

GDL150442

15/12/2021

Art Gallery of NSW
Attn: Bella Basaglia
Richard Crookes Constructions Pty Ltd
Level 3, 4 Broadcast Way
Artarmon NSW 2064

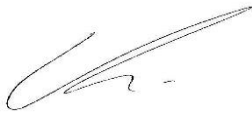
Subject: SSD 6471 Condition B17

Dear Bella,

Confirming we have received satisfactory evidence in various forms from the relevant designers via RCC to illustrate a complaint design with the BCA external wall non-combustibility provisions, namely BCA Clause C1.9 & C1.14.

Therefore, Condition B17 is also closed out from a design documentation perspective.

Regards,



Shane Berry

Technical Director, BDC0721

Group DLA NSW Pty Ltd

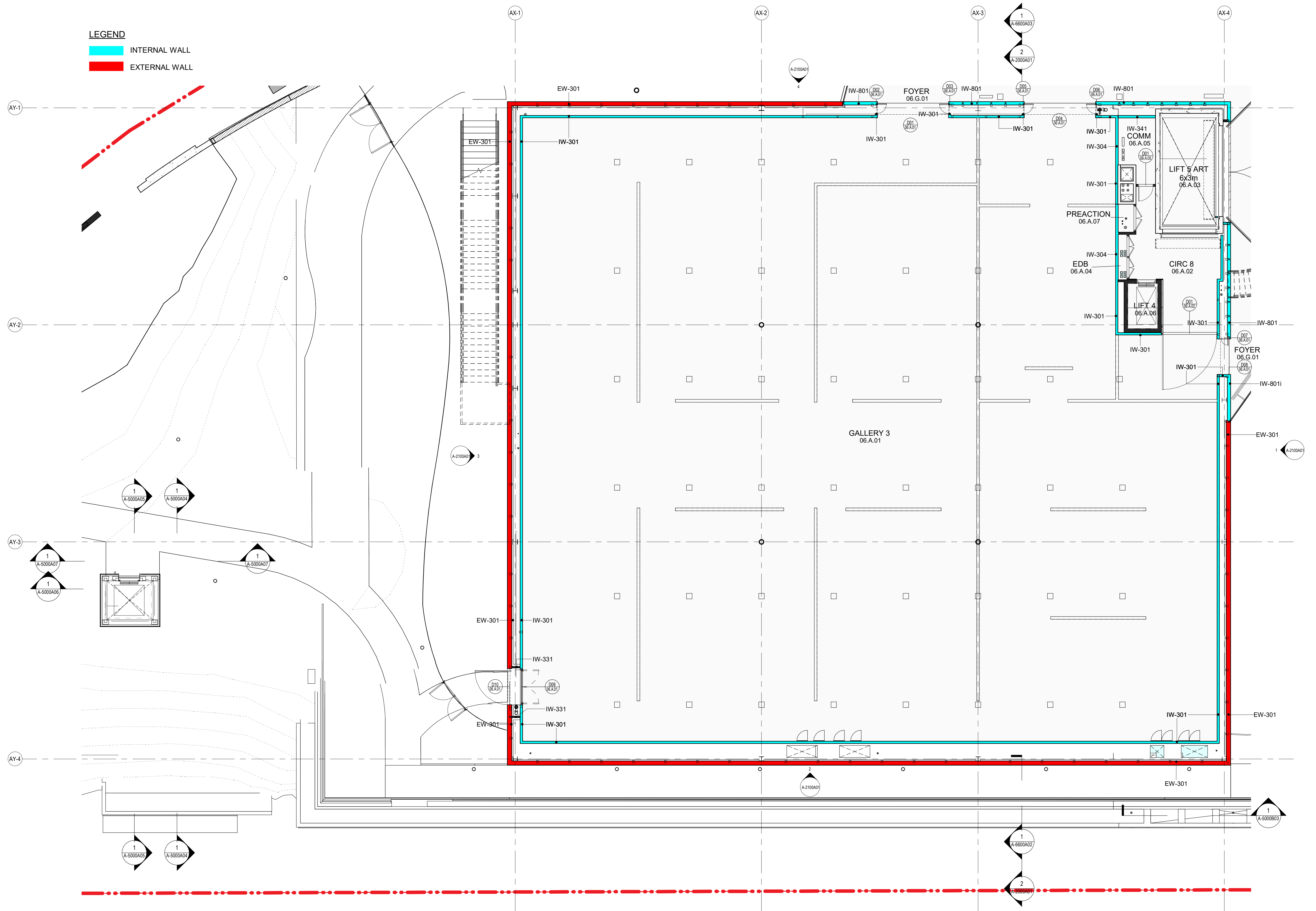
Email: sberry@groupdla.com.au

Mobile: +61 448 566 606

Tel: +61 8355 3160

LEGEND

- INTERNAL WALL
- EXTERNAL WALL



1 LL2 - ZONE A - GALLERY 3 PLAN

Scale: 1:100

LEGEND

- INTERNAL WALL
- EXTERNAL WALL



