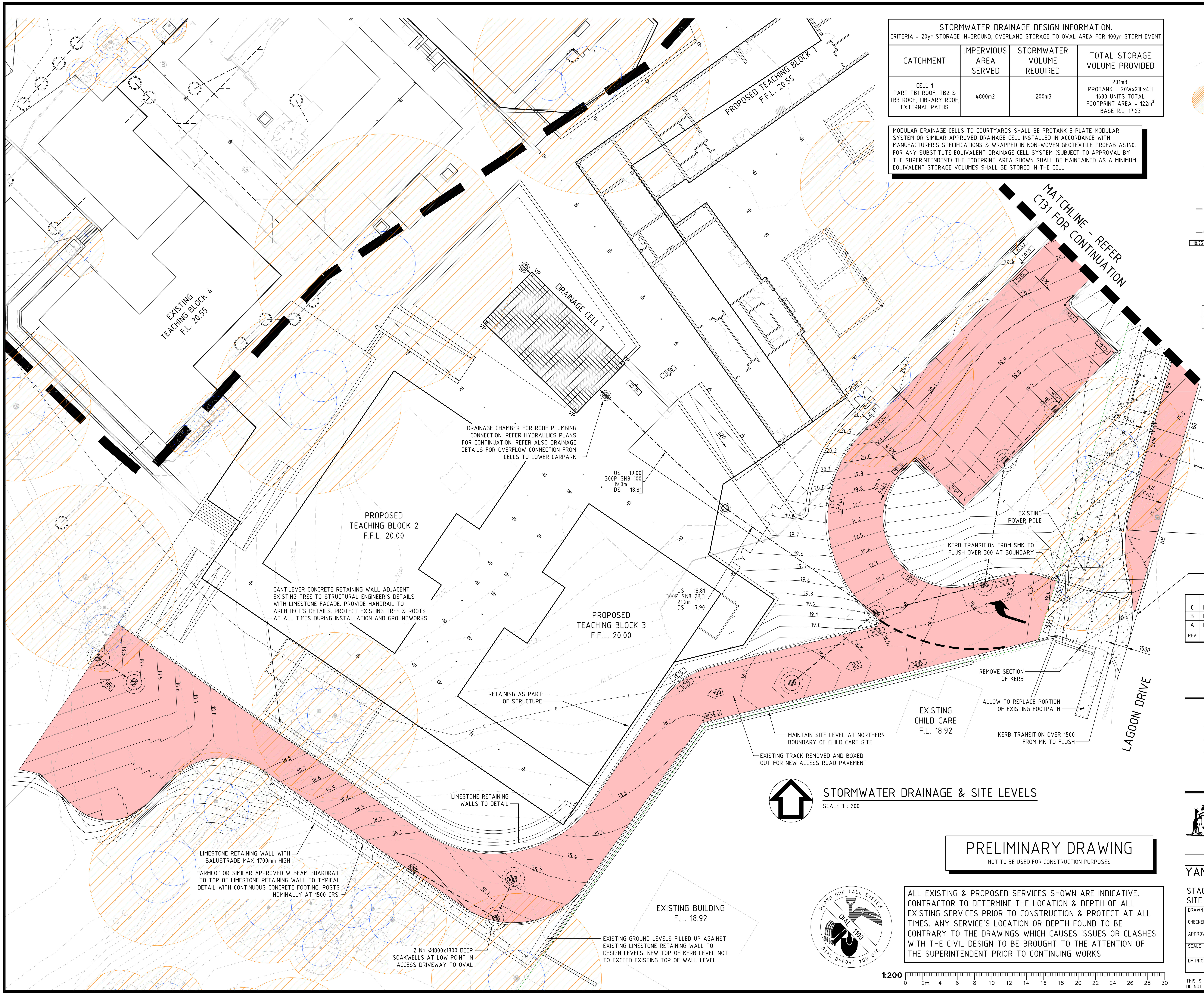

STORMWATER DRAINAGE DESIGN INFORMATION.

CRITERIA – 20yr STORAGE IN-GROUND, OVERLAND STORAGE TO OVAL AREA FOR 100yr STORM EVENT

CATCHMENT	IMPERVIOUS AREA SERVED	STORMWATER VOLUME REQUIRED	TOTAL STORAGE VOLUME PROVIDED
CELL 1 PART TB1 ROOF, TB2 & TB3 ROOF, LIBRARY ROOF, EXTERNAL PATHS	4800m2	200m3	201m3. PROTANK – 20Wx21Lx4H 1680 UNITS TOTAL FOOTPRINT AREA – 122m^2 BASE R.L. 17.23

MODULAR DRAINAGE CELLS TO COURTYARDS SHALL BE PROTANK 5 PLATE MODULAR SYSTEM OR SIMILAR APPROVED DRAINAGE CELL INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS & WRAPPED IN NON-WOVEN GEOTEXTILE PROFAB AS140. FOR ANY SUBSTITUTE EQUIVALENT DRAINAGE CELL SYSTEM (SUBJECT TO APPROVAL BY THE SUPERINTENDENT) THE FOOTPRINT AREA SHOWN SHALL BE MAINTAINED AS A MINIMUM. EQUIVALENT STORAGE VOLUMES SHALL BE STORED IN THE CELL.

LEGEND

- EXISTING CONTOUR LEVELS FROM SURVEY INFORMATION. (0.25m INTERVALS)
- TREE PROTECTION ZONE. REFER TREE SURVEY
- TREE STRUCTURAL ROOT ZONE. REFER TREE SURVEY
- 19.86 PROPOSED FINISHED SURFACE LEVEL
- 18.64ex EXISTING FINISHED SURFACE LEVEL FROM SURVEY INFORMATION
- 100 OVERLAND FLOW PATH ARROW
- PROPOSED STORMWATER DRAINAGE PIPE
- 18.75 Ø1800x1800 D SOAKWELLS INTER CONNECTED WITH 150P SN8 PIPE. LEVEL SHOWN TO BE CENTRE OF THE GRATE.
- ACCESS CHAMBER WITH IN-FILL CONCRETE LID. STYLE & FINISH TO MATCH LANDSCAPE.
- US 66.95 UPSTREAM INVERT LEVEL
- 300-2-28 PIPE DIA-CLASS-GRADE
- 13.9m DISTANCE BETWEEN PIT CENTRES
- DS 66.46 DOWNSTREAM INVERT LEVEL

BUILDER TO LIAISE WITH PTA DURING CONSTRUCTION. ALLOW FOR BLOCKOUTS IN SLAB PAVING FOR ALLOW PTA SIGNAGE ETC STRICTLY TO PTA REQUIREMENTS.

- PROVIDE 170 HIGH BARRIER KERB TO BOARDING AREA TO PTA REQUIREMENTS
- ALLOW TO REMOVE EXISTING MOUNTABLE KERB & INSTALL BOND BEAM TO DETAILS. ALLOW TO MAKE GOOD LAGOON DRIVE SEAL AT INTERFACE WITH NEW KERBS. ALLOW TO RESEAL ALONG KERB EDGE AS REQUIRED
- KERB TRANSITION OVER 300
- EXISTING WATER MAIN CROSSING. HAND LOCATE ON SITE. TO BE PROTECTED AND MAINTAINED AT ALL TIMES.
- EXISTING ELECTRICAL CABLE TO REMAIN. REFER ELECTRICAL CONSULTANT'S DRAWINGS. EXACT LOCATION & DEPTH TO BE CONFIRMED.
- EXISTING PTA BUS STOP & SHELTER TO BE REMOVED
- REMOVE PORTION OF EXISTING KERB & EXISTING FOOTPATH FOR NEW CROSSOVER. PROVIDE 150 THK CONCRETE ON 0.2mm D.P.M. & 150 ROAD BASE , SL102 MESH TOP, 40 COVER. FOOTPATH TO TAKE PRIORITY

REV	DESCRIPTION	DATE	APP
C	ISSUED FOR DA	21.03.19	AC
B	ISSUED FOR INFORMATION	13.03.19	TB
A	ISSUED FOR DD	01.03.19	TB

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STORMWATER DRAINAGE & SITE LEVELS

SCALE 1 : 200

PRELIMINARY DRAWING

NOT TO BE USED FOR CONSTRUCTION PURPOSES

PERTH ONE CALL SYSTEM DIAL 1100 DIAL BEFORE YOU DIG

ALL EXISTING & PROPOSED SERVICES SHOWN ARE INDICATIVE. CONTRACTOR TO DETERMINE THE LOCATION & DEPTH OF ALL EXISTING SERVICES PRIOR TO CONSTRUCTION & PROTECT AT ALL TIMES. ANY SERVICE'S LOCATION OR DEPTH FOUND TO BE CONTRARY TO THE DRAWINGS WHICH CAUSES ISSUES OR CLASHES WITH THE CIVIL DESIGN TO BE BROUGHT TO THE ATTENTION OF THE SUPERINTENDENT PRIOR TO CONTINUING WORKS

1:200 0 2m 4 6 8 10 12 14 16 18 20 22 24 26 28 30

CIVIL

YANCHEP LAGOON PRIMARY SCHOOL

STAGE 1
SITE LEVELS & STORMWATER DRAINAGE – SHEET 1

DRAWN	AC	DESIGNED	TB	REDUCTION	0 25
CHECKED	ARW	PRINCIPAL			
APPROVED	LT				
SCALE 1 : 200		DATE NOVEMBER 2018		DRAWING No. C130	C
DF PROJ No. XXXXX		DF FILE No. XXXX/XXXXX			

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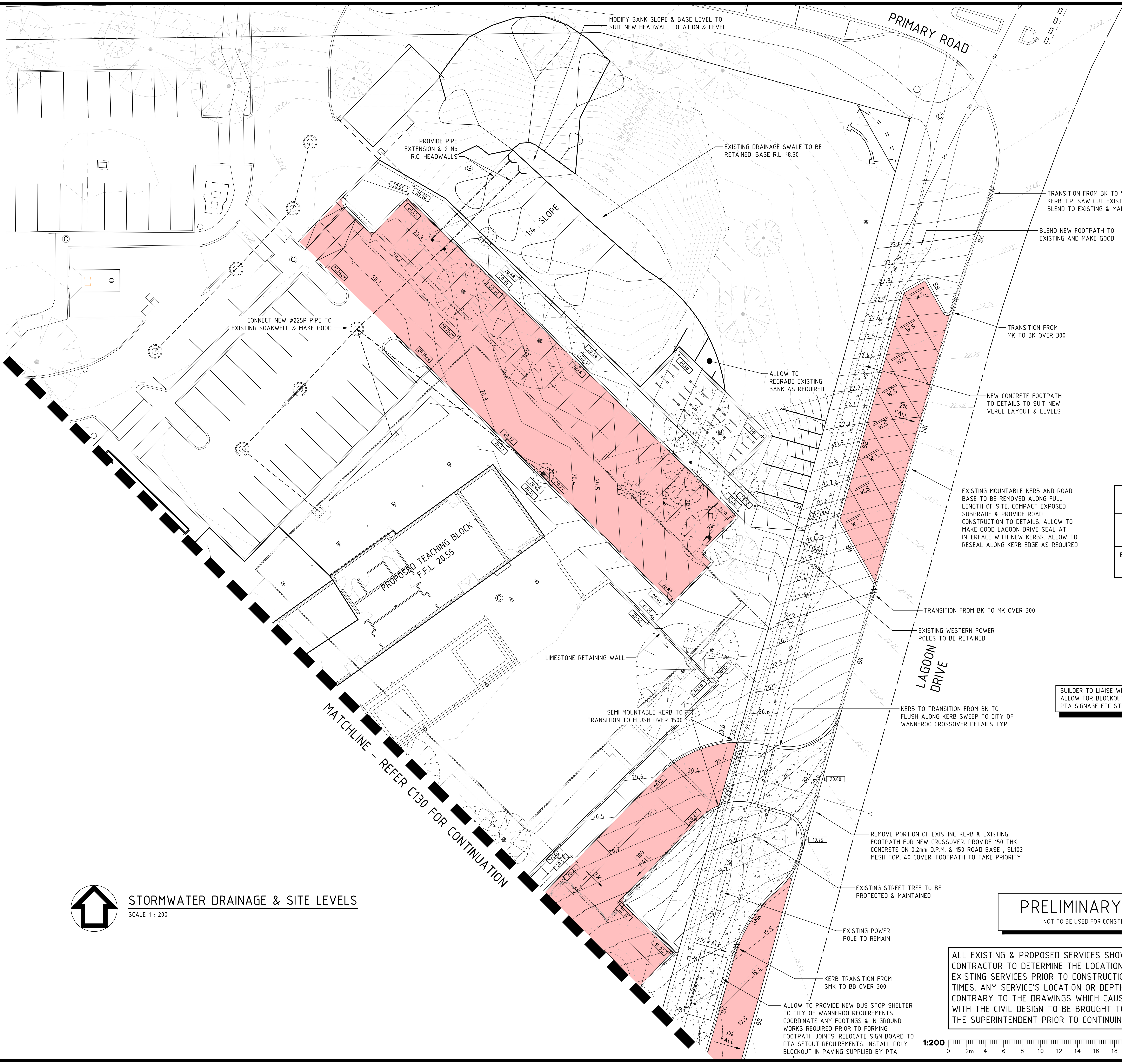

STORMWATER DRAINAGE & SITE LEVELS

SCALE 1 : 200

LEGEND

EXISTING CONTOUR LEVELS FROM SURVEY INFORMATION. (0.25m INTERVALS)

TREE PROTECTION ZONE. REFER TREE SURVEY

TREE STRUCTURAL ROOT ZONE. REFER TREE SURVEY

19.86 — PROPOSED FINISHED SURFACE LEVEL

21.39ex — EXISTING FINISHED SURFACE LEVEL FROM SURVEY INFORMATION

100 — OVERLAND FLOW PATH ARROW

PROPOSED STORMWATER DRAINAGE PIPE

Ø1800x1800 D SOAKWELLS INTER CONNECTED WITH 150P SN8 PIPE

ACCESS CHAMBER WITH IN-FILL CONCRETE LID. STYLE & FINISH TO MATCH LANDSCAPE.

