

SYDNEY

Watpac Construction Pty Ltd
ABN 71 010 462 816
a subsidiary of Watpac Limited

Level 10, 155 Clarence Street
Sydney NSW 2000

PO Box Q1264, Queen Victoria
Building NSW 1230

Phone: 02 8741 7400

Fax: 02 8741 7401

Website: www.watpac.com.au

Our Reference: Comm002

Thursday 28th June 2018

Dear Neighbour

**RE: HORNSBY KU-RING-GAI HOSPITAL REDEVELOPMENT STAGE 2
NOTIFICATION OF COMMENCEMENT**

Watpac Construction has been engaged as the Principal Contractor for the construction of the Hornsby Ku-ring-gai Hospital Redevelopment - Stage 2 project.

We write to inform you that the project is scheduled to commence in early July 2018 and will continue through in a staged fashion to its scheduled completion in 2021.

The development scope includes;

- the construction of a new Medical Imaging building, and
- the construction of a new seven (7) storey building including;
 - new main hospital entry,
 - new intensive care unit,
 - new inpatient units,
 - new ambulatory care,
 - extended and refurbished emergency department (including ambulance entry / bays),
 - new rehabilitation wards,
 - new mortuary,
 - teaching and research facilities and administration spaces,
 - café, retail and front of house facilities, and
 - associated demolition, remediation, plant, infrastructure and landscaping works.

The development will be conducted in accordance with the approved planning consents.

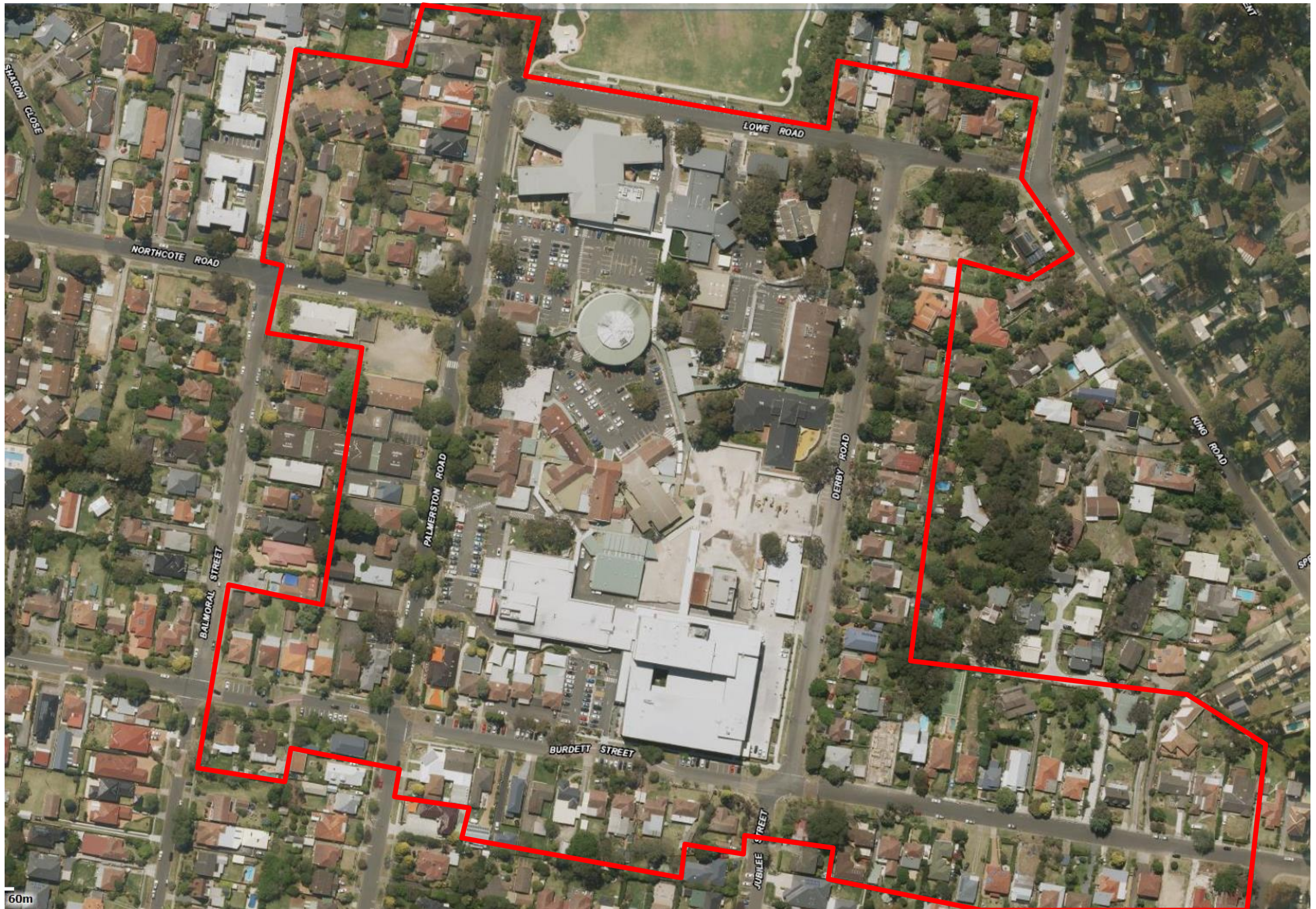
Further updates and information will be provided throughout the development.

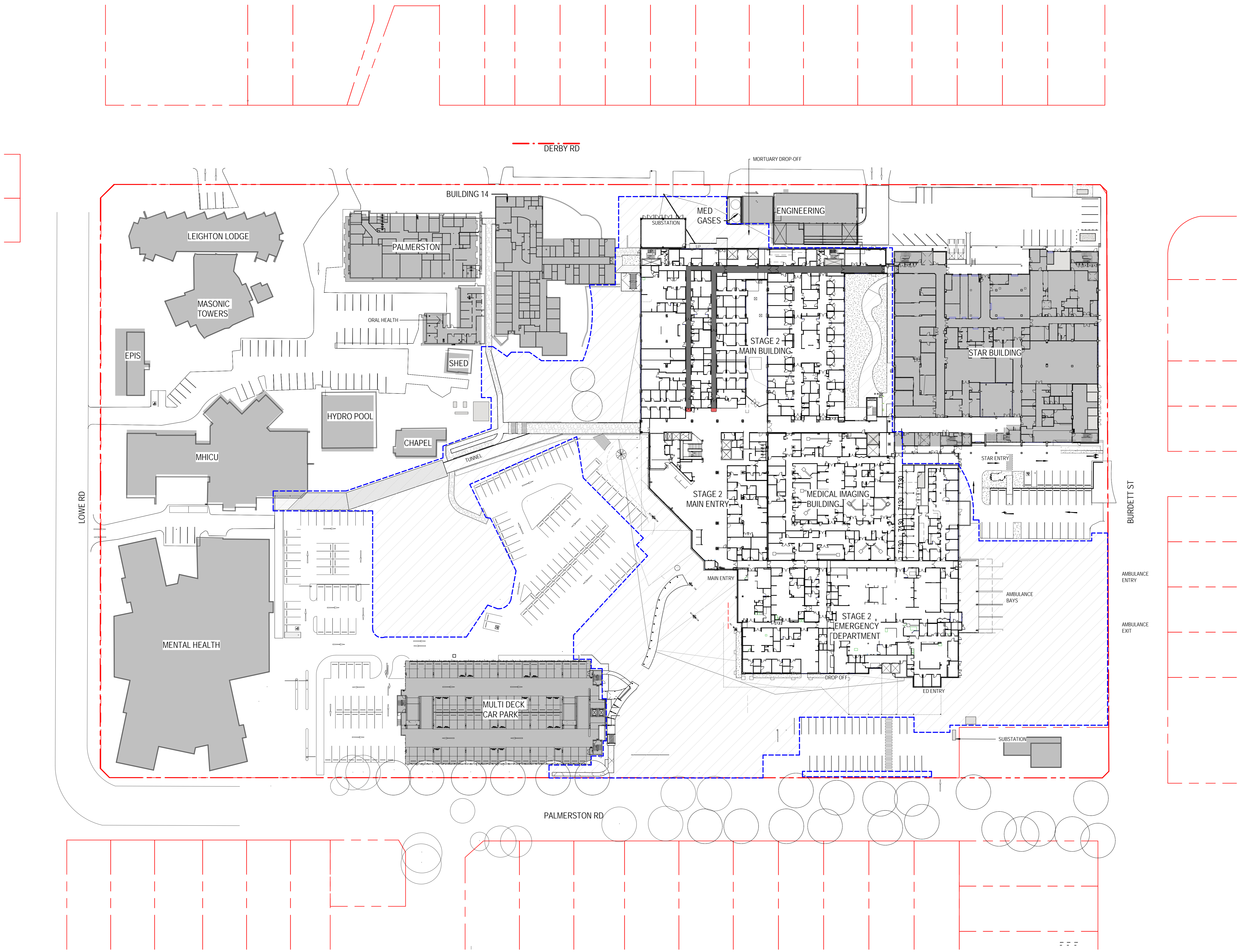
Should you have any enquiries associated with the development, please contact 02 9978 5999.

Yours sincerely,
Watpac Construction

A handwritten signature in black ink, appearing to read "Nick Fisher", with a large, sweeping flourish at the end.

HORNSBY KU-RING-GAI REDEVELOPMENT STAGE 2 - NEIGHBOUR LETTER DROP DISTRIBUTION AREA





KEY PLAN

REV	DESCRIPTION	DATE	DATE
1	Issue for Coordination	NT	28.07.17
2	Issue for Coordination	NT	25.08.17
3	Issue for Tender	NT	15.09.17
4	Issue for Tender	NT	26.09.17
5	Document number and file block updated	GS	20.10.2018
6	ISSUED FOR CROWN CERTIFICATE	MS	22.06.2018

--- OUTLINE OF STAGE 2 WORKS

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FIXTURES, FITTINGS & EQUIPMENT SPECIFICATIONS
 SUBSTITUTE FF&E EQUIPMENT SPECIFICATIONS
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ISSUED FOR INFORMATION

ARCHITECTS

ABN: 75 561 249 027
 3 GLENHARRISON ROAD, GLENHARRISON, NSW 2154
 PH: (02) 968 2405 FAX: (02) 968 2405

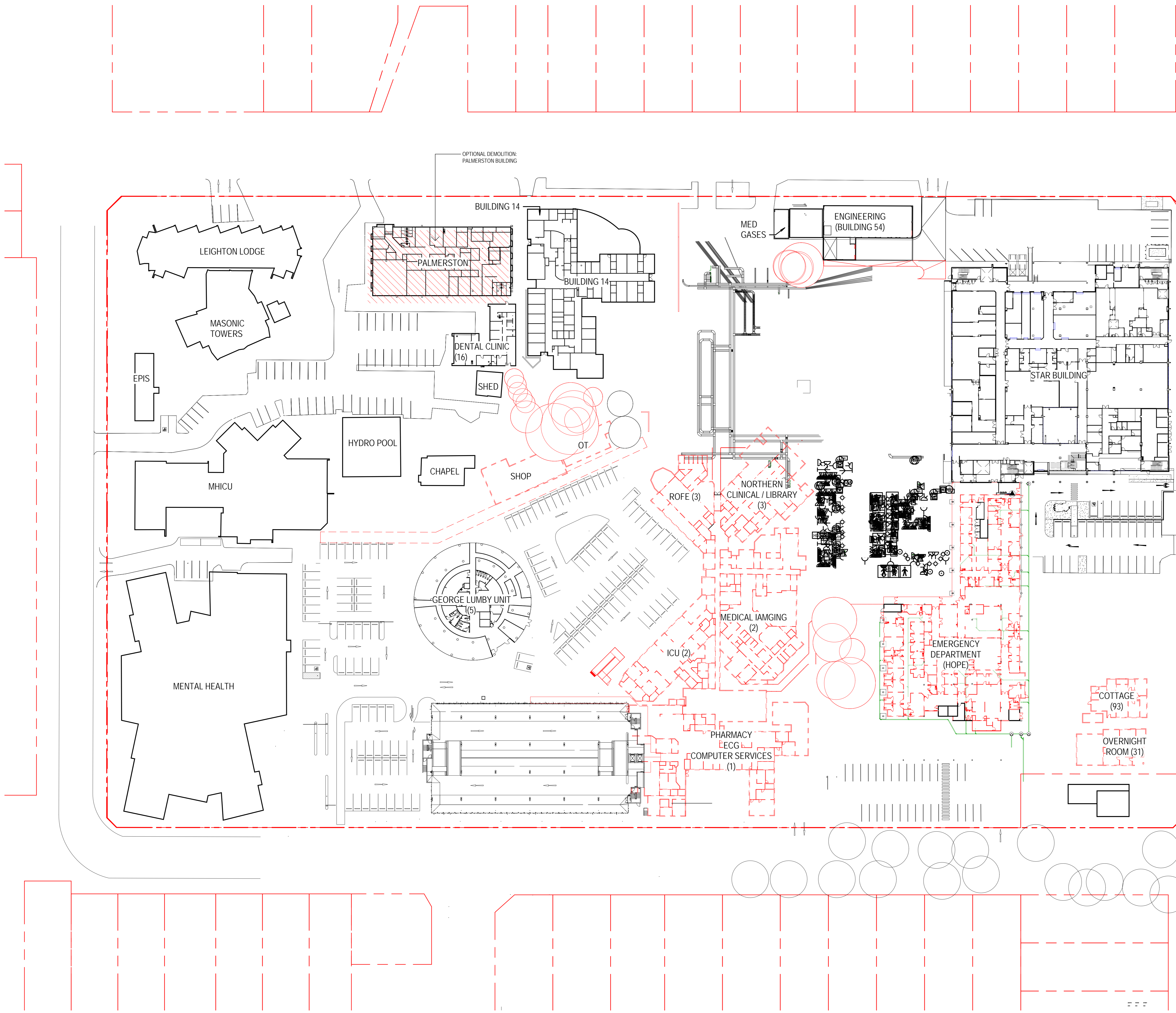
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PROJECT
HORNSBY KU-RING-GAI HOSPITAL STAGE 2
 Palmerston Road
 HORNSBY NSW 2077

DRAWING TITLE
SITE PLAN

SCALE: 1:500 @ A0 DATE: 20/04/18 DRAWN BY: GS CHECKED: NP

PROJECT No: 10390 ARC-DNG-10-001 REVISION: 6



KEY PLAN

REV	DESCRIPTION	DATE
1	Issue for Coordination	20.08.17
2	Issue for TENDER	15.09.17
3	Issue for Tender	20.09.17
4	Document number and title block updated	20.04.2018
5	ISSUED FOR CROWN CERTIFICATE	20.06.2018

