

LEGEND:

- EXISTING BUILDINGS, TO REMAIN. - NO WORK REQUIRED.
- PROPOSED BUILDING - STAGE 6 GYM & GLA
GROUND FLOOR AREA = 2726m²
FIRST FLOOR AREA = 1285m²
TOTAL BUILDING AREA (GND+FIRST) = 4011m²
EXTENT OF STAGE 6 SCOPE OF WORKS.

LEGEND

- EXISTING POWER
- NEW POWER
- DEMOLISHED POWER
- EXISTING COMMS
- NEW COMMS
- DEMOLISHED COMMS
- COMMS PIT
- POWER PIT
- MAIN DISTRIBUTION BOARD
- MAIN DISTRIBUTION FRAME
- (N) New
- (E) Existing

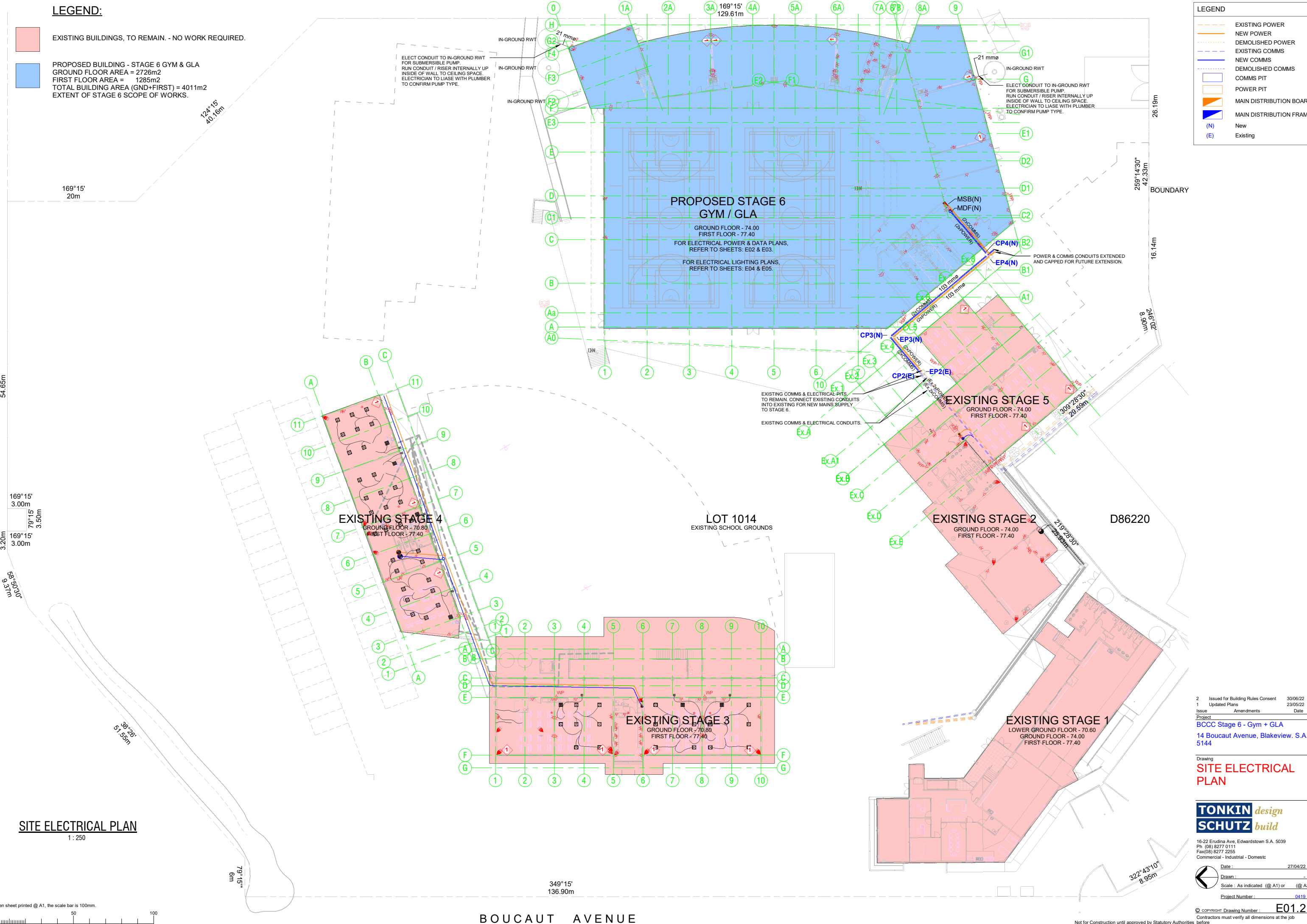
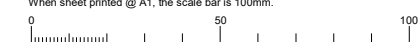
MAIN TERRACE

79°15' 54.65m
169°15' 3.00m
79°15' 3.50m
169°15' 3.00m
3.20m
98°50'20" 9.31m

SITE ELECTRICAL PLAN

1 : 250

When sheet printed @ A1, the scale bar is 100mm.



2	Issued for Building Rules Consent	30/06/22
1	Updated Plans	23/05/22
Issue	Amendments	Date

Project
BCCC Stage 6 - Gym + GLA
 14 Boucaut Avenue, Blakeview. S.A.
 5144

Drawing
SITE ELECTRICAL PLAN

TONKIN design
SCHUTZ build

16-22 Erudina Ave, Edwardstown S.A. 5039
 Ph (08) 8277 0111
 Fax (08) 8277 2255
 Commercial - Industrial - Domestic

Date: 27/04/22
 Drawn: _____
 Scale: As indicated (@ A1) or (@ A3)
 Project Number: 0419

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 Contractors must verify all dimensions at the job before commencing work or making shop drawings.

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BOUCAUT AVENUE

349°15' 136.90m

322°43'10" 8.95m

D86220

LOT 1014
 EXISTING SCHOOL GROUNDS

BOUNDARY

124°15' 40.16m

169°15' 20m

26.19m

259°14'30" 42.33m

16.14m

246°02' 8.90m

309°28'30" 28.59m

219°59'30" 25.89m

79°15' 6m

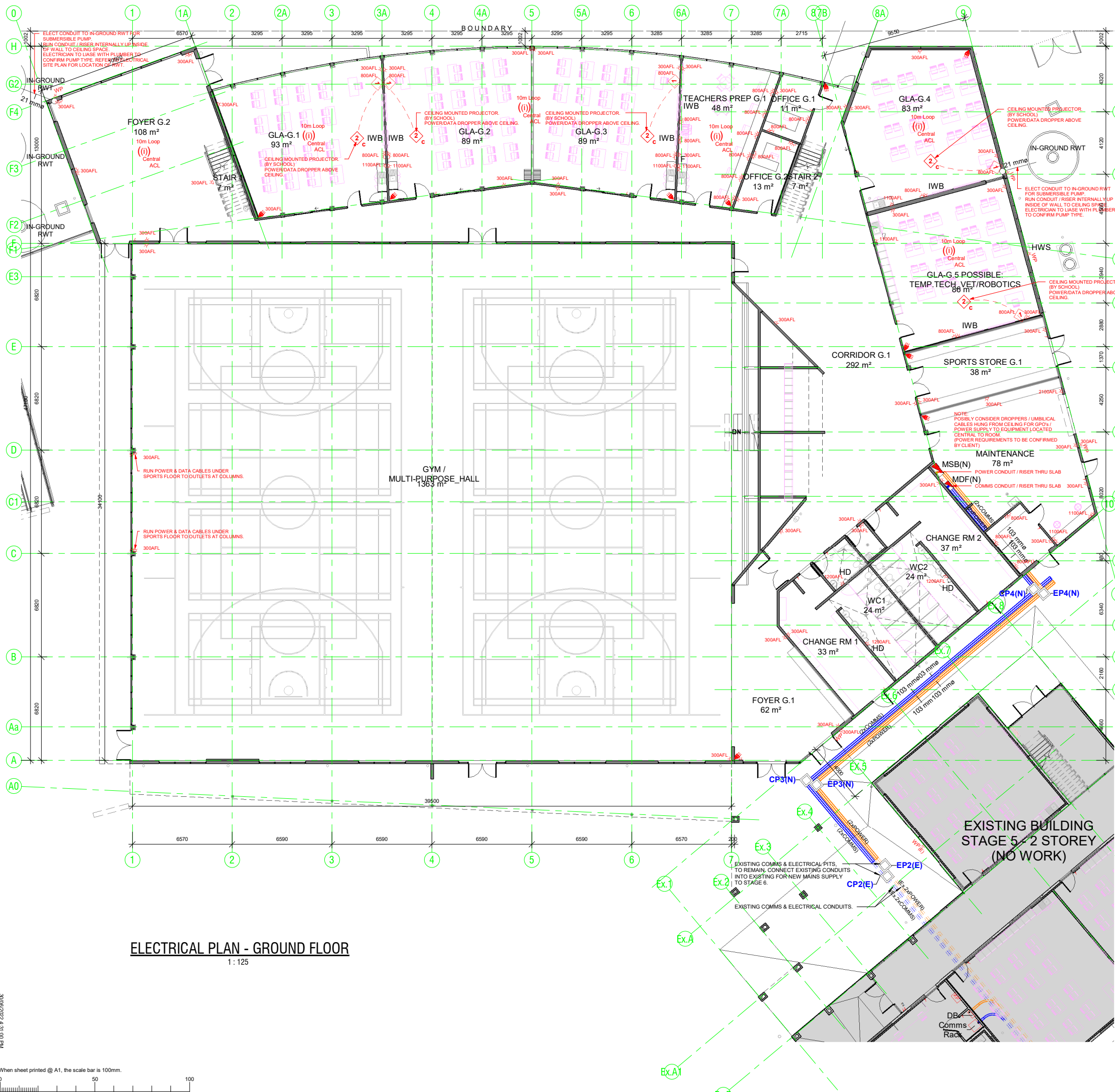
219°59'30" 25.89m

219°59'30" 25.89m

219°59'30" 25.89m

219°59'30" 25.89m

219°59'30" 25.89m



ELECTRICAL PLAN - GROUND FLOOR

1:125

LEGEND

POWER

- △ WP GPO - Single
- △ WP GPO - Single, Weatherproof
- △ GPO - Double
- Floor Box - 4 GPO + Data as req.
- ▽ Single HDMI
- ▽ Double Data/Comms
- HD Hand Dryer
- ⊕ Light Switch - 1000 High
- ⊕ Light Switch - 2 way switch
- 5m Loop Double Ethernet with 5m Loop
- ⊕ Central Above Ceiling Level
- ⊕ Central ACL
- ⊕ 10m Loop Double Ethernet with 10m Loop
- ⊕ Central Above Ceiling Level
- ⊕ Central ACL
- ⊕ Power / Data x2 / HDMI / USB at 800 AFL unless otherwise specified
- ⊕ Power / Data x2 / HDMI / USB dropper within ceiling space.
- ⊕ PA Speaker. Connect new PA System to existing MDF within adjoining existing building.

LIGHTING

- ⊕ Bardic Exit Light
- ⊕ Spirefire Emergency Light
- ▭ 300x1200 Recessed LED Panel
- LED Recessed LED Downlight. (IP44)
- ⊕ FL External Floodlight on Timer.
- ⊕ Smoke Detector. Ceiling Mounted. Hard wired with battery back up.

NOTES:

A RCD (Cipsal Switch) to be installed to the Switchboard.

Mech Design / Aircon to AS3823.3-2001

Emergency and Exit lights as per Australian Standards

The Power, Data & Lighting Layout designs prepared by TSDB are schematic only. Final design by Electrical Contractor. Contractor to submit final design to TSDB for Approval prior to commencement of the works.

All selected light fixtures to meet required Lux levels for the required tasks, as per BCA, NCC & Australian Standards.