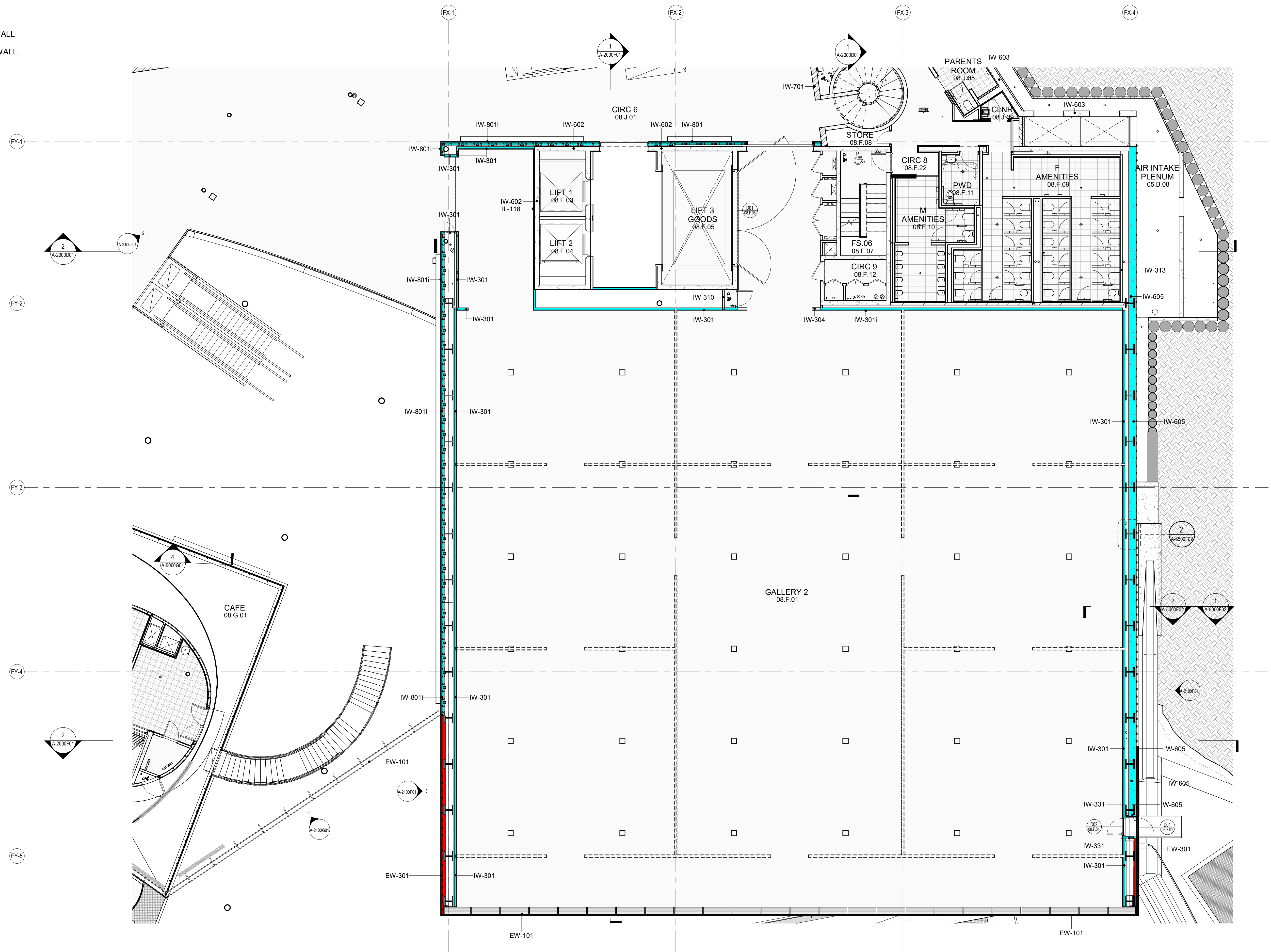
1 LL2 ZONE E - MPS PLAN
Scale: 1:100

Art Gallery of NSW Expansion project - Sydney Modern

WALLS - EXTERNAL / INTERNAL - LL2 ZONE E - MPS

LEGEND

- INTERNAL WALL
- EXTERNAL WALL

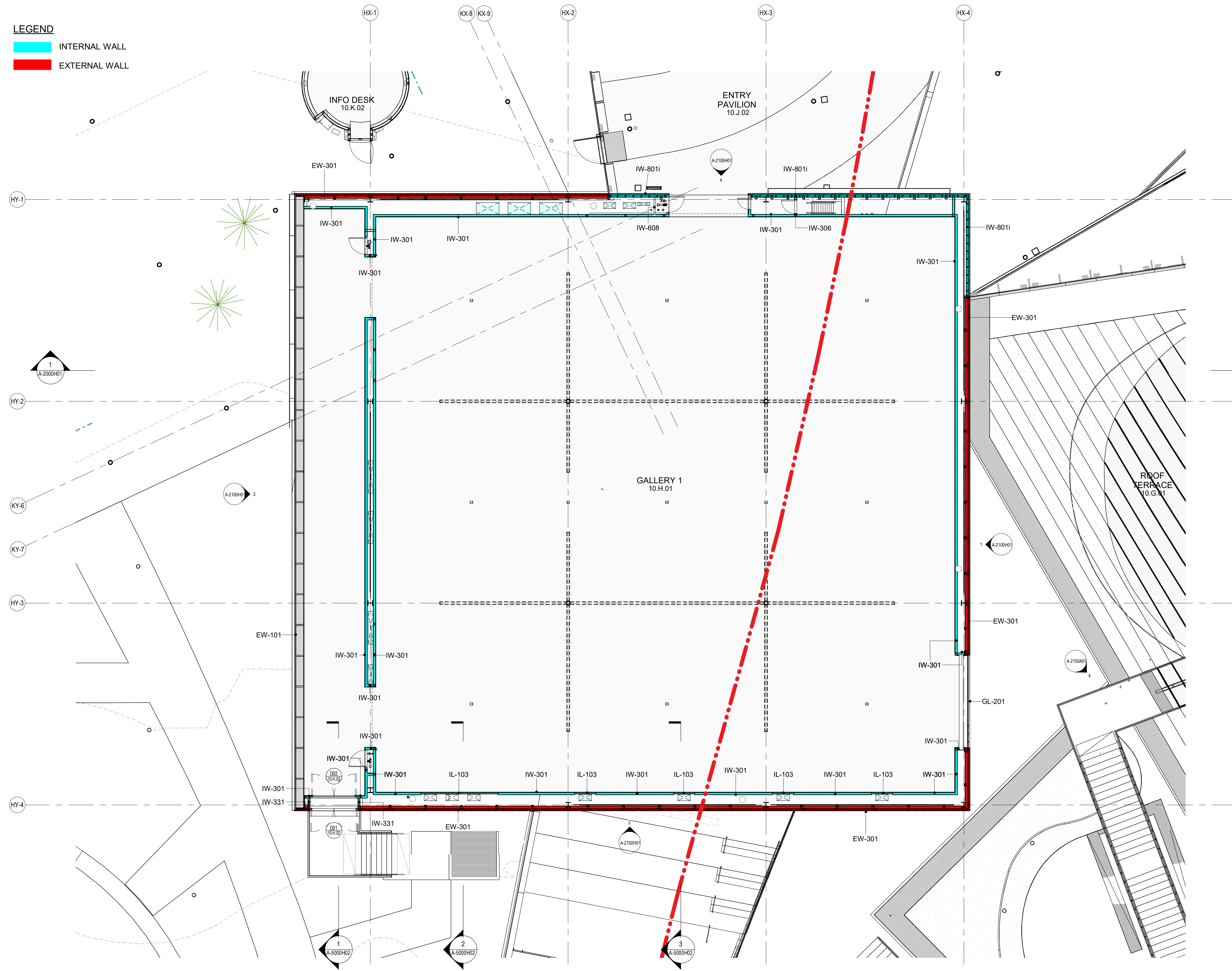


1 LL1 ZONE F - GALLERY 2

Scale: 1:100

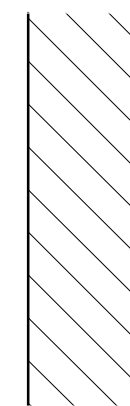
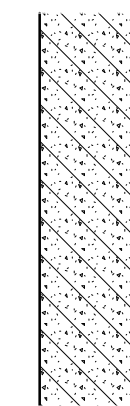
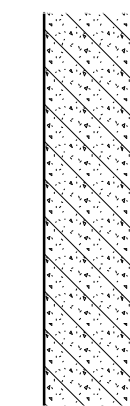
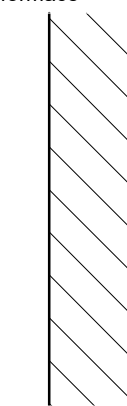
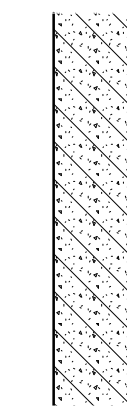
LEGEND

- INTERNAL WALL
- EXTERNAL WALL

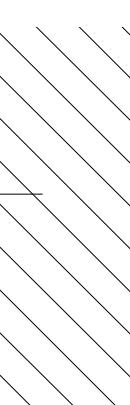
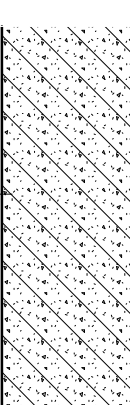
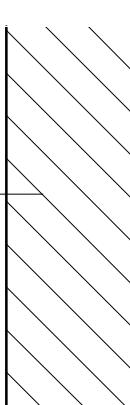
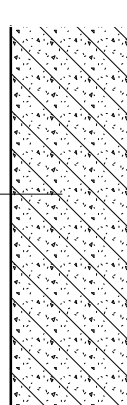


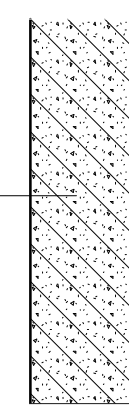
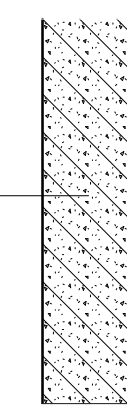
1 ENTRY LEVEL ZONE H - GALLERY 1 PLAN
A-1120L00 Scale: 1 : 100