W.S. — "SETON" OR SIMILAR APPROVED RUBBER WHEEL STOP INSTALLED TO MANUFACTURER'S REQUIREMENTS WITH YELLOW/BLACK CHEVRON MARKINGS

STORMWATER DRAINAGE DESIGN INFORMATION.
CRITERIA – 1m3/60m2 TO CITY OF WANNEROO GUIDELINES

CATCHMENT	IMPERVIOUS AREA SERVED	STORMWATER VOLUME REQUIRED	TOTAL STORAGE VOLUME PROVIDED
EXISTING CARPARK, NEW CARPARK EXTENSION, PART TB1 ROOF	5200m2	86.7m3	200m3. SWALE BASE R.L. 18.50. T.W.L. 19.70

REV	DESCRIPTION	DATE	APP
C	ISSUED FOR DA	21.03.19	AC
B	ISSUED FOR INFORMATION	13.03.19	TB
A	ISSUED FOR DD	01.03.19	TB

BUILDER TO LIAISE WITH PTA DURING CONSTRUCTION. ALLOW FOR BLOCKOUTS IN SLAB PAVING FOR ALLOW PTA SIGNAGE ETC STRICTLY TO PTA REQUIREMENTS.

PERTH ONE CALL SYSTEM DIAL 1100 DIAL BEFORE YOU DIG

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1:200 0 2m 4 6 8 10 12 14 16 18 20 22 24 26 28 30

CIVIL

YANCHEP LAGOON PRIMARY SCHOOL

STAGE 1
SITE LEVELS & STORMWATER DRAINAGE - SHEET 2

DRAWN	AC	DESIGNED	TB	REDUCTION 0 25
CHECKED	ARW	PRINCIPAL		
APPROVED	LT			
SCALE 1 : 200		DATE NOVEMBER 2018		DRAWING No. C131 C
DF PROJ No. XXXXX		DF FILE No. XXXX/XXXXX		

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BPA JOB No.S13818

DRAWING FILE No.

REV	DESCRIPTION	DATE	APP
C	ISSUED FOR DA	21.03.19	AC
B	ISSUED FOR INFORMATION	13.03.19	TB
A	ISSUED FOR DD	01.03.19	TB

LEGEND

EXISTING CONTOUR LEVELS FROM SURVEY INFORMATION. (0.25m INTERVALS)

TREE PROTECTION ZONE. REFER TREE SURVEY

TREE STRUCTURAL ROOT ZONE. REFER TREE SURVEY

19.86 PROPOSED FINISHED SURFACE LEVEL

21.39ex EXISTING FINISHED SURFACE LEVEL FROM SURVEY INFORMATION

PRIMARY ROAD ON-STREET PARKING

SCALE 1 : 200

PERTH ONE CALL SYSTEM DIAL 1100 DIAL BEFORE YOU DIG

PRELIMINARY DRAWING

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YANCHEP LAGOON PRIMARY SCHOOL

STAGE 1
PRIMARY ROAD ON-STREET PARKING

DRAWN	AC	DESIGNED	TB	REDUCTION 0 25
CHECKED	ARW	PRINCIPAL		
APPROVED	LT			
SCALE 1 : 200		DATE NOVEMBER 2018		DRAWING No. C132 C
DF PROJ No. XXXXX		DF FILE No. XXXX/XXXXX		

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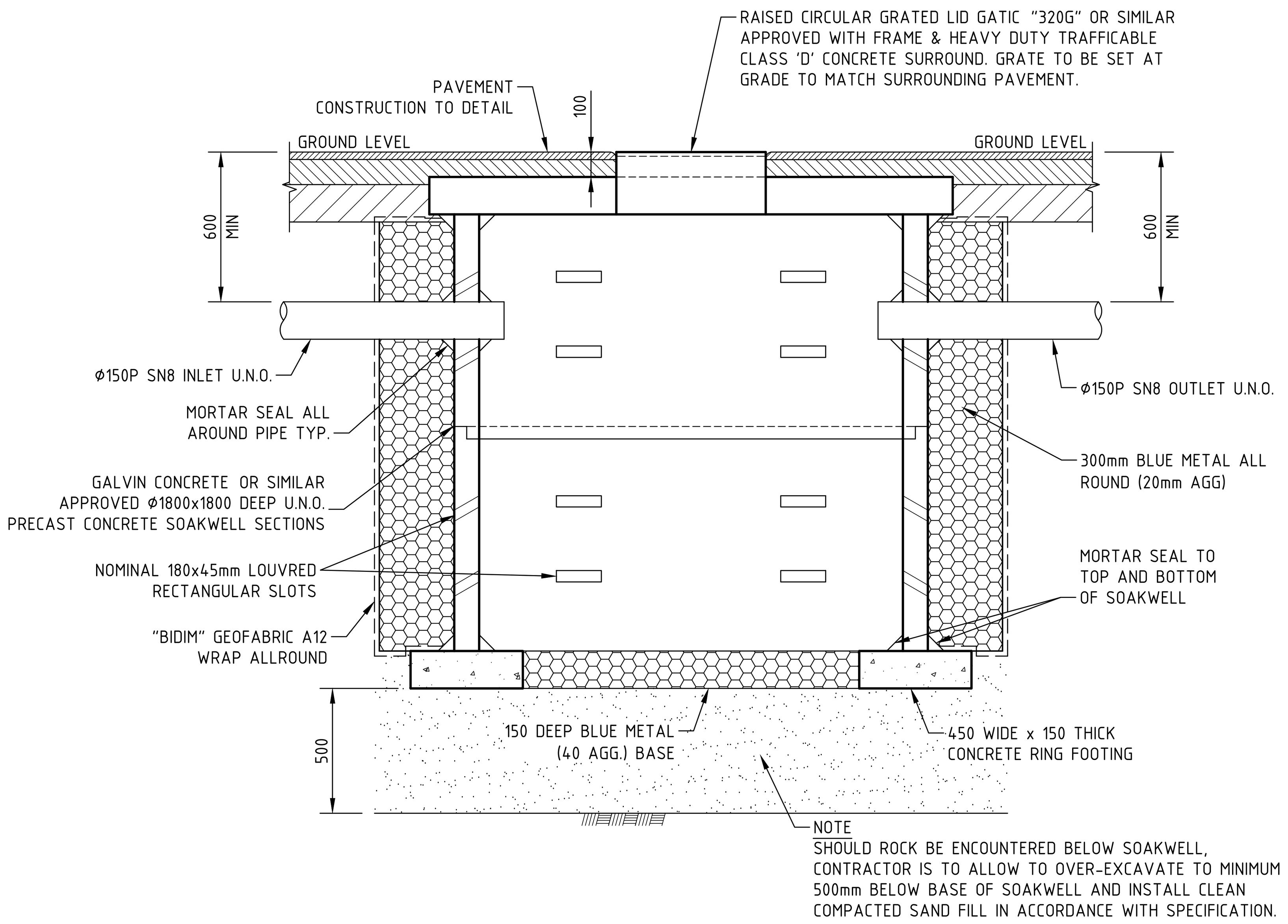
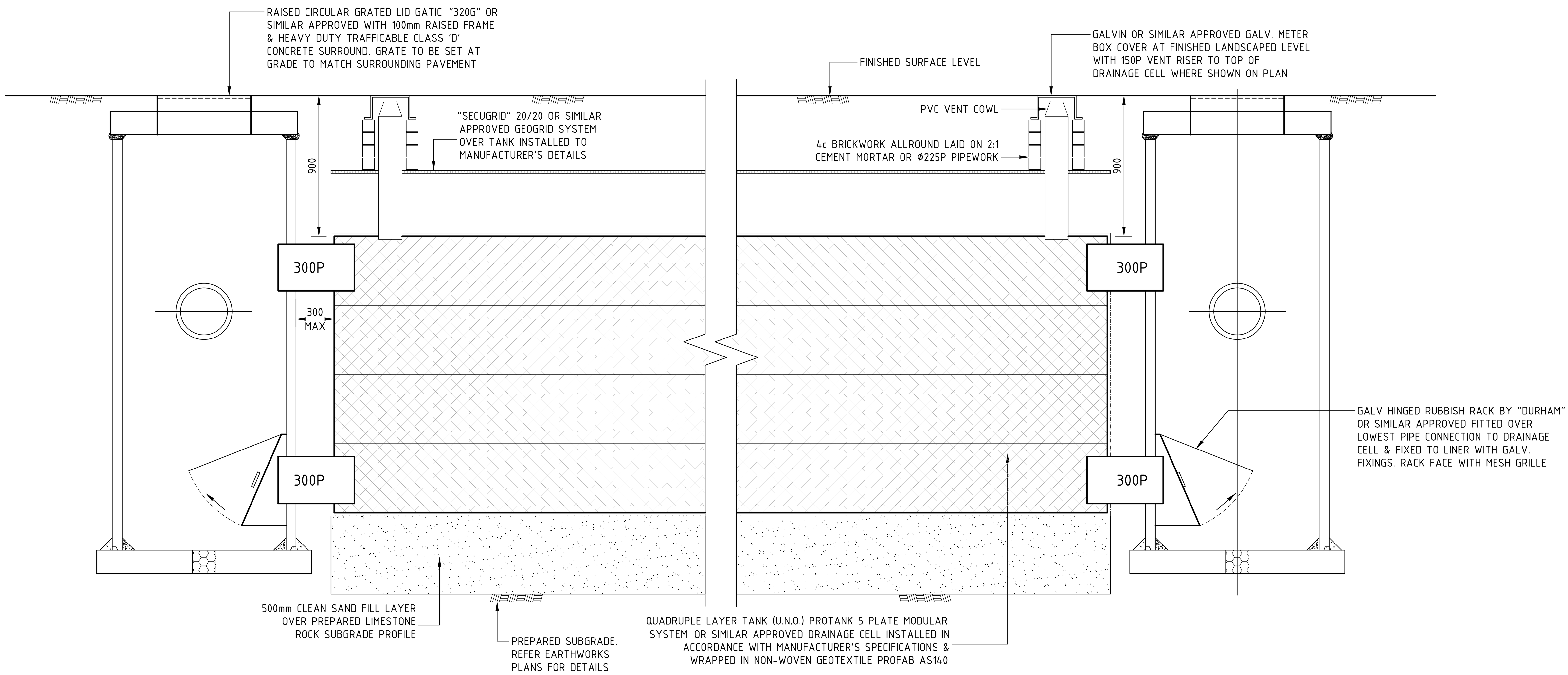