0-FLL Electrical Fixture Schedule

Type	Count
Data - Double	24
GPO - Double	81
GPO - Double outdoor weatherproof outlet	5
Hand Dryer_Autobeam	3
Light Switch - Single	21
MDF - Main Distribution Frame	1
MSB - Main Switch Board	1
Type 1-Multi Point.Refer Legend.	5

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BCCC Stage 6 - Gym + GLA		
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Drawing

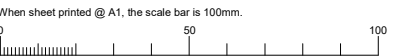
GROUND FLOOR POWER & DATA PLAN

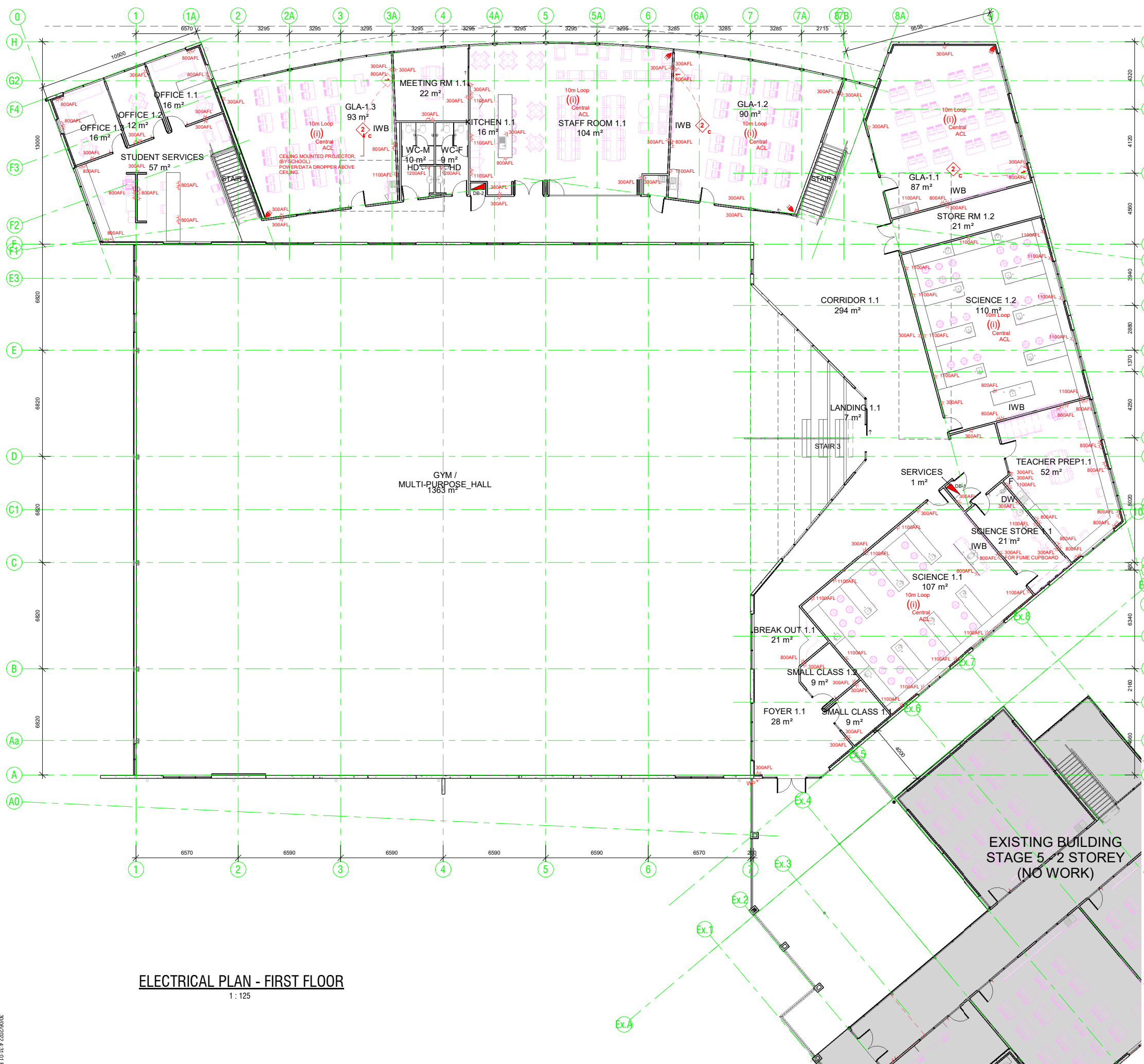
TONKIN design
SCHUTZ build

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LEGEND

POWER

- △ GPO - Single
- △WP GPO - Single, Weatherproof
- △ Double GPO - Double
- Floor Box - 4 GPO + Data as req.
- ▽ Single HDMI
- ▽ Double Data/Comms
- HD Hand Dryer
- ⊕ Light Switch - 1000 High
- ⊕ Light Switch - 2 way switch
- 5m Loop Double Ethernet with 5m Loop
- (ii) Central Above Ceiling Level
- (ii) Central A.C.L.
- 10m Loop Double Ethernet with 10m Loop
- (ii) Central Above Ceiling Level
- (ii) Central A.C.L.
- 1 Power / Data x2 / HDMI / USB at 800 AFL unless otherwise specified
- 2c Power / Data x2 / HDMI / USB dropper within ceiling space.
- ⊙ SP PA Speaker. Connect new PA System to existing MDF within adjoining existing building.

LIGHTING

- ⊕ Bardic Exit Light
- ⊕ Spillfire Emergency Light
- 300x1200 Recessed LED Panel
- ⊕ LED Recessed LED Downlight, (IP44)
- ⊕ FL External Floodlight on Timer.
- ⊕ S Smoke Detector, Ceiling Mounted. Hard wired with battery back up.

NOTES:

A RCD (Clipsal Switch) to be installed to the Switchboard.
 Mech Design / Aircon to AS3823.3-2001
 Emergency and Exit lights as per Australian Standards
 The Power, Data & Lighting Layout designs prepared by TSDB are schematic only.
 Final design by Electrical Contractor.
 Contractor to submit final design to TSDB for Approval prior to commencement of the works.
 All selected light fixtures to meet required Lux levels for the required tasks, as per BCA, NCC & Australian Standards.

1-FFL Electrical Fixture Schedule

Type	Count
Data - Double	26
DB - Distribution Board	2
GPO - Double	110
GPO - Double outdoor weatherproof outlet	1
Hand Dryer - Autobeam	2
Light Switch - Single	18
Type 1-Multi Point.Refer Legend.	3

ELECTRICAL PLAN - FIRST FLOOR
1:125

When sheet printed @ A1, the scale bar is 100mm.

2 Issued for Building Rules Consent 30/06/22
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BCCC Stage 6 - Gym + GLA
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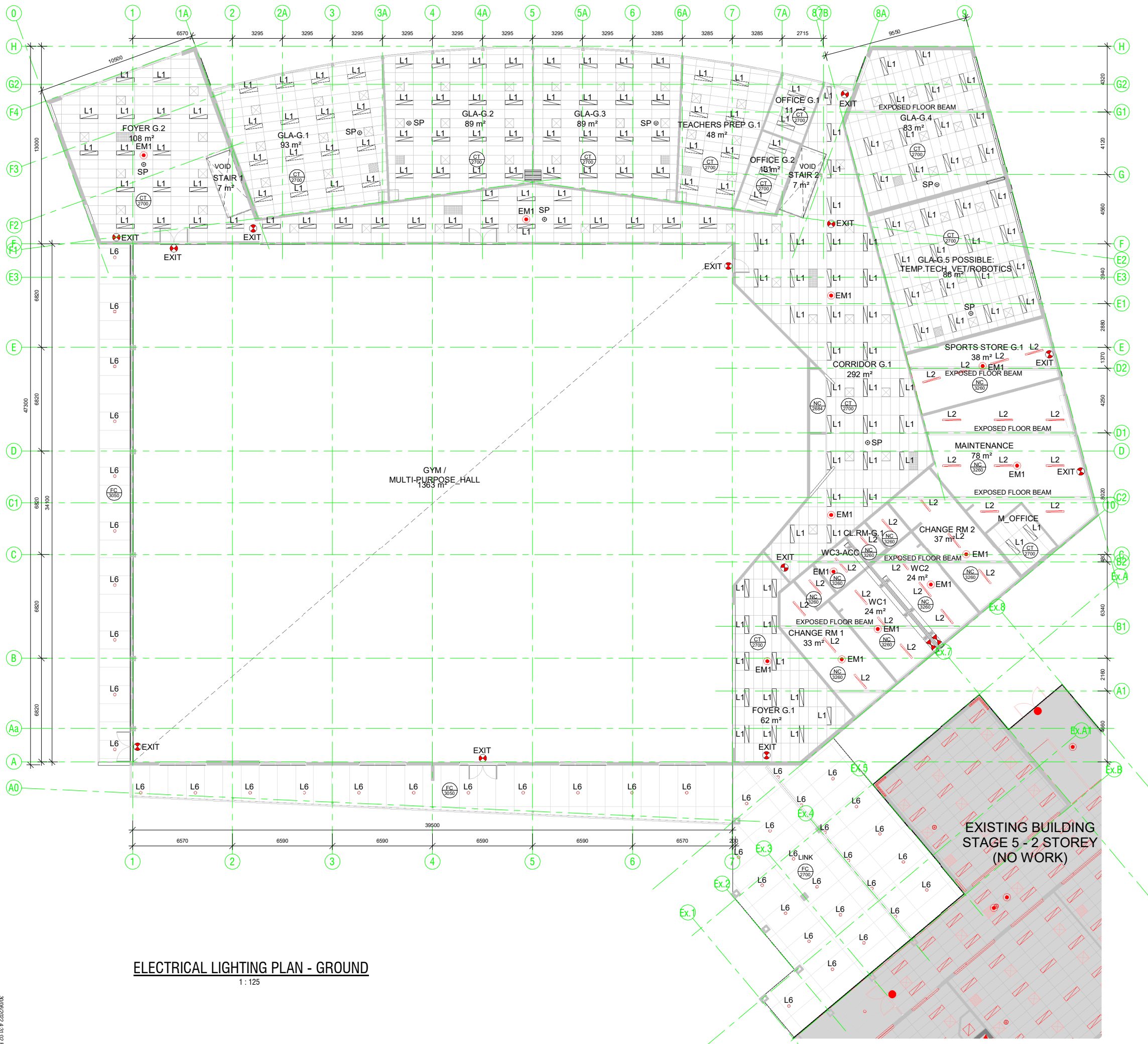
Drawing
FIRST FLOOR POWER & DATA PLAN

TONKIN design
SCHUTZ build

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Date: 27/04/22
 Drawn: _____
 Scale: As indicated (@ A1) or (@ A3)
 Project Number: 0419

© COPYRIGHT Drawing Number: **E03.2**
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LEGEND

POWER

- △ GPO - Single
- △ WP GPO - Single, Weatherproof
- △ GPO - Double
- Floor Box - 4 GPO + Data as req.
- ▽ Single HDMI
- ▽ Double Data/Comms
- HD Hand Dryer
- ⊕ Light Switch - 1000 High
- ⊕ Light Switch - 2 way switch
- 5m Loop Double Ethernet with 5m Loop Central Above Ceiling Level
- 10m Loop Double Ethernet with 10m Loop Central Above Ceiling Level
- ① Power / Data x2 / HDMI / USB at 800 AFL unless otherwise specified
- ② Power / Data x2 / HDMI / USB dropper within ceiling space.
- ⊙ SP PA Speaker. Connect new PA System to existing MDF within adjoining existing building.

LIGHTING

- ⊕ Bardic Exit Light
- ⊕ Splitfire Emergency Light
- 300x1200 Recessed LED Panel
- LED Recessed LED Downlight, (IP44)
- ⊕ FL External Floodlight on Timer.
- ⊕ Smoke Detector, Ceiling Mounted. Hard wired with battery back up.

NOTES:

- A RCD (Clipsal Switch) to be installed to the Switchboard.
- Mech Design / Aircon to AS3823.3-2001
- Emergency and Exit lights as per Australian Standards
- The Power, Data & Lighting Layout designs prepared by TSDB are schematic only. Final design by Electrical Contractor. Contractor to submit final design to TSDB for Approval prior to commencement of the works.
- All selected light fixtures to meet required Lux levels for the required tasks, as per BCA, NCC & Australian Standards.

0-FFL Lighting Fixture Schedule		
Mark	Description	Count
EM1	Emergency Light - 240V AC 10W 6V Recessed with 85mm head	12
EXIT	Bardic - Emergency Exit Light. Running man.	12
FL1	Flood Light. IP65 Rated.	4
L1	300x1200 LED panel	167
L2	Internal LED Batten - 1200 Lg. 36W. IP20. Surface Mounted. Diffused.	28
L6	External Recessed LED Downlight - 35W. IP65 Rated.	44

ELECTRICAL LIGHTING PLAN - GROUND
1 : 125

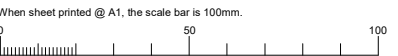
2 Issued for Building Rules Consent 30/06/22
 1 Updated Plans 23/05/22
 Issue Amendments Date
 Project
BCCC Stage 6 - Gym + GLA
 14 Boucaut Avenue, Blakeview, S.A. 5144

