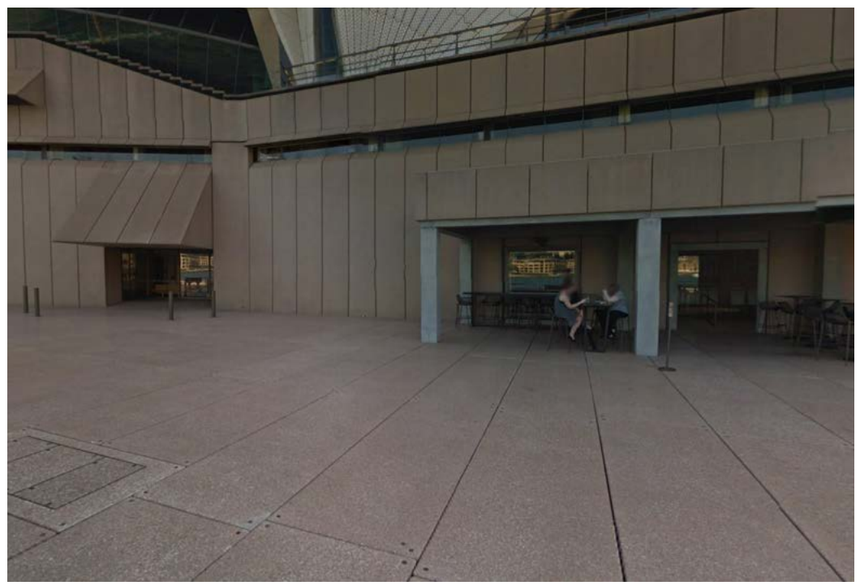
WESTERN ENTRY 2 LOBBY - RELOCATED ENTRY DOORS



EXISTING VIEW 1 -
FROM FERRY TOWARDS OPERA HOUSE



EXISTING VIEW 2 -
WESTERN BROADWALK WESTERN FOYER ENTRY DOORS



EXISTING VIEW 3 -
WESTERN BROADWALK WESTERN FOYER ENTRY DOORS AND COLLONNADE WINDOWS

SOH CREATIVE LEARNING CENTRE
Heritage Council Responses
6/3/2019

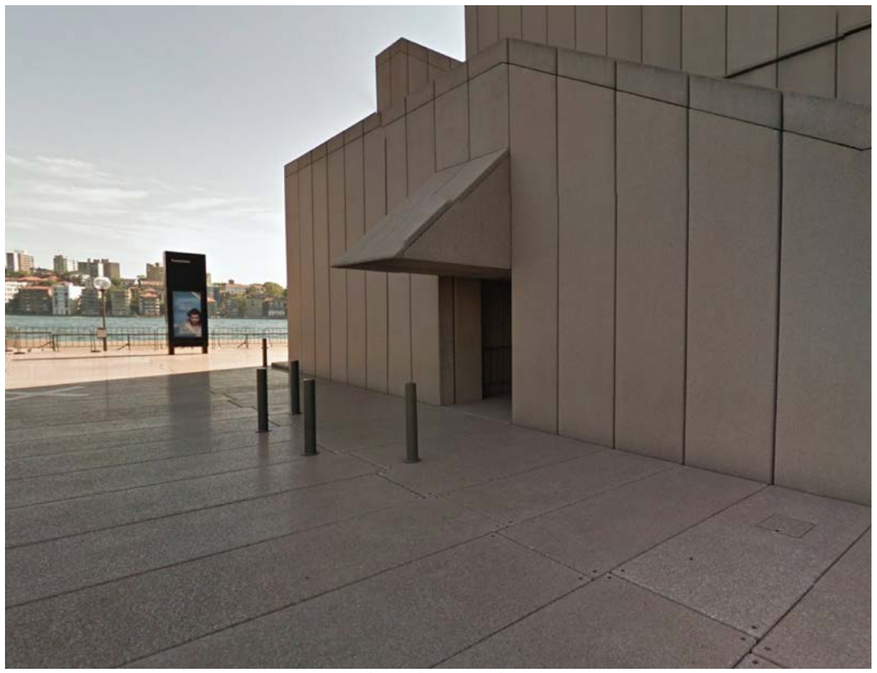
WESTERN ENTRY 2 LOBBY - RELOCATED ENTRY DOORS



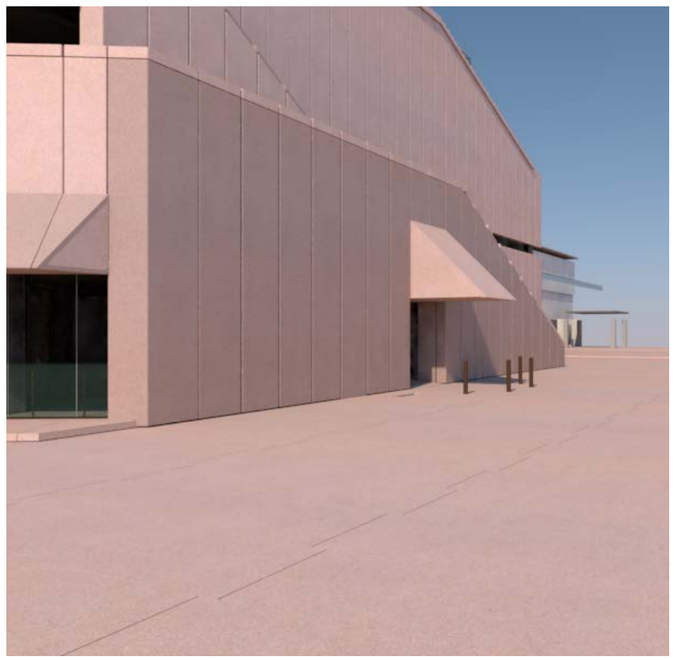
EXISTING VIEW 1 -
WESTERN BROADWALK NORTH



EXISTING VIEW 2 -
WESTERN BROADWALK WEST



EXISTING VIEW 3 -
WESTERN BROADWALK SOUTH



VIEW 1 FROM MODEL - RELOCATED ENTRY DOORS
WESTERN BROADWALK NORTH

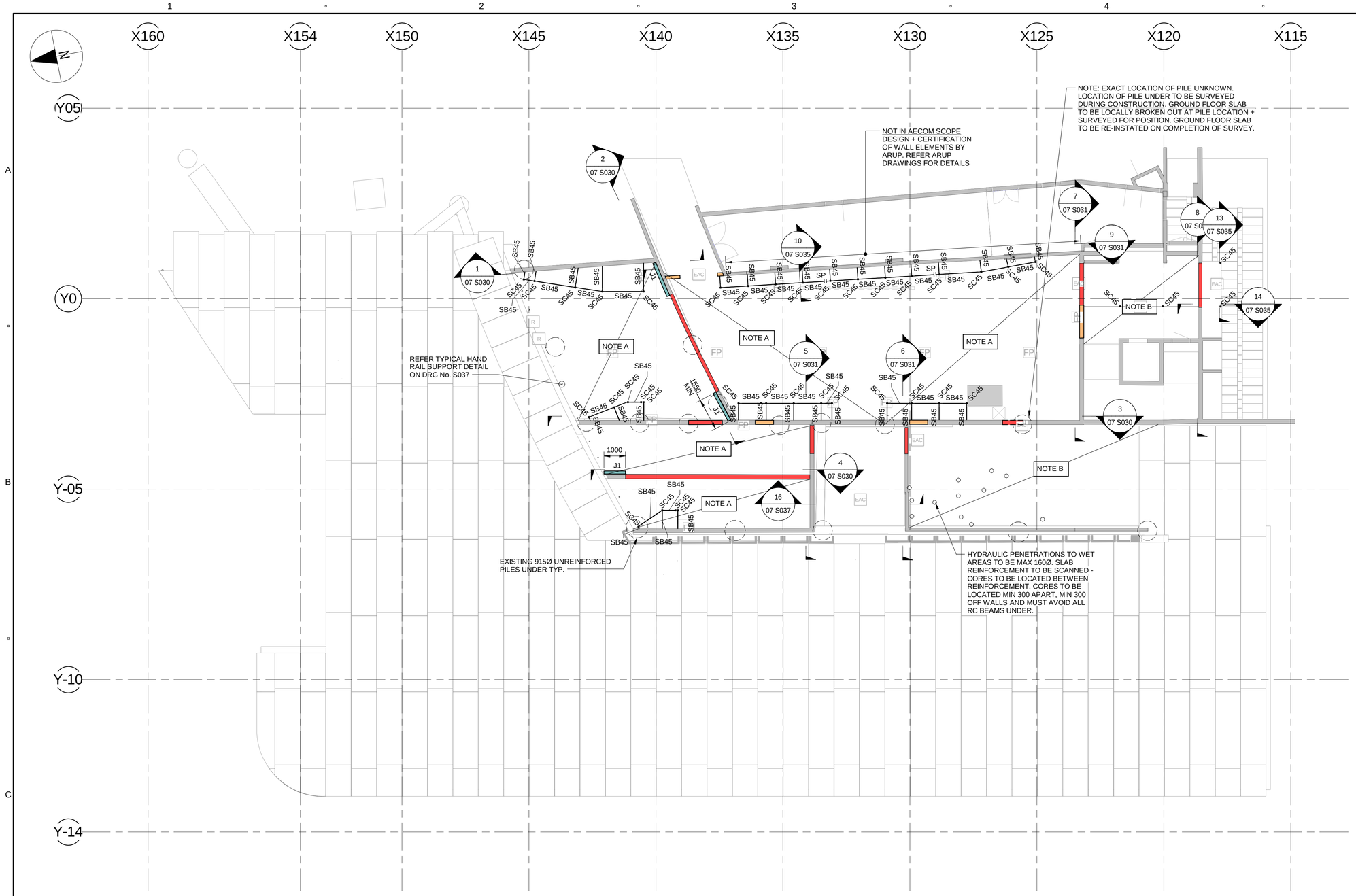


VIEW 2 FROM MODEL - RELOCATED ENTRY DOORS
WESTERN BROADWALK WEST



VIEW 3 FROM MODEL - RELOCATED ENTRY DOORS
WESTERN BROADWALK SOUTH

ISO A1 594mm x 841mm



NOTES:
1. REFER DRAWING No. S001 & S002 FOR STRUCTURAL GENERAL NOTES.
2. PLAN GRID AND R.L. DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE INDICATIVE ONLY AND REFLECT THE SET-OUT INFORMATION USED DURING DESIGN. REFER GENERAL NOTES AND ARCHITECT'S DRAWINGS FOR FINAL SET-OUT.
3. ONLY SURVEYED PILES SHOWN.
4. MINOR COSMETIC HAIRLINE CRACKING IS EXPECTED TO EXISTING RC WALLS (PARTICULARLY TO EXISTING RC WALLS BEHIND JACKETS) DUE TO CHANGING LOAD PATHS. THESE CRACKS ARE EXPECTED TO BE MINOR AND WILL NOT ADVERSELY IMPACT THE STRUCTURAL INTEGRITY OF THE BUILDING.

LEGEND

- DENOTES EXISTING STRUCTURAL WALL TO BE DEMOLISHED.
- DENOTES NEW STRUCTURAL RC WALL JACKET.
- SP — DENOTES SPLICE POINT. SITE WELD 6CFW ALL AROUND
- DENOTES EXISTING WALLS
- DENOTES EXISTING WALL PENETRATION TO BE INFILLED. REFER DETAIL ON DRG No. S035

TYPICAL CLC FLOOR FIXING POINT (FLOOR FERRULE):
M12 RAMSET THREADED INSERT CHEMSET REO. 502 EPOXY. MIN. EMBED INTO RC SLAB = 75mm
MAX TENSION = 8Kn (SWL)
MAX SHEAR = 2Kn (SWL)
REFER ARCHITECT DRAWINGS FOR FERRULE LOCATIONS

NOTE A:
EXISTING SLAB TOPPING TO BE CAREFULLY REMOVED BACK TO STRUCTURAL SLAB LEVEL & REPLACED WITH NEW FINISHES OF MAX WEIGHT 74kg/m². REFER ARCH. DRAWINGS FOR DETAILS OF FINISHES.

NOTE B:
EXISTING SLAB TOPPING TO BE REMOVED AND REPLACED WITH LIGHTWEIGHT SCREED TO FALLS TO ARCHITECTS DETAILS. MAX WEIGHT OF NEW FINISHES 100kg/m².

STRUCTURAL DEMOLITION NOTES
ALL PENETRATIONS TO BE CUT USING DIAMOND BLADE SAW CUTS

ALL EXPOSED REINFORCEMENT TO BE GROUND BACK 20MM AND MADE GOOD USING SIKADUR 31 OR SIMILAR APPROVED EQUIVALENT EPOXY.

NOTE - ALL RC JACKETS AND ASSOCIATED STRENGTHENING PROCEDURES MUST BE INSTALLED AND AT FULL DESIGN STRENGTH PRIOR TO SAW CUTTING OF PENETRATIONS. STRUCTURAL ENGINEER TO INSPECT AND CERTIFY ALL STRENGTHENING WORKS PRIOR TO SAW CUTTING.

NOTES ON TEMPORARY WORKS AND CONSTRUCTION SEQUENCING:
BUILDER TO CONDUCT DETAILED PROPPING DESIGN AND METHODOLOGY FOR AECOM TO REVIEW. TYPICALLY ALL TEMPORARY WORKS BY BUILDER/CONTRACTOR. DURING CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE STRUCTURES AND EXCAVATIONS ARE MAINTAINED IN A SAFE AND STABLE CONDITION AT ALL TIMES AND NO PART IS TO BE OVERSTRESSED. THE CONTRACTOR SHALL DEVELOP WORK METHOD STATEMENTS FOR ALL ERECTION OF STRUCTURAL STEEL/FORMWORK/DEMOLITION/EXCAVATION /TILT PANELS ETC. AND PROVIDE TEMPORARY WORKS SUCH AS BRACING, PROPPING AND SHORING, ETC. TO KEEP THE WORKS AND EXCAVATIONS STABLE AND FREE FROM WATER AT ALL TIMES. THE CONTRACTOR IS TO ENGAGE AN NPER REGISTERED STRUCTURAL ENGINEER TO DESIGN AND CERTIFY THE TEMPORARY WORKS.

NOTES ON EXISTING STRUCTURAL TOPPING TO RC SLABS:
EXISTING ARUP DESIGN DRAWINGS SHOW 51MM TOPPING TO ALL EXISTING SLABS IN THE CLC AREA. EXISTING TOPPING CAN BE SCABBLED BACK TO STRUCTURAL SLAB LEVEL WHERE REQUIRED FOR NEW FINISHES. REFER NOTES A+B ON DRG No. S010

CLC STEEL FRAMING SCHEDULE

MARK	SIZE	COMMENTS
SB45	50x50x5.0 SHS	FULLY WELDED FRAME
SB46	100 PFC	FULLY WELDED FRAME
SB47	100x100x5.0 SHS	

CLC STEEL COLUMN SCHEDULE

MARK	SIZE	COMMENTS
SC45	50x50x5.0 SHS	FULLY WELDED FRAME
SC46	100 PFC	FULLY WELDED FRAME

CLC RC WALL JACKET SCHEDULE

MARK	THICKNESS (mm)	REINFORCEMENT	COMMENTS
J1	150	REFER DETAILS ON DRG No. S035 & S036	RC WALL JACKET
J2	200	REFER DETAILS ON DRG No. S035 & S036	RC WALL JACKET

CREATIVE LEARNING CENTRE GROUND FLOOR GENERAL ARRANGEMENT PLAN

Scale: 1 : 100

0 2500 5000 mm
1:100

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOUR

NOT FOR CONSTRUCTION

Issue	Description	Dwn	Apvd	Date
	FOR TENDER ISSUE	JAB	JO	22.06.2017

Last Saved:
Filename:

SAFETY IN DESIGN INFORMATION

SAFETY IN DESIGN ISSUES HAVE BEEN ASSESSED AS PART OF THE DESIGN PROCESS. ALL REASONABLE STEPS HAVE BEEN TAKEN TO ENSURE HAZARDS AND RISKS NORMALLY ASSOCIATED WITH THIS TYPE OF DESIGN HAVE BEEN MITIGATED AND/OR COMMUNICATED.
RESIDUAL HAZARDS AND RISKS AND/OR HAZARDS AND RISKS NOT NORMALLY ASSOCIATED WITH THIS TYPE OF WORK WHICH MAY REQUIRE SUBSEQUENT CONSIDERATION AND/OR ACTION ARE DESCRIBED IN - SOH-FOH SAFETY DESGIN REGISTER MATRIX DOCUMENT

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F: (02) 9215 4901
EMAIL info@tzg.com.au
WEB www.tzg.com.au

Location

Status: FOR TENDER

Contract: SOH-513

Dwn J.BRAGA | Date 22-06-2017
Ckd J.ONSLOW | Scale 1:100

Project: BUILDING RENEWAL PROGRAM
CREATIVE LEARNING CENTRE

Title: STRUCTURAL
GROUND FLOOR GENERAL ARRANGEMENT PLAN

Sydney Opera House Trust
GPO Box 4274 Sydney NSW Australia 2001
Phone: +61 2 9250 7541
email: info@sydneyoperahouse.com

© Sydney Opera House Trust

Location	Drawing No:	Sheet:	Rev:	
CL VA	29 BR AEC07	S010	01	A1

23/06/2017 4:21:28 PM
C:\Users\Braga1\Documents\60469415-ST-CENTRAL-2016_Braga1.rvt

ISO A1 594mm x 841mm

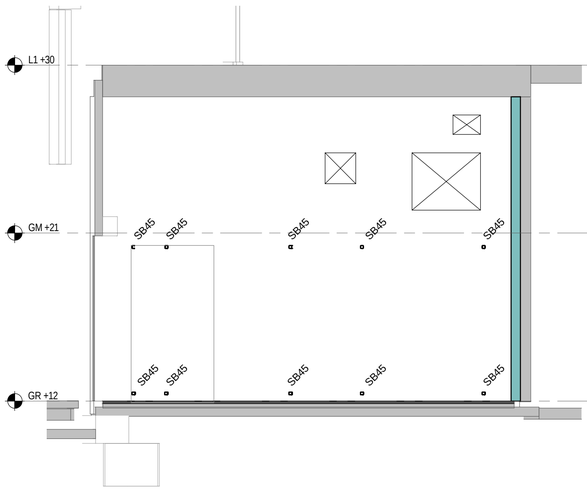
NOTE: PENETRATIONS SHOWN INDICATIVELY REFER ARCHITECTS DRAWINGS FOR SETTING OUT.

CONSTRUCTION METHODOLOGY NOTE:
ALL RC JACKETS AND ASSOCIATED STRENGTHENING WORKS TO BE INSTALLED, AT 28 DAY STRENGTH AND INSPECTED AND APPROVED BY STRUCTURAL ENGINEER PRIOR TO SAW CUTTING/DEMOLITION OF EXISITING WALL SECTIONS.

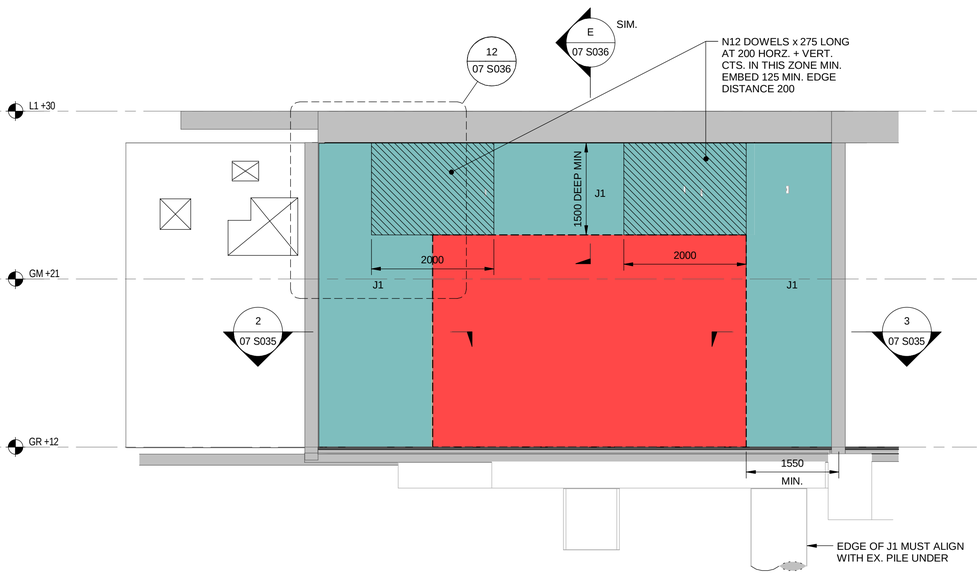
LEGEND

- DENOTES EXISTING STRUCTURAL WALL TO BE DEMOLISHED.
- DENOTES NEW STRUCTURAL RC WALL JACKET.
- DENOTES EXISTING WALLS AND SLAB
- DENOTES EXISTING WALL PENETRATION TO BE INFILLED. REFER DETAIL ON DRG No. S035

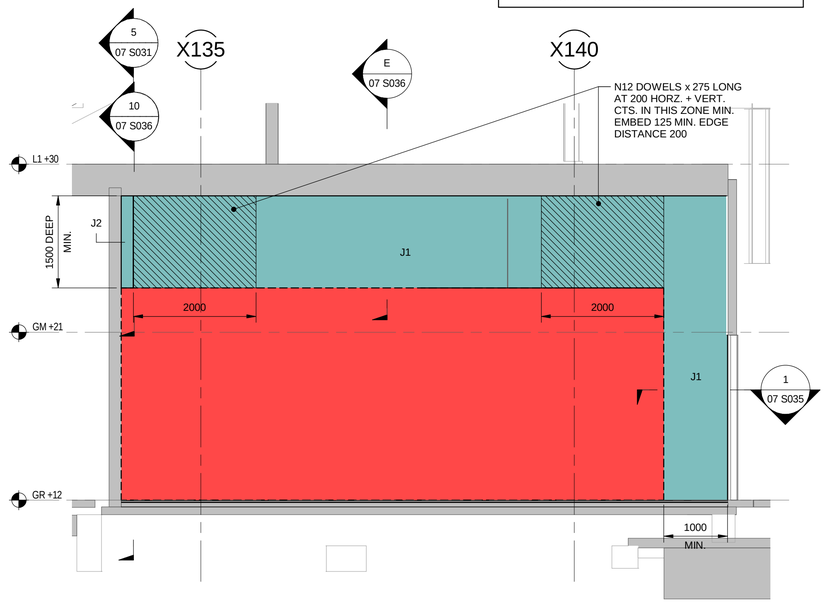
NOTES:
1. REFER DRAWING No. S001 & S002 FOR STRUCTURAL GENERAL NOTES.
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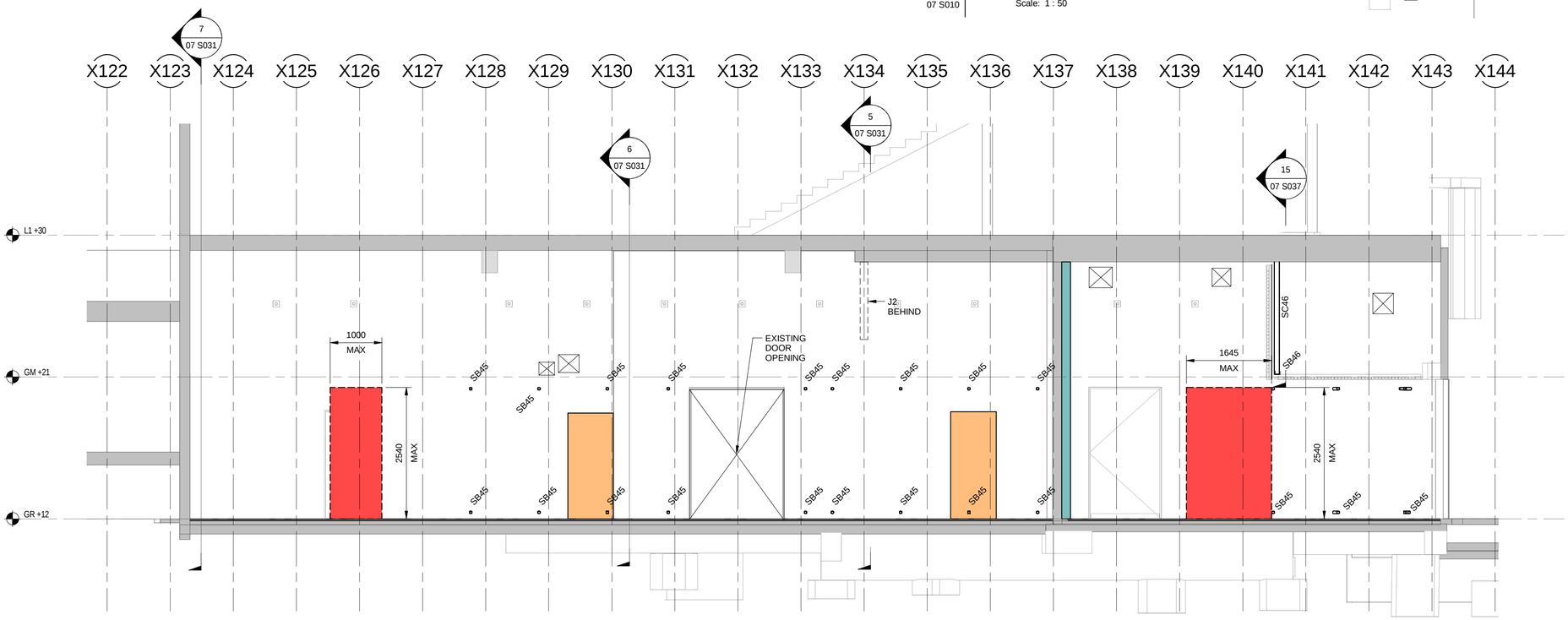
1 SECTION
07 S010 — Scale: 1 : 50



2 SECTION
07 S010 — Scale: 1 : 50



4 SECTION
07 S010 — Scale: 1 : 50



3 SECTION
07 S010 — Scale: 1 : 50

CLC STEEL FRAMING SCHEDULE

MARK	SIZE	COMMENTS
SB45	50x50x5.0 SHS	FULLY WELDED FRAME
SB46	100 PFC	FULLY WELDED FRAME
SB47	100x100x5.0 SHS	

CLC STEEL COLUMN SCHEDULE

MARK	SIZE	COMMENTS
SC45	50x50x5.0 SHS	FULLY WELDED FRAME
SC46	100 PFC	FULLY WELDED FRAME

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOUR

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Issue	Description	Drwn	Apvd	Date
Last Saved:				
Filename:				
	FOR TENDER ISSUE	JAB	JO	22.06.2017

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WEB www.tzg.com.au

Location

Status: FOR TENDER
Contract: SOH-513
Dwn J.BRAGA | Date 22-06-2017
Ckd J.ONSLOW | Scale 1:50

Project: BUILDING RENEWAL PROGRAM
CREATIVE LEARNING CENTRE
Title: STRUCTURAL
WALL ELEVATIONS - SHEET 1

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Location	Drawing No:	Sheet:	Rev:	
CL VA	29 BR AEC07	S030	01	A1

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ISO A1 594mm x 841mm

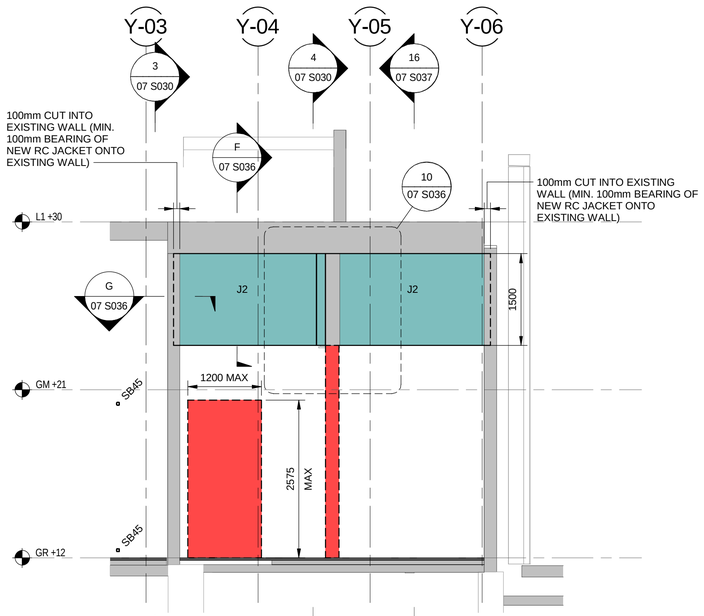
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CONSTRUCTION METHODOLOGY NOTE:
ALL RC JACKETS AND ASSOCIATED STRENGTHENING WORKS TO BE INSTALLED, AT 28 DAY STRENGTH AND INSPECTED AND APPROVED BY STRUCTURAL ENGINEER PRIOR TO SAW CUTTING/DEMOLITION OF EXISITING WALL SECTIONS.

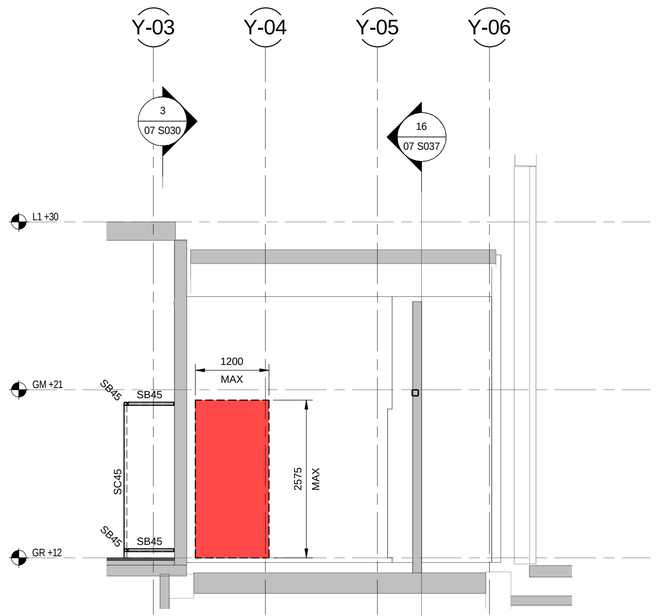
LEGEND

- DENOTES EXISTING STRUCTURAL WALL TO BE DEMOLISHED.
- DENOTES NEW STRUCTURAL RC WALL JACKET.
- DENOTES EXISTING WALLS AND SLAB
- DENOTES EXISTING WALL PENETRATION TO BE INFILLED. REFER DETAIL ON DRG No. S035

NOTES:
1. REFER DRAWING No. S001 & S002 FOR STRUCTURAL GENERAL NOTES.
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5 SECTION
07 S010 Scale: 1 : 50



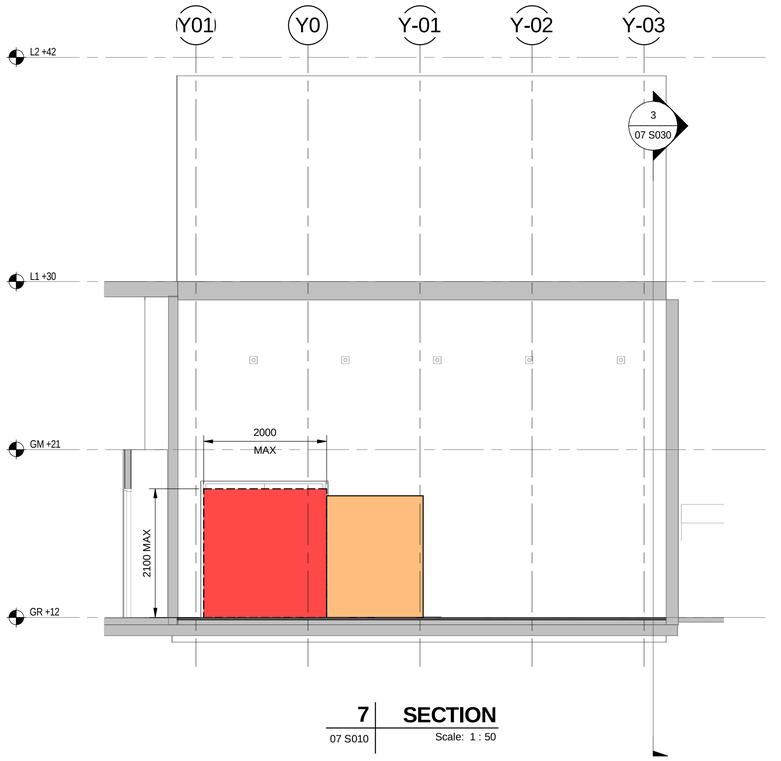
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CLC STEEL FRAMING SCHEDULE

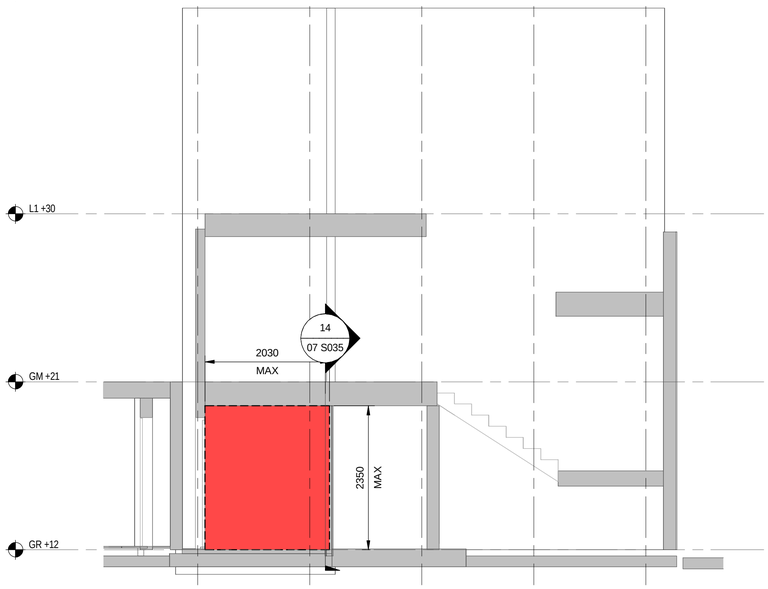
MARK	SIZE	COMMENTS
SB45	50x50x5.0 SHS	FULLY WELDED FRAME
SB46	100 PFC	FULLY WELDED FRAME
SB47	100x100x5.0 SHS	

CLC STEEL COLUMN SCHEDULE

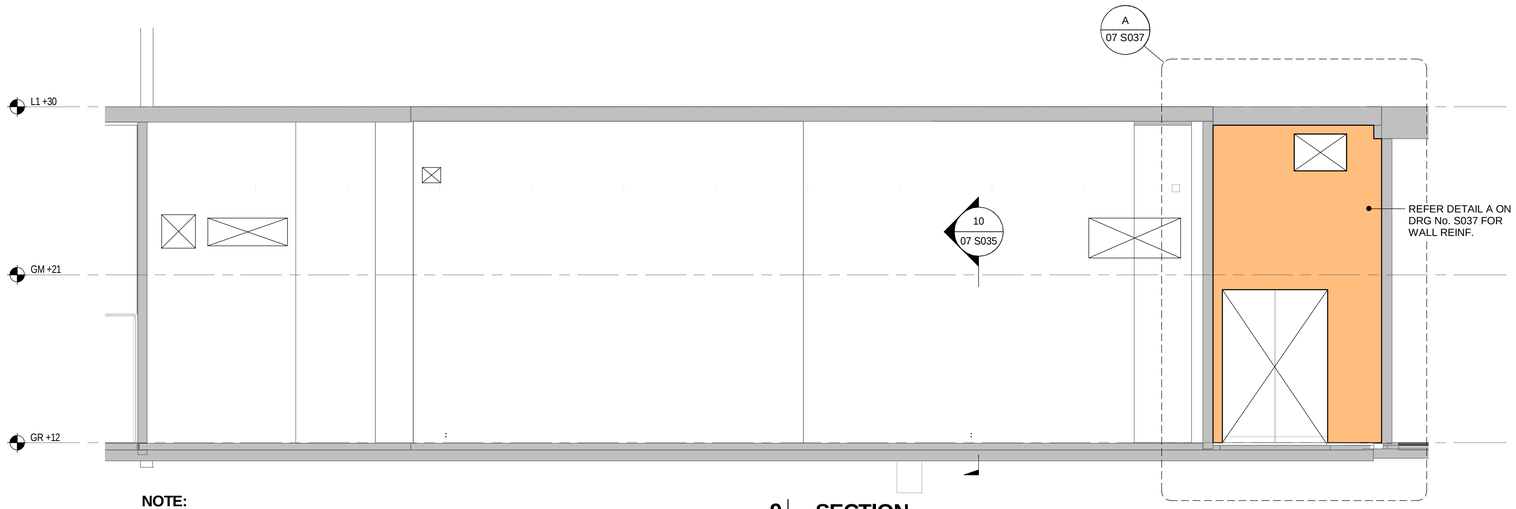
MARK	SIZE	COMMENTS
SC45	50x50x5.0 SHS	FULLY WELDED FRAME
SC46	100 PFC	FULLY WELDED FRAME



7 SECTION
07 S010 Scale: 1 : 50



8 SECTION
07 S010 Scale: 1 : 50



9 SECTION
07 S010 Scale: 1 : 50

NOTE:
EXISTING RC WALL SUPPORTS LIFT LOADS FROM ABOVE WALL TO BE DESIGNED & CERTIFIED BY ARUP ENGINEERS.

0 1250 2500 mm
1:50

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Issue	Description	Drwn	Apvd	Date
	FOR TENDER ISSUE	JAB	JO	22.06.2017

Last Saved:
Filename:

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Location

Status: FOR TENDER
Contract: SOH-513
Dwn J.BRAGA Date 22-06-2017
Ckd J.ONSLOW Scale 1:50

Project: BUILDING RENEWAL PROGRAM
CREATIVE LEARNING CENTRE
Title: STRUCTURAL
WALL ELEVATIONS - SHEET 2

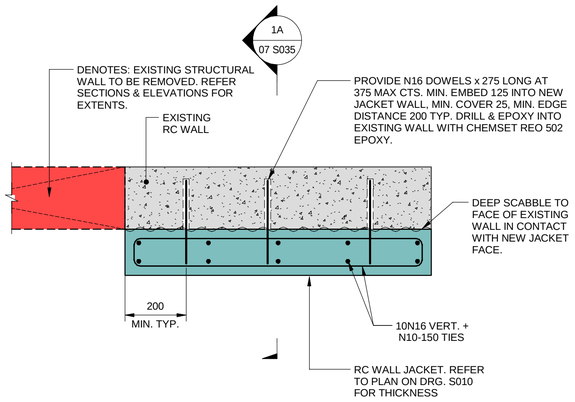
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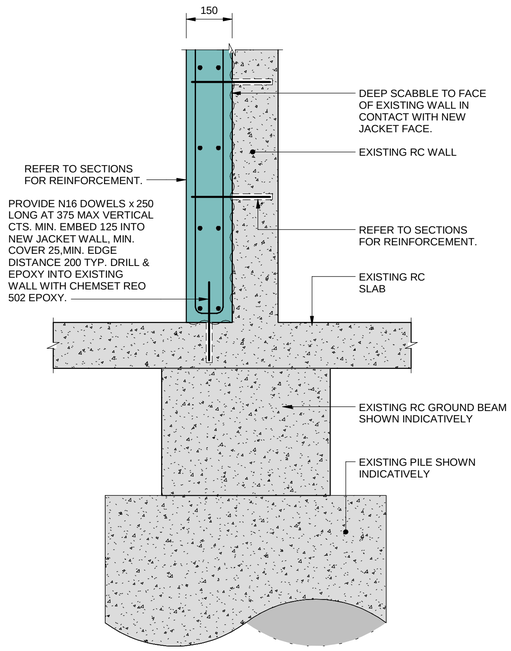
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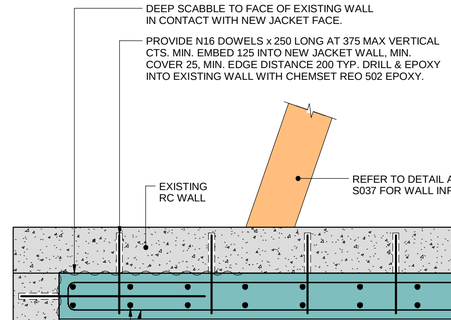
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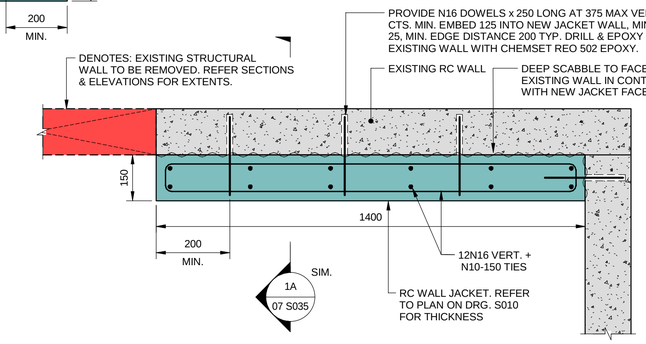
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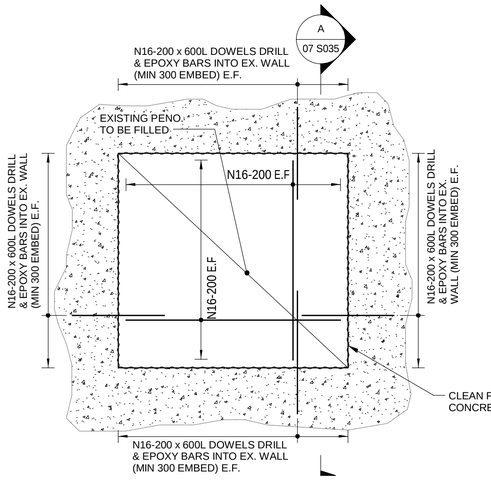
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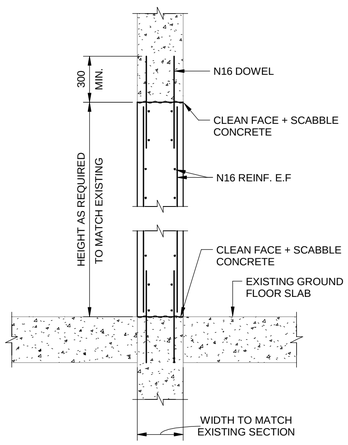
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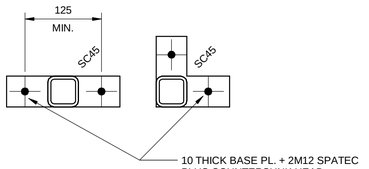
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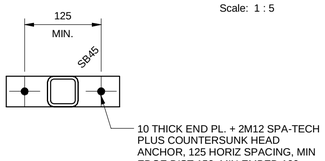
RC INFILL WALL DETAIL
Scale: 1 : 20