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ARCHITECTS

ABN: 75 561 249 027
3 GLENHARRISON ROAD, GLENHARRISON, NSW 2154
PH: (02) 968 2200 FAX: (02) 968 2405

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PROJECT

HORNSBY KU-RING-GAI HOSPITAL STAGE 2

Palmerston Road
HORNSBY NSW 2077

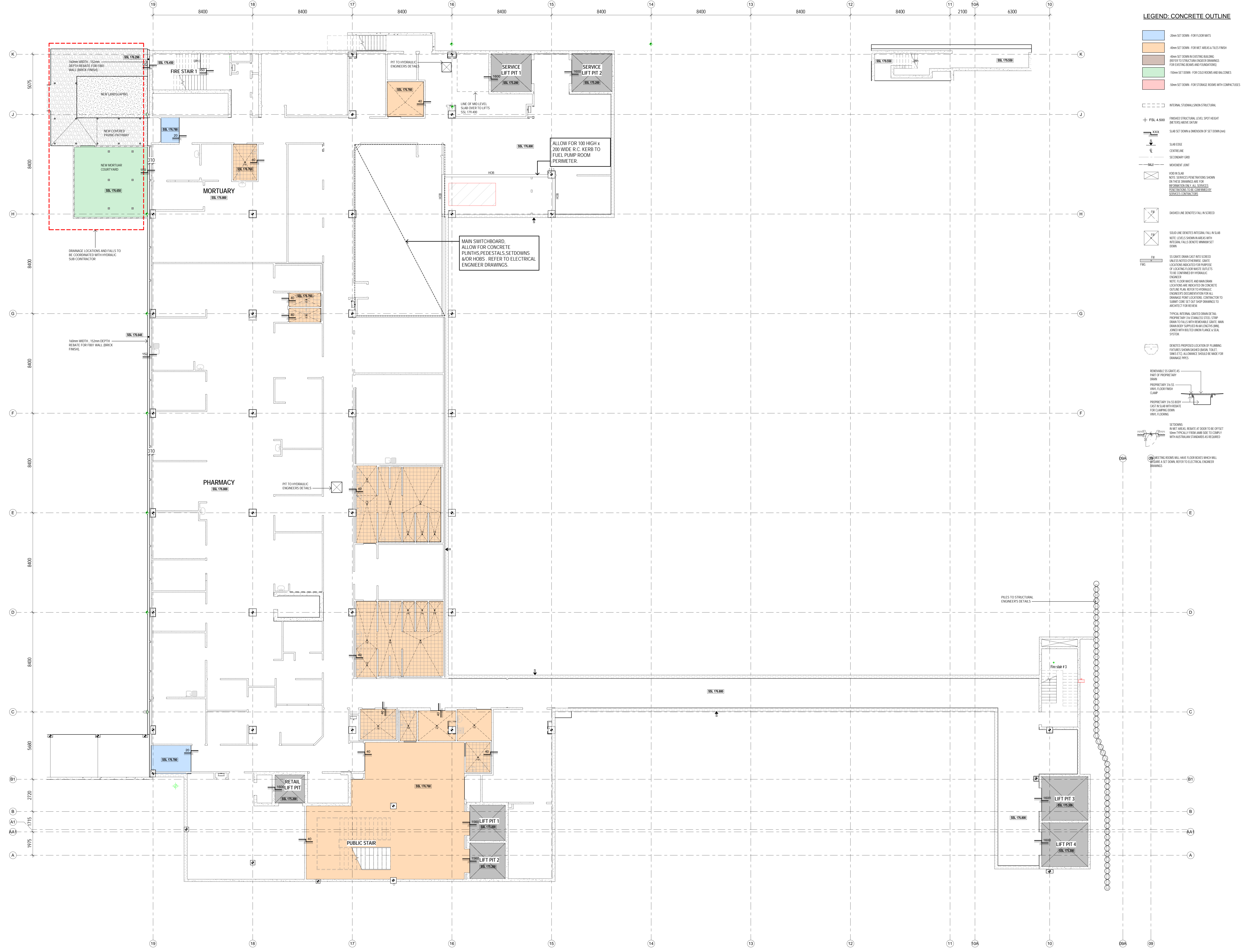
DRAWING TITLE

DEMOLITION PLAN SITE

SCALE	DATE	DRAWN BY	CHECKED
1:500 @ A0	20/04/18	GS	NP

PROJECT No: 10390 ARC-DNG-12-102

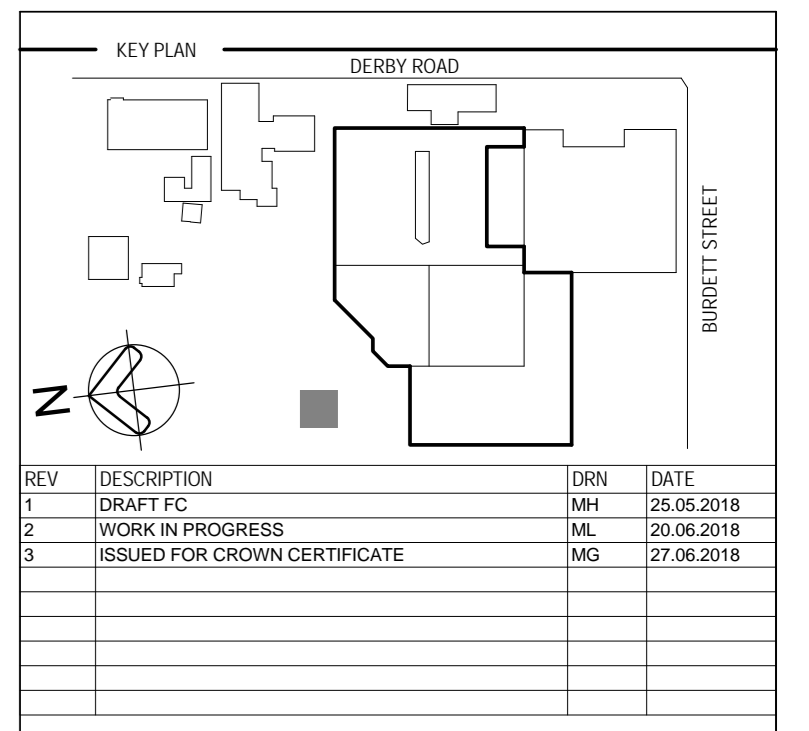
DRAWING No: 5



LEGEND: CONCRETE OUTLINE

- 10mm SET DOWN - FOR FLOOR MATS
- 40mm SET DOWN - FOR WET AREAS & TILES FRESH
- 40mm SET DOWN EXISTING BUILDING - REFER TO STRUCTURAL ENGINEER DRAWINGS FOR EXISTING FLOOR AND CONCRETE
- 150mm SET DOWN - FOR COLD ROOMS AND BALCONIES
- 50mm SET DOWN - FOR STORAGE ROOMS WITH COMPACTORS

- INTERNAL STRUCTURAL/STRUCTURAL
- PROPOSED STRUCTURAL LEVEL SPOT HEIGHT METERS ABOVE DATUM
- SLAB SET DOWN & DIMENSION OF SET DOWN
- SLAB EDGE
- CENTRAL LINE
- MOVEMENT JOINT
- VOID IN SLAB
- VOID SERVICES PENETRATIONS SHOWN ON THESE DRAWINGS ARE FOR INFORMATION ONLY - ALL SERVICES PENETRATIONS TO BE COMPLETED BY SERVICES CONTRACTORS
- DASHED LINE DENOTES FALL IN SCHEDULE
- STRUCTURE DETAIL: INTERNAL WALL IN SLAB
- SLAB GRATE DRAWN INTO SCHEDULE
- IDENTIFY PROPOSED LOCATION OF FLAMING FIXTURES SHOWN DASHED (SMALL TOILET, SINKS ETC). ALLOWANCE SHOULD BE MADE FOR DRINKING PIPS
- REMOVABLE SS GRATE AS PART OF PROPRIETARY DRAIN
- PROPRIETARY 210 SS VINE FLOORTRAP CLAMP
- PROPRIETARY 210 SS BODY CAST IN SLAB WHITEWASTE FOR CLIPPING DOWN VINYL FLOORING
- SETDOWNS
- WET AREAS: SEANTE AT DOOR TO BE OFFSET DOWN TYPICALLY FROM JAMB SIDE TO COMPLY WITH AUSTRALIAN STANDARDS AS REQUIRED
- MEETING ROOMS WILL HAVE FLOOR BONES WHICH WILL REQUIRE A SET DOWN. REFER TO ELECTRICAL ENGINEER DRAWINGS



REV	DESCRIPTION	DATE
1	ISSUED FOR INFORMATION	20/06/2018
2	WORK IN PROGRESS	20/06/2018
3	ISSUED FOR CONSTRUCTION CERTIFICATE	27/06/2018

- NOTES:**
- ALL DIMENSIONS ARE CENTER ON COLUMNS UNLESS NOTED OTHERWISE
 - CONCRETE OUTLINE DRAWINGS ONLY SHOW CONCRETE PERIMETER AND MAIN SERVICE POINT PENETRATIONS. REFER TO STRUCTURAL ENGINEER DRAWINGS FOR SERVICE PENETRATIONS TO BE AGREED WITH SERVICE SUB CONTRACTORS AND COORDINATED WITH SERVICES SHOP DRAWINGS BEFORE CONSTRUCTION
 - DRAWINGS TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEER'S DRAWINGS
 - REFER TO STRUCTURAL DRAWINGS FOR WALL AND FLOOR JOINTS, WALLS AND SERVICE PENETRATIONS. ALL VERTICAL MOVEMENT JOINTS TO MATCH THE WIDTH OF THE CORRESPONDING FLOOR JOINT
 - WHERE CONCRETE WALLS ARE TO BE CONSTRUCTED FOR SERVICES, THE CONCRETE FOR THE EXTENT OF THE CHASE SHALL BE IN ACCORDANCE WITH STRUCTURAL ENGINEER'S SPECIFICATIONS AND REFERRED TO IN THESE DRAWINGS
 - PROVIDE MINIMUM 1 IN FALLS WHERE STRUCTURAL SLABS FALL TO BATH WATER OUTLETS UNLESS NOTED OTHERWISE
 - UNDESIGNED OPENINGS ARE STRICTLY PROHIBITED
 - LEFT SHARP OPENINGS, SETDOWNS, RECOUNTS ETC. TO BE COORDINATED WITH LIFT MANUFACTURER. INTERNAL SHARP OPENINGS ARE TO BE COORDINATED WITH LIFT MANUFACTURER'S REQUIREMENTS
 - REFER TO PLUMBING SUBCONTRACTORS SHOP DRAWINGS FOR CURTAIN WALL PILING REQUIREMENTS
 - REFER TO SPECIFICATION FOR FURTHER INFORMATION
 - FOR ALL ROOMS TYPICALLY
 - DETAILS PENETRATION SETOUTS TO BE COMPLETED BY MECHANICAL SUBCONTRACTOR AND COORDINATED WITH STRUCTURAL ENGINEER
 - ALL PENETRATIONS TO HAVE 100mm HOLES ALL ROUND TYPICAL
 - ALL EQUIPMENT PLUMBING SIZES AND LOCATIONS TO BE SET OUT BY MECHANICAL SUBCONTRACTOR
 - REFER TO HYDRAULIC SUBCONTRACTORS DETAILS FOR FURTHER REQUIREMENTS
 - STEEL COLUMNS AND ACCOMPANYING BRACES TO BE PROVIDED TO THE CORNER OF ALL MEETING ROOMS AND BLOCKOUTS WHERE REQUIRED TO MATCH THIS
 - REFER TO PLUMBING SUBCONTRACTORS SHOP DRAWINGS FOR CURTAIN WALL PILING REQUIREMENTS
 - ENSURE MIN. SLAB THICKNESS FOR ADEQUATE FIRE SEPARATION BETWEEN COMPARTMENTS
 - ALL MEETING ROOMS WILL HAVE FLOOR BONES WHICH WILL REQUIRE A SET DOWN. REFER TO ELECTRICAL ENGINEER DRAWINGS

ABBREVIATIONS:

C/S	COMPARISON SITE
CP	CONCRETE
FSL	PROPOSED FLOOR LEVEL
FSL	PROPOSED GRAVEL UNDER WASTE LEVEL
FP	FINISHED PARKING LEVEL
FSL	PROPOSED STRUCTURAL LEVEL
FF	FLOOR FINISH
OF	OVER CURB
RL	RELATIVE LEVEL
PRO	PROPOSED WATER OUTLET
SC	STEEL COLUMN
S/S	STRUCTURAL SLAB LEVEL
SS	SS STAINLESS
STR	STRUCTURAL BEAM
TOP	TOP OF BEAM
TOP	TOP OF JOINT
TOP	TOP OF CURB
TOP	TOP OF PARAPET
TOP	CENTRE OF WALL
TS	TOPPING SLAB LEVEL
VAR	VARIABLE

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ISSUED FOR INFORMATION
 ARCHITECTS



HORNSBY KU-RING-GAI HOSPITAL STAGE 2
 Palmerston Road
 HORNSBY NSW 2077

LEVEL 0 - CONCRETE PLAN - MORTUARY & PHARMACY

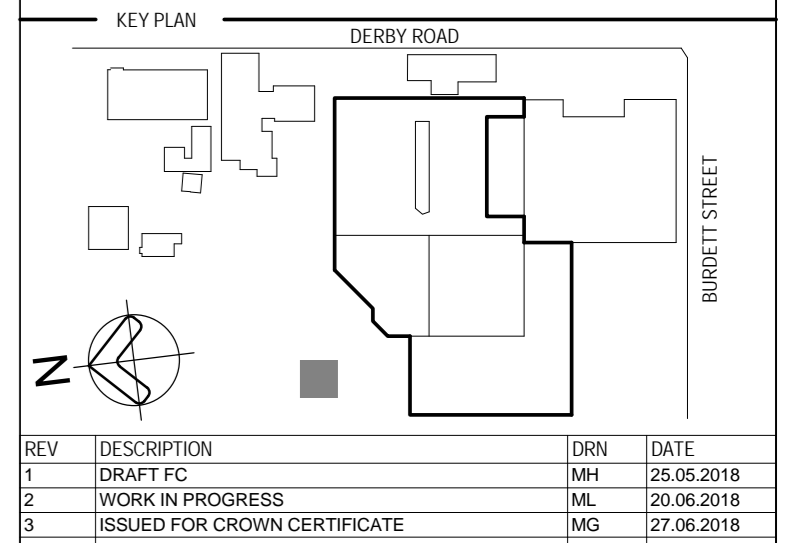
SCALE	DATE	DRAWN BY	CHECKED
1:100 @ A0	20/04/18	MH	BR

PROJECT No: 10390 ARC-DNG-21-001 **3**

LEGEND: CONCRETE OUTLINE

- 30mm SET DOWN FOR FLOOR SLABS
- 40mm SET DOWN FOR NET AREAS & TILES FINISH
- 40mm SET DOWN IN EXISTING BUILDING (REFER TO STRUCTURAL ENGINEER DRAWINGS FOR CASTING BEAMS AND FOUNDATIONS)
- 150mm SET DOWN FOR COLD ROOMS AND BALCONIES
- 0mm SET DOWN FOR STORAGE ROOMS WITH COMPACTORS

- INTERNAL STAIRWELL/STRUCTURAL
- FINISHED STRUCTURAL LEVEL SPOT HEIGHT METERS ABOVE DATUM
- SLAB SET DOWN & DIMENSION OF SET DOWN (mm)
- SLAB EDGE CENTRELINE
- MOVEMENT JOINT
- VOID IN SLAB
- DASHED LINE DENOTES FALL IN SCREED
- SOLID LINE DENOTES INTERNAL FALL IN SLAB
- SS GRATE DRAWN INTO SCREED UNLESS NOTED OTHERWISE
- HYDRAULIC PIT TO ENGINEER'S DETAILS
- REMOVABLE SS GRATE AS PART OF PROPRIETARY DRAIN
- PROPRIETARY 316 SS WIRE FLOOR/FRONT CLAMP
- PROPRIETARY 316 SS BODY CAST IN SLAB WITH REINFORCING FOR CARPETING/WINE FLOORING
- SETTINGS: IN WET AREAS, REINFORCING AT DOOR TO BE OFFSET 50mm TYPICALLY FROM LAB USE TO COMPLY WITH AUSTRALIAN STANDARDS AS REQUIRED
- ALL WETTING ROOMS SHALL HAVE FLOOR DRAINS WHICH WILL REQUIRE A SET DOWN. REFER TO ELECTRICAL ENGINEER DRAWINGS



REV	DESCRIPTION	DATE	BY	CHKD
1	DRAWN	14/06/2018	MM	MM
2	WORK IN PROGRESS	14/06/2018	MM	MM
3	ISSUED FOR CONCRETE CERTIFICATE	27/06/2018	MM	MM

- NOTES:**
- COLLARS ARE CENTRED ON CROSS-UNLESS NOTED OTHERWISE
 - CONCRETE OUTLINE DRAWINGS ONLY SHOW CONCRETE PROFILE AND MAIN REINFORCEMENT PENETRATIONS. SET DOWN REQUIREMENTS FOR SERVICE PENETRATIONS ARE TO BE AGREED WITH SERVICE SUB-CONTRACTORS AND COORDINATED WITH SERVICE SHOP DRAWINGS BEFORE CONSTRUCTION
 - REFER TO STRUCTURAL DRAWINGS FOR WALL AND FLOOR JOINTS UNLESS NOTED OTHERWISE. CONSTRUCT ALL VERTICAL MOVEMENT JOINTS TO MATCH THE WIDTH OF THE CORRESPONDING FLOOR JOINT
 - UNLESS CONCRETE WALLS ARE TO BE CONCRETE SERVICES THE CONCRETE FOR THE EXTENT OF THE CHASE SHALL BE IN ACCORDANCE WITH STRUCTURAL ENGINEER'S SPECIFICATIONS AND REFERRED TO FACE
 - PROVIDE MINIMUM 10mm FALLS WHERE STRUCTURAL SLABS FALL TO BARE WATER OUTLETS UNLESS NOTED OTHERWISE
 - DIMENSIONAL OPENINGS ARE MINIMUM 400mm
 - ON LIFT SHAFT OPENINGS, SET DOWN, BLOCKOUTS, ETC. TO BE COORDINATED WITH LIFT MANUFACTURER'S INSTALLATION SHAP
 - DIMENSIONAL OPENINGS ARE MINIMUM 400mm UNLESS OTHERWISE SPECIFIED
 - ALL WETTING ROOMS SHALL HAVE FLOOR DRAINS WHICH REQUIRE A SET DOWN. REFER TO ELECTRICAL ENGINEER DRAWINGS

- ABBREVIATIONS:**
- CSL CONCRETE LEVEL
 - OP DOWN PIPE
 - FINISHED FLOOR LEVEL
 - FINISHED GROUND FLOOR FINISH LEVEL
 - FINISHED FINING LEVEL
 - FINISHED STRUCTURAL LEVEL
 - FLOOR FINISH
 - OF OVERFLOOR
 - RELATIVE LEVEL
 - WATER/RAIN WATER OUTLET
 - STEEL COLUMN
 - STRUCTURAL SLAB LEVEL
 - SLAB EDGE
 - TOP OF BEAM
 - TOP OF JOB
 - TOP OF ROOF
 - TOP OF PARPET
 - TOP OF WALL
 - TOPPING SLAB LEVEL
 - VAR VARIES