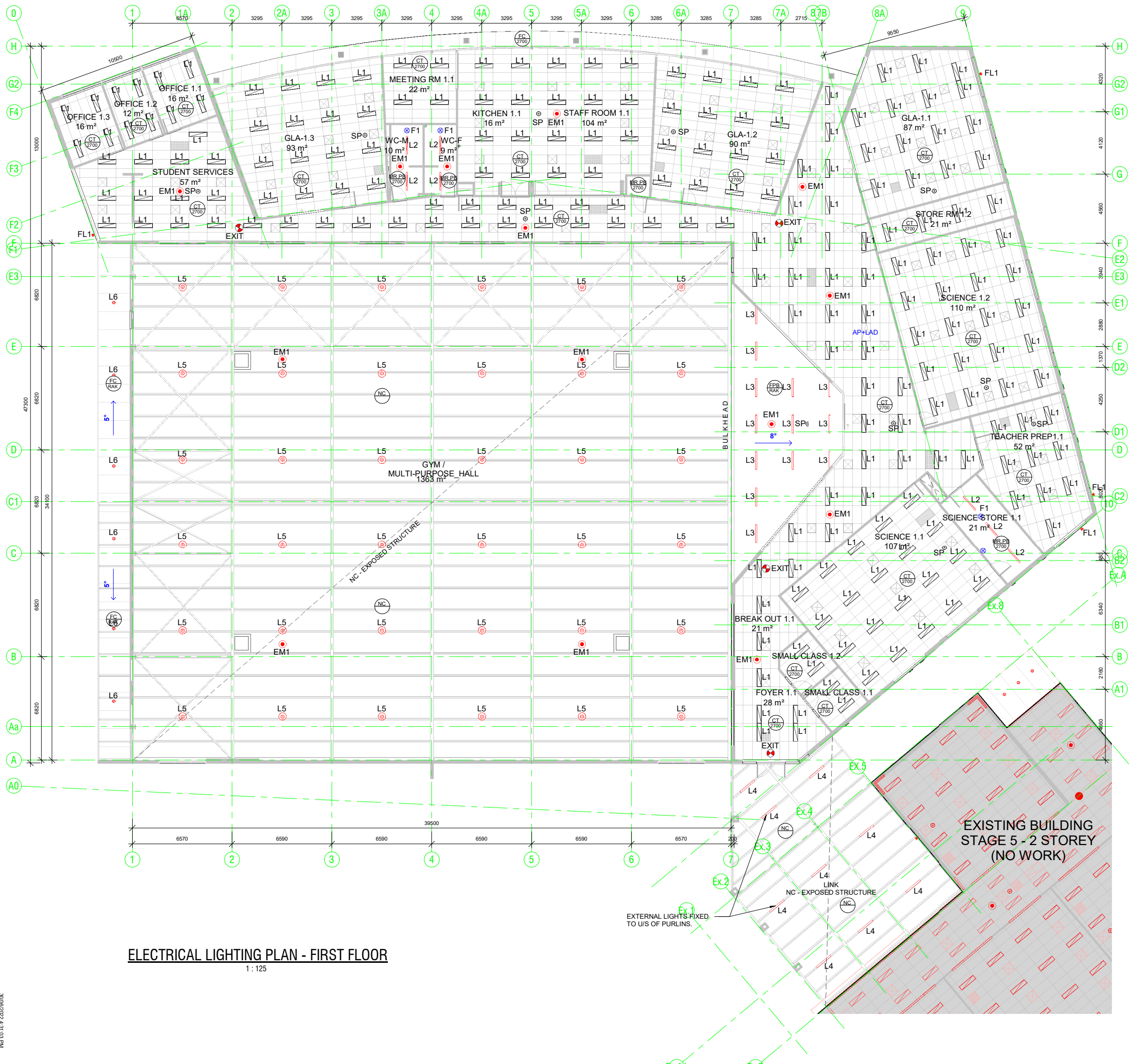
Drawing
ELECTRICAL LIGHTING PLAN - GROUND
TONKIN design
SCHUTZ build

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 Project Number: 0419

© COPYRIGHT Drawing Number: **E04.2**
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LEGEND

POWER

- GPO - Single
- GPO - Single, Weatherproof
- GPO - Double
- Floor Box - 4 GPO + Data as req.
- Single HDMI
- Double Data/Comms
- Hand Dryer
- Light Switch - 1000 High
- Light Switch - 2 way switch
- 5m Loop Double Ethernet with 5m Loop Central Above Ceiling Level
- 10m Loop Double Ethernet with 10m Loop Central Above Ceiling Level
- PA Speaker. Connect new PA System to existing MDF within adjoining existing building.

LIGHTING

- Bardic Exit Light
- Spitfire Emergency Light
- 300x1200 Recessed LED Panel
- LED Recessed LED Downlight. (IP44)
- External Floodlight on Timer.
- Smoke Detector. Ceiling Mounted. Hard wired with battery back up.

NOTES:

- A RCD (Clipsal Switch) to be installed to the Switchboard.
- Mech Design / Aircon to AS3823.3-2001
- Emergency and Exit lights as per Australian Standards
- The Power, Data & Lighting Layout designs prepared by TSDB are schematic only. Final design by Electrical Contractor
- Contractor to submit final design to TSDB for Approval prior to commencement of the works.
- All selected light fixtures to meet required Lux levels for the required tasks, as per BCA, NCC & Australian Standards.

1-FFL Lighting Fixture Schedule

Mark	Description	Count
EM1	Emergency Light - 240V AC 10W 6V Recessed with 85mm head	14
EXIT	Bardic - Emergency Exit Light. Running man.	4
L1	300x1200 LED panel	213
L2	Internal LED Batten - 1200 Lg. 36W. IP20. Surface Mounted. Diffused.	7
L3	Internal LED Batten - 1200 Lg. 36W. Surface Mounted. Diffused.	13
L4	External LED Batten - 1200 Lg. 36W. IP20. Surface Mounted. Diffused.	9
L5	High Bay Light Fixture	36
L6	External Recessed LED Downlight - 35W. IP65 Rated.	6

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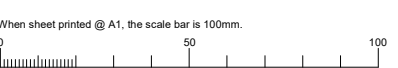
Drawing
ELECTRICAL LIGHTING PLAN - FIRST FLOOR
TONKIN design
SCHUTZ build

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Date: 27/04/22
 Drawn: _____
 Scale: As Indicated (@ A1) or (@ A3)
 Project Number: 0419

© COPYRIGHT Drawing Number: **E05.2**
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ELECTRICAL LIGHTING PLAN - FIRST FLOOR
 1: 125



LEGEND:

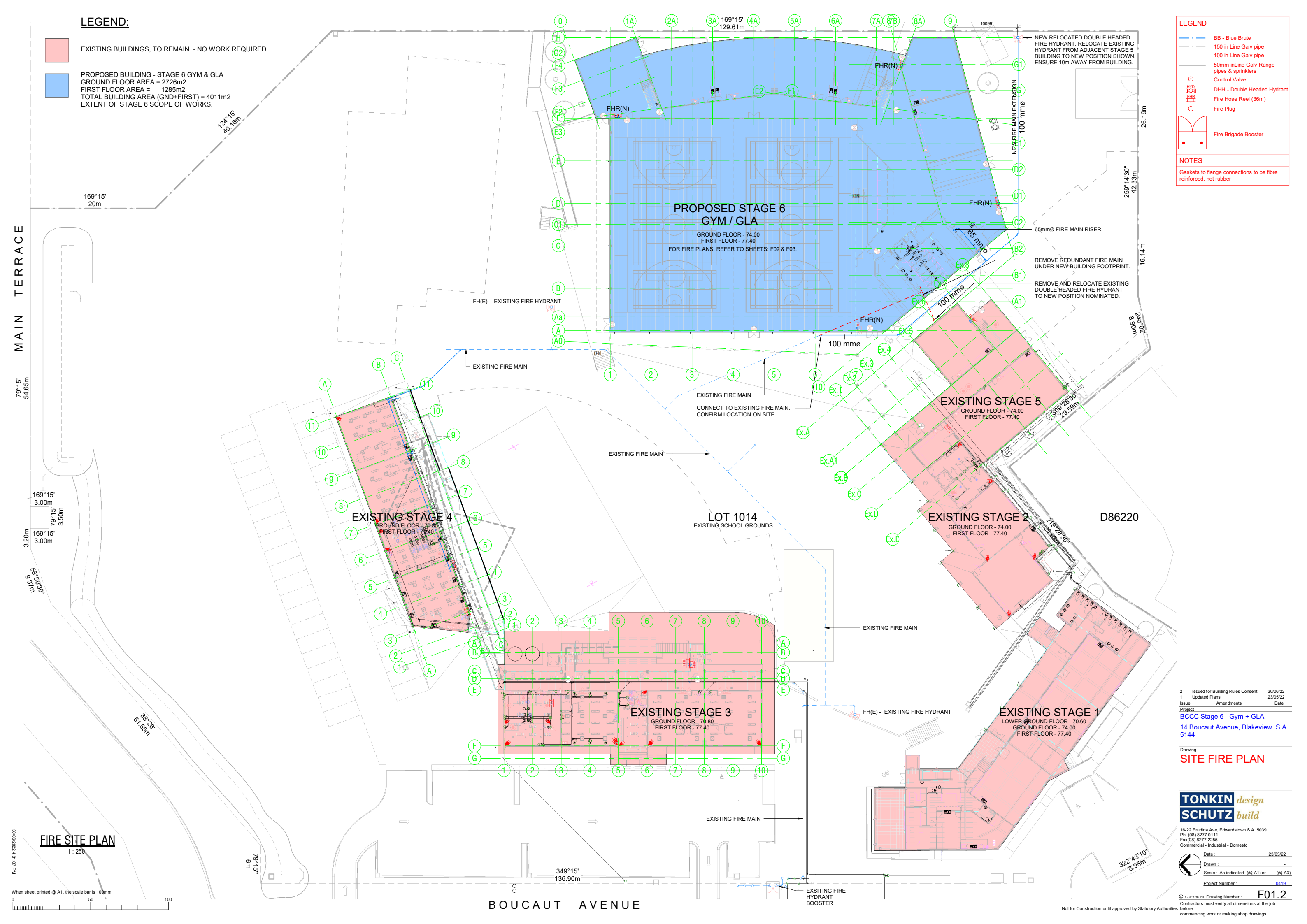
- EXISTING BUILDINGS, TO REMAIN. - NO WORK REQUIRED.
- PROPOSED BUILDING - STAGE 6 GYM & GLA
GROUND FLOOR AREA = 2726m²
FIRST FLOOR AREA = 1285m²
TOTAL BUILDING AREA (GND+FIRST) = 4011m²
EXTENT OF STAGE 6 SCOPE OF WORKS.

LEGEND

- BB - Blue Brute
- 150 in Line Galv pipe
- 100 in Line Galv pipe
- 50mm inLine Galv Range pipes & sprinklers
- Control Valve
- DHH - Double Headed Hydrant
- Fire Hose Reel (36m)
- Fire Plug
- Fire Brigade Booster

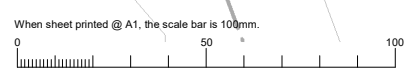
NOTES

Gaskets to flange connections to be fibre reinforced, not rubber



FIRE SITE PLAN

1: 250



2	Issued for Building Rules Consent	30/06/22
1	Updated Plans	23/05/22
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Project		
BCCC Stage 6 - Gym + GLA		
14 Boucaut Avenue, Blakeview. S.A. 5144		
Drawing		
SITE FIRE PLAN		

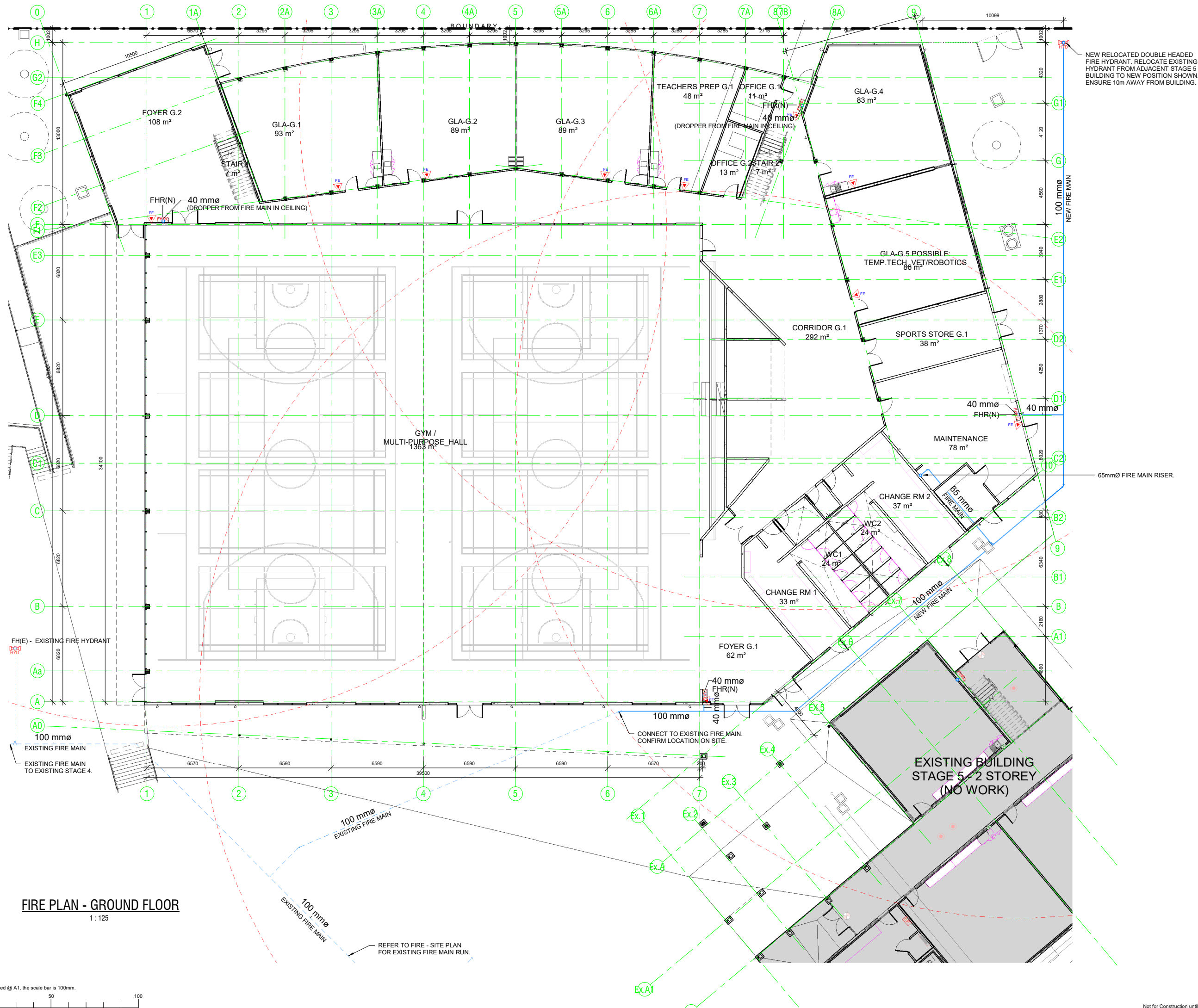
TONKIN design
SCHUTZ build

16-22 Erudina Ave, Edwardstown S.A. 5039
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Commercial - Industrial - Domestic