A SECTION
07 S035 | Scale: 1 : 20

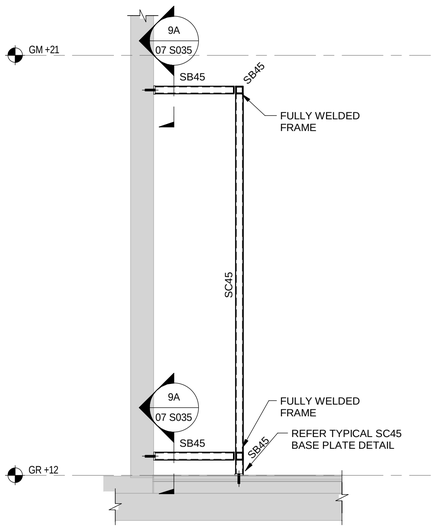


TYPICAL SC45 BASE PLATE DETAIL
Scale: 1 : 5



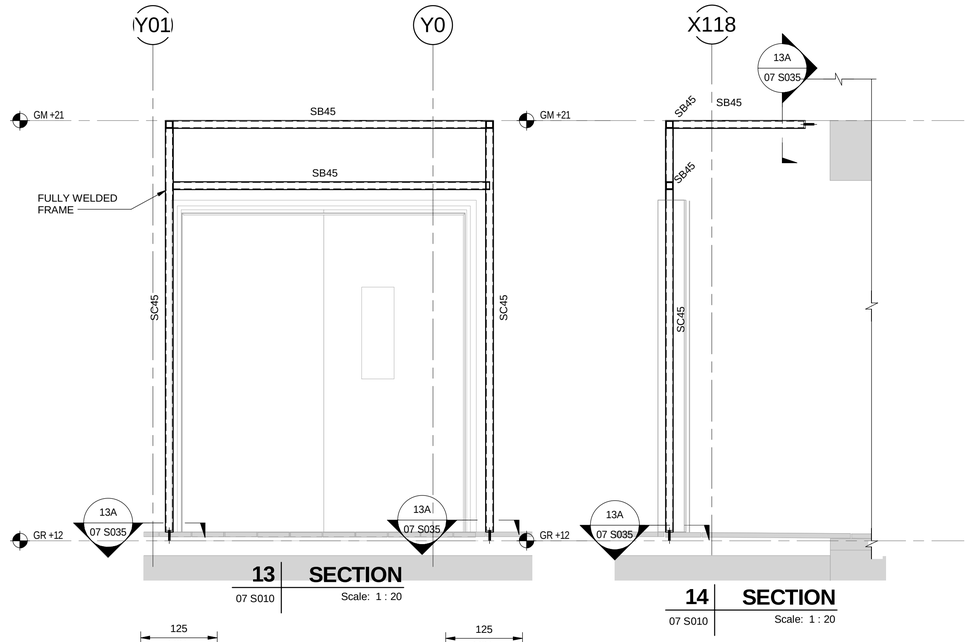
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9A SECTION
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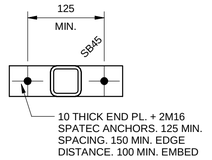
TYPICAL OPERABLE PANEL STEEL FRAMING SECTION

10 SECTION
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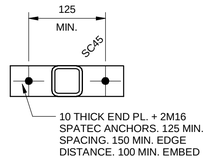


13 SECTION
07 S010 | Scale: 1 : 20

14 SECTION
07 S010 | Scale: 1 : 20



13A SECTION
07 S035 | Scale: 1 : 5



13B SECTION
Scale: 1 : 5

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Location

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Contract: SOH-513
Dwn J.BRAGA | Date 22-06-2017
Ckd J.ONSLOW | Scale 1:5, 1:10, 1:20

Project: BUILDING RENEWAL PROGRAM
CREATIVE LEARNING CENTRE
Title: STRUCTURAL
SECTIONS - SHEET 1

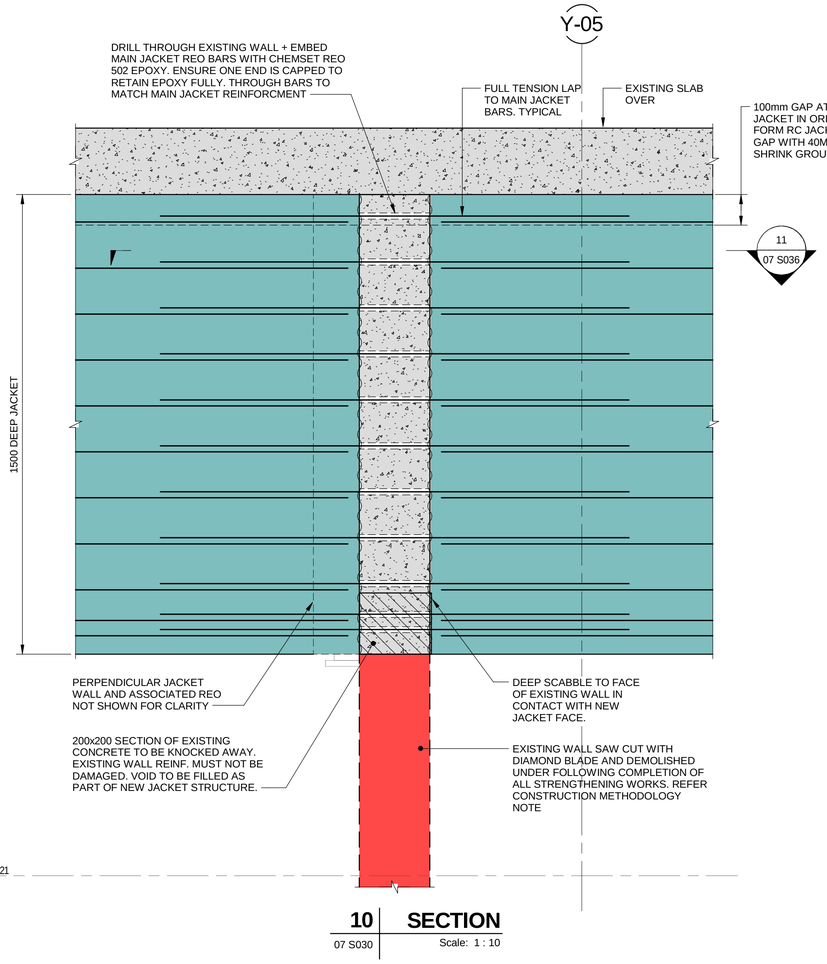
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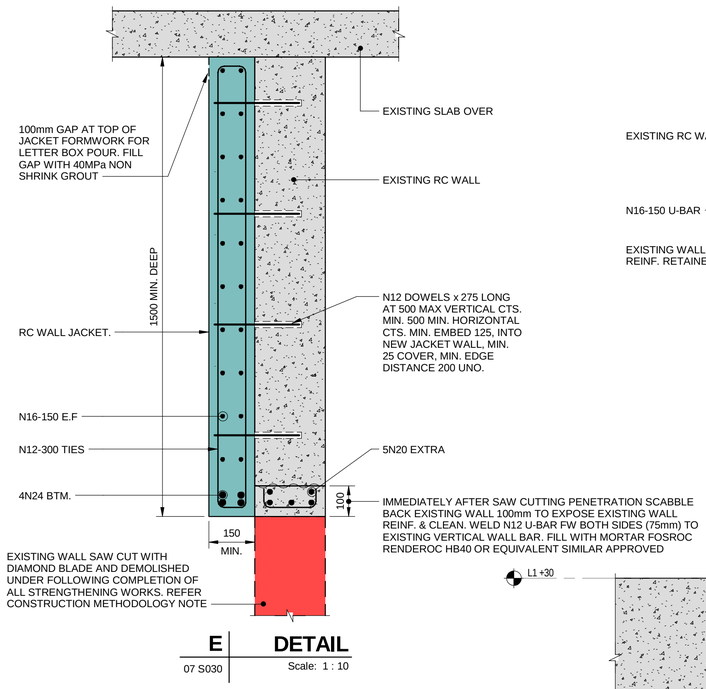
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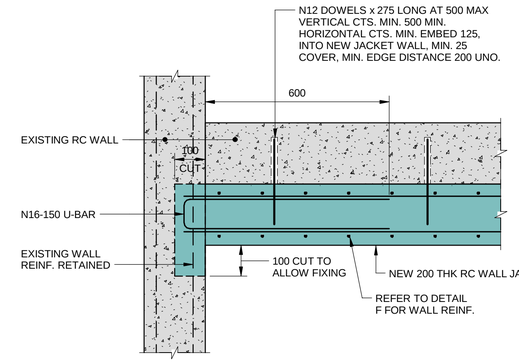
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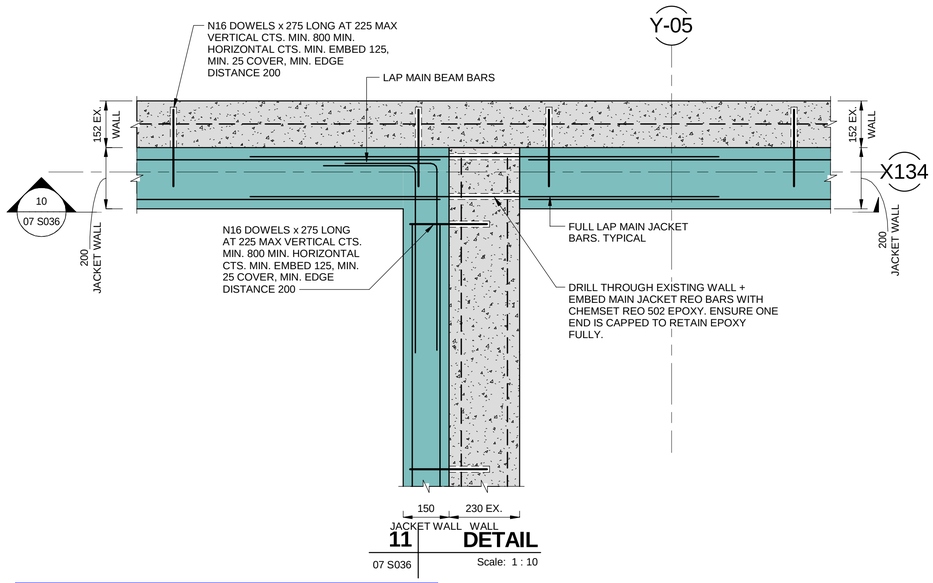
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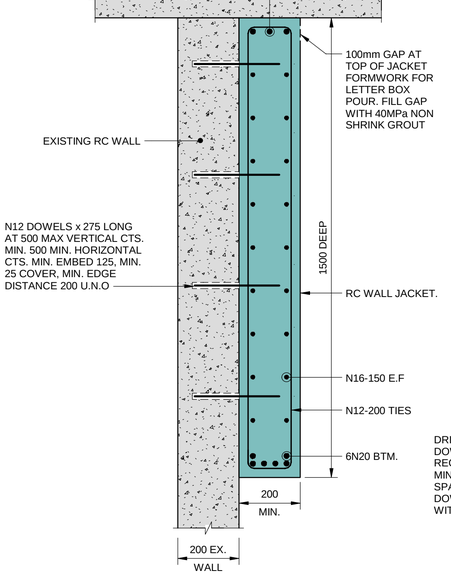
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11 DETAIL
07 S036 — Scale: 1 : 10



F DETAIL
07 S031 — Scale: 1 : 10



12 SECTION
07 S030 — Scale: 1 : 10

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Location

Status	FOR TENDER		
Contract	SOH-513		
Dwn	J.BRAGA	Date	22-06-2017
Ckd	J.ONSLOW	Scale	1:10

Project: BUILDING RENEWAL PROGRAM
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SECTIONS - SHEET 2

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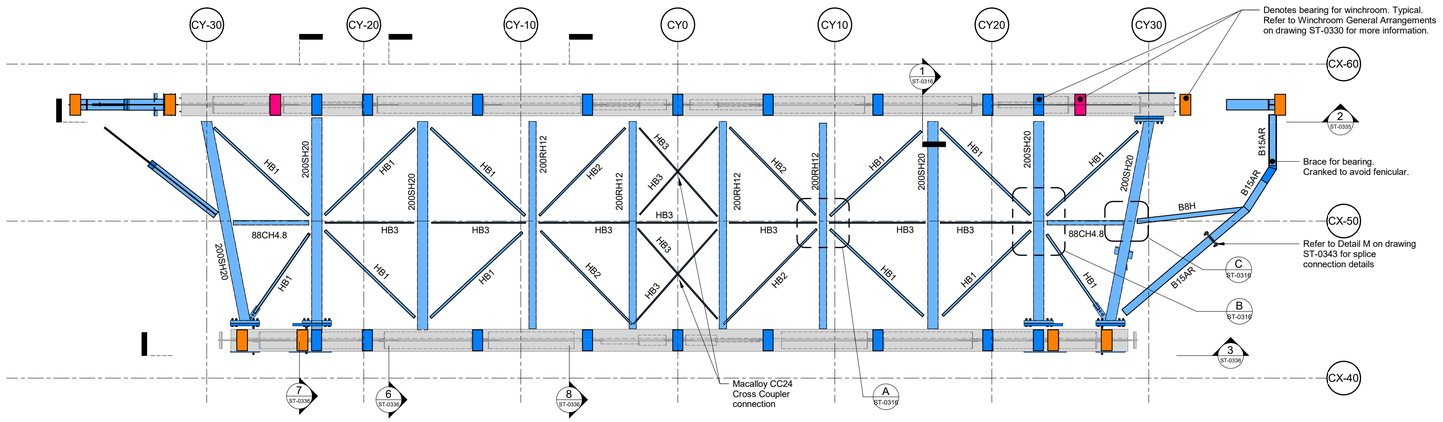
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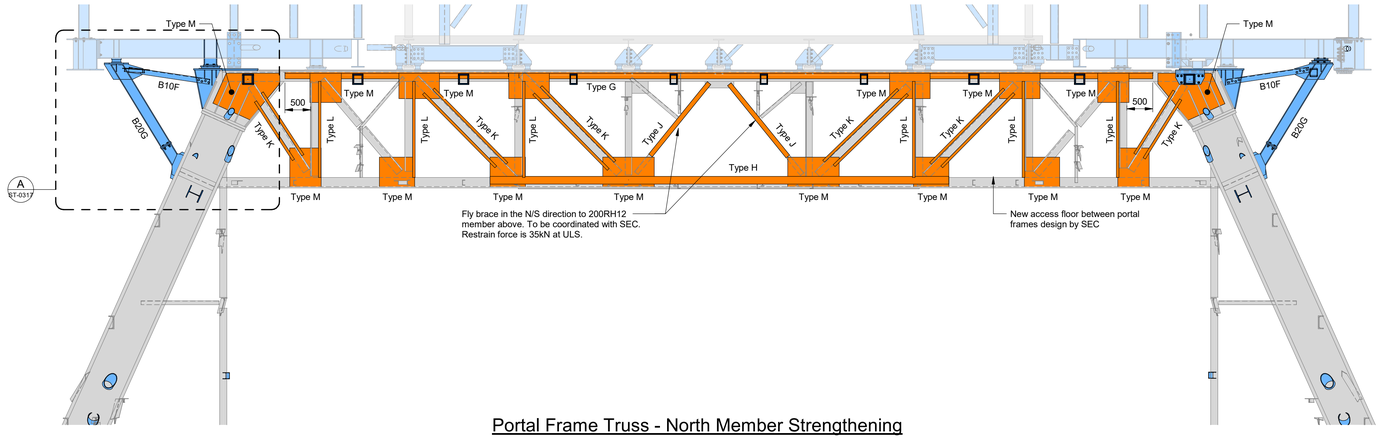
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Refer to Portal Frame Strengthening Details on drawing ST-0313 and ST-0314 for strengthening details.

Notes:
1. This drawing is to be read in conjunction with the General Notes drawings ST-0010 & ST-0011.
2. Refer to drawings ST-0021 to ST-0032 for typical details.
3. All existing levels and other structural element dimensions to be confirmed on site, the engineer and architect are to be notified of any discrepencies before construction commences.

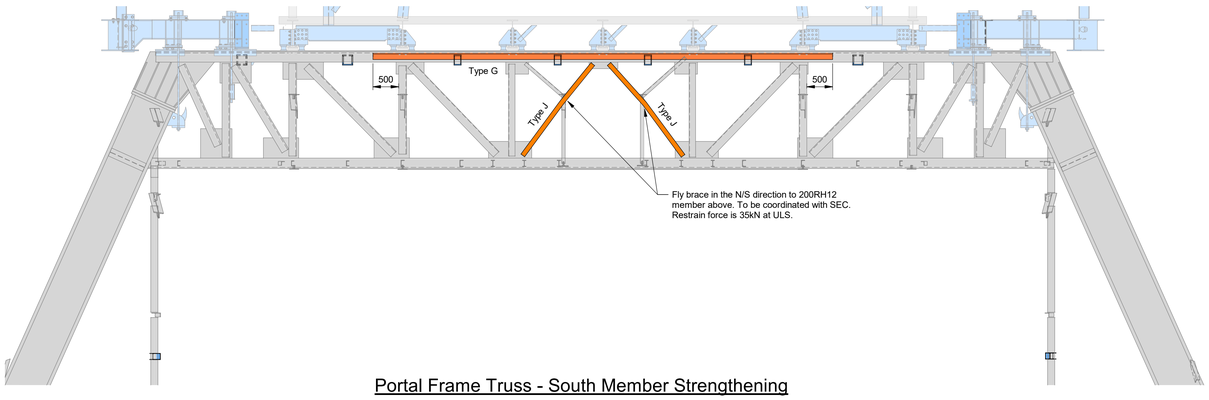


Portal Frame Truss - Top Chord Bracing - General Arrangement



Portal Frame Truss - North Member Strengthening

Refer to drawing ST-0313 for Portal Frame Leg Member Strengthening



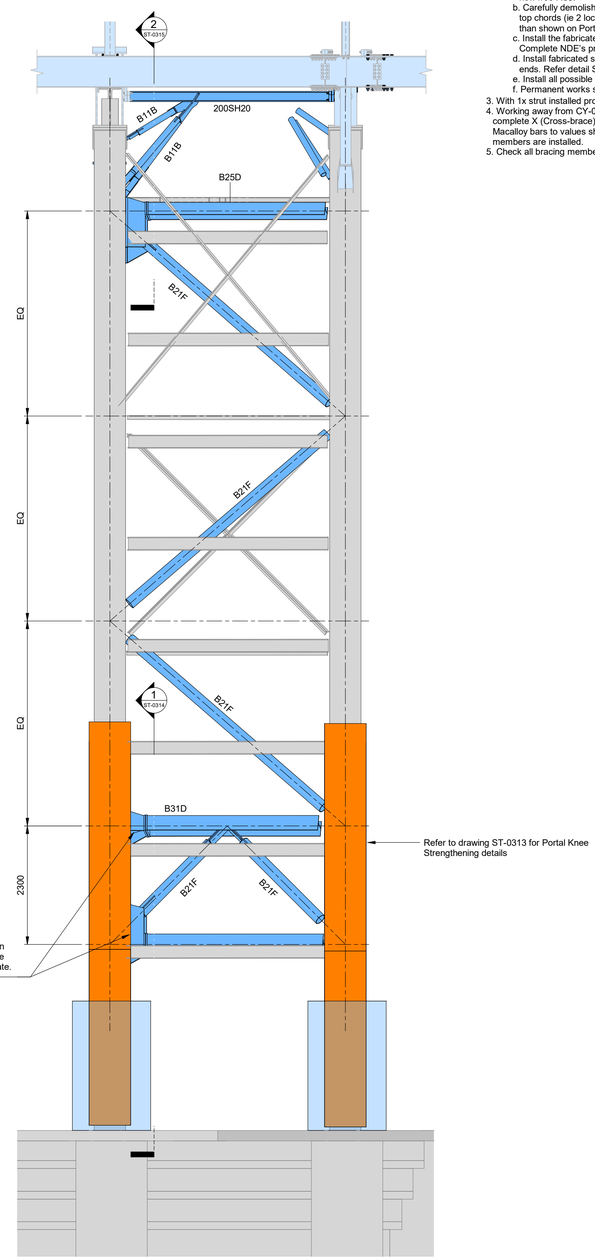
Portal Frame Truss - South Member Strengthening

Refer to drawing ST-0313 for Portal Frame Leg Member Strengthening types.

Portal Roof Bracing Construction Sequence

The existing top chord of the portal frames are stabilised laterally by a combination of both the RSJ purlins and the 2" thick concrete acoustic skin above. The bracing provides the new restraint load path. However, in order to provide access to install the new bracing, portions of the existing restraint system need to be firstly locally demolished. This is therefore a carefully staged sequence and it is critical that the sequence and demolition details are carefully followed to ensure we maintain stability to the top chords and avoid a global buckling failure.

1. Remove the chicken wire, insultation and any services between the north and south portal frames that will impede access for demolition and installation.
2. Starting with the new framing grid immediately west of CY-0:
   a. Temporarily prop the top hats either side of the RSJ – if welded to the RSJ wire cut the connection, do not damage the top hat, otherwise unbolt. Wire cut the RSJ at the connection with the top chords as shown on Section 1 on drg ST-0316. Remove the now free RSJ.
   b. Carefully demolish the acoustic skin at the connection between the new strut and top chords (ie 2 local zones of demolition). The extent of demolish must be no more than shown on Portal Frame Demolition Elevation (Drg ST-0312).
   c. Install the fabricated bracing brackets and complete site welds to the top chords. Complete NDE's prior to moving onto step d.
   d. Install fabricated strut and adjust shim plates to achieve full contact bearing at both ends. Refer detail Section 1 on drg ST-0316.
   e. Install all possible portal roof Macalloy bracing members and tension to snug tight
   f. Permanent works structural engineer to inspect and approve prior to proceeding
3. With 1x strut installed progress onto the framing grid immediately east of CY-0. Repeat step 2.
4. Working away from CY-0, and alternating between East and West, repeat step 2 until a complete X (Cross-brace) is installed (ie. two adjacent strut and a full cross brace). Tension Macalloy bars to values shown in schedule below. Continue alternating East then West until all members are installed.
5. Check all bracing members are still at their correct preload. Portal roof bracing is complete.



Opposite end similar. Opposite handed.

Portal Frame Leg - Bracing Elevation

Scale: 1 : 50

Steel Framing Schedule - Portal Frame

Type	Mark	Size
Angle	B6B	65x65x6EA
Angle	B10F	100x100x10EA
CHS	88CH4.8	88.9x4.8 CHS
CHS	B11B	114.3x5.4CHS
CHS	B21F	219.1x8.2CHS
FAB	200RH12	200x140x12tw x 20tf FAB RHS
FAB	200SH20	200x200x20tw x 20tf FAB SHS
SHS	B8H	89x89x5.0SHS
SHS	B15AR	150x150x10.0SHS
Tie	HB1	M48 Macalloy Bar 460 (100kN Preload)
Tie	HB2	M36 Macalloy Bar 460 (100kN Preload)
Tie	HB3	M24 Macalloy Bar 460 (70kN Preload however only snug tight for bars parallel to CX grid)
UC	B20G	200UC59.3
UC	B25D	250UC72.9
UC	B31D	310UC96.8

All drawings are to be printed IN COLOUR

Issue	Description	Drwn	Apvd	Date
A	Tender Review Issue	CM	PM	11/01/19
B	For Tender	CM	PM	15/02/19
C	For Tender	CM	PM	18/02/19

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www.arup.com.au

Key
- Indicates existing structure
- Indicates existing structure to be demolished
- Indicates a tie beam location
- Indicates new structure
- Indicates existing member/connection to be strengthened

1 : 50 @ B1

Note:
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Location

Status: For Tender
Contract: BDM-168
Dwn: Author | Date: 18/02/2019 9:44:37 AM
Ckd: Checker | Scale: 1 : 50 @ B1

Project: Building Renewal Project Concert Hall
Title: Portal Frame General Arrangements and Elevations

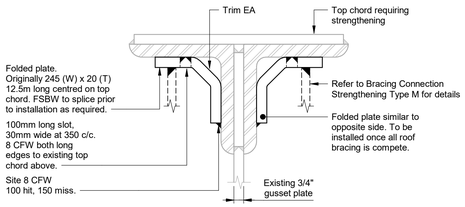
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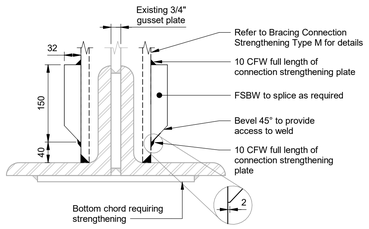
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CH	29-BR-AR201	ST-0312	C	B1

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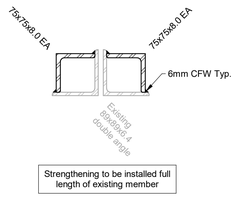
Notes:
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Top Chord - Strengthening - Type G

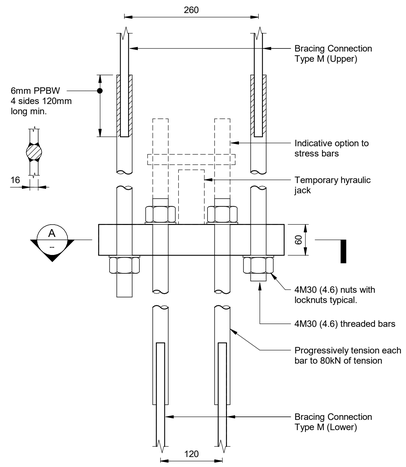


Bottom Chord - Strengthening - Type H

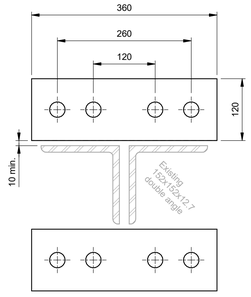


Strengthening to be installed full length of existing member

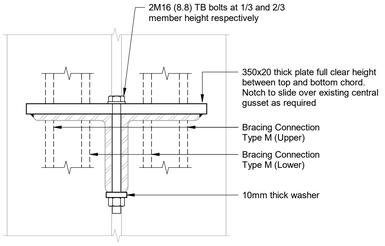
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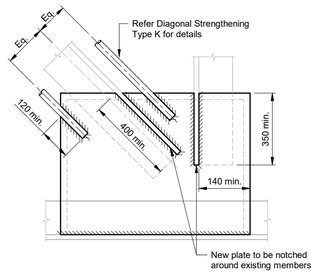
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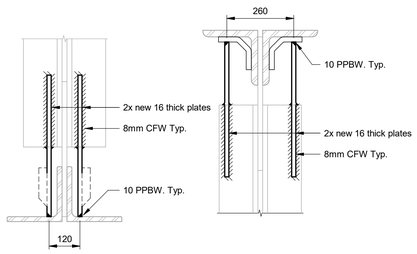
Section A
Scale -



Vertical - Strengthening - Type L



Elevation



Lower

Upper

Bracing Connection - Strengthening - Type M

Note:
Assume existing 12"x1/2" plate pass through nodes.

All drawings are to be printed IN COLOUR

Issue	Description	Drwn	Apvd	Date
A	Tender Review Issue	CM	PM	11/01/19
B	For Tender	CM	PM	15/02/19

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As indicated @ B1

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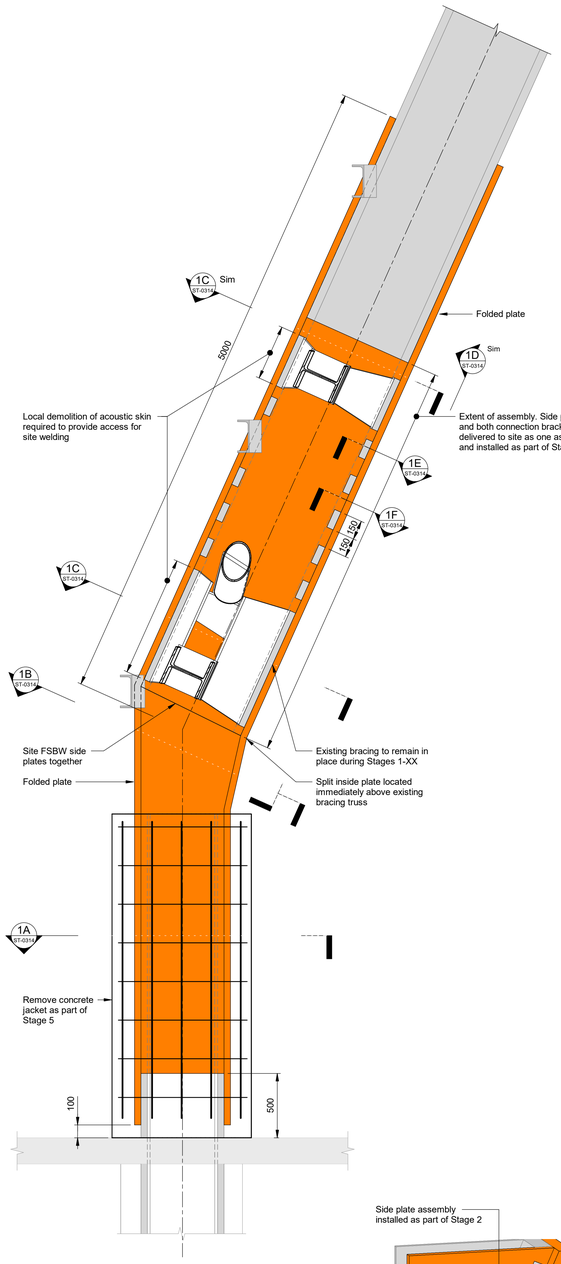
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Ckd: Checker | Scale: As indicated @ B1

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Title: Portal Frame Strengthening Details - Sheet 1

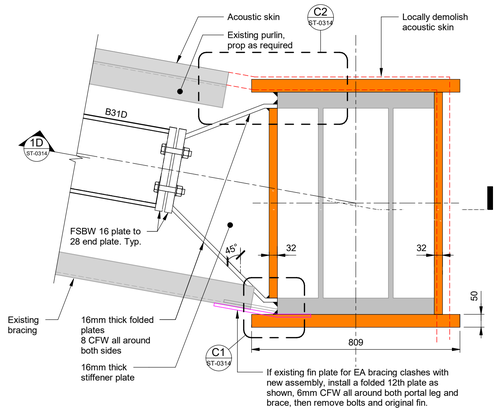
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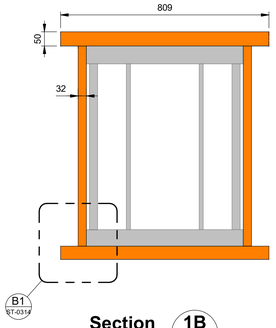
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CH	29-BR-AR201	ST-0313	B	B1



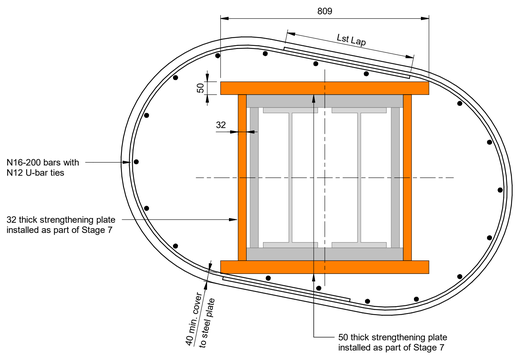
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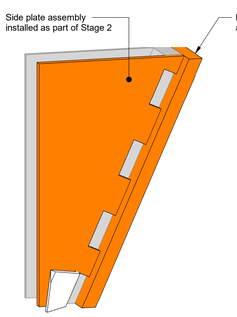
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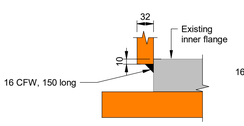
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Section 1A — Scale 1 : 10 — ST-0314

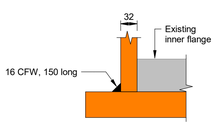


Web Plate to Flange Plate - 3D View

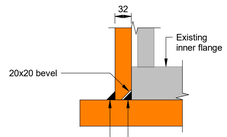


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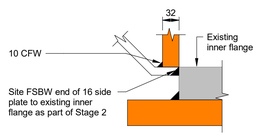
Section taken through notch, only applied to side bracket assembly. Installed as part of Stage 2



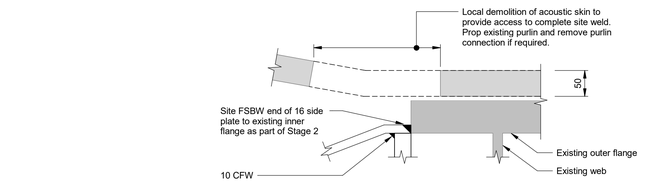
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Section B1 — Scale 1 : 5 — ST-0314

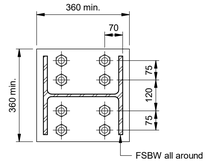


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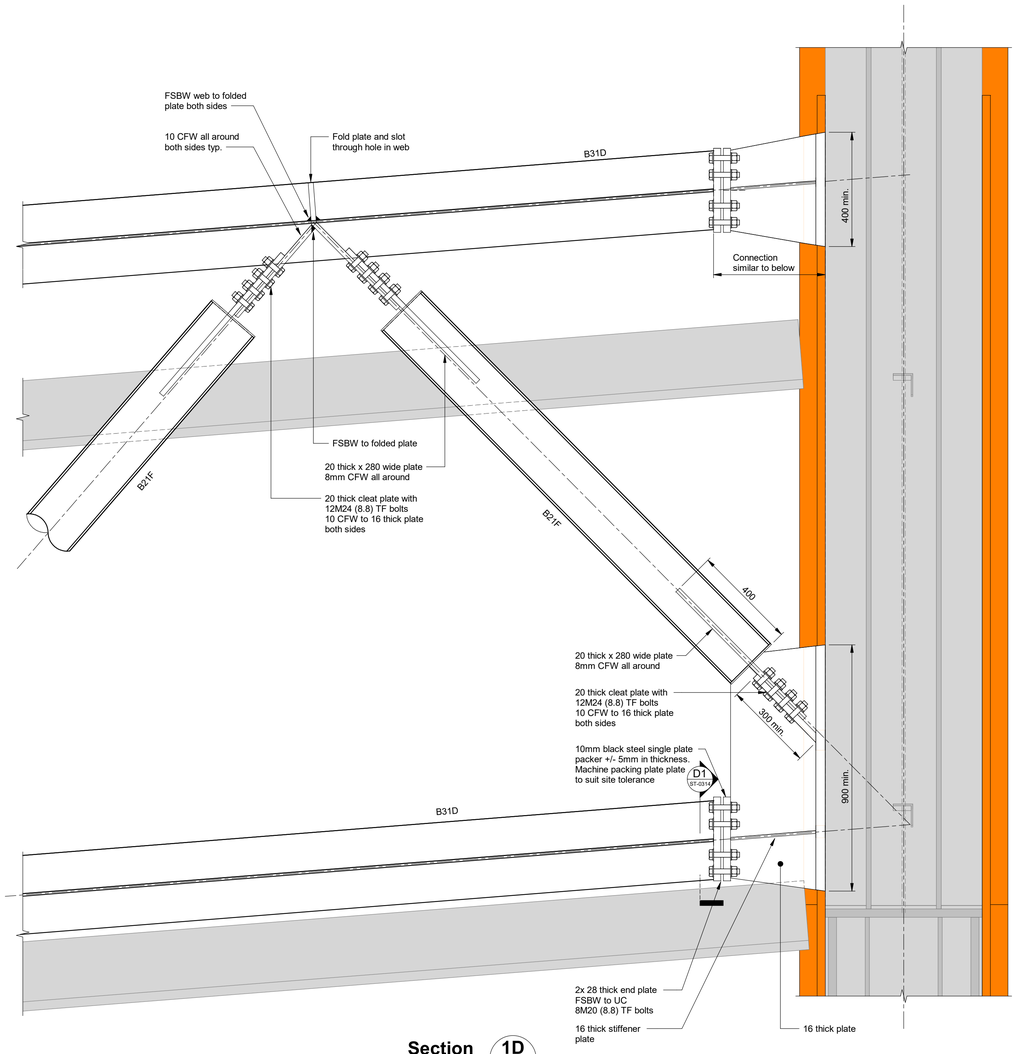


Section shown during Stage 2

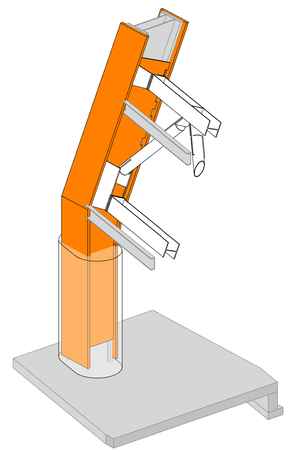
Section C2 — Scale 1 : 5 — ST-0314



Section D1 — Scale 1 : 10 — ST-0314



Section 1D — Scale 1 : 10 — ST-0314



Base of Portal Frame Connections - 3D View

Notes:
1. This drawing is to be read in conjunction with the General Notes drawings ST-0010 & ST-0011.
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Steel Framing Schedule - Portal Frame

Type	Mark	Size
Angle	B6B	65x65x6EA
Angle	B10F	100x100x10EA
CHS	88CH4.8	88.9x4.8 CHS
CHS	B11B	114.3x5.4CHS
CHS	B21F	219.1x8.2CHS
FAB	200RH12	200x140x12tw x 20tf FAB RHS
FAB	200SH20	200x200x20tw x 20tf FAB SHS
SHS	B8H	89x89x5.0SHS
SHS	B15AR	150x150x10.0SHS
Tie	HB1	M48 Macalloy Bar 460
Tie	HB2	M36 Macalloy Bar 460
Tie	HB3	M24 Macalloy Bar 460
UC	B20G	200UC59.3
UC	B25D	250UC72.9
UC	B31D	310UC96.8

Portal Leg Bracing and Knee Strengthening Construction Sequence

1. Cut small access holes in the acoustic skin at the lower bracing connections to the portal legs (located just above and approx. 2.5m above the knee). Access to provide space to complete site weld between connection bracket and existing outer portal leg flange. Extent of local demolition indicatively shown on ST-0311. Prepare existing steel for site welding.
2. Site weld all bracing connection brackets to the portal legs - 3 brackets per portal frame leg of which one is a pre-assembled pair of brackets
3. Complete all site weld NDE's for the connection brackets have been completed. Site survey position of all brackets and amend bracing lengths / machine packing plates as required.
4. Complete installation of all CHS and UC bracing to both portal legs. Do not proceed further until permanent works engineer has inspected and approved the installation of the portal leg bracing.
5. Scabble back the concrete jackets around the four portal leg columns down to SSL Level 4. Retain 600mm of reinforcement locally at the base. Prepare existing steel for site welding.
6. Locally demolish the acoustic skin to provide access to install the portal leg flange plates (50pl) and remainder site plates (32pl). Depending on extent of purlin demolition local propping of the acoustic skin may be required. Demolish the lower cross brace on both portal leg frames. Demolish the bracing truss spanning between the portal knees.
7. Temporary works likely required to redirect framing connecting to the existing portal leg inner flanges in order to provide access to install flange plate strengthening. Install the inner and outer flange strengthening plates and site weld to the existing portal flanges. Stager site weld to portions of the side plate strengthening already installed – refer Sections 1E and 1F, otherwise 16mm CFW new flange plate to exisiting flange plate as per Section B1 or Section C1. Complete NDE's.
8. Install the remainder of the side plates and site weld to previously installed flange plates as per Section B1. Complete the site FSBW to join the split side plates back together – refer Section 1 for location of weld.
9. Complete all remaining NDE's
10. Repair and / or reinstate the acoustic skin
11. Recast the architectural concrete jackets around the exposed steel portal legs.
12. Portal leg bracing complete

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Issue	Description	Dwn	Aprvd	Date
A	For Tender	CM	PM	15/02/19

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As indicated @ B1

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Location

Status	For Tender	Project	Building Renewal Project Concert Hall
Contract	BDM-168	Title	Portal Frame Strengthening Details - Sheet 2
Dwn Author	Date 15/02/2019 5:38:58 PM		
Ckd Checker	Scale As indicated @ B1		

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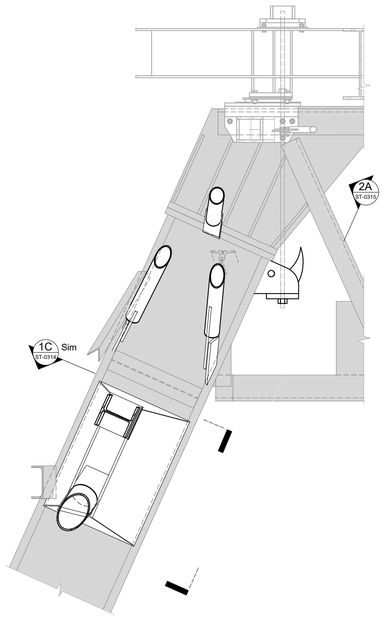
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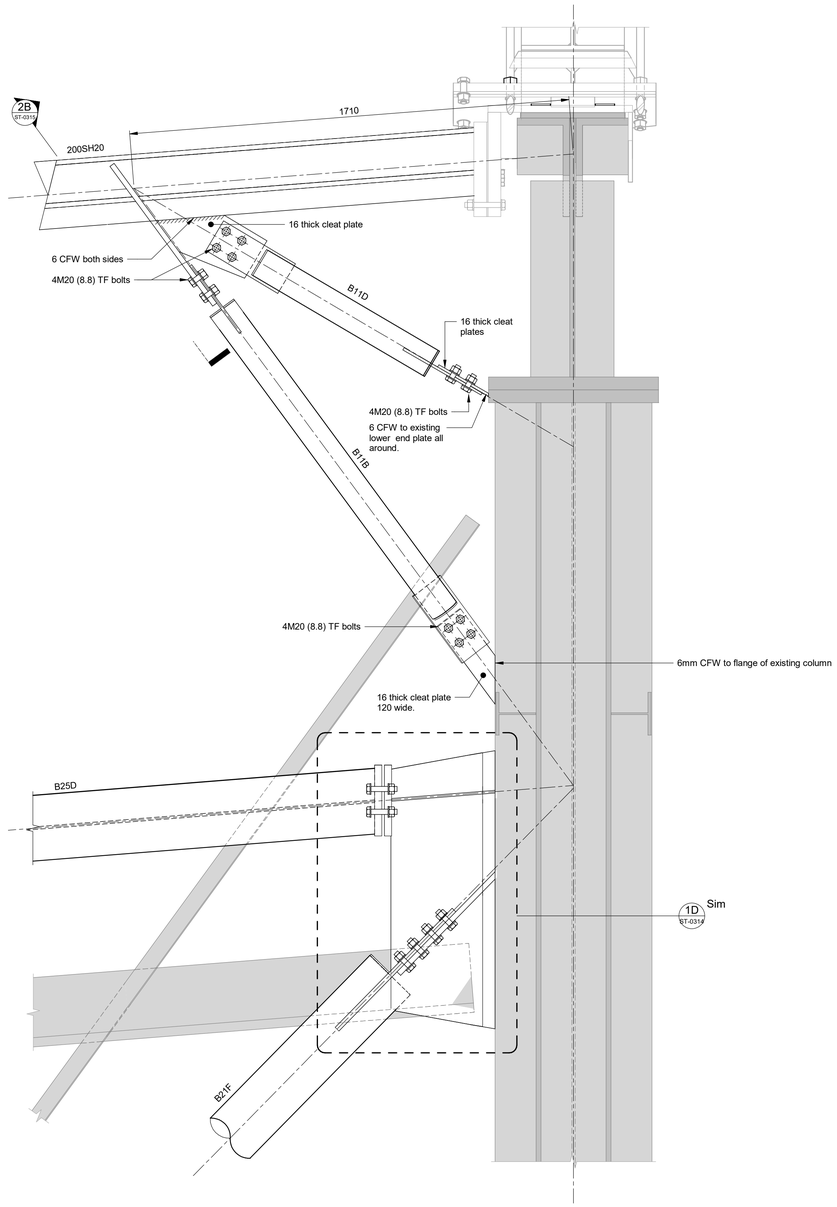
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Steel Framing Schedule - Portal Frame

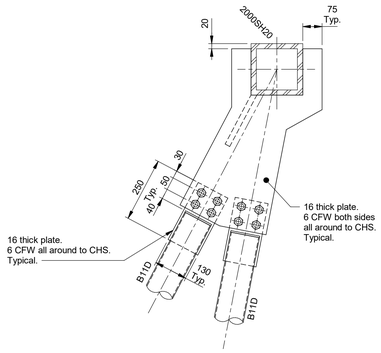
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Angle	B10F	100x100x10EA
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CHS	B11B	114.3x5.4CHS
CHS	B21F	219.1x8.2CHS
FAB	200RH12	200x140x12tw x 20tf FAB RHS
FAB	200SH20	200x200x20tw x 20tf FAB SHS
SHS	B8H	89x89x5.0SHS
SHS	B15AR	150x150x10.0SHS
Tie	HB1	M48 Macalloy Bar 460
Tie	HB2	M36 Macalloy Bar 460
Tie	HB3	M24 Macalloy Bar 460
UC	B20G	200UC59.3
UC	B25D	250UC72.9
UC	B31D	310UC96.8



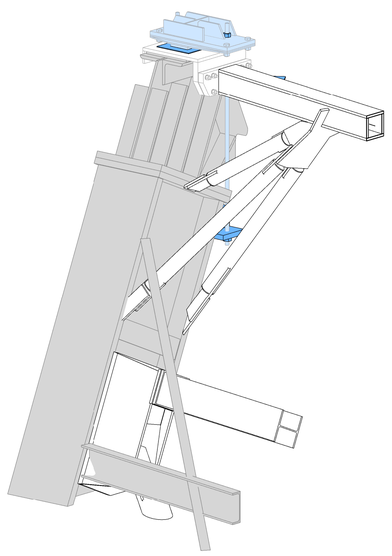
Section 2 — Scale 1 : 20 — ST-0312



Section 2A — Scale 1 : 10 — ST-0315



Section 2B — Scale 1 : 10 — ST-0315



Top of Portal Frame Connections - 3D View

All drawings are to be printed IN COLOUR

Issue	Description	Drwn	Aprvd	Date
A	For Tender	CM	RM	15/02/19

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Key
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- Indicates existing structure to be demolished
- Indicates a tie beam location
- Indicates new structure
- Indicates existing member/connection to be strengthened

As indicated @ B1

Note:
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Location

Status: For Tender
Contract: BDM-168
Dwn: Author — Date: 15/02/2019 5:39:27 PM
Ckd: Checker — Scale: As indicated @ B1

Project: Building Renewal Project Concert Hall
Title: Portal Frame Strengthening Details - Sheet 3

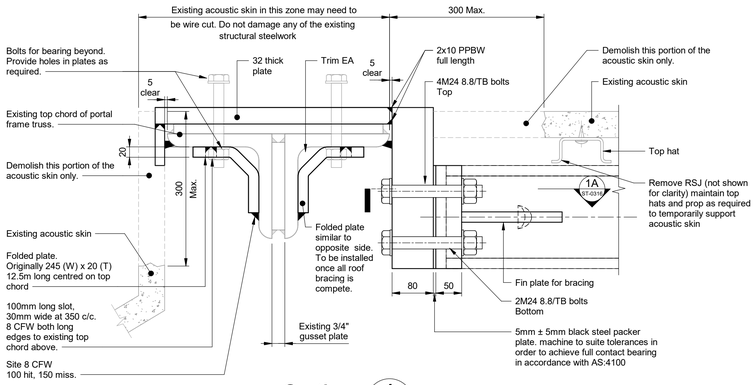
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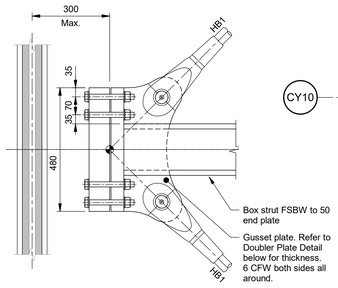
Location	Drawing No:	Sheet:	Rev:	
CH	29-BR-AR201	ST-0315	A	B1

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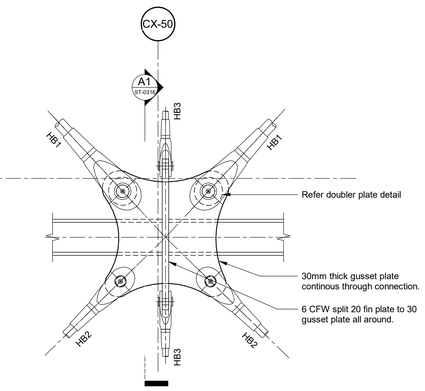
Notes:
1. This drawing is to be read in conjunction with the General Notes drawings ST-0010 & ST-0011.
2. Refer to drawings ST-0021 to ST-0032 for typical details.
3. All existing levels and other structural element dimensions to be confirmed on site, the engineer and architect are to be notified of any discrepencies before construction commences.