BLOCK WALL -140

BK-151 BLOCK WALL - 140mm HOLLOW CORE STANDARD CONCRETE BLOCK Acoustic Rating Rw45 Fire Rating Comments Block to be minimun 1100Kg/m3 density to ensure acoustic performance  140	BK-152 BLOCK WALL - 140mm HOLLOW CORE STANDARD CONCRETE BLOCK, CORE FILLED , FULL HEIGHT Acoustic Rating Rw50 Fire Rating Comments  140	BK-152 [F120] BLOCK WALL - 140mm HOLLOW CORE FIRE RATED CONCRETE BLOCK, CORE FILLED FULL HEIGHT Acoustic Rating Rw50 Fire Rating Comments  140	BK-155 [F120] BLOCK WALL - 140mm HOLLOW CORE FIRE RESISTANT CONCRETE BLOCK [FRL -/120/120] Acoustic Rating Rw45 Fire Rating -/120/120 Comments Block to be minimun 1100Kg/m3 density to ensure acoustic performance  140	BK-155a [F120] BLOCK WALL - 140mm HOLLOW CORE FIRE RESISTANT CONCRETE BLOCK [FRL -/120/120]; CORE FILLED TO 1200MM HIGH Acoustic Rating Rw45 Fire Rating -/120/120 Comments  140		
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BLOCK WALL -190

BK-201 BLOCK WALL - 190mm HOLLOW CORE STANDARD CONCRETE BLOCK Acoustic Rating Rw49 Fire Rating Comments Block to be minimun 1100Kg/m3 density to ensure acoustic performance  190	BK-202 BLOCK WALL - 190mm HOLLOW CORE STANDARD CONCRETE BLOCK, CORE FILLED FULL HEIGHT Acoustic Rating Rw55 Fire Rating Comments  190	BK-205 [F120] BLOCK WALL - 190mm HOLLOW CORE FIRE RESISTANT CONCRETE BLOCK [FRL -/120/120] Acoustic Rating Rw49 Fire Rating -/120/120 Comments Block to be minimun 1100Kg/m3 density to ensure acoustic performance  190	BK-205a [-/-/-] BLOCK WALL - 190mm HOLLOW CORE CONCRETE BLOCK CORE FILLED TO 1200MM HIGH Acoustic Rating Rw49 Fire Rating -/120/120 Comments  190	BK-205a [F120] BLOCK WALL - 190mm HOLLOW CORE FIRE RESISTANT CONCRETE BLOCK [FRL -/120/120]; CORE FILLED TO 1200MM HIGH Acoustic Rating Rw49 Fire Rating -/120/120 Comments  190	BK-205b [F120] BLOCK WALL - 190mm HOLLOW CORE FIRE RESISTANT CONCRETE BLOCK [FRL -/120/120]; CORE FILLED TO 1600MM HIGH Acoustic Rating Rw49 Fire Rating -/120/120 Comments  190	BK-205c [F120] BLOCK WALL - 190mm HOLLOW CORE FIRE RESISTANT CONCRETE BLOCK [FRL -/120/120]; CORE FILLED TO 2400MM HIGH Acoustic Rating Rw49 Fire Rating -/120/120 Comments  190
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BK-205d [F120] BLOCK WALL - 190mm HOLLOW CORE FIRE RESISTANT CONCRETE BLOCK [FRL -/120/120]; CORE FILLED FULL HEIGHT Acoustic Rating Rw49 Fire Rating -/120/120 Comments  190	BK-205d [F180] BLOCK WALL - 190mm HOLLOW CORE FIRE RESISTANT CONCRETE BLOCK [FRL -/180/180]; STEEL REINFORCED & CORE FILLED FULL HEIGHT Acoustic Rating Rw49 Fire Rating -/180/180 Comments  190					
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Nominated Architect
Ray Brown, NSWARB 6359

Revision	Description	Date
5	Issued For Contractor Review	04 01 2021
6	Issued For IFCA	21 01 2021
A	Issued For IFC	29 04 2021
B	Issued For IFC	09 09 2021
C	Issued For IFC	29 09 2021

MARK-UP INTERNAL & EXTERNAL WALLS
ARCH 08.11.2021

Scale:

1 : 10@ A1
1:20 @ A3

00.10.20.3

status

Issued for Construction

checked
RP/JJ

drawn
MS

project no
140419

Do not scale drawings. Verify all dimensions on site

General Notes:

1. DESIGN DRAWINGS ARE BASED ON 3RD PARTY (S);
2. NOTIFY THE PROJECT ADMINISTRATOR IN WRITING;
3. DO NOT SCALE FROM THE DRAWINGS - USE ONLY
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE;
5. THE ARCHITECTURAL DOCUMENTATION IS ONLY A
6. IMMEDIATELY REPORT ANY DISCREPANCIES TO THE
7. COMPLY WITH ALL CURRENT SCA AUSTRALASIAN
8. NOTIFY THE PROJECT ADMINISTRATOR PRIOR TO
9. INFORMATION PERTAINING TO EXISTING STRUCTURE
10. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS
11. INSTALLATION OF SYSTEMS AND PROPRIETARY
12. REDUCED LEVELS OF LIABILITY IN AUSTRALIAN

LEGEND

INTERNAL WALL

EXTERNAL WALL

Client:

Art Gallery of New South Wales

T (61 2) 9225 1780

ART GALLERY NSW

Main Contractor:

Richard Crookes Constructions

T (61 2) 9902 4700

RICHARD CROOKES CONSTRUCTIONS

Consultant / Subcontractor:

Insert Logo here

Lead Architect:

SANAA

Kazuyo Sejima + Ryue Nishizawa / S.A.N.A.A.

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project

ART GALLERY OF NSW EXPANSION PROJECT - SYDNEY MODERN

drawing

WALL TYPES - SHEET 1 BLOCK

drawing no.