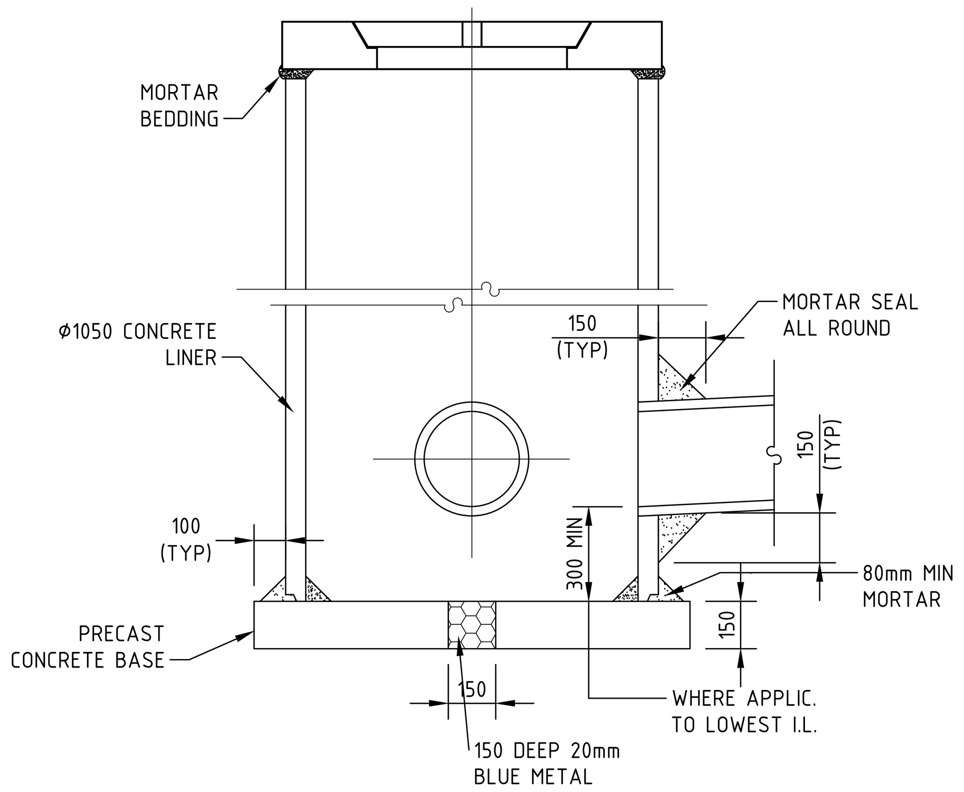
TYPICAL SOAKWELL DETAIL

SCALE 1 : 20



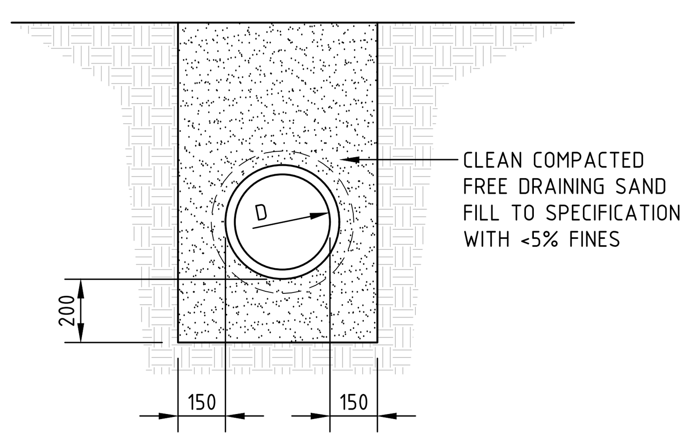
MODULAR DRAINAGE CELL DETAILS

SCALE 1 : 20



STD LINER TRAPPED MANHOLE

SCALE 1 : 20



PIPE BEDDING DETAILS

N.T.S.

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B	ISSUED FOR DA	21.03.19	AC
A	ISSUED FOR DD	01.03.19	TB

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STANDARD DETAILS - STORMWATER DRAINAGE

DRAWN	TB	DESIGNED	TB	REDUCTION 0 25
CHECKED	ARW	PRINCIPAL		
APPROVED	LT			
SCALE AS SHOWN		DATE NOVEMBER 2018		DRAWING No. C151 B
DF PROJ No. XXXXX		DF FILE No. XXXX/XXXXX		

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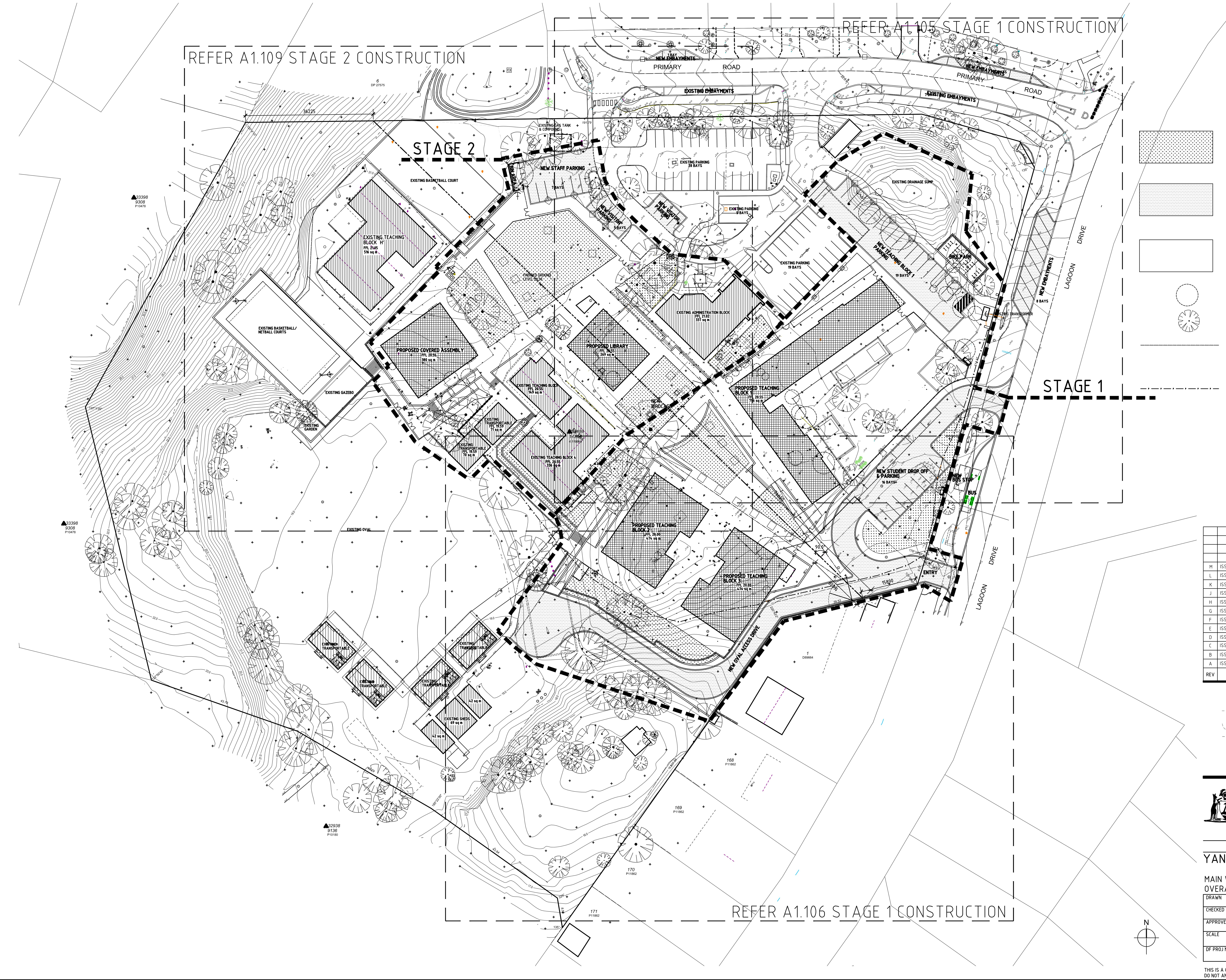

REV	DESCRIPTION	DATE	APP
M	ISSUED TO CONSULTANTS	20/03/19	CG
L	ISSUED FOR DEVELOPMENT APPLICATION STAGES 1 & 2	11/03/19	CG
K	ISSUED TO CONSULTANTS	07/03/19	CG
J	ISSUED FOR DEVELOPMENT APPLICATION STAGES 1 & 2	05/03/19	CG
H	ISSUED TO CONSULTANTS	25/02/19	CG
G	ISSUED TO CONSULTANTS	08/02/19	CG
F	ISSUED FOR SCHEMATIC DESIGN REVIEW	29/01/19	CG
E	ISSUED TO CONSULTANTS	24/01/19	CG
D	ISSUED TO CONSULTANTS	21/01/19	CG
C	ISSUED TO CONSULTANTS	18/01/19	CG
B	ISSUED TO CONSULTANTS	18/12/18	CG
A	ISSUED TO CONSULTANTS	10/12/18	CG

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YANCHEP LAGOON PRIMARY SCHOOL

MAIN WORKS
OVERALL SITE PLAN COMPLETE WORKS STAGE 1 & 2

DRAWN INITS GA	DESIGNED NAME PL		REDUCTION 0 25
CHECKED INITS CG	PRINCIPAL SIGNATURE		
APPROVED INITS PL			
SCALE 1:500	DATE 27/11/2018	DRAWING No. A1.101 M	
DF PROJ No. 14525	DF FILE No. 2019/01043		

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T&Z JOB No. 419007

DRAWING FILE No. YLPA1101A7.dwg

REV	DESCRIPTION	DATE	APP
D	ISSUED TO CONSULTANTS	20/03/19	CG
C	ISSUED FOR DEVELOPMENT APPLICATION STAGES 1 & 2	05/03/19	CG
B	ISSUED FOR SCHEMATIC DESIGN REVIEW	29/01/19	CG
A	ISSUED TO CONSULTANTS	18/01/19	CG

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YANCHEP LAGOON PRIMARY SCHOOL

MAIN WORKS
STAGE 1 CONSTRUCTION SITE PLAN PART 1

DRAWN INITS	GA	DESIGNED NAME	PL	REDUCTION 0 25
CHECKED INITS	CG	PRINCIPAL SIGNATURE		
APPROVED INITS	PL			
SCALE 1:250		DATE 27/11/2018		DRAWING No. A1.105 D
DF PROJ No. 14525		DF FILE No. 2019/01043		

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DRAWING FILE No. YLPA1105A6.dwg

EXISTING UNDERGROUND POWER CABLE

DENOTES SITE HOARDING

REV	DESCRIPTION	DATE	APP
D	ISSUED TO CONSULTANTS	20/03/19	CG
C	ISSUED FOR DEVELOPMENT APPLICATION STAGES 1 & 2	05/03/19	CG
B	ISSUED FOR SCHEMATIC DESIGN REVIEW	29/01/19	CG
A	ISSUED TO CONSULTANTS	18/01/19	CG

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YANCHEP LAGOON PRIMARY SCHOOL

MAIN WORKS
STAGE 1 CONSTRUCTION SITE PLAN PART 2

DRAWN INITS	GA	DESIGNED NAME	PL	REDUCTION 0 25
CHECKED INITS	CG	PRINCIPAL SIGNATURE		
APPROVED INITS	PL			
SCALE 1:250		DATE 27/11/2018		DRAWING No. A1.106 D
DF PROJ No. 14525		DF FILE No. 2019/01043		