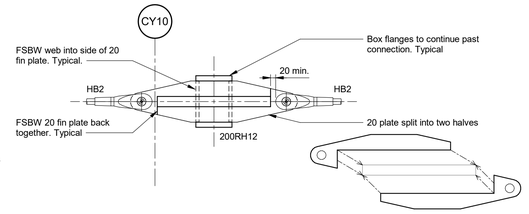
Section 1 ST-0312
Scale 1 : 5



Section 1A ST-0316
Scale 1 : 10



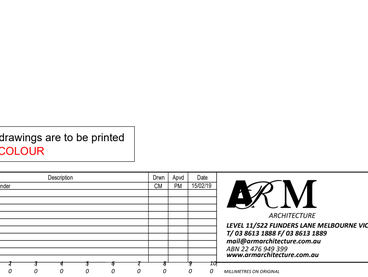
Detail A ST-0312
Scale 1 : 10



Section A1 ST-0316
Scale 1 : 10

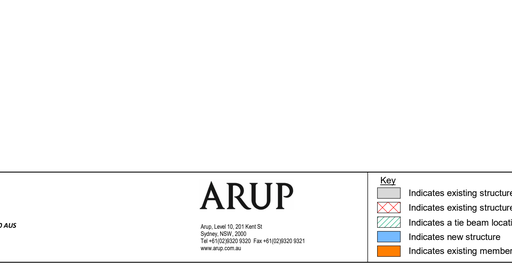
Steel Framing Schedule - Portal Frame

Type	Mark	Size
Angle	B6B	65x65x6EA
Angle	B10F	100x100x10EA
CHS	88CH4.8	88.9x4.8 CHS
CHS	B11B	114.3x5.4CHS
CHS	B21F	219.1x8.2CHS
FAB	200RH12	200x140x12tw x 20tf FAB RHS
FAB	200SH20	200x200x20tw x 20tf FAB SHS
SHS	B8H	89x89x5.0SHS
SHS	B15AR	150x150x10.0SHS
Tie	HB1	M48 Macalloy Bar 460
Tie	HB2	M36 Macalloy Bar 460
Tie	HB3	M24 Macalloy Bar 460
UC	B20G	200UC59.3
UC	B25D	250UC72.9
UC	B31D	310UC96.8



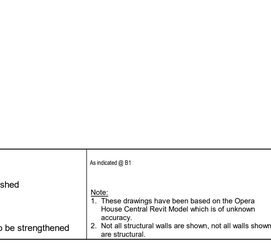
As per Detail A above UNO.

Detail B ST-0312
Scale 1 : 10

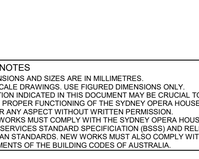


As per Section A1 above UNO.

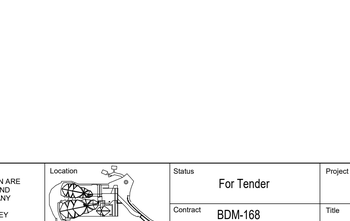
Section 2 ST-0316
Scale 1 : 10



Detail C ST-0312
Scale 1 : 10

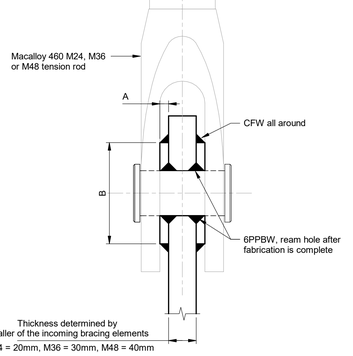


Section C1 ST-0316
Scale 1 : 10



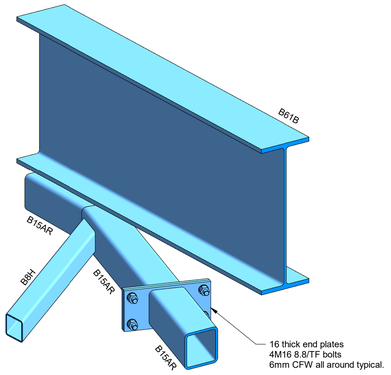
Typical Macalloy Connection Detail
Scale: 1 : 5

Gusset Plate Dimensions		
Tension Rod	X	Y
M24	43	68
M36	64	103
M48	84	135



Doubler Plate Detail
Scale: 1 : 2

Doubler Plate Schedule		
Tension Rod	A	B
M24	N/A	N/A
M36	6	83
M48	6	115



Detail D
Scale

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Issue	Description	Drwn	Apvd	Date
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As indicated @ B1

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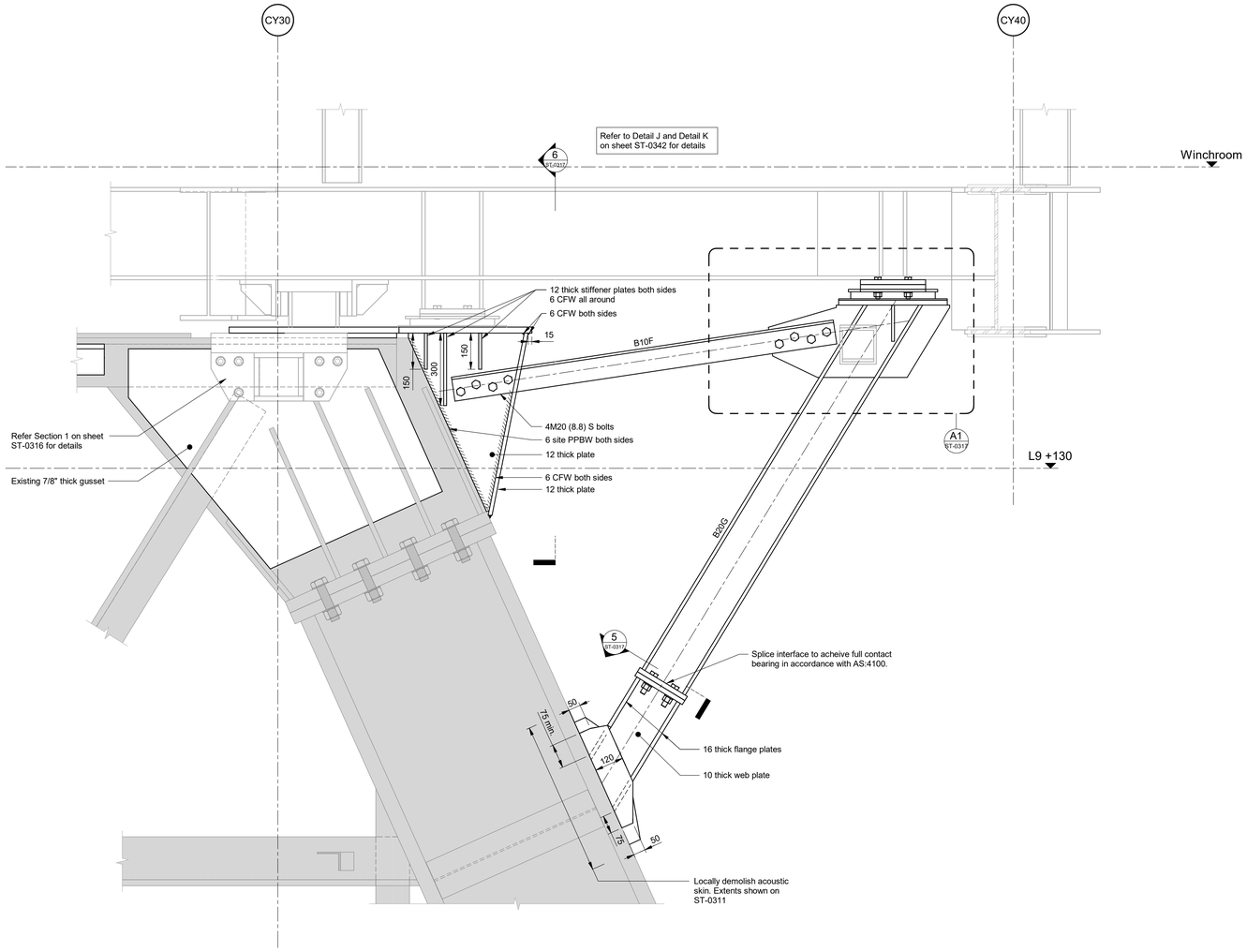
Status: For Tender
Contract: BDM-168
Dwn: CKM | Date: 15/02/2019 5:36:48 PM
Ckd: Checker | Scale: As indicated @ B1

Project: Building Renewal Project Concert Hall
Title: Portal Frame - Sections and Details - Sheet 1

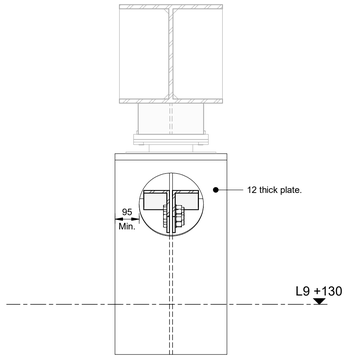
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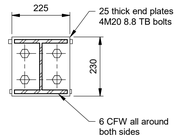
Location	Drawing No:	Sheet:	Rev:	
CH	29-BR-AR201	ST-0316	A	B1



Detail A — Scale 1 : 10 — ST-0312



Section 6 — Scale 1 : 10 — ST-0317

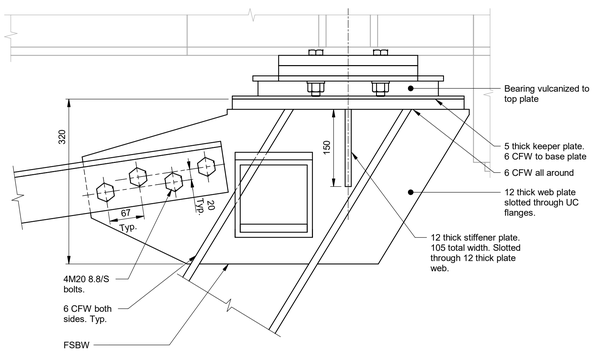


Section 5 — Scale 1 : 10 — ST-0317

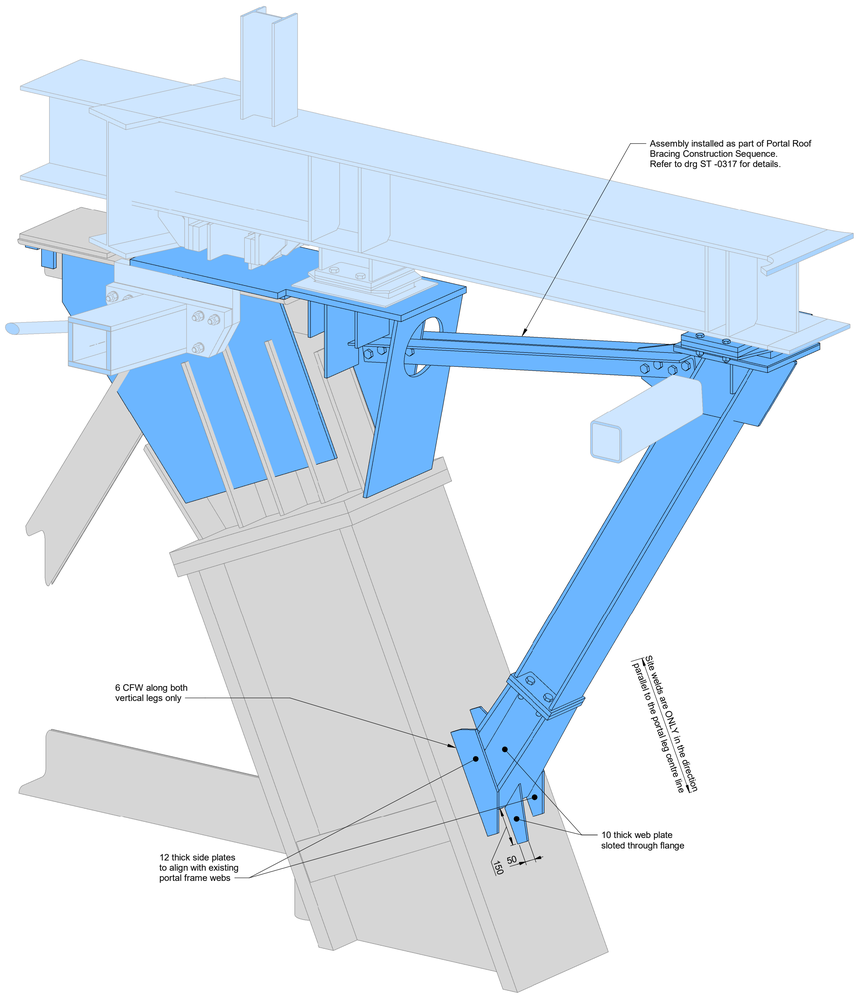
Notes:
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Steel Framing Schedule - Portal Frame

Type	Mark	Size
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Angle	B10F	100x100x10EA
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FAB	200RH12	200x140x12tw x 20tf FAB RHS
FAB	200SH20	200x200x20tw x 20tf FAB SHS
SHS	B8H	89x89x5.0SHS
SHS	B15AR	150x150x10.0SHS
Tie	HB1	M48 Macalloy Bar 460
Tie	HB2	M36 Macalloy Bar 460
Tie	HB3	M24 Macalloy Bar 460
UC	B20G	200UC59.3
UC	B25D	250UC72.9
UC	B31D	310UC96.8



Detail A1 — Scale 1 : 5 — ST-0317



Portal Frame Flying Strut

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Issue	Description	Drwn	Aprvd	Date
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0 10 20 30 40 50 60 70 80 90 100 MILLIMETRES ON ORIGINAL

Key
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As indicated @ B1

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Location

Status: For Tender
Contract: BDM-168
Dwn CKM | Date 15/02/2019 5:36:26 PM
Ckd Checker | Scale As indicated @ B1

Project: Building Renewal Project Concert Hall
Title: Portal Frame - Sections and Details - Sheet 2

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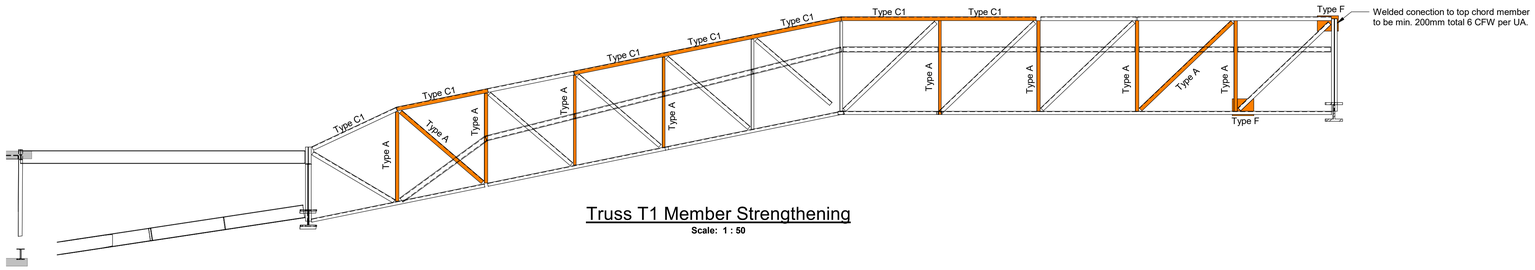
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Location	Drawing No:	Sheet:	Rev:	
CH	29-BR-AR201	ST-0317	A	B1

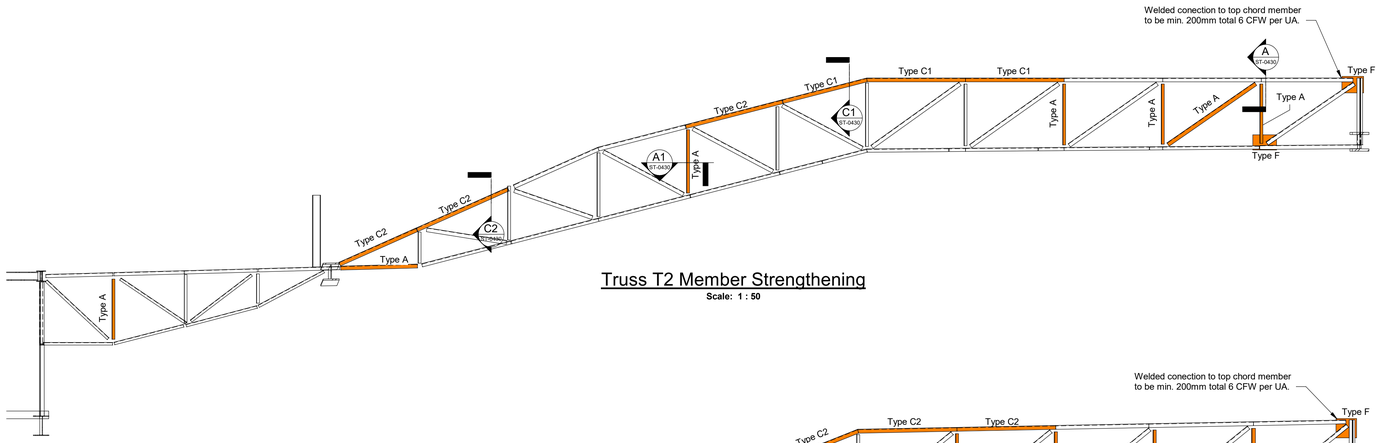
Truss Strengthening Legend

Type A	Denotes strengthening of member by installing/welding new angle of equal size on other side of gusset plate and battening to original member.
Type B	Denotes extra welded plates or brace(s) required to strengthen member.
Type C	Denotes strengthening of member by installing new Tees to increase bending capacity.
Type D	Denotes members where bottom chord doesn't have required tensile capacity. Strengthen by welding extra plates along extent shown to increase cross sectional area.
Type E	Denotes members where top chord buckles horizontally. Require new pipe along the top chord
Type F	Denotes connections to be strengthened with a welded additional gusset plate
▲(xx)	Denotes location of assumed lateral restraint to top chord of truss with capacity of (xx)kN. Contractor to verify on site.

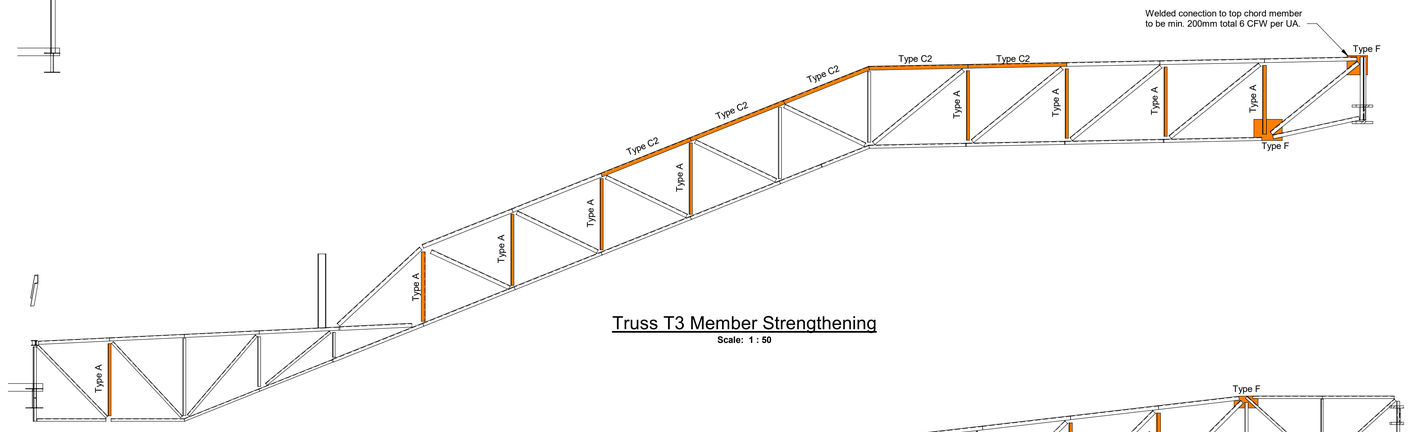
Notes:
1. This drawing is to be read in conjunction with the General Notes drawings ST-0010 & ST-0011.
2. Refer to drawings ST-0021 to ST-0032 for typical details.
3. All existing levels and other structural element dimensions to be confirmed on site, the engineer and architect are to be notified of any discrepencies before construction commences.
4. Strengthening applies to both east and west of indicated truss
5. Contractor to confirm min. length of total weld to vertical or diagonal is 250mm at any unstrengthened connection.



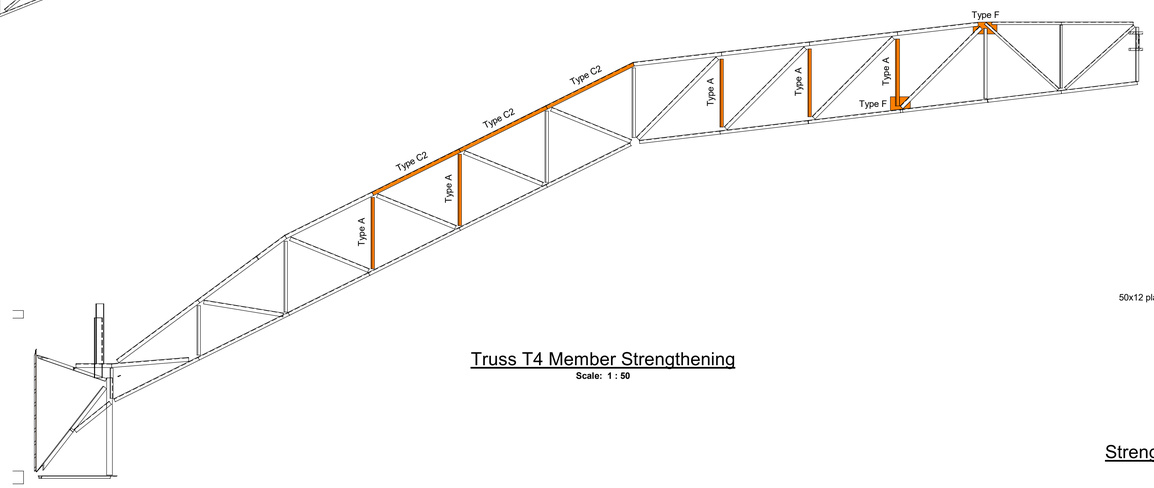
Truss T1 Member Strengthening
Scale: 1 : 50



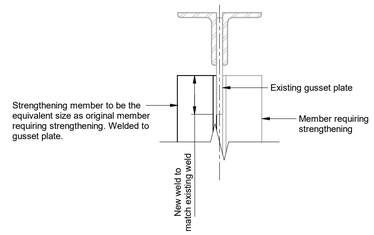
Truss T2 Member Strengthening
Scale: 1 : 50



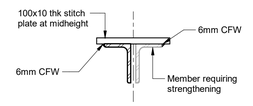
Truss T3 Member Strengthening
Scale: 1 : 50



Truss T4 Member Strengthening
Scale: 1 : 50

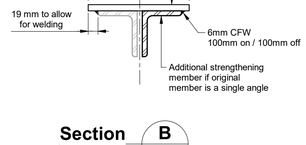


Section A — Scale 1 : 5 — ST-0430



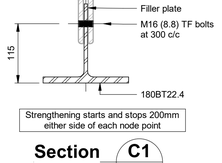
Section A1 — Scale 1 : 5 — ST-0430

Strengthening Type A Typical Detail



Section B — Scale 1 : 5 — ST-0432

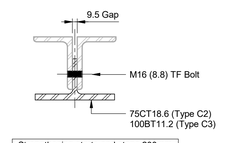
Strengthening Type B Typical Detail



Strengthening starts and stops 200mm either side of each node point

Section C1 — Scale 1 : 5 — ST-0430

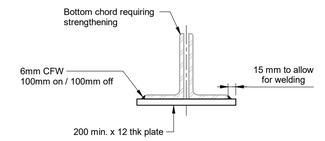
Top Chord Strengthening Type C1



Strengthening starts and stops 200mm either side of each node point

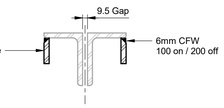
Section C2 — Scale 1 : 5 — ST-0430

Top Chord Strengthening Type C2 & C3



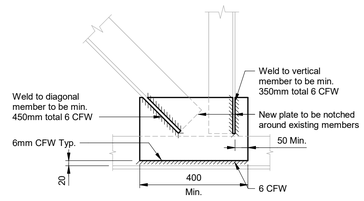
Section D — Scale 1 : 5 — ST-0432

Strengthening Type D Typical Detail



Section E — Scale 1 : 5 — ST-0431

Strengthening Type E Typical Detail



Bracing Connection - Strengthening - Type F

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Issue	Description	Drwn	Apvd	Date
01	50% Detail Design	KJC	PM	17/11/16
02	100% Detail Design	RB	PM	20/02/17
A	For Coordination	RB	PM	26/05/17
B	90% Coordination Issue	KE	PM	23/10/17
C	100% Tender Review Issue	CM	PM	20/12/17
D	For Tender	CM	PM	13/04/18
E	For Information	CM	PM	30/11/18
F	For Tender	CM	PM	15/02/19

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0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 3 4 5 6 7 8 9 10 MILLIMETRES ON ORIGINAL

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- Indicates existing member/connection to be strengthened

NORTH

As indicated @ B1 — 0 500 1000 1500 2000 2500 mm — 1:50

Note:
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2. Not all structural walls are shown, not all walls shown are structural.

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Location

Status: For Tender
Contract: BDM-168
Drwn: CKM — Date: 15/02/2019 5:33:56 PM
Ckd: KN — Scale: As indicated @ B1

Project: Building Renewal Project Concert Hall
Title: Ceiling Truss Strengthening - Sheet 1

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Phone: +61 2 9250 7541
email: info@sydneyoperahouse.com

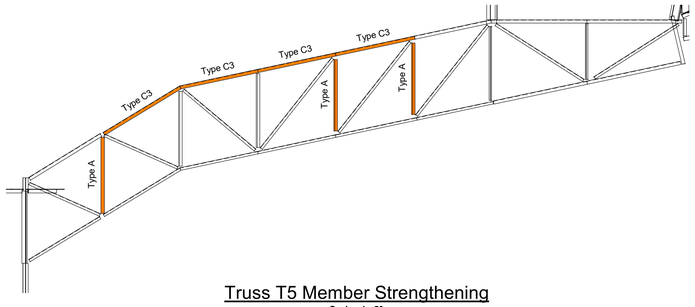
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Location	Drawing No:	Sheet:	Rev:	
CH VA	29-BR-AR201	ST-0430	F	B1

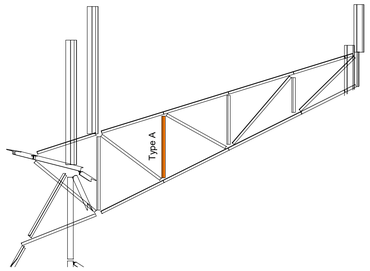
Truss Strengthening Legend

	Type A	Denotes strengthening of member by installing/welding new angle of equal size on other side of gusset plate and battening to original member.
	Type B	Denotes extra welded plates or brace(s) required to strengthen member.
	Type C	Denotes strengthening of member by installing new Tees to increase bending capacity.
	Type D	Denotes members where bottom chord doesn't have required tensile capacity. Strengthen by welding extra plates along extent shown to increase cross sectional area.
	Type E	Denotes members where top chord buckles horizontally. Require new pipe along the top chord
	Type F	Denotes connections to be strengthened with a welded additional gusset plate
▲(xx)		Denotes location of assumed lateral restraint to top chord of truss with capacity of (xx)kN. Contractor to verify on site.

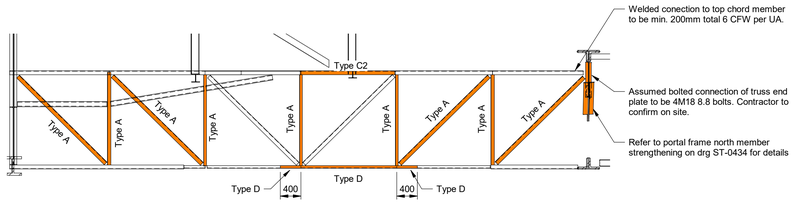
Notes:
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2. Refer to drawings ST-0021 to ST-0032 for typical details.
3. All existing levels and other structural element dimensions to be confirmed on site, the engineer and architect are to be notified of any discrepencies before construction commences.
4. Strengthening applies to both east and west of indicated truss
5. Contractor to confirm min. length of total weld to vertical or diagonal is 250mm at any unstrengthened connection.



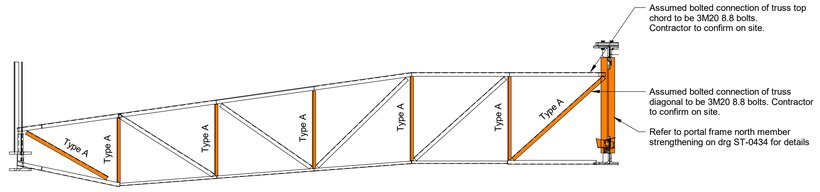
Truss T5 Member Strengthening
Scale: 1 : 50



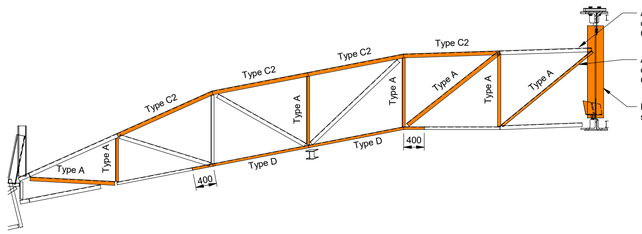
Truss T6 Member Strengthening
Scale: 1 : 50



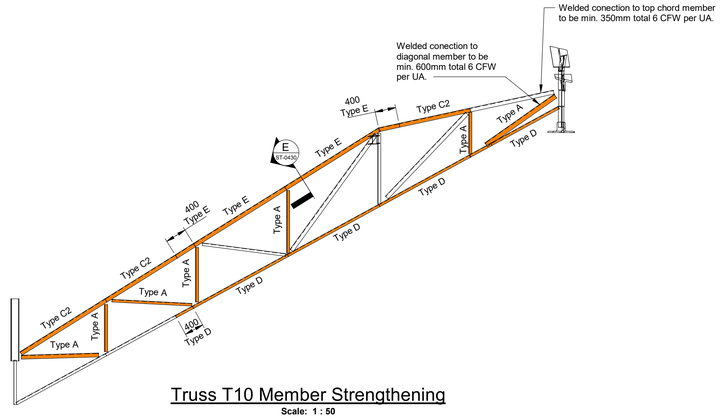
Truss T7 Member Strengthening
Scale: 1 : 50



Truss T8 Member Strengthening
Scale: 1 : 50



Truss T9 Member Strengthening
Scale: 1 : 50



Truss T10 Member Strengthening
Scale: 1 : 50

All drawings are to be printed
IN COLOUR

Issue	Description	Drwn	Apvd	Date
01	50% Detail Design	KJC	PM	17/11/16
02	100% Detail Design	RB	PM	20/02/17
A	For Coordination	RB	PM	26/05/17
B	85% Coordination Issue	KE	PM	23/10/17
C	100% Tender Review Issue	CM	PM	20/12/17
D	For Tender	CM	PM	13/04/18
E	For Information	CM	PM	30/11/18
F	For Tender	CM	PM	15/02/19

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0 0 0 0 0 0 0 0 0 0 0 0
1 2 3 4 5 6 7 8 9 10
MILLIMETRES ON ORIGINAL

Key
- Indicates existing structure
- Indicates existing structure to be demolished
- Indicates a tie beam location
- Indicates new structure
- Indicates existing member/connection to be strengthened

NORTH

As indicated @ B1 — 0 500 1000 1500 2000 2500 mm — 1:50

Note:
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Location

Status: For Tender
Contract: BDM-168
Dwn CKM | Date 15/02/2019 5:34:02 PM
Ckd XN | Scale As indicated @ B1

Project: Building Renewal Project Concert Hall
Title: Ceiling Truss Strengthening - Sheet 2

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email: info@sydneyoperahouse.com

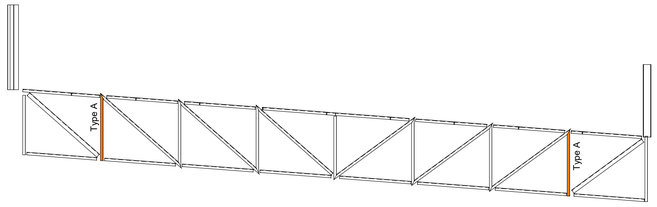
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Location	Drawing No:	Sheet:	Rev:	
CH VA	29-BR-AR201	ST-0431	F	B1

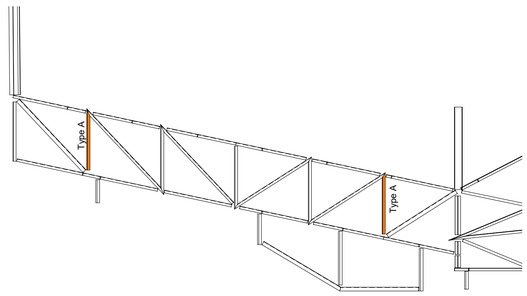
Notes:
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4. Strengthening applies to both east and west of indicated truss
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Truss Strengthening Legend

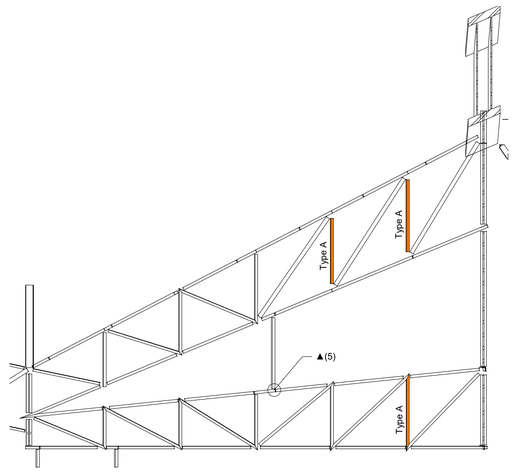
Type A	Denotes strengthening of member by installing/welding new angle of equal size on other side of gusset plate and battening to original member.
Type B	Denotes extra welded plates or brace(s) required to strengthen member.
Type C	Denotes strengthening of member by installing new Tees to increase bending capacity.
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Type F	Denotes connections to be strengthened with a welded additional gusset plate
▲(xx)	Denotes location of assumed lateral restraint to top chord of truss with capacity of (xx)kN. Contractor to verify on site.