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 SUBSTITUTE FIRE EQUIPMENT SPECIFICATIONS
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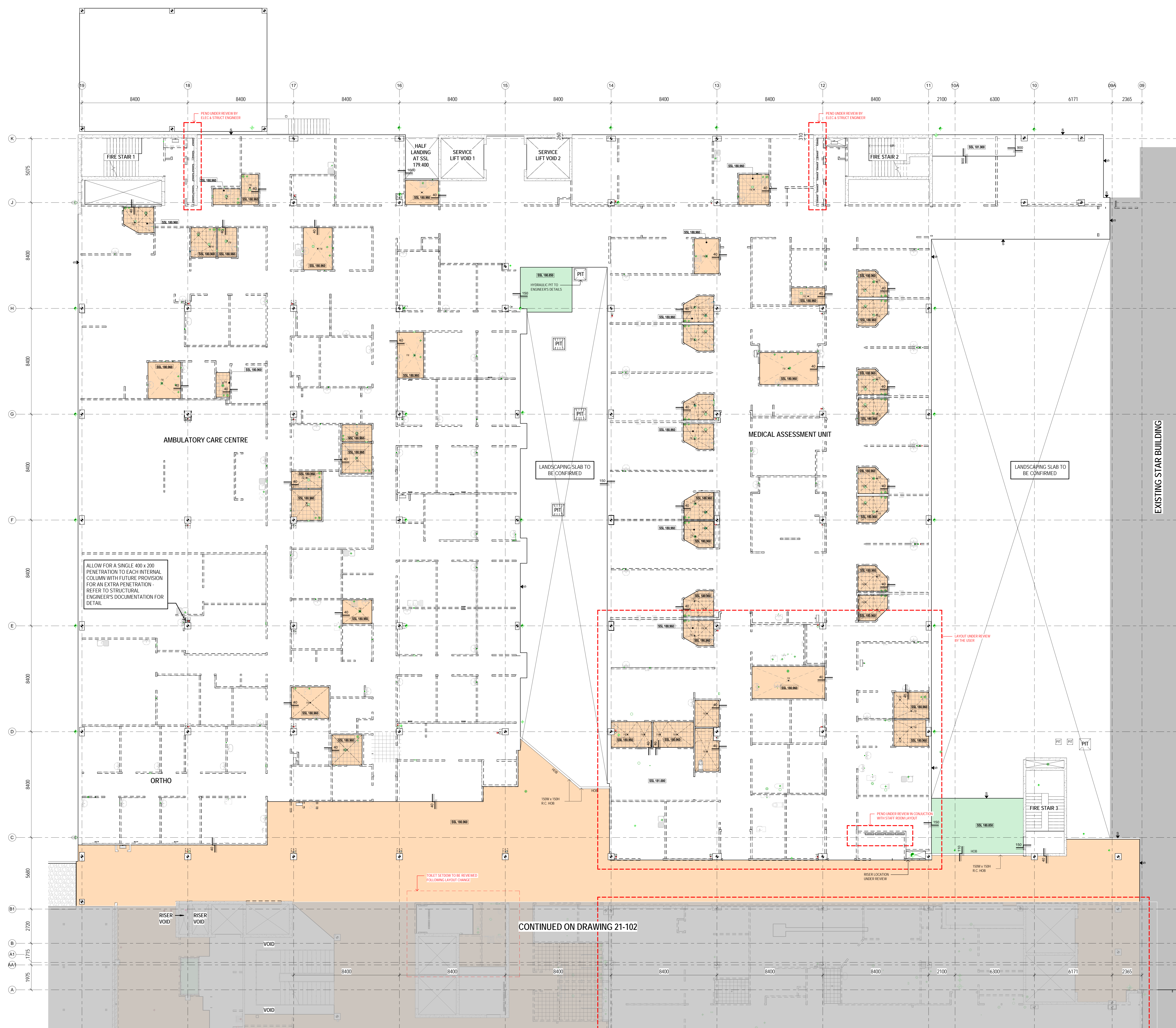
ISSUED FOR INFORMATION
 ARCHITECTS



HORNBSBY KU-RING-GAI HOSPITAL STAGE 2
 Palmerston Road
 HORNBSBY NSW 2077

LEVEL 1 - CONCRETE PLAN - ACC & MAU

SCALE	DATE	DRAWN BY	CHECKED
1:100 @ A0	20/04/18	MM	BR
PROJECT No	DRAWING No	DESIGNER	REVISION
10390	ARC-DNG-21-101		3



CONTINUED ON DRAWING 21-102

LEGEND: CONCRETE OUTLINE

- 20mm SET DOWN - FOR FLOODWAYS
- 40mm SET DOWN - FOR WET AREAS & TILES FINISH
- 40mm SET DOWN IN EXISTING BUILDING PREFER TO STRUCTURAL ENGINEER DRAWINGS FOR EXISTING BEAMS AND COLUMNS
- 100mm SET DOWN - FOR COLD ROOMS AND BALCONIES
- 50mm SET DOWN - FOR STORAGE ROOMS WITH COMPACTORS

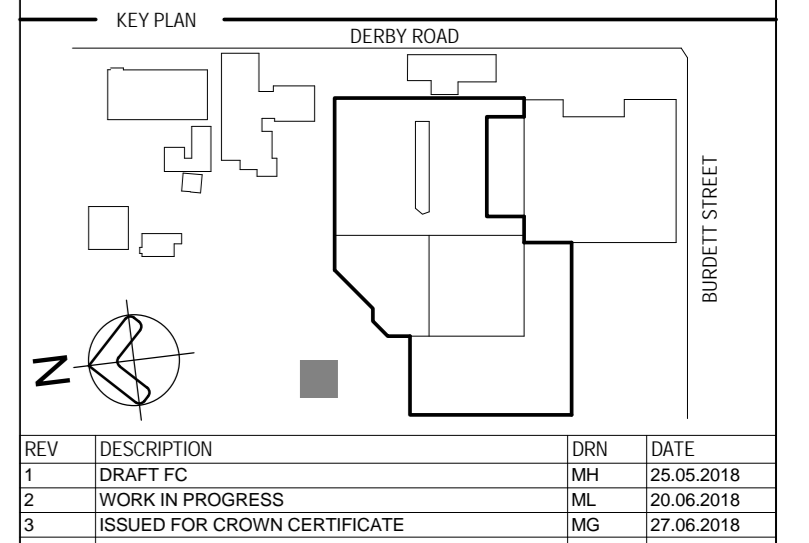
- INTERNAL STAIRWELL/STAIR STRUCTURAL
- FINISHED STRUCTURAL LEVEL (SPOT HEIGHT) METERS ABOVE DATUM
- SLAB SET DOWN (DIMENSION OF SET DOWN) (mm)
- SLAB EDGE
- CENTRELINE
- SECONDARY GRID
- MOVEMENT JOINT

- VOID IN SLAB
NOTE: SERVICE PENETRATIONS SHOWN ON THESE DRAWINGS ARE FOR INFORMATION ONLY. ALL SERVICES PENETRATIONS TO BE COMPLETED BY SERVICE CONTRACTORS.
- DASHED LINE DENOTES FALL IN SLOPED
- SOLID LINE DENOTES INTEGRAL FALL IN SLAB
NOTE: LEVELS SHOWN IN AREAS WITH INTEGRAL FALLS DENOTE MINIMUM SET DOWN

- SS GRATE DRAIN CAST INTO SLOPED UNLESS NOTED OTHERWISE. GRATE LOCATIONS INDICATED FOR PURPOSE OF LOCATING FLOOR WASTE OUTLETS TO BE COMPLETED BY HYDRAULIC ENGINEER.
NOTE: FLOOR WASTE AND MAIN DRAIN LOCATIONS ARE INDICATED ON CONCRETE OUTLINE PLAN. REFER TO HYDRAULIC ENGINEER'S DOCUMENTATION FOR ALL DRAINING POINT LOCATIONS. CONTRACTOR TO SUBMIT CORE SET OUT SHEET DRAWINGS TO ARCHITECT FOR REVIEW.
- TYPICAL INTERNAL CASTER DOWN RIGID PROPRIETARY 3/8" STAINLESS STEEL STOP DOWN WALLS WITH REMOVABLE GRATE WASTE DOWN BODY SUPPLIED IN LENGTHS (MAY BE ORDERED WITH SELECTED DOWN DRAINAGE & SSAL SYSTEM)

- SHOWN TO PROPOSED LOCATION OF PLUMBING FIXTURES SHOWN (SINKS, TOILET SINKS ETC.) ALLOWANCE SHOULD BE MADE FOR DRAINING PIPES.
- REMOVABLE SS GRATE AS PART OF PROPRIETARY DOWN RIGID FLOOR FINISH
PROPRIETARY 3/8" SS RIGID FLOOR FINISH CLAMP
PROPRIETARY 3/8" SS BODY CASTING WITH REMOVABLE FLOOR FINISH FOR DRAINING DOWN

- SETDOWNS IN WALL TAGS SHALL BE SET TO COMPLY WITH AUSTRALIAN STANDARDS AS RECORDED
- ALL MEETING ROOMS WILL HAVE FLOOR BENCHES WHICH REQUIRE A SET DOWN. REFER TO ELECTRICAL ENGINEER DRAWINGS.



REV	DESCRIPTION	DATE
1	DRAWN	20.06.2018
2	WORKS IN PROGRESS	20.06.2018
3	ISSUED FOR CONCRETE CERTIFICATE	27.06.2018

NOTES

- COLLARS ARE CENTRED ON GRIDS UNLESS NOTED OTHERWISE
- CONCRETE OUTLINE DRAWINGS ONLY SHOW CONCRETE PROFILES AND WALL SERVICE DUCT THE TRENDS. SEE ALSO REQUIREMENT FOR SERVICE PENETRATIONS ARE TO BE AGREED WITH SERVICE SUB CONTRACTOR AND COORDINATED WITH SERVICE SHOP DRAWINGS BEFORE CONSTRUCTION
- DRAWINGS TO BE SEAL IN CONJUNCTION WITH STRUCTURAL ENGINEER DRAWINGS
- REFER TO STRUCTURAL DRAWINGS FOR WALL AND FLOOR JOINTS UNLESS NOTED OTHERWISE. CONTRACT ALL VERTICAL MOVEMENT JOINTS TO MATCH THE METHOD OF THE CORRESPONDING FLOOR JOINT OR WHERE CONCRETE WALLS ARE TO BE CAST FOR SERVICES THE CONCRETE FOR THE EXIST OF THE JOINTS SHALL BE IN COMPLIANCE WITH STRUCTURAL ENGINEER'S SPECIFICATIONS AND REFER TO FACE
- OR PROVIDE MINIMUM 100mm FALLS WHERE STRUCTURAL SLABS FALL TO DRAIN WATER OUTLETS UNLESS NOTED OTHERWISE
- OR DRAINAGE OPENINGS ARE REMOVED OR COVERED
- OR LIFT SHAFT OPENINGS, SETDOWNS, REDUCERS ETC. TO BE COORDINATED WITH STRUCTURAL ENGINEER
- DRAINING GRATES ARE REMOVED UNLESS NOTED OTHERWISE
- REFER TO HYDRAULIC SUBCONTRACTOR'S DETAILS FOR CISTERN WALL FINISH REQUIREMENTS
- REFER TO SPECIFICATION FOR FURTHER INFORMATION: 1) FOR PLANT ROOMS TYPICALLY
- DETAILED PENETRATION SETOUTS TO BE COMPLETED BY MECHANICAL SUBCONTRACTOR AND COORDINATED WITH STRUCTURAL ENGINEER
- ALL PENETRATIONS TO HAVE 100mm RADIUS ALL ROUND TYPICALLY
- ALL EQUIPMENT PLUMBING SITES AND LOCATIONS TO BE SET OUT BY MECHANICAL SUBCONTRACTOR
- REFER TO HYDRAULIC SUBCONTRACTOR'S DETAILS FOR FURTHER REQUIREMENTS

ABBREVIATIONS

CCS: COMPARISON SITE
 CP: DOWN PIPE
 FFL: FINISHED FLOOR LEVEL
 FGL: FINISHED GRAVEL/LOCK WASTE LEVEL
 FSL: FINISHED STRUCTURAL LEVEL
 FL: FLOOR FINISH
 OF: OVERCROP
 RL: RELATIVE LEVEL
 RW: RAIN WATER OUTLET
 SC: SIDE STEP
 SS: STRUCTURAL SLAB LEVEL
 TB: TOP OF BEAM
 TO: TOP OF WALL
 TOB: TOP OF ROOF
 TOF: TOP OF FINISH
 TOF: TOP OF WALL
 TOF: TOP OF WALL
 TSL: TOPPING SLAB LEVEL
 WAP: WATER

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ISSUED FOR INFORMATION
 ARCHITECTS

STH

ARCHITECTS
 ABN: 75 561 240 927
 3 CLEVELAND ROAD, SYDNEY, NSW 1588, AUSTRALIA
 PH: (02) 9663 2333 FAX: (02) 9663 2405

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NSW Health Infrastructure WATPAC

PROJECT
HORNSBY KU-RING-GAI HOSPITAL STAGE 2

Palmerston Road
 HORNSBY NSW 2077

DRAWING TITLE
LEVEL 1 - CONCRETE PLAN - MAIN ENTRY

SCALE: DATE: DRAWN BY: CHECKED:
 1:100@A0 20/04/18 MH BR

PROJECT No: DRAWING No: REVISION:
 10390 ARC-DNG-21-102 **3**



CONTINUED ON DRAWING 21-101

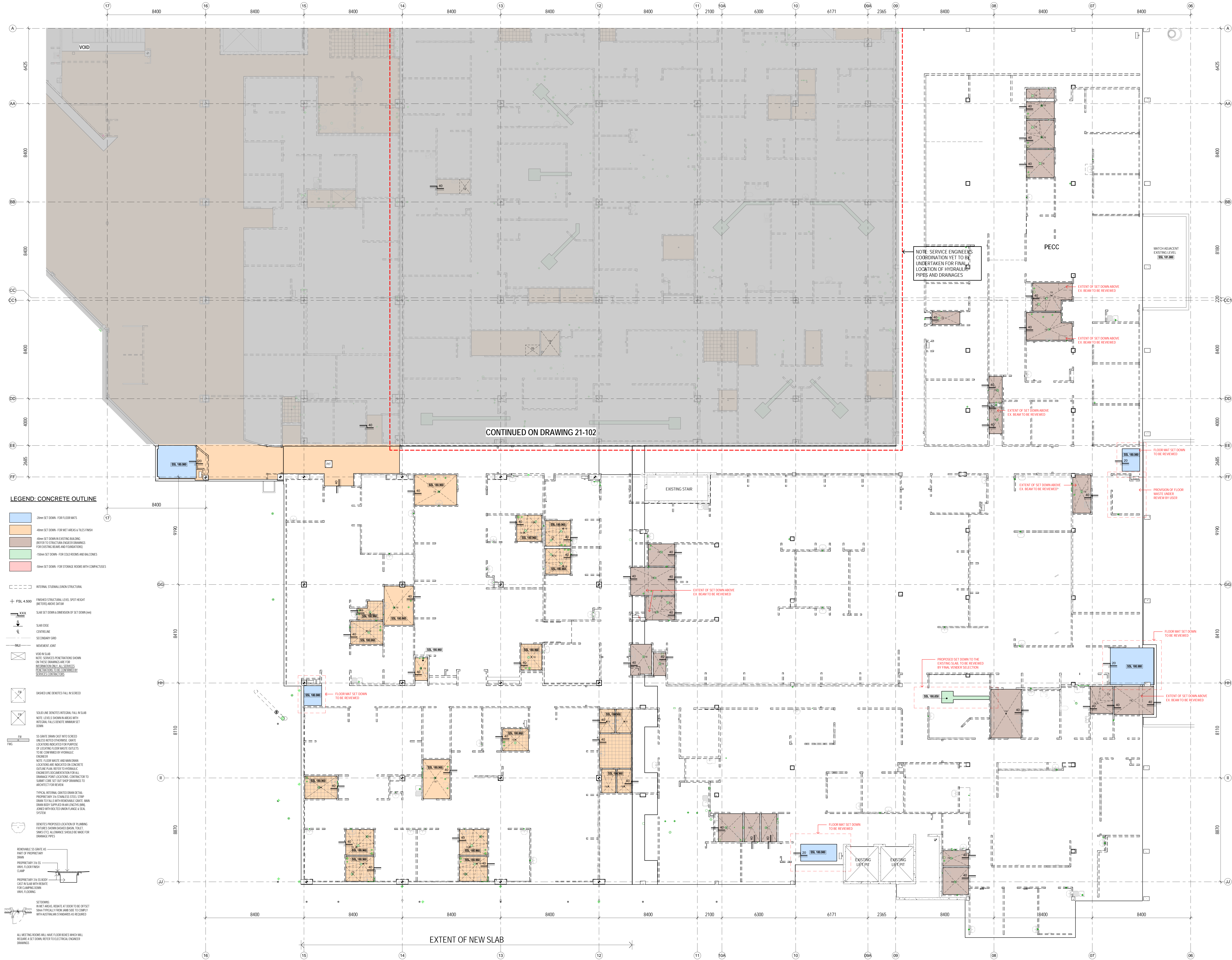
CONTINUED ON DRAWING 21-103

EXISTING HOPE BUILDING

NOTE: SERVICE ENGINEERS COORDINATION YET TO BE UNDERTAKEN FOR FINAL LOCATION OF HYDRAULIC PIPES AND DRAINAGES

CONCRETE HOBB UNDER REVIEW

TABLE SET DOWN TO BE REVIEWED FOLLOWING LAYOUT CHOICE



- LEGEND: CONCRETE OUTLINE**
- 20mm SET DOWN - FOR FLOOR MATS
 - 40mm SET DOWN - FOR NET AREAS & TILE FINISH
 - 40mm SET DOWN IN EXISTING BUILDING - REFER TO STRUCTURAL DRAWINGS FOR EXISTING BEAMS AND FOUNDATIONS
 - 50mm SET DOWN - FOR COLD ROOMS AND BALCONIES
 - 50mm SET DOWN - FOR STORAGE ROOMS WITH COMPACTORS
- INTERNAL STRUCTURAL/SHOWN STRUCTURAL
- FINISHED STRUCTURAL LEVEL, SPOT HEIGHT (METERS ABOVE DATUM)
- SLAB SET DOWN & DIMENSION OF SET DOWN (mm)
- SLAB EDGE
- CONCRETE
- SECONDARY GRID
- MOVEMENT JOINT
- VOID IN SLAB
NOTE: SERVICES PENETRATIONS SHOWN ON THESE DRAWINGS ARE FOR INFORMATION ONLY. ALL SERVICES MUST BE VERIFIED TO BE CORRECTLY LOCATED AND DEPTH.
- DASHED LINE DENOTES FALL IN SLOPED
- SOLID LINE DENOTES INTEGRAL FALL IN SLAB
NOTE: LEVELS SHOWN IN AREAS WITH INTEGRAL FALLS DENOTE MINIMUM SET DOWN
- SS GRATE DRAWN SET INTO SLOPED UNLESS NOTED OTHERWISE. GRATE LOCATIONS INDICATED FOR PURPOSE OF LOCATING FLOOR WASTE OUTLETS TO BE COORDINATED BY HYDRAULIC ENGINEER.
NOTE: FLOOR WASTE AND WASH DOWN LOCATIONS ARE INDICATED ON CONCRETE OUTLINE PLAN. REFER TO HYDRAULIC ENGINEER FOR COORDINATION FOR ALL DRAINAGE POINT LOCATIONS. CONTRACTOR TO SUBMIT ONE SET TOP SHOP DRAWINGS TO ARCHITECT FOR REVIEW.
- TYPICAL INTERNAL GRATED DRAIN DETAIL. PROPRIETARY 315 SHALLOW STEEL STOP DRAIN TO FALLS INTERCHANGEABLE. GREAT WASH BODY SUPPLIED WITH ELECTRIC SUMP, JOINED WITH INTERCHANGEABLE SUMP SYSTEM.
- DENOTES PROPOSED LOCATION OF PLUMBING FIXTURES SHOWN DASHED BASKIN. TOILET SINKS ETC. ALLOWING SHOULDER MADE FOR DRAINAGE PIPES.
- REMOVABLE 30 GRATE AT PART OF PROPRIETARY DRAIN.
PROPRIETARY 315 SS VINYL FLOOR FINISH CLAMP.
PROPRIETARY 315 SS BODY CAST IN SUMP WITH STRIPS FOR CLAMPING DOWN VINYL FLOORING.
- SET DOWN: WHERE AREAS REARTE AT DOOR TO BE OFFSET DOWN TYPICALLY FROM JAMB SIZE TO COMPLY WITH ACCESS STANDARDS AS REQUIRED.
- ALL MEETING ROOMS WILL HAVE FLOOR BODIES WHICH WILL REQUIRE A SET DOWN. REFER TO ELECTRICAL ENGINEER DRAWINGS.