SMP-A-6000X61

Revision

C

INTERNAL WALLS

IW-301 ART WALL 100mm "C-SECTION" STUD FRAME WITH 10mm PLASTERBOARD LINING ON 19mm PLYWOOD ON ONE SIDE. Acoustic Rating -/- Fire Rating -/- Comments 19mm PLYWOOD 10mm PLASTERBOARD 100mm STUD 	IW-3011 ART WALL 100mm "C-SECTION" STUD FRAME WITH 10mm PLASTERBOARD LINING ON 19mm PLYWOOD ON ONE SIDE. IN-101 INSULATION IN CAVITY. Acoustic Rating Rw30 Fire Rating -/- Comments 19mm PLYWOOD IN-101 10mm PLASTERBOARD 100mm STUD 	IW-304 ART WALL 100mm "C-SECTION" STUD FRAME WITH 10mm PLASTERBOARD LINING ON 19mm PLYWOOD TO ONE SIDE AND 13mm PLASTERBOARD LINING ON OTHER SIDE. Acoustic Rating Rw50 Fire Rating -/- Comments 10mm PLASTERBOARD 19mm PLYWOOD 100mm STUD 13mm PLASTERBOARD IN-101 	IW-305 ART WALL 100mm "C-SECTION" STUD FRAME WITH 10mm PLASTERBOARD LINING ON 19mm PLYWOOD ON BOTH SIDES Acoustic Rating Rw50 Fire Rating -/- Comments 10mm PLASTERBOARD 19mm PLYWOOD 100mm STUD IN-101 19mm PLYWOOD 100mm STUD 	IW-306 STUD WALL 92mm STUD WITH 13mm PLASTERBOARD LINING ON BOTH SIDES Acoustic Rating -/- Fire Rating -/- Comments 13mm PLASTERBOARD 92mm STEEL STUD 13mm PLASTERBOARD 	IW-308 STUD WALL 92mm STUD WITH 13mm PLASTERBOARD LINING ON BOTH SIDES Acoustic Rating Rw33 Fire Rating -/- Comments 13mm PLASTERBOARD 92mm STEEL STUD 13mm PLASTERBOARD IN-101 	IW-310 92mm STUD & 13mm WATER RESISTANT PLASTERBOARD ONE SIDE Acoustic Rating -/- Fire Rating -/- Comments 92mm STEEL STUD 13mm MOISTURE RESISTANT PLASTERBOARD IN-101
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IW-311 92mm STUD 13mm WATER RESISTANT PLASTERBOARD ON ONE SIDE & 13mm PLASTERBOARD LINING ON OTHER SIDE Acoustic Rating Rw40 Fire Rating -/- Comments 13mm PLASTERBOARD 92mm STEEL STUD 13mm MOISTURE RESISTANT PLASTERBOARD IN-101 	IW-312 92mm STUD 13mm WATER RESISTANT PLASTERBOARD ON BOTH SIDES Acoustic Rating Rw37 Fire Rating -/- Comments 13mm MOISTURE RESISTANT PLASTERBOARD 92mm STEEL STUD 13mm MOISTURE RESISTANT PLASTERBOARD 	IW-313 92mm STUD WITH 2 x 13mm WATER RESISTANT PLASTERBOARD ON ONE SIDE Acoustic Rating Rw34 Fire Rating -/- Comments *Rw50 is achievable when used in combination with other similar wall build-up on other side to create cavity. IN-101 required only in one side. 92mm STEEL STUD 13mm MOISTURE RESISTANT PLASTERBOARD 13mm MOISTURE RESISTANT PLASTERBOARD IN-101 *WHERE REQUIRED FOR ACOUSTIC 	IW-314 92mm STUD WITH 2 x 13mm WATER RESISTANT PLASTERBOARD LINING ON BOTH SIDES Acoustic Rating Rw50 Fire Rating -/- Comments 13mm MOISTURE RESISTANT PLASTERBOARD 92mm STEEL STUD 13mm MOISTURE RESISTANT PLASTERBOARD IN-101 	IW-319 PERFORATED ALUMINIUM SHEET INTERNAL WALL TO SHOP STORE PLENUM (CURVED) Acoustic Rating -/- Fire Rating -/- Comments PLAN VIEW 2mm PERFORATED ALUMINIUM (35mm CASSETTE SYSTEM) 92mm STEEL STUD IN-103 50mm POLYESTER FIBRE BATTS SIDE 2 - INTERNAL 2 x LAYERS 6.5mm FLEXIBLE PLASTERBOARD 16mm FURRING CHANNEL SECTION VIEW 16mm FURRING CHANNEL 92mm STEEL STUD IN-103 50mm POLYESTER FIBRE BATTS 2mm PERFORATED ALUMINIUM (35mm CASSETTE SYSTEM) 2 x LAYERS 6.5mm FLEXIBLE PLASTERBOARD 16mm FURRING CHANNEL 	IW-320 75mm HEBEL POWERPANEL Acoustic Rating Rw35 Fire Rating -/120/120 Comments 75mm HEBEL POWERPANEL 	IW-322 PERFORATED ALUMINIUM SHEET INTERNAL WALL TO SHOP STORE PLENUM Acoustic Rating -/- Fire Rating -/- Comments PLAN VIEW SINGLE SIDED SECTION VIEW 2mm PERFORATED ALUMINIUM (35mm CASSETTE SYSTEM) 92mm STEEL STUD
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IW-323 51mm STUD WITH 50mm ACOUSTIC BATTENS & 2 x 6.5mm FLEXIBLE PLASTERBOARD ONE SIDE Acoustic Rating -/- Fire Rating -/- Comments 2x 6.5mm FLEXIBLE PLASTERBOARD IN-103 50mm POLYESTER FIBRE BATTS 51mm STEEL STUD 	IW-324 92mm STUD WITH 2 x 13mm FYRCHCK PLASTERBOARD ON BOTH SIDES Acoustic Rating Rw55 Fire Rating -/120/120 Comments 92mm STEEL STUD 13mm PLASTERBOARD 13mm PLASTERBOARD IN-103 	IW-326 KITCHEN / SERVRY WALL - FOAM FILLED STUD FRAME CAVITY (CURVED) Acoustic Rating Rw45 Fire Rating -/- Comments PLAN VIEW SIDE - EXTERNAL 2mm PERFORATED ALUMINIUM (35mm CASSETTE