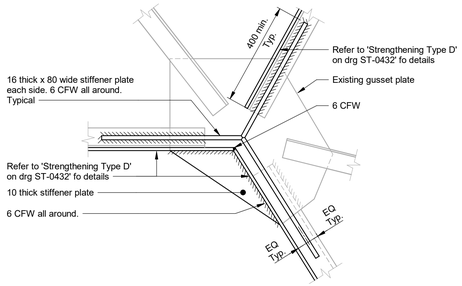
Truss T13 Member Strengthening
Scale: 1 : 50



Truss T15 Member Strengthening
Scale: 1 : 50

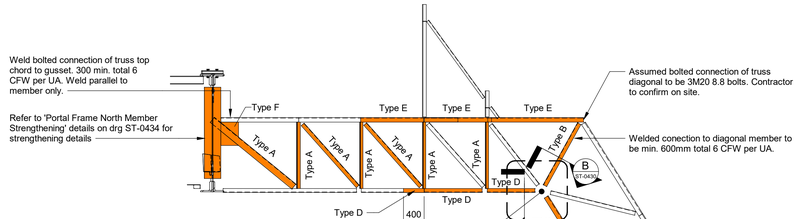


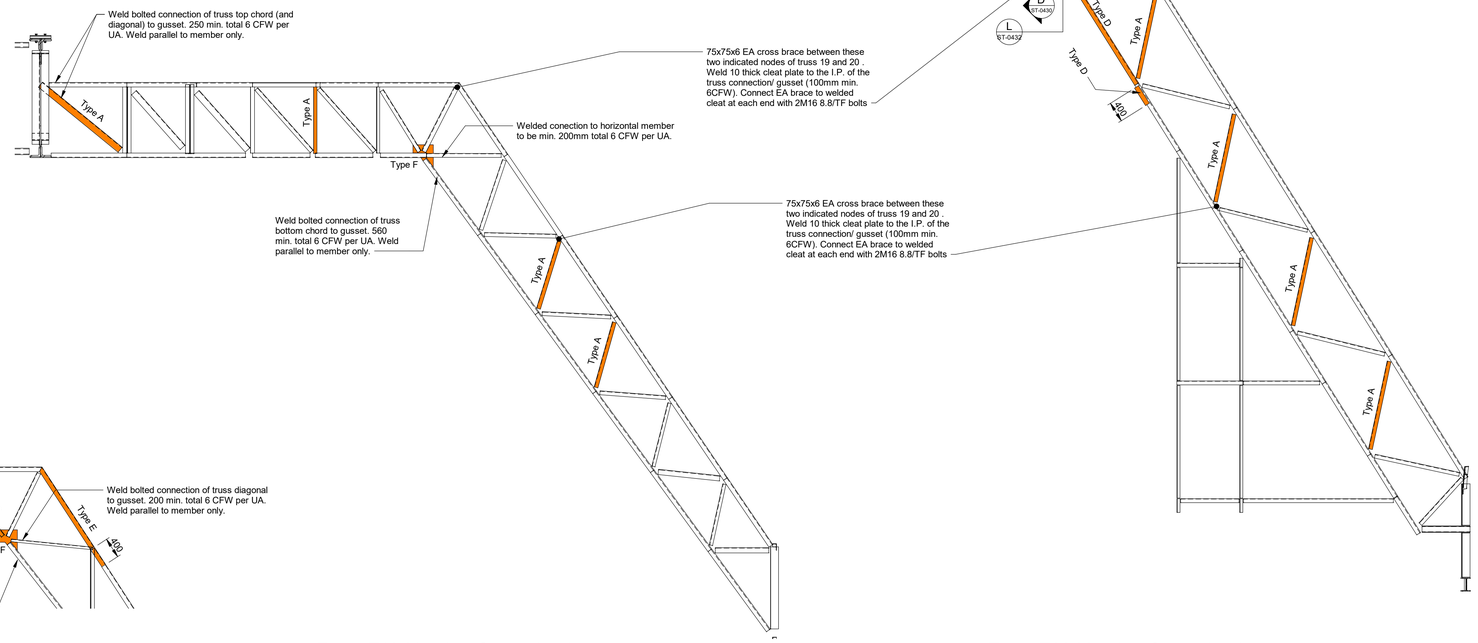
Truss T17 Member Strengthening
Scale: 1 : 50

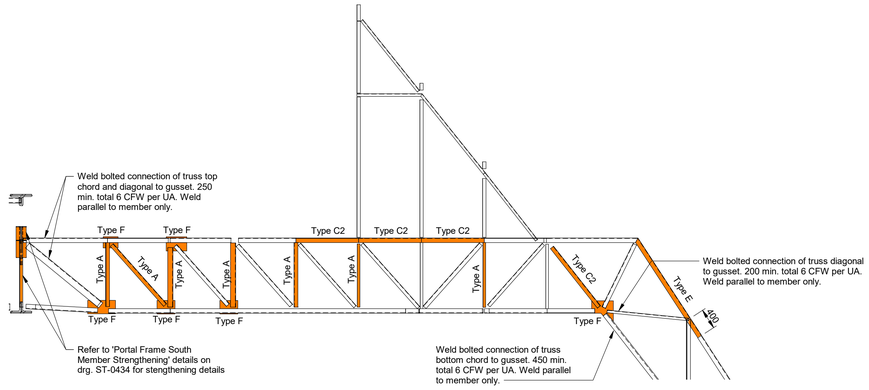


Detail L (ST-0432)
Scale 1 : 10

Bracing Connection - Strengthening - Type F







Truss T18 Member Strengthening
Scale: 1 : 50

Truss T19 Member Strengthening
Scale: 1 : 50

Truss T20 Member Strengthening
Scale: 1 : 50

All drawings are to be printed IN COLOUR

Issue	Description	Drwn	Aprvl	Date
01	50% Detail Design	KJC	PM	17/11/16
02	100% Detail Design	RB	PM	20/02/17
A	For Coordination	RB	PM	28/05/17
B	85% Coordination Issue	KE	PM	23/10/17
C	100% Tender Review Issue	CM	PM	20/12/17
D	For Tender	CM	PM	13/04/18
E	For Information	CM	PM	30/11/18
F	For Tender	CM	PM	15/02/19

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0 0 0 0 0 0 0 0 0 0 0 100 MILLIMETRES ON ORIGINAL

Key
- Indicates existing structure
- Indicates existing structure to be demolished
- Indicates a tie beam location
- Indicates new structure
- Indicates existing member/connection to be strengthened

NORTH

As indicated @ B1 — 1:50 — 0 500 1000 1500 2000 2500 mm

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Location

Status	For Tender
Contract	BDM-168
Dwn CKM	Date 15/02/2019 5:34:22 PM
Ckd XN	Scale As indicated @ B1

Project: Building Renewal Project Concert Hall

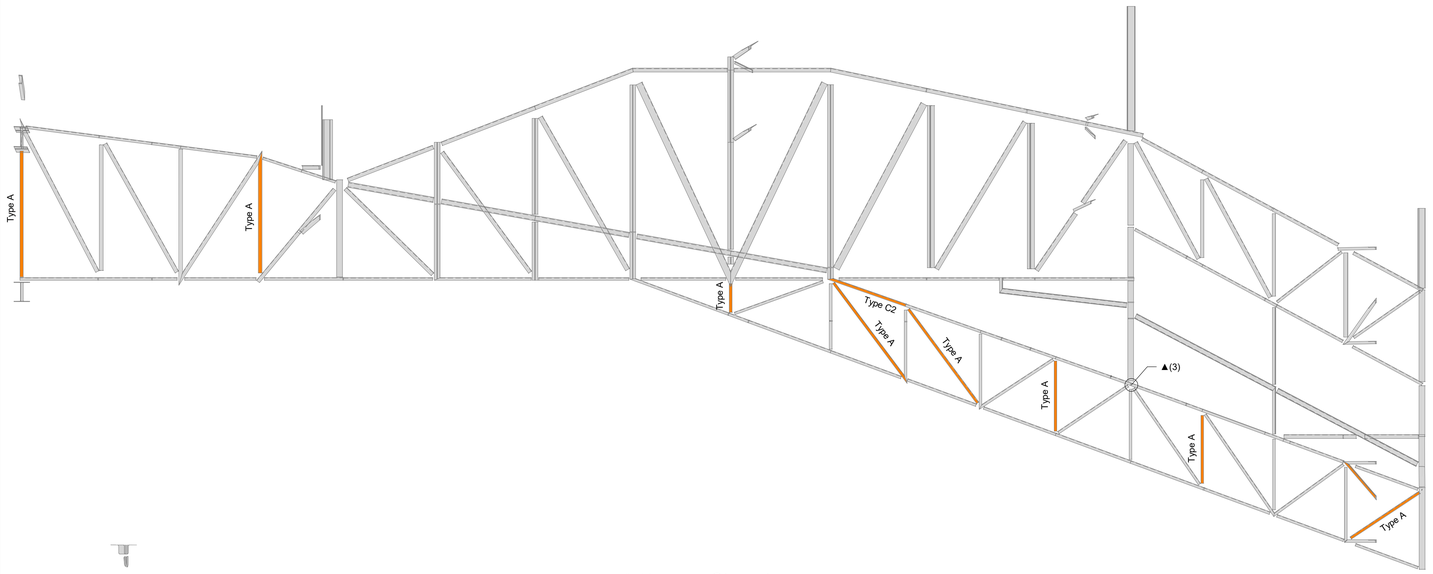
Title: Ceiling Truss Strengthening - Sheet 3

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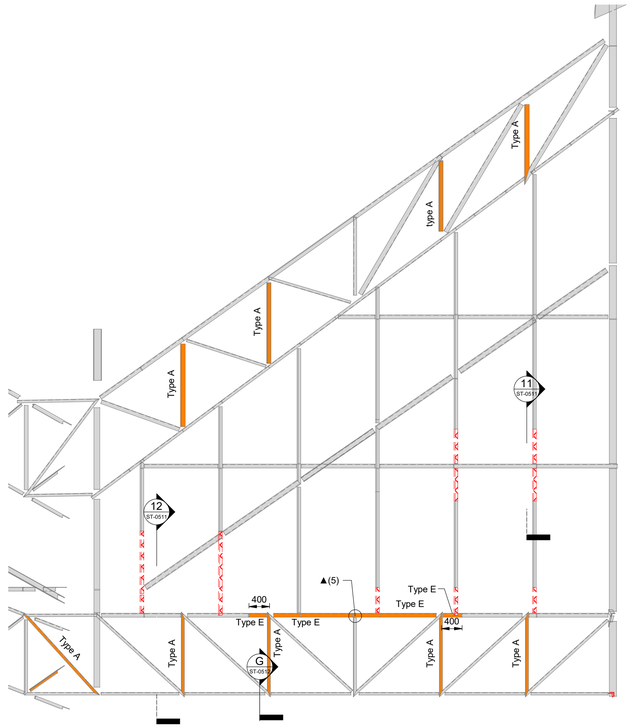
Location	Drawing No:	Sheet:	Rev:	
CH VA	29-BR-AR201	ST-0432	F	B1

Notes:
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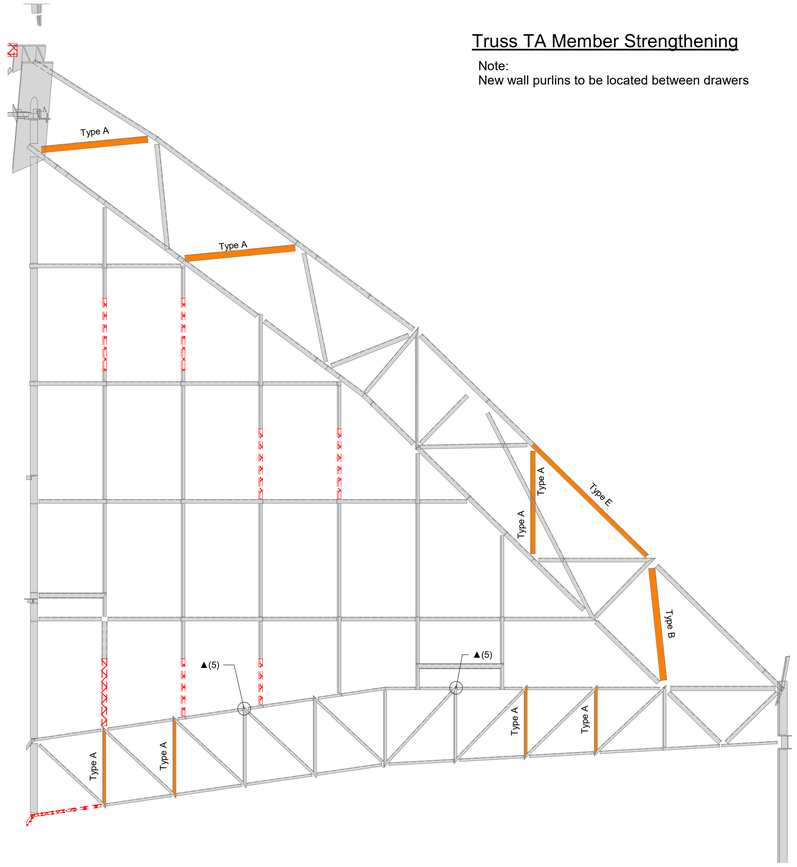
Truss TA Member Strengthening

Note:
New wall purlins to be located between drawers



Truss TB Member Strengthening

Scale: 1 : 50



Truss TC Member Strengthening

All drawings are to be printed IN COLOUR

Truss Strengthening Legend

Type A	Denotes strengthening of member by installing/welding new angle of equal size on other side of gusset plate and battening to original member.
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Type F	Denotes connections to be strengthened with a welded additional gusset plate
▲(xx)	Denotes location of assumed lateral restraint to top chord of truss with capacity of (xx)kN. Contractor to verify on site.

Issue	Description	Drwn	Aprvd	Date
01	50% Detail Design	KJC	PM	17/11/16
02	100% Detail Design	RB	PM	20/02/17
A	For Coordination	RB	PM	29/05/17
B	85% Coordination Issue	KE	PM	23/10/17
C	100% Tender Review Issue	CM	PM	20/12/17
D	For Tender	CM	PM	13/04/18
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F	For Tender	CM	PM	15/02/19

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Key
- Indicates existing structure
- Indicates existing structure to be demolished
- Indicates a tie beam location
- Indicates new structure
- Indicates existing member/connection to be strengthened

NORTH

As indicated @ B1
0 500 1000 1500 2000 2500 mm
1:50

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Location

Status: For Tender
Contract: BDM-168
Dwn: CKM | Date: 15/02/2019 5:34:12 PM
Ckd: XN | Scale: As indicated @ B1

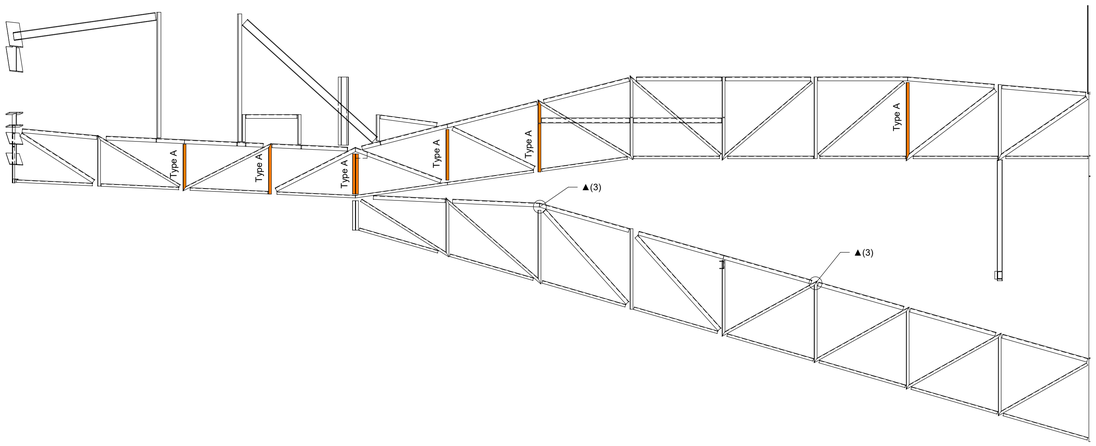
Project: Building Renewal Project
Concert Hall

Title: Ceiling Truss Strengthening - Sheet 4

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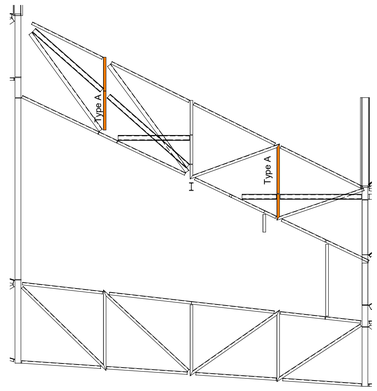
Location	Drawing No:	Sheet:	Rev:	
CH VA	29-BR-AR201	ST-0433	F	B1

0 0 0 0 0 0 0 0 0 0 0 0 MILLIMETRES ON ORIGINAL



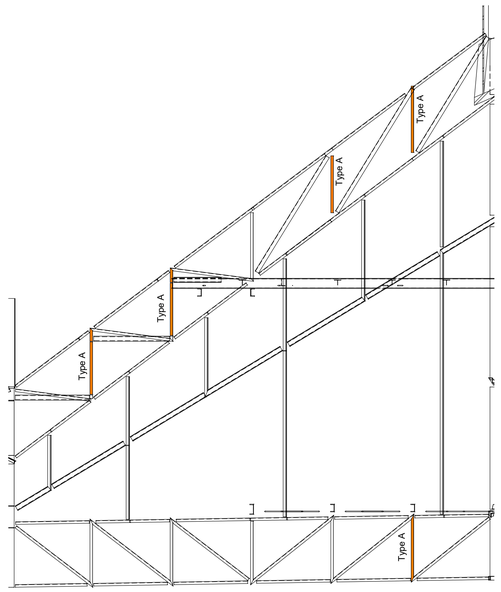
Truss T11 Member Strengthening

Scale: 1 : 50



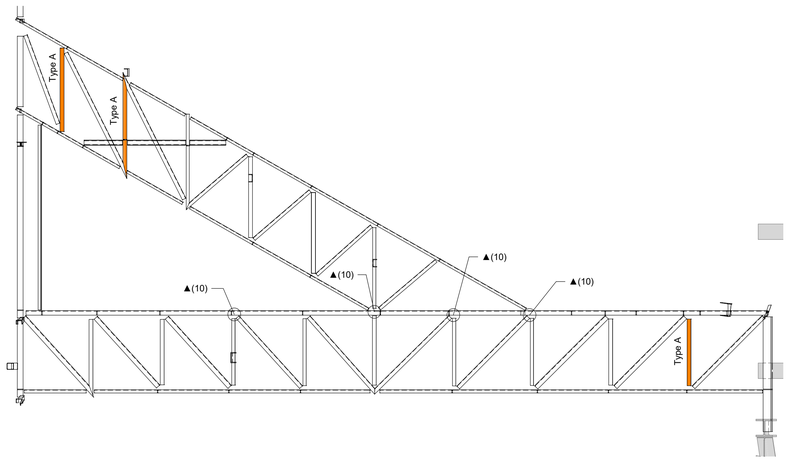
Truss T14 Member Strengthening

Scale: 1 : 50



Truss T16 Member Strengthening

Scale: 1 : 50



Truss T21 Member Strengthening

Scale: 1 : 50

Truss Strengthening Legend

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Issue	Description	Drwn	Aprvd	Date
01	100% Detail Design	RB	PM	20/02/17
A	For Coordination	RB	PM	28/05/17
B	85% Coordination Issue	KE	PM	23/10/17
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Sydney, NSW, 2000
Tel +61(0)2/9320 9320 Fax +61(0)2/9320 9321
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0 0 0 0 0 0 0 0 0 0 0 0 MILLIMETRES ON ORIGINAL

Key
- Indicates existing structure
- Indicates existing structure to be demolished
- Indicates a tie beam location
- Indicates new structure
- Indicates existing member/connection to be strengthened

As indicated @ B1 — 0 500 1000 1500 2000 2500 mm — 1:50

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Location

Status: For Tender

Contract: BDM-168

Dwn CKM | Date 15/02/2019 5:34:27 PM

Ckd Checker | Scale As indicated @ B1

Project: Building Renewal Project Concert Hall

Title: Ceiling Truss Strengthening - Sheet 5

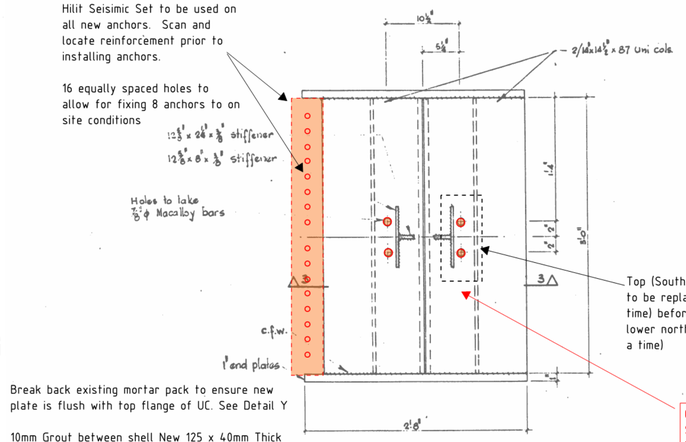
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Location	Drawing No:	Sheet:	Rev:
CH	29-BR-AR201	ST-0434	F B1

8No. HST3 M20 Hilti Anchors Hilit Seisimic Set to be used on all new anchors. Scan and locate reinforcement prior to installing anchors.

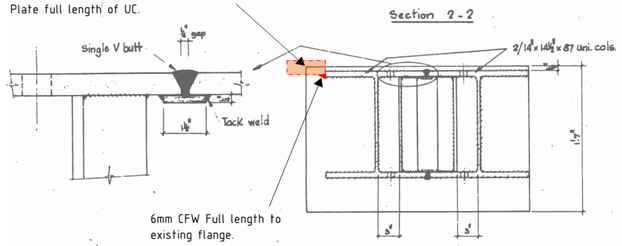
16 equally spaced holes to allow for fixing 8 anchors to on site conditions



Top (Southern) Macalloy Bars to be replaced (one at a time) before replacing the lower northern two (one at a time)

Break back existing mortar pack to ensure new plate is flush with top flange of UC. See Detail Y

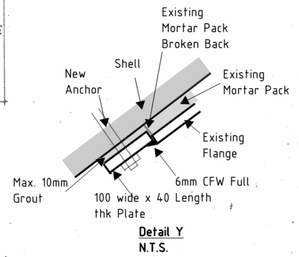
10mm Grout between shell New 125 x 40mm Thick Plate full length of UC.



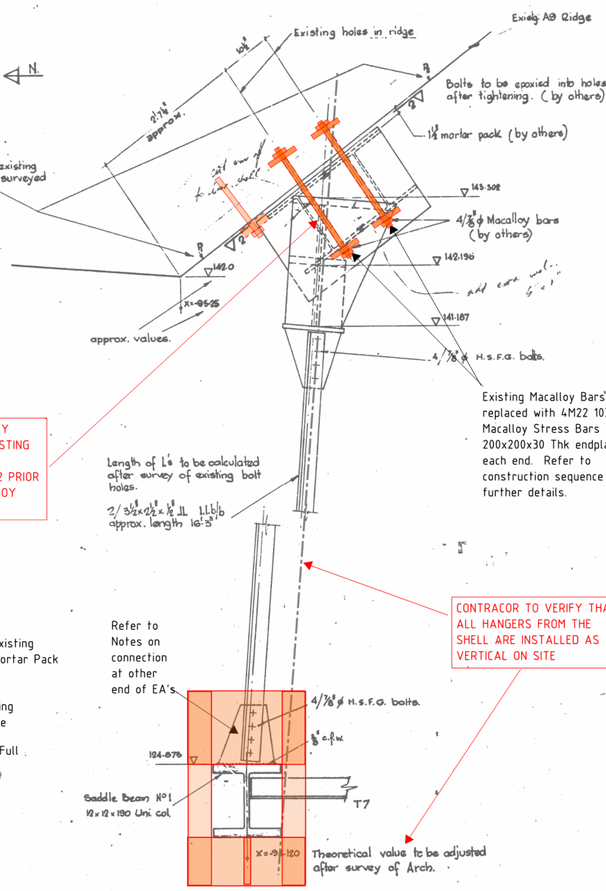
Section 2 - 2

Section 3 - 3

Scale 1½" = 1'-0"



Detail Y
N.T.S.

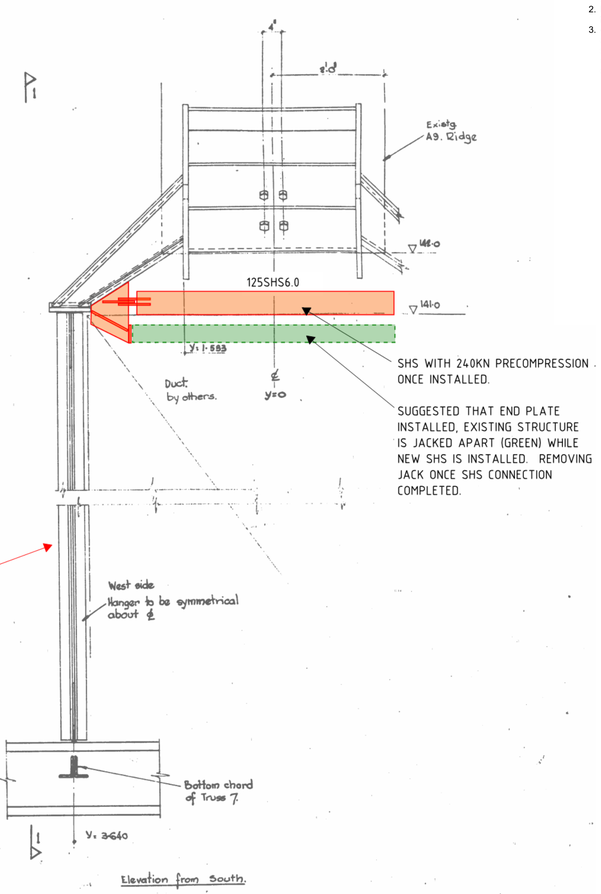


CONTRACTOR TO VERIFY STRENGTH OF ALL EXISTING MACALLOY BARS IS A MINIMUM OF 800•N/MM2 PRIOR TO REPLACING MACALLOY BARS.

CONTRACOR TO VERIFY THAT ALL HANGERS FROM THE SHELL ARE INSTALLED AS VERTICAL ON SITE

Section 1 - 1

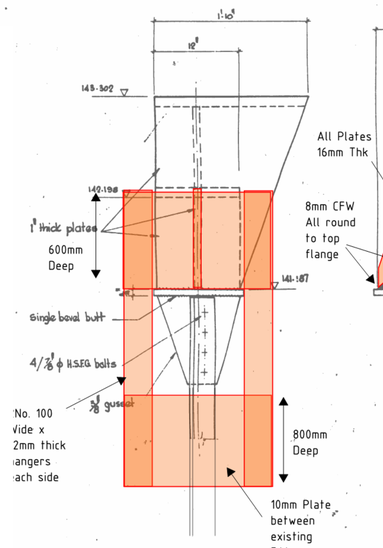
Scale 1" = 1'-0"

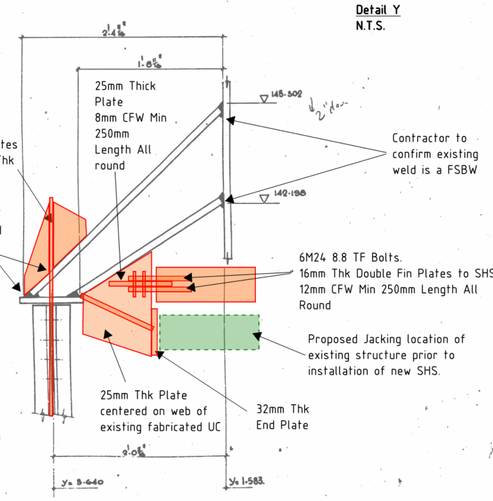


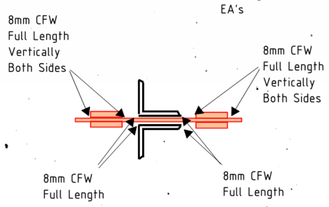
SHS WITH 240KN PRECOMPRESSION ONCE INSTALLED.

SUGGESTED THAT END PLATE INSTALLED, EXISTING STRUCTURE IS JACKED APART (GREEN) WHILE NEW SHS IS INSTALLED. REMOVING JACK ONCE SHS CONNECTION COMPLETED.

Elevation from South.







CONNECTION DETAIL FOR SADDLE BEAM Nº 1. ARCH A7/9. See dwg 6142.

1 OFF.

SEQUENCING NOTES:

1. ASSUMED THAT THIS STRENGTHENING IS UNDERTAKEN **PRIOR** TO ANY ADDITIONAL DEAD LOADS BEING ADDED TO THE EXISTING ROOF STRUCTURE. IT IS ASSUMED THAT THERE IS NO LIVE LOAD ON THE ROOF
2. CONTRACTOR TO VERIFY STRENGTH OF EXISTING MACALLOY BARS
3. SHEAR STRENGTHENING TO BE INSTALLED
4. TOP (SOUTHERN) MACALLOY BARS TO BE REPLACED, ONLY REMOVNIG A MAX OF ONE AT A TIME.
5. BOTTOM (NORTHERN) MACALLOY BARS TO BE REPLACED, ONLY REMOVNIG A MAX OF ONE AT A TIME.
6. INSTALLATION OF BOTTOM STRUT WITH PRECOMPRESSION
7. STRENGTHENING OF HANGER CONNECTIONS.

WORK IN PROGRESS

NOT FOR CONSTRUCTION

Notes:
1. This drawing is to be read in conjunction with the General Notes drawings ST-0010 & ST-0011.
2. Refer to drawings ST-0021 to ST-0032 for typical details.
3. All existing levels and other structural element dimensions to be confirmed on site, the engineer and architect are to be notified of any discrepencies before construction commences.

Notes
For general notes refer to dwg. Nº 1112/G101.
Refer also to dwg Nº 1112/6124, 6142, 6143, 6144.-

All drawings are to be printed IN COLOUR

Issue	Description	Drwn	Aprvd	Date
A	For Tender	CM	PM	15/02/19

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MILLIMETRES ON ORIGINAL

Key
- Indicates existing structure
- Indicates existing structure to be demolished
- Indicates a tie beam location
- Indicates new structure
- Indicates existing member/connection to be strengthened

1:1 @ B1

Note:
1. These drawings have been based on the Opera House Central Revit Model which is of unknown accuracy.
2. Not all structural walls are shown, not all walls shown are structural.

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Location

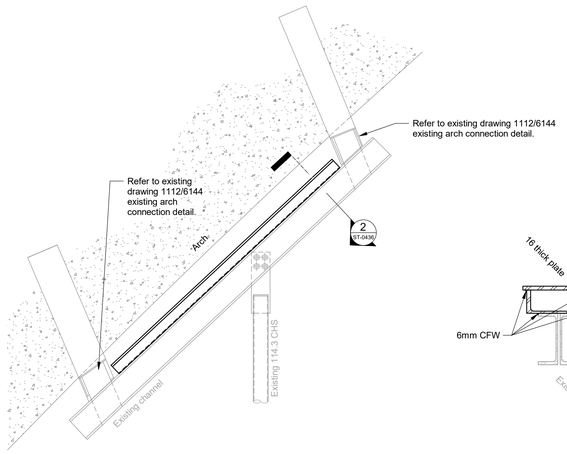
Status: For Tender
Contract: BDM-168
Dwn: CM Author | Date: 15/02/2019 5:40:00 PM
Ckd: Checker | Scale: 1:1 @ B1

Project: Building Renewal Project Concert Hall
Title: Octopus Strengthening Details

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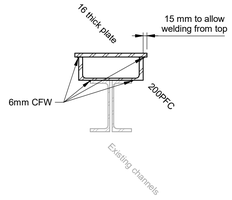
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Location	Drawing No:	Sheet:	Rev:
CH	29-BR-AR201	ST-0435	A	B1

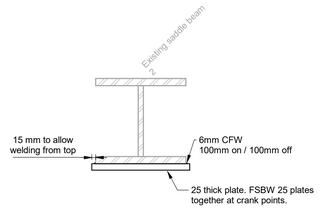


Type X

Truss to Arch Strengthening Detail

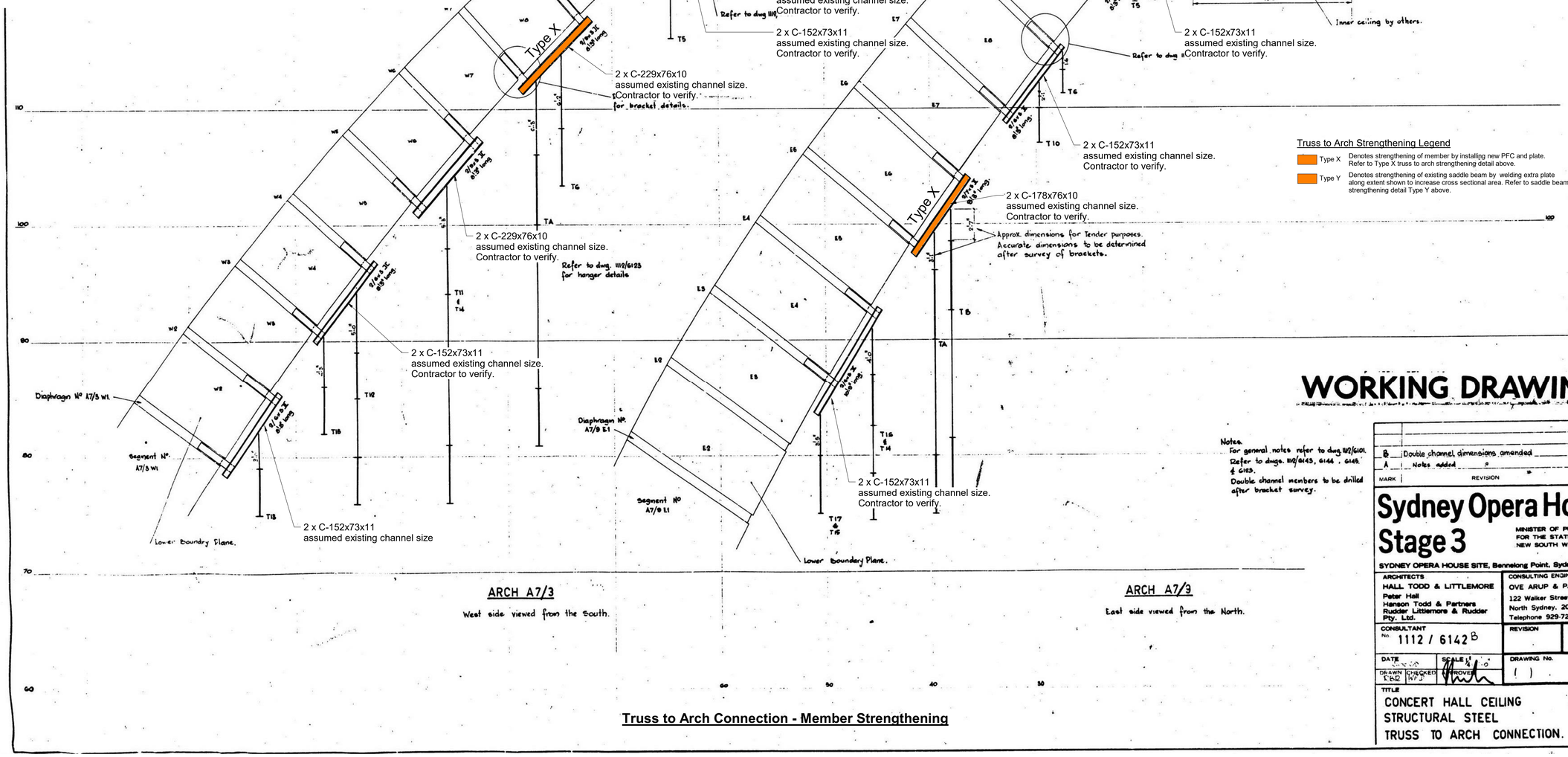


Section 2 ST-0436
Scale 1 : 10



Saddle Beam Strengthening Detail Type M

Notes:-
1. This drawing is to be read in conjunction with the General Notes drawings ST-0010 & ST-0011.
2. Refer to drawings ST-0021 to ST-0032 for typical details.
3. All existing levels and other structural element dimensions to be confirmed on site, the engineer and architect are to be notified of any discrepencies before construction commences.
4. Strengthening applies to both east and west.



Truss to Arch Strengthening Legend

Type X	Denotes strengthening of member by installing new PFC and plate. Refer to Type X truss to arch strengthening detail above.
Type Y	Denotes strengthening of existing saddle beam by welding extra plate along extent shown to increase cross sectional area. Refer to saddle beam strengthening detail Type Y above.

Truss to Arch Connection - Member Strengthening

Notes.
For general notes refer to dwg 1112/6101.
Refer to dwgs. 1112/6143, 6144, 6145 & 6163.
Double channel members to be drilled after bracket survey.

MARK	REVISION	DATE	MADE BY
B	Double channel dimensions amended	17-7-69	H.N.
A	Notes added	19-6-69	R&R

WORKING DRAWING

Sydney Opera House Stage 3

MINISTER OF PUBLIC WORKS FOR THE STATE OF NEW SOUTH WALES

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CONSULTANT No. 1112 / 6142 B

REVISION | LEVEL

DATE | SCALE 1" = 1'-0" | DRAWING No. ( )

DRAWN E.S.D. | CHECKED W.F.J. | APPROVED

TITLE
CONCERT HALL CEILING
STRUCTURAL STEEL
TRUSS TO ARCH CONNECTION. SHEET 1

All drawings are to be printed IN COLOUR

Issue	Description	Drwn	Apvd	Date
A	For Tender	CM	PM	13/04/18
B	For Information	CM	PM	30/11/18
C	Tender Review Issue	CM	PM	11/01/19
D	For Tender	CM	PM	15/02/19

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MILLIMETRES ON ORIGINAL

Key
- Indicates existing structure
- Indicates existing structure to be demolished
- Indicates a tie beam location
- Indicates new structure
- Indicates existing member/connection to be strengthened

As indicated @ B1

Note:
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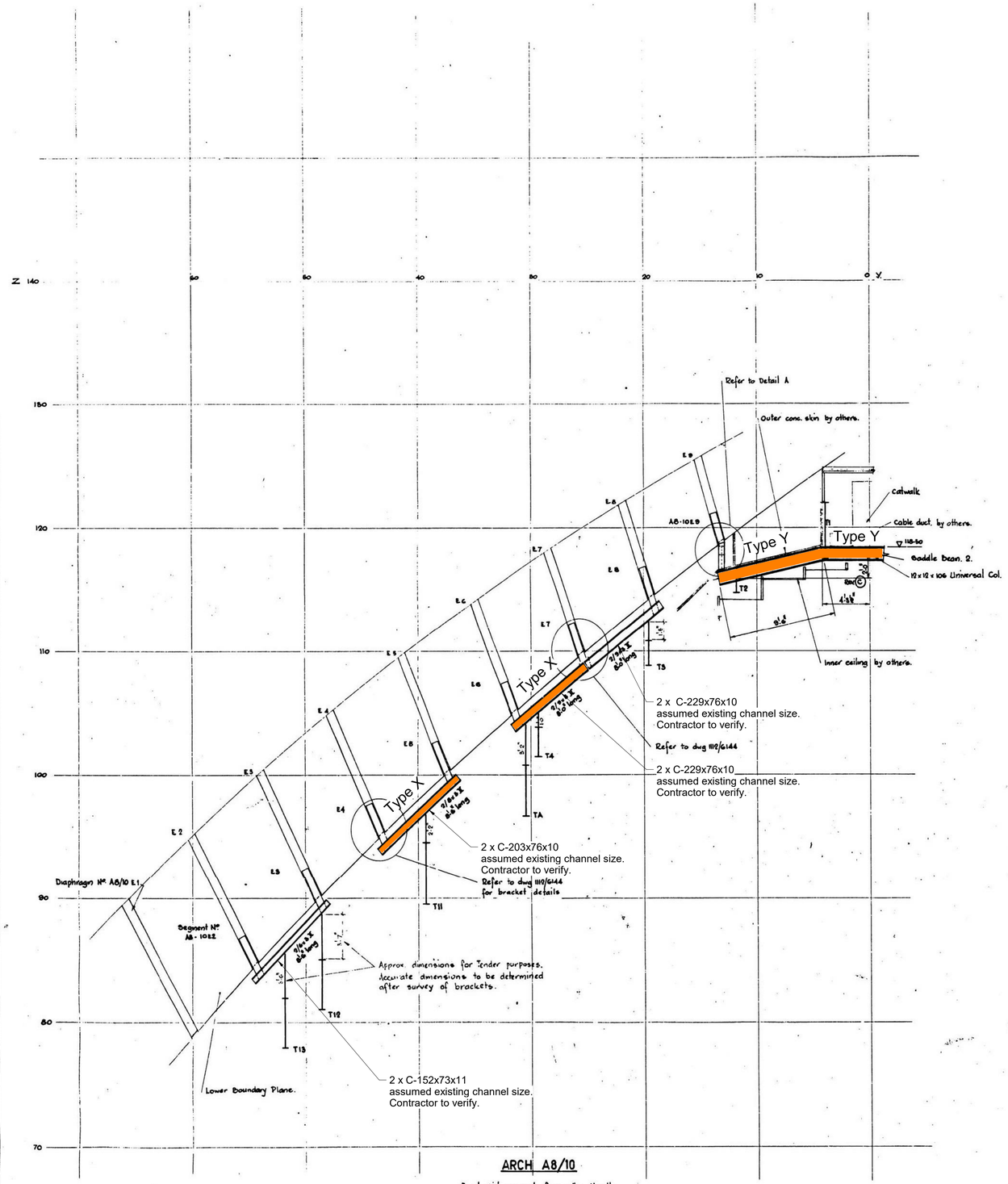
Location

Status: For Tender
Contract: BDM-168
Dwn CKM | Date 15/02/2019 5:36:04 PM
Ckd Checker | Scale As indicated @ B1

Project: Building Renewal Project Concert Hall
Title: Ceiling Strengthening Truss to Arch - Sheet 1

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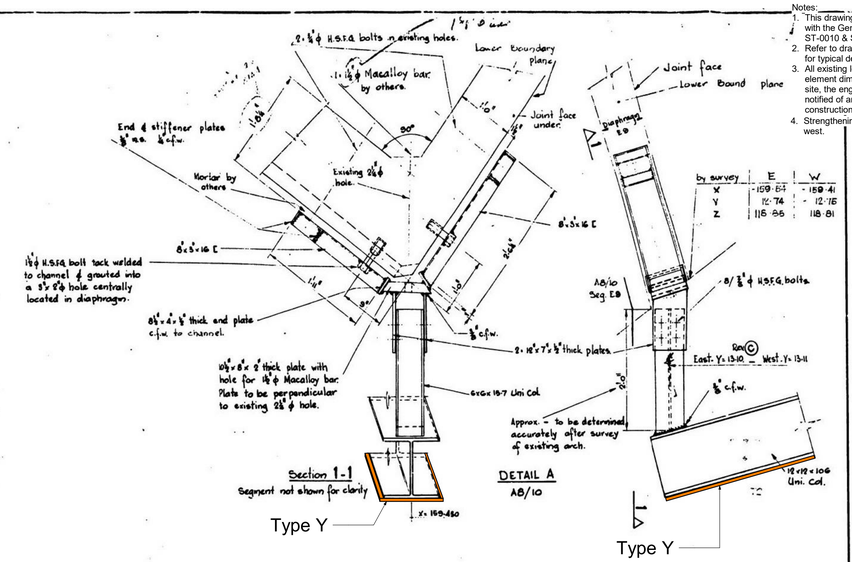
Location	Drawing No:	Sheet:	Rev:	
CH	29-BR-AR201	ST-0436	D	B1

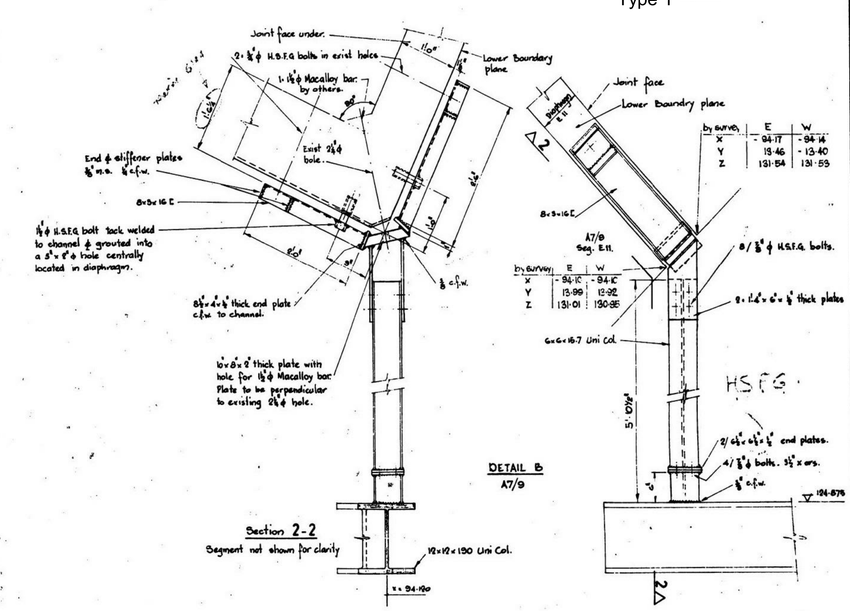


ARCH A8/10

East side viewed from the North.

Truss to Arch Connection - Member Strengthening





Notes:
1. This drawing is to be read in conjunction with the General Notes drawings - ST-0010 & ST-0011.
2. Refer to drawings ST-0021 to ST-0032 for typical details.
3. All existing levels and other structural element dimensions to be confirmed on site, the engineer and architect are to be notified of any discrepencies before construction commences.
4. Strengthening applies to both east and west.

Truss to Arch Strengthening Legend

- Type X — Denotes strengthening of member by installing new PFC and plate. Refer to Type X truss to arch strengthening detail on drg ST-0436
- Type Y — Denotes strengthening of existing saddle beam by welding extra plate along extent shown to increase cross sectional area. Refer to saddle beam strengthening detail type on drg ST-0436

Notes:
1. For general notes see dwg. No 1112/G101.
2. Refer also to dwgs. 1112/6125, 6148, 6144, 6145.
3. High Strength Friction Grip bolts to AS1511 shown as H.S.F.G.
4. Exact location & alignment of existing holes relative to Arch diaphragm to be checked by Hornibrooks prior to fabrication of brackets.
5. Double channels to be drilled after survey of brackets.