KEY PLAN

REVISIONS

REV	DESCRIPTION	DATE
1	DRAWN FOR	20.06.2018
2	WORK IN PROGRESS	20.06.2018
3	ISSUED FOR CONCRETE CERTIFICATE	27.06.2018

- NOTES**
01. COLUMNS ARE CENTRED ON GRID UNLESS NOTED OTHERWISE.
 02. CONCRETE CURING DRAWINGS SHALL SHOW CONCRETE PROFILE AND MAJOR SERVICE DUCT PENETRATIONS DETAIL REQUIREMENTS FOR SERVICE PENETRATIONS ARE TO BE AGREED WITH SERVICE SUB-CONTRACTORS AND COORDINATED WITH SERVICE SHOP DRAWINGS BEFORE CONSTRUCTION.
 03. DRAWING TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEERS DRAWINGS.
 04. REFER TO STRUCTURAL DRAWINGS FOR WALL AND FLOOR JOINTS. UNLESS NOTED OTHERWISE, CONSTRUCT ALL VERTICAL MOVEMENT JOINTS TO MATCH THE RESPECTIVE THE CORRESPONDING FLOOR JOINT.
 05. WHERE CONCRETE WALLS ARE TO BE CAST FOR SERVICES THE CONCRETE ON THE EXTEND OF THE CHASE SHALL BE IN ACCORDANCE WITH STRUCTURAL ENGINEERS SPECIFICATIONS AND RENDERED TO FACE.
 06. PROVIDE MINIMUM 100mm FALLS WHERE STRUCTURAL SLABS FALL TO DOWN WATER DRAINAGE UNLESS NOTED OTHERWISE.
 07. OVERSICED OPENINGS ARE UNLESS NOTED OTHERWISE.
 08. LEFT HAND OPENINGS, SEVERAL REBAR, ETC. TO BE COORDINATED WITH LEFT MANUFACTURER. INTERNAL SHAFT OPENINGS SHALL HAVE UNLESS NOTED OTHERWISE FOR CERTAIN WALL FINISH REQUIREMENTS.
 09. REFER TO LOCAL MANUFACTURER'S SHOP DRAWINGS FOR CERTAIN WALL FINISH REQUIREMENTS.
 10. REFER TO SPECIFICATION FOR FURTHER INFORMATION.
 11. FOR PLANT ROOMS TYPICALLY:
 - 04. FLOOR FINISH TRIM SET TO BE CONFIRMED BY MECHANICAL SUBCONTRACTOR AND COORDINATED WITH STRUCTURAL ENGINEER.
 - ALL FLOOR FINISH TO HAVE TYPICALLY ALL ROUND TYPICALLY.
 - ALL EQUIPMENT PLUMBING AND LOCATIONS TO BE SET OUT BY MECHANICAL SUBCONTRACTOR.
 - REFER TO MECHANICAL SUBCONTRACTOR FOR FURTHER REQUIREMENTS.
 12. STEEL COLUMN AND ASSOCIATED BASE PLATES/FRAMES TO BE CONCEALED WITHIN WALLS AND FINISH TYPICALLY FORM SET DOWNS.
 13. REFER TO FACE CONCRETE DETAILS FOR ASSOCIATED STEEL WORK BETWEEN FIRE COMPARTMENTS.
 14. ALL LISTING RECORDS WILL HAVE LOCKERS WHICH WILL REQUIRE A SET DOWN. REFER TO ELECTRICAL ENGINEER DRAWINGS.

- ABBREVIATIONS**
- CONF. CONFIRM ON SITE
 - DP DOWN PIPE
 - FPL FINISHED FLOOR LEVEL
 - FGD FINISHED GATEWAY LEVEL
 - LEV. FINISHED LEVEL
 - PS FINISHED STRUCTURAL LEVEL
 - FW FLOOR WASTE OF OVERFLOW
 - RL RELATIVE LEVEL
 - MSM METER SOCKET
 - SC STEEL COLUMN
 - SSL STRUCTURAL SLAB LEVEL
 - ST SOLE STACK
 - TOP TOP OF BEAM
 - TOP TOP OF JOIST
 - TOP TOP OF ROOF
 - TOP TOP OF WALL
 - TS TOP OF SLAB LEVEL
 - VAR VARIES

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ISSUED FOR INFORMATION

ARCHITECTS

STH

ARCHITECTS

3 GLENHARRISON ROAD, SYDNEY, NSW 1511
PH (02) 968 2333 FAX (02) 968 2405

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NSW Health Infrastructure WATPAC

PROJECT

HORNBSBY KU-RING-GAI HOSPITAL STAGE 2

Palmerston Road
HORNBSBY NSW 2077

DRAWING TITLE

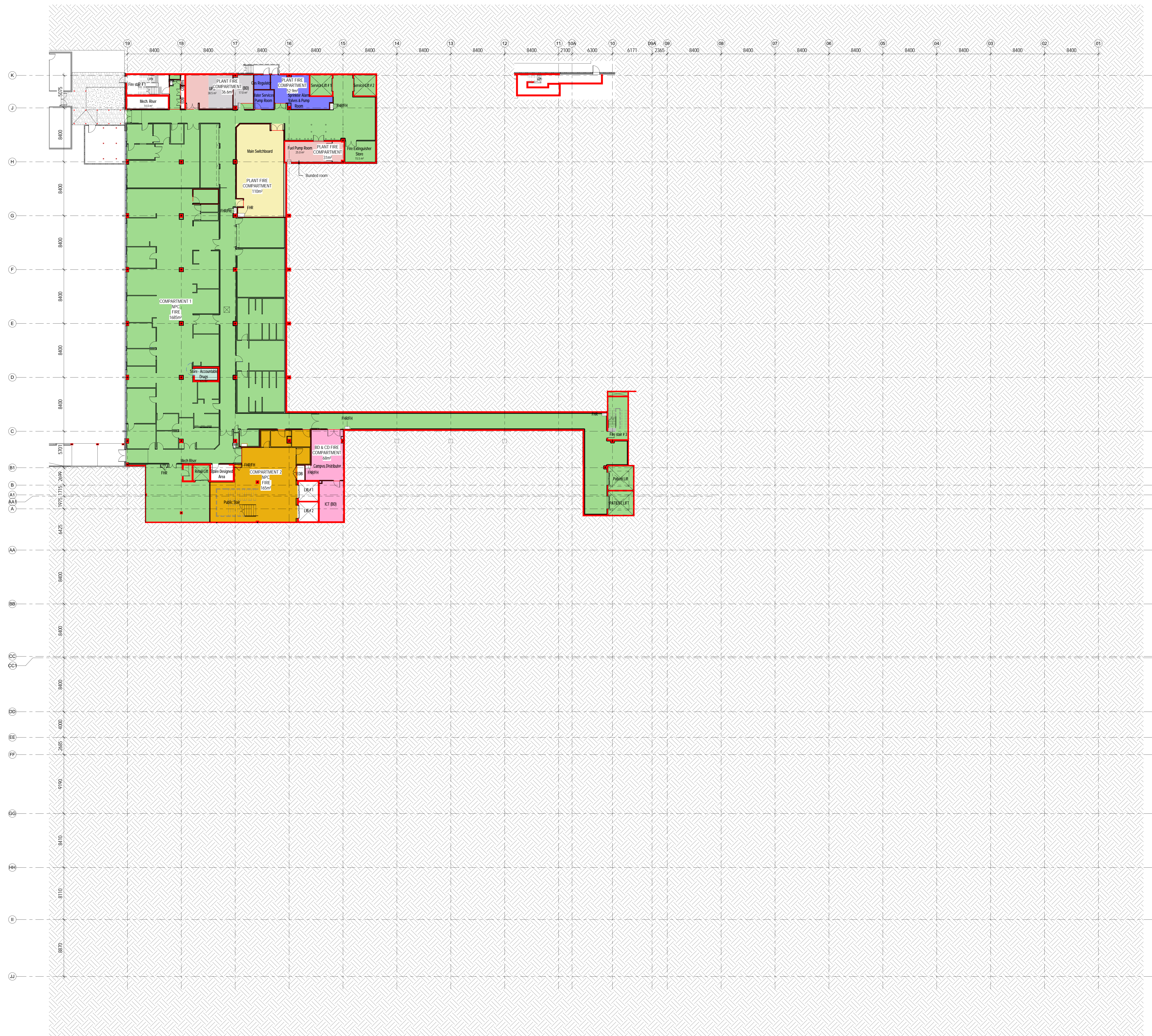
LEVEL 1 - CONCRETE PLAN - EMERGENCY DEPT

SCALE: DATE: DRAWN BY: CHECKED:

1: 100 @ 20/04/18 MH BR

PROJECT NO: DRAWING NO: REVISION:

10390 ARC-DNG-21-103 **3**



KEY PLAN

REV	DESCRIPTION	DRN	DATE
1	Issue for Construction	NT	20.08.17
2	Level 0 update - Planning change	NT	06.09.17
3	Issue for Tender	NT	15.09.17
4	Issue for Tender	NT	26.09.17
5	Document number and file block updated	GS	20.10.2018
6	GENERAL REVISIONS FOR REVIEW	BR	06.10.2018
7	FIRE COMPARTMENTS LOCATED	MS	20.10.2018
11	ISSUED FOR CONSTRUCTION	MS	27.08.2018
12	ISSUED FOR CONSTRUCTION	MS	27.08.2018

NOTE: ALL 2 HOUR FIRE RATING IS INDICATED IN RED

2HR FIRE WALL LINE

FIRE WALL LEGEND

- LOUVERED FIRE WALL
200mm THICK
- CONCRETE FIRE WALL
MIN. 200mm CONCRETE WALL
REFER TO PARTITION DRAWING AND SCHEDULE FOR WALL THICKNESS.
- MASONRY FIRE WALL
MIN. 190mm REINFORCED BLOCK WALL

FOR PARTITION DETAILS REFER TO SHEET ARC-DNG-24-001

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ARCHITECTS

ABN: 75 561 249 027
3 GLENHARBOUR GLENHARBOUR VIC 3146
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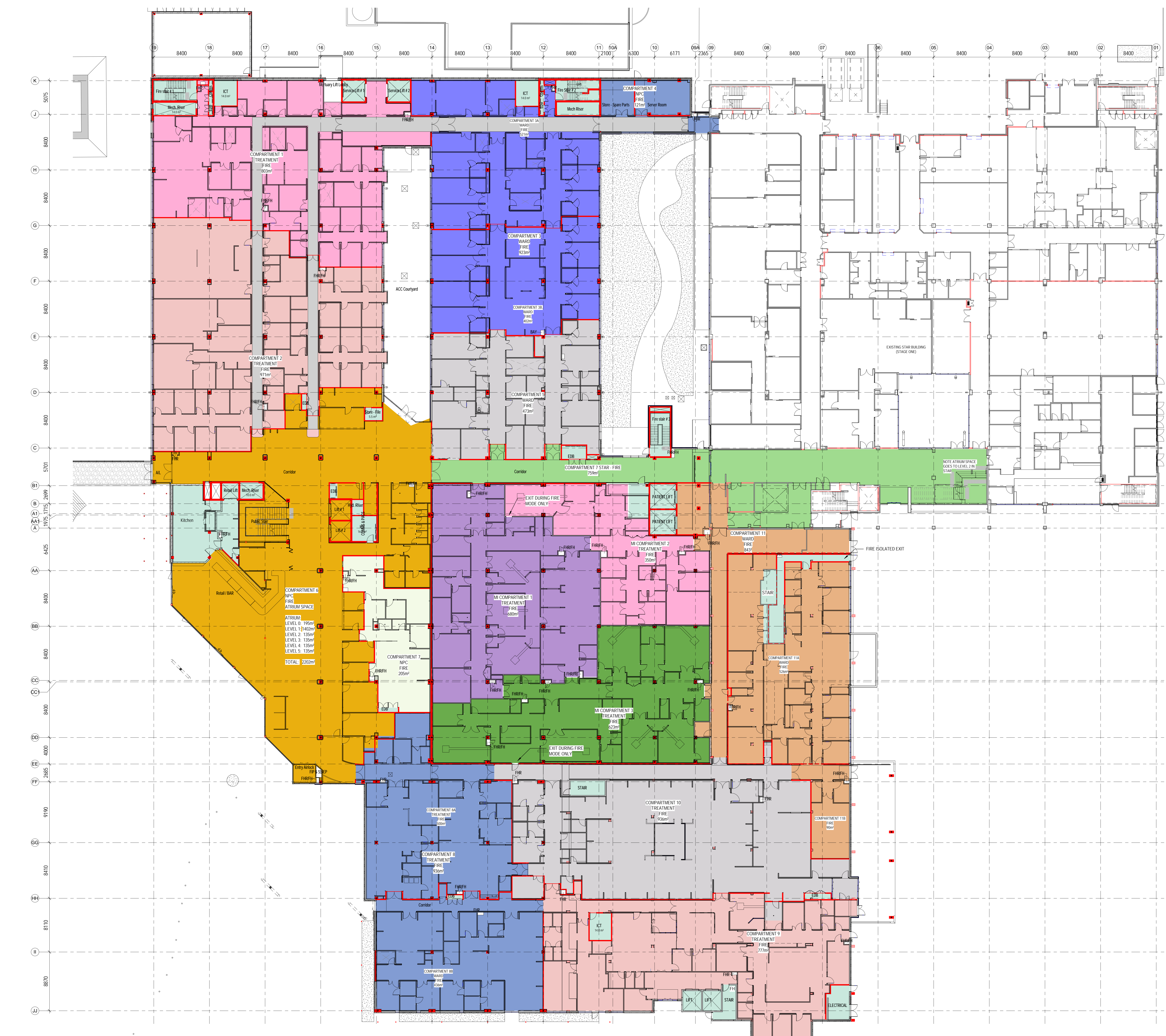
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DRAWING TITLE

LEVEL 0 - COMPARTMENT PLAN

SCALE	DATE	DRAWN BY	CHECKED
As indicated @ A0	20/04/18	GS	NP

PROJECT No: 10390 DRAWING No: ARC-DNG-27-001 REVISION: 12



KEY PLAN

REV	DESCRIPTION	DATE
1	Issue for Construction	27.06.2018
2	Issue for Tender	25.09.17
3	Issue for Tender	15.09.17
4	Issue for Tender	26.09.17
5	Document number and file track updated	25.06.2018
6	ISSUED FOR INFORMATION	25.06.2018
7	ISSUED FOR INFORMATION	25.06.2018
8	ISSUED FOR INFORMATION	25.06.2018
9	ISSUED FOR INFORMATION	25.06.2018
10	ISSUED FOR INFORMATION	25.06.2018
11	ISSUED FOR INFORMATION	25.06.2018
12	ISSUED FOR INFORMATION	25.06.2018

NOTE: ALL 2 HOUR FIRE RATINGS INDICATED IN RED

2HR FIRE WALL LINE

FIRE WALL LEGEND

- ALTERNATIVE FIRE WALL: 2x120mm WOODCLAY, 2x100mm STEEL STUD, 2x120mm WOODCLAY
- CONCRETE FIRE WALL: MIN. 200mm CONCRETE WALL REFER TO PARTITION PLAN AND SCHEDULE FOR WALL THICKNESS
- MASONRY FIRE WALL: MIN. 150mm REINFORCED BLOCK WALL