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T&Z JOB No. 419007

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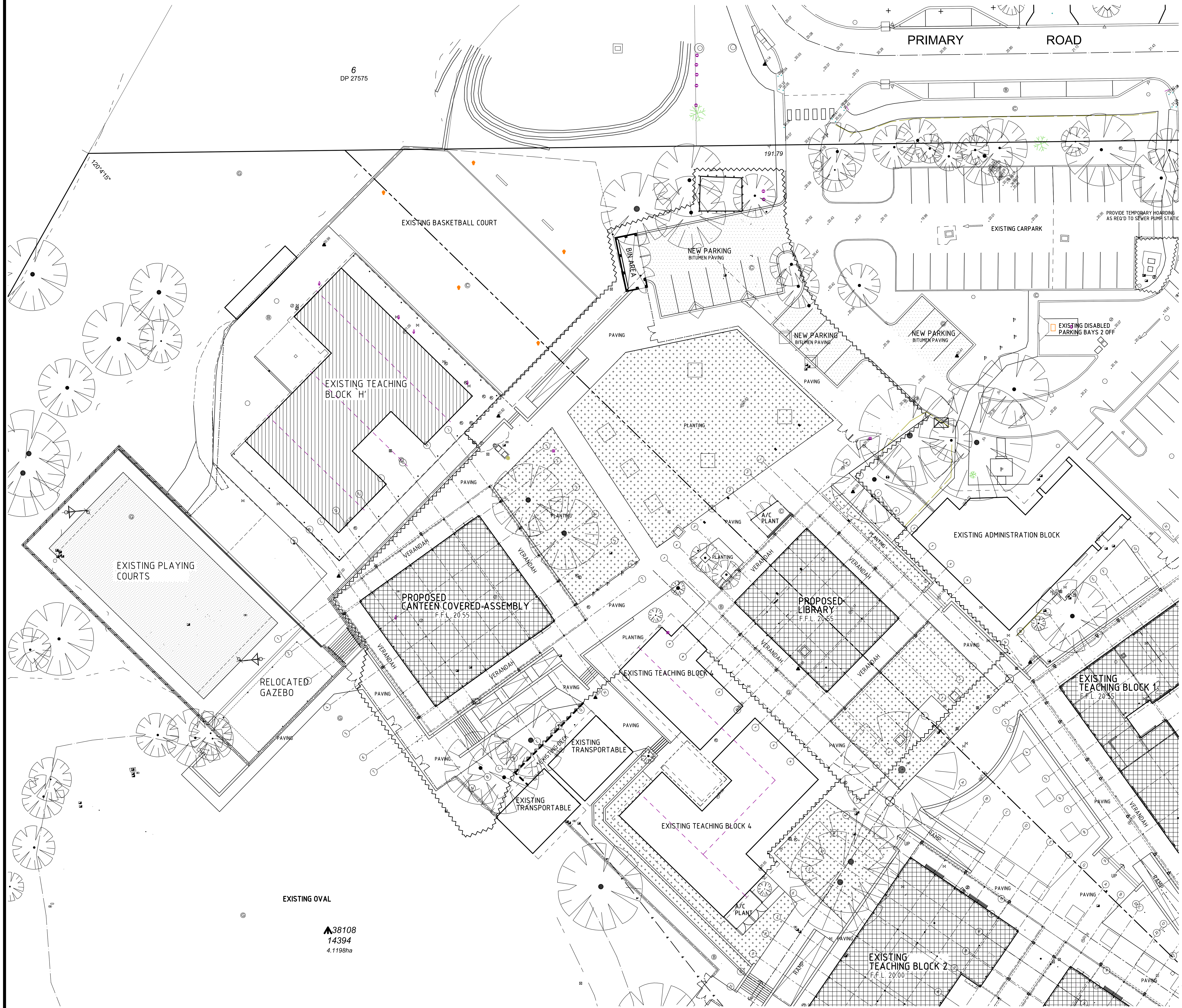

NOMINAL 2100 HIGH GARRISON FENCING AS SPECIFIED.
FLUSH CONCRETE KERB UNDER TO FULL EXTENT OF SOFT LANDSCAPING.
REFER TO KERB CIVIL DETAIL.

EXISTING UNDERGROUND POWER CABLE

DENOTES SITE HOARDING

REV	DESCRIPTION	DATE	APP
D	ISSUED TO CONSULTANTS	20/03/19	CG
C	ISSUED TO CONSULTANTS	07/03/19	CG
B	ISSUED FOR DEVELOPMENT APPLICATION STAGES 1 & 2	05/03/19	CG
A	ISSUED FOR SCHEMATIC DESIGN REVIEW	29/01/19	CG

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YANCHEP LAGOON PRIMARY SCHOOL

MAIN WORKS
STAGE 2 CONSTRUCTION SITE PLAN PART 1

DRAWN INITS GA	DESIGNED NAME PL	REDUCTION 0 25
CHECKED INITS CG	PRINCIPAL	
APPROVED INITS PL	SIGNATURE	
SCALE 1:250	DATE 27/11/2018	DRAWING No. A1.109 D
DF PROJ No. 14525	DF FILE No. 2019/01043	

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DRAWING FILE No. YLPA1109A6.dwg

REV	DESCRIPTION	DATE	APP
A	ISSUED FOR SCHEMATIC DESIGN REVIEW	29/01/19	CG

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YANCHEP LAGOON PRIMARY SCHOOL

MAIN WORKS
STAGE 2 CONSTRUCTION SITE PLAN PART 2

DRAWN INITS GA	DESIGNED NAME PL	REDUCTION 0 25	
CHECKED INITS CG	PRINCIPAL SIGNATURE		
APPROVED INITS PL			
SCALE 1:250	DATE 27/11/2018	DRAWING No. A1.110	A
DF PROJ No. 14525	DF FILE No. 2018/04656		

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T&Z JOB No. 419007

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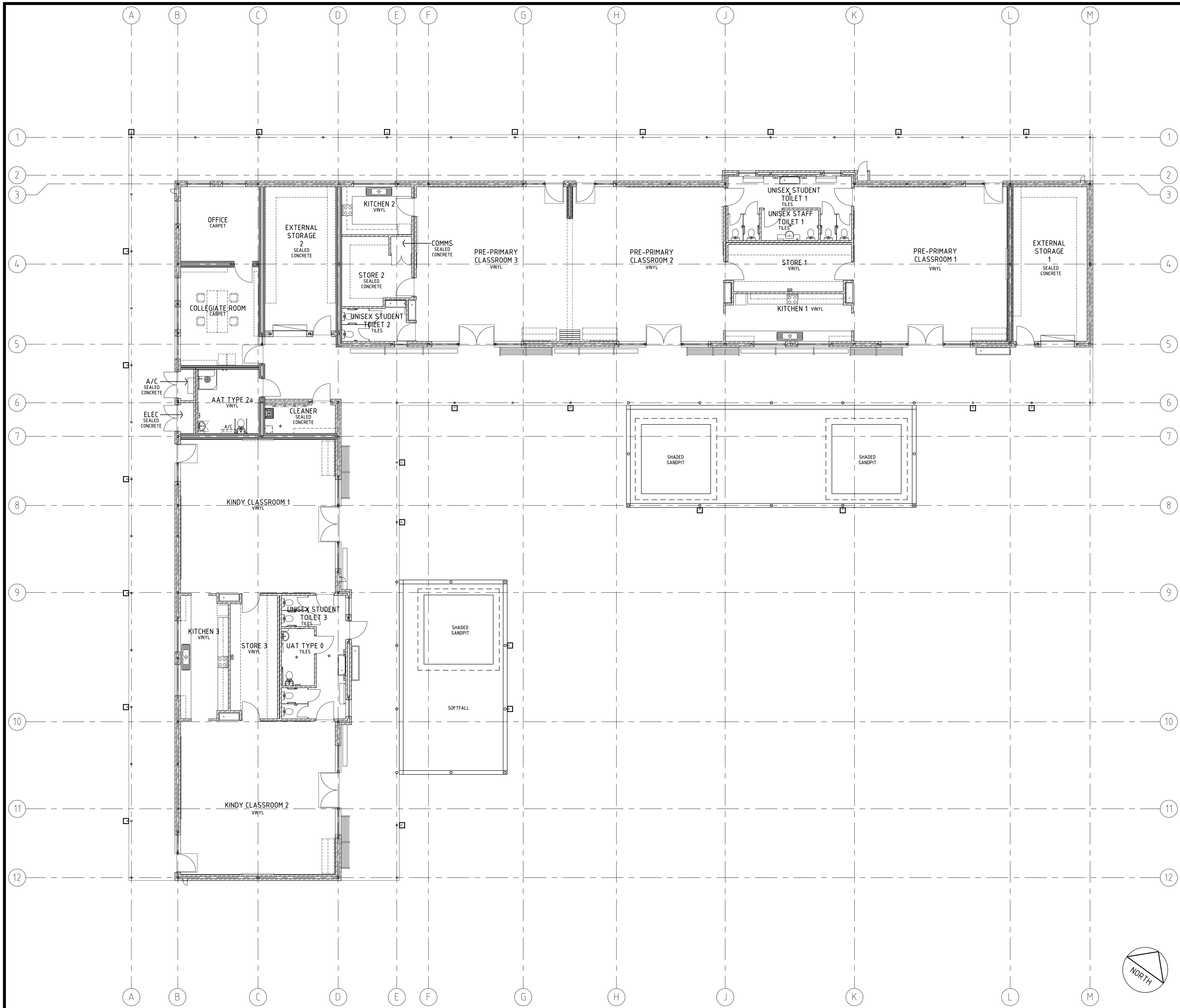

REV	DESCRIPTION	DATE	APP
G	ISSUED FOR DEVELOPMENT APPLICATION STAGES 1 & 2	05/03/19	CG
F	ISSUED TO CONSULTANTS	25/02/19	CG
E	ISSUED TO CONSULTANTS	08/02/19	CG
D	ISSUED FOR SCHEMATIC DESIGN REVIEW	29/01/19	CG
C	ISSUED TO CONSULTANTS	18/01/18	CG
B	ISSUED TO CONSULTANTS	18/12/18	CG
A	ISSUED TO CONSULTANTS	07/12/18	CG

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YANCHEP LAGOON PRIMARY SCHOOL

MAIN WORKS
TEACHING BLOCK 1 – FLOOR PLAN

DRAWN INITS	JW	DESIGNED NAME	PL	REDUCTION 0 25
CHECKED INITS	CG	PRINCIPAL SIGNATURE		
APPROVED INITS	PL			
SCALE 1:100		DATE 27/11/2018		DRAWING No. A2.201 G
DF PROJ No. 14525		DF FILE No. 2018/04656		

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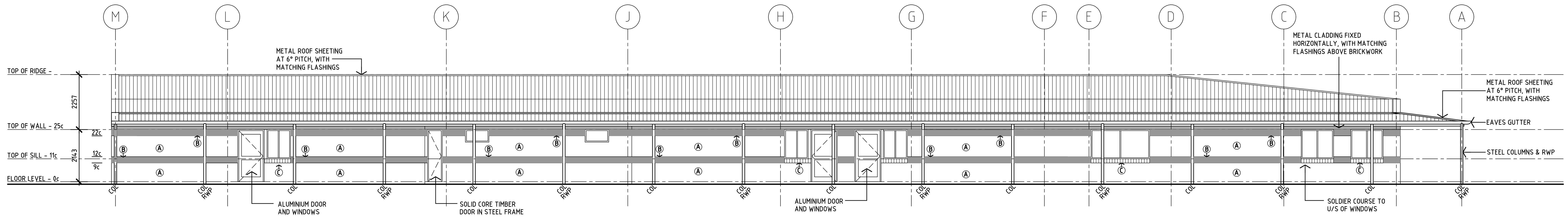
DRAWING FILE No. YLPA2201P5.dwg