Date: 23/05/22
Drawn: [Signature]
Scale: As Indicated (@ A1) or (@ A3)
Project Number: 0419

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LEGEND	
DETECTION SERVICES	
	Smoke detector
	Thermal detector
	Fire Indicator Panel
EXTINGUISHING SYSTEMS	
	DHH - Double Headed Hydrant
	Overhead ceiling sprinkler
	Wall wetting sprinkler
	Fire Hose Reel(36m)
	Fire Hose Reel(36m) Cabinet
	Fire Blanket
	Fire Extinguisher - Wet Chemical
	Fire Extinguisher - 9L Water
	Fire Extinguisher - 2.5 kg CO2
	Fire Extinguisher - 4.5kg ABE (Dry Chem)
NOTE: Provide shutdown signal to roof mounted condensing units for final termination to shutdown relay by mechanical services trade.	
NOTES:	
New underground pipework shall be pressure tested and witnessed by SA WATER corporation prior to connection to existing underground service.	
All work is to be carried out in accordance with pipe manufacturers requirements and SA WATER corporation directions.	
The electrical services trade shall provide the fire rated telephone line, refer specification for further details.	
SECURITY & SAFETY	
	180° Security Motion Sensor
	360° Security Motion Sensor
	Keypad
	Reed Switch
	Roller Door Reed Switch
	Call Button
	Camera

2 Issued for Building Rules Consent 30/06/22
 1 Updated Plans 23/05/22
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 Project
 BCCC Stage 6 - Gym + GLA
 14 Boucaut Avenue, Blakeview. S.A.
 5144

Drawing
**GROUND FLOOR
 FIRE PLAN**

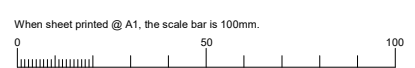
TONKIN design
SCHUTZ build

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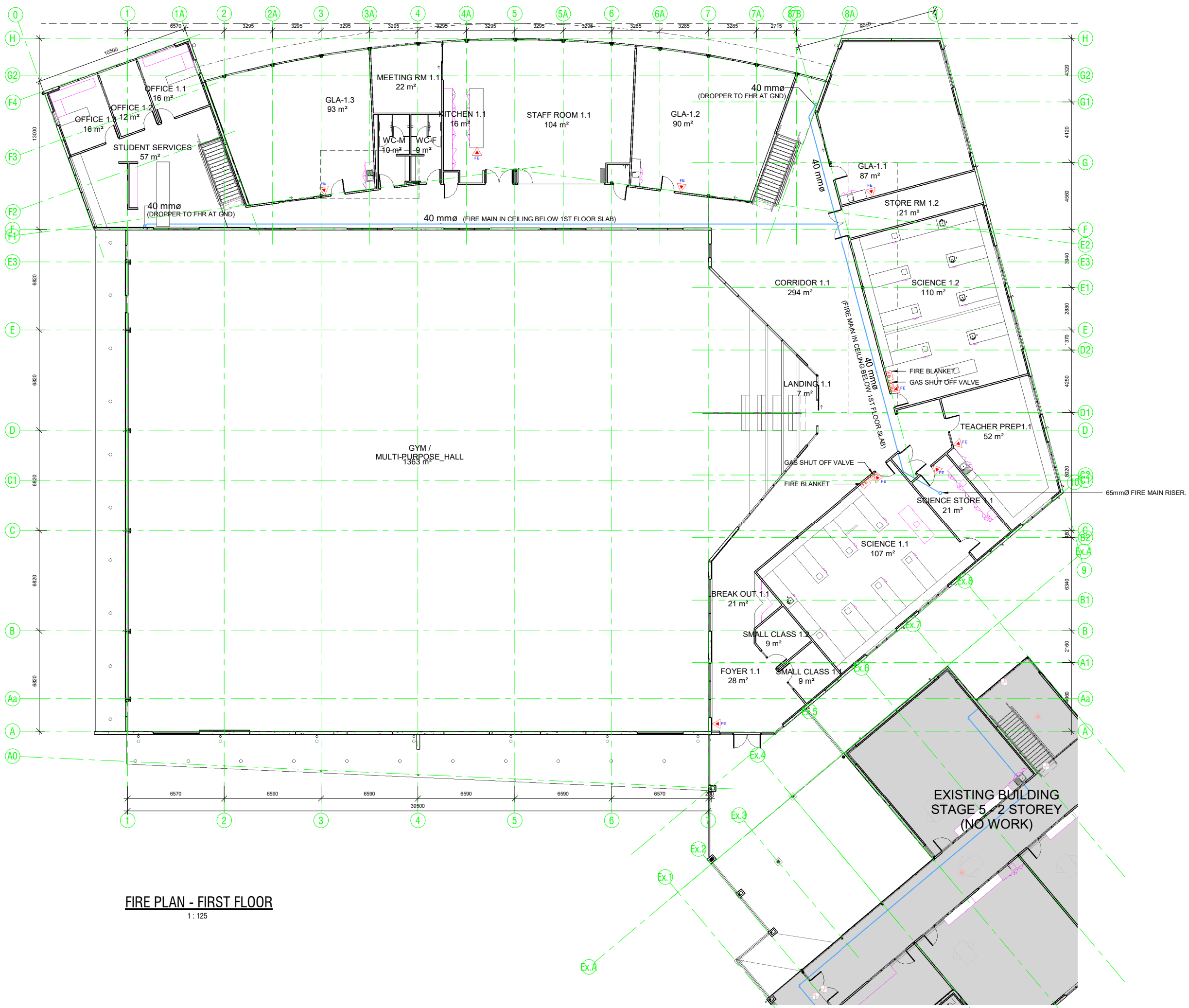
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FIRE PLAN - GROUND FLOOR
 1:125



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FIRE PLAN - FIRST FLOOR
1:125

LEGEND	
DETECTION SERVICES	
	Smoke detector
	Thermal detector
	Fire Indicator Panel
EXTINGUISHING SYSTEMS	
	DHH - Double Headed Hydrant
	Overhead ceiling sprinkler
	Wall wetting sprinkler
	Fire Hose Reel(36m)
	Fire Hose Reel(36m) Cabinet
	Fire Blanket
	Fire Extinguisher - Wet Chemical
	Fire Extinguisher - 9L Water
	Fire Extinguisher - 2.5 kg CO2
	Fire Extinguisher - 4.5kg ABE (Dry Chem)
NOTES:	
NOTE: Provide shutdown signal to roof mounted condensing units for final termination to shutdown relay by mechanical services trade.	
NOTES:	
New underground pipework shall be pressure tested and witnessed by SA WATER corporation prior to connection to existing underground service.	
All work is to be carried out in accordance with pipe manufacturers requirements and SA WATER corporation directions.	
The electrical services trade shall provide the fire rated telephone line, refer specification for further details.	
SECURITY & SAFETY	
	180° Security Motion Sensor
	360° Security Motion Sensor
	Keypad
	Reed Switch
	Roller Door Reed Switch
	Call Button
	Camera

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Project		
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Drawing
FIRST FLOOR FIRE PLAN

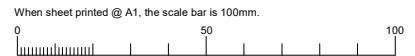
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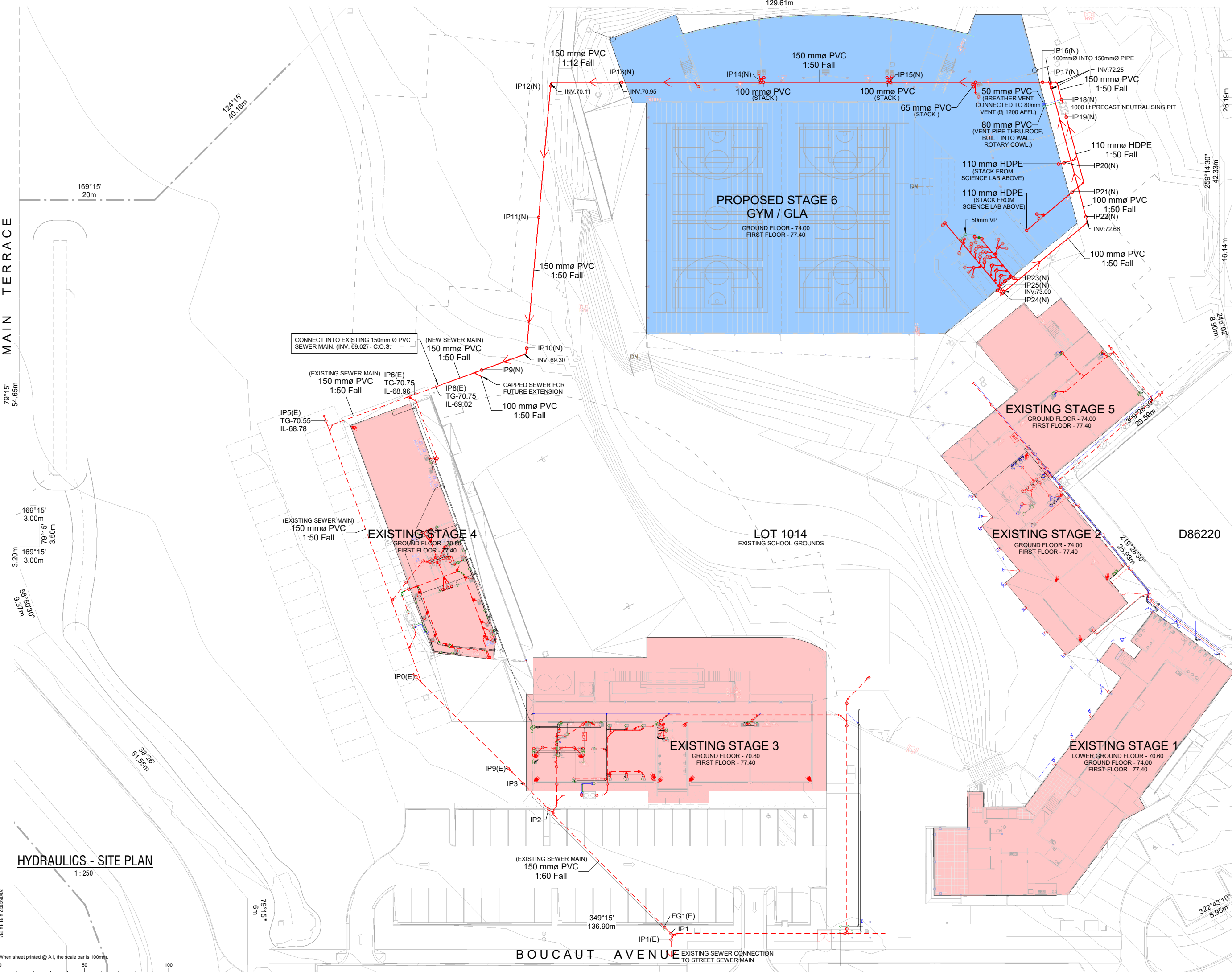
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PH: 601417 2828006



LEGEND

- 100 Sewer (number indicates pipe size)
- Proposed Sewer (number indicates pipe size)
- Removed Sewer (number indicates pipe size)
- Mains Water
- ?? Cold Water - ?mm Copper (number indicates size)
- ?? Hot Water - ?mm Copper (number indicates size)
- Indicates direction of flow
- Existing N.Gas Line - ?mm
- New N.Gas Line - ?mm
- HWS HWS
- Water Meter
- TMV-Set at 40°C
- Ball Valve
- Gully
- Raised Sewer IP
- Flood Gully
- Floor Drain
- (E) Denotes Existing Fixture/Item
- (N) Denotes New Fixture - Item

NOTES:

All sewer pipework and fittings to be of DWV grade.
 All drains laid to AS3500, 100mm drain to be min 2% (1:50) grade.

Flexible service connections must be used to allow for differential soil movement.

The Hydraulic designs prepared by TSDBB are schematic only.
 Final Hydraulic design by Plumbing Contractor. Contractor to submit final design to TSDBB for Approval prior to commencement of the works.

Final design and installation by Plumber to be strictly in accordance with AS3500.

NOTE:

PLUMBER TO CHECK ON SITE TO CONFIRM THERE IS A TESTABLE DOUBLE CHECK VALVE INSTALLED ON MAIN WATER PIPE RUN INTO BUILDING.
 IF NOT, THE PLUMBER TO RETROFIT A TESTABLE DOUBLE CHECK VALVE AT THE EXISTING WATER METER LOCATION.