FOR PARTITION DETAILS REFER TO SHEET ARC-DNG-24-001

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ARCH. 23 561 249-02
3 GLENHARVEY ROAD, SYDNEY, NSW 1510
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PROJECT

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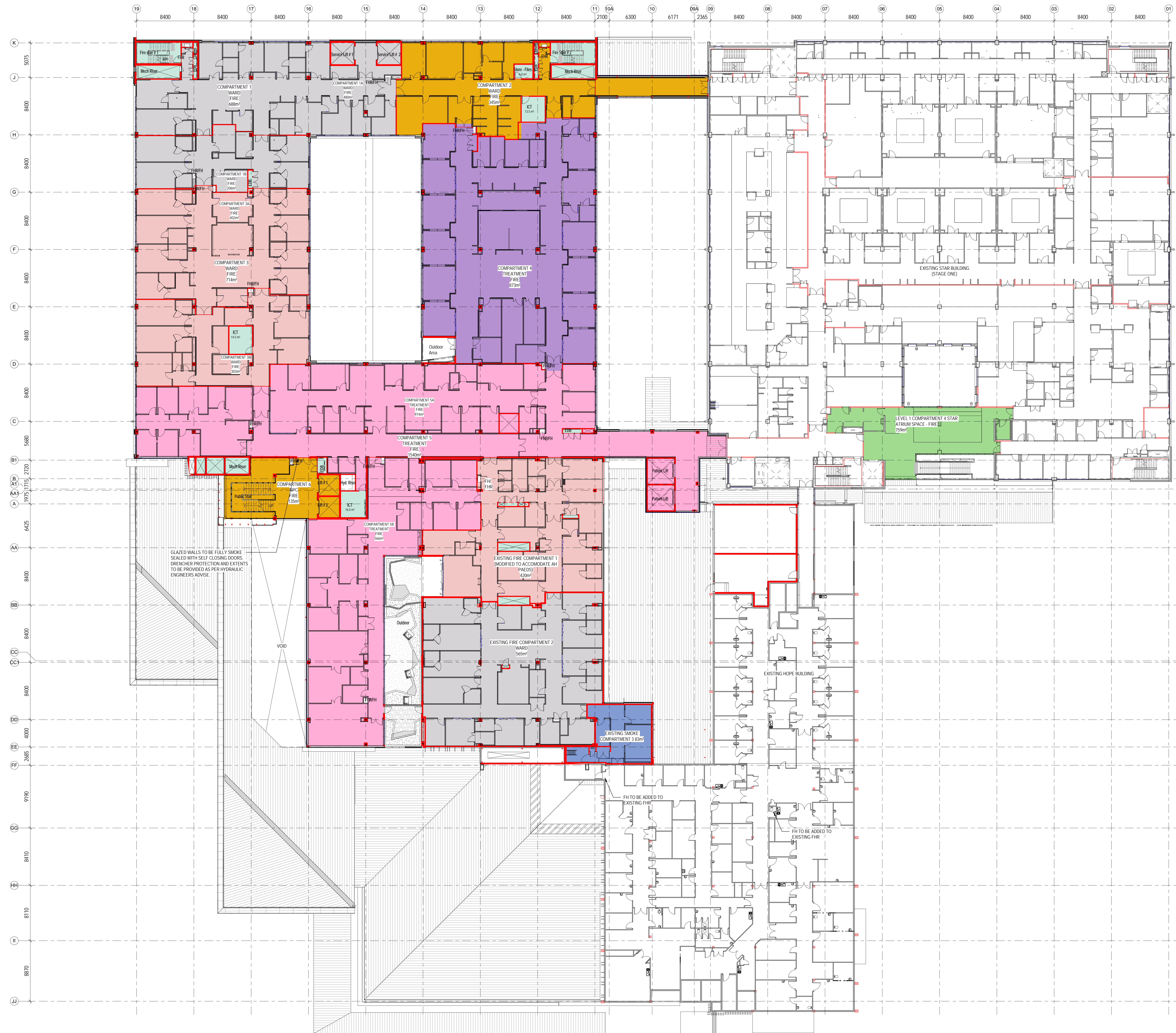
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DRAWING TITLE

LEVEL 1 - COMPARTMENT PLAN

SCALE: DATE: 20/04/18 DRAWN BY: GS CHECKED: NP

PROJECT No: 10390 ARC-DNG-27-101 DRAWING No: 12



KEY PLAN

REV	DESCRIPTION	DATE
1	Compartments amended to match layout adjustments	20.08.17
2	Fire Compartments updated	31.08.17
3	Gate and Compartment drawings updated	15.09.17
4	Issue for Tender	28.09.17
5	Issue for Review	15.10.17
6	Document number and file name updated	20.04.2018
7	GENERAL REVISIONS FOR REVIEW	09.04.2018
8	ISSUED FOR CROWN CERTIFICATE	22.06.2018
9	POST CONSTRUCTION	17.06.2018

NOTE ALL 2 HOUR FIRE RATING IS INDICATED IN RED

2HR FIRE WALL LINE

FIRE WALL LEGEND

- LIGHTWEIGHT FIRE WALL
2x125mm FIBREGLASS
2x125mm STEEL STUD
2x125mm FIBREGLASS
- CONCRETE FIRE WALL
MIN. 200mm CONCRETE WALL
REFER TO PARTITION PLAN AND SCHEDULE FOR WALL THICKNESS
- MASONRY FIRE WALL
MIN. 200mm REINFORCED BLOCK WALL

FOR PARTITION DETAILS REFER TO SHEET ARC-DNG-24-001

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ISSUED FOR INFORMATION

ARCHITECTS

ABN: 73 561 240 027
3 GLENHARRISON ROAD, SYDNEY, NSW 1510
PH: (02) 9683 2405
FX: (02) 9683 2405

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PROJECT

HORNSBY KU-RING-GAI HOSPITAL STAGE 2

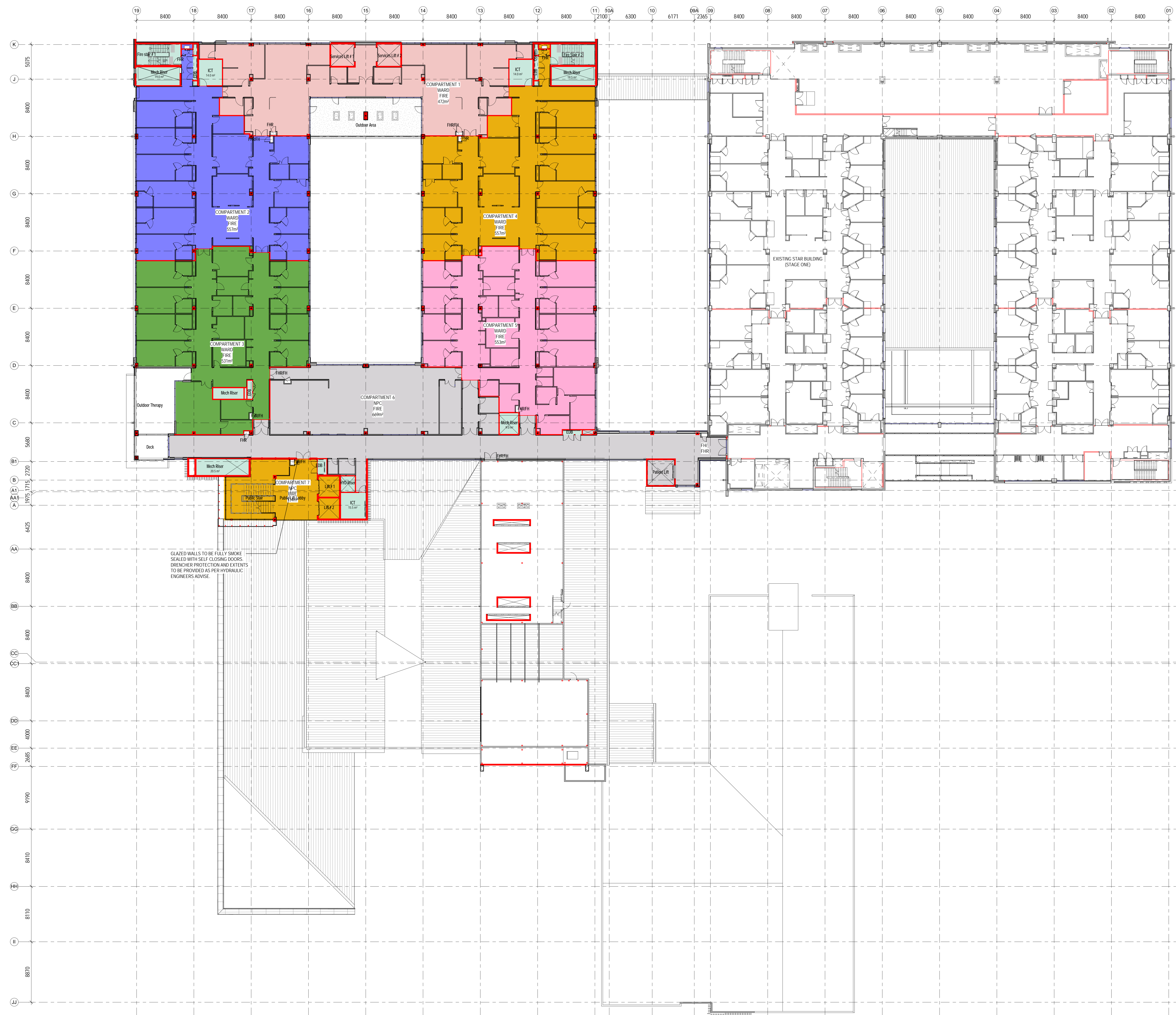
Palmerston Road
HORNSBY NSW 2077

DRAWING TITLE

LEVEL 2 COMPARTMENT PLAN

SCALE	DATE	DRAWN BY	CHECKED
As indicated @ A0	20/04/18	GS	NP

PROJECT No: 10390 ARC-DNG-27-201 10



GLAZED WALLS TO BE FULLY SMOKE SEALED WITH SELF-CLOSING DOORS. DRENCHER PROTECTION AND EXTENTS TO BE PROVIDED AS PER HYDRAULIC ENGINEERS' ADVISE.

KEY PLAN

REV	DESCRIPTION	DRN	DATE
1	Compartments amended to match layout adjustments	NT	20.08.17
2	Fire Compartments updated	NT	21.08.17
3	Gate and Compartment drawings updated	NT	21.08.17
4	Issue for TENDER	NT	15.09.17
5	Issue for Review	NT	28.09.17
6	Document number and file name updated	GS	20.04.2018
7	GENERAL REVISIONS FOR REVIEW	MS	20.04.2018
8	ISSUED FOR CROWN CERTIFICATE	MS	22.06.2018
9	FOR CONSTRUCTION	MS	27.06.2018

NOTE ALL 2 HOUR FIRE RATING IS INDICATED IN RED

2HR FIRE WALL LINE

FIRE WALL LEGEND

- LIGHTWEIGHT FIRE WALL
2x13mm FVRO-CK
10mm STEEL STUD
2x13mm FVRO-CK
- CONCRETE FIRE WALL
MIN. 200mm CONCRETE WALL
REFERS TO PARTITION PLAN AND SCHEDULE FOR WALL THICKNESS
- MASONRY FIRE WALL
MIN. 190mm REINFORCED BLOCK WALL

FOR PARTITION DETAILS REFER TO SHEET ARC-DNG-24-001

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ISSUED FOR INFORMATION

ARCHITECTS

ABN: 75 561 249 027
3 GLENHARBOUR GLENHARBOUR VICTORIA 3146
PH: (03) 9485 2333 FAX: (03) 9485 2405

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PROJECT

HORNSBY KU-RING-GAI HOSPITAL STAGE 2

Palmerston Road
HORNSBY NSW 2077

DRAWING TITLE

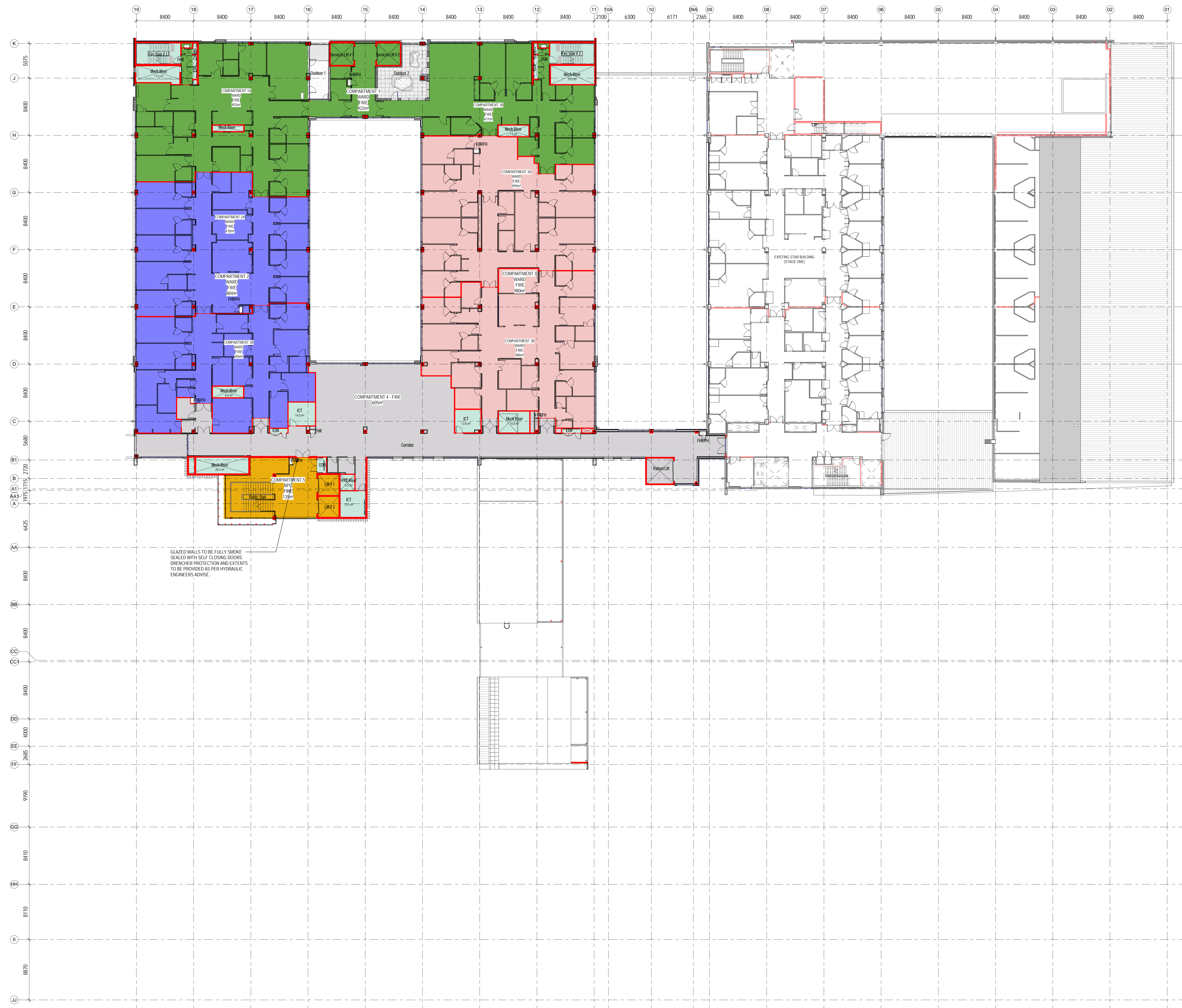
LEVEL 3 COMPARTMENT PLAN

SCALE	DATE	DRAWN BY	CHECKED
As indicated @ A0	20/04/18	GS	NP

PROJECT No: 10390 ARC-DNG-27-301

DRAWING No: 10

REVISION



GLAZED WALLS TO BE FULLY SMOKE
SEALED WITH SELF CLOSING DOORS.
DRENCHER PROTECTION AND EXTENTS
TO BE PROVIDED AS PER HYDRAULIC
ENGINEERS ADVISE.