MARK	REVISION	DATE	MADE BY
C	Dim. altered & additional Y dim. to Vert Col. (detail A) added	10-8-19	RSR
B	Survey informations added	18-7-19	R.N.
A	Notes added	19-6-19	RSR

Sydney Opera House Stage 3

MINISTER OF PUBLIC WORKS FOR THE STATE OF NEW SOUTH WALES

SYDNEY OPERA HOUSE SITE, Bennelong Point, Sydney. 277731-8

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CONSULTANT No 1112 / 6143 C

REVISION | LEVEL

DATE Feb '19 | SCALE 1:1 & 1:10 | DRAWING No. ( )

DRAWN RER | CHECKED WJS | APPROVED

TITLE
CONCERT HALL CEILING
STRUCTURAL STEEL
TRUSS TO ARCH CONNECTION. SHEET 2

WORKING DRAWING

All drawings are to be printed IN COLOUR

Issue	Description	Drwn	Aprvd	Date
A	For Tender	CM	PM	13/04/18
B	For Information	CM	PM	30/11/18
C	Tender Review Issue	CM	PM	11/01/19
D	For Tender	CM	PM	15/02/19

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0 1 2 3 4 5 6 7 8 9 10
MILLIMETRES ON ORIGINAL

Key
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- Indicates existing structure to be demolished
- Indicates a tie beam location
- Indicates new structure
- Indicates existing member/connection to be strengthened

1:1 @ B1

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Location

Status: For Tender
Contract: BDM-168
Dwn CKM | Date 15/02/2019 5:36:06 PM
Ckd Checker | Scale 1:1 @ B1

Project: Building Renewal Project Concert Hall
Title: Ceiling Strengthening Truss to Arch - Sheet 2

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email: info@sydneyoperahouse.com

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Location: CH | Drawing No: 29-BR-AR201 | Sheet: ST-0437 | Rev: D | B1

LEGEND - DEMOLITION WORKS

CODE	DESCRIPTION
	DEMOLISHED AREA
	CAREFULLY REMOVE & RETAIN FOR RE-USE AREA
	CAREFULLY REMOVE & RETAIN FOR SOH AREA
	CAREFULLY REMOVE & RE-USE FOR THEATRE MACHINERY
	DEMOLISHED ELEMENT
	EXISTING WALL
	EXISTING SLAB OR FLOOR
	SLAB STEP
	CAREFULLY REMOVE DOOR & FRAME, RETAIN FOR RE-USE & MAKE GOOD SURFACE AFFECTED
	EXISTING SEAT
	SEATS CAREFULLY REMOVED, EXISTING HOLES MADE GOOD & RETAINED FOR THE SOH
	SEATS CAREFULLY REMOVED, EXISTING HOLES MADE GOOD, RETAINED & PROTECTED FOR RELOCATION AS INDICATED ON AS3## DRAWING SERIES
	SEATS CAREFULLY REMOVED, EXISTING HOLES MADE GOOD WHERE NECESSARY, RELOCATED TO NEW POSITIONS TO SUIT NEW FORSTAGE LIFT. REFER AS3## DRAWING SERIES
	CHOIR SEATS REMOVED, RETAINED & PROTECTED FOR RELOCATION AS INDICATED ON AS3## DRAWING SERIES
e	'ANYTHING PREFIXED WITH e DENOTES EXISTING'
C.O.S	CONFIRM ON SITE
TBC	TO BE CONFIRMED
RL	REDUCED OR RELATIVE LEVEL
AFFL	ABOVE FINISHED FLOOR LEVEL
eSSL 3700	EXISITNG STRUCTURAL SLAB LEVEL
eFFL 3700	EXISTING FINISHED FLOOR LEVEL
SSL 3700	STRUCTURAL SLAB LEVEL
FFL 3700	FINISHED FLOOR LEVEL
SE:	'ANYTHING PREFIXED WITH SE: REFER TO STRUCTURAL/FACADE ENGINEERS' DRAWINGS
ME:	'ANYTHING PREFIXED WITH ME: REFER TO MECHANICAL ENGINEERS' DRAWINGS
FE:	'ANYTHING PREFIXED WITH FE: REFER TO FIRE ENGINEERS' DRAWINGS
EE:	'ANYTHING PREFIXED WITH EE: REFER TO ELECTRICAL ENGINEERS' DRAWINGS
HE:	'ANYTHING PREFIXED WITH HE: REFER TO HYDRAULIC ENGINEERS' DRAWINGS
TS:	'ANYTHING PREFIXED WITH TS: REFER TO THEATER SPECIALISTS' DRAWINGS

GENERAL NOTES - DEMOLITION

1. CONTRACTOR & SUB-CONTRACTORS TO ALLOW TO MAKE GOOD ALL SUBSTRATE ELEMENTS & PREPARE SUBSTRATE TO ACCEPT NEW FITTINGS, FIXTURES & FINISHES.
2. MAKE GOOD ALL AFFECTED SURFACES & FINISHES INCLUDING ITEMS MARKED FOR REMOVAL &/OR RELOCATION
3. CONTRACTOR & SUB-CONTRACTORS TO VERIFY ALL DIMENSIONS & CONFIRM ON SITE CONDITIONS RELATING TO ALL DIMENSIONS PRIOR TO COMMENCEMENT - DO NOT SCALE FROM DRAWING
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ASSOCIATED SPECIFICATIONS, SCHEDULES & CONTRACT DOCUMENTS
5. EXTENT OF STRUCTURAL SLAB PENETRATIONS DEMOLITION IS INDICATIVE ONLY. CO-ORDINATE WITH STRUCTURAL DRAWINGS FOR FULLY EXTENT OF DEMOLITION
6. ALLOW TO SUITABLY PROTECT THE EXISTING HERITAGE FINISHES, WHERE THIS IS DEEMED IMPRACTABLE ALLOW TO CARRY OUT AUDITING/RECORDING & CAREFULLY REMOVE, PROTECT, STORE [ON SITE LOCATION] FOR REINSTALLATION AT LATER DATE
7. THE CONTRACTOR IS TO ALLOW TO SAND AND RE-FINISH ALL BRUSHBOX NOMINATED TO BE RE-USED IN WORKS

Issue	Description	Drwn	Apvd	Date
15	50% DESIGN DEVELOPMENT RE-ISSUE	JJF		25/11/2016
16	CONSULTANT CO-ORDINATION ISSUE	JJF		03/02/2017
17	100% DESIGN DEVELOPMENT ISSUE	JJF		20/02/2017
A	50% COORDINATION ISSUE	JJF		26/05/2017
C	95% COORDINATION ISSUE	PRB		20/10/2017
D	CONSULTANT COORDINATION ISSUE	PRB		17/11/2017
E	100% TENDER REVIEW ISSUE	PRB		20/12/2017
F	FOR TENDER	RB		06/04/2018
J	COORDINATION ISSUE	HF		29/11/2018
K	FOR TENDER REVIEW	HF		14/12/2018
L	FOR TENDER	AR		08/02/2019

0 10 20 30 40 50 60 70 80 90 100 MILLIMETRES ON ORIGINAL

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mail@armarchitecture.com.au
ABN 22 476 949 399
www.armarchitecture.com.au

LEGEND - SCOPE

(THIS LEGEND APPLIES TO ALL NEW CONSTRUCTION PHASE DRAWINGS. DOES NOT APPLY TO EXISTING CONDITIONS DRAWINGS)

- AREA SHOWN IN GREY WASH DEPICTS SCOPE OF NO NEW WORKS
- AREA SHOWN IN WHITE WASH DEPICTS SCOPE OF NEW WORKS
- AREA SURROUNDED BY GREEN DASHED LINES DEPICTS TENDER OPTION

SOHT GENERAL NOTES

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Location — North

Status: FOR TENDER

Contract: BDM-168

Dwn PRB Date 08/02/2019

Ckd AH Scale 1:100@ B1

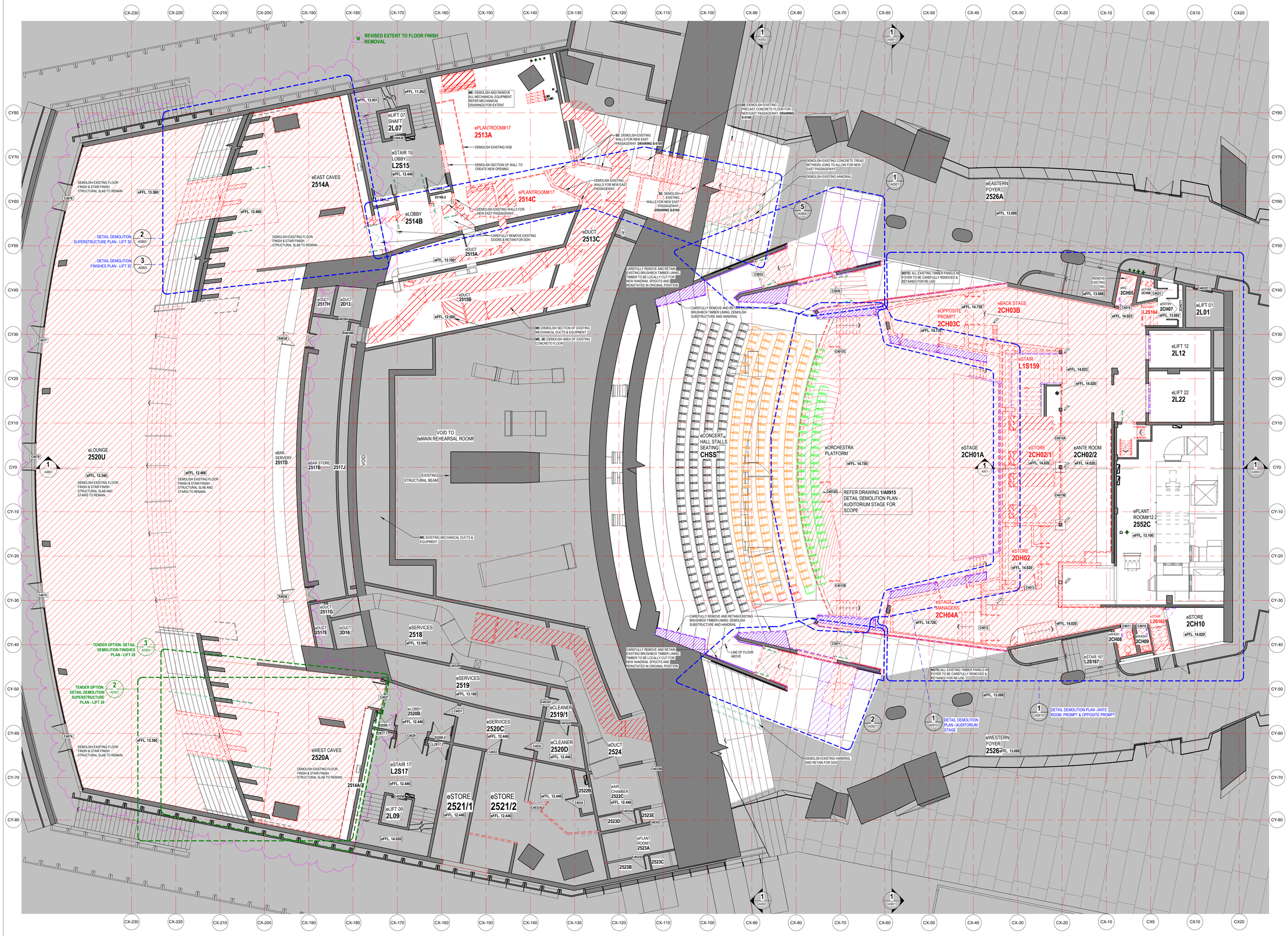
Project: BUILDING RENEWAL PROJECT - CONCERT HALL

Title: DEMOLITION PLAN - LEVEL 1 +30

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REVISED EXTENT TO FLOOR FINISH REMOVAL
eLIFT 07 SHAFT 2L07
eSTAIR 15 LOBBY L2S15
eLOBBY 2514B
eEAST CAVES 2514A
ePLANTROOM#17 2514C
ePLANTROOM#17 2513A
eDUCT 2513C
eDUCT 2515A
eDUCT 2515B
eDUCT 2517H
eDUCT 2D13
eLOUNGE 2520U
eBAR SERVERY 2517D
eBAR STORE 2517B
eDUCT 2517J
VOID
VOID TO eMAIN REHEARSAL ROOM
EXISTING STRUCTURAL BEAM
eCONCERT HALL STALLS SEATING CHSS
eORCHESTRA PLATFORM
eSTAGE 2CH01A
eSTORE 2CH02/1
eANTE ROOM 2CH02/2
eSTORE 2CH02
eSTAGE MANAGERS 2CH04A
eSTORE 2CH10
eEASTERN FOYER 2526A
eBACK STAGE 2CH03B
eOPPOSITE PROMPT 2CH03C
eLIFT 01 2L01
eLIFT 12 2L12
eLIFT 22 2L22
ePLANT ROOM#12.2 2552C
eWESTERN FOYER 2526
eWEST CAVES 2520A
eSTAIR 17 L2S17
eLIFT 09 2L09
eSTORE 2521/1
eSTORE 2521/2
eSERVICES 2518
eSERVICES 2519
eSERVICES 2520C
eCLEANER 2519/1
eCLEANER 2520D
eLOBBY 2520B
eAIR CHAMBER 2522C
eDUCT 2524
eDUCT 2516G
eDUCT 2516F
eDUCT 2516E
eDUCT 2516D
eDUCT 2516C
eDUCT 2516B
eDUCT 2516A
ePLANT ROOM 2523A
2523B
2523C
2523D
2523E
2522B
eWC 2CH05
eSTORE 2CH06
eENTRY 2CH07
eWASH 2CH08
eWASH 2CH09
eSTAIR L2S164
eSTAIR L2S162
eSTAIR 167 L2S167
REFER DRAWING 1/A0915 DETAIL DEMOLITION PLAN - AUDITORIUM STAGE FOR SCOPE
DEMOLISH EXISTING FLOOR FINISH & STAIR FINISH STRUCTURAL SLAB TO REMAIN.
DEMOLISH EXISTING FLOOR FINISH & STAIR FINISH STRUCTURAL SLAB AND STAIRS TO REMAIN.
DEMOLISH EXISTING WALLS FOR NEW EAST PASSAGEWAY.
DEMOLISH EXISTING HOB
DEMOLISH SECTION OF WALL TO CREATE NEW OPENING
DEMOLISH EXISTING HANDRAIL
DEMOLISH EXISTING CONCRETE TREAD BETWEEN JOINS TO ALLOW FOR NEW EAST PASSAGEWAY
CAREFULLY REMOVE EXISTING DOORS & RETAIN FOR SOH
CAREFULLY REMOVE AND RETAIN EXISTING BRUSHBOX TIMBER LINING. DEMOLISH TIMBER TO BE LOCALLY CUT FOR NEW HANDRAIL SPIGOTS AND REINSTATED IN ORIGINAL POSITION.
CAREFULLY REMOVE AND RETAIN EXISTING BRUSHBOX TIMBER LINING. DEMOLISH SUBSTRUCTURE AND HANDRAIL
LINE OF FLOOR ABOVE
DEMOLISH EXISTING HANDRAIL AND RETAIN FOR SOH
NOTE: ALL EXISTING TIMBER PANELS IN FOYER TO BE CAREFULLY REMOVED & RETAINED FOR RE-USE
ME: DEMOLISH AND REMOVE ALL MECHANICAL EQUIPMENT. REFER MECHANICAL DRAWINGS FOR EXTENT.
ME: DEMOLISH SECTION OF EXISTING MECHANICAL DUCTS & EQUIPMENT
ME, SE: DEMOLISH AREA OF EXISTING CONCRETE FLOOR
SE: DEMOLISH EXISTING WALLS FOR NEW EAST PASSAGEWAY DRAWING S-0100
SE: DEMOLISH EXISTING PRECAST CONCRETE FLOOR FOR NEW EAST PASSAGEWAY DRAWING S-0100
SE: DEMOLISH EXISTING WALLS FOR NEW EAST PASSAGEWAY DRAWING S-0100
DETAIL DEMOLITION SUPERSTRUCTURE PLAN - LIFT 30
DETAIL DEMOLITION FINISHES PLAN - LIFT 30
TENDER OPTION: DETAIL DEMOLITION FINISHES PLAN - LIFT 29
TENDER OPTION: DETAIL DEMOLITION SUPERSTRUCTURE PLAN - LIFT 29
DETAIL DEMOLITION PLAN - AUDITORIUM STAGE
DETAIL DEMOLITION PLAN - ANTE ROOM, PROMPT & OPPOSITE PROMPT
eFFL. 13.951
eFFL. 11.262
eFFL. 12.448
eFFL. 13.360
eFFL. 12.466
eFFL. 13.100
eFFL. 12.500
eFFL. 12.446
eFFL. 14.020
eFFL. 13.340
eFFL. 12.466
eFFL. 14.730
eFFL. 14.023
eFFL. 14.020
eFFL. 13.686
eFFL. 13.082
eFFL. 13.088
eFFL. 14.720
C4078
C4077
C4076
C4075
C4074
C4073
R4639A
R4639B
R4639C
R4639D
C4032C
C4032A
C4033A
C4033B
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CX-230 CX-220 CX-210 CX-200 CX-190 CX-180 CX-170 CX-160 CX-150 CX-140 CX-130 CX-120 CX-110 CX-100 CX-90 CX-80 CX-70 CX-60 CX-50 CX-40 CX-30 CX-20 CX-10 CX0 CX10 CX20
CY80 CY70 CY60 CY50 CY40 CY30 CY20 CY10 CY0 CY-10 CY-20 CY-30 CY-40 CY-50 CY-60 CY-70 CY-80
eMEETING ROOM 1532
eKITCHEN 1538D eFCL 12.143
eFEMALE WC 1530A
eOFFICE 1530E eFCL 11.560
eDUCT 1531C
eDUCT 1530C
eROOM 1531A
eROOM 1537C
eSTAIR LOBBY L1S15
eLIFT 7 SHAFT 1L07
eRM#45 1529C
eRM#47 1529B
eRM#46 1529A eFCL 11.274
eSTORE 1529D eFCL 11.274
eCORRIDOR 1539E eFCL 11.274
eCORRIDOR 1539A eFCL 11.370
eCORRIDOR 1539F eFCL 11.274
eSTORE 1539H/1
eOFFICE 1541D
eDUCT 1541C
eDUCT 1541A
eDUCT 1D13
eDUCT 1D11A
eDUCT 1D11B
eDUCT 1D11C
eLAUNDRY 1D11D
ROOM#53 L1.RM.1542
eDRESSING ROOM 58 1543A eFCL 11.270
eWC 1543B eFCL 11.270
1543E eFCL 11.270
eSHOWER 1543D
eAIRLOCK 1551B eFCL 11.270
eMALE PERFORMERS AMENITIES 1551A
eGREEN ROOM 1527A
eOFFICE 1528A/1
eTRAINING ROOM 1528A/2
eFIRST AID 1528D/1
eSERVERY 1527D
eSTORE 1527E/2
eSTORE 1527E/3
eCORRIDOR 1527T/
eLIFT 05 SHAFT 1L05
eSTORE 1528D/2
eDUCT L1.SD.1528B
eLOBBY 1528C
eSTAIR 87 L1S87
eSTAIR 89 L1S89
eLIFT 01 L1.L01
eDUCT L1.SD.1551C
eDUCT L1.SD.1551D
eDUCT L1.SD.1551F/1
eDUCT L1.SD.1551F/2
eAMENITIES L1.AM.1551E
eAMENITIES L1.AM.1554L
eAMENITIES L1.AM.1551E.1
eAMENITIES L1.AM.1554L.1
eFCL 11.900
eFCL 11.780
eFCL 11.752
1551F
1551J
1551H
eRAMP eFCL 11.490
eLOBBY 1552D
eLIFT 12 1L12
eLIFT 22 1L22
eOFFICE 1552F/2 eFCL 12.350
eFCL 12.300
eFCL 12.020
eFCL 12.030
eSTAIR 159 L1S159
eORCHESTRA ASSEMBLY ROOM 1552F/1
eLOCKER ROOM 1552F/3
ePLANT ROOM#12 1552C
PLANT ROOM #12 L1.PR.1552C
eSTORE 1552F/4
eDRESSING ROOM#59 1552A
eDRESSING ROOM #60 1552B
eDRESSING ROOM #61 1545B
eDRESSING ROOM #62 1545A
eCORRIDOR 1546A
eROOM#55 1546C
eEQUIPMENT ROOM 1546A1
ePLANT ROOM 1546B
eCORRIDOR L1.CO.1539D/2 eFCL 11.265
eCORRIDOR L1.CO.1544B
eMAIN REHEARSAL ROOM 1544
eSTAGE & REVOLVE G559B
eWINCHES 1540
eCORRIDOR 1539B eFCL 11.560
eOFFICE 1534/1
eOFFICE 1534/2
eOFFICE 1534/3
eOFFICE 1535/1
eOFFICE 1535/2
eOFFICE 1535/3
eOFFICE 1535/4
eOFFICE 1536/1
eOFFICE 1536/2
eOFFICE 1536/3
eOFFICE 1536/4
eOFFICE 1537A
eVOCO 1537B
eCEO OFFICE 1533A
Room 1533B
eAMENITIES 1533C
eAMENITIES 1533D
eAMENITIES 1533E
eSTAIR 35 GMS35
eSTAIR 36 GMS35
eSTAIR 17 L1S17
eSHOWER 1538E
eSHOWER 1538F
eMALE WC 1538B
1538A
1538B.1
1538B.2
eOFFICE 1538C eFCL 11.570
eOFFICE 1548
eOFFICE 1549
eOFFICE 1550A
eDRESSING ROOM 1550E eFCL 11.570
eWC 1550C eFCL 11.560
1550D eFCL 11.570
eDRESSING ROOM #76 1550F eFCL 11.570
eDRESSING ROOM #75 1556A eFCL 11.570
eDRESSING ROOM #74 1556B/1
eDRESSING ROOM #73 1556B/2
eDRESSING ROOM #72 1556C
eCORRIDOR 1555A/1 eFCL 12.140
eCORRIDOR 1555G/1
eAIRLOCK 1555G/2
eWC 1555D eFCL 11.550
eWC 1555D/2
eWC 1555G/3
eAIR LOCK 1556G/4
eSTORE 1550D/1
eSTORE 1555C
eSTORE 1555R
eSTORE 1555D/2
eSTORE 1555D/1
eAMENITIES 1555P/3
1555P/2
1555P/4
1555P/5
1555P/1
1555K
eDRESSING ROOM #71 1555L
eDUCT 1555N
eDUCT 1555M
eDUCT 1553J
eDUCT 1553H
eCORRIDOR 1553H/1
eCORRIDOR 1553H
eDUCT 1553D/1
eDUCT 1553C
eSTORE 1553F
eSTAIR 152 GMS152
eUNISEX ACCESSIBLE WC eFCL 11.800 1553G/1
eFEMALE PERFORMER AMENITIES 1553A
1553A.1
1553A.2
1553A.3
1553A.4
1553A.5
1553A.6
eMEETING ROOM 1553E
eSTAIR 88 L1S88
eLOBBY 1555E
STORE L1.ST.1555B eFCL 12.443
SERVICES L1.SD.1553G
SERVICES L1.SD.1553D
DUCT L1.SD.1553K
eWC 1545F
eWC 1545D
1545C
1545E
1545G
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1547D
eDUCT 1547F
eDUCT 1547B
eSTORE 1547C
eCORRIDOR 1539C eFCL 11.370
eCORRIDOR 1539E eFCL 11.260
eDUCT 1D16A
eDUCT 1D15A
eDUCT 1D15B
eDUCT 1D16B
eDUCT 1545
eDUCT 1539H/2
eROOM#55 1546C
eFCL 11.300
eFCL 11.290
eLOBBY 1553B
1552B/1
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eFCL 11.830
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eFCL 11.550
eFCL 11.550

LEGEND - DEMOLITION WORKS

CODE	DESCRIPTION
	DEMOLISHED AREA
	CAREFULLY REMOVE & RETAIN FOR RE-USE AREA
	CAREFULLY REMOVE & RETAIN FOR SOH AREA
	CAREFULLY REMOVE & RE-USE FOR THEATRE MACHINERY
	DEMOLISHED ELEMENT
	EXISTING WALL
	EXISTING SLAB OR FLOOR
	SLAB STEP
	CAREFULLY REMOVE DOOR & FRAME, RETAIN FOR RE-USE & MAKE GOOD SURFACE AFFECTED
	EXISTING SEAT
	SEATS CAREFULLY REMOVED, EXISTING HOLES MADE GOOD & RETAINED FOR THE SOH
	SEATS CAREFULLY REMOVED, EXISTING HOLES MADE GOOD, RETAINED & PROTECTED FOR RELOCATION AS INDICATED ON AS3# DRAWING SERIES
	SEATS CAREFULLY REMOVED, EXISTING HOLES MADE GOOD WHERE NECESSARY, RELOCATED TO NEW POSITIONS TO SUIT NEW FORSTAGE LIFT. REFER AS3## DRAWING SERIES
	CHOIR SEATS REMOVED, RETAINED & PROTECTED FOR RELOCATION AS INDICATED ON AS3## DRAWING SERIES
e	'ANYTHING PREFIXED WITH e DENOTES EXISTING'
C.O.S	CONFIRM ON SITE
TBC	TO BE CONFIRMED
RL	REDUCED OR RELATIVE LEVEL
AFFL	ABOVE FINISHED FLOOR LEVEL
eSSL 3700	EXISTING STRUCTURAL SLAB LEVEL
eFFL 3700	EXISTING FINISHED FLOOR LEVEL
SSL 3700	STRUCTURAL SLAB LEVEL
FFL 3700	FINISHED FLOOR LEVEL
SE:	'ANYTHING PREFIXED WITH SE: REFER TO STRUCTURAL/FACADE ENGINEERS' DRAWINGS
ME:	'ANYTHING PREFIXED WITH ME: REFER TO MECHANICAL ENGINEERS' DRAWINGS
FE:	'ANYTHING PREFIXED WITH FE: REFER TO FIRE ENGINEERS' DRAWINGS
EE:	'ANYTHING PREFIXED WITH EE: REFER TO ELECTRICAL ENGINEERS' DRAWINGS
HE:	'ANYTHING PREFIXED WITH HE: REFER TO HYDRAULIC ENGINEERS' DRAWINGS
TS:	'ANYTHING PREFIXED WITH TS: REFER TO THEATER SPECIALISTS' DRAWINGS

RCP DEMOLITION NOTES

1. DEMOLISH EXISTING SERVICES IN CEILING.
   - MECHANICAL DIFFUSORS AND EQUIPMENT
   - LIGHTING
   - DETECTORS
   - SPRINKLERS
   - SPEAKERS
2. DEMOLISH EXISTING PLASTERBOARD CEILING AND SUSPENSION SYSTEM UNLESS NOTED OTHERWISE

GENERAL NOTES - DEMOLITION

1. CONTRACTOR & SUB-CONTRACTORS TO ALLOW TO MAKE GOOD ALL SUBSTRATE ELEMENTS & PREPARE SUBSTRATE TO ACCEPT NEW FITTINGS, FIXTURES & FINISHES.
2. MAKE GOOD ALL AFFECTED SURFACES & FINISHES INCLUDING ITEMS MARKED FOR REMOVAL &/OR RELOCATION
3. CONTRACTOR & SUB-CONTRACTORS TO VERIFY ALL DIMENSIONS & CONFIRM ON SITE CONDITIONS RELATING TO ALL DIMENSIONS PRIOR TO COMMENCEMENT - DO NOT SCALE FROM DRAWING
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ASSOCIATED SPECIFICATIONS, SCHEDULES & CONTRACT DOCUMENTS
5. EXTENT OF STRUCTURAL SLAB PENETRATIONS DEMOLITION IS INDICATIVE ONLY, CO-ORDINATE WITH STRUCTURAL DRAWINGS FOR FULLY EXTENT OF DEMOLITION
6. ALLOW TO SUITABLY PROTECT THE EXISTING HERITAGE FINISHES, WHERE THIS IS DEEMED IMPRACTABLE ALLOW TO CARRY OUT AUDITING/RECORDING & CAREFULLY REMOVE, PROTECT, STORE (ON SITE LOCATION) FOR REINSTALLATION AT LATER DATE
7. THE CONTRACTOR IS TO ALLOW TO SAND AND RE-FINISH ALL BRUSHBOX NOMINATED TO BE RE-USED IN WORKS

Issue	Description	Drwn	Apvd	Date
C	90% COORDINATION ISSUE	PRB		23/10/2017
D	CONSULTANT COORDINATION ISSUE	PRB		17/11/2017
E	100% TENDER REVIEW ISSUE	PRB		20/12/2017
F	FOR TENDER	RB		06/04/2018
J	COORDINATION ISSUE	HF		29/11/2018
K	FOR TENDER REVIEW	HF		14/12/2018
L	FOR TENDER	AR		08/02/2019

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0 10 20 30 40 50 60 70 80 90 100 MILLIMETRES ON ORIGINAL

LEGEND - SCOPE

(THIS LEGEND APPLIES TO ALL NEW CONSTRUCTION PHASE DRAWINGS. DOES NOT APPLY TO EXISTING CONDITIONS DRAWINGS)

- AREA SHOWN IN GREY WASH DEPICTS SCOPE OF NO NEW WORKS
- AREA SHOWN IN WHITE WASH DEPICTS SCOPE OF NEW WORKS
- AREA SURROUNDED BY GREEN DASHED LINES DEPICTS TENDER OPTION

SOHT GENERAL NOTES

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 (BSSS) AND RELEVANT AUSTRALIAN STANDARDS. NEW WORKS MUST ALSO COMPLY WITH THE REQUIREMENTS OF THE BUILDING CODES OF AUSTRALIA.

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Location

North

Status: FOR TENDER

Contract: BDM-168

Dwn PRB Date 08/02/2019

Ckd AH Scale 1:100@ B1

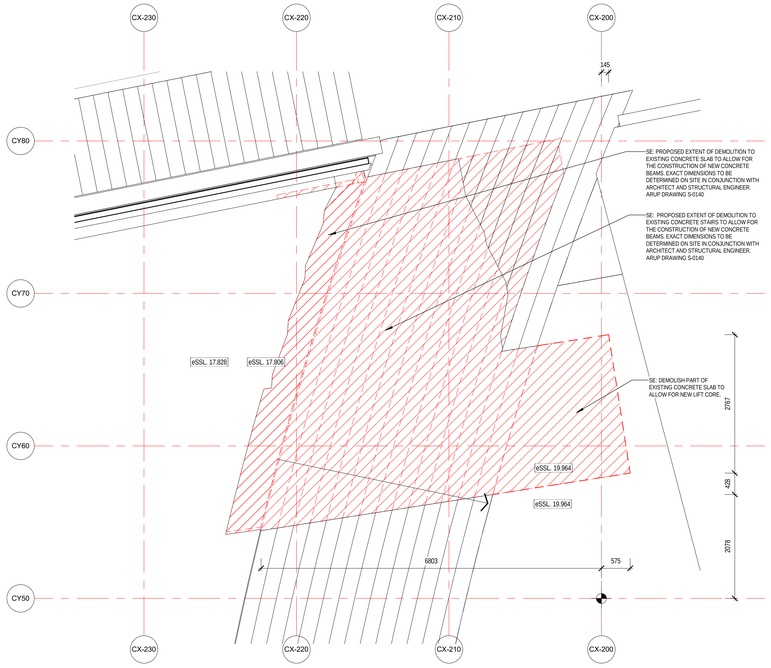
Project: BUILDING RENEWAL PROJECT - CONCERT HALL

Title: DEMOLITION REFLECTED CEILING PLAN - LEVEL 2 +42

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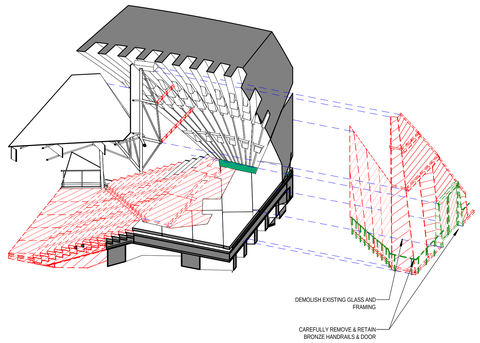
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Location	Drawing No:	Sheet:	Rev:	
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5 A0708 DETAIL DEMOLITION SUPERSTRUCTURE PLAN - LIFT 30 - LEVEL 4

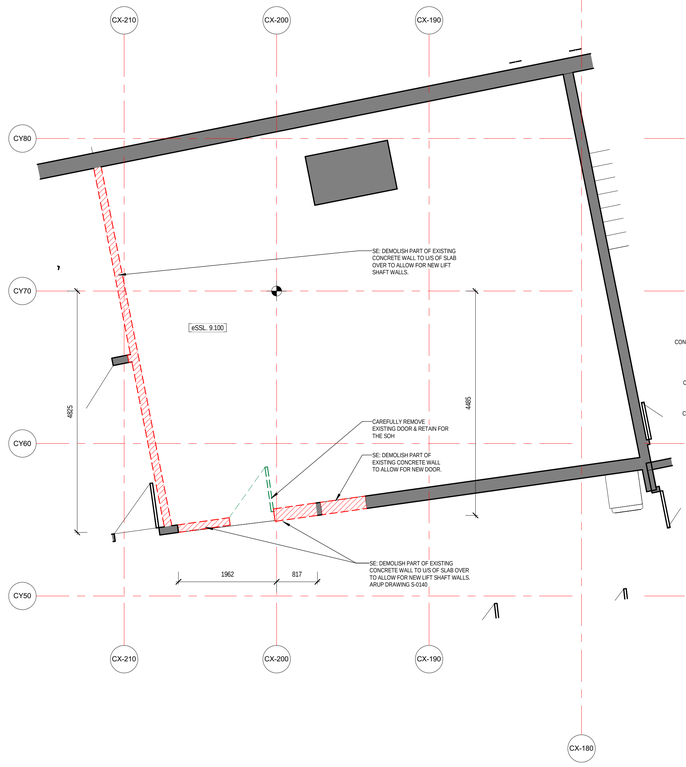
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4 3D VIEW - LIFT 30 - LEVEL 4 & 4A DEMOLITION

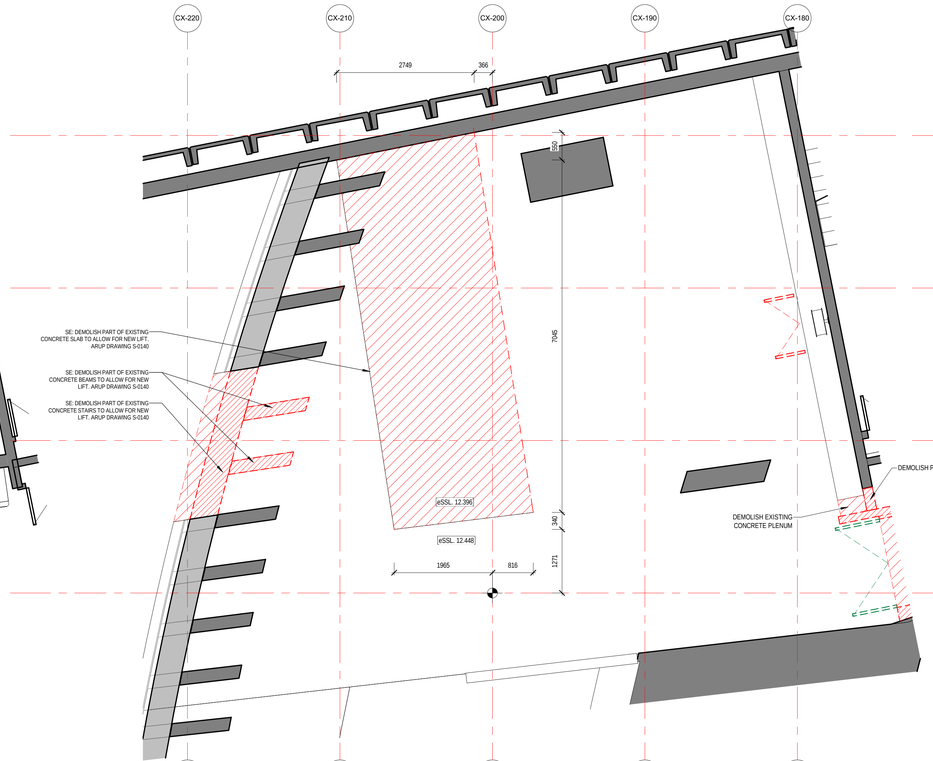
LEGEND - DEMOLITION WORKS

CODE	DESCRIPTION
	DEMOLISHED AREA
	CAREFULLY REMOVE & RETAIN FOR RE-USE AREA
	CAREFULLY REMOVE & RETAIN FOR SOH AREA
	CAREFULLY REMOVE & RE-USE FOR THEATRE MACHINERY
	DEMOLISHED ELEMENT
	EXISTING WALL
	EXISTING SLAB OR FLOOR
	SLAB STEP
	CAREFULLY REMOVE DOOR & FRAME. RETAIN FOR RE-USE & MAKE GOOD SURFACE AFFECTED
	EXISTING SEAT
	SEATS CAREFULLY REMOVED, EXISTING HOLES MADE GOOD & RETAINED FOR THE SOH
	SEATS CAREFULLY REMOVED, EXISTING HOLES MADE GOOD, RETAINED & PROTECTED FOR RELOCATION AS INDICATED ON AS3## DRAWING SERIES
	SEATS CAREFULLY REMOVED, EXISTING HOLES MADE GOOD WHERE NECESSARY, RELOCATED TO NEW POSITIONS TO SUIT NEW FORSTAGE LIFT. REFER AS3## DRAWING SERIES
	CHOIR SEATS REMOVED, RETAINED & PROTECTED FOR RELOCATION AS INDICATED ON AS3## DRAWING SERIES
e	'ANYTHING PREFIXED WITH e DENOTES EXISTING'
C.O.S	CONFIRM ON SITE
TBC	TO BE CONFIRMED
RL	REDUCED OR RELATIVE LEVEL
AFFL	ABOVE FINISHED FLOOR LEVEL
eSSL 3700	EXISITNG STRUCTURAL SLAB LEVEL
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FE:	'ANYTHING PREFIXED WITH FE: REFER TO FIRE ENGINEERS' DRAWINGS
EE:	'ANYTHING PREFIXED WITH EE: REFER TO ELECTRICAL ENGINEERS' DRAWINGS
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TS:	'ANYTHING PREFIXED WITH TS: REFER TO THEATER SPECIALISTS' DRAWINGS



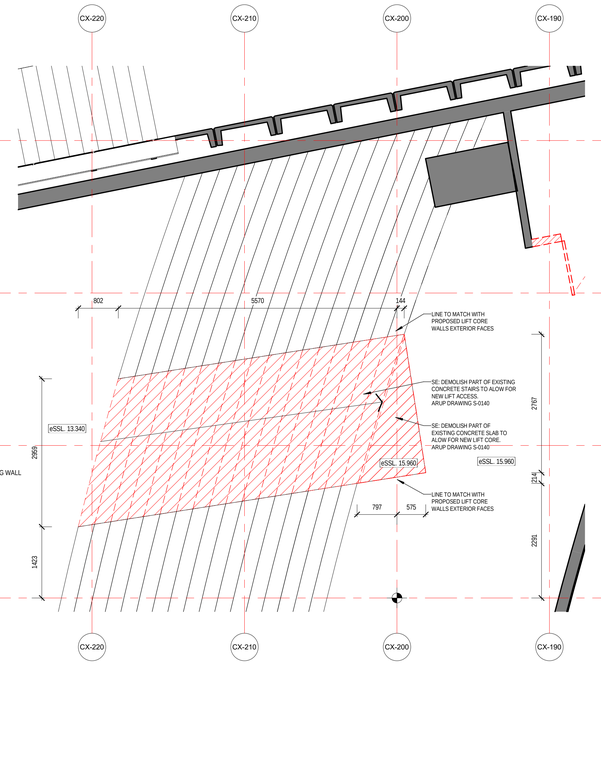
1 A0705 DETAIL DEMOLITION SUPERSTRUCTURE PLAN - LIFT 30 - LEVEL 1

1 : 50



2 A0706 DETAIL DEMOLITION SUPERSTRUCTURE PLAN - LIFT 30 - LEVEL 2

1 : 50



3 A0707 DETAIL DEMOLITION SUPERSTRUCTURE PLAN - LIFT 30 - LEVEL 3

1 : 50

GENERAL NOTES - DEMOLITION

1. CONTRACTOR & SUB-CONTRACTORS TO ALLOW TO MAKE GOOD ALL SUBSTRATE ELEMENTS & PREPARE SUBSTRATE TO ACCEPT NEW FITTINGS, FIXTURES & FINISHES.
2. MAKE GOOD ALL AFFECTED SURFACES & FINISHES INCLUDING ITEMS MARKED FOR REMOVAL &/OR RELOCATION
3. CONTRACTOR & SUB-CONTRACTORS TO VERIFY ALL DIMENSIONS & CONFIRM ON SITE CONDITIONS RELATING TO ALL DIMENSIONS PRIOR TO COMMENCEMENT - DO NOT SCALE FROM DRAWING
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ASSOCIATED SPECIFICATIONS, SCHEDULES & CONTRACT DOCUMENTS
5. EXTENT OF STRUCTURAL SLAB PENETRATIONS DEMOLITION IS INDICATIVE ONLY. CO-ORDINATE WITH STRUCTURAL DRAWINGS FOR FULLY EXTENT OF DEMOLITION
6. ALLOW TO SUITABLY PROTECT THE EXISTING HERITAGE FINISHES. WHERE THIS IS DEEMED IMPRACTABLE ALLOW TO CARRY OUT AUDITING/RECORDING & CAREFULLY REMOVE, PROTECT, STORE (ON SITE LOCATION) FOR REINSTALLATION AT LATER DATE
7. THE CONTRACTOR IS TO ALLOW TO SAND AND RE-FINISH ALL BRUSHBOX NOMINATED TO BE RE-USED IN WORKS

Issue	Description	Drwn	Apvd	Date
C	90% COORDINATION ISSUE	PRB		23/10/2017
D	CONSULTANT COORDINATION ISSUE	PRB		17/11/2017
E	100% TENDER REVIEW ISSUE	PRB		20/12/2017
F	FOR TENDER	RB		06/04/2018
J	COORDINATION ISSUE	HF		29/11/2018
K	FOR TENDER REVIEW	HF		14/12/2018
L	FOR TENDER	AR		08/02/2019

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0 10 20 30 40 50 60 70 80 90 100 MILLIMETRES ON ORIGINAL

LEGEND - SCOPE

(THIS LEGEND APPLIES TO ALL NEW CONSTRUCTION PHASE DRAWINGS. DOES NOT APPLY TO EXISTING CONDITIONS DRAWINGS)

- AREA SHOWN IN GREY WASH DEPICTS SCOPE OF NO NEW WORKS
- AREA SHOWN IN WHITE WASH DEPICTS SCOPE OF NEW WORKS
- AREA SURROUNDED BY GREEN DASHED LINES DEPICTS TENDER OPTION

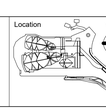
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Location



North

Status: FOR TENDER

Contract: BDM-168

Dwn RB | Date 08/02/2019

Ckd AH | Scale 1:50@ B1

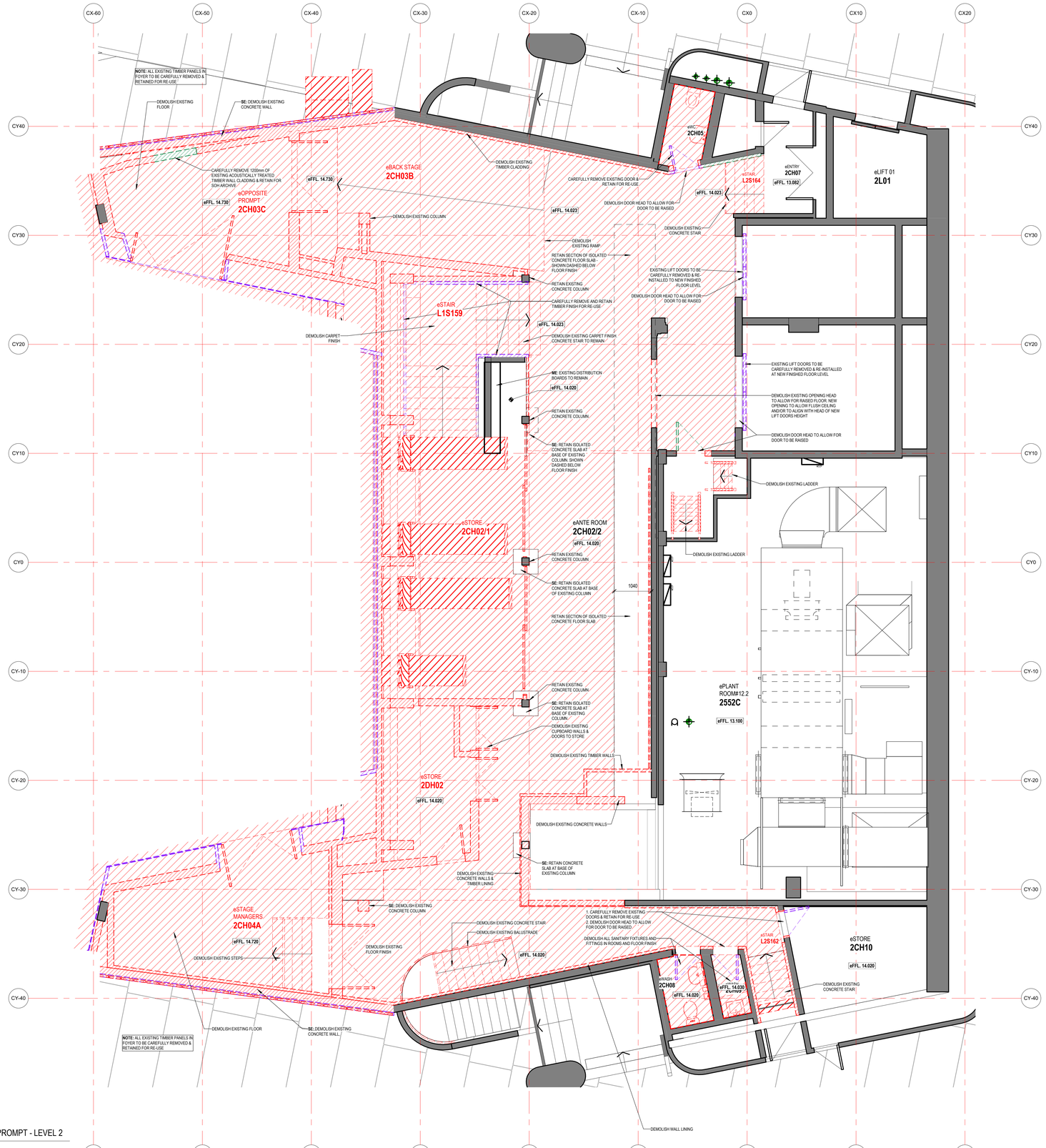
Project: BUILDING RENEWAL PROJECT - CONCERT HALL

Title: DETAIL DEMOLITION SUPERSTRUCTURE PLANS - LIFT 30

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Location	Drawing No:	Sheet:	Rev:	
CHVA	49-BR-ARM01	A0900	L	B1