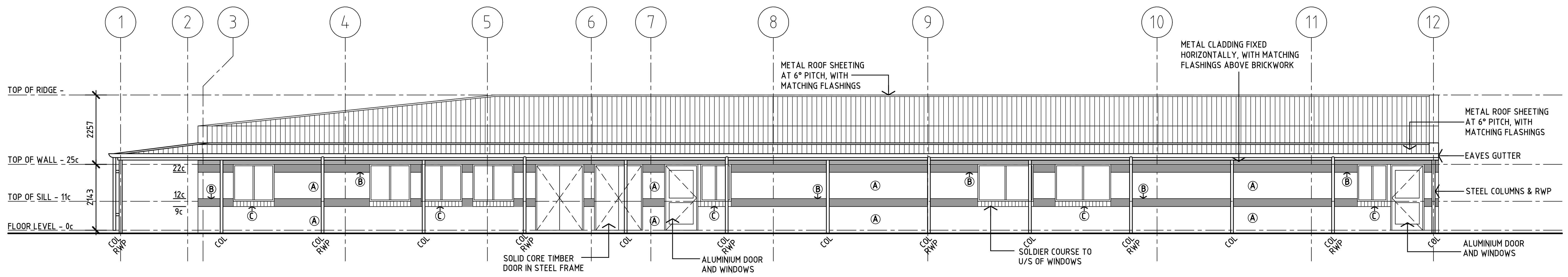


NORTH-WEST ELEVATION

SCALE 1:100

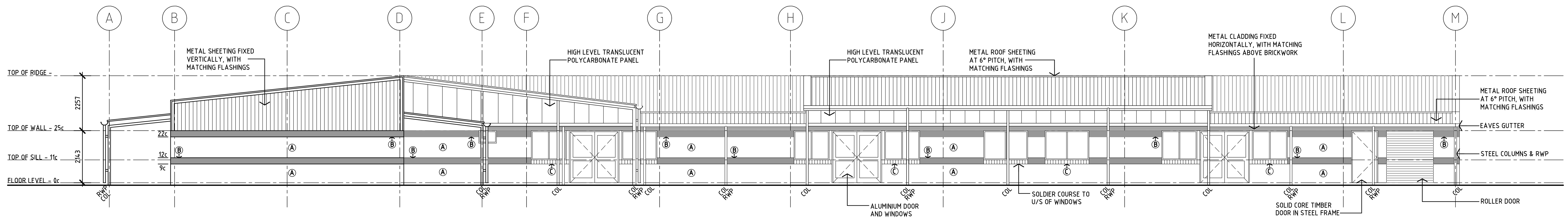
ELEVATION LEGEND

- Ⓐ FACEBRICK TYPE A
- Ⓑ FACEBRICK TYPE B
- Ⓒ FACEBRICK TYPE C



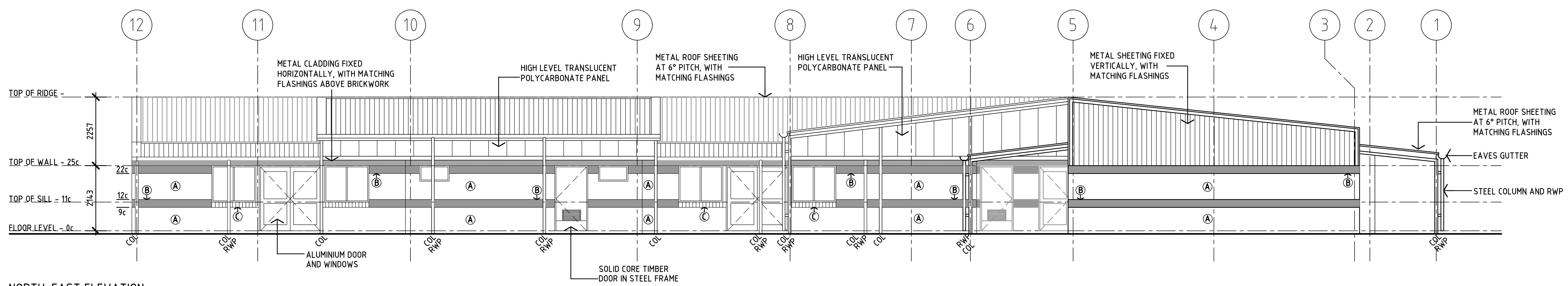
SOUTH-WEST ELEVATION

SCALE 1:100



SOUTH-EAST ELEVATION

SCALE 1:100



NORTH-EAST ELEVATION

SCALE 1:100

REV	DESCRIPTION	DATE	APP
D	ISSUED FOR DEVELOPMENT APPLICATION STAGES 1 & 2	05/03/19	CG
C	ISSUED TO CONSULTANTS	08/02/19	CG
B	ISSUED FOR SCHEMATIC DESIGN REVIEW	29/01/19	CG
A	ISSUED TO CONSULTANTS	18/01/18	CG

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YANCHEP LAGOON PRIMARY SCHOOL

MAIN WORKS
TEACHING BLOCK 1 - ELEVATIONS

DRAWN INITS JW	DESIGNED NAME PL	REDUCTION 0 25	
CHECKED INITS CG	PRINCIPAL		
APPROVED INITS PL	SIGNATURE		
SCALE 1:100	DATE 27/11/2018	DRAWING No. A2.501 D	
DF PROJ No. 14525	DF FILE No. 2018/04656		

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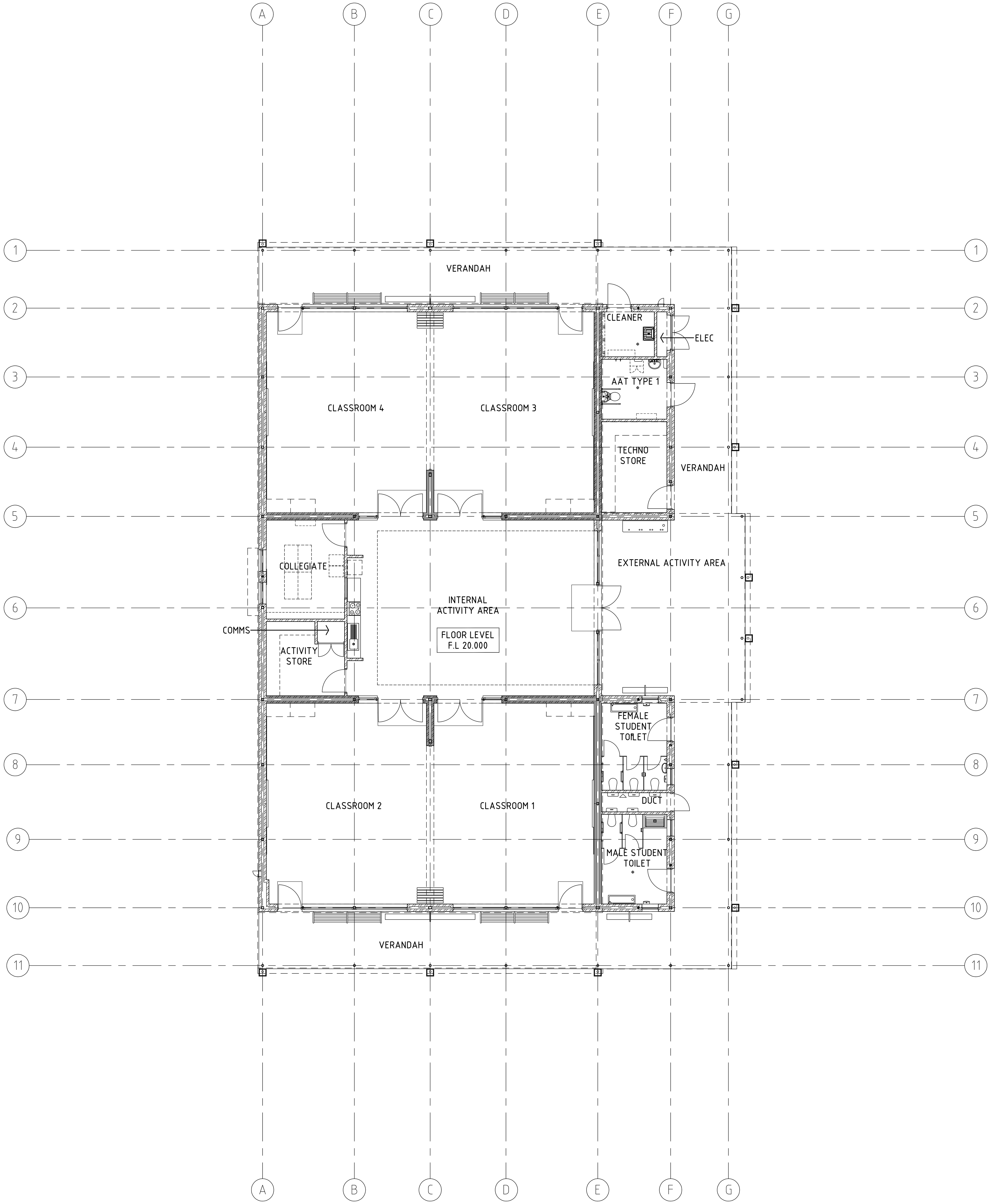
T&Z JOB No. 419007

DRAWING FILE No. YLPA2501E5.dwg



G	ISSUED FOR DEVELOPMENT APPLICATION STAGES 1 & 2	05/03/19	CG
F	ISSUED TO CONSULTANTS	25/02/19	CG
E	ISSUED TO CONSULTANTS	08/02/19	CG
D	ISSUED FOR SCHEMATIC DESIGN REVIEW	29/01/19	CG
C	ISSUED TO CONSULTANTS	18/01/18	CG
B	ISSUED TO CONSULTANTS	18/12/18	CG
A	ISSUED TO CONSULTANTS	07/12/18	CG
REV	DESCRIPTION	DATE	APP

T&Z ARCHITECTS

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T 08 9423 0000 F 08 9481 4983 E mail@tz.com.au

Government of Western Australia
Department of Finance
Building Management and Works

YANCHEP LAGOON PRIMARY SCHOOL

MAIN WORKS
TEACHING BLOCK 2 – FLOOR PLAN

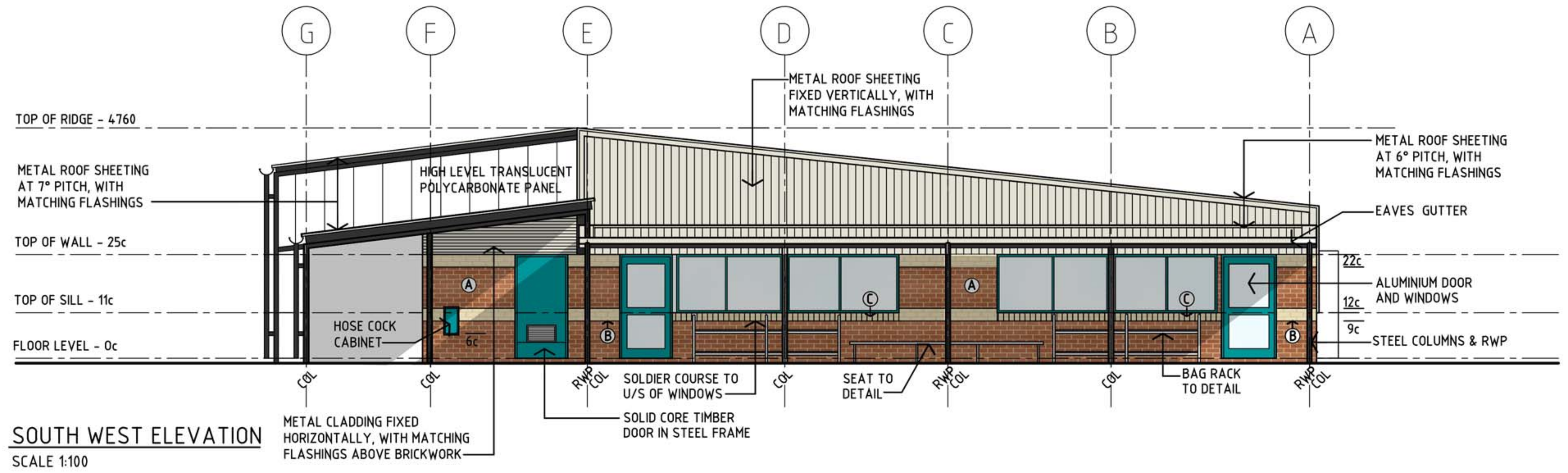
DRAWN INITS	JW	DESIGNED NAME	PL	REDUCTION 0 25
CHECKED INITS	CG	PRINCIPAL SIGNATURE		
APPROVED INITS	PL			
SCALE 1:100		DATE 27/11/2018		DRAWING No. A3.201 G
DF PROJ No. 14525		DF FILE No. 2018/04656		