KEY PLAN

REV	DESCRIPTION	DATE
1	Final Compartment updated	15.08.17
2	Site and Compartment drawings updated	15.08.17
3	Issue for Tender	15.08.17
4	Issue for Tender	15.08.17
5	Document number and file block updated	20.04.2018
6	GENERAL REVISIONS FOR REVIEW	06.06.2018
7	FIRE COMPARTMENTS IDENTIFIED	21.06.2018
10	ISSUED FOR CROWN CERTIFICATE	22.06.2018
11	FOR CONSTRUCTION	27.06.2018

NOTE ALL 2 HOUR FIRE RATING IS
INDICATED IN RED

2HR FIRE WALL LINE

FIRE WALL LEGEND

- LIGHTWEIGHT FIRE WALL
-243mm FVRC/EK
-20mm STEEL STUD
-213mm FVRC/EK
- CONCRETE FIRE WALL
MIN. 200mm CONCRETE WALL
REF TO PARTITION PLAN AND
SCHEDULE FOR WALL THICKNESS
- MASONRY FIRE WALL
MIN. 190mm REINFORCED BLOCK WALL

FOR PARTITION DETAILS REFER TO SHEET ARC-DNG-24-01

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FIXTURES, FITTINGS & EQUIPMENT SPECIFICATIONS
SUBSTITUTE FIRE EQUIPMENT SPECIFICATIONS
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ISSUED FOR INFORMATION

ARCHITECTS

ABN: 75 561 249 027
3 GLENHARRISON GLENHARRISON, SYDNEY NSW 1510
PH: (02) 9661 2333 FAX: (02) 9661 2405

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CLIENT

PROJECT

**HORNSBY KU-RING-GAI
HOSPITAL STAGE 2**

Palmerston Road
HORNSBY NSW 2077

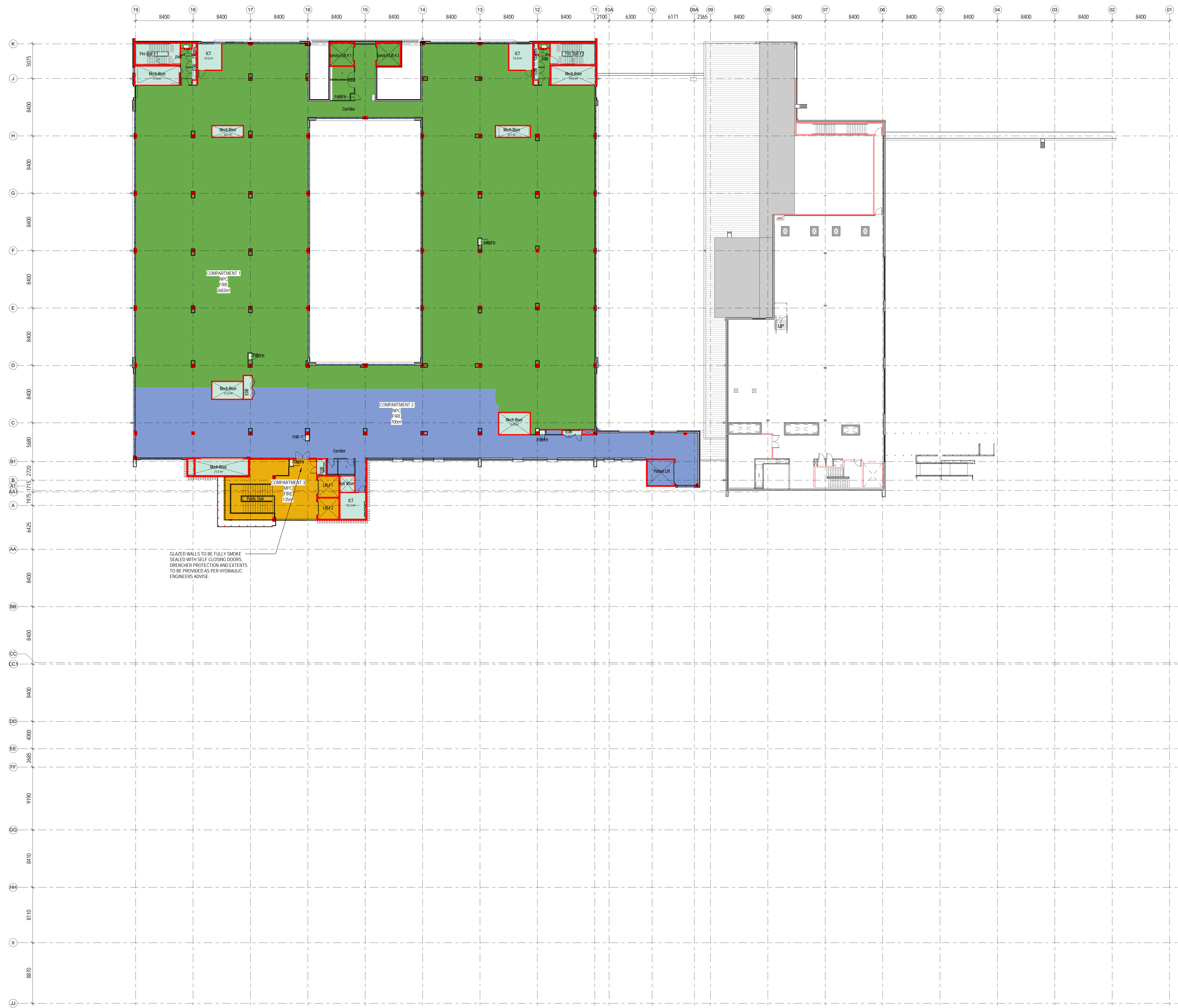
DRAWING TITLE

**LEVEL 4
COMPARTMENT PLAN**

SCALE	DATE	DRAWN BY	CHECKED
As indicated @ A0	20/04/18	GS	NP

PROJECT No: _____ DRAWING No: _____ REVISION: _____

10390 ARC-DNG-27-401 **11**



GLAZED WALLS TO BE FULLY SMOKE SEALED WITH SELF CLOSING DOORS. DRENCHER PROTECTION AND EXTENTS TO BE PROVIDED AS PER HYDRAULIC ENGINEER'S ADVICE.

KEY PLAN

REV	DESCRIPTION	DRN	DATE
1	Compartments amended to match layout adjustments	NT	20.08.17
2	Fire Compartments updated	NT	21.08.17
3	Gate and Compartment drawings updated	NT	21.08.17
4	Issue for TENDER	NT	15.09.17
5	Issue for Tender	NT	28.09.17
6	Document number and file name updated	GS	20.04.2018
7	GENERAL REVISIONS FOR REVIEW	MR	20.06.2018
8	ISSUED FOR CROWN CERTIFICATE	MS	22.06.2018
9	FOR CONSTRUCTION	MS	27.06.2018

NOTE ALL 2 HOUR FIRE RATING IS INDICATED IN RED

2HR FIRE WALL LINE

FIRE WALL LEGEND

- LIGHTWEIGHT FIRE WALL
 - 213mm F YRCEK
 - 30mm STEEL STUD
 - 213mm F YRCEK
- CONCRETE FIRE WALL
 - MIN. 200mm CONCRETE WALL
 - REFER TO PARTITION PLAN AND SCHEDULE F FOR WALL THICKNESS
- MASONRY FIRE WALL
 - MIN. 190mm REINFORCED BLOCK WALL

FOR PARTITION DETAILS REFER TO SHEET ARC-DNG-24-001

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FIXTURES, FITTINGS & EQUIPMENT SPECIFICATIONS
SUBSTITUTE FIRE EQUIPMENT SPECIFICATIONS
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ISSUED FOR INFORMATION

ARCHITECTS

ABN: 75 561 249 027
3 GLENHARRISON ROAD, SYDNEY NSW 1510
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PROJECT

HORNBY KU-RING-GAI HOSPITAL STAGE 2

Palmerston Road
HORNBY NSW 2077

DRAWING TITLE

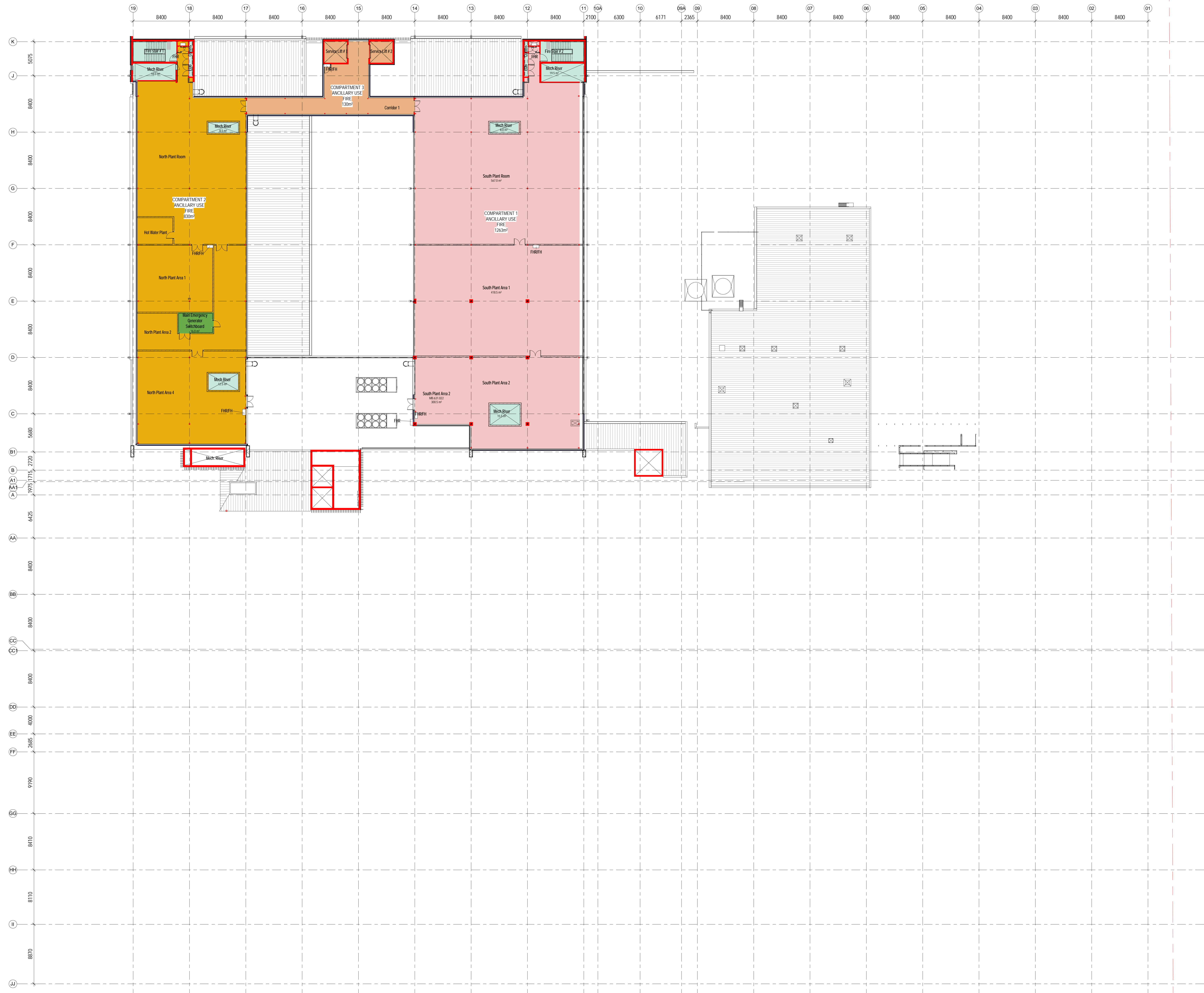
LEVEL 5 COMPARTMENT PLAN

SCALE DATE DRAWN BY CHECKED

As 20/04/18 GS NP

PROJECT No: DRAWING No: REVISION

10390 ARC-DNG-27-501 **10**



KEY PLAN

REV	DESCRIPTION	DRN	DATE
1	Compartments amended to match layout adjustments	NT	20.08.17
2	Fire Compartments updated	NT	31.08.17
3	Gate and Compartment drawings updated	NT	20.08.17
4	Issue for TENDER	NT	15.09.17
5	Issue for Tender	NT	28.09.17
7	Document number and file name updated	GS	20.04.2018
8	GENERAL REVISIONS FOR REVIEW	MR	20.04.2018
9	ISSUED FOR CROWN CERTIFICATE	MS	22.06.2018
10	POST CONSTRUCTION	MS	27.06.2018

NOTE: ALL 2 HOUR FIRE RATING IS INDICATED IN RED

2HR FIRE WALL LINE

FIRE WALL LEGEND

- LIGHTWEIGHT FIRE WALL
2x13mm PYROCEK
2x25mm STEEL STUD
2x13mm PYROCEK
- CONCRETE FIRE WALL
MIN 200mm CONCRETE WALL
REFER TO PARTITION PLAN AND SCHEDULE FOR WALL THICKNESS
- MAGNESIUM FIRE WALL
MIN 190mm REINFORCED BLOCK WALL

FOR PARTITION DETAILS REFER TO SHEET ARC-DNG-24-001

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DIMENSIONS

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FIXTURES, FITTINGS & EQUIPMENT SPECIFICATIONS

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ARCHITECTS

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Health Infrastructure

PROJECT

HORNSBY KU-RING-GAI HOSPITAL STAGE 2

Palmerston Road
HORNSBY NSW 2077

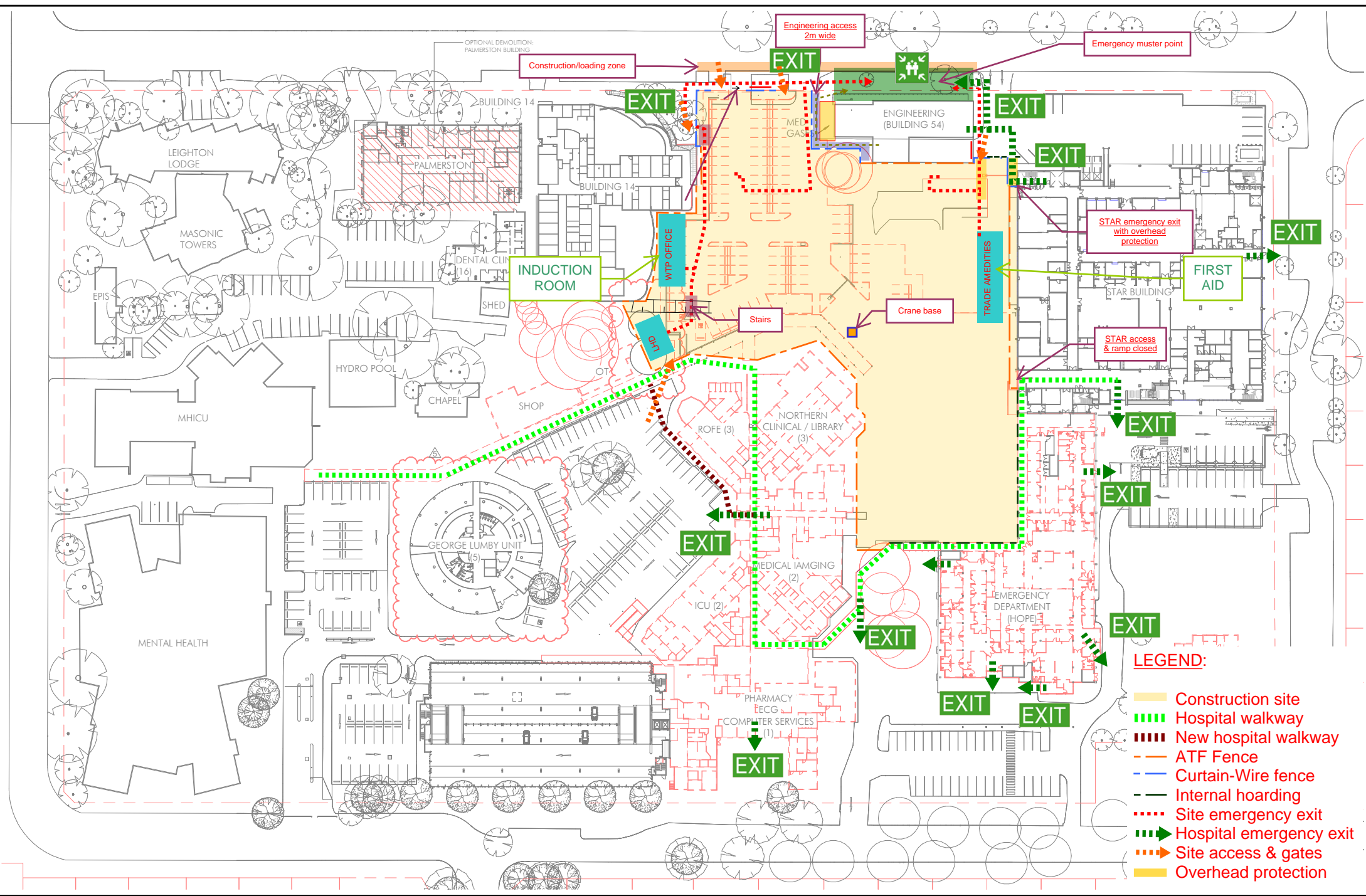
DRAWING TITLE

LEVEL 6 COMPARTMENT PLAN

SCALE	DATE	DRAWN BY	CHECKED
As indicated @ A0	20/04/18	GS	NP

PROJECT No: _____ DRAWING No: _____ REVISION: _____

10390 ARC-DNG-27-601 10





28th June 2018

Crown Certifier
Blackett Maguire + Goldsmith Pty Ltd
PO Box 167
BROADWAY NSW 2007

Dear Sir,

RE: HORNSBY KU-RING-GAI HOSPITAL REDEVELOPMENT – STAGE 2 & MEDICAL IMAGING

CERTIFICATE OF DESIGN – ARCHITECTURAL

SUBJECT PREMISES: PALMERSTON ROAD, HORNSBY

Pursuant to the provisions of **Clause A2.2 of the Building Code of Australia**, I hereby certify that the above design is in accordance with normal engineering practice and meets the requirements of the Building Code of Australia, the relevant fire safety engineering report, the Environmental Planning and Assessment Regulation, relevant Australian Standards and relevant conditions of the Planning Consent/ REF. In particular the design is in accordance with the following:

- *BCA Assessment Report, dated 03.10.17, Revision 2*
- *Development Consent (SSD 8647), dated 30.05.18*
- *Assessment of Review of Environmental Factors (REF037/2017), dated 12.12.17*
- *Note: no primary building elements are proposed to be constructed of timber*

I am an appropriately qualified and competent person in this area being listed as a registered architect in the State of New South Wales and as such can certify that the design and performance of the design systems comply with the above and which are detailed on the following drawings.