4	Issued for Building Rules Consent Approval	30/06/22
3	Updated Drawings Issued for OTR Approval	18/05/22
2	Updated Drawings	17/05/22
1	Prelim drawings issued for Review	21/04/22
Issue	Amendments	Date
Project		
BCCC Stage 6 - Gym + GLA		
14 Boucaut Avenue, Blakeview, S.A. 5144		

Drawing
HYDRAULICS - SITE PLAN

TONKIN design
SCHUTZ build

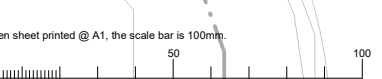
16-22 Erudina Ave, Edwardstown S.A. 5039
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Date: 21/04/22
 Drawn: [Signature]
 Scale: As Indicated (@ A1) or (@ A3)
 Project Number: 0419

© COPYRIGHT Drawing Number: **H01.4**
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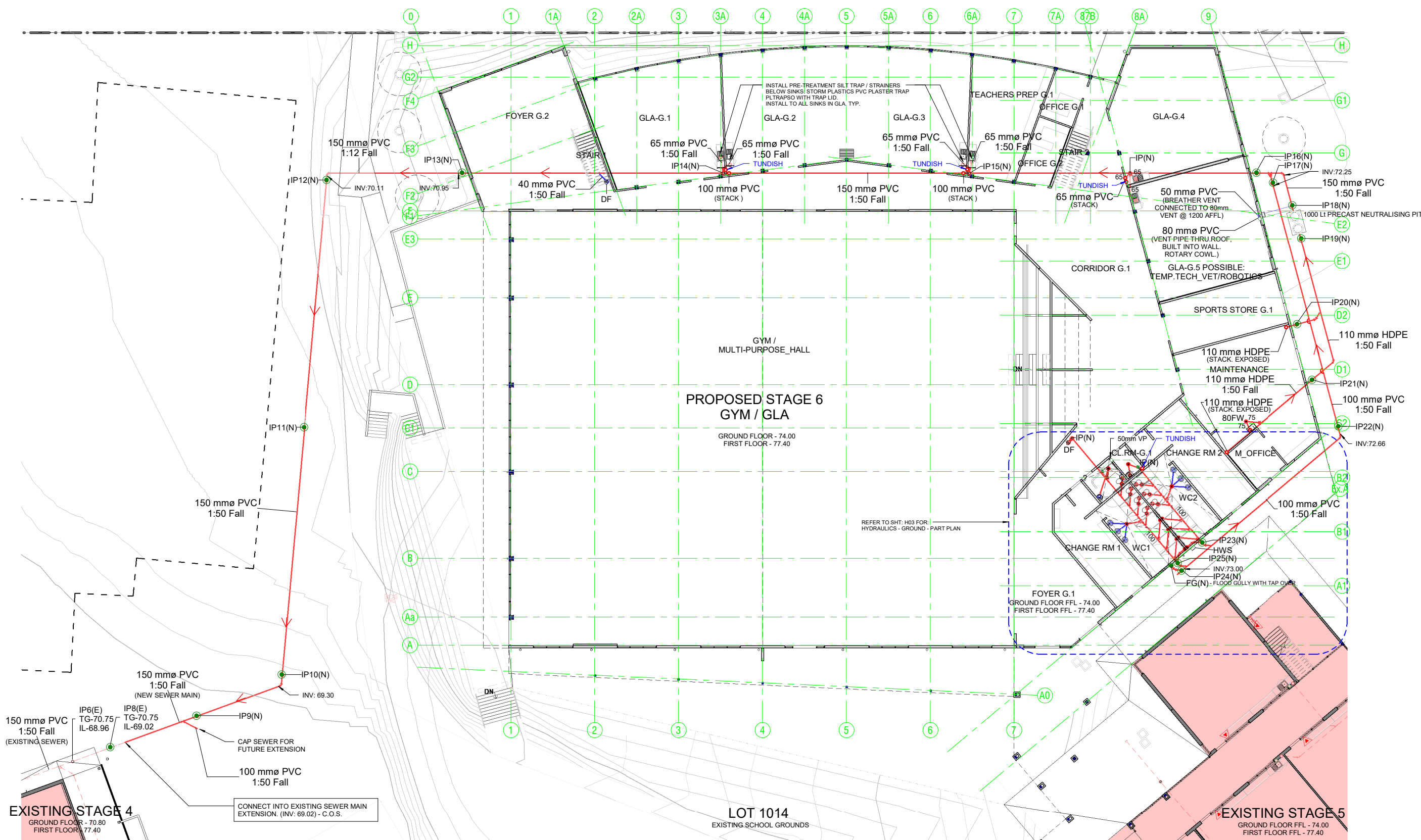
HYDRAULICS - SITE PLAN

1: 250



When sheet printed @ A1, the scale bar is 100mm

P:\11\1617_2022\20030



LEGEND

- 100 Sewer (number indicates pipe size)
- 100 Proposed Sewer (number indicates pipe size)
- 100 Removed Sewer (number indicates pipe size)
- Mains Water
- ?? Cold Water - 77mm Copper (number indicates size)
- ?? Hot Water - 77mm Copper (number indicates size)
- Indicates direction of flow
- Existing N.Gas Line - 77mm
- New N.Gas Line - 77mm
- HWS HWS
- Water Meter
- T TMV-Set at 40°C
- V Ball Valve
- Gully
- Raised Sewer IP
- Flood Gully
- Floor Drain
- (E) Denotes Existing Fixture/Item
- (N) Denotes New Fixture - Item

NOTES:

All sewer pipework and fittings to be of DWV grade.
 All drains laid to AS3500, 100mm drain to be min 2% (1:50) grade.

Flexible service connections must be used to allow for differential soil movement.

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NOTE:

PLUMBER TO CHECK ON SITE TO CONFIRM THERE IS A TESTABLE DOUBLE CHECK VALVE INSTALLED ON MAIN WATER PIPE RUN INTO BUILDING.
 IF NOT, THE PLUMBER TO RETROFIT A TESTABLE DOUBLE CHECK VALVE AT THE EXISTING WATER METER LOCATION.

Issue	Amendments	Date
4	Issued for Building Rules Consent	30/06/22
3	Updated Drawings Issued for OTR Approval	18/05/22
2	Updated Drawings	17/05/22
1	Prelim drawings issued for Review	21/04/22

Project
BCCC Stage 6 - Gym + GLA
 14 Boucaut Avenue, Blakeview, S.A. 5144

Drawing
HYDRAULICS PLAN - GROUND FLOOR

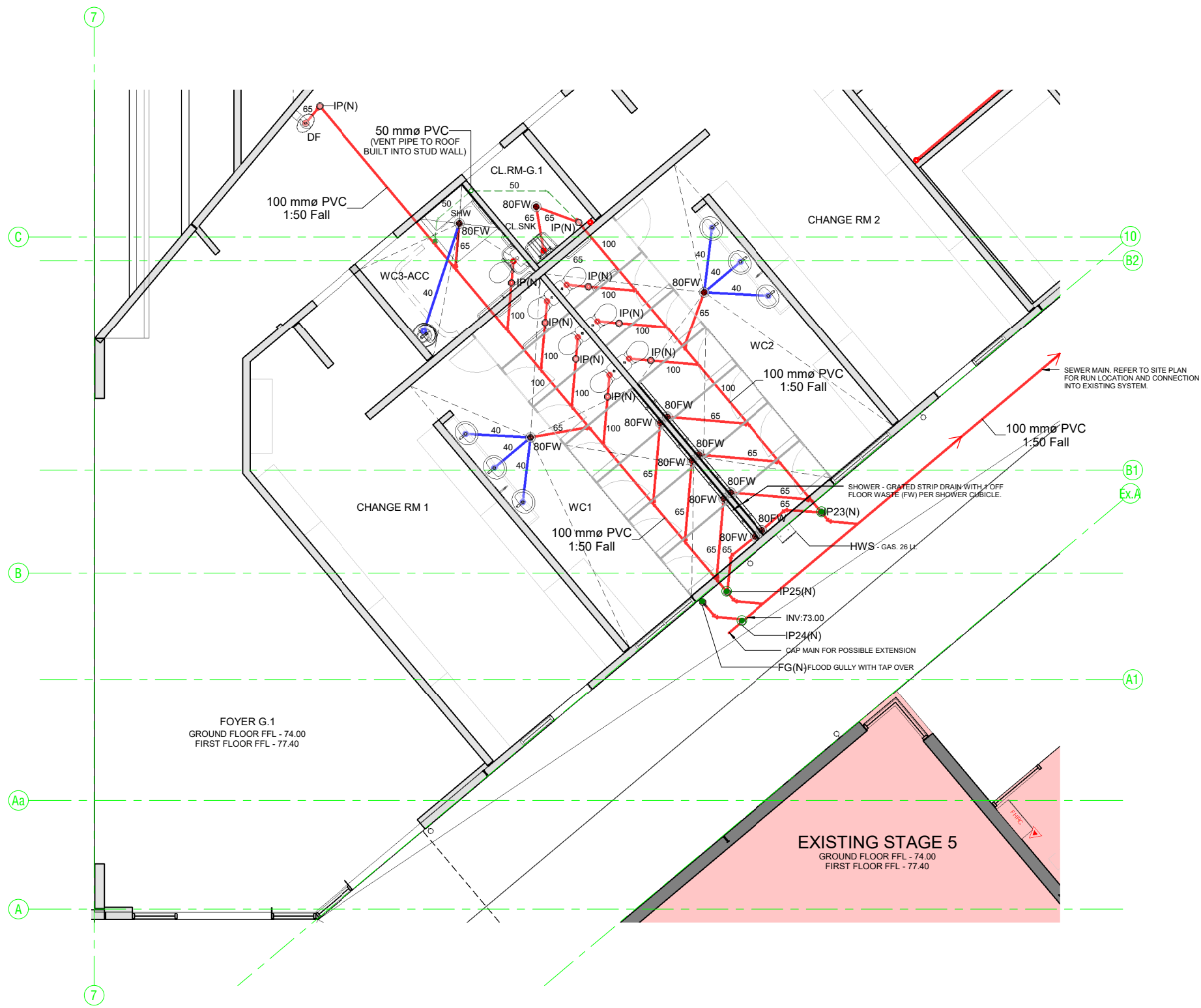
TONKIN design
SCHUTZ build

16-22 Erudina Ave, Edwardstown S.A. 5039
 Ph (08) 8277 0111
 Fax (08) 8277 2255
 Commercial - Industrial - Domestic

Date: 14/04/22
 Drawn: _____
 Scale: As indicated (@ A1) or (@ A3)
 Project Number: 0419

HYDRAULICS - GROUND PLAN
 1:150

When sheet printed @ A1, the scale bar is 100mm.



LEGEND

- 100 Sewer (number indicates pipe size)
- 100 Proposed Sewer (number indicates pipe size)
- 100 Removed Sewer (number indicates pipe size)
- Mains Water
- ?? Cold Water - ??mm Copper (number indicates size)
- ?? Hot Water - ??mm Copper (number indicates size)
- Indicates direction of flow
- Existing N. Gas Line - ??mm
- New N. Gas Line - ??mm
- HWS
- Water Meter
- TMV-Set at 40°C
- Ball Valve
- Gully
- Raised Sewer IP
- Flood Gully
- Floor Drain
- (E) Denotes Existing Fixture/Item
- (N) Denotes New Fixture - Item

NOTES:

All sewer pipework and fittings to be of DWV grade.
 All drains laid to AS3500, 100mm drain to be min 2% (1:50) grade.

Flexible service connections must be used to allow for differential soil movement.

The Hydraulic designs prepared by TSDB are schematic only.
 Final Hydraulic design by Plumbing Contractor to submit final design to TSDB for Approval prior to commencement of the works.

Final design and installation by Plumber to be strictly in accordance with AS3500.

NOTE:

PLUMBER TO CHECK ON SITE TO CONFIRM THERE IS A TESTABLE DOUBLE CHECK VALVE INSTALLED ON MAIN WATER PIPE RUN INTO BUILDING.
 IF NOT, THE PLUMBER TO RETROFIT A TESTABLE DOUBLE CHECK VALVE AT THE EXISTING WATER METER LOCATION.

HYDRAULICS - GROUND PART PLAN
 1:50

4	Issued for Building Rules Consent	30/06/22
3	Updated Drawings issued for OTR Approval	18/05/22
2	Updated Drawings	17/05/22
1	Prelim drawings issued for Review	21/04/22