SYSTEM) 9mm FIBRE CEMENT BOARD IN-103 50mm POLYESTER FIBRE BATTS 92mm STEEL STUD SPRAY FOAM INFILL TO SEAL CAVITY SIDE 2 - KITCHEN SIDE 9mm FIBRE CEMENT BOARD 16mm FURRING CHANNEL SECTION VIEW 16mm FURRING CHANNEL 92mm STEEL STUD IN-103 50mm POLYESTER FIBRE BATTS 9mm FIBRE CEMENT BOARD 2mm PERFORATED ALUMINIUM (35mm CASSETTE SYSTEM) 9mm FIBRE CEMENT BOARD IN-103 50mm POLYESTER FIBRE BATTS 92mm STEEL STUD SPRAY FOAM INFILL TO SEAL CAVITY 	IW-327 SERVERY WALL - FOAM FILLED STUD FRAME CAVITY (CURVED) Acoustic Rating Rw27 Fire Rating -/- Comments SIDE1 - SERVVERY SIDE2 - INTERNAL 9mm FIBRE CEMENT BOARD SPRAY FOAM INFILL TO SEAL CAVITY 13mm PLASTERBOARD 92mm STEEL STUD 	IW-328 KITCHEN INTERNAL WALL - FOAM FILLED STUD FRAME CAVITY Acoustic Rating -/- Fire Rating -/- Comments 92mm STEEL STUD 9mm FIBRE CEMENT BOARD SPRAY FOAM INFILL TO SEAL CAVITY 9mm FIBRE CEMENT BOARD 	IW-329a / IW-329b / IW-329c KITCHEN INTERNAL WALL - FOAM FILLED STUD FRAME CAVITY - 9mm FC LINING ON 16mm FURRING CHANNEL Acoustic Rating Rw27 Fire Rating -/- Comments 16mm FURRING CHANNEL (ALTERNATIVE) 28mm FURRING CHANNEL (ALTERNATIVE) 51mm STEEL STUD (ALTERNATIVE) 9mm FIBRE CEMENT BOARD SPRAY FOAM INFILL TO SEAL CAVITY INDICATIVE WALL SUPPORT IW-329a IW-329b IW-329c 	IW-331 76mm STUD & 2mm THICK 316 GRADE STAINLESS STEEL LINING TO ONE SIDE Acoustic Rating -/- Fire Rating -/- Comments 92mm STEEL STUD 2mm SS BACKPAN IN-205
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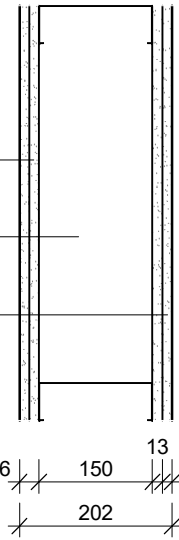
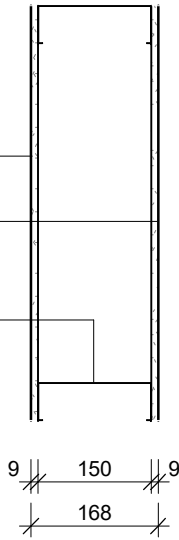
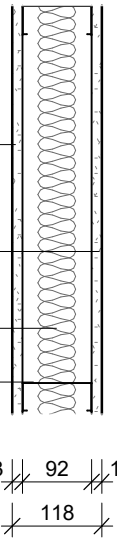
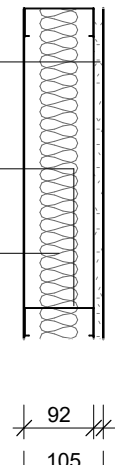
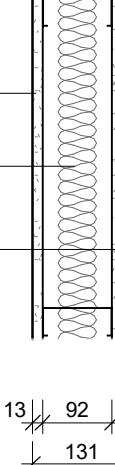
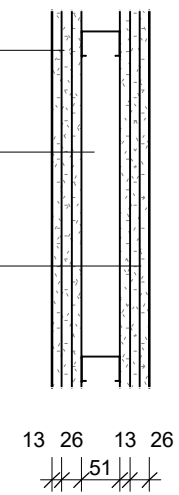
IW-333 51mm STUD WITH 2 X 13mm WATER RESISTANT PLASTERBOARD ON ONE SIDE Acoustic Rating *Rw35 Fire Rating -/- Comments *Rw50 is achievable when used in combination with other similar wall build-up on other side to create cavity. IN-101 required only in one side. 51mm STEEL STUD 13mm MOISTURE RESISTANT PLASTERBOARD 13mm MOISTURE RESISTANT PLASTERBOARD IN-101 *WHERE REQUIRED FOR ACOUSTIC 	IW-334 150mm STUD WITH 2 x 13mm WATER RESISTANT PLASTERBOARD LINING ON BOTH SIDES Acoustic Rating Rw50 Fire Rating -/- Comments 13mm MOISTURE RESISTANT PLASTERBOARD 13mm MOISTURE RESISTANT PLASTERBOARD 150mm STEEL STUD IN-101 13mm MOISTURE RESISTANT PLASTERBOARD 	IW-336 51mm STUD WITH 2 x 6.5mm FLEXIBLE PLASTERBOARD LINING ON ONE SIDE Acoustic Rating -/- Fire Rating -/- Comments 51mm STEEL STUD 2x 6.5mm FLEXIBLE PLASTERBOARD 	IW-339 51mm STUD WITH 1 x 9mm FC LINING BOARD ON ONE SIDE Acoustic Rating -/- Fire Rating -/- Comments 51mm STEEL STUD 9mm FIBRE CEMENT BOARD 	IW-340 92mm STUD WITH 2x13mm FIRE RATED PLASTERBOARD TO ONE SIDE AND 2x13mm FIRE RATED MOISTURE RESISTANT PLASTERBOARD TO THE WET AREA SIDE [FRL -/120/120] Acoustic Rating Rw53 Fire Rating -/120/120 Comments CSR 1079 Equivalent 13mm FIRE RESISTANT PLASTERBOARD 13mm FIRE RESISTANT PLASTERBOARD 92mm STEEL STUD IN-101 13mm FIRE & MOISTURE RESISTANT PLASTERBOARD 13mm FIRE & MOISTURE RESISTANT PLASTERBOARD 	IW-341 / IW-3411 102mm C-H STUDS WITH 2x16mm FIRE RATED PLASTERBOARD TO ONE SIDE AND 1x25mm FIRE RATED SHAFT LINER PANEL IN STUD CAVITY Acoustic Rating Rw45 (IW-341) / Rw54 (IW-3411) Fire Rating -/120/120 Comments CSR 7675 Equivalent IW-341 IW-3411 102 CH-STUD 25mm FIRE RESISTANT PLASTERBOARD / SHAFT LINER PANEL 2x 16mm FIRE RESISTANT PLASTERBOARD POLYESTER FIBRE BATTS, MINIMUM 75mm THICK, DENSITY 32kg/m3 (For IW-341 only) 	IW-342 92mm STUD WITH 9mm FIBRE CEMENT BOTH SIDES Acoustic Rating - Fire Rating -/- Comments 9mm FIBRE CEMENT BOARD 9mm FIBRE CEMENT BOARD 92mm STEEL STUD
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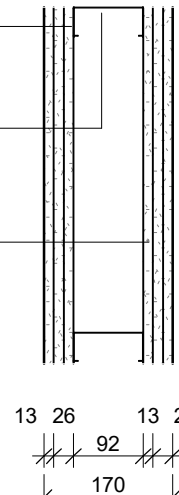
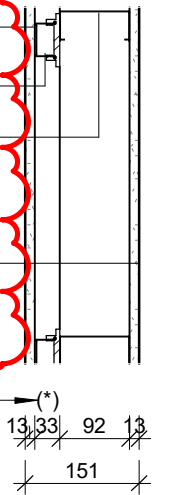
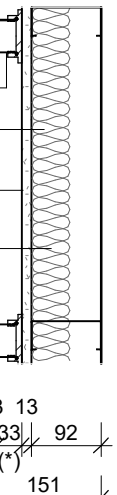
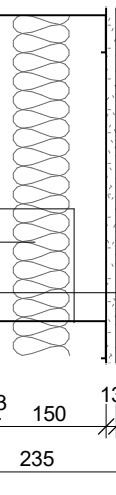
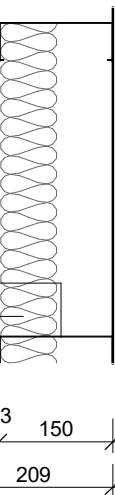
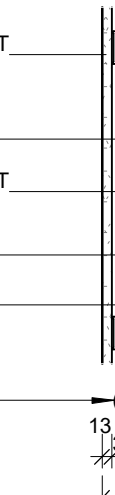
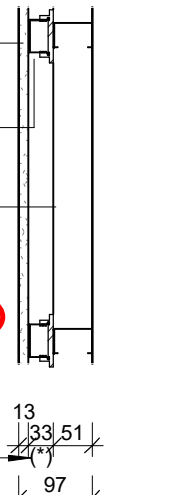
WALL TYPES NOTES:

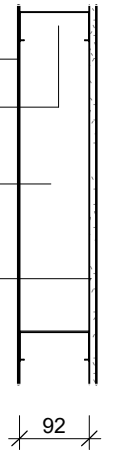
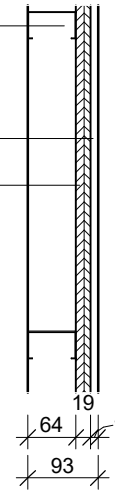
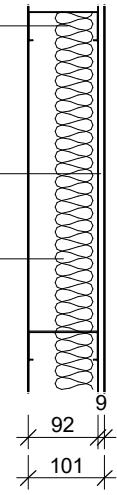
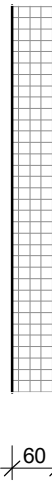
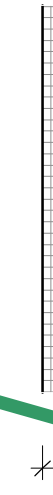
- ALL DOOR FRAMES TO USE MIN. 0.70mm BMT 'RONDO DUPLEX' STUDS IN LIEU OF BOXED STUDS U.N.C
- REFER TO LINING SUPPLIER'S WALL SPAN TABLES FOR BMT SELECTION AND NOGGING QUANTITIES TO SUIT WALL HEIGHT.

architectusSM Architectus Australia Pty Ltd is the owner of the copyright subsisting in these drawings, plans, designs and specifications. They must not be used, reproduced or copied, in whole or in part, nor may the information, ideas and concepts therein contained (which are confidential to Architectus Australia Pty Ltd) be disclosed to any person without the prior written consent of that company. Nominated Architect Ray Brown, NSWARB 6359	Revision	Description	Date	Scale:	As indicated @ A1 1:20 @ A3 00.10.20.3	General Notes: 1. DESIGN DRAWINGS ARE BASED ON 3RD NOTIFY THE PROJECT ADMINISTRATOR IN 2. DO NOT SCALE FROM THE DRAWINGS. 3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. 4. THE ARCHITECTURAL DOCUMENTATION ELECTRICAL, FIRE ENGINEERING, FIRE SET CONSTRUCTION WITHOUT WRITTEN CONSENT. 5. THE ARCHITECTURAL DOCUMENTATION 6. IMMEDIATELY REPORT ANY DISCREPANCY COMMENCEMENT OF THE AFFECTED WORK 7. CORRECT WITH ALL CURRENT SCA. ASSET 8. NOTIFY THE PROJECT ADMINISTRATOR 9. INFORMATION PERTAINING TO EXISTING SUPPLIED BY AUTHORITIES AND THIRD PARTY. 10. THE CONTRACTOR IS TO VERIFY ALL CONFIRMATION OF THE COMPLIANCE WITH COMMENCEMENT OF WORKS. 11. INSTALLATION OF SYSTEMS AND PROP. 12. REDUCED LEVELS (PL) DATA IS NOT TO	LEGEND INTERNAL WALL EXTERNAL WALL	ESD SURVEYOR: N/L MECHANICAL N FABRICATION: NDR TO THE SDM INFORMATION STEN UTOR PRIOR TO THE	Client: Art Gallery of New South Wales T (61 2) 9225 1780	Main Contractor: Richard Crookes Constructions T (61 2) 9902 4700 RICHARD CROOKES CONSTRUCTIONS Consultant / Subcontractor: Insert Logo here	Lead Architect: S A N A A Kazuyo Sejima + Ryue Nishizawa / S A N A A SANAA JMLUSHO LTD. Tokyo, Japan 1-5-27 Tatsumi, Koto-ku, Tokyo Japan 135-0003 T +81 3 5534 1780 sanaa@sanaa.co.jp www.sanaa.co.jp Executive Architect: architectusSM Architectus Sydney Level 18, MLC Centre 19 Martin Place Sydney NSW 2000 T (61 2) 8252 8400 F (61 2) 8252 8600 sydney@architectus.com.au ABN 11 098 489 448	project ART GALLERY OF NSW EXPANSION PROJECT - SYDNEY MODERN drawing WALL TYPES - SHEET 2 - INTERNAL WALLS drawing no. SMP-A-6000X62 Revision C						
	5	Issued For Contractor Review	13 01 2021	status Issued for Construction														
	6	Issued For IFCA	21 01 2021															
	A	Issued For IFC	29 04 2021															
	B	Issued For IFC	09 09 2021															
	C	Issued For IFC	29 09 2021															
	MARK-UP INTERNAL & EXTERNAL WALLS ARCH 08 11 2021												checked RP/JJ drawn MS	project no 140419 Do not scale drawings. Verify all dimensions on site				

INTERNAL WALLS

IW-343 150mm STUD WITH 2 x 13mm FYRCHEK PLASTERBOARD LINING ON BOTH SIDES Acoustic Rating Rw 48 Fire Rating -/120/120 Comments CSR 1078 Equivalent 	IW-344 150mm STUD WITH 1 x 9mm FC LINING ON BOTH SIDES Acoustic Rating - Fire Rating - Comments 	IW-345 92mm STUD WITH 1 x 13mm FYRCHEK PLASTERBOARD LINING ON BOTH SIDES + IN-101 Insulation Acoustic Rating Rw46 Fire Rating -/60/60 Comments CSR 1050 Equivalent 	IW-346 76mm (Rondo Duplex) STUD WITH 2 x 13mm FYRCHEK PLASTERBOARD LINING ON BOTH SIDES Acoustic Rating Rw 47 Fire Rating -/120/120 Comments CSR 1078 Equivalent 	IW-348 92mm STUD WITH 1 x 13mm FYRCHEK PLASTERBOARD LINING SINGLE SIDE Acoustic Rating - Fire Rating - Comments *Rw45 is achievable when used in combination with other similar wall build-up on other side to create cavity. IN-101 required only in one side. 	IW-349 92mm STUD WITH 1 x 13mm FYRCHEK PLASTERBOARD LINING SIDE ONE + 2 x 13mm FYRCHEK PLASTERBOARD LINING SIDE TWO Acoustic Rating Rw50 Fire Rating -/90/90 Comments CSR 1060 Equivalent 	IW-350 51mm (0.75 BMT) STUD WITH 3 x 13mm FYRCHEK PLASTERBOARD LINING ON BOTH SIDES Acoustic Rating *Rw 53 Fire Rating -/180/180 Comments 
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IW-351 92mm STUD WITH 3 x 13mm FYRCHEK PLASTERBOARD LINING ON BOTH SIDES Acoustic Rating Rw47 Fire Rating -/180/180 Comments 	IW-353 92mm STUD WITH 1 x 13mm WATER RESISTANT PLASTERBOARD LINING & 28mm FURRING CHANNEL ON ONE SIDE AND 1 x 13mm WATER RESISTANT PLASTERBOARD LINING ON THE OTHER SIDE Acoustic Rating -/- Fire Rating -/- Comments 	IW-354 92mm STUD WITH 1 x 13mm WATER RESISTANT PLASTERBOARD LINING & 28mm FURRING CHANNEL & 1 x 13mm WATER RESISTANT PLASTERBOARD LINING ON ONE SIDE Acoustic Rating Rw34 Fire Rating - Comments *Rw 50 is achievable when used in combination with other similar wall build-up on other side to create cavity. IN-101 required only in one side. 	IW-355 150mm STUD WITH 1 x 13mm WATER RESISTANT PLASTERBOARD LINING & 28mm FURRING CHANNEL & 1 x 13mm WATER RESISTANT PLASTERBOARD LINING ON ONE SIDE AND 2 x 13mm WATER RESISTANT PLASTERBOARD LINING ON THE OTHER SIDE Acoustic Rating Rw50 Fire Rating -/- Comments 	IW-356 150mm STUD WITH 1 x 13mm WATER RESISTANT PLASTERBOARD LINING & 28mm FURRING CHANNEL & 1 x 13mm WATER RESISTANT PLASTERBOARD LINING ON ONE SIDE Acoustic Rating Rw34 Fire Rating - Comments *Rw 50 is achievable when used in combination with other similar wall build-up on other side to create cavity. IN-101 required only in one side. 	IW-357 51mm STUD WITH 1 x 13mm WATER RESISTANT PLASTERBOARD LINING & 28mm FURRING CHANNEL & 1 x 13mm WATER RESISTANT PLASTERBOARD LINING ON ONE SIDE Acoustic Rating Rw34 Fire Rating - Comments *Rw 50 is achievable when used in combination with other similar wall build-up on other side to create cavity. IN-101 required only in one side. 	IW-358 51mm STUD WITH 1 x 13mm WATER RESISTANT PLASTERBOARD LINING & 28mm FURRING CHANNEL ON ONE SIDE Acoustic Rating - Fire Rating - Comments 
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IW-359 KITCHEN / SERVERY WALL - FOAM FILLED 92mm STUD WITH 9mm FC LINING ON ONE SIDE AND POLYESTER SCRIM ON OTHER SIDE Acoustic Rating - Fire Rating - Comments 	IW-360 10mm STANDARD PLASTERBOARD ON 19mm PLYWOOD ON 64mm STEEL STUD Acoustic Rating - Fire Rating - Comments 	IW-361 92mm STUD WITH 9mm FC LINING ON ONE SIDE Acoustic Rating - Fire Rating - Comments 	IW-501 INSULATION PANELS 60mm Acoustic Rating - Fire Rating - Comments 	IW-502 INSULATION PANELS 80mm Acoustic Rating - Fire Rating - Comments 	IW-503 INSULATION PANELS 100mm Acoustic Rating - Fire Rating - Comments 	IW-505 INSULATION PANELS 75mm Acoustic Rating - Fire Rating - Comments 	IW-506 INSULATION PANELS 150mm Acoustic Rating - Fire Rating - Comments 
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INSULATION PANELS

- WALL TYPES NOTES:
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Nominated Architect
Ray Brown, NSWARB 6359