DOCUMENT NO	TITLE	REVISION	REVISION DATE
ARC-DNG-10-001	SITE PLAN	6	22/06/2018
ARC-DNG-12-102	DEMOLITION PLAN - SITE	5	22/06/2018
ARC-DNG-21-001	LEVEL 0 - CONCRETE PLAN - MORTUARY & PHARMACY	3	27/06/2018
ARC-DNG-21-101	LEVEL 1 - CONCRETE PLAN - ACC & MAU	3	27/06/2018

**LEVEL 4, 89 YORK ST
SYDNEY NSW 2000
AUSTRALIA**

T | +61 (2) 8299 4600
F | +61 (2) 8299 4646
E | sth@sthsydney.com.au

**SILVER THOMAS HANLEY
(AUS) PTY LTD**
ABN 21 134 476 065

STH.COM.AU



ARC-DNG-21-102	LEVEL 1 - CONCRETE PLAN - MAIN ENTRY	3	27/06/2018
ARC-DNG-21-103	LEVEL 1 - CONCRETE PLAN - EMERGENCY DEPT	3	27/06/2018
ARC-DNG-27-001	LEVEL 0 - COMPARTMENT PLAN	12	27/06/2018
ARC-DNG-27-101	LEVEL 1 - COMPARTMENT PLAN	12	27/06/2018
ARC-DNG-27-201	LEVEL 2 - COMPARTMENT PLAN	10	27/06/2018
ARC-DNG-27-301	LEVEL 3 - COMPARTMENT PLAN	10	22/06/2018
ARC-DNG-27-401	LEVEL 4 - COMPARTMENT PLAN	11	27/06/2018
ARC-DNG-27-501	LEVEL 5 - COMPARTMENT PLAN	10	27/06/2018
ARC-DNG-27-601	LEVEL 6 - COMPARTMENT PLAN	10	27/06/2018

I possess Indemnity Insurance to the satisfaction of the building owner or my principal.

Full Name of Designer: Natalie Pitt
Qualifications: Reg. Arch. NSW ARB Reg. No.9490 ARBV Reg. No.15510
Address of Designer: Level 4, 89 York Street, Sydney, NSW 2000
Business Telephone No: 02 8299 4600
Email: natalie@sth.com.au
Name of Employer: Silver Thomas Hanley (Aus) Pty

Yours faithfully,

Natalie Pitt
Director

28 June 2018

161607

Principal Certifying Authority
Blackett Maguire + Goldsmith Pty Ltd
PO Box 167
Broadway NSW 2007

HORNSBY KU-RING-GAI HOSPITAL STAGE 2 AND MEDICAL IMAGING

Certificate of Design – Structural Works Up to Level 1

Dear Sir,

Pursuant to the provisions of **Clause A2.2 of the Building Code of Australia**, I hereby certify that the structural design as represented by the structural drawings listed on the attached is in accordance with normal engineering practice and meets the requirements of the relevant structural clauses of the Building Code of Australia, relevant structural Australian Standards and relevant structural conditions of the SSD Application No. 8647 and REF Approval No. 037/2017. In particular the structural design is in accordance with the following:

- BCA – Spec A2.3 2(d)(ii), Section B1.0(a), Spec C1.1 (2.5(c), 3.4, 3.5, 3.7)**
- AS1170.0 – 2002 : Structural design actions – General principles**
- AS1170.1 – 2002 : Structural design actions – Permanent, imposed and other actions**
- AS1170.2 – 2011 : Structural design actions – Wind actions**
- AS1170.4 – 2007 : Structural design actions – Earthquake actions in Australia**
- AS3600 – 2009 : Concrete Structures**
- AS4100 – 1998 : Steel Structures**
- Douglas Partners geotechnical investigation report 73224.06 Rev 2 dated August 2014**
- AECOM Fire Engineering Report Revision C (Draft dated 22/6/2018)**

I am an appropriately qualified and competent person in this area being listed in the National Engineering Register (NER), and as such can certify that the design of the structural works complies with the above and which are detailed on the drawings shown on the attached list. Excluded from this certificate is the piling, shoring and post tensioned slab designs being carried out by the D&C contractors.

Taylor Thomson Whitting (NSW) Pty Ltd possess Indemnity Insurance to the satisfaction of our principal.

Full Name of Designer: Darren Jeffree

Qualifications: BE, MIE Aust, CPEng NER 707823

Address of Designer: 48 Chandos Street, St Leonards NSW 2065

Business Telephone No: (02) 9439 7288

Email: darren.jeffree@ttw.com.au

Name of Employer: Taylor Thomson Whitting (NSW) Pty Ltd

For and on behalf of

TAYLOR THOMSON WHITTING (NSW) PTY LTD

DARREN JEFFREE

Technical Director

Structural Drawing List - Construction Certificate - Structural Works Up to Level 1
TTW Job Number 161607

Document No	Title	Revision	Status	Revision Date	Type
STR-DNG-00-900	COVER SHEET	A	For Construction	28/06/2018	Drawing
STR-DNG-00-901	GENERAL NOTES SHEET	A	For Construction	28/06/2018	Drawing
STR-DNG-10-901	FOOTING PLAN - AREA 1	A	For Construction	28/06/2018	Drawing
STR-DNG-10-902	FOOTING PLAN - AREA 2	A	For Construction	28/06/2018	Drawing
STR-DNG-10-903	FOOTING PLAN - AREA 3	A	For Construction	28/06/2018	Drawing
STR-DNG-10-911	SHORING WALL ELEVATIONS	A	For Construction	28/06/2018	Drawing
STR-DNG-10-912	SHORING DETAILS	A	For Construction	28/06/2018	Drawing
STR-DNG-10-921	FOOTING DETAILS - SHEET 1	A	For Construction	28/06/2018	Drawing
STR-DNG-10-922	FOOTING DETAILS - SHEET 2	A	For Construction	28/06/2018	Drawing
STR-DNG-10-923	FOOTING DETAILS - SHEET 3	A	For Construction	28/06/2018	Drawing
STR-DNG-10-924	FOOTING DETAILS - SHEET 4	A	For Construction	28/06/2018	Drawing
STR-DNG-20-901	COLUMN SCHEDULE	A	For Construction	28/06/2018	Drawing
STR-DNG-20-902	COLUMN DETAILS	A	For Construction	28/06/2018	Drawing
STR-DNG-30-901	TYPICAL WALL DETAILS - SHEET 1	A	For Construction	28/06/2018	Drawing
STR-DNG-30-902	TYPICAL WALL DETAILS - SHEET 2	A	For Construction	28/06/2018	Drawing
STR-DNG-30-911	WALL ELEVATIONS - SHEET 1	A	For Construction	28/06/2018	Drawing
STR-DNG-30-912	WALL ELEVATIONS - SHEET 2	A	For Construction	28/06/2018	Drawing
STR-DNG-30-913	WALL ELEVATIONS - SHEET 3	A	For Construction	28/06/2018	Drawing
STR-DNG-30-914	WALL ELEVATIONS - SHEET 4	A	For Construction	28/06/2018	Drawing
STR-DNG-30-915	WALL ELEVATIONS - SHEET 5	A	For Construction	28/06/2018	Drawing
STR-DNG-30-916	WALL ELEVATIONS - SHEET 6	A	For Construction	28/06/2018	Drawing
STR-DNG-40-901	STAIR KEY ELEVATIONS & DETAILS	A	For Construction	28/06/2018	Drawing
STR-DNG-50-001	LEVEL 0 - OUTLINE PLAN	A	For Construction	28/06/2018	Drawing
STR-DNG-50-101	LEVEL 1 - AREA 1 - OUTLINE PLAN	A	For Construction	28/06/2018	Drawing
STR-DNG-50-102	LEVEL 1 - AREA 2 - OUTLINE PLAN	A	For Construction	28/06/2018	Drawing
STR-DNG-50-103	LEVEL 1 - AREA 3 - OUTLINE PLAN	A	For Construction	28/06/2018	Drawing
STR-DNG-50-111	LEVEL 1 - AREA 1 - BOTTOM REINFORCEMENT PLAN	A	For Construction	28/06/2018	Drawing
STR-DNG-50-112	LEVEL 1 - AREA 2 - BOTTOM REINFORCEMENT PLAN	A	For Construction	28/06/2018	Drawing
STR-DNG-50-113	LEVEL 1 - AREA 3 - BOTTOM REINFORCEMENT PLAN	A	For Construction	28/06/2018	Drawing
STR-DNG-50-121	LEVEL 1 - AREA 1 - TOP REINFORCEMENT PLAN	A	For Construction	28/06/2018	Drawing
STR-DNG-50-122	LEVEL 1 - AREA 2 - TOP REINFORCEMENT PLAN	A	For Construction	28/06/2018	Drawing
STR-DNG-50-123	LEVEL 1 - AREA 3 - TOP REINFORCEMENT PLAN	A	For Construction	28/06/2018	Drawing
STR-DNG-70-101	LEVEL 1 BEAM ELEVATIONS	A	For Construction	29/06/2018	Drawing
STR-DNG-90-901	LOADING DIAGRAMS - SHEET 1	A	For Construction	28/06/2018	Drawing
STR-BRF-00-901	STRUCTURAL PERFORMANCE BRIEF FOR SUSPENDED FLOOR SLABS	C	For Construction	28/06/2018	Brief
STR-SPC-00-901	STRUCTURAL SPECIFICATION - SECTION A - PILING	C	For Construction	28/06/2018	Specification
STR-SPC-00-902	STRUCTURAL SPECIFICATION - SECTION B - CONCRETE	C	For Construction	28/06/2018	Specification

28 June 2018

Principal Certifying Authority
Blackett Maguire + Goldsmith Pty Ltd
PO Box 167
Broadway NSW 2007

Structural
Civil
Traffic
Facade
161607

HORNSBY KU-RING-GAI HOSPITAL – STAGE 2 and Medical Imaging: Palmerston Road, Hornsby

REF Approval No. 037/2017 (Approval dated 12/12/17) / SSD Application No. 8647 (Approval dated 30/05/18)

Certificate of Design – Stormwater Design

Dear Sir,

Pursuant to the provisions of **Clause A2.2 of the Building Code of Australia**, I hereby certify that the stormwater design as represented by the civil drawings listed below is in accordance with normal engineering practice and meets the requirements of the relevant stormwater clauses of the Building Code of Australia, relevant Australian Standards and relevant stormwater conditions of the Planning Consent/REF. In particular the stormwater design is in accordance with the following:

- | | |
|-------------------------|--------------------------------------------|
| AS 3500.3 – 2007 | National Plumbing and Drainage Code |
| AS 3725 – 2007 | Loads on Buried Concrete Pipes |
| | Australian Rainfall and Runoff 2016 |
| | Hornsby Development Control Plan |

Yours faithfully
TAYLOR THOMSON WHITTING (NSW) PTY LTD



Paul Yannoulatos
Chartered Civil Engineer
CPEng #: 849320

Drawing list:

Drawing Title	Drawing #	Revision
NOTES AND LEGENDS SHEET	CIV-DNG-00-901	A
SITE WORKS PLAN SHEET 1	CIV-DNG-20-901	A
SITE WORKS PLAN SHEET 2	CIV-DNG-20-902	A
SITE WORKS PLAN SHEET 3	CIV-DNG-20-903	A
SITE WORKS PLAN SHEET 4	CIV-DNG-20-904	A
DETAILS SHEET 1	CIV-DNG-30-901	A
DETAILS SHEET 2	CIV-DNG-30-902	A
SECTIONS SHEET 2	CIV-DNG-40-901	A
OSD TANK DETAILS SHEET	CIV-DNG-60-901	A



Suite 6.02, Level 6, 89 York Street, Sydney NSW 2000
P.O. Box 6437 Alexandria NSW 2015

ABN: 24 917 388 129

ACN: 150 234 870

T: 02 9262 3400

F: 02 9262 3422

INSYNC SERVICES P T Y L T D

Thursday, June 21, 2018

Crown Certifier
Blackett Maguire + Goldsmith Pty Ltd
PO Box 167
Broadway NSW 2007

Attn: Mr. Brian Maguire

Re: Certificate of Design – Hydraulic Services

Project: Hornsby Ku-ring-gai Hospital Redevelopment - Stage 2 and Medical Imaging

Address: Palmerston Road, Hornsby

**Planning Approval: REF Approval No. 037/2017 (Approval dated 12/12/17)
SSD Application No. 8647 (Approval dated 30/05/18)**

Pursuant to the provisions of **Clause A2.2 of the Building Code of Australia**, I hereby certify that the above design is in accordance with normal engineering practice and meets the requirements of the Building Code of Australia, the relevant fire safety engineering report, the Environmental Planning and Assessment Regulation, relevant Australian Standards and relevant conditions of the Planning Consent/ REF. In particular the design is in accordance with the following:

- National Construction Code –Volume 1 – Building Code of Australia Class 2 to Class 9 Buildings (2016 Amendment 1)
- National Construction Code Volume 3 – Plumbing Code of Australia (2016)
- A.S. 3500.1 – Water Services (2015)
- A.S. 3500.2 – Sanitary Plumbing and Drainage (2015)
- A.S.3500.3 – Storm Water Drainage (2015)
- A.S.3500.4 – Heated Water Services (2015)
- A.S. 2419.1 – Fire Hydrant Installations (2005)
- A.S.2441 – Installation of Fire Hose Reels (2005 Amendment 1)

I am an appropriately qualified and competent person in this area being a full and corporate member of the Association of Hydraulic Services Consultants Australia, and as such can certify that the design and performance of the design systems comply with the above and which are detailed on the following drawings:

Drawing Number	Scale	Drawing Title
HYD-SDG-00-900	N.T.S.	Cover Sheet, Notes and Legend
HYD-SDG-00-901	1:500	Site Plan
HYD-SDG-10-001	1:100	Level 0 Area 1 Inground Sanitary and Stormwater Drainage Plan



HYD-SDG-10-101	1:100	Level 1 Area 1 Inground Sanitary and Stormwater Drainage Plan
HYD-SDG-10-102	1:100	Level 1 Area 2 Inground Sanitary and Stormwater Drainage Plan
HYD-SDG-10-103	1:100	Level 1 Area 3 Inground Sanitary and Stormwater Drainage Plan
HYD-SDG-10-111	1:100	Level 1 Area 1 Sanitary and Stormwater Drainage Plan
HYD-SDG-10-112	1:100	Level 1 Area 2 Sanitary and Stormwater Drainage Plan
HYD-SDG-10-113	1:100	Level 1 Area 3 Sanitary and Stormwater Drainage Plan
HYD-SDG-10-201	1:100	Level 2 Area 1 Sanitary and Stormwater Drainage Plan
HYD-SDG-10-202	1:100	Level 2 Area 2 Sanitary and Stormwater Drainage Plan
HYD-SDG-10-203	1:100	Level 2 Area 3 Sanitary and Stormwater Drainage Plan
HYD-SDG-10-301	1:100	Level 3 Area 1 Sanitary and Stormwater Drainage Plan
HYD-SDG-10-302	1:100	Level 3 Area 2 Sanitary and Stormwater Drainage Plan
HYD-SDG-10-401	1:100	Level 4 Area 1 Sanitary and Stormwater Drainage Plan
HYD-SDG-10-402	1:100	Level 4 Area 2 Sanitary and Stormwater Drainage Plan
HYD-SDG-10-501	1:100	Level 5 Area 1 Sanitary and Stormwater Drainage Plan
HYD-SDG-10-601	1:100	Level 6 Area 1 Sanitary and Stormwater Drainage Plan
HYD-SDG-10-701	1:100	Level 7 (Roof) Area 1 Sanitary and Stormwater Drainage Plan
HYD-SDG-20-001	1:100	Level 0 Area 1 Water and Gas Services Plan
HYD-SDG-20-101	1:100	Level 1 Area 1 Water and Gas Services Plan
HYD-SDG-20-102	1:100	Level 1 Area 2 Water and Gas Services Plan
HYD-SDG-20-103	1:100	Level 1 Area 3 Water and Gas Services Plan
HYD-SDG-20-201	1:100	Level 2 Area 1 Water and Gas Services Plan
HYD-SDG-20-202	1:100	Level 2 Area 2 Water and Gas Services Plan
HYD-SDG-20-203	1:100	Level 2 Area 3 Water and Gas Services Plan
HYD-SDG-20-301	1:100	Level 3 Area 1 Water and Gas Services Plan
HYD-SDG-20-302	1:100	Level 3 Area 2 Water and Gas Services Plan
HYD-SDG-20-401	1:100	Level 4 Area 1 Water and Gas Services Plan
HYD-SDG-20-501	1:100	Level 5 Area 1 Water and Gas Services Plan
HYD-SDG-20-601	1:100	Level 6 Area 1 Water and Gas Services Plan
HYD-SDG-30-901	N.T.S.	Sewer Schematic - Sheet 1
HYD-SDG-30-902	N.T.S.	Sewer Schematic - Sheet 2
HYD-SDG-30-903	N.T.S.	Sewer Schematic - Sheet 3
HYD-SDG-30-904	N.T.S.	Sewer Schematic - Sheet 4
HYD-SDG-30-905	N.T.S.	Sewer Schematic - Sheet 5
HYD-SDG-30-906	N.T.S.	Sewer Schematic - Sheet 6
HYD-SDG-30-911	N.T.S.	Stormwater Schematic - Sheet 1
HYD-SDG-30-912	N.T.S.	Stormwater Schematic - Sheet 2
HYD-SDG-30-921	N.T.S.	Cold Water Schematic - Sheet 1
HYD-SDG-30-922	N.T.S.	Cold Water Schematic - Sheet 2
HYD-SDG-30-931	N.T.S.	Hot Water Schematic - Sheet 1
HYD-SDG-30-932	N.T.S.	Hot Water Schematic - Sheet 2
HYD-SDG-30-941	N.T.S.	Gas Schematic
HYD-SDG-30-951	N.T.S.	Fire Hydrant Schematic
HYD-SDG-40-901	As Noted	Hydraulic Details - Sheet 1

I possess Indemnity Insurance to the satisfaction of the building owner or my principal.