NORTH

THIS IS A CADD DRAWING
DO NOT AMEND MANUALLY

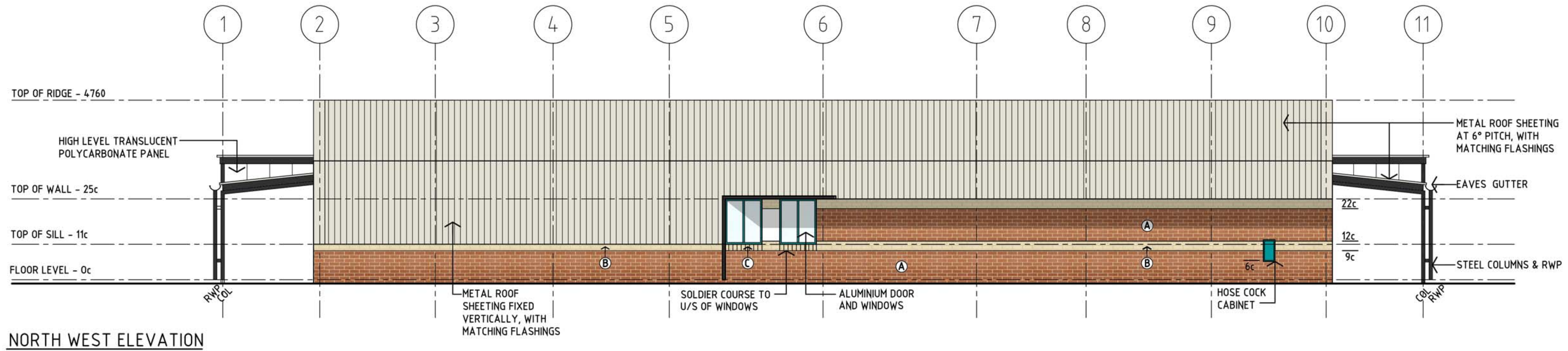
T&Z JOB No. 419007

DRAWING FILE No. YLPA3201P5.dwg



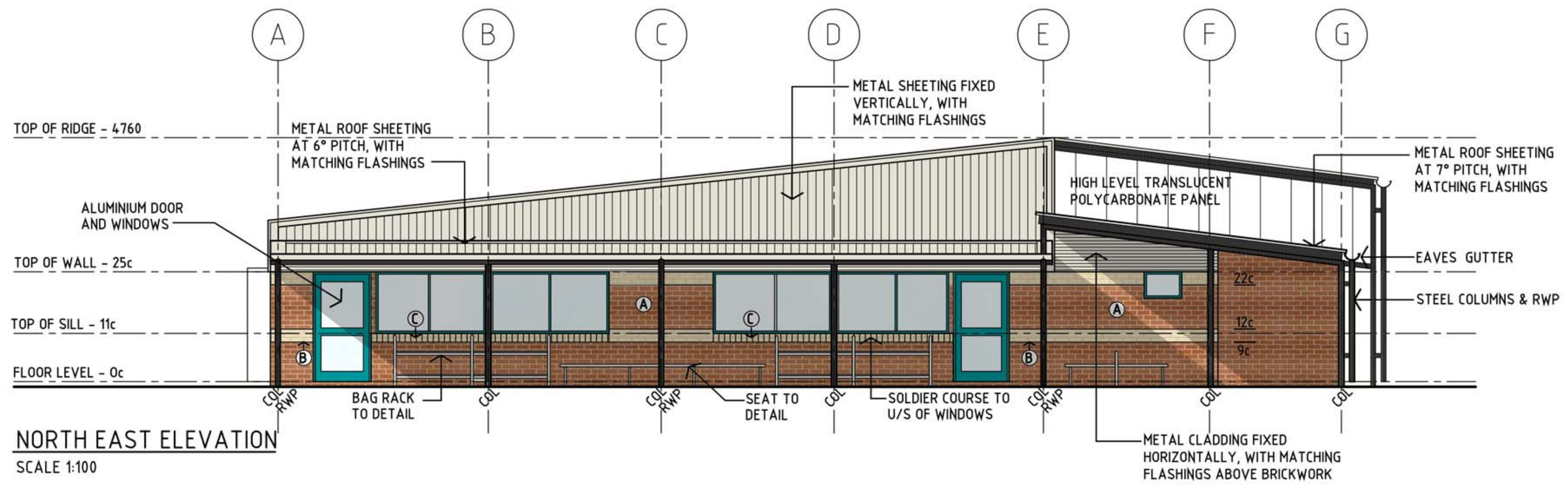
SOUTH WEST ELEVATION

SCALE 1:100



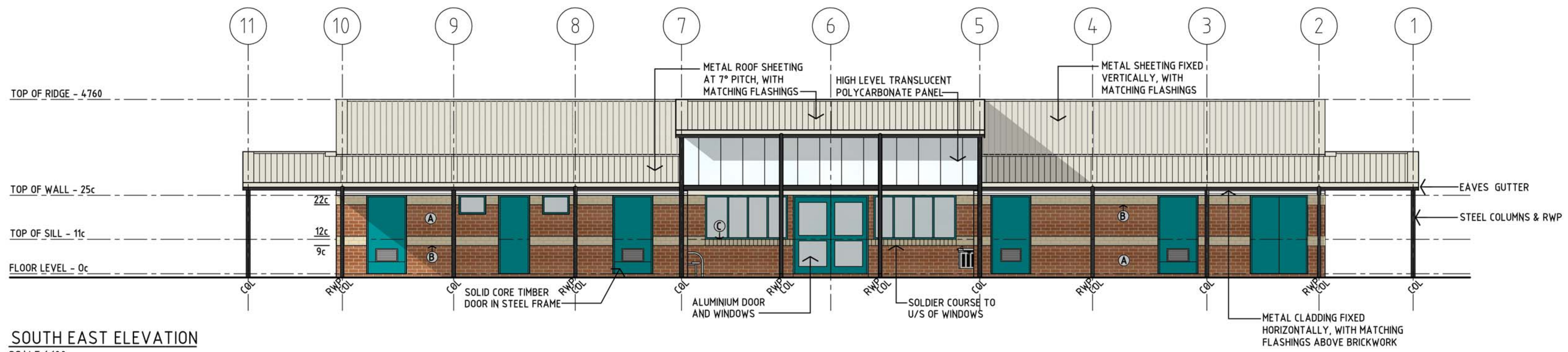
NORTH WEST ELEVATION

SCALE 1:100



NORTH EAST ELEVATION

SCALE 1:100



SOUTH EAST ELEVATION

SCALE 1:100

REV	DESCRIPTION	DATE	APP
E	ISSUED FOR DEVELOPMENT APPLICATION STAGES 1 & 2	05/03/19	CG
D	ISSUED TO CONSULTANTS	08/02/19	CG
C	ISSUED FOR SCHEMATIC DESIGN REVIEW	29/01/19	CG
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A	ISSUED TO CONSULTANTS	07/12/18	CG

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TEACHING BLOCK 2 - ELEVATIONS

DRAWN INITS	JW	DESIGNED NAME	PL	REDUCTION 0 25
CHECKED INITS	CG	PRINCIPAL SIGNATURE		
APPROVED INITS	PL			
SCALE 1:100		DATE 27/11/2018		DRAWING No. A3.501 E
DF PROJ No. 14525		DF FILE No. 2018/04656		

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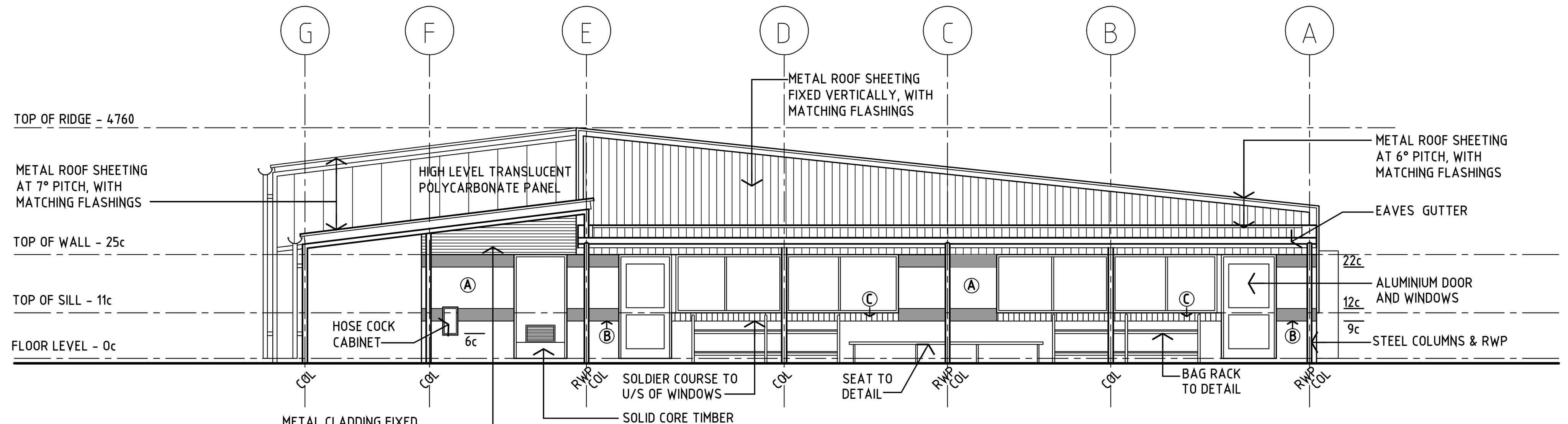
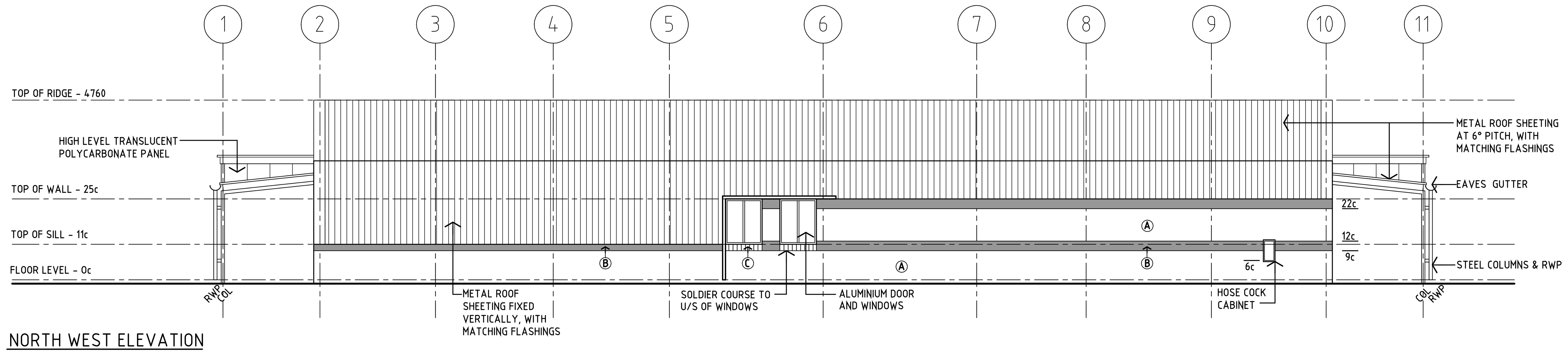
T&Z JOB No. 419007

DRAWING FILE No. YLPA3501E5.dwg



SOUTH WEST ELEVATION
SCALE 1:100



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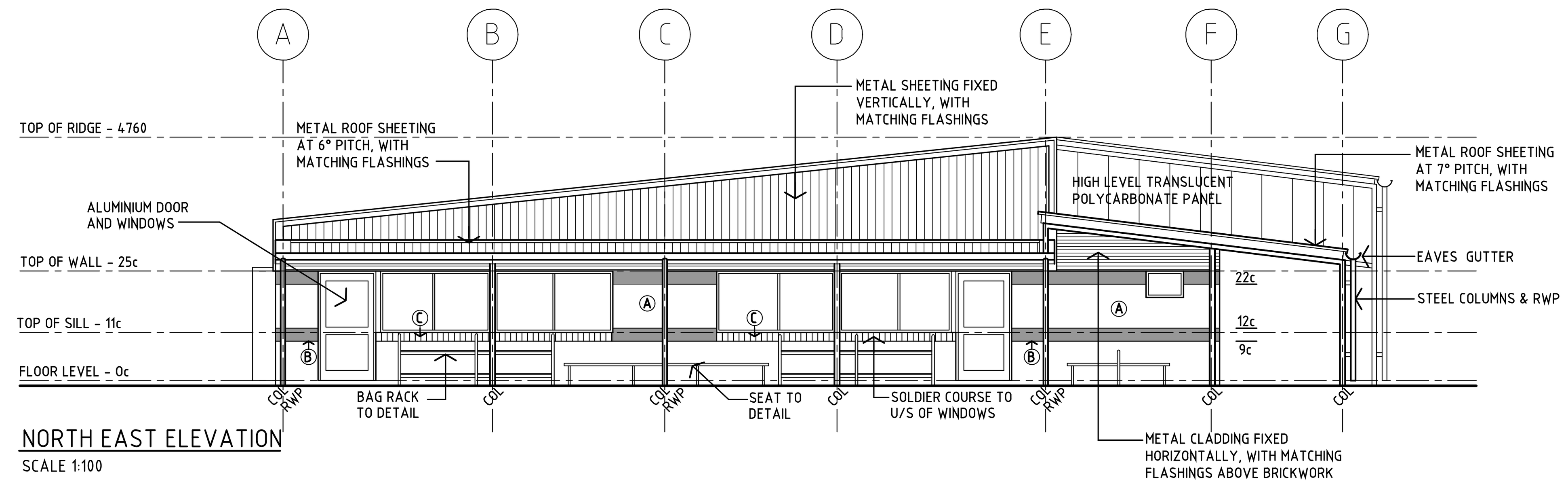
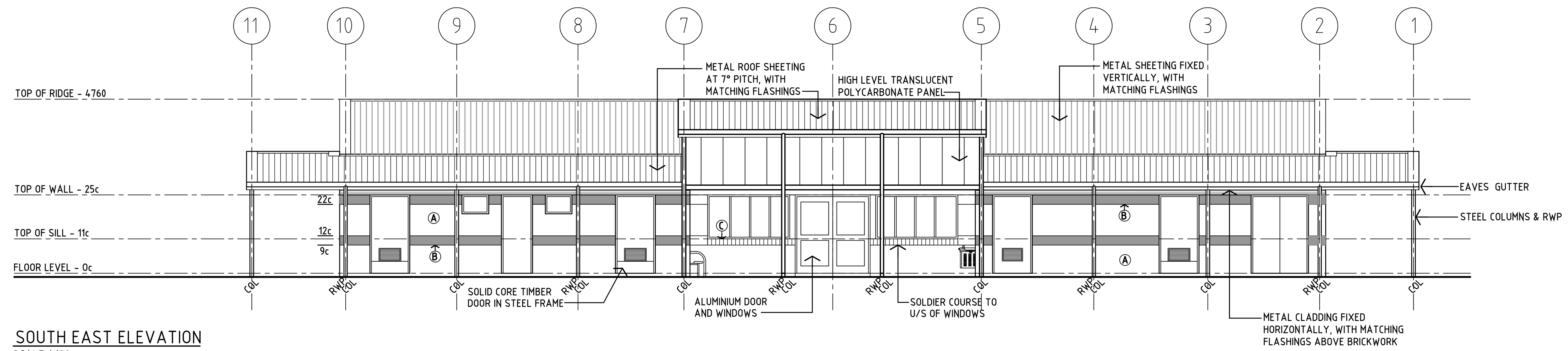
SCALE 1:100