Project
 BCCC Stage 6 - Gym + GLA
 14 Boucaut Avenue, Blakeview. S.A. 5144

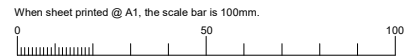
HYDRAULICS PLAN - GROUND - PART FLOOR



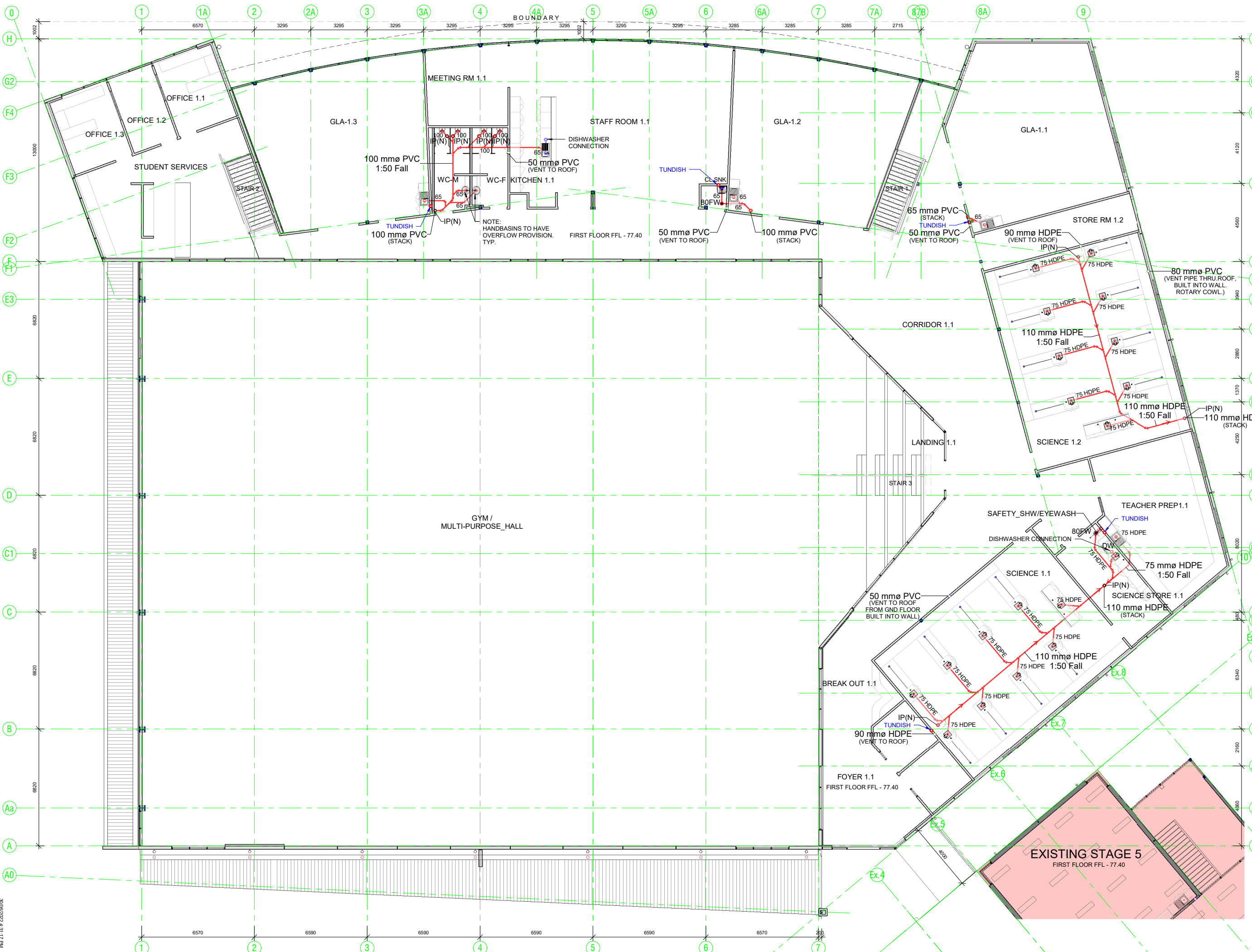
16-22 Erudina Ave, Edwardstown S.A. 5039
 Ph (08) 8277 0111
 Fax (08) 8277 2255
 Commercial - Industrial - Domestic

Date: 21/04/22
 Drawn: [Signature]
 Scale: As Indicated (@ A1) or (@ A3)
 Project Number: 0419

© COPYRIGHT Drawing Number: **H03.4**
 Contractors must verify all dimensions at the job before commencing work or making shop drawings.



PH: 511417 28228006



LEGEND

- 100 Sewer (number indicates pipe size)
- - - 100 Proposed Sewer (number indicates pipe size)
- · · 100 Removed Sewer (number indicates pipe size)
- Mains Water
- ?? Cold Water - ?mm Copper (number indicates size)
- ?? Hot Water - ?mm Copper (number indicates size)
- ← Indicates direction of flow
- Existing N.Gas Line - ?mm
- New N.Gas Line - ?mm
- HWS HWS
- Water Meter
- T TMV-Set at 40°C
- V Ball Valve
- Gully
- Raised Sewer IP
- Flood Gully
- Floor Drain
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- (N) Denotes New Fixture - Item

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4	Issued for Building Rules Consent	30/06/22
3	Updated Drawings Issued for OTR Approval	18/05/22
2	Updated Drawings	17/05/22
1	Prelim drawings issued for Review	21/04/22
Issue	Amendments	Date

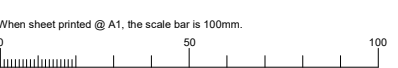
Project
BCCC Stage 6 - Gym + GLA
 14 Boucaut Avenue, Blakeview, S.A. 5144

Drawing
HYDRAULICS PLAN - FIRST FLOOR

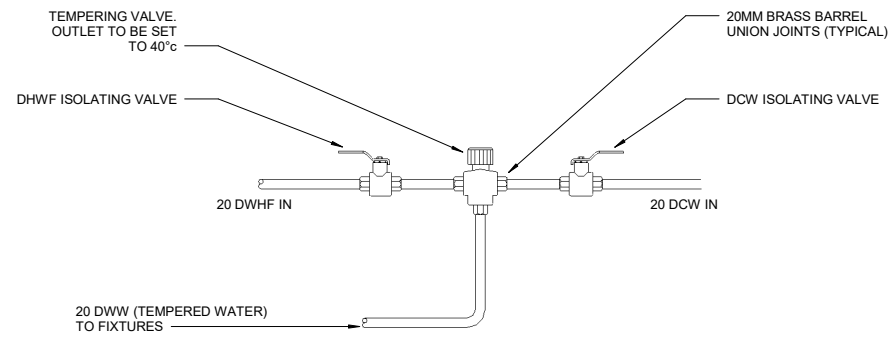
TONKIN design
SCHUTZ build

16-22 Erudina Ave, Edwardstown S.A. 5039
 Ph (08) 8277 0111
 Fax (08) 8277 2255
 Commercial - Industrial - Domestic

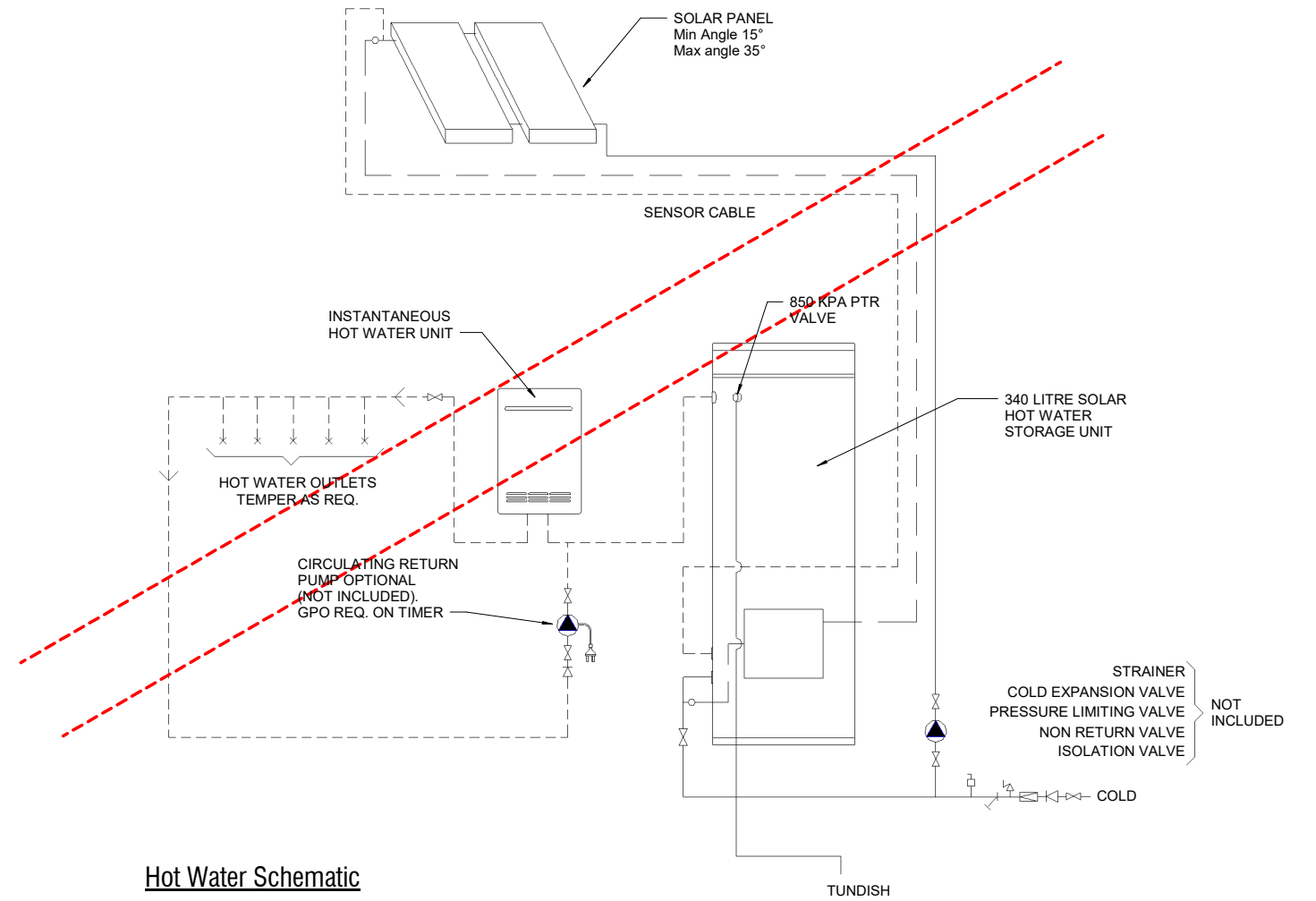
Date: 21/04/22
 Drawn: _____
 Scale: 1:100 (@ A1) or (@ A3)
 Project Number: 0419