1 / A0706 — DETAIL DEMOLITION PLAN - ANTE ROOM, PROMPT & OPPOSITE PROMPT - LEVEL 2

1 : 50

LEGEND - DEMOLITION WORKS

CODE	DESCRIPTION
	DEMOLISHED AREA
	CAREFULLY REMOVE & RETAIN FOR RE-USE AREA
	CAREFULLY REMOVE & RETAIN FOR SOH AREA
	CAREFULLY REMOVE & RE-USE FOR THEATRE MACHINERY
	DEMOLISHED ELEMENT
	EXISTING WALL
	EXISTING SLAB OR FLOOR
	SLAB STEP
	CAREFULLY REMOVE DOOR & FRAME, RETAIN FOR RE-USE & MAKE GOOD SURFACE AFFECTED
	EXISTING SEAT
	SEATS CAREFULLY REMOVED, EXISTING HOLES MADE GOOD & RETAINED FOR THE SOH
	SEATS CAREFULLY REMOVED, EXISTING HOLES MADE GOOD, RETAINED & PROTECTED FOR RELOCATION AS INDICATED ON **AS3M DRAWING SERIES**
	SEATS CAREFULLY REMOVED, EXISTING HOLES MADE GOOD WHERE NECESSARY, RELOCATED TO NEW POSITIONS TO SUIT NEW FORSTAGE LIFT. REFER **AS3M DRAWING SERIES**
	CHOIR SEATS REMOVED, RETAINED & PROTECTED FOR RELOCATION AS INDICATED ON **AS3M DRAWING SERIES**
e	'ANYTHING PREFIXED WITH e DENOTES EXISTING'
C.O.S	CONFIRM ON SITE
TBC	TO BE CONFIRMED
RL	REDUCED OR RELATIVE LEVEL
AFFL	ABOVE FINISHED FLOOR LEVEL
eSSL 3700	EXISITNG STRUCTURAL SLAB LEVEL
eFFL 3700	EXISTING FINISHED FLOOR LEVEL
SSL 3700	STRUCTURAL SLAB LEVEL
FFL 3700	FINISHED FLOOR LEVEL
SE:	'ANYTHING PREFIXED WITH **SE:** REFER TO STRUCTURAL/FACADE ENGINEERS' DRAWINGS
ME:	'ANYTHING PREFIXED WITH **ME:** REFER TO MECHANICAL ENGINEERS' DRAWINGS
FE:	'ANYTHING PREFIXED WITH **FE:** REFER TO FIRE ENGINEERS' DRAWINGS
EE:	'ANYTHING PREFIXED WITH **EE:** REFER TO ELECTRICAL ENGINEERS' DRAWINGS
HE:	'ANYTHING PREFIXED WITH **HE:** REFER TO HYDRAULIC ENGINEERS' DRAWINGS
TS:	'ANYTHING PREFIXED WITH **TS:** REFER TO THEATER SPECIALISTS' DRAWINGS

GENERAL NOTES - DEMOLITION

1. CONTRACTOR & SUB-CONTRACTORS TO ALLOW TO MAKE GOOD ALL SUBSTRATE ELEMENTS & PREPARE SUBSTRATE TO ACCEPT NEW FITTINGS, FIXTURES & FINISHES.
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3. CONTRACTOR & SUB-CONTRACTORS TO VERIFY ALL DIMENSIONS & CONFIRM ON SITE CONDITIONS RELATING TO ALL DIMENSIONS PRIOR TO COMMENCEMENT - DO NOT SCALE FROM DRAWING
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Issue	Description	Drwn	Apvd	Date
D	CONSULTANT COORDINATION ISSUE	PRB		17/11/2017
E	100% TENDER REVIEW ISSUE	PRB		20/12/2017
F	FOR TENDER	RB		06/04/2018
J	COORDINATION ISSUE	HF		29/11/2018
K	FOR TENDER REVIEW	HF		14/12/2018
L	FOR TENDER	AR		08/02/2019

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0 10 20 30 40 50 60 70 80 90 100 MILLIMETRES ON ORIGINAL

LEGEND - SCOPE

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Location — North

Status: FOR TENDER

Contract: BDM-168

Dwn: PRB — Date: 08/02/2019

Ckd: AH — Scale: 1:50@ B1

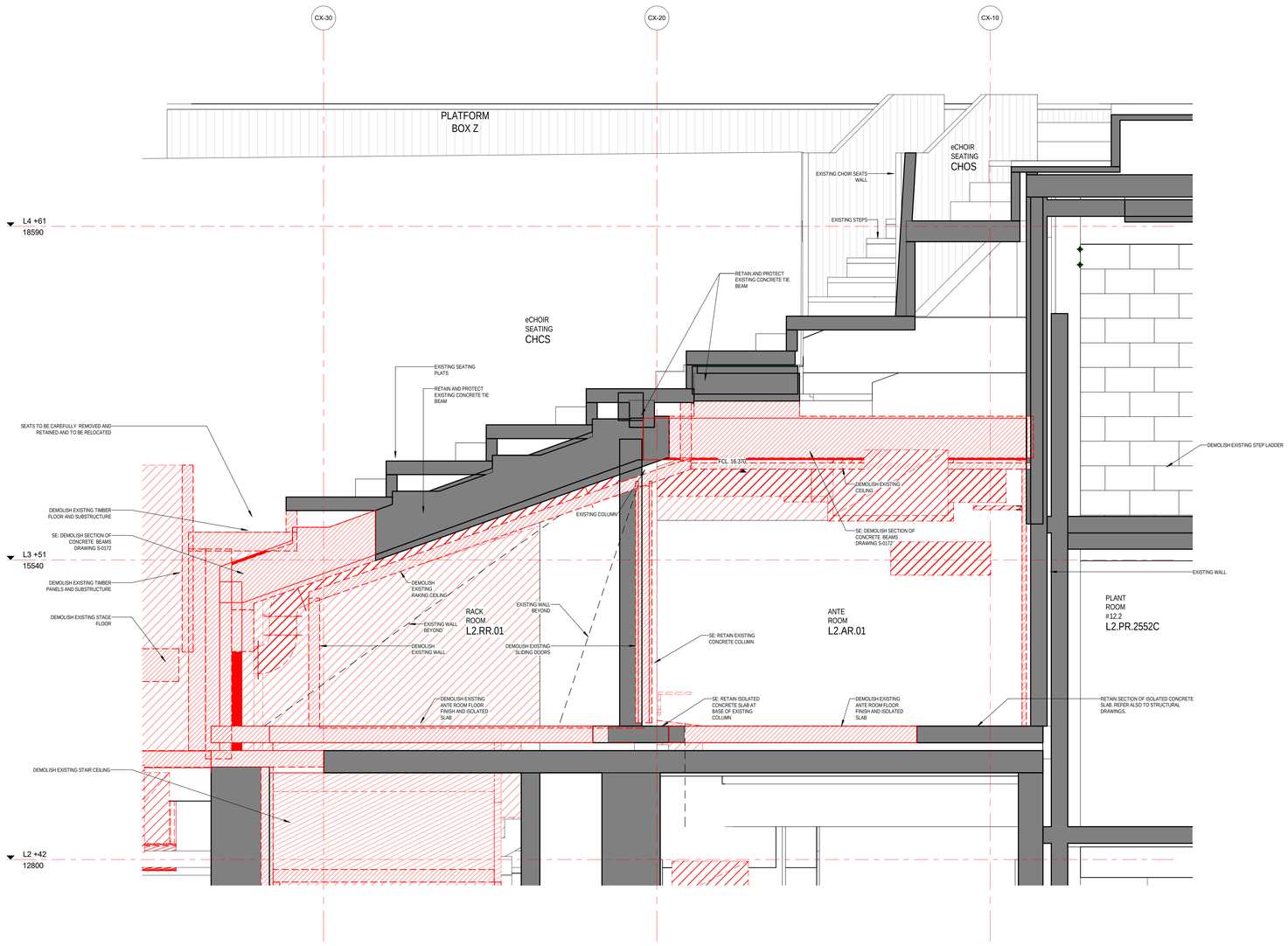
Project: BUILDING RENEWAL PROJECT - CONCERT HALL

Title: DETAIL DEMOLITION PLAN - ANTE ROOM, PROMPT & OPPOSITE PROMPT - LEVEL 2 +42

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1 A0706 DETAIL DEMOLITION SECTION - ANTE ROOM

1 : 20

LEGEND - DEMOLITION WORKS

CODE	DESCRIPTION
	DEMOLISHED AREA
	CAREFULLY REMOVE & RETAIN FOR RE-USE AREA
	CAREFULLY REMOVE & RETAIN FOR SOH AREA
	CAREFULLY REMOVE & RE-USE FOR THEATRE MACHINERY
	DEMOLISHED ELEMENT
	EXISTING WALL
	EXISTING SLAB OR FLOOR
	SLAB STEP
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	EXISTING SEAT
	SEATS CAREFULLY REMOVED, EXISTING HOLES MADE GOOD & RETAINED FOR THE SOH
	SEATS CAREFULLY REMOVED, EXISTING HOLES MADE GOOD, RETAINED & PROTECTED FOR RELOCATION AS INDICATED ON A53## DRAWING SERIES
	SEATS CAREFULLY REMOVED, EXISTING HOLES MADE GOOD WHERE NECESSARY, RELOCATED TO NEW POSITIONS TO SUIT NEW FORSTAGE LIFT. REFER A53## DRAWING SERIES
	CHOIR SEATS REMOVED, RETAINED & PROTECTED FOR RELOCATION AS INDICATED ON A53## DRAWING SERIES
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C.O.S	CONFIRM ON SITE
TBC	TO BE CONFIRMED
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Issue	Description	Drwn	Apvd	Date
A	50% COORDINATION ISSUE	JJF		26/05/2017
C	85% COORDINATION ISSUE	PRB		20/10/2017
D	CONSULTANT COORDINATION ISSUE	PRB		17/11/2017
E	100% TENDER REVIEW ISSUE	PRB		20/12/2017
F	FOR TENDER	RB		06/04/2018
J	COORDINATION ISSUE	HF		29/11/2018
K	FOR TENDER REVIEW	HF		14/12/2018
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Location — North

Status: FOR TENDER

Contract: BDM-168

Dwn RB | Date 08/02/2019

Ckd AH | Scale 1:20@ B1

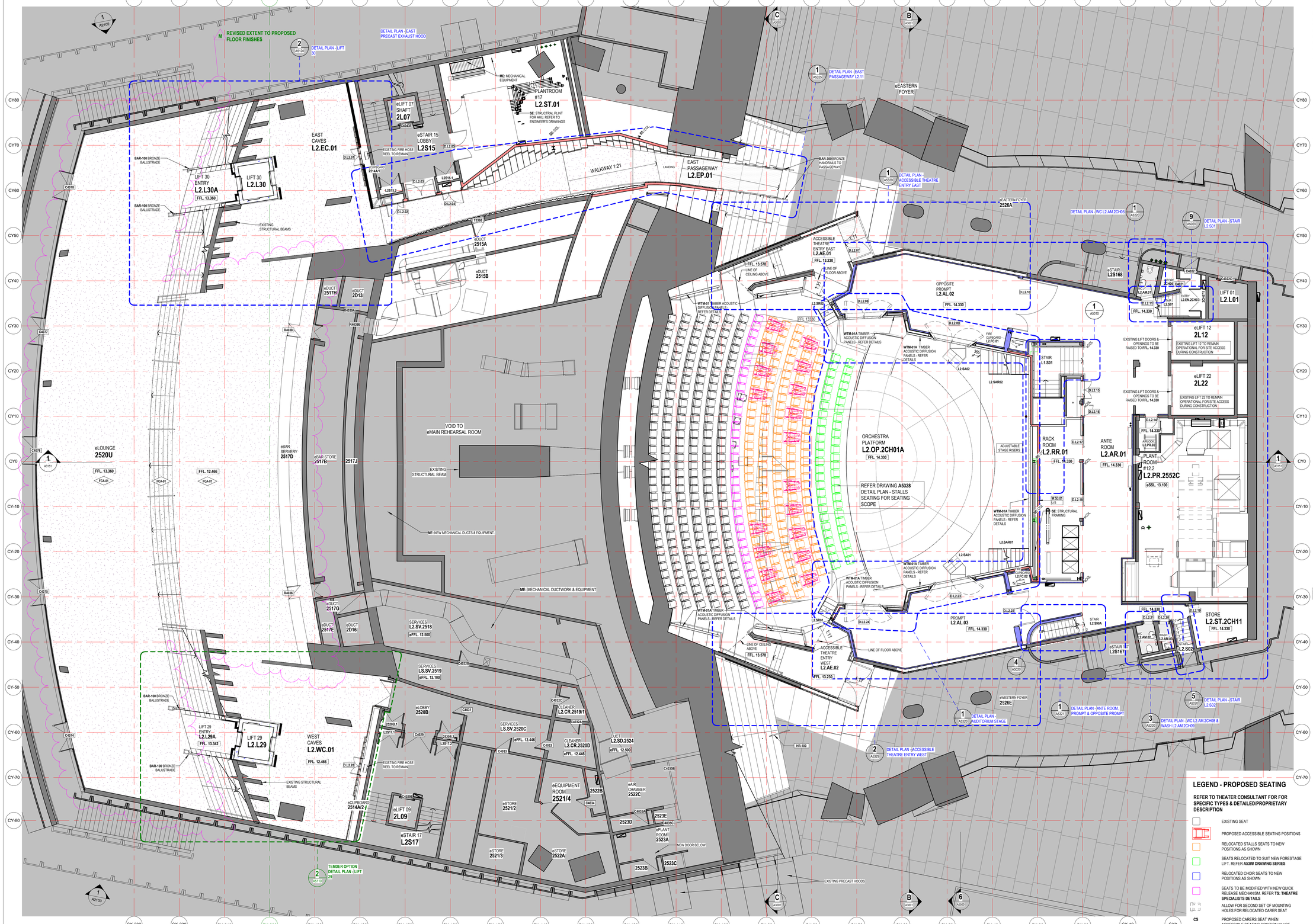
Project: BUILDING RENEWAL PROJECT - CONCERT HALL

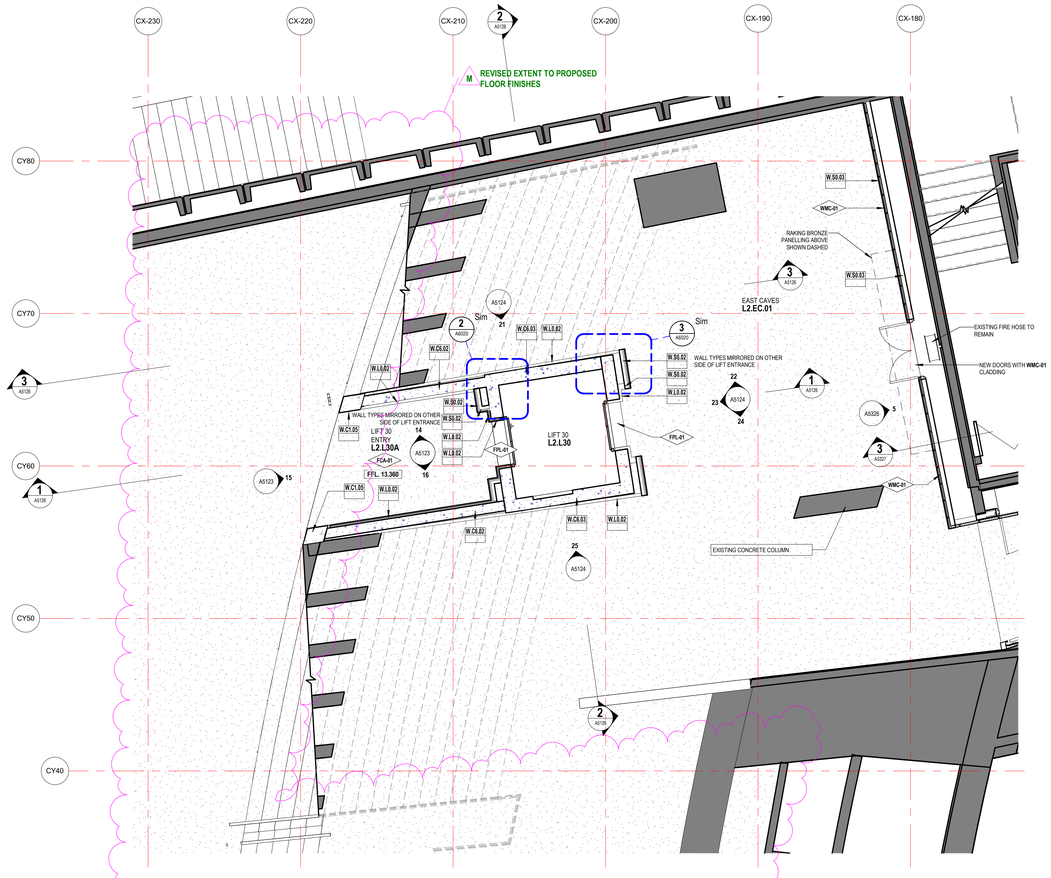
Title: DETAIL DEMOLITION SECTION - ANTE ROOM

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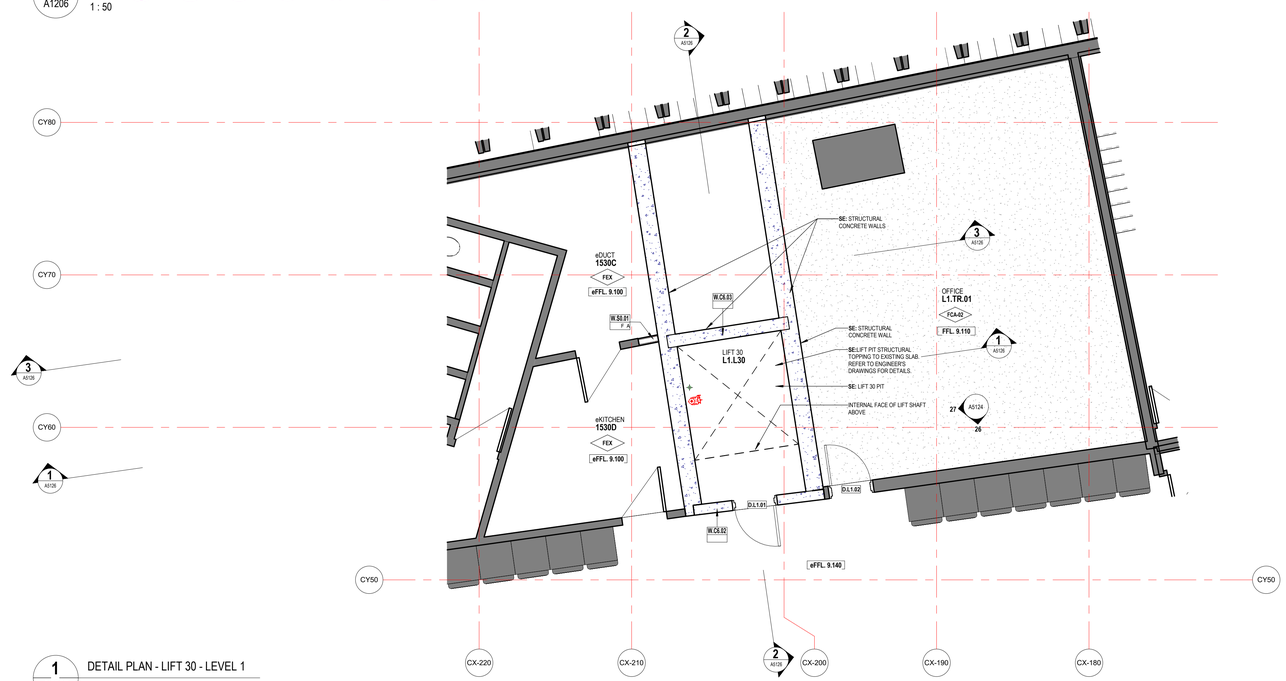
Location	Drawing No:	Sheet:	Rev:	
CHVA	49-BR-ARM01	A0911	L	B1


REVISED EXTENT TO PROPOSED FLOOR FINISHES
DETAIL PLAN -LIFT 30
DETAIL PLAN -EAST PRECAST EXHAUST HOOD
ME: MECHANICAL EQUIPMENT
PLANTROOM #17
L2.ST.01
SE: STRUCTURAL PLINT FOR AHU. REFER TO ENGINEER'S DRAWINGS
eLIFT 07 SHAFT 2L07
eSTAIR 15 LOBBY L2S15
EAST CAVES L2.EC.01
EXISTING FIRE HOSE REEL TO REMAIN
BAR-100 BRONZE BALUSTRADE
LIFT 30 ENTRY L2.L30A
FFL. 13.360
LIFT 30 L2.L30
EXISTING STRUCTURAL BEAMS
WALKWAY 1:21
LANDING
EAST PASSAGEWAY L2.EP.01
DETAIL PLAN -EAST PASSAGEWAY L2.11
eEASTERN FOYER
BAR-300 BRONZE HANDRAILS TO PASSAGEWAY
DETAIL PLAN - ACCESSIBLE THEATRE ENTRY EAST
eEASTERN FOYER 2526A
DETAIL PLAN -WC L2 AM.2CH05
DETAIL PLAN -STAIR L2.S01
ACCESSIBLE THEATRE ENTRY EAST L2.AE.01
FFL. 13.230
LINE OF FLOOR ABOVE
FFL. 13.578
LINE OF CEILING ABOVE
WTM-01 TIMBER ACOUSTIC DIFFUSION PANELS - REFER DETAILS
OPPOSITE PROMPT L2.AL.02
FFL. 14.330
eSTAIR L2S160
eLIFT 12 2L12
EXISTING LIFT 12 TO REMAIN OPERATIONAL FOR SITE ACCESS DURING CONSTRUCTION
EXISTING LIFT DOORS & OPENINGS TO BE RAISED TO FFL. 14.330
eLIFT 22 2L22
EXISTING LIFT 22 TO REMAIN OPERATIONAL FOR SITE ACCESS DURING CONSTRUCTION
eLIFT 01 L2.L01
ENTRY L2.EN.2CH07
eSTAIR L1.S01
ORCHESTRA PLATFORM L2.OP.2CH01A
FFL. 14.330
REFER DRAWING A5328 DETAIL PLAN - STALLS SEATING FOR SEATING SCOPE
ADJUSTABLE STAGE RISERS
RACK ROOM L2.RR.01
ANTE ROOM L2.AR.01
PLANT ROOM #12.2 L2.PR.2552C
eSSL. 13.100
eLOUNGE 2520U
FFL. 13.360
FFL. 12.466
eBAR SERVERY 2517D
eBAR STORE 2517B
2517J
VOID TO eMAIN REHEARSAL MUSIC
EXISTING STRUCTURAL BEAM
ME: NEW MECHANICAL DUCTS & EQUIPMENT
ME: MECHANICAL DUCTWORK & EQUIPMENT
eDUCT 2517G
eDUCT 2517E
eDUCT 2D16
SERVICES L2.SV.2518
eFFL. 12.500
SERVICES LS.SV.2519
eFFL. 13.100
SERVICES LS.SV.2520C
eFFL. 12.446
eDUCT 2515A
eDUCT 2515B
eDUCT 2517H
eDUCT 2D13
eDUCT 2514A/1
eDUCT 2514A/2
eLOBBY 2520B
eLIFT 09 2L09
eSTAIR 17 L2S17
WEST CAVES L2.WC.01
FFL. 12.466
LIFT 29 ENTRY L2.L29A
FFL. 13.342
LIFT 29 L2.L29
BAR-100 BRONZE BALUSTRADE
EXISTING FIRE HOSE REEL TO REMAIN
EXISTING STRUCTURAL BEAMS
CLEANER L2.CR.2519/1
CLEANER L2.CR.2520D
eEQUIPMENT ROOM 2521/4
eSTORE 2521/2
eSTORE 2521/3
eSTORE 2522A
eAIR CHAMBER 2522C
2522B
2523D
2523E
2523A
2523B
2523C
NEW DOOR BELOW
eSD.2524
eFFL. 12.500
eDUCT 2515H
eDUCT 2515G
eDUCT 2515F
eDUCT 2515E
eDUCT 2515D
eDUCT 2515C
eDUCT 2515B
eDUCT 2515A
TEMDER OPTION DETAIL PLAN -LIFT 29
EXISTING PRECAST HOODS
HR-100
WTM-01A TIMBER ACOUSTIC DIFFUSION PANELS - REFER DETAILS
WTM-01B TIMBER ACOUSTIC DIFFUSION PANELS - REFER DETAILS
DETAIL PLAN - AUDITORIUM STAGE
DETAIL PLAN -ANTE ROOM, PROMPT & OPPOSITE PROMPT
DETAIL PLAN -ACCESSIBLE THEATRE ENTRY WEST
DETAIL PLAN -WC L2 AM.2CH08 & WASH L2 AM.2CH09
eWESTERN FOYER 2526E
STORE L2.ST.2CH11
FFL. 14.330
STAIR L2.S90A
eSTAIR L2S161
PROMPT L2.AL.03
ACCESSIBLE THEATRE ENTRY WEST L2.AE.02
FFL. 13.230
LINE OF CEILING ABOVE
FFL. 13.578
LINE OF FLOOR ABOVE
DETAIL PLAN -STAIR L2.S02
L2.S02
L2.SA01
L2.SA02
L2.SAR01
L2.SAR02
L2.FC.01
L2.FC.02
L2.FC.03
L2.AM.01
L2.AM.02
L2.AM.03
L2.AM.04
L2.AM.05
L2.AM.06
L2.AM.07
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L2.AM.26
L2.AM.27
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L2.AM.31
L2.AM.32
L2.AM.33
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L2.AM.40



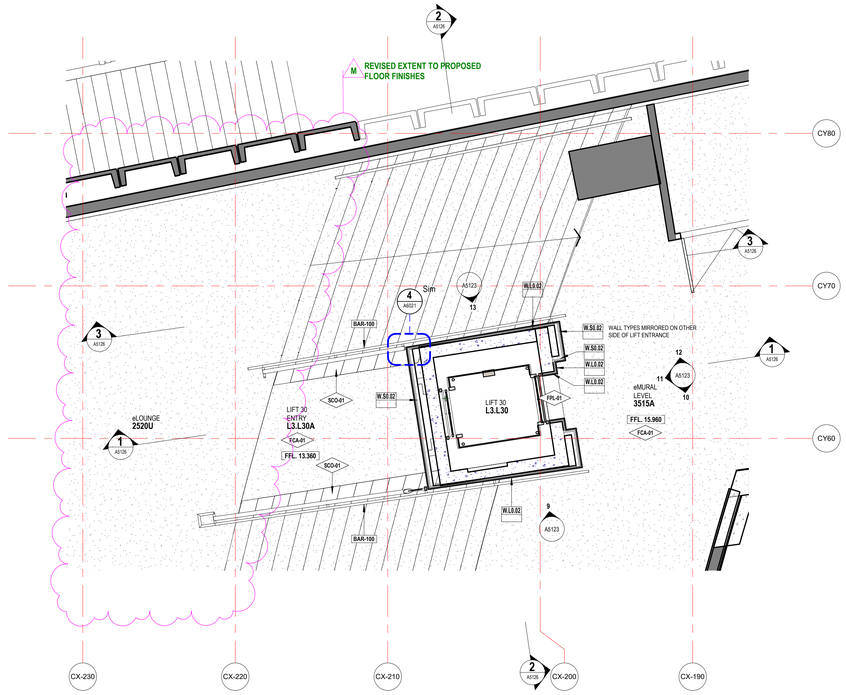
2 A1206 DETAIL PLAN - LIFT 30 - LEVEL 2

1 : 50



1 A1205 DETAIL PLAN - LIFT 30 - LEVEL 1

1 : 50



3 A1207 DETAIL PLAN - LIFT 30 - LEVEL 3

1 : 50

LEGEND - INTERNAL MATERIALS & FINISHES

REFER TO A0301 INTERNAL MATERIALS & FINISHES SCHEDULE FOR SPECIFIC TYPES & DETAILED/PROPRIETARY DESCRIPTION

CODE DESCRIPTION

F FLOORS/FLOOR COMPONENTS
FAW ACESS WALKWAY
FAH FLOOR ACCESS HATCH
FEX EXISTING FLOOR
FCA CARPET
FCF CONCRETE FINISH
FCO CONCRETE
FCJ CONTROL JOINT
FEJ EXPANSION JOINT
FFJ FALSE JOINT
FLA FLOOR LADDER
FLI LINOLEUM
FPL PLATE
FSN STAIR NOSING
FTI FLOOR TILES
FTM TIMBER
FTS TACTILE INDICATORS
FVI VINYL

S STRUCTURAL COMPONENTS
SMS METAL STUDS
SCO **SE:** CONCRETE

W WALLS/WALL COMPONENTS
WBA WALL BATTEN
WBL MASONRY BLOCKWORK
WEX EXISTING WALL
WFC COMPRESSED FIBRE CEMENT
WMI WALL MIRROR
WMC METAL CLADDING
WPB WALL PLASTERBOARD
WSK SKIRTING
WTI WALL TILES
WTM TIMBER
WTV TIMBER VENEER

C CEILINGS/CEILING COMPONENTS
CAI CEILING INSULATION
CEX EXISTING CEILING/SOFFIT TO REMAIN
CMC METAL CLADDING
CNC NO CEILING
eCNC EXISTING NO CEILING
CPB PLASTERBOARD
CSU SUSPENDED CEILING COMPONENTS
CTV TIMBER VENEER
UIS UNDERSIDE OF EXPOSED CONCRETE SOFFIT
eUS EXISTING UNDERSIDE OF EXPOSED CONCRETE SOFFIT

G GLAZING/GLASS COMPONENTS
GGT GLASS TYPES

M MISCELLANEOUS FIXTURES & FITTINGS
MAC MISCELLANEOUS ACCESSORIES
MBA BALUSTRADES & SCREENS
MCU CURTAIN
MFC FIXED SHELF
MLK LOCKER
MPR PICTURE RAIL
MHR HANDRAIL

B BUILDING SERVICES (MEP FIXTURES)
BLI LIFT
BFH FIRE HYDRANT
BFR FIRE HOSE REEL

P PAINT & APPLIED FINISHES
PFR FIRE-RATED INTUMESCENT PAINT
PPF PAINT TYPE
PPO POWDERCOAT
PPR PROTECTIVE COATING
PSR SLIP RESISTANT COATING
PST STAIN SYSTEM

SE: 'ANYTHING PREFIXED WITH **SE:** REFER TO STRUCTURAL/FACADE ENGINEERS DRAWINGS
ME: 'ANYTHING PREFIXED WITH **ME:** REFER TO MECHANICAL ENGINEERS DRAWINGS
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4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ASSOCIATED SPECIFICATIONS, SCHEDULES & CONTRACT DOCUMENTS
5. MAKE GOOD ALL AFFECTED SURFACES & FINISHES INCLUDING ITEMS MARKED FOR REMOVAL &/OR RELOCATION
6. THE CONTRACTOR IS TO ALLOW TO SAND AND RE-FINISH ALL BRUSHBOX NOMINATED TO BE RE-USED THE WORKS. THIS BRUSHBOX IS TO BE INCORPORATED WHEREVER POSSIBLE WHERE **WTM-02** IS NOMINATED

Issue	Description	Drwn	Apvd	Date
16	CONSULTANT CO-ORDINATION ISSUE	JJF		03/02/2017
17	100% DESIGN DEVELOPMENT ISSUE	JJF		20/02/2017
A	50% COORDINATION ISSUE	JJF		26/05/2017
C	85% COORDINATION ISSUE	PRB		20/10/2017
D	CONSULTANT COORDINATION ISSUE	PRB		17/11/2017
E	100% TENDER REVIEW ISSUE	PRB		20/12/2017
F	FOR TENDER	RB		06/04/2018
J	COORDINATION ISSUE	HF		29/11/2018
K	FOR TENDER REVIEW	HF		14/12/2018
L	FOR TENDER	AR		08/02/2019
M	FOR TENDER - REVISIONS CLOUDED	SW		22/02/2019

0 10 20 30 40 50 60 70 80 90 100 MILLIMETRES ON ORIGINAL

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www.armarchitecture.com.au

LEGEND - SCOPE

(THIS LEGEND APPLIES TO ALL NEW CONSTRUCTION PHASE DRAWINGS. DOES NOT APPLY TO EXISTING CONDITIONS DRAWINGS)

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SOHT COPYRIGHT

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Location North

Status: FOR TENDER

Contract: BDM-168

Dwn RB Date 22/02/2019

Ckd AH Scale 1:50@B1

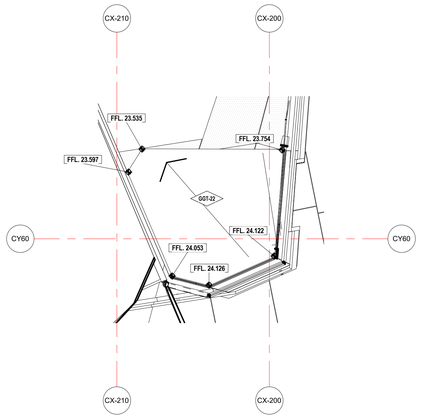
Project: BUILDING RENEWAL PROJECT - CONCERT HALL

Title: DETAIL PLANS 1 - LIFT 30

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email: info@sydneyoperahouse.com

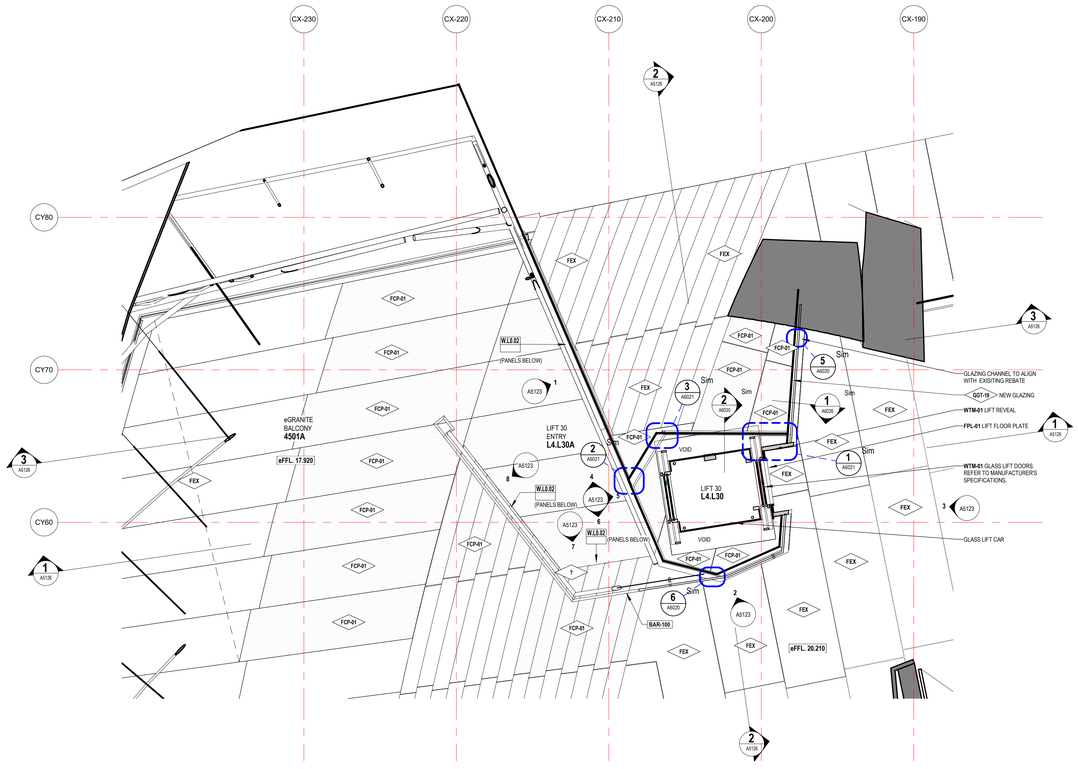
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Location	Drawing No:	Sheet:	Rev:
CHVA	49-BR-ARM01	A5120	M B1



1 A1209 DETAIL PLAN - LIFT 30 - LEVEL 5

1 : 50



2 A1208 DETAIL PLAN - LIFT 30 - LEVEL 3A & 4

1 : 50

LEGEND - INTERNAL MATERIALS & FINISHES

REFER TO A0301 INTERNAL MATERIALS & FINISHES SCHEDULE FOR SPECIFIC TYPES & DETAILED/PROPRIETARY DESCRIPTION

CODE	DESCRIPTION
F	**FLOORS/FLOOR COMPONENTS**
FAW	ACESS WALKWAY
FAH	FLOOR ACCESS HATCH
FEX	EXISTING FLOOR
FCA	CARPET
FCF	CONCRETE FINISH
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FLA	FLOOR LADDER
FLI	LINOLEUM
FPL	PLATE
FSN	STAIR NOSING
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FTS	TACTILE INDICATORS
FVI	VINYL
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SMS	METAL STUDS
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WBL	MASONRY BLOCKWORK
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WMC	METAL CLADDING
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WSK	SKIRTING
WTI	WALL TILES
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CTV	TIMBER VENEER
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LEGEND - BALUSTRADES SCREENS & HANDRAILS

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GR-###	BALUSTRADE
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TS:	'ANYTHING PREFIXED WITH **TS:** REFER TO THEATER CONSULTANTS DRAWINGS

GENERAL NOTES

1. ALL TEXT ARIAL FONT U.N.O.
2. ALL SIGNAGE TO BE IN ACCORDANCE WITH:
   - FIRE ENGINEERING REPORT
   - ACCESSIBILITY REPORT
   - AUSTRALIAN STANDARDS AS1428.1 AND AS5007
   - NCC AND BCA ACCESS FOR PEOPLE WITH DISABILITY
   - NCC, BCA BRAILLE AND TACTILE SIGNS
3. OVERALL DIMENSIONS NOTED ARE NOMINAL THE SIGN CONTRACTOR CAN SUBSTITUTE A PROPIETARY SIGN COMPLIANT WITH AS1428.1 FOR APPROVAL.
4. ALL PICTOGRAMS SHOULD BE TO ISO 7010 STANDARD.
5. **'BRONZE LETTERS'** SHALL BE POWDERCOATED LASER CUT ALUMINIUM 3.0mm THICK.
6. **'BRONZE PLATES'** SHALL BE PT-109 POWDERCOATED LASER CUT ALUMINIUM 3.0mm THICK FOH.
7. **'RED & GREEN PLATES'** SHALL BE PAINTED LASER CUT ACRYLIC 3.0mm THICK BOH.
8. **'ENGRAVED TEXT'** SHALL BE WHITE POWDERCOATED LASER CUT PRECISION ENGRAVED.
9. LETTERS SHALL BE ADHESIVE FIXED.
10. PLATES SHALL BE ADHESIVE AND SCREW FIXED.
11. EXISTING UPGRADED WAYFINDING SIGNS SHALL BE CLEANED AFTER REMOVAL OF EXISTING TEXT, REFURFISH BASE COLOUR WHERE FADING OR COLOUR CHANGE HAS OCCURED.