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0 0.1 0.2 0.3

status
Issued for Construction

checked
RP/JJ

drawn
MS

project no
140419

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11. INSTALLATION OF SYSTEMS AND PR
12. REDUCED LEVELS OF DUTY ON A

LEGEND

INTERNAL WALL

EXTERNAL WALL

Client:
Art Gallery of New South Wales

T (61 2) 9225 1780

Main Contractor:
Richard Crookes Constructions

T (61 2) 9902 4700

Lead Architect:
SANAA

Kazuyo Sejima + Ryue Nishizawa / S A N A A

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ABN 11 098 489 448

project
ART GALLERY OF NSW EXPANSION PROJECT - SYDNEY MODERN

drawing
WALL TYPES - SHEET 3 INTERNAL WALLS

drawing no.
SMP-A-6000X63

Revision
C

MARK-UP INTERNAL & EXTERNAL WALLS

ARCH 08.11.2021

INTERNAL WALLS - CONCRETE

IW-601 REINFORCED CONCRETE 200mm Acoustic Rating Rw58 Fire Rating Comments REINFORCED CONCRETE 200mm 200	IW-602 REINFORCED CONCRETE 250mm Acoustic Rating Rw63 Fire Rating Comments REINFORCED CONCRETE 250mm 250	IW-603 REINFORCED CONCRETE 300mm Acoustic Rating Rw65 Fire Rating Comments REINFORCED CONCRETE 300mm 300	IW-604 REINFORCED CONCRETE 450mm Acoustic Rating Rw70 Fire Rating Comments REINFORCED CONCRETE 450mm 450	IW-605 REINFORCED CONCRETE 400mm Acoustic Rating Fire Rating Comments REINFORCED CONCRETE 400mm 400	IW-606 REINFORCED CONCRETE 425mm Acoustic Rating Rw63 Fire Rating Comments REINFORCED CONCRETE 150mm 425	IW-608 SPEEDPANEL 78mm Acoustic Rating Rw70 Fire Rating ~120/120 Comments 78mm Speed Panel 78	IW-701 RAMMED EARTH WALL 300mm Acoustic Rating * Rw55 Fire Rating Comments RAMMED EARTH 300mm 300 * REW: ACOUSTIC PREDICTION AS CONFIRM BY ACOUSTIC CONSULTANT IN ACONEX: ARUP NSW- G00R-000445. BASED ON MOCK-UP ON-SITE. THICKNESS AND THE DENSITY (2040KG/M3). ASSUMING NO BIG CRACKS AND/OR OPENINGS).
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INTERNAL - STONE

IW-801 INTERNAL WALL LIMESTONE STONE CLADDING SYSTEM ON STEEL FRAME Acoustic Rating Fire Rating Comments SECTION VIEW 100mm STUD 9mm FIBRE CEMENT BOARD STAINLESS STEEL SHELF BRACKET TO SUPPORT LIMESTONE PANEL- BOLTED CONNECTION 50mm LIMESTONE CLADDING 101 25 9 50 185	IW-801i INTERNAL WALL LIMESTONE STONE CLADDING SYSTEM ON STEEL FRAME + IN-101 ACOUSTIC INSULATION Acoustic Rating Fire Rating Comments SECTION VIEW 100mm STUD IN-101 9mm FIBRE CEMENT BOARD STAINLESS STEEL SHELF BRACKET TO SUPPORT LIMESTONE PANEL- BOLTED CONNECTION 50mm LIMESTONE CLADDING NOTE: Any holes in FC lining as a result of fixing must be sealed to ensure acoustic separation is achieved 101 25 9 50 185	IL-102 10mm PLASTERBOARD ON 51mm STEEL STUD Acoustic Rating Rw27 Fire Rating Comments 51mm STEEL STUD 10mm PLASTERBOARD 51 10 61	IL-103 10mm PLASTERBOARD WITH 19mm PLYWOOD ON 51 STEEL STUD Acoustic Rating Rw30 Fire Rating Comments 51mm STEEL STUD 10mm PLASTERBOARD 19mm PLYWOOD 51 19 10 61	IL-104 13mm MOISTURE RESISTANT PLASTERBOARD ON 16mm OR 28mm FURRING CHANNEL Acoustic Rating Fire Rating Comments 16mm OR 28mm FURRING CHANNEL 13mm MOISTURE RESISTANT PLASTERBOARD INDICATIVE WALL SUPPORT (*) FURRING CHANNEL ZONE INCLUDING + 4mm TOLERANCE FOR CLIP 51 13 64 45	IL-106 13mm MOISTURE RESISTANT PLASTERBOARD ON 51mm STEEL STUD Acoustic Rating Rw28 Fire Rating Comments 51mm STEEL STUD 13mm PLASTERBOARD 51 13 64	IL-107 13mm PLASTERBOARD ON 28mm FURRING CHANNEL Acoustic Rating Rw28 Fire Rating Comments 28mm FURRING CHANNEL 13mm PLASTERBOARD INDICATIVE WALL SUPPORT (*) FURRING CHANNEL ZONE INCLUDING + 4mm TOLERANCE FOR CLIP 51 28 13 64	IL-108 13mm PLASTERBOARD ON 92 STEEL STUD Acoustic Rating Rw28 Fire Rating Comments 92mm STEEL STUD 13mm PLASTERBOARD 92 13
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INTERNAL - LININGS

IL-109 13mm MOISTURE RESISTANT PLASTERBOARD ON 76mm x 0.75 BMT STEEL STUD WALL FRAME Acoustic Rating Rw30 Fire Rating Comments 76mm STEEL STUD 13mm MOISTURE RESISTANT PLASTERBOARD 76 13 89	IL-110 13mm STANDARD PLASTERBOARD ON 28mm FURRING CHANNELS WITH 'RONDO SWTC' ACOUSTIC MOUNTS OR APPROVED EQUIVALENT Acoustic Rating Fire Rating Comments 28mm FURRING CHANNEL 13mm PLASTERBOARD INDICATIVE WALL SUPPORT ACOUSTIC MOUNTS TO LIFT SHAFT WALLS 64 13 40 53 77	IL-112 13mm STANDARD PLASTERBOARD ON 64 STEEL STUD Acoustic Rating Rw28 Fire Rating Comments 64mm STEEL STUD 16mm FIRE RESISTANT PLASTERBOARD 64 13 77	IL-113 2 x 13mm FIRE RESISTANT PLASTERBOARD ON 64 STEEL STUD Acoustic Rating Rw28 Fire Rating Comments 64mm STEEL STUD 2x13mm FIRE RESISTANT PLASTERBOARD 64 13 90	IL-115 1 x 13mm MOISTURE RESISTANT PLASTERBOARD ON 28mm FURRING CHANNELS Acoustic Rating Rw28 Fire Rating Comments 28mm FURRING CHANNEL 13mm MOISTURE RESISTANT PLASTERBOARD INDICATIVE WALL SUPPORT (*) FURRING CHANNEL ZONE INCLUDING + 4mm TOLERANCE FOR CLIP 51 13 64 46 33 13	IL-116 3 x 16mm FIRE RESISTANT PLASTERBOARD ON 64 STEEL STUD Acoustic Rating Rw 36 Fire Rating ~120/120 Comments CSR 093 System Equivalent (2011) 64mm STEEL STUD 3 x 16mm FIRE RESISTANT PLASTERBOARD 16 16 64 16 112 33 13	IL-117 3 x 13mm HIGH DENSITY (13Kg/m2) PLASTERBOARD ON 28mm FURRING CHANNEL Acoustic Rating Rw 40 Fire Rating Comments 28mm FURRING CHANNEL 3x 13mm HIGH DENSITY PLASTERBOARD (13 Kg/m2) INDICATIVE WALL SUPPORT (*) FURRING CHANNEL ZONE INCLUDING + 4mm TOLERANCE FOR CLIP 51 28 13 64 33 39 72	
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WALL TYPES NOTES:

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Nominated Architect
Ray Brown, NSWARB 6359

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A	Issued For IFC	29 04 2021
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D	Issued For IFC	29 09 2021

MARK-UP INTERNAL & EXTERNAL WALLS
ARCH 08.11.2021

Scale:

As indicated @ A1
1:20 @ A3

0 0.1 0.2 0.3

status	Issued for Construction
checked	RP/JJ
drawn	MS
project no	140419

Do not scale drawings. Verify all dimensions on site

General Notes:

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12. REDUCED LEVELS OF PLANT IN AUSTRALIA

LEGEND

INTERNAL WALL

EXTERNAL WALL

Client:

Art Gallery of New South Wales

T (61 2) 9225 1780

ART GALLERY NSW

Main Contractor:

Richard Crookes Constructions

T (61 2) 9902 4700

RICHARD CROOKES CONSTRUCTIONS

Consultant / Subcontractor:

Insert Logo here

Lead Architect:

SANAA

Kazuyo Sejima + Ryue Nishizawa / S A N A A

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Sydney NSW 2000
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F (61 2) 8252 8400
sydney@architectus.com.au
ABN 11 098 489 448

project

ART GALLERY OF NSW EXPANSION PROJECT - SYDNEY MODERN

drawing

WALL TYPES - SHEET 4 - INTERNAL WALLS , CONCRETE, RAMMED EARTH & LININGS

drawing no.