NORTH EAST ELEVATION
SCALE 1:100



SOUTH EAST ELEVATION
SCALE 1:100

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MAIN WORKS
TEACHING BLOCK 2 - ELEVATIONS

DRAWN INITS JW	DESIGNED NAME PL	REDUCTION 0 25	
CHECKED INITS CG	PRINCIPAL		
APPROVED INITS PL	SIGNATURE		
SCALE 1:100	DATE 27/11/2018	DRAWING No. A3.501 E	
DF PROJ No. 14525	DF FILE No. 2018/04656		

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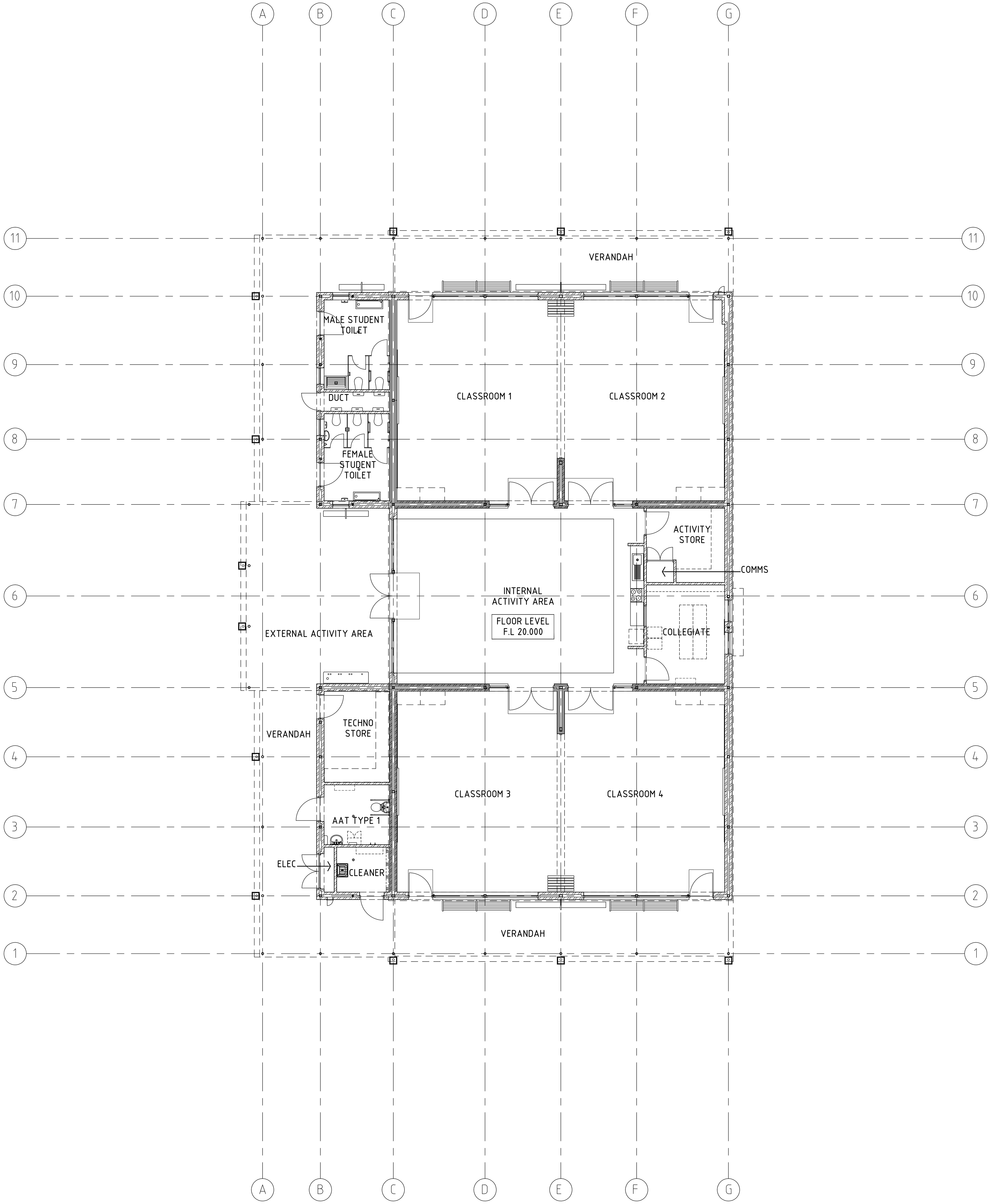
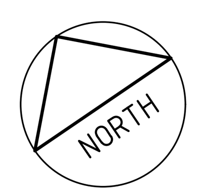
T&Z JOB No. 419007
DRAWING FILE No. YLPA3501E5.dwg





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MAIN WORKS
TEACHING BLOCK 3 – FLOOR PLAN

DRAWN INITS	JW	DESIGNED NAME	PL	REDUCTION 0 25
CHECKED INITS	CG	PRINCIPAL SIGNATURE		
APPROVED INITS	PL			
SCALE 1:100		DATE 27/11/2018		DRAWING No. A4.201 F
DF PROJ No. 14525		DF FILE No. 2018/04656		

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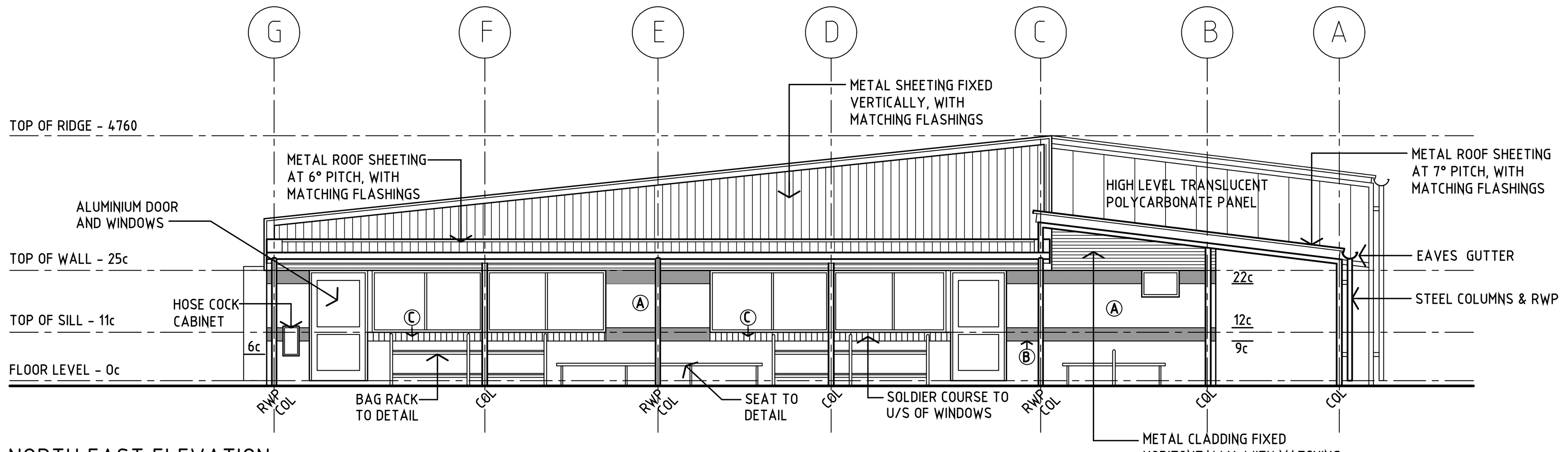
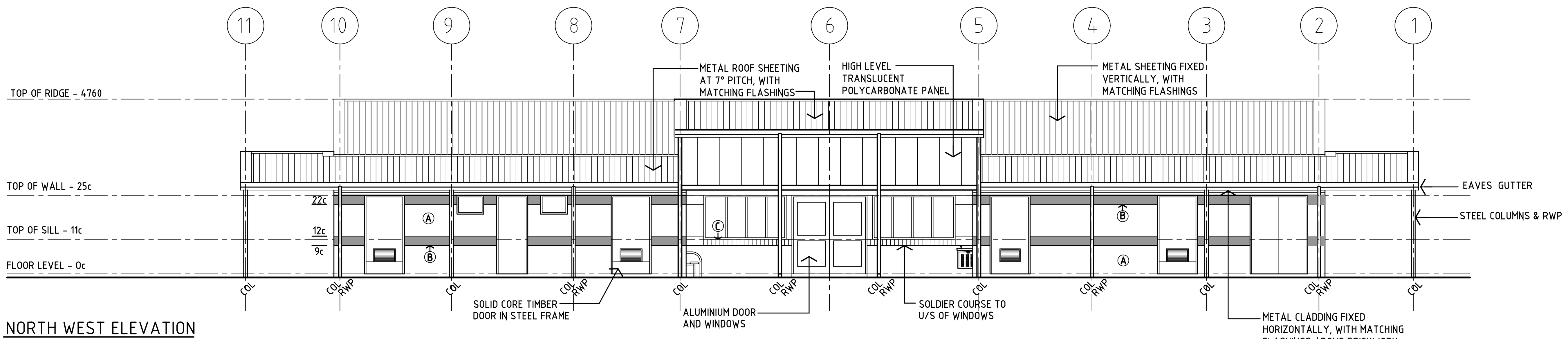
T&Z JOB No. 419007