HYDRAULICS - FIRST PLAN
 1:100

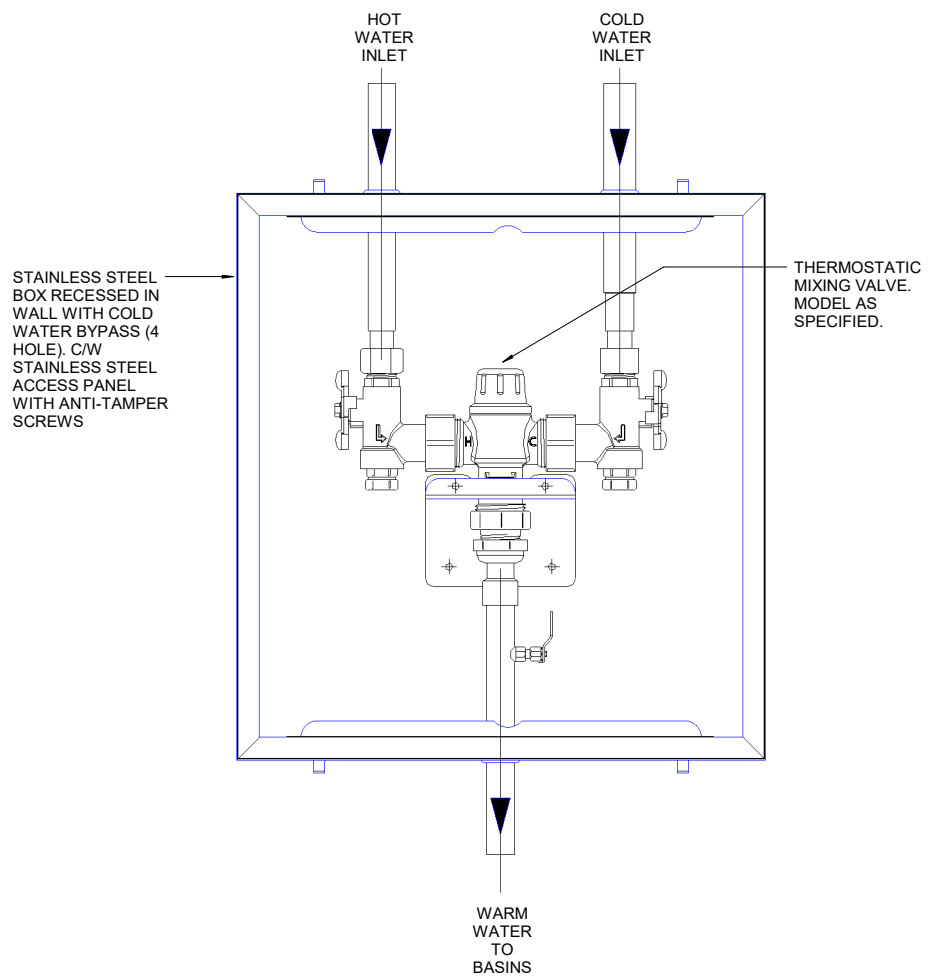


Isolation/Tempering Valve Pipework Arrangement
N.T.S



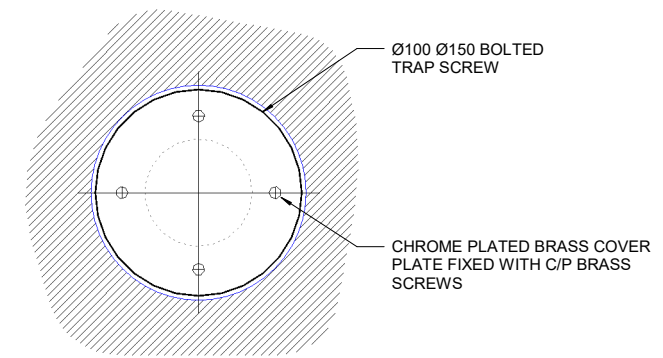
Hot Water Schematic

N.T.S

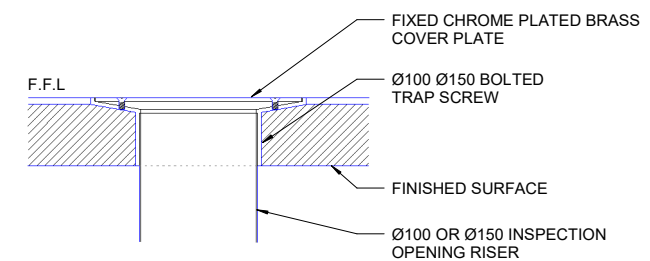


Thermostatic Mixing Valve

N.T.S



PLAN

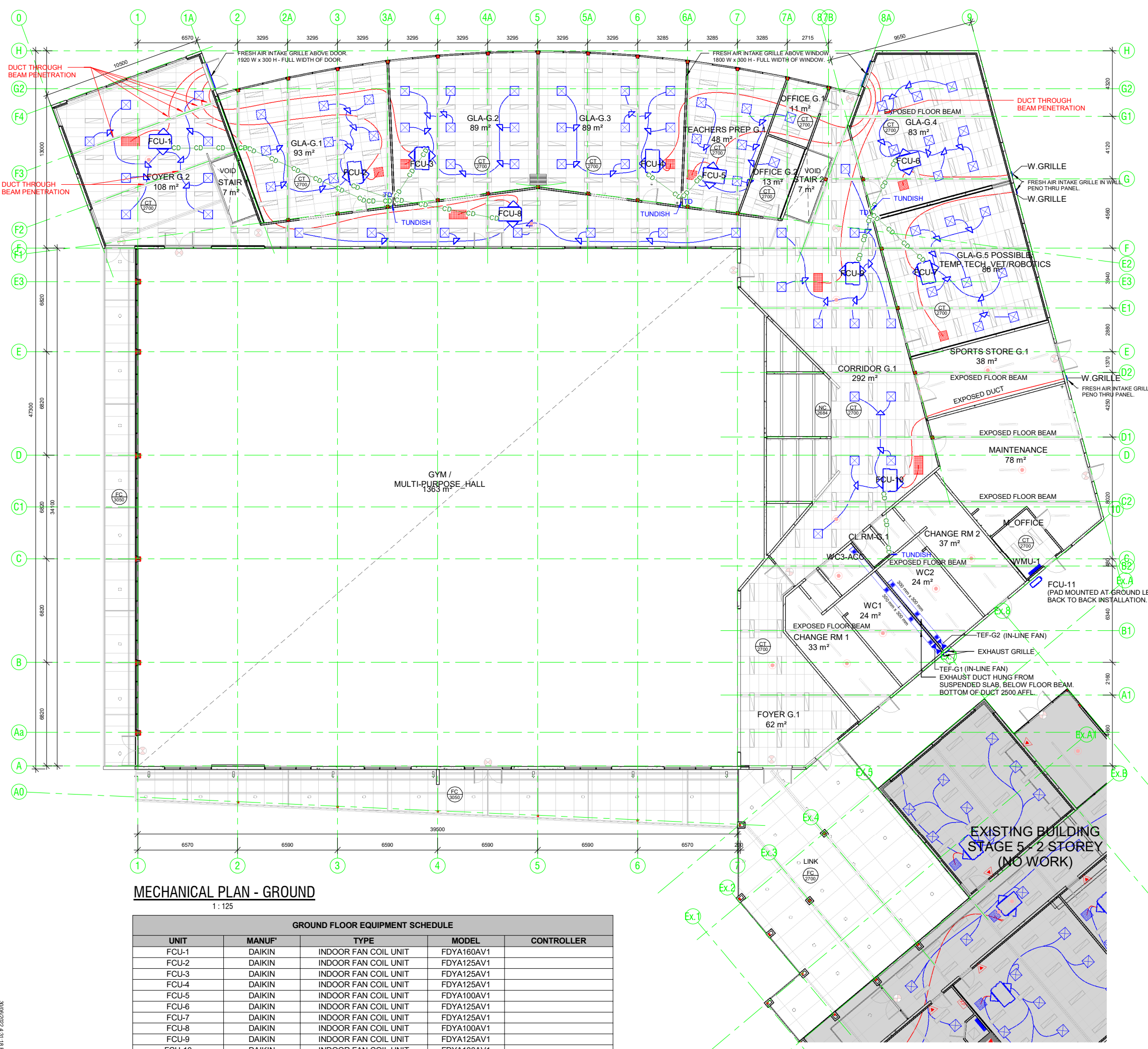


SECTION

Internal Inspection Cover Detail

N.T.S

1	Issued for Building Rules Consent	30/06/22
Issue	Amendments	Date
Project		
BCCC Stage 6 - Gym + GLA		
14 Boucaut Avenue, Blakeview. S.A. 5144		
Drawing		
HYDRAULIC DETAILS		
TONKIN design		
SCHUTZ build		
16-22 Erudina Ave, Edwardstown S.A. 5039		
Ph (08) 8277 0111		
Fax (08) 8277 2255		
Commercial - Industrial - Domestic		
Date :	09/03/22	
Drawn :		
Scale :	As indicated (@ A1) or (@ A3)	
Project Number :	0419	
© COPYRIGHT Drawing Number :	H08.1	



LEGEND

- 600x600 Supply Air Register
- 600x600 Return Air Register
- 1200x600 Return Air Register
- 300x300 Fresh Air Register
- R2.0 Ductair flexible ducting
- R2.0 Ductair flexible ducting for fresh air
- R2.0 Ductair flexible ducting for toilet exhaust fans
- CD Drain from unit to Tundish
- RF Cabling from indoor units to outdoor units
- Tundish
- CT Ceiling Type
- 2700 Height Above Floor
- CT Mineral Tile on T-bar grid system
- PT Plasterboard tiles on T-bar grid system
- FPB Flush Plasterboard
- FC 9mm Fibre Cement Sheet with expressed joints
- RAK Raking ceiling
- NC No Ceiling

NOTES:

Reverse cycle airconditioning to rooms to AS1688.2

Provide fresh air and ventilation to requirements to rooms by the provision of operable windows or the installation of a mechanical ventilation system conforming to AS1688.2 and AS3666

Note:
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Final design by Mechanical Contractor.
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All A/C unit sizes to be designed and verified by Contractor to be suitable for the intended use and space.

MECHANICAL PLAN - GROUND
1:125

GROUND FLOOR EQUIPMENT SCHEDULE				
UNIT	MANUF*	TYPE	MODEL	CONTROLLER
FCU-1	DAIKIN	INDOOR FAN COIL UNIT	FDYA160AV1	
FCU-2	DAIKIN	INDOOR FAN COIL UNIT	FDYA125AV1	
FCU-3	DAIKIN	INDOOR FAN COIL UNIT	FDYA125AV1	
FCU-4	DAIKIN	INDOOR FAN COIL UNIT	FDYA125AV1	
FCU-5	DAIKIN	INDOOR FAN COIL UNIT	FDYA100AV1	
FCU-6	DAIKIN	INDOOR FAN COIL UNIT	FDYA125AV1	
FCU-7	DAIKIN	INDOOR FAN COIL UNIT	FDYA125AV1	
FCU-8	DAIKIN	INDOOR FAN COIL UNIT	FDYA100AV1	
FCU-9	DAIKIN	INDOOR FAN COIL UNIT	FDYA125AV1	
FCU-10	DAIKIN	INDOOR FAN COIL UNIT	FDYA100AV1	
WMU-1	Daikin	INDOOR WALL MOUNTED UNIT	FTXV20WVMA	

2 Issued for Building Rules Consent 30/06/22
 1 Prelim Issue for Review 20/05/22
 Issue Amendments Date

Project
BCCC Stage 6 - Gym + GLA
 14 Boucaut Avenue, Blakeview, S.A. 5144

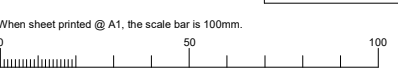
Drawing
GROUND FLOOR MECHANICAL PLAN

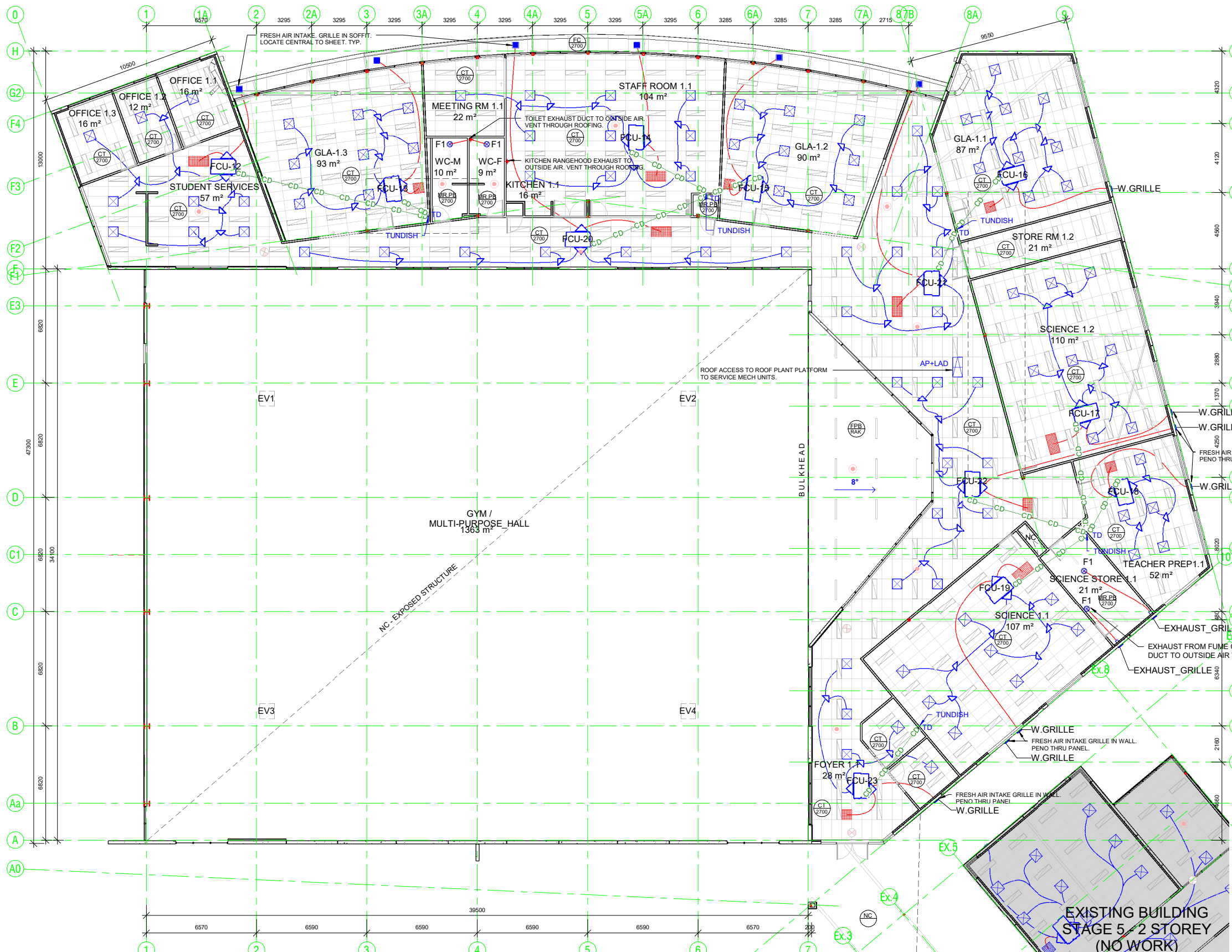
TONKIN design
SCHUTZ build

16-22 Erudina Ave, Edwardstown S.A. 5039
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 Fax (08) 8277 2255
 Commercial - Industrial - Domestic

Date: 20/05/22
 Drawn: _____
 Scale: As indicated (@ A1) or (@ A3)
 Project Number: 0419

© COPYRIGHT Drawing Number: **M01.2**
 Contractors must verify all dimensions at the job before commencing work or making shop drawings.