SMP-A-6000X64

Revision

D

INTERNAL - LINING

IL-118

10mm STANDARD PLASTERBOARD WITH 19mm PLYWOOD ON 28mm FURRING CHNANNEL WITH "RONDO SWTC" ACOUSTIC MOUNTS

Acoustic Rating
Fire Rating

Comments

28mm FURRING CHANNEL

ACOUSTIC MOUNTS

10mm PLASTERBOARD

19mm PLYWOOD

INDICATIVE SUPPORT WALL

19

40

10

69

IL-119

13mm STANDARD PLASTERBOARD ON 51mm STEEL STUD

Acoustic Rating
Fire Rating

Comments

51mm STEEL STUD

13mm PLASTERBOARD

51

13

64

INTERNAL - WALL TILING

IL-201

CERAMIC WALL TILING AMENITIES

Acoustic Rating
Fire Rating

Comments

CERAMIC WALL TILING AMENITIES

INDICATIVE SUPPORT WALL
(As nominated in SMP-A-1000 Plan Series and details dwgs.)

NOTES:
1 - Ref. to GA Plans, A-1000 & Amenities, A-700 Series for walls Build-up
2 - Nominated Thickness includes Tile+Glue+ Tolerance

15

IL-202

CERAMIC WALL TILING KITCHEN

Acoustic Rating
Fire Rating

Comments

CERAMIC WALL TILING KITCHEN

INDICATIVE SUPPORT WALL
(As nominated in SMP-A-1000 Plan Series and details dwgs.)

NOTES:
1 - Ref. to GA Plans, A-1000 & Amenities, A-700 Series for walls Build-up
2 - Nominated Thickness includes Tile+Glue+ Tolerance

15

EXTERNAL - REW

EW-201

RAMMED EARTH 300mm

Acoustic Rating * Rw 55
Fire Rating -/-

Comments

RAMMED EARTH 300mm

* REW: ACOUSTIC PREDICTION AS CONFIRM BY ACOUSTIC CONSULTANT IN ACONEX: ARUP NSW-GCOR-003445, BASED ON MOCK-UP ON-SITE, THICKNESS AND THE DENSITY (2040KG/M3), ASSUMING NO BIG CRACKS AND/OR OPENINGS).

300

EXTERNAL - STONE

EW-301

EXTERNAL WALL LIMESTONE STONE CLADDING SYSTEM

Acoustic Rating -/-
Fire Rating -/-

Comments

IN-205 THERMAL INSULATION (EXTERNAL WALLS)

SUPPORT TO STRUCT. ENGINEER DETAILS

30MM TOP HAT BATTEN

2MM THICK BACKPAN

20 MM RAIL WITH 5MM THK GASKET FIXED TO TOP HAT

50mm LIMESTONE CLADDING

SECTION VIEW

15 100 20 25 150 240

EXTERNAL - METAL

EW-501

ALUMINIUM SHEET EXTERNAL WALL TO INFO KIOSK

Acoustic Rating TBC
Fire Rating -/-
Thermal Rating R 2.8 Min.

Comments

SIDE 1 - EXTERNAL

3mm SOLID ALUMINIUM PANEL (35mm CASSETTE SYSTEM)

SARKING

IN-205 2x Layers of 75mm ROCKWOOL (Min. 150mm Total Thk.)

92mm STEEL STUD

SIDE 2 - INTERNAL

13mm PLASTERBOARD

35 92 13 140

EW-503

3mm ALUMINIUM SHEET FAÇADE SYSTEM

Acoustic Rating -/-
Fire Rating -/-

Comments

35mm TOP HATS

3mm SOLID ALUMINIUM PANEL (35mm CASSETTE SYSTEM)

SARKING

INDICATIVE SUPPORT WALL

35 33 68

EW-504

ALUMINIUM SHEET EXTERNAL WALL TO CAFÉ KIOSK (CURVED)

Acoustic Rating -/-
Fire Rating R 2.8 Min.

Comments

SIDE 1 - EXTERNAL

3mm SOLID ALUMINIUM PANEL (35mm CASSETTE SYSTEM)

IN-205 75mm ROCKWOOL

SARKING

GAP

SIDE 2 - INTERNAL

6mm FIBRE CEMENT BOARD

92mm STEEL STUD & STRUCTURAL ZONE

PLAN VIEW

35 92 8 GAP 92 233

EW-505

ALUMINIUM SHEET EXTERNAL WALL BOTH SIDES TO INFO KIOSK

Acoustic Rating Rw37
Fire Rating -/-
Thermal Rating R 2.8 Min.

Comments

SIDE 1 - EXTERNAL

3mm SOLID ALUMINIUM PANEL

9mm FIBRE CEMENT BOARD

92mm STEEL STUD

SARKING

IN-205 2x Layers of 75mm ROCKWOOL (Min. 150mm Total Thk.)

SIDE 2 - INTERNAL

9mm FIBRE CEMENT BOARD

3mm SOLID ALUMINIUM PANEL

104 12 116

New- To be issued soon

EXTERNAL - CONCRETE

EW-601

REINFORCED CONCRETE CLASS 2 FORMWORK

Acoustic Rating Rw58
Fire Rating

Comments

200

EW-602

REINFORCED CONCRETE CLASS 2 FORMWORK

Acoustic Rating Rw53
Fire Rating

Comments

150

EW-603

REINFORCED CONCRETE CLASS 2 FORMWORK

Acoustic Rating Rw63
Fire Rating

Comments

250

EW-604

REINFORCED CONCRETE CLASS 2 FORMWORK

Acoustic Rating Rw65
Fire Rating

Comments

300

EW-605

REINFORCED CONCRETE CLASS 2 FORMWORK

Acoustic Rating Rw65
Fire Rating

Comments

400

EW-606

REINFORCED CONCRETE CLASS 2 FORMWORK

Acoustic Rating Rw65
Fire Rating

Comments

275

WALL TYPES NOTES:
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10. INSTALLATION OF SYSTEMS AND PROPRIETARY PRODUCTS TO BE IN ACCORDANCE WITH THE RELEVANT STANDARDS AND SPECIFICATIONS
11. REDUCED LEVELS OF DRAINAGE ARE NOT TO BE USED

LEGEND

INTERNAL WALL

EXTERNAL WALL

Client:

Art Gallery of New South Wales

T (61 2) 9225 1780

ART GALLERY NSW

Surveyor:

Mechanical
Fabrication

Information

Insert Logo here

Main Contractor:

Richard Crookes Constructions

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RICHARD CROOKES CONSTRUCTIONS

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ABN 11 098 489 448

project

ART GALLERY OF NSW EXPANSION PROJECT - SYDNEY MODERN

drawing

WALL TYPES - SHEET 5 LININGS & EXTERNAL WALLS

drawing no.

SMP-A-6000X65

Revision

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