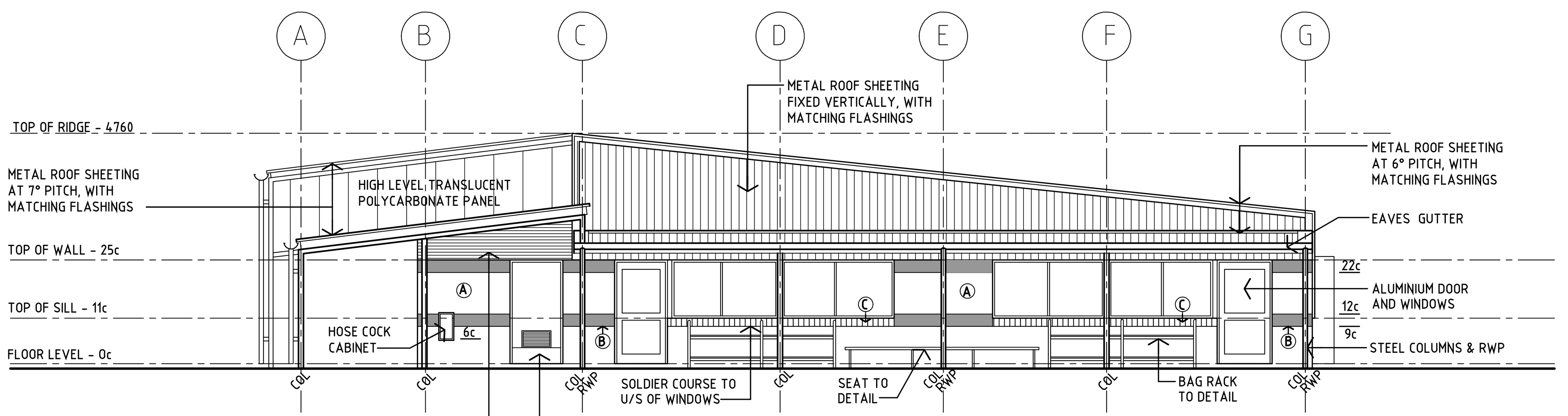
DRAWING FILE No. YLPA4201P5.dwg



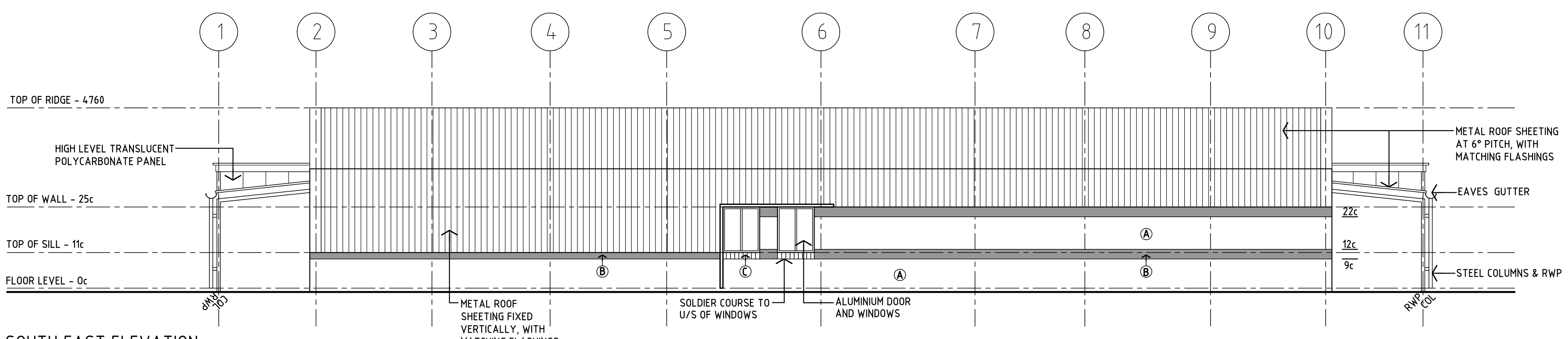
NORTH EAST ELEVATION
SCALE 1:100



NORTH WEST ELEVATION
SCALE 1:100



SOUTH WEST ELEVATION
SCALE 1:100



SOUTH EAST ELEVATION
SCALE 1:100

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MAIN WORKS
TEACHING BLOCK 3 - ELEVATIONS

DRAWN INITS JW	DESIGNED NAME PL	REDUCTION 0 25	
CHECKED INITS CG	PRINCIPAL		
APPROVED INITS PL	SIGNATURE		
SCALE 1:100	DATE 27/11/2018	DRAWING No. A4.501 E	
DF PROJ No. 14525	DF FILE No. 2018/04656		

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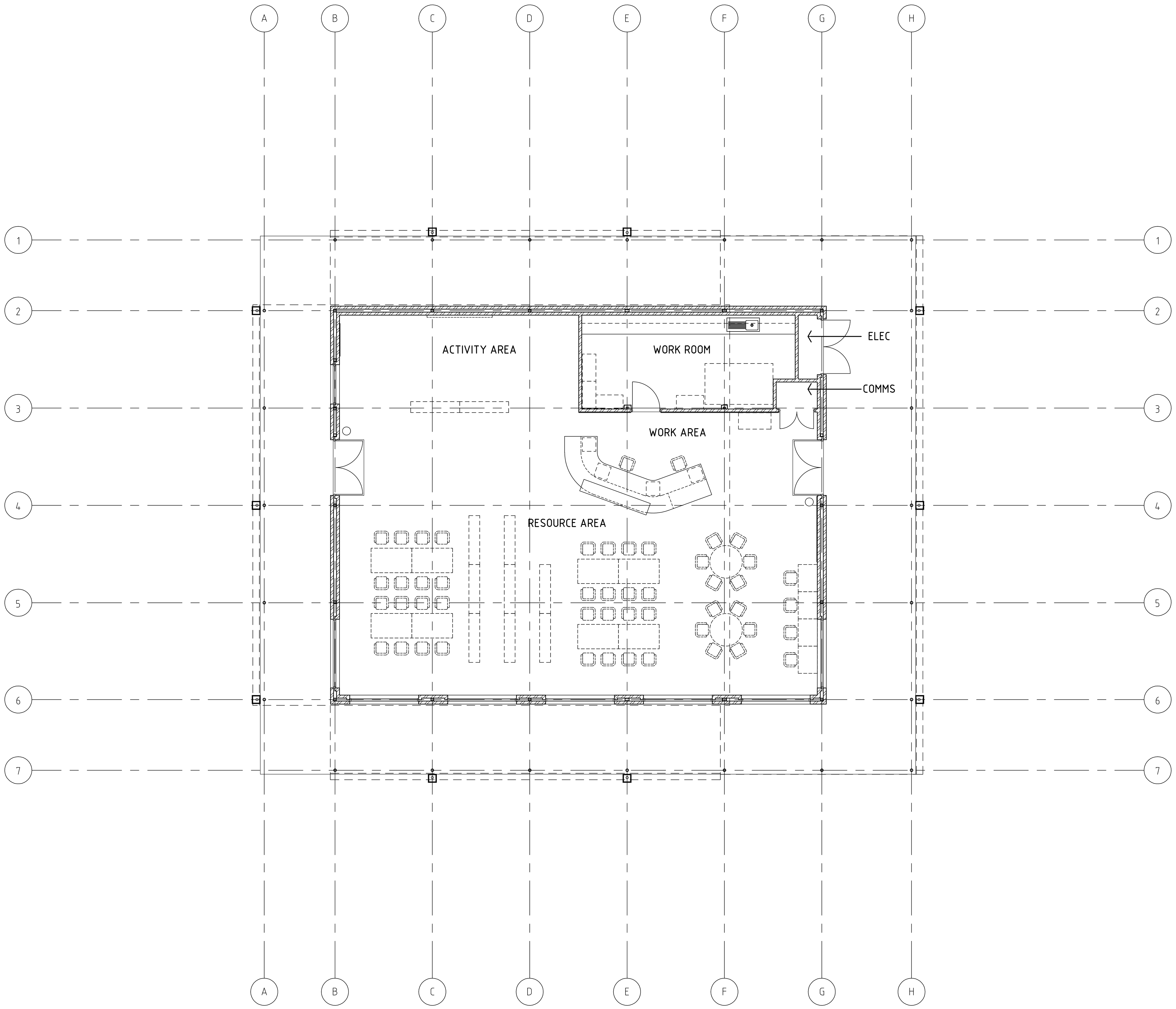
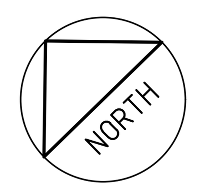
T&Z JOB No. 419007
DRAWING FILE No. YLPA4501E5.dwg





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MAIN WORKS
LIBRARY - FLOOR PLAN

DRAWN INITS	JW	DESIGNED NAME	PL	REDUCTION 0 25
CHECKED INITS	CG	PRINCIPAL SIGNATURE		
APPROVED INITS	PL			
SCALE 1:100		DATE 27/11/2018		DRAWING No. A7.201 F
DF PROJ No. 14525		DF FILE No. 2018/04656		

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T&Z JOB No. 419007

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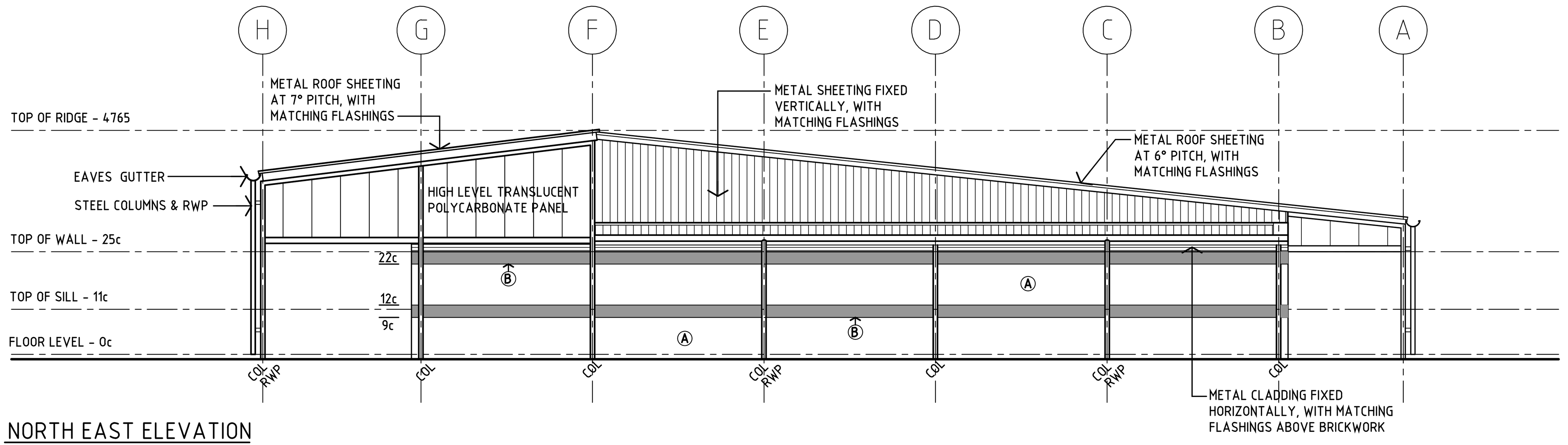
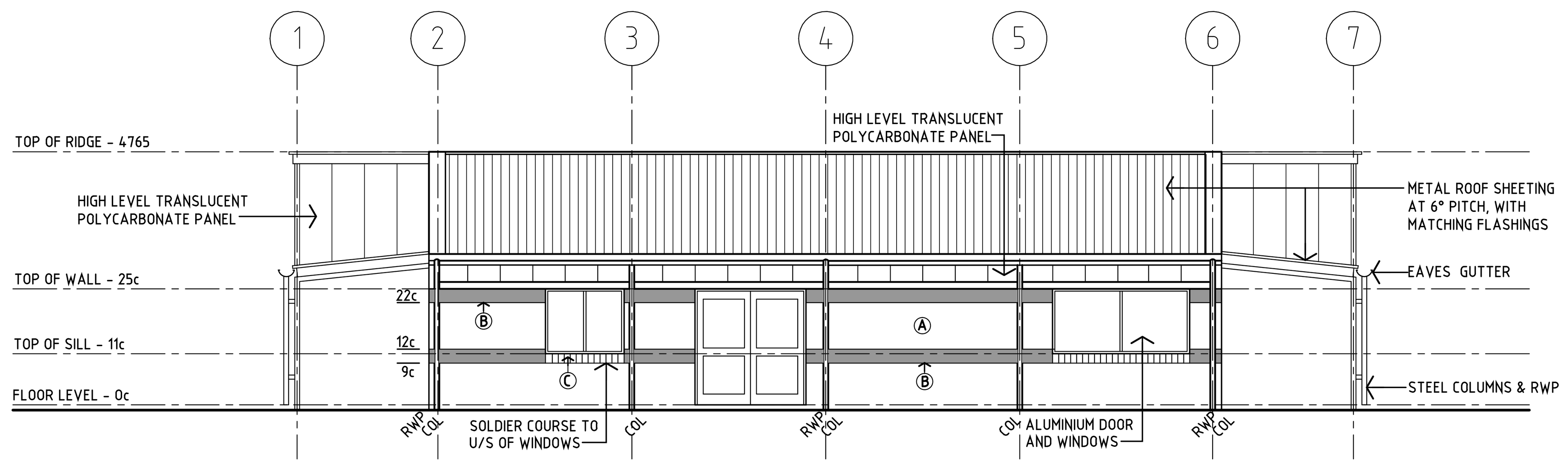