Issue	Description	Drwn	Apvd	Date
F	FOR TENDER	MB		06/04/2018
J	COORDINATION ISSUE	HF		29/11/2018
K	FOR TENDER REVIEW	HF		14/12/2018
L	FOR TENDER	AR		08/02/2019

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Location — North

Status: FOR TENDER

Contract: BDM-168

Dwn Author — Date 08/02/2019

Ckd Checker — Scale 1:50@B1

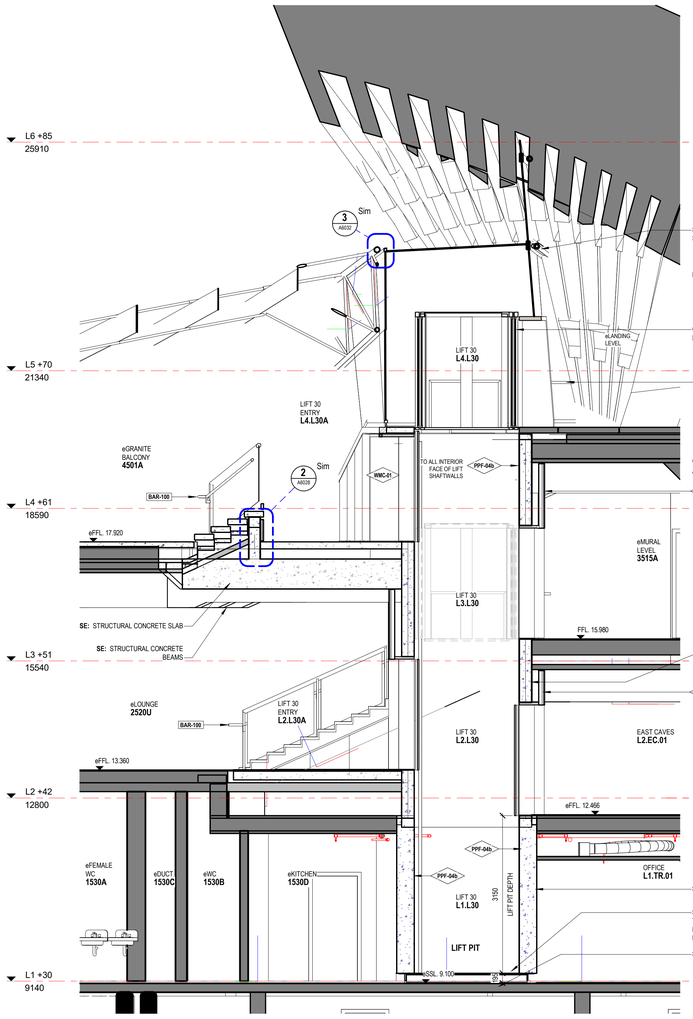
Project: BUILDING RENEWAL PROJECT - CONCERT HALL

Title: DETAIL PLANS 2 - LIFT 30

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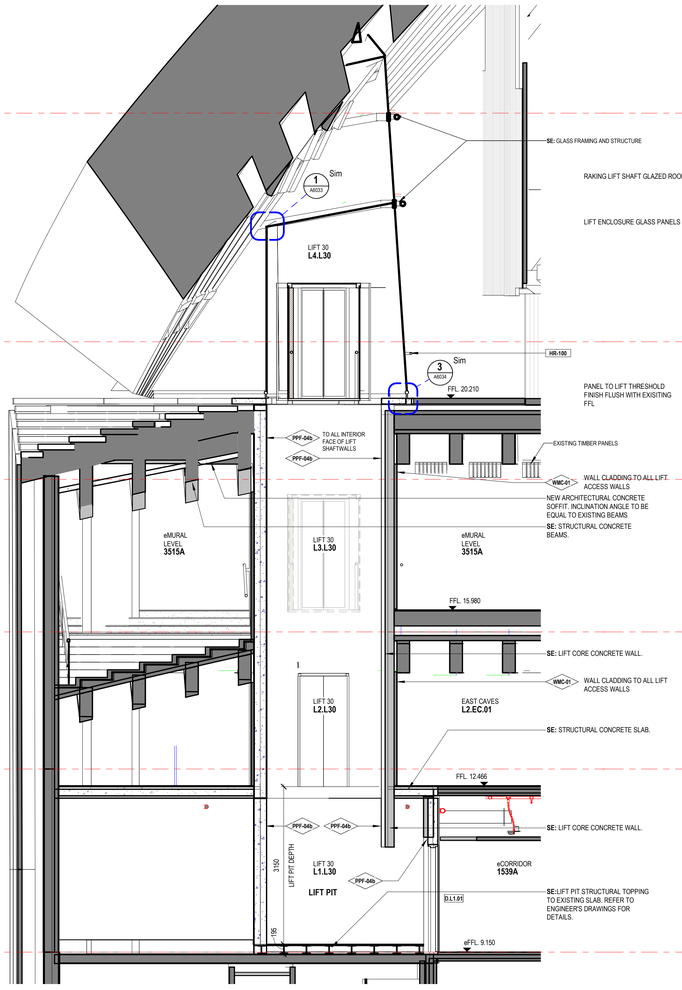
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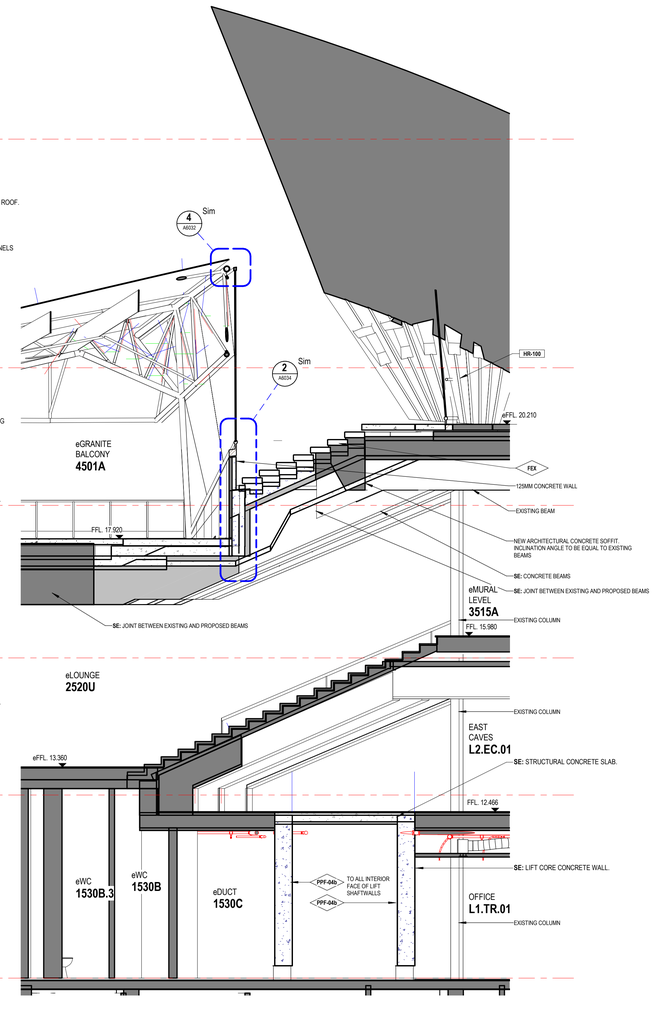
1 A5120 DETAIL SECTION 1 - LIFT 30

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2 A5120 DETAIL SECTION 2 - LIFT 30

1 : 50



3 A5120 DETAIL SECTION 3 - LIFT 30

1 : 50

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Location — North

Status: FOR TENDER

Contract: BDM-168

Dwn RB | Date 08/02/2019

Ckd AH | Scale 1:50@ B1

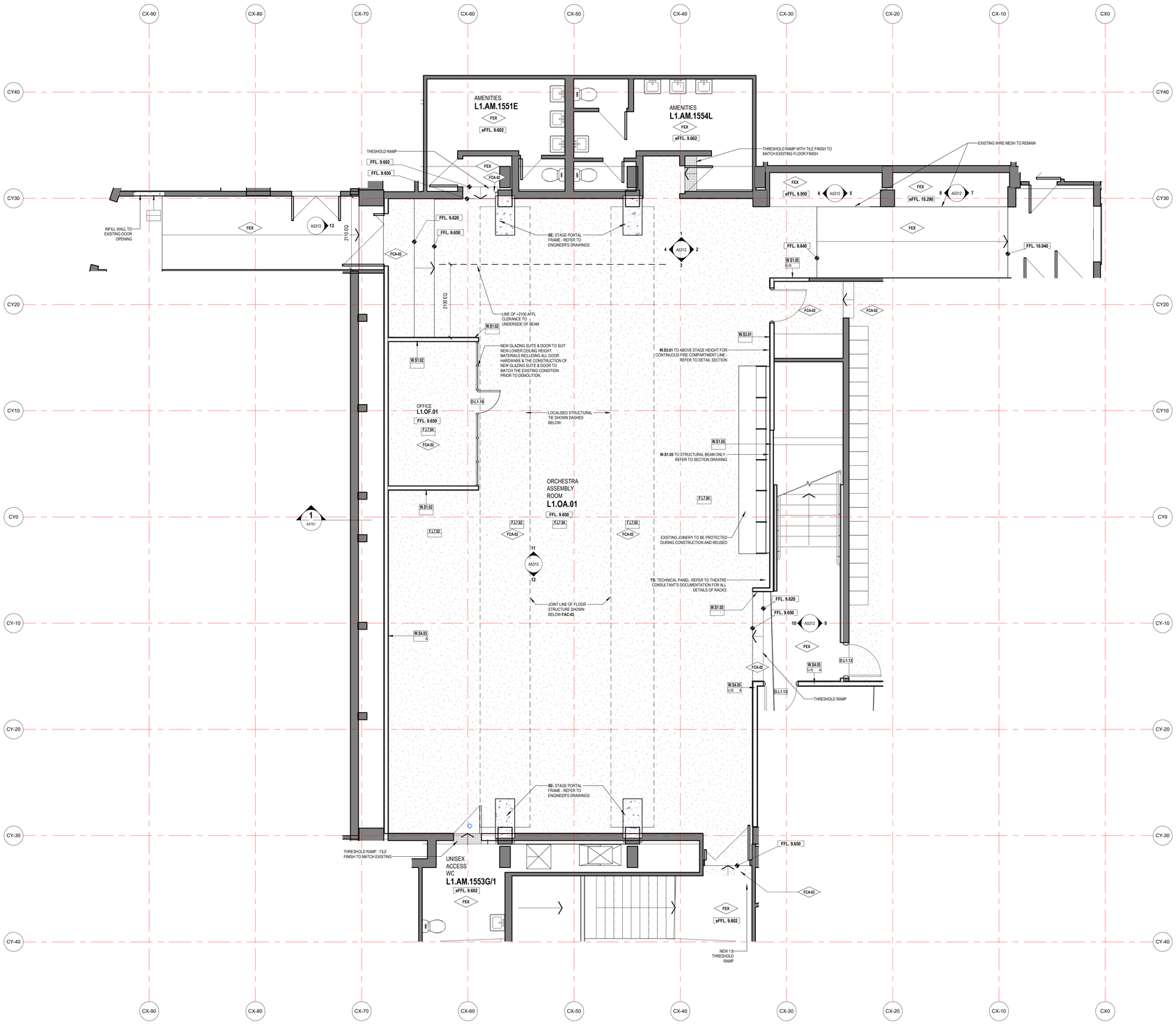
Project: BUILDING RENEWAL PROJECT - CONCERT HALL

Title: DETAIL AREA - SECTIONS - LIFT 30

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Phone: +61 2 9250 7541
email: info@sydneyoperahouse.com

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Location	Drawing No:	Sheet:	Rev:	
CHVA	49-BR-ARM01	A5126	L	B1



1 A1205 DETAIL PLAN - ORCHESTRA ASSEMBLY ROOM L1.OA.01 - LEVEL 1 +30

1 : 50

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PPR	PROTECTIVE COATING
PSR	SLIP RESISTANT COATING
PST	STAIN SYSTEM

LEGEND - WALL SYSTEM CODES

CODE	DESCRIPTION
W.M1-0.01-99	MASONRY BLOCKWORK (FULL HEIGHT)
W.B1-0.01-99	MASONRY BRICK
W.C1-0.01-99	CONCRETE WALLS
W.S1-0.01-99	STEEL STUDFRAMED WALLS (FULL HEIGHT WALLS)
W.T1-0.01-99	TIMBER STUD WALLS (FULL HEIGHT WALLS)
W.G1-0.01-99	INTERNAL GLAZED WALLS
W.P1-0.01-99	PARTITION WALLS (UNDERSIDE OF pFCL)
W.L1-0.01-99	INTERNAL LININGS/CLADDINGS (WALLS SUPPORTED BY OTHER WALLS/COLUMNS)
X.F1-0.01-99	FACADE SYSTEMS (EXTERNAL WALLS, INCL CURTAIN WALLS)
X.R1-0.01-99	RAINSCREEN WALLS (EXTERNAL RAINSCREENS SUPPORTED BY OTHER WALLS)

SCHEDULE (WALL) / CATEGORY (WALL) / TYPE (WALL) / SPECIFIC (WALL)

W.XX.XX WALL TYPE

2400 FGA LINING HEIGHT & FSA TYPE

- ACOUSTIC WALLS TO ACOUSTIC ENGINEERS REQUIRED RATING
- SMOKE WALLS
- FIRE RATED WALLS
- HEIGHT OF WALL LINING AFFL
  - **U/S** = FRAME + LINING TO U/S OF STRUCTURE OVER
  - **B** = ALL WALLS WHICH EXCEED NOMINATED HEIGHT BY SUPPLIER TO BE BRACED ABOVE CEILING & CO-ORDINATED WITH SERVICES

WALL TYPE TAG:

REFER TO DWG A0410 FOR DETAILS & DESCRIPTION

NOTE: BMT & SPACING REQUIREMENTS FOR ALL WALL FRAMING TO BE AS PER MANUFACTURERS RECOMMENDATIONS FOR NOMINATED FRAME SIZE & HEIGHT.

FINISHES:

REFER A0301 INTERNAL MATERIALS & FINISHES LEGEND. FOR LOCATION REFER TO INTERNAL ELEVATIONS

NOTE: PROVIDE MASTIC SEALS TO SERVICE PENETRATIONS WHERE SERVICES PENETRATE FULL HEIGHT WALLS INTO HABITABLE SPACES

NOTE: WALLS MARKED '**A**' REQUIRE ACOUSTIC INSULATION

NOTE: ALL WALL SETOUT DIMENSIONS ARE TO FACE OF STUDS UNLESS NOTED OTHERWISE.

GENERAL NOTES

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5. MAKE GOOD ALL AFFECTED SURFACES & FINISHES INCLUDING ITEMS MARKED FOR REMOVAL &/OR RELOCATION
6. THE CONTRACTOR IS TO ALLOW TO SAND AND RE-FINISH ALL BRUSHBOX NOMINATED TO BE RE-USED THE WORKS. THIS BRUSHBOX IS TO BE INCORPORATED WHEREVER POSSIBLE WHERE **WTM-02** IS NOMINATED

Issue	Description	Drwn	Apvd	Date
A	50% COORDINATION ISSUE	LiF		26/05/2017
C	85% COORDINATION ISSUE	PRB		20/10/2017
D	CONSULTANT COORDINATION ISSUE	PRB		17/11/2017
E	100% TENDER REVIEW ISSUE	PRB		20/12/2017
F	FOR TENDER	RB		06/04/2018
J	COORDINATION ISSUE	HF		29/11/2018
K	FOR TENDER REVIEW	HF		14/12/2018
L	FOR TENDER	AR		08/02/2019

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ABN 22 476 949 399
www.armarchitecture.com.au

0 10 20 30 40 50 60 70 80 90 100 MILLIMETRES ON ORIGINAL

LEGEND - SCOPE

(THIS LEGEND APPLIES TO ALL NEW CONSTRUCTION PHASE DRAWINGS. DOES NOT APPLY TO EXISTING CONDITIONS DRAWINGS)

- AREA SHOWN IN GREY WASH DEPICTS SCOPE OF NO NEW WORKS
- AREA SHOWN IN WHITE WASH DEPICTS SCOPE OF NEW WORKS
- AREA SURROUNDED BY GREEN DASHED LINES DEPICTS TENDER OPTION

SOHT GENERAL NOTES

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Location — North

Status: FOR TENDER

Contract: BDM-168

Dwn RB | Date 08/02/2019

Ckd AH | Scale 1:50@B1

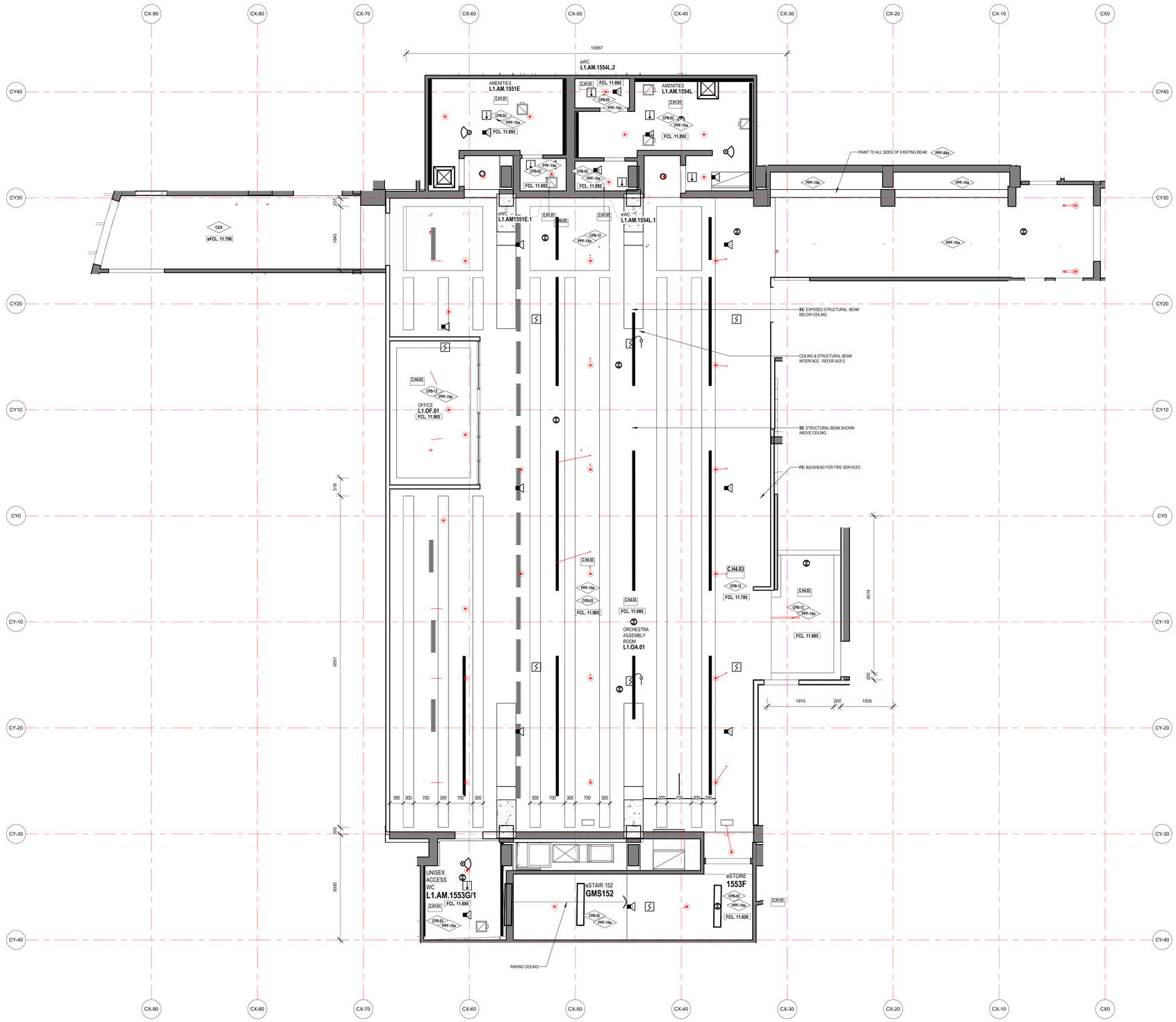
Project: BUILDING RENEWAL PROJECT - CONCERT HALL

Title: DETAIL PLAN - ORCHESTRA ASSEMBLY ROOM L1-OA-01 - LEVEL 1 +30

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Location	Drawing No:	Sheet:	Rev:	
CHVA	49-BR-ARM01	A5310	L	B1



1 / A1505 DETAIL RCP - ORCHESTRA ASSEMBLY ROOM L1-OA-01 - LEVEL 1 +30

1 : 50

LEGEND - CEILING MATERIAL TYPES

REFER TO A0301 INTERNAL MATERIALS & FINISHES SCHEDULE FOR SPECIFIC TYPES & DETAILED/PROPRIETARY DESCRIPTION

CAI	INSULATION
CEX	EXISTING CEILING/SOFFIT TO REMAIN
CMC	METAL CLADDING
CNC	NO CEILING
CPB	PLASTERBOARD
CTV	TIMBER VENEER
PAF	PAINT & APPLIED COATING TYPES
U/S	U/S OF EXPOSED CONCRETE SOFFIT
e	'ANYTHING PREFIXED WITH e DENOTES EXISTING'
C.O.S	CONFIRM ON SITE
TBC	TO BE CONFIRMED
RL.	REDUCED OR RELATIVE LEVEL
AFFL	ABOVE FINISHED FLOOR LEVEL
eFCL.	EXISTING FINISHED CEILING LEVEL
FCL. X.XXX	FINISHED CEILING LEVEL
	EXISTING RETAINED ARCHITECTURAL ELEMENT TO BE RE-INSTATED TO ORIGINAL SITE CONDITIONS
SE:	'ANYTHING PREFIXED WITH **SE:** REFER TO STRUCTURAL ENGINEERS' DRAWINGS
ME:	'ANYTHING PREFIXED WITH **ME:** REFER TO MECHANICAL ENGINEERS' DRAWINGS
FE:	'ANYTHING PREFIXED WITH **FE:** REFER TO FIRE ENGINEERS' DRAWINGS
EE:	'ANYTHING PREFIXED WITH **EE:** REFER TO ELECTRICAL ENGINEERS' DRAWINGS
HE:	'ANYTHING PREFIXED WITH **HE:** REFER TO HYDRAULIC ENGINEERS' DRAWINGS
TS:	'ANYTHING PREFIXED WITH **TS:** REFER TO THEATER SPECIALISTS' DRAWINGS

LEGEND - CEILING FIXTURES & FITTINGS

FOR MECHANICAL LEGEND REFER TO **M0001**
FOR FIRE PROTECTION SERVICES LEGEND REFER TO **F001**
FOR ELECTRICAL SERVICES LEGEND REFER TO **E0001**
FOR THEATER SPECIALIST LEGEND REFER TO **T0001**
*SPECIALIST LIGHTING TO BE CONFIRMED IN SCOPE
*ALL FINAL LOCATION TO BE COORDINATED WITH SERVICES DRAWINGS. EXISTING FIXTURE & FITTING LOCATION TO BE C.O.S

	SMOKE DETECTOR
EX	EXIT SIGN INCLUDING LED LIGHT
EX W	WALL MOUNTED EXIT SIGN INCLUDING LED LIGHT
EX RUNNING MAN	EXIT SIGN INCLUDING LED LIGHT WITH DIRECTIONAL ARROW
BEM-01	EMERGENCY LIGHTING
CCTV	SECURITY CAMERA
	SPRINKLERS
	FIRE HYDRANT POINT
	FIRE HOSE REEL
OS	WALL MOUNT OCCUPANCY SENSOR
OS	CEILING MOUNT OCCUPANCY SENSOR
D#	DOWNLIGHT
PL	PENDANT LINEAR LIGHT - LED
F#	FLOURESCENT LIGHT FIXTURE
PC	PEOPLE COUNTER
CAH	CEILING ACCESS HATCH
	SPEAKER
	VISUAL ALARM DEVICE
	RIGGING POINT
	CEILING MOUNTED RETURN, EXHAUST OR TRANSFER GRILLE
	CEILING MOUNTED SUPPLY AIR DIFFUSER
	AIR GRILLE

NOTE: LIGHTING SPECIFICATION. REFER ELECTRICAL DRAWINGS, SPECIFICATION & LUMINAIRE SCHEDULE..

LEGEND - CEILING SYSTEM CODES

CODE	DESCRIPTION
C.H1-0.01-99	HANGING - SUSPENDED CEILINGS
C.S1-0.01-99	STEEL FRAMED CEILINGS
C.T1-0.01-99	TIMBER FRAMED CEILINGS
C.G1-0.01-99	GLAZED CEILING SYSTEMS
C.L1-0.01-99	LININGS (CEILINGS SUPPORTED BY OTHER CEILINGS)

SCHEDULE (CEILING)
CATEGORY (CEILING)
TYPE (CEILING)
SPECIFIC (CEILING)
C.XX.XX CEILING TYPE
F S A FSA TYPE
ACOUSTIC CEILINGS TO ACOUSTIC ENGINEERS REQUIRED RATING
SMOKE CEILINGS
FIRE RATED CEILINGS

CEILING TYPE TAG:
REFER TO DWG A0412 FOR DETAILS & DESCRIPTION

NOTE: CEILINGS MARKED 'A' REQUIRING ACOUSTIC INSULATION ADDITIONAL TO DOCUMENTED EXTENT TO BE CONFIRMED BY ACOUSTIC ENGINEER

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C	85% COORDINATION ISSUE	PRB		20/10/2017
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E	100% TENDER REVIEW ISSUE	PRB		20/12/2017
F	FOR TENDER	RB		06/04/2018
J	COORDINATION ISSUE	HF		29/11/2018
K	FOR TENDER REVIEW	HF		14/12/2018
L	FOR TENDER	AR		08/02/2019

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0 10 20 30 40 50 60 70 80 90 100 MILLIMETRES ON ORIGINAL

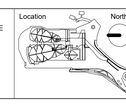
LEGEND - SCOPE
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Location  North

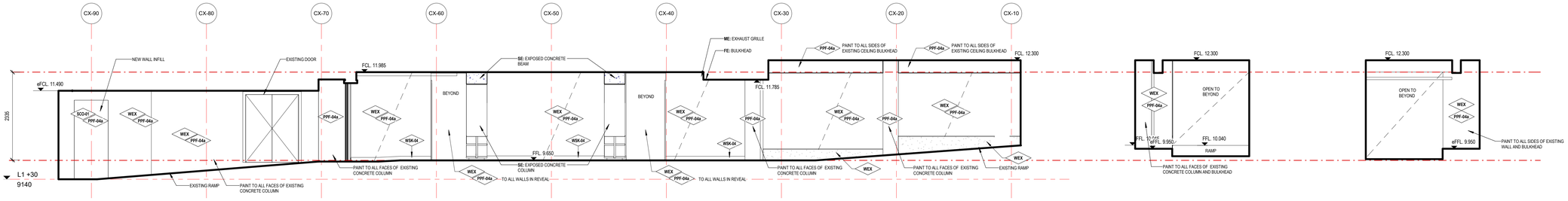
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Contract: BDM-168
Dwn RB Date 08/2/2019
Ckd AH Scale 1:50@B1

Project: BUILDING RENEWAL PROJECT - CONCERT HALL
Title: DETAIL RCP - ORCHESTRA ASSEMBLY ROOM L1-OA-01 - LEVEL 1 +30

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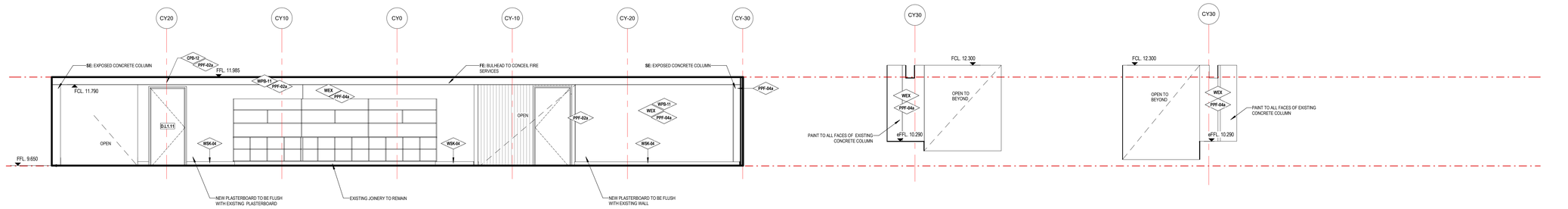
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1 A5310 — INTERIOR ELEVATION 1 - ORCHESTRA ASSEMBLY ROOM L1.OA.01
1 : 50

5 A5310 — INTERIOR ELEVATION 5 - ORCHESTRA ASSEMBLY ROOM L1.OA.01
1 : 50

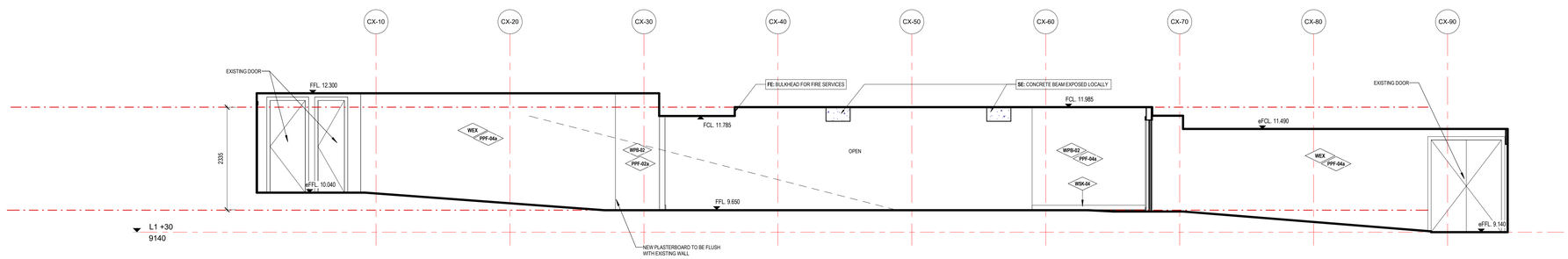
6 A5310 — INTERIOR ELEVATION 6 - ORCHESTRA ASSEMBLY ROOM L1.OA.01
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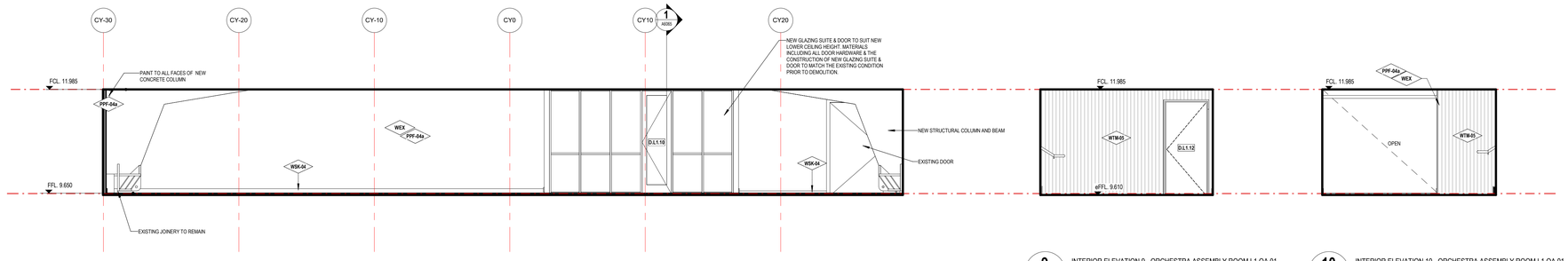
2 A5310 — INTERIOR ELEVATION 2 - ORCHESTRA ASSEMBLY ROOM L1.OA.01
1 : 50

7 A5310 — INTERIOR ELEVATION 7 - ORCHESTRA ASSEMBLY ROOM L1.OA.01
1 : 50

8 A5310 — INTERIOR ELEVATION 8 - ORCHESTRA ASSEMBLY ROOM L1.OA.01
1 : 50



3 A5310 — INTERIOR ELEVATION 3 - ORCHESTRA ASSEMBLY ROOM L1.OA.01
1 : 50



4 A5310 — INTERIOR ELEVATION 4 - ORCHESTRA ASSEMBLY ROOM L1.OA.01
1 : 50

9 A5310 — INTERIOR ELEVATION 9 - ORCHESTRA ASSEMBLY ROOM L1.OA.01
1 : 50

10 A5310 — INTERIOR ELEVATION 10 - ORCHESTRA ASSEMBLY ROOM L1.OA.01
1 : 50

LEGEND - INTERNAL MATERIALS & FINISHES

REFER TO A0301 INTERNAL MATERIALS & FINISHES SCHEDULE FOR SPECIFIC TYPES & DETAILED/PROPRIETARY DESCRIPTION

CODE	DESCRIPTION
F	**FLOORS/FLOOR COMPONENTS**
FAW	ACESS WALKWAY
FAH	FLOOR ACCESS HATCH
FEX	EXISTING FLOOR
FCA	CARPET
FCF	CONCRETE FINISH
FCO	CONCRETE
FCJ	CONTROL JOINT
FEJ	EXPANSION JOINT
FFJ	FALSE JOINT
FLA	FLOOR LADDER
FLI	LINOLEUM
FPL	PLATE
FSN	STAIR NOSING
FTI	FLOOR TILES
FTM	TIMBER
FTS	TACTILE INDICATORS
FVI	VINYL
S	**STRUCTURAL COMPONENTS**
SMS	METAL STUDS
SCO	**SE:** CONCRETE
W	**WALLS/WALL COMPONENTS**
WBA	WALL BATTEN
WBL	MASONRY BLOCKWORK
WEX	EXISTING WALL
WFC	COMPRESSED FIBRE CEMENT
WMI	WALL MIRROR
WMC	METAL CLADDING
WPB	WALL PLASTERBOARD
WSK	SKIRTING
WTI	WALL TILES
WTM	TIMBER
WTV	TIMBER VENEER
C	**CEILING/SOFFILING COMPONENTS**
CAI	CEILING INSULATION
CEX	EXISTING CEILING/SOFFIT TO REMAIN
CMC	METAL CLADDING
CNC	NO CEILING
eCNC	EXISTING NO CEILING
CPB	PLASTERBOARD
CSU	SUSPENDED CEILING COMPONENTS
CTV	TIMBER VENEER
U/S	UNDERSIDE OF EXPOSED CONCRETE SOFFIT
eU/S	EXISTING UNDERSIDE OF EXPOSED CONCRETE SOFFIT
G	**GLAZING/GLASS COMPONENTS**
GGT	GLASS TYPES
M	**MISCELLANEOUS FIXTURES & FITTINGS**
MAC	MISCELLANEOUS ACCESSORIES
MBA	BALUSTRADES & SCREENS
MCU	CURTAIN
MFC	FIXED SHELF
MLK	LOCKER
MPR	PICTURE RAIL
MHR	HANDRAIL
B	**BUILDING SERVICES (MEP FIXTURES)**
BLI	LIFT
BFH	FIRE HYDRANT
BFR	FIRE HOSE REEL
P	**PAINT & APPLIED FINISHES**
PFR	FIRE RATED INTUMESCENT PAINT
PPF	PAINT TYPE
PPO	POWDERCOAT
PPR	PROTECTIVE COATING
PSR	SLIP RESISTANT COATING
PST	STAIN SYSTEM

SE:	'ANYTHING PREFIXED WITH **SE:** REFER TO STRUCTURAL/FACADE ENGINEERS DRAWINGS
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FE:	'ANYTHING PREFIXED WITH **FE:** REFER TO FIRE ENGINEERS DRAWINGS
EE:	'ANYTHING PREFIXED WITH **EE:** REFER TO ELECTRICAL ENGINEERS DRAWINGS
HE:	'ANYTHING PREFIXED WITH **HE:** REFER TO HYDRAULIC ENGINEERS DRAWINGS
TS:	'ANYTHING PREFIXED WITH **TS:** REFER TO THEATER CONSULTANTS DRAWINGS

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L	FOR TENDER	AR		08/02/2019

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0 10 20 30 40 50 60 70 80 90 100 MILLIMETRES ON ORIGINAL

LEGEND - SCOPE
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Location — North

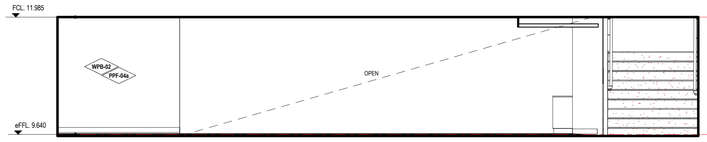
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Contract: BDM-168
Dwn RB Date 08/02/2019
Ckd AH Scale 1:50@B1

Project: BUILDING RENEWAL PROJECT - CONCERT HALL
Title: INTERIOR ELEVATIONS 1 - ORCHESTRA ASSEMBLY ROOM L1-OA-01 - LEVEL 1 +30

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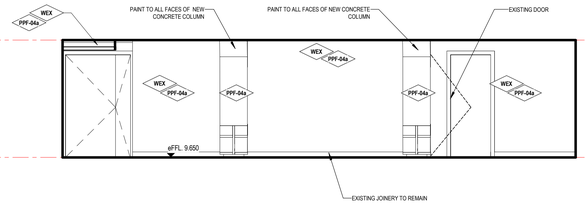
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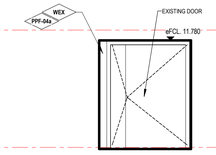
11 A5310 INTERIOR ELEVATION 11 - ORCHESTRA ASSEMBLY ROOM L1.OA.01

1 : 50



12 A5310 INTERIOR ELEVATION 12- ORCHESTRA ASSEMBLY ROOM L1.OA.01

1 : 50



13 A5310 INTERIOR ELEVATION 13 - ORCHESTRA ASSEMBLY ROOM L1.OA.01

1 : 50

LEGEND - INTERNAL MATERIALS & FINISHES

REFER TO A0301 INTERNAL MATERIALS & FINISHES SCHEDULE FOR SPECIFIC TYPES & DETAILED/PROPRIETARY DESCRIPTION

CODE DESCRIPTION

F FLOORS/FLOOR COMPONENTS
FAW ACESS WALKWAY
FAH FLOOR ACCESS HATCH
FEX EXISTING FLOOR
FCA CARPET
FCF CONCRETE FINISH
FCO CONCRETE
FCJ CONTROL JOINT
FEJ EXPANSION JOINT
FFJ FALSE JOINT
FLA FLOOR LADDER
FLI LINOLEUM
FPL PLATE
FSN STAIR NOSING
FTI FLOOR TILES
FTM TIMBER
FTS TACTILE INDICATORS
FVI VINYL

S STRUCTURAL COMPONENTS
SMS METAL STUDS
SCO **SE:** CONCRETE

W WALLS/WALL COMPONENTS
WBA WALL BATTEN
WBL MASONRY BLOCKWORK
WEX EXISTING WALL
WFC COMPRESSED FIBRE CEMENT
WMI WALL MIRROR
WMC METAL CLADDING
WPB WALL PLASTERBOARD
WSK SKIRTING
WTI WALL TILES
WTM TIMBER
WTV TIMBER VENEER

C CEILINGS/CEILING COMPONENTS
CAI CEILING INSULATION
CEX EXISTING CEILING/SOFFIT TO REMAIN
CMC METAL CLADDING
CNC NO CEILING
eCNC EXISTING NO CEILING
CPB PLASTERBOARD
CSU SUSPENDED CEILING COMPONENTS
CTV TIMBER VENEER
U/S UNDERSIDE OF EXPOSED CONCRETE SOFFIT
eU/S EXISTING UNDERSIDE OF EXPOSED CONCRETE SOFFIT

G GLAZING/GLASS COMPONENTS
GST GLASS TYPES

M MISCELLANEOUS FIXTURES & FITTINGS
MAC MISCELLANEOUS ACCESSORIES
MBA BALUSTRADES & SCREENS
MCU CURTAIN
MFC FIXED SHELF
MLK LOCKER
MPR PICTURE RAIL
MHR HANDRAIL

B BUILDING SERVICES (MEP FIXTURES)
BLI LIFT
BFH FIRE HYDRANT
BFR FIRE HOSE REEL

P PAINT & APPLIED FINISHES
PFR FIRE RATED INTUMESCENT PAINT
PPF PAINT TYPE
PPO POWDERCOAT
PPR PROTECTIVE COATING
PSR SLIP RESISTANT COATING
PST STAIN SYSTEM

SE: 'ANYTHING PREFIXED WITH **SE:** REFER TO STRUCTURAL/FACADE ENGINEERS DRAWINGS
ME: 'ANYTHING PREFIXED WITH **ME:** REFER TO MECHANICAL ENGINEERS DRAWINGS
FE: 'ANYTHING PREFIXED WITH **FE:** REFER TO FIRE ENGINEERS DRAWINGS
EE: 'ANYTHING PREFIXED WITH **EE:** REFER TO ELECTRICAL ENGINEERS DRAWINGS
HE: 'ANYTHING PREFIXED WITH **HE:** REFER TO HYDRAULIC ENGINEERS DRAWINGS
TS: 'ANYTHING PREFIXED WITH **TS:** REFER TO THEATER CONSULTANTS DRAWINGS

GENERAL NOTES

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4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ASSOCIATED SPECIFICATIONS, SCHEDULES & CONTRACT DOCUMENTS
5. MAKE GOOD ALL AFFECTED SURFACES & FINISHES INCLUDING ITEMS MARKED FOR REMOVAL &/OR RELOCATION
6. THE CONTRACTOR IS TO ALLOW TO SAND AND RE-FINISH ALL BRUSHBOX NOMINATED TO BE RE-USED THE WORKS. THIS BRUSHBOX IS TO BE INCORPORATED WHEREVER POSSIBLE WHERE **WTM-02** IS NOMINATED

Issue	Description	Drwn	Apvd	Date
A	50% COORDINATION ISSUE	LiF		29/05/2017
C	85% COORDINATION ISSUE	PRB		20/10/2017
D	CONSULTANT COORDINATION ISSUE	PRB		17/11/2017
E	100% TENDER REVIEW ISSUE	PRB		20/12/2017
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J	COORDINATION ISSUE	HF		29/11/2018
K	FOR TENDER REVIEW	HF		14/12/2018
L	FOR TENDER	AR		08/02/2019

0 10 20 30 40 50 60 70 80 90 100 MILLIMETRES ON ORIGINAL

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ABN 22 476 949 399
www.armarchitecture.com.au

LEGEND - SCOPE

(THIS LEGEND APPLIES TO ALL NEW CONSTRUCTION PHASE DRAWINGS. DOES NOT APPLY TO EXISTING CONDITIONS DRAWINGS)

AREA SHOWN IN GREY WASH DEPICTS SCOPE OF NO NEW WORKS

AREA SHOWN IN WHITE WASH DEPICTS SCOPE OF NEW WORKS

AREA SURROUNDED BY GREEN DASHED LINES DEPICTS TENDER OPTION

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Location North

Status: FOR TENDER

Contract: BDM-168

Dwn RB Date 08/2/2019

Ckd AH Scale 1:50@ B1

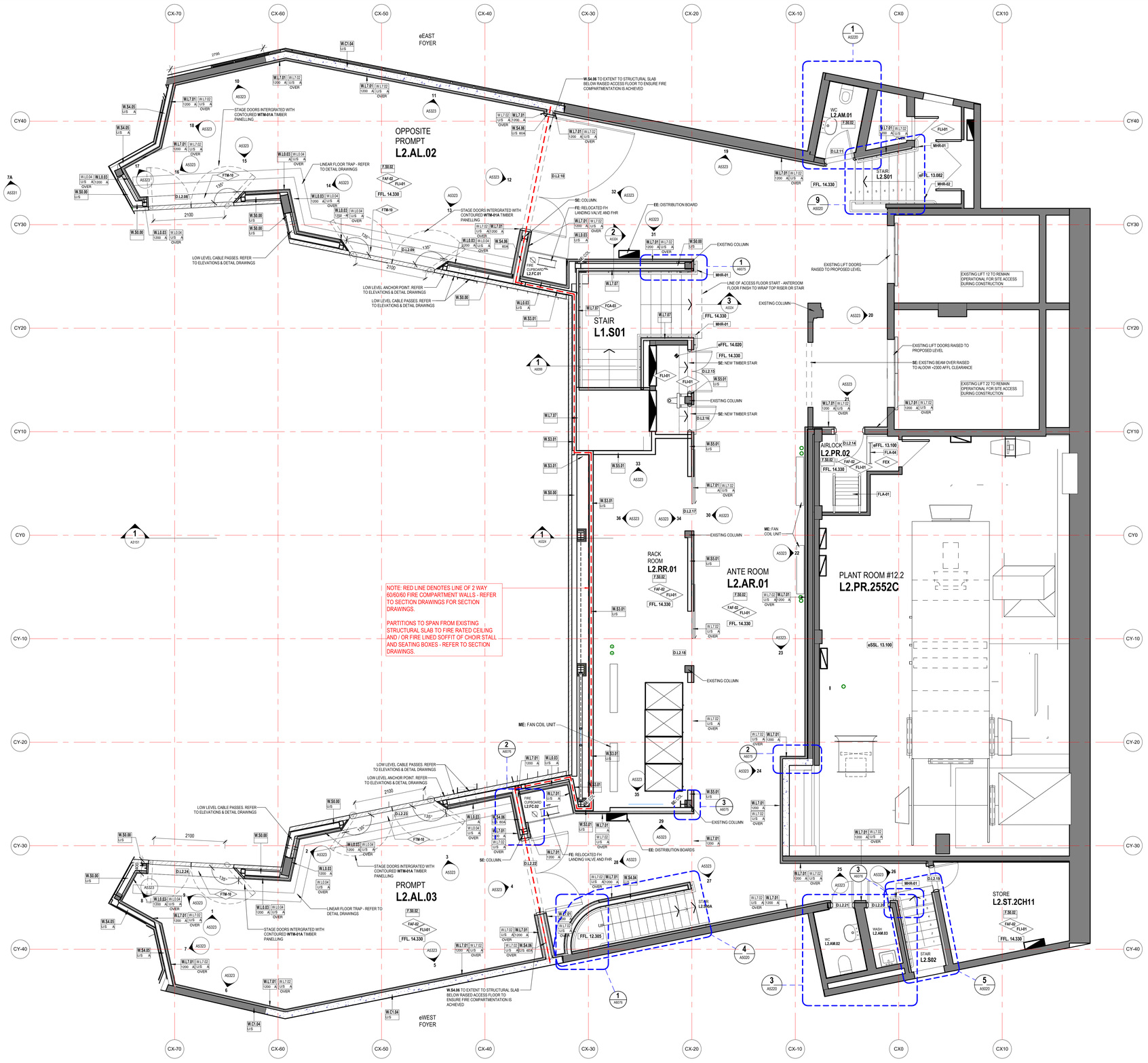
Project: BUILDING RENEWAL PROJECT - CONCERT HALL

Title: INTERIOR ELEVATIONS 2 - ORCHESTRA ASSEMBLY ROOM L1-OA-01 - LEVEL 1 +30

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Location	Drawing No:	Sheet:	Rev:	
CHVA	49-BR-ARM01	A5313	L	B1



1 A1206 DETAIL PLAN - ANTE ROOM, PROMPT & OPPOSITE PROMPT - LEVEL 2 +42

1 : 50

LEGEND - FLOOR SYSTEM CODES

CODE	DESCRIPTION
SCHEDULE CATEGORY TYPE SPECIFIC	
F.C1-0.01-99	CONCRETE FLOORS
F.S1-0.01-99	STEEL FRAMED FLOORS
F.T1-0.01-99	TIMBER FRAMED FLOORS
F.G1-0.01-99	GLAZED FLOOR SYSTEMS
F.L1-0.01-99	LININGS (FLOORS SUPPORTED BY OTHER FLOORS)

SCHEDULE (FLOOR) / CATEGORY (FLOOR) / TYPE (FLOOR) / SPECIFIC (FLOOR)

F.XX.XX FLOOR TYPE

F S A FSA TYPE

ACOUSTIC FLOORS TO ACOUSTIC ENGINEERS REQUIRED RATING / SMOKE FLOORS / FIRE RATED FLOORS

FLOOR TYPE TAG:
REFER TO DWG A0411 FOR DETAILS & DESCRIPTION

LEGEND - ELEC/MECH AND THEATER FIXTURES AND FITTINGS

FOR MECHANICAL LEGEND REFER TO **MXXXX**
FOR THEATER SPECIALIST LEGEND REFER TO **FXXXX**
FOR ELECTRICAL SERVICES LEGEND REFER TO **EXXXX**
*SPECIALIST LIGHTING TO BE CONFIRMED IN SCOPE
*ALL FINAL LOCATION TO BE COORDINATED WITH SERVICES DRAWINGS.