Full Name of Designer: Brett Lipscombe

Qualifications: Plumbing Trade Certificate
Associate Diploma in Engineering (Plumbing Services)
Graduate Diploma in Design Science (Building Services)
Full Member AHSCA (No. 2102)

Address of Designer: Level 6, 89 York Street, Sydney NSW 2000

Business Telephone No: 9262 3400

Email: brettl@insyncservices.com.au

Name of Employer: Insync Services Pty Ltd ATF The Insync Services Trust

Signature:



Brett Lipscombe
Director



ELECTRICAL DESIGN CERTIFICATE

15 June 2018

Principal Certifying Authority
Blackett Maguire + Goldsmith Pty
Ltd PO Box 167
BROADWAY NSW 2007

Dear Sir,

**Re: *Hornsby Ku-Ring-Gai Hospital Redevelopment - Stage 2 and Medical Imaging*
CERTIFICATE OF DESIGN – Electrical**

SUBJECT PREMISES Palmerston Road, Hornsby New South Wales 2077

**DEVELOPMENT APPLICATION REF 037/2017 (12/12/17) and SSD Application
number 8647 (30/05/18)**

Pursuant to the provisions of **Clause A2.2 of the Building Code of Australia**, I hereby certify that the above design is in accordance with normal engineering practice and meets the requirements of the Building Code of Australia, any relevant fire safety engineering report, the Environmental Planning and Assessment Regulation, relevant Australian Standards and relevant conditions of the Development Consent. In particular the design is in accordance with the following:

- The relevant clauses of the Building Code of Australia 2016 including BCA 2016 Section J, Section E1.3, and Section E1.4
- Fire engineering Report (FER) 60522184-FRFE-0001_B (15 Sep-2017)
- The referenced Australian Standards listed in the Building Code of Australia (Specification A1.3) as follows:

Standard	Description (Electrical)
AS 3000 :2007 V2	Wiring rules
AS 1680	Interior Lighting
AS 3003	Electrical Installation – Patient treatment areas of hospitals and medical, dental practices and Dialyzing locations
AS 3009	Electrical Installations – Emergency power supplies in hospitals

To us, it's more than just work

Level 6, Building B, 207 Pacific Highway, St Leonards NSW 2065
Phone +61 2 8484 7000 Fax +61 2 8484 7100 Email sydney@wge.com.au www.wge.com.au
Wood & Grieve Engineers Limited ACN 137 999 609 trading as Wood & Grieve Engineers ABN 97 137 999 609
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DOCUMENT: C:\USERS\STEVEN.BRIMS\DOCUMENTS\HORNSBY\DESIGN CERTS\PRO FORMA - DESIGN STATEMENT (CROWN) WGE FILLED OUT.DOCX (58)

Page 1 of 5



ELECTRICAL DESIGN CERTIFICATE

I am an appropriately qualified and competent person in this area and as such can certify that the design and performance of the design systems comply with the above and which are detailed on the following drawings.

Drawing Number	Revision	Date
2-Cable Trays		
EL-SDG-S2-2000	A	TBC
EL-SDG-S2-2001	A	TBC
EL-SDG-S2-2100	A	TBC
EL-SDG-S2-2101	A	TBC
EL-SDG-S2-2102	A	TBC
EL-SDG-S2-2103	A	TBC
EL-SDG-S2-2104	A	TBC
EL-SDG-S2-2111	A	TBC
EL-SDG-S2-2112	A	TBC
EL-SDG-S2-2113	A	TBC
EL-SDG-S2-2200	A	TBC
EL-SDG-S2-2201	A	TBC
EL-SDG-S2-2202	A	TBC
EL-SDG-S2-2203	A	TBC
EL-SDG-S2-2211	A	TBC
EL-SDG-S2-2212	A	TBC
EL-SDG-S2-2213	A	TBC
EL-SDG-S2-2300	A	TBC
EL-SDG-S2-2301	A	TBC
EL-SDG-S2-2302	A	TBC
EL-SDG-S2-2311	A	TBC
EL-SDG-S2-2312	A	TBC
EL-SDG-S2-2400	A	TBC
EL-SDG-S2-2401	A	TBC
EL-SDG-S2-2411	A	TBC
EL-SDG-S2-2500	A	TBC

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Level 6, Building B, 207 Pacific Highway, St Leonards NSW 2065
 Phone +61 2 8484 7000 Fax +61 2 8484 7100 Email sydney@wge.com.au www.wge.com.au
 Wood & Grieve Engineers Limited ACN 137 999 609 trading as Wood & Grieve Engineers ABN 97 137 999 609
 Albany • Brisbane • Busselton • Melbourne • Perth • Sydney

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EL-SDG-S2-2501	A	TBC
EL-SDG-S2-2511	A	TBC
EL-SDG-S2-2600	A	TBC
EL-SDG-S2-2601	A	TBC
EL-SDG-S2-2611	A	TBC
3-Lighting Layouts		
EL-SDG-S2-3000	A	TBC
EL-SDG-S2-3101	A	TBC
EL-SDG-S2-3102	A	TBC
EL-SDG-S2-3103	A	TBC
EL-SDG-S2-3104	A	TBC
EL-SDG-S2-3201	A	TBC
EL-SDG-S2-3202	A	TBC
EL-SDG-S2-3203	A	TBC
EL-SDG-S2-3301	A	TBC
EL-SDG-S2-3302	A	TBC
EL-SDG-S2-3401	A	TBC
EL-SDG-S2-3501	A	TBC
EL-SDG-S2-3601	A	TBC
4-Power Layouts		
EL-SDG-S2-4000	A	TBC
EL-SDG-S2-4101	A	TBC
EL-SDG-S2-4102	A	TBC
EL-SDG-S2-4103	A	TBC
EL-SDG-S2-4104	A	TBC
EL-SDG-S2-4201	A	TBC
EL-SDG-S2-4202	A	TBC
EL-SDG-S2-4203	A	TBC
EL-SDG-S2-4301	A	TBC
EL-SDG-S2-4302	A	TBC
EL-SDG-S2-4401	A	TBC

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Level 6, Building B, 207 Pacific Highway, St Leonards NSW 2065
 Phone +61 2 8484 7000 Fax +61 2 8484 7100 Email sydney@wge.com.au www.wge.com.au
 Wood & Grieve Engineers Limited ACN 137 999 609 trading as Wood & Grieve Engineers ABN 97 137 999 609
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EL-SDG-S2-4501	A	TBC
EL-SDG-S2-4601	A	TBC
5-Access Control and Security Layouts		
EL-SDG-S2-5000	A	TBC
EL-SDG-S2-5101	A	TBC
EL-SDG-S2-5102	A	TBC
EL-SDG-S2-5103	A	TBC
EL-SDG-S2-5104	A	TBC
EL-SDG-S2-5201	A	TBC
EL-SDG-S2-5202	A	TBC
EL-SDG-S2-5203	A	TBC
EL-SDG-S2-5301	A	TBC
EL-SDG-S2-5302	A	TBC
EL-SDG-S2-5401	A	TBC
EL-SDG-S2-5501	A	TBC
EL-SDG-S2-5601	A	TBC
6-Assisted Call System layouts		
EL-SDG-S2-6000	A	TBC
EL-SDG-S2-6101	A	TBC
EL-SDG-S2-6102	A	TBC
EL-SDG-S2-6103	A	TBC
EL-SDG-S2-6104	A	TBC
EL-SDG-S2-6201	A	TBC
EL-SDG-S2-6202	A	TBC
EL-SDG-S2-6203	A	TBC
EL-SDG-S2-6301	A	TBC
EL-SDG-S2-6302	A	TBC
EL-SDG-S2-6401	A	TBC
EL-SDG-S2-6501	A	TBC
EL-SDG-S2-6601	A	TBC
7-Communication Layouts		

To us, it's more than just work

Level 6, Building B, 207 Pacific Highway, St Leonards NSW 2065
 Phone +61 2 8484 7000 Fax +61 2 8484 7100 Email sydney@wge.com.au www.wge.com.au
 Wood & Grieve Engineers Limited ACN 137 999 609 trading as Wood & Grieve Engineers ABN 97 137 999 609
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EL-SDG-S2-7000	A	TBC
EL-SDG-S2-7101	A	TBC
EL-SDG-S2-7102	A	TBC
EL-SDG-S2-7103	A	TBC
EL-SDG-S2-7104	A	TBC
EL-SDG-S2-7201	A	TBC
EL-SDG-S2-7202	A	TBC
EL-SDG-S2-7203	A	TBC
EL-SDG-S2-7301	A	TBC
EL-SDG-S2-7302	A	TBC
EL-SDG-S2-7401	A	TBC
EL-SDG-S2-7501	A	TBC
EL-SDG-S2-7601	A	TBC

I possess Indemnity Insurance to the satisfaction of the building owner or my principal.

Full Name of Designer: Steven Brims
Qualifications: Beng (Hons) Electronic and Electrical Engineering
Address of Designer: 6/207 Pacific Hwy, St Leonards NSW 2065
Business Telephone No: 02 8484 7000 **Email:** steven.brims@wge.com.au
Name of Employer: Wood & Grieve Engineers
Signature:



Yours faithfully,
STEVEN BRIMS

To us, it's more than just work

Level 6, Building B, 207 Pacific Highway, St Leonards NSW 2065
 Phone +61 2 8484 7000 Fax +61 2 8484 7100 Email sydney@wge.com.au www.wge.com.au
 Wood & Grieve Engineers Limited ACN 137 999 609 trading as Wood & Grieve Engineers ABN 97 137 999 609
 Albany • Brisbane • Busselton • Melbourne • Perth • Sydney

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16/06/2018

Principal Certifying Authority
Blackett Maguire + Goldsmith Pty Ltd PO
Box 167
BROADWAY NSW 2007

Dear Sir,

Re: Hornsby Ku-ring-gai Hospital Redevelopment - Stage 2 and Medical Imaging
Certificate Of Design - Mechanical

SUBJECT PREMISES: Palmerston Rd, Hornsby NSW 2077

DEVELOPMENT APPLICATION: REF Approval No. 037/2017 (Approval dated 12/12/17) / SSD Application
No. 8647 (Approval dated 30/05/18)

Pursuant to the provisions of **Clause A2.2 of the Building Code of Australia**, I hereby certify that the above design is in accordance with normal engineering practice and meets the requirements of the Building Code of Australia, any relevant fire safety engineering report, the Environmental Planning and Assessment Regulation, relevant Australian Standards and relevant conditions of the Development Consent. In particular the design is in accordance with the following:

- **BCA-2016 Part J5**
- **BCA-2016 Part F4.5**
- **AS1668.2-2012**
- **AS1668.1-2015**
- **AS 3666.2-2011**
- **STEENSEN VARMING – 14792 Energy Modelling Report S02 – Rev: B – 28/09/2017**
- **Fire Engineering Report- REVISION C – 22/06/2018**
- **Conditions B15 & B16 - Hornsby Ku-ring-gai Hospital Stage 2_ Consent - 30/05/2018**

I am an appropriately qualified and competent person in this area being listed Registered professional engineering of Queensland (RPEQ) and as such can certify that the design and performance of the design systems comply with the above and which are detailed on the following drawings.

<i>Drawing Number</i>	<i>Revision</i>	<i>Date</i>
MEC-MOD-00-900	1	30/05/2018
MEC-MOD-00-901	1	30/05/2018
MEC-SDG-00-902	1	30/05/2018
MEC-SDG-00-902	1	30/05/2018
MEC-SDG-00-902	1	30/05/2018
MEC-SDG-00-000	1	30/05/2018
MEC-SDG-00-001	1	30/05/2018
MEC-SDG-00-003	1	30/05/2018
MEC-SDG-00-004	1	30/05/2018
MEC-SDG-00-100	1	30/05/2018
MEC-SDG-00-101	1	30/05/2018
MEC-SDG-00-102	1	30/05/2018
MEC-SDG-00-103	1	30/05/2018
MEC-SDG-00-104	1	30/05/2018
MEC-SDG-00-105	1	30/05/2018
MEC-SDG-00-106	1	30/05/2018
MEC-SDG-00-107	1	30/05/2018
MEC-SDG-00-108	1	30/05/2018
MEC-SDG-00-109	1	30/05/2018
MEC-SDG-00-110	1	30/05/2018
MEC-SDG-00-200	1	30/05/2018
MEC-SDG-00-201	1	30/05/2018
MEC-SDG-00-202	1	30/05/2018
MEC-SDG-00-203	1	30/05/2018
MEC-SDG-00-204	1	30/05/2018
MEC-SDG-00-205	1	30/05/2018

MEC-SDG-00-206	1	30/05/2018
MEC-SDG-00-207	1	30/05/2018
MEC-SDG-00-209	1	30/05/2018
MEC-SDG-00-210	1	30/05/2018
MEC-SDG-00-300	1	30/05/2018
MEC-SDG-00-301	1	30/05/2018
MEC-SDG-00-302	1	30/05/2018
MEC-SDG-00-303	1	30/05/2018
MEC-SDG-00-304	1	30/05/2018
MEC-SDG-00-305	1	30/05/2018
MEC-SDG-00-306	1	30/05/2018
MEC-SDG-00-309	1	30/05/2018
MEC-SDG-00-310	1	30/05/2018
MEC-SDG-00-400	1	30/05/2018
MEC-SDG-00-401	1	30/05/2018
MEC-SDG-00-402	1	30/05/2018
MEC-SDG-00-403	1	30/05/2018
MEC-SDG-00-404	1	30/05/2018
MEC-SDG-00-405	1	30/05/2018
MEC-SDG-00-406	1	30/05/2018
MEC-SDG-00-500	1	30/05/2018
MEC-SDG-00-501	1	30/05/2018
MEC-SDG-00-502	1	30/05/2018
MEC-SDG-00-503	1	30/05/2018
MEC-SDG-00-504	1	30/05/2018
MEC-SDG-00-600	1	30/05/2018
MEC-SDG-00-601	1	30/05/2018
MEC-SDG-00-602	1	30/05/2018
MEC-SDG-00-603	1	30/05/2018
MEC-SDG-00-604	1	30/05/2018

I possess Indemnity Insurance to the satisfaction of the building owner or my principal.

Full Name of Designer: Peter Wise

Qualifications: B.Eng, RPEQ

ADDRESS OF DESIGNER: 1.21A Precinct 75, 75 Mary Street, St Peters 2044

Business Telephone No: 02 9071 9170

Email: pwise@dewpointgroup.com.au

Name of Employer: Dewpoint Group

Signature:



Yours faithfully,

Peter Wise
Design Manager



Compass Fire Solutions Pty Ltd

ABN 33 148 962 181

18/3 Hamley Rd
Mt Kuring-gai, NSW, 2080

Ph: (02) 9456 0788

Fax: (02) 9456 0789

PO Box 381
Berowra Heights, NSW, 2082

www.compassfire.com.au

19th June 2018

Principal Certifying Authority
Blackett Maguire + Goldsmith Pty Ltd
PO Box 167
BROADWAY NSW 2007

Dear Sir,

**Re: HORNSBY KURING-GAI HOSPITAL REDEVELOPMENT
STAGE 2 AND MEDICAL IMAGING
CERTIFICATE OF DESIGN – FIRE SERVICES**

**SUBJECT PREMISES PALMERSTON RD
HORNSBY, NSW, 2077**

**DEVELOPMENT CONSENT REF APPROVAL NO. 037/2017
SSD APPLICATION NO. 8647**

Pursuant to the provisions of **Clause A2.2 of the Building Code of Australia**, I hereby certify that the above design is in accordance with normal engineering practice and meets the requirements of the Building Code of Australia, any relevant fire safety engineering report, the Environmental Planning and Assessment Regulation, relevant Australian Standards and relevant conditions of the Development Consent. In particular the design is in accordance with the following:

Service	BCA / Australian Standard
1. <i>Fire Detection and Alarm Systems</i>	<i>NCC / BCA E2.2a (Clause 4) AS1670.1-2015</i>
2. <i>Emergency Warning and Intercom System</i>	<i>NCC / BCA E4.9 AS1670.4-2015</i>
3. <i>Automatic Fire Sprinkler System</i>	<i>NCC / BCA E1.5 AS2118.1-1999</i>

I am an appropriately qualified and competent person in this area and as such can certify that the design and performance of the design systems comply with the above.

I possess Indemnity Insurance to the satisfaction of the building owner or my principal.

Full Name of Designer: Anthony Sparks and Wayne Rose
**Qualifications: 27 years experience in the Fire Protection Industry,
Contractors Licence 233513C**
**Address of Designer: 18/3 Hamley Rd
Mt Kuring-gai, NSW, 2080**
Business Telephone No: (02) 9456 0788
Email: waynerose@compassfire.com.au
Name of Employer: Compass Fire Solutions
Signature/s:

A blue ink signature of Anthony Sparks, written in a cursive style.

Anthony Sparks

A blue ink signature of Wayne Rose, written in a cursive style.

Wayne Rose



Compass Fire Solutions Pty Ltd

ABN 33 148 962 181

18/3 Hamley Rd
Mt Kuring-gai, NSW, 2080

Ph: (02) 9456 0788

Fax: (02) 9456 0789

PO Box 381

Berowra Heights, NSW, 2082

www.compassfire.com.au

Regards

Compass Fire Solutions Pty Ltd

A handwritten signature in black ink, appearing to be "WR", written over a faint, illegible background.

Wayne Rose

[Director]