MECHANICAL PLAN - FIRST FLOOR

1:125

FIRST FLOOR EQUIPMENT SCHEDULE				
UNIT	MANUF	TYPE	MODEL	CONTROLLER
FCU-12	DAIKIN	INDOOR FAN COIL UNIT	FDYA140AV1	
FCU-13	DAIKIN	INDOOR FAN COIL UNIT	FDYA125AV1	
FCU-14	DAIKIN	INDOOR FAN COIL UNIT	FDYQ180LCV1	
FCU-15	DAIKIN	INDOOR FAN COIL UNIT	FDYA125AV1	
FCU-16	DAIKIN	INDOOR FAN COIL UNIT	FDYA125AV1	
FCU-17	DAIKIN	INDOOR FAN COIL UNIT	FDYA160AV1	
FCU-18	DAIKIN	INDOOR FAN COIL UNIT	FDYA71AV1	
FCU-19	DAIKIN	INDOOR FAN COIL UNIT	FDYA160AV1	
FCU-20	DAIKIN	INDOOR FAN COIL UNIT	FDYA100AV1	
FCU-21	DAIKIN	INDOOR FAN COIL UNIT	FDYA125AV1	
FCU-22	DAIKIN	INDOOR FAN COIL UNIT	FDYA100AV1	
FCU-23	DAIKIN	INDOOR FAN COIL UNIT	FDYA100AV1	

- LEGEND**
- 600x600 Supply Air Register
 - 600x600 Return Air Register
 - 1200x600 Return Air Register
 - 300x300 Fresh Air Register
 - R2.0 Ductair flexible ducting
 - R2.0 Ductair flexible ducting for fresh air
 - R2.0 Ductair flexible ducting for toilet exhaust fans
 - Drain from unit to Tundish
 - Cabling from indoor units to outdoor units
 - Tundish
 - Ceiling Type
 - Height Above Floor
 - Mineral Tile on T-bar grid system
 - Plasterboard tiles on T-bar grid system
 - Flush Plasterboard
 - 9mm Fibre Cement Sheet with expressed joints
 - Raking ceiling
 - No Ceiling

NOTES:

Reverse cycle airconditioning to rooms to AS1688.2

Provide fresh air and ventilation to requirements to rooms by the provision of openable windows or the installation of a mechanical ventilation system conforming to AS1688.2 and AS3666

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2 Issued for Building Rules Consent 30/06/22
 1 Prelim Issue for Review 20/05/22
 Issue Amendments Date
 Project
 BCCC Stage 6 - Gym + GLA
 14 Boucaut Avenue, Blakeview. S.A. 5144

Drawing
FIRST FLOOR MECHANICAL PLAN

TONKIN design
SCHUTZ build

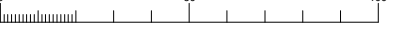
16-22 Erudina Ave, Edwardstown S.A. 5039
 Ph (08) 8277 0111
 Fax (08) 8277 2255
 Commercial - Industrial - Domestic

Date: 20/05/22
 Drawn: _____
 Scale: As indicated (@ A1) or (@ A3)
 Project Number: 0419

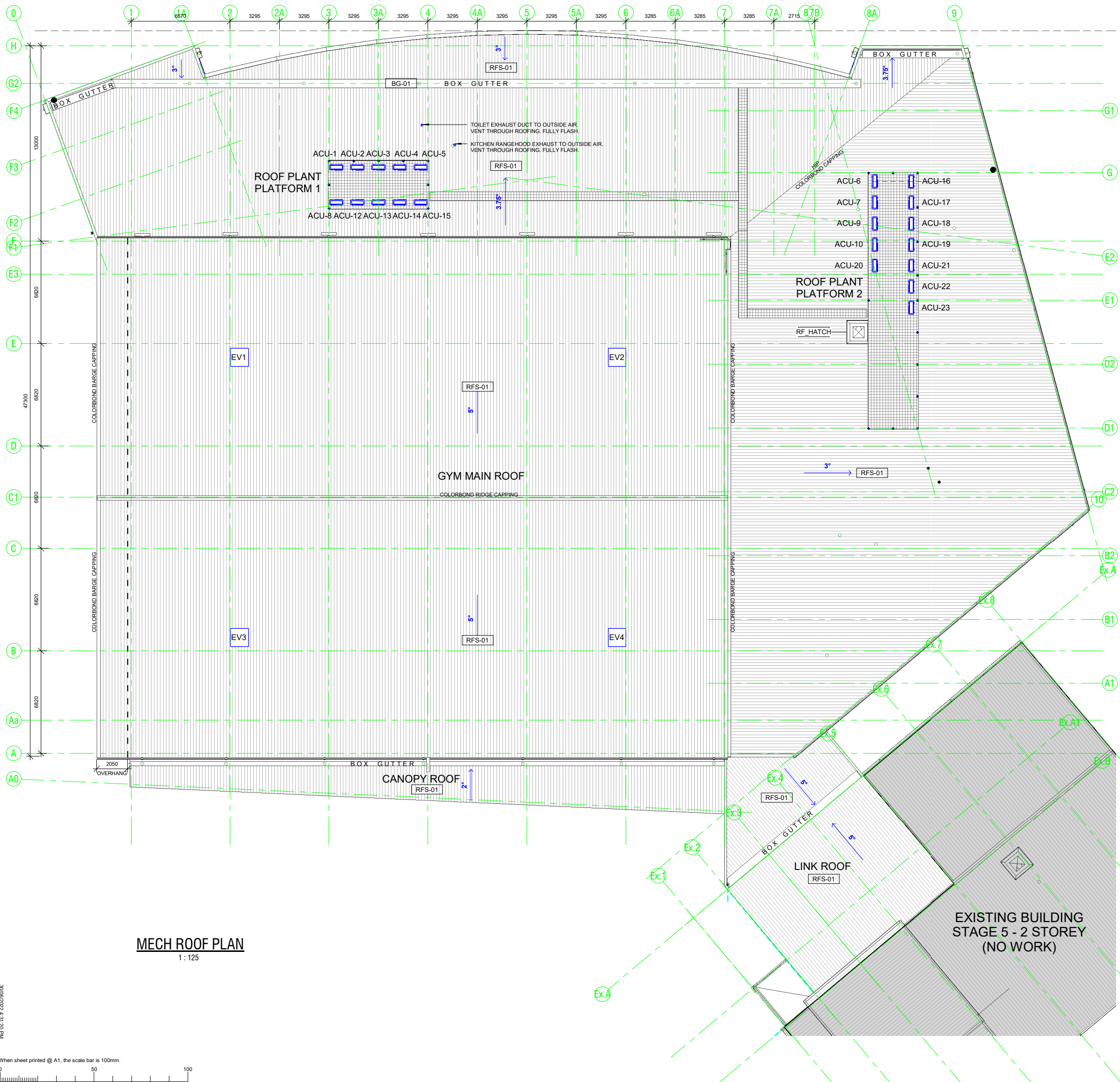
© COPYRIGHT Drawing Number: **M02.2**
 Contractors must verify all dimensions at the job before commencing work or making shop drawings.

Pld 61-1617 2023/2006

When sheet printed @ A1, the scale bar is 100mm.



Not for Construction until approved by Statutory Authorities before commencing work or making shop drawings.



LEGEND

- 600x600 Supply Air Register
- 600x600 Return Air Register
- 1200x600 Return Air Register
- 300x300 Fresh Air Register
- R2.0 Ductair flexible ducting
- R2.0 Ductair flexible ducting for fresh air
- R2.0 Ductair flexible ducting for toilet exhaust fans
- CD Drain from unit to Tundish
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- Tundish
- CT Ceiling Type
- 2700 Height Above Floor
- CT Mineral Tile on T-bar grid system
- PT Plasterboard tiles on T-bar grid system
- FPB Flush Plasterboard
- FC 9mm Fibre Cement Sheetting with expressed joints.
- RAK Raking ceiling.
- NC No Ceiling

NOTES:

Reverse cycle airconditioning to rooms to AS1688.2

Provide fresh air and ventilation to requirements to rooms by the provision of openable windows or the installation of a mechanical ventilation system conforming to AS1688.2 and AS3666

Note:
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Final design by Mechanical Contractor.
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ROOF EQUIPMENT SCHEDULE				
UNIT	MANUF'	TYPE	MODEL	CONTROLLER
ACU-1	Daikin	OUTDOOR CONDENSER	RZAS160CV1	
ACU-2	Daikin	OUTDOOR CONDENSER	RZAS125CV1	
ACU-3	Daikin	OUTDOOR CONDENSER	RZAS125CV1	
ACU-4	Daikin	OUTDOOR CONDENSER	RZAS125CV1	
ACU-5	Daikin	OUTDOOR CONDENSER	RZAS100CV1	
ACU-6	Daikin	OUTDOOR CONDENSER	RZAS125CV1	
ACU-7	Daikin	OUTDOOR CONDENSER	RZAS125CV1	
ACU-8	Daikin	OUTDOOR CONDENSER	RZAS100CV1	
ACU-9	Daikin	OUTDOOR CONDENSER	RZAS125CV1	
ACU-10	Daikin	OUTDOOR CONDENSER	RZAS100CV1	
ACU-12	Daikin	OUTDOOR CONDENSER	RZAS140CV1	
ACU-13	Daikin	OUTDOOR CONDENSER	RZAS125CV1	
ACU-14	Daikin	OUTDOOR CONDENSER	RZYQ7TY1	
ACU-15	Daikin	OUTDOOR CONDENSER	RZAS125CV1	
ACU-16	Daikin	OUTDOOR CONDENSER	RZAS125CV1	
ACU-17	Daikin	OUTDOOR CONDENSER	RZAS160CV1	
ACU-18	Daikin	OUTDOOR CONDENSER	RZAS71CV1	
ACU-19	Daikin	OUTDOOR CONDENSER	RZAS160CV1	
ACU-20	Daikin	OUTDOOR CONDENSER	RZAS100CV1	
ACU-21	Daikin	OUTDOOR CONDENSER	RZAS125CV1	
ACU-22	Daikin	OUTDOOR CONDENSER	RZAS100CV1	
ACU-23	Daikin	OUTDOOR CONDENSER	RZAS100CV1	
EV1	Seeley Int.	Climate Wizard	CW-H15S Plus	
EV2	Seeley Int.	Climate Wizard	CW-H15S Plus	
EV3	Seeley Int.	Climate Wizard	CW-H15S Plus	
EV4	Seeley Int.	Climate Wizard	CW-H15S Plus	
FCU-11	Daikin	OUTDOOR CONDENSER	RXV20WVMA	

MECH ROOF PLAN
1:125

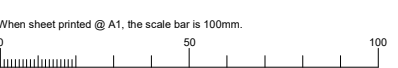
ROOF MECHANICAL PLAN

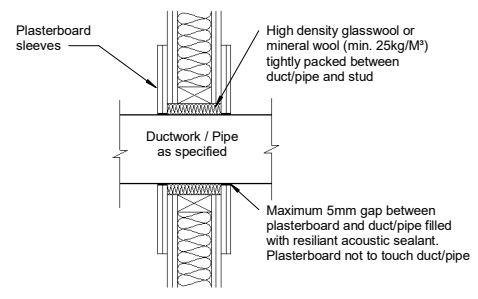
TONKIN design
SCHUTZ build

16-22 Erudina Ave, Edwardstown S.A. 5039
Ph (08) 8277 0111
Fax (08) 8277 2255
Commercial - Industrial - Domestic

Date: 20/05/22
Drawn: [Signature]
Scale: As indicated (@ A1) or (@ A3)
Project Number: 0419

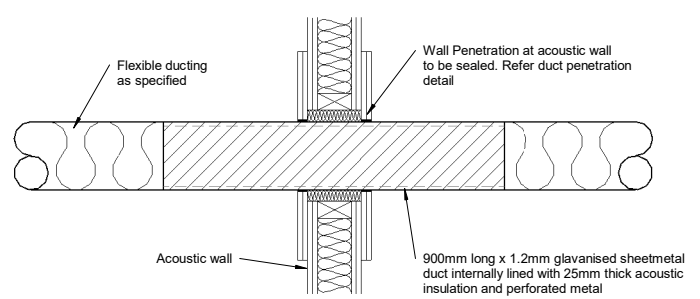
© COPYRIGHT Drawing Number: **M03.2**
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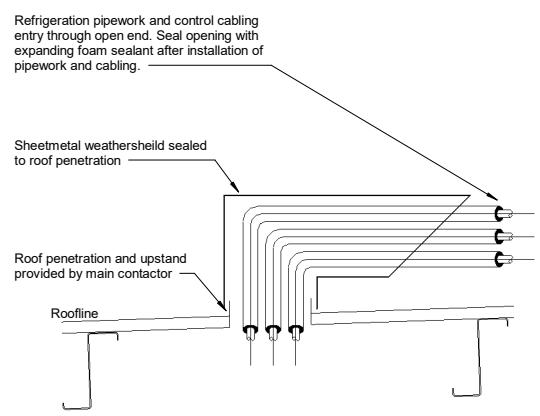
Not To Scale

Duct/Pipe Penetration through lightweight acoustic wall



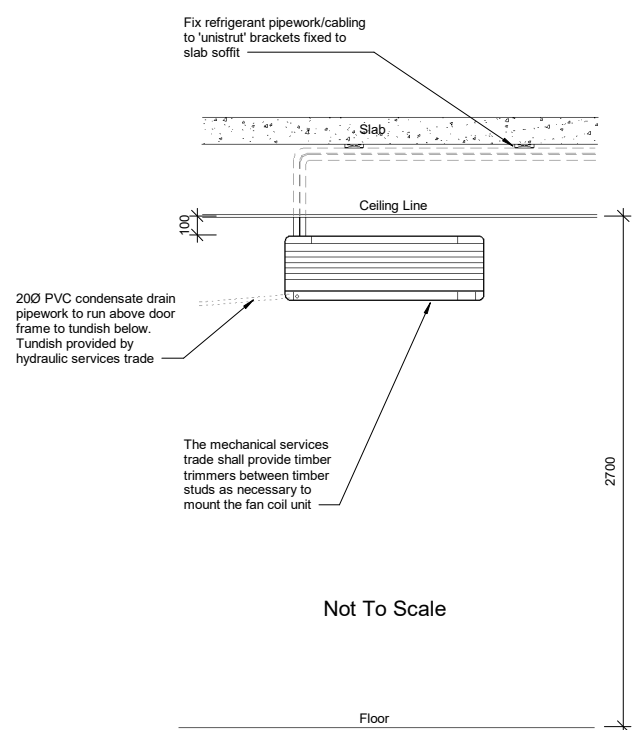
Not To Scale

Flexible Duct Penetration through lightweight acoustic wall



Not To Scale

Typical Penetration Detail for Refrigeration pipework through roof decking



Not To Scale

Typical Wall split FCU detail

1	Prelim Issue for Review	20/05/22
Issue	Amendments	Date
Project		
BCCC Stage 6 - Gym + GLA		
14 Boucaut Avenue, Blakeview. S.A. 5144		
Drawing		
MECHANICAL DETAILS		
TONKIN design		
SCHUTZ build		
16-22 Erudina Ave, Edwardstown S.A. 5039		
Ph (08) 8277 0111		
Fax(08) 8277 2255		
Commercial - Industrial - Domestic		
Date :		
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Scale :	As indicated (@ A1) or (@ A3)	
Project Number :	0419	
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30/05/2022 4:31:21 PM