POWER

- MAIN SWITCHBOARD
- DISTRIBUTION BOARD
- CONTROL PANEL
- ISOLATOR FOR PERMANENT CONNECTIONS
- DEDICATED RATED OUTLET ABOVE 10A
- DOUBLE 10A GENERAL PURPOSE OUTLET
- SINGLE 10A GENERAL PURPOSE OUTLET
- SP SP SP — EARTHED SOUND POWER OUTLET COLOURED 'GREEN'

COMMUNICATIONS

- MDF — MAIN DISTRIBUTION FRAME
- IDF — INTERMEDIATE DISTRIBUTION FRAME
- C# — GENERAL AND THEATRE USE COMMUNICATIONS OUTLET
- F# — FIBRE OPTIC OUTLET
- WAP — WIRELESS ACCESS POINT
- COMMUNICATIONS RACK/CABINET
- COMMUNICATIONS HUB OR NETWORK SWITCH IN SMALL RACK OR CABINET
- CALL POINT EMERGENCY PUSH BUTTON TO ACCESSIBLE TOILETS

LEGEND - INTERNAL MATERIALS & FINISHES

REFER TO A0301 INTERNAL MATERIALS & FINISHES SCHEDULE FOR SPECIFIC TYPES & DETAILED/PROPRIETARY DESCRIPTION

CODE	DESCRIPTION
F	**FLOORS/FLOOR COMPONENTS**
FAW	ACESS WALKWAY
FAH	FLOOR ACCESS HATCH
FEX	EXISTING FLOOR
FCA	CARPET
FCF	CONCRETE FINISH
FCO	CONCRETE
FCJ	CONTROL JOINT
FEJ	EXPANSION JOINT
FFJ	FALSE JOINT
FLA	FLOOR LADDER
FLI	LINOLEUM
FPL	PLATE
FSN	STAIR NOSING
FTI	FLOOR TILES
FTM	TIMBER
FTS	TACTILE INDICATORS
FVI	VINYL
S	**STRUCTURAL COMPONENTS**
SMS	METAL STUDS
SCO	**SE:** CONCRETE
W	**WALLS/WALL COMPONENTS**
WBA	WALL BATTEN
WBL	MASONRY BLOCKWORK
WEX	EXISTING WALL
WFC	COMPRESSED FIBRE CEMENT
WMI	WALL MIRROR
WMC	METAL CLADDING
WPB	WALL PLASTERBOARD
WSK	SKIRTING
WTI	WALL TILES
WTM	TIMBER
WTV	TIMBER VENEER
C	**CEILINGS/CEILING COMPONENTS**
CAI	CEILING INSULATION
CEX	EXISTING CEILING/SOFFIT TO REMAIN
CMC	METAL CLADDING
CNC	NO CEILING
eCNC	EXISTING NO CEILING
CPB	PLASTERBOARD
CSU	SUSPENDED CEILING COMPONENTS
CTV	TIMBER VENEER
UIS	UNDERSIDE OF EXPOSED CONCRETE SOFFIT
eUS	EXISTING UNDERSIDE OF EXPOSED CONCRETE SOFFIT
G	**GLAZING/GLASS COMPONENTS**
GGT	GLASS TYPES
M	**MISCELLANEOUS FIXTURES & FITTINGS**
MAC	MISCELLANEOUS ACCESSORIES
MBA	BALUSTRADES & SCREENS
MCU	CURTAIN
MFC	FIXED SHELF
MLK	LOCKER
MPR	PICTURE RAIL
MHR	HANDRAIL
B	**BUILDING SERVICES (MEP FIXTURES)**
BLI	LIFT
BFH	FIRE HYDRANT
BFR	FIRE HOSE REEL
P	**PAINT & APPLIED FINISHES**
PFR	FIRE RATED INTUMESCENT PAINT
PPF	PAINT TYPE
PPO	POWDERCOAT
PPR	PROTECTIVE COATING
PSR	SLIP RESISTANT COATING
PST	STAIN SYSTEM

LEGEND - WALL SYSTEM CODES

CODE	DESCRIPTION
SCHEDULE CATEGORY TYPE SPECIFIC	
W.M1-0.01-99	MASONARY BLOCKWORK (FULL HEIGHT)
W.B1-0.01-99	MASONARY BRICK
W.C1-0.01-99	CONCRETE WALLS
W.S1-0.01-99	STEEL STUD FRAMED WALLS (FULL HEIGHT WALLS)
W.T1-0.01-99	TIMBER STUD WALLS (FULL HEIGHT WALLS)
W.G1-0.01-99	INTERNAL GLAZED WALLS
W.P1-0.01-99	PARTITION WALLS (UNDERSIDE OF pFCL)
W.L1-0.01-99	INTERNAL LININGS/CLADDINGS (WALLS SUPPORTED BY OTHER WALLS/COLUMNS)
X.F1-0.01-99	FACADE SYSTEMS (EXTERNAL WALLS, INCL CURTAIN WALLS)
X.R1-0.01-99	RAINSCREEN WALLS (EXTERNAL RAINSCREENS SUPPORTED BY OTHER WALLS)

SCHEDULE (WALL) / CATEGORY (WALL) / TYPE (WALL) / SPECIFIC (WALL)

W.XX.XX WALL TYPE

2400 FSA LINING HEIGHT & FSA TYPE

ACOUSTIC WALLS TO ACOUSTIC ENGINEERS REQUIRED RATING / SMOKE WALLS / FIRE RATED WALLS

HEIGHT OF WALL LINING AFFL.
UIS = FRAME + LINING TO U/S OF STRUCTURE OVER
B = ALL WALLS WHICH EXCEED NOMINATED HEIGHT BY SUPPLIER TO BE BRACED ABOVE CEILING & CO-ORDINATED WITH SERVICES

WALL TYPE TAG:
REFER TO DWG A0410 FOR DETAILS & DESCRIPTION

NOTE: BMT & SPACING REQUIREMENTS FOR ALL WALL FRAMING TO BE AS PER MANUFACTURERS RECOMMENDATIONS FOR NOMINATED FRAME SIZE & HEIGHT.

FINISHES:
REFER A0301 INTERNAL MATERIALS & FINISHES LEGEND. FOR LOCATION REFER TO INTERNAL ELEVATIONS

NOTE: PROVIDE MASTIC SEALS TO SERVICE PENETRATIONS WHERE SERVICES PENETRATE FULL HEIGHT WALLS INTO HABITABLE SPACES

NOTE: WALLS MARKED '**A**' REQUIRE ACOUSTIC INSULATION

NOTE: ALL WALL SETOUT DIMENSIONS ARE TO FACE OF STUDS UNLESS NOTED OTHERWISE.

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Issue	Description	Drwn	Apvd	Date
16	CONSULTANT CO-ORDINATION ISSUE	JJF		03/02/2017
17	100% DESIGN DEVELOPMENT ISSUE	JJF		20/02/2017
A	50% COORDINATION ISSUE	JJF		26/05/2017
C	85% COORDINATION ISSUE	PRB		20/10/2017
D	CONSULTANT COORDINATION ISSUE	PRB		17/11/2017
E	100% TENDER REVIEW ISSUE	PRB		20/12/2017
F	FOR TENDER	RB		06/04/2018
J	COORDINATION ISSUE	HF		29/11/2018
K	FOR TENDER REVIEW	HF		14/12/2018
L	FOR TENDER	AR		08/02/2019

0 10 20 30 40 50 60 70 80 90 100 MILLIMETRES ON ORIGINAL

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LEGEND - SCOPE
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F.50.02

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Location — North

Status: FOR TENDER

Contract: BDM-168

Dwn RB | Date 08/02/2019

Ckd AH | Scale 1:50@B1

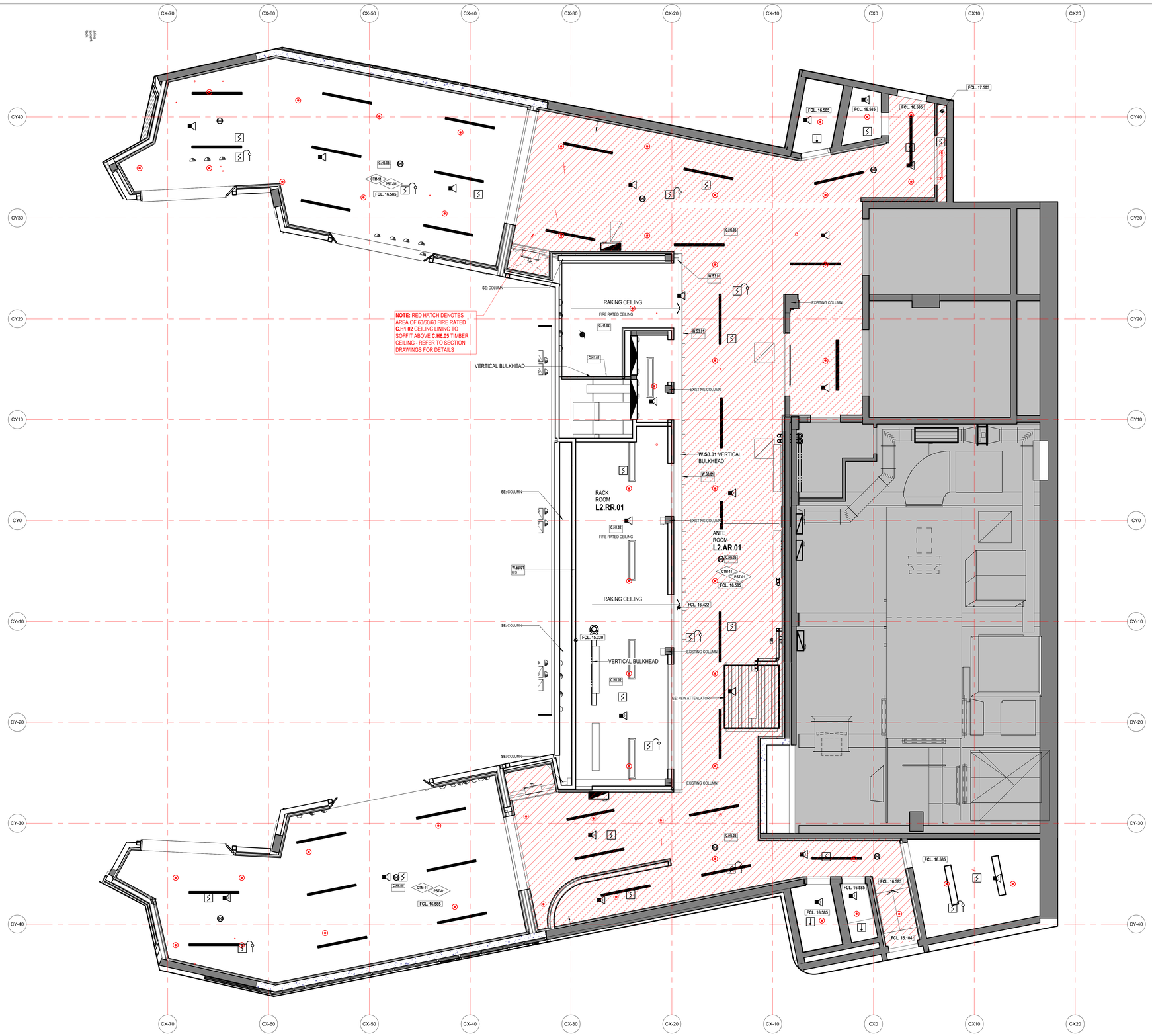
Project: BUILDING RENEWAL PROJECT - CONCERT HALL

Title: DETAIL PLAN - ANTE ROOM, PROMPT & OPPOSITE PROMPT - LEVEL 2 +42

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Location	Drawing No:	Sheet:	Rev:
CH VA	49-BR-ARM01	A5321	L B1



1 A1506 DETAIL RCP - ANTE ROOM, PROMPT & OPPOSITE PROMPT - LEVEL 2 +42

1 : 50

LEGEND - CEILING MATERIAL TYPES

REFER TO LEGEND - INTERNAL MATERIALS & FINISHES FOR CEILING FINISHES

e	'ANYTHING PREFIXED WITH e DENOTES EXISTING'
C.O.S	CONFIRM ON SITE
TBC	TO BE CONFIRMED
RL	REDUCED OR RELATIVE LEVEL
AFFL	ABOVE FINISHED FLOOR LEVEL
eFCL.	EXISTING FINISHED CEILING LEVEL
FCL. X.XXX	FINISHED CEILING LEVEL

LEGEND - CEILING FIXTURES & FITTINGS

FOR MECHANICAL LEGEND REFER TO **MXXXX**
FOR FIRE PROTECTION SERVICES LEGEND REFER TO **FXXXX**
FOR ELECTRICAL SERVICES LEGEND REFER TO **EXXXX**
*SPECIALIST LIGHTING TO BE CONFIRMED IN SCOPE.
*ALL FINAL LOCATION TO BE COORDINATED WITH SERVICES DRAWINGS. EXISTING FIXTURE & FITTING LOCATION TO BE C.O.S

	SMOKE DETECTOR
EXIT	EXIT SIGN INCLUDING LED LIGHT
EXIT W	WALL MOUNTED EXIT SIGN INCLUDING LED LIGHT
EXIT	EXIT SIGN INCLUDING LED LIGHT WITH DIRECTIONAL ARROW
BEM-01	EMERGENCY LIGHTING
CCTV	SECURITY CAMERA
F	FLUSH CONCEALED FULLY RECESSED SPRINKLER
S	SEMI RECESSED SPRINKLER
E	EXPOSED SPRINKLER
D	EXPOSED DROPPER MOUNTED SPRINKLER
OS	WALL MOUNT OCCUPANCY SENSOR
OS	CEILING MOUNT OCCUPANCY SENSOR
D#	DOWNLIGHT
PL	PENDANT LINEAR LIGHT - LED
F#	FLOURESCENT LIGHT FIXTURE
PC	PEOPLE COUNTER
CAH	CEILING ACCESS HATCH
	SPEAKER
	RIGGING POINT

NOTE: LIGHTING SPECIFICATION. REFER ELECTRICAL DRAWINGS, SPECIFICATION & LUMINAIRE SCHEDULE.

LEGEND - INTERNAL MATERIALS & FINISHES

REFER TO A0301 INTERNAL MATERIALS & FINISHES SCHEDULE FOR SPECIFIC TYPES & DETAILED/PROPRIETARY DESCRIPTION

CODE	DESCRIPTION
F	**FLOORS/FLOOR COMPONENTS**
FAW	ACESS WALKWAY
FAH	FLOOR ACCESS HATCH
FEX	EXISTING FLOOR
FCA	CARPET
FCF	CONCRETE FINISH
FCO	CONCRETE
FCJ	CONTROL JOINT
FEJ	EXPANSION JOINT
FFJ	FALSE JOINT
FLA	FLOOR LADDER
FLI	LINOLEUM
FPL	PLATE
FSN	STAIR NOSING
FTI	FLOOR TILES
FTM	TIMBER
FTS	TACTILE INDICATORS
FVI	VINYL
S	**STRUCTURAL COMPONENTS**
SMS	METAL STUDS
SCO	**SE:** CONCRETE
W	**WALLS/WALL COMPONENTS**
WBA	WALL BATTEN
WBL	MASONRY BLOCKWORK
WEX	EXISTING WALL
WFC	COMPRESSED FIBRE CEMENT
WMI	WALL MIRROR
WMC	METAL CLADDING
WPB	WALL PLASTERBOARD
WSK	SKIRTING
WTI	WALL TILES
WTM	TIMBER
WTV	TIMBER VENEER
C	**CEILINGS/CEILING COMPONENTS**
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CEX	EXISTING CEILING/SOFFIT TO REMAIN
CMC	METAL CLADDING
CNC	NO CEILING
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CPB	PLASTERBOARD
CSU	SUSPENDED CEILING COMPONENTS
CTV	TIMBER VENEER
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GGT	GLASS TYPES
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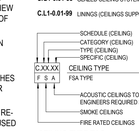
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LEGEND - CEILING SYSTEM CODES

CODE	DESCRIPTION
POSITIVE TYPE / NEGATIVE SPECIFIC	
C.H1-0.01-99	HANGING - SUSPENDED CEILINGS
C.S1-0.01-99	STEEL FRAMED CEILINGS
C.T1-0.01-99	TIMBER FRAMED CEILINGS
C.G1-0.01-99	GLAZED CEILING SYSTEMS
C.L1-0.01-99	LINNGS (CEILINGS SUPPORTED BY OTHER CEILINGS)



CEILING TYPE TAG:
REFER TO DWG A0412 FOR DETAILS & DESCRIPTION

NOTE: CEILINGS MARKED '**A**' REQUIRING ACOUSTIC INSULATION ADDITIONAL TO DOCUMENTED EXTENT TO BE CONFIRMED BY ACOUSTIC ENGINEER

Issue	Description	Drwn	Apvd	Date
A	50% COORDINATION ISSUE	LJF		26/05/2017
C	95% COORDINATION ISSUE	PRB		20/10/2017
D	CONSULTANT COORDINATION ISSUE	PRB		17/11/2017
E	100% TENDER REVIEW ISSUE	PRB		20/12/2017
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L	FOR TENDER	AR		08/02/2019

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ABN 22 476 949 399
www.armarchitecture.com.au

0 10 20 30 40 50 60 70 80 90 100 MILLIMETRES ON ORIGINAL

LEGEND - SCOPE

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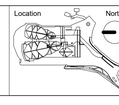
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Location



Status	FOR TENDER		
Contract	BDM-168		
Dwn	RB	Date	08/02/2019
Ckd	AH	Scale	1:50@ B1

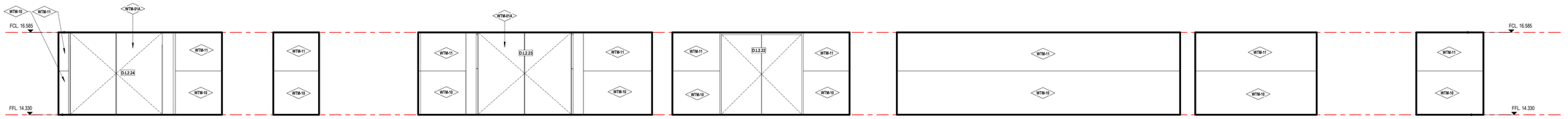
Project: BUILDING RENEWAL PROJECT - CONCERT HALL

Title: DETAIL RCP - ANTE ROOM, PROMPT & OPPOSITE PROMPT - LEVEL 2 +42

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Location	Drawing No:	Sheet:	Rev:	
CHVA	49-BR-ARM01	A5322	L	B1



1 A5321 INTERIOR ELEVATION 1 - PROMPT ROOM - L2.PT.01 — 1 : 50

2 A5321 INTERIOR ELEVATION 2 - PROMPT ROOM - L2.PT.01 — 1 : 50

3 A5321 INTERIOR ELEVATION 3 - PROMPT ROOM - L2.PT.01 — 1 : 50

4 A5321 INTERIOR ELEVATION 4 - PROMPT ROOM - L2.PT.01 — 1 : 50

5 A5321 INTERIOR ELEVATION 5 - PROMPT ROOM - L2.PT.01 — 1 : 50

6 A5321 INTERIOR ELEVATION 6 - PROMPT ROOM - L2.PT.01 — 1 : 50

7 A5321 INTERIOR ELEVATION 7 - PROMPT ROOM - L2.PT.01 — 1 : 50

8 A5321 INTERIOR ELEVATION 8 - PROMPT ROOM - L2.PT.01 — 1 : 50

9 A5321 INTERIOR ELEVATION 9 - PROMPT ROOM - L2.PT.01 — 1 : 50

10 A5321 INTERIOR ELEVATION 10 - OPPOSITE PROMPT - L2.OP.01 — 1 : 50

11 A5321 INTERIOR ELEVATION 11 - OPPOSITE PROMPT - L2.OP.01 — 1 : 50

12 A5321 INTERIOR ELEVATION 12 - OPPOSITE PROMPT - L2.OP.01 — 1 : 50

13 A5321 INTERIOR ELEVATION 13 - OPPOSITE PROMPT - L2.OP.01 — 1 : 50

14 A5321 INTERIOR ELEVATION 14 - OPPOSITE PROMPT - L2.OP.01 — 1 : 50

15 A5321 INTERIOR ELEVATION 15 - OPPOSITE PROMPT - L2.OP.01 — 1 : 50

16 A5321 INTERIOR ELEVATION 16 - OPPOSITE PROMPT - L2.OP.01 — 1 : 50

17 A5321 INTERIOR ELEVATION 17 - OPPOSITE PROMPT - L2.OP.01 — 1 : 50

18 A5321 INTERIOR ELEVATION 18 - OPPOSITE PROMPT - L2.OP.01 — 1 : 50

19 A5220 INTERIOR ELEVATION 19 - ANTE ROOM - L2.AR.01 — 1 : 50

20 A5220 INTERIOR ELEVATION 20 - ANTE ROOM - L2.AR.01 — 1 : 50

21 A5321 INTERIOR ELEVATION 21 - ANTE ROOM - L2.AR.01 — 1 : 50

22 A5321 INTERIOR ELEVATION 22 - ANTE ROOM - L2.AR.01 — 1 : 50

24 A5321 INTERIOR ELEVATION 24 - ANTE ROOM - L2.AR.01 — 1 : 50

25 A5321 INTERIOR ELEVATION 25 - ANTE ROOM - L2.AR.01 — 1 : 50

27 A5321 INTERIOR ELEVATION 27 - ANTE ROOM - L2.AR.01 — 1 : 50

28 A5321 INTERIOR ELEVATION 28 - ANTE ROOM - L2.AR.01 — 1 : 50

23 A5321 INTERIOR ELEVATION 23 - ANTE ROOM - L2.AR.01 — 1 : 50

26 A5321 INTERIOR ELEVATION 26 - ANTE ROOM - L2.AR.01 — 1 : 50

29 A5321 INTERIOR ELEVATION 29 - ANTE ROOM - L2.AR.01 — 1 : 50

30 A5321 INTERIOR ELEVATION 30 - ANTE ROOM - L2.AR.01 — 1 : 50

31 A5321 INTERIOR ELEVATION 31 - ANTE ROOM - L2.AR.01 — 1 : 50

32 A5321 INTERIOR ELEVATION 32 - ANTE ROOM - L2.AR.01 — 1 : 50

33 A5321 INTERIOR ELEVATION 33 - RACK ROOM - L2.RR.01 — 1 : 50

34 A5321 INTERIOR ELEVATION 34 - RACK ROOM - L2.RR.01 — 1 : 50

35 A5321 INTERIOR ELEVATION 35 - RACK ROOM - L2.RR.01 — 1 : 50

36 A5321 INTERIOR ELEVATION 36 - RACK ROOM - L2.RR.01 — 1 : 50

LEGEND - INTERNAL MATERIALS & FINISHES

REFER TO A0301 INTERNAL MATERIALS & FINISHES SCHEDULE FOR SPECIFIC TYPES & DETAILED/PROPRIETARY DESCRIPTION

CODE	DESCRIPTION
F	**FLOORS/FLOOR COMPONENTS**
FAW	ACCESS WALKWAY
FAH	FLOOR ACCESS HATCH
FEX	EXISTING FLOOR
FCA	CARPET
FCF	CONCRETE FINISH
FCO	CONCRETE
FCJ	CONTROL JOINT
FEJ	EXPANSION JOINT
FFJ	FALSE JOINT
FLA	FLOOR LADDER
FLI	LINOLEUM
FPL	PLATE
FSN	STAIR NOSING
FTI	FLOOR TILES
FTM	TIMBER
FTS	TACTILE INDICATORS
FVI	VINYL
S	**STRUCTURAL COMPONENTS**
SMS	METAL STUDS
SCO	**SE:** CONCRETE
W	**WALLS/WALL COMPONENTS**
WBA	WALL BATTEN
WBL	MASONRY BLOCKWORK
WEX	EXISTING WALL
WFC	COMPRESSED FIBRE CEMENT
WMI	WALL MIRROR
WMC	METAL CLADDING
WPB	WALL PLASTERBOARD
WSK	SKIRTING
WTI	WALL TILES
WTM	TIMBER
WTV	TIMBER VENEER
C	**CEILINGS/CEILING COMPONENTS**
CAI	CEILING INSULATION
CEX	EXISTING CEILING/SOFFIT TO REMAIN
CMC	METAL CLADDING
CNC	NO CEILING
eCNC	EXISTING NO CEILING
CPB	PLASTERBOARD
CSU	SUSPENDED CEILING COMPONENTS
CTV	TIMBER VENEER
UIS	UNDERSIDE OF EXPOSED CONCRETE SOFFIT
eUIS	EXISTING UNDERSIDE OF EXPOSED CONCRETE SOFFIT
G	**GLAZING/GLASS COMPONENTS**
GGT	GLASS TYPES
M	**MISCELLANEOUS FIXTURES & FITTINGS**
MAC	MISCELLANEOUS ACCESSORIES
MBA	BALUSTRADES & SCREENS
MCU	CURTAIN
MFC	FIXED SHELF
MLK	LOCKER
MPR	PICTURE RAIL
MHR	HANDRAIL
B	**BUILDING SERVICES (MEP FIXTURES)**
BLI	LIFT
BFH	FIRE HYDRANT
BFR	FIRE HOSE REEL
P	**PAINT & APPLIED FINISHES**
PFR	FIRE RATED INTUMESCENT PAINT
PPF	PAINT TYPE
PPO	POWDERCOAT
PPR	PROTECTIVE COATING
PSR	SLIP RESISTANT COATING
PST	STAIN SYSTEM

GENERAL NOTES

1. CONTRACTOR & SUB-CONTRACTORS TO CO-ORDINATE BETWEEN ARCHITECTURAL, STRUCTURAL & SERVICES DOCUMENTATION, WITH ARCHITECTURAL DOCUMENTATION TO TAKE PRECEDENT FOR SETOUT.
2. CONTRACTOR & SUB-CONTRACTORS TO VERIFY ALL DIMENSIONS & CONFIRM ON SITE CONDITIONS RELATING TO ALL DIMENSIONS PRIOR TO COMMENCEMENT - DO NOT SCALE FROM DRAWING
3. SHOP DRAWINGS ARE TO BE SUPPLIED TO THE RELEVANT PARTIES & CONSULTANTS FOR REVIEW & APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WORKS
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ASSOCIATED SPECIFICATIONS, SCHEDULES & CONTRACT DOCUMENTS
5. MAKE GOOD ALL AFFECTED SURFACES & FINISHES INCLUDING ITEMS MARKED FOR REMOVAL &/OR RELOCATION
6. THE CONTRACTOR IS TO ALLOW TO SAND AND RE-FINISH ALL BRUSHBOX NOMINATED TO BE RE-USED THE WORKS. THIS BRUSHBOX IS TO BE INCORPORATED WHEREVER POSSIBLE WHERE **WTM-02** IS NOMINATED

Issue	Description	Drwn	Apvd	Date
16	CONSULTANT CO-ORDINATION ISSUE	JJF		03/02/2017
17	100% DESIGN DEVELOPMENT ISSUE	JJF		20/02/2017
A	50% COORDINATION ISSUE	JJF		26/05/2017
C	85% COORDINATION ISSUE	PRB		20/10/2017
D	CONSULTANT COORDINATION ISSUE	PRB		17/11/2017
E	100% TENDER REVIEW ISSUE	PRB		20/12/2017
F	FOR TENDER	RB		06/04/2018
J	COORDINATION ISSUE	HF		29/11/2018
K	FOR TENDER REVIEW	HF		14/12/2018
L	FOR TENDER	AR		08/02/2019

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0 10 20 30 40 50 60 70 80 90 100 MILLIMETRES ON ORIGINAL

LEGEND - SCOPE

(THIS LEGEND APPLIES TO ALL NEW CONSTRUCTION PHASE DRAWINGS. DOES NOT APPLY TO EXISTING CONDITIONS DRAWINGS)

- AREA SHOWN IN GREY WASH DEPICTS SCOPE OF NO NEW WORKS
- AREA SHOWN IN WHITE WASH DEPICTS SCOPE OF NEW WORKS
- AREA SURROUNDED BY GREEN DASHED LINES DEPICTS TENDER OPTION

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Location — North

Status: FOR TENDER

Contract: BDM-168

Dwn RB Date 08/02/2019

Ckd AH Scale 1:50@B1

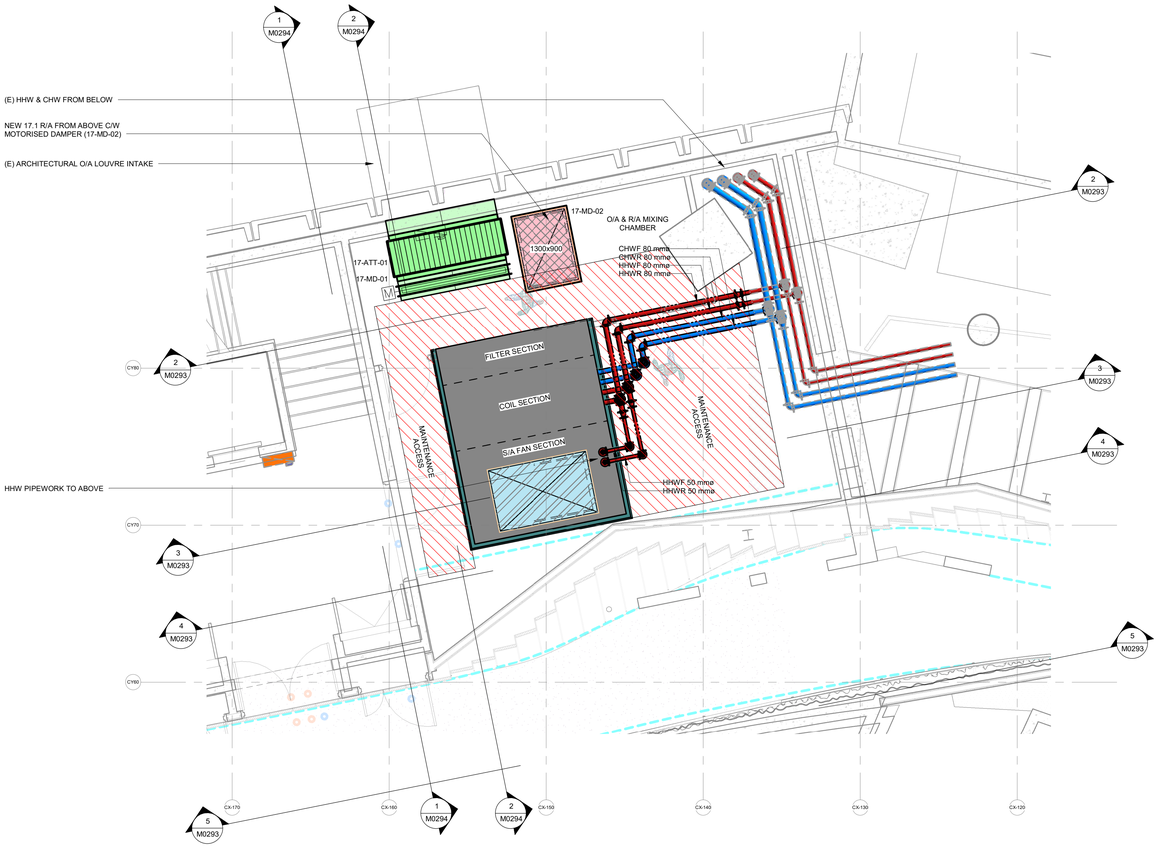
Project: BUILDING RENEWAL PROJECT - CONCERT HALL

Title: INTERIOR ELEVATIONS - ANTE ROOM, PROMPT & OPPOSITE PROMPT - LEVEL 2 +42

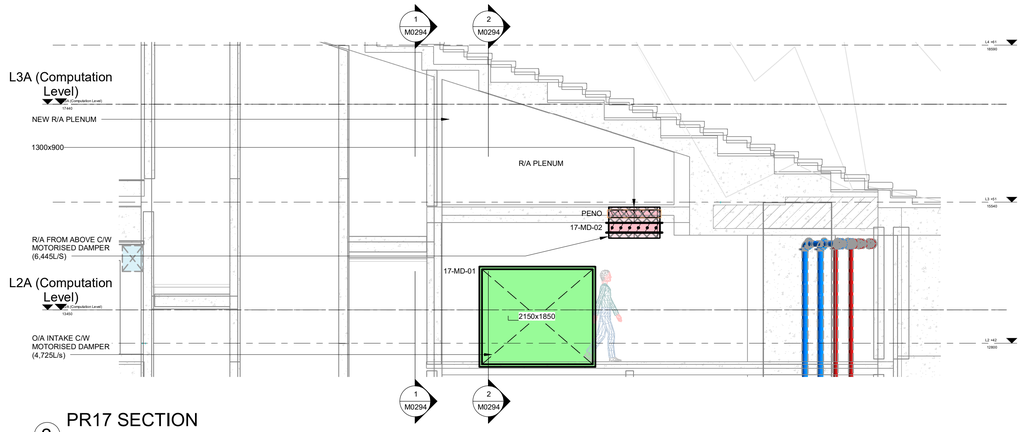
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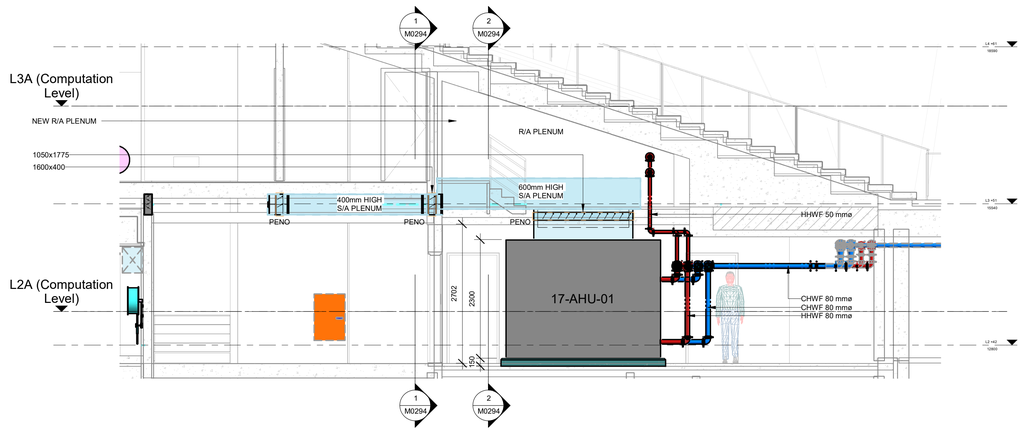
Location	Drawing No:	Sheet:	Rev:
CH VA	49-BR-ARM01	A5323	L B1



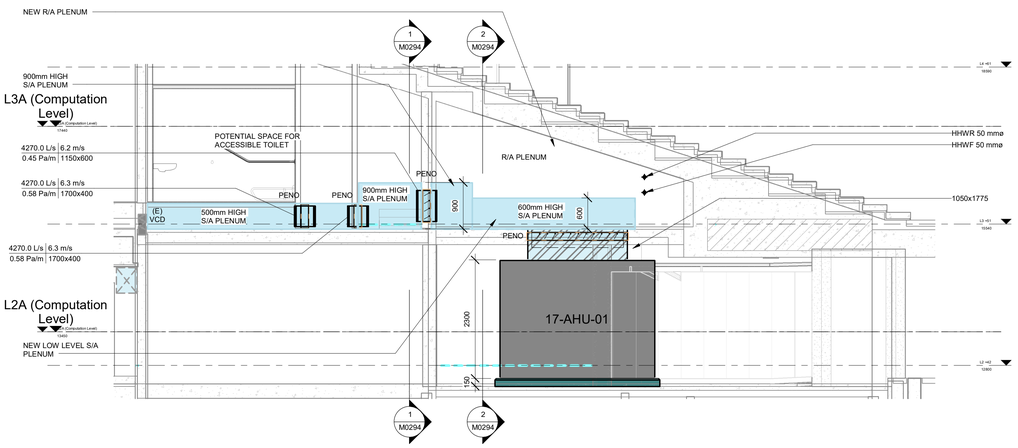
1 L2 +42 - PR17 ENLARGED PLAN



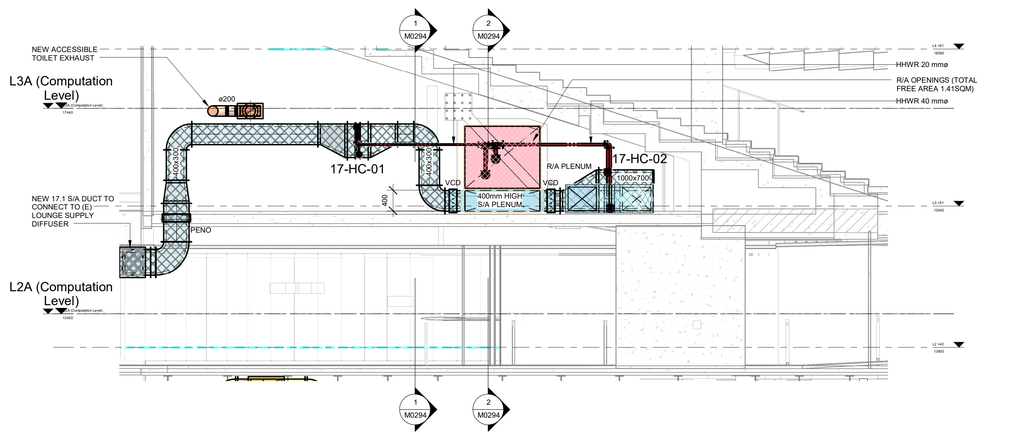
2 PR17 SECTION



3 PR17 SECTION



4 PR17 SECTION



5 PR17 SECTION

E AREA UNDER DEVELOPMENT

0 50mm 100mm

Issue	Description	Drwn	Apvd	Date
A	100% TENDER REVIEW ISSUE	PSC	MAC	20.12.17
B	100% TENDER REVIEW ISSUE	PSC	MAC	02.03.18
C	FOR TENDER	TFS	MAC	06.04.18
D	FOR COORDINATION	PSC	MAC	29.11.18
E	TENDER REVIEW ISSUE	PSC	MAC	14.12.18
F	FOR TENDER	PSC	MAC	08.02.19

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Location

Status: FOR TENDER

Contract: 15822

Dwn: PSC | Date: 08.02.19

Ckd: MAC | Scale: 1 : 50

Project: BUILDING RENEWAL PROJECT CONCERT HALL UPGRADE

Title: MECHANICAL SERVICES PLANTROOM - L2 + 51 SHEET 1

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Location	Drawing No:	Sheet:	Rev:
CH L2	57 BR SV240	M0293	F B1

DEMOLITION GENERAL NOTES

1. DEMOLITION AND CUTTING WHERE INDICATED ON THE DRAWINGS IS INTENDED ONLY AS A GUIDELINE FOR UNDERSTANDING THE SCOPE OF WORKS AND TO BE USED ONLY FOR THAT PURPOSE.
2. REMOVE DUCTWORK AND PIPEWORK AS NOTES ON THE DRAWINGS INCLUDING ALL DUCTWORK AND PIPEWORK INSULATION, HANGERS AND SUPPORTS.
3. MAKE GOOD ALL OPENINGS IN THE BUILDING CONSTRUCTION WHERE DUCTWORK, PIPEWORK AND GRILLES ARE REMOVED. PATCHING SHALL BE THE SAME MATERIALS AS SURROUNDING CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND VERIFYING ABANDONED EQUIPMENT OR SERVICES HIDDEN OR EXPOSED.
5. ALL EQUIPMENT AND MATERIALS REMOVED AND NOT CHOSEN BY SYDNEY OPERA HOUSE FOR SALVAGE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL THEREFORE BE LEGALLY DISPOSED OF BY THE CONTRACTOR.
6. DUCTWORK AND PIPEWORK DIMENSIONS ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL DUCTS THAT REQUIRE MODIFICATIONS TO SUIT NEW DUCTWORK AND PIPEWORK CONNECTIONS.
7. DEMOLITION DRAWINGS SHALL BE PREPARED AND ISSUED FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORKS.

HHW & CHW CONTINUATION TO PR18

(E) ISOLATION AND BALANCING VALVES LOCATED ON VERTICAL RISER

REMOVE CHW AND HHW PIPEWORK SERVING PLANTROOM 17 COILS AND CAP OFF CONNECTIONS TO MAIN CIRCUITS. RETAIN PIPEWORK SERVING ADJACENT PLANTROOM 18

REMOVE ALL (E)17.1 EQUIPMENT IN (E) PR17

EXISTING 17-MCC-1 TO BE RELOCATED FROM CORRIDOR INTO ADJACENT EDUCT 2515A

REMOVE (E)17.1 S/A DUCTWORK TO EAST CAVES. RETAIN PLENUM AND DIFFUSER - TO BE SERVED FROM LEVEL 03

REMOVE (E) 17.1 S/A DUCT SERVING WEST CAVES AND LEVEL 03 AREAS

REMOVE (E)08.5 E/A DUCT SERVING LEVEL 03 TOILET

REMOVE (E)17.1 R/A DUCT

(E)17-1/FD6

REMOVE (E)17.1 R/F DUCT UP TO (E) PR17

REMOVE (E)17.1 R/F DUCT UP TO (E) PR17

REMOVE EXISTING FCU AND CHW PIPEWORK IN EXISTING OPPOSITE PROMPT

ALL DUCTWORK WITHIN THE AREA BELOW THE STAGE FLOOR TO BE REMOVED AND REINSTATED ONCE THE NEW STRUCTURE HAS BEEN COMPLETED

SYSTEM 06-5 EA EXISTING DUCTWORK TO GRILLES TO BE REMOVED AND CAPPED OFF. RETAIN GRILLES AND REUSE IF POSSIBLE

REMOVE HATCHED EXISTING 06-03 S/A PLENUM

REMOVE HATCHED EXISTING 06-11 S/A DUCT

REMOVE HATCHED EXISTING 06-11 R/A DUCT

EXISTING PLENUM FOR AHU12.2 RETURN AIR BELOW THE ANTE ROOM FLOOR TO BE REMOVED AS PART OF THE DEMOLITION WORKS. PLENUM TO BE RE-INSTATED ONCE NEW STRUCTURE IS INSTALLED. BY OTHERS

REMOVE HATCHED EXISTING 06-3 S/A DUCT

REMOVE HATCHED EXISTING 06-11 S/A DUCT

REMOVE HATCHED EXISTING 06-3 S/A DUCT

REMOVE HATCHED EXISTING 06-10 S/A DUCT

REMOVE HATCHED EXISTING 06-3 R/A DUCT

REMOVE HATCHED EXISTING 06-10 R/A DUCT

REMOVE HATCHED EXISTING 06-11 O/A DUCT

REMOVE EXISTING FCUs AND CHW PIPEWORK IN ANTE ROOM

REMOVE HATCHED EXISTING 06-10 S/A DUCT

SYSTEM 06-5 EA EXISTING DUCTWORK TO GRILLES TO BE REMOVED AND CAPPED OFF. RETAIN GRILLES AND REUSE IF POSSIBLE

REMOVE EXISTING FCU AND CHW PIPEWORK IN EXISTING STAGE MANAGERS ROOM

0 5m 10m

Issue	Description	Drwn	Apvd	Date
3	50% DD	CP		18.11.16
4	100% DD	BC	MAC	17.02.17
A	50% COORDINATION ISSUE	PSC	MAC	26.05.17
B	85% COORDINATION ISSUE	PSC	MAC	20.10.17
C	COORDINATION ISSUE	PSC	MAC	24.11.17
D	100% TENDER REVIEW ISSUE	PSC	MAC	20.12.17
E	100% TENDER REVIEW ISSUE	PSC	MAC	02.03.18
F	FOR TENDER	TFS	MAC	06.04.18
G	FOR COORDINATION	PSC	MAC	29.11.18
H	TENDER REVIEW ISSUE	PSC	MAC	14.12.18
I	FOR TENDER	PSC	MAC	08.02.19

0 0 0 0 0 0 0 0 0 0 0 MILLIMETRES ON ORIGINAL

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Location

Status: FOR TENDER

Contract: 15822

Dwn PSC | Date 08.02.19

Ckd MAC | Scale 1 : 100

Project: BUILDING RENEWAL PROJECT CONCERT HALL UPGRADE

Title: MECHANICAL SERVICES DEMOLITION LAYOUT - L2 +042

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Location	Drawing No:	Sheet:	Rev:	
CH L2	57 BR SV240	M0720	I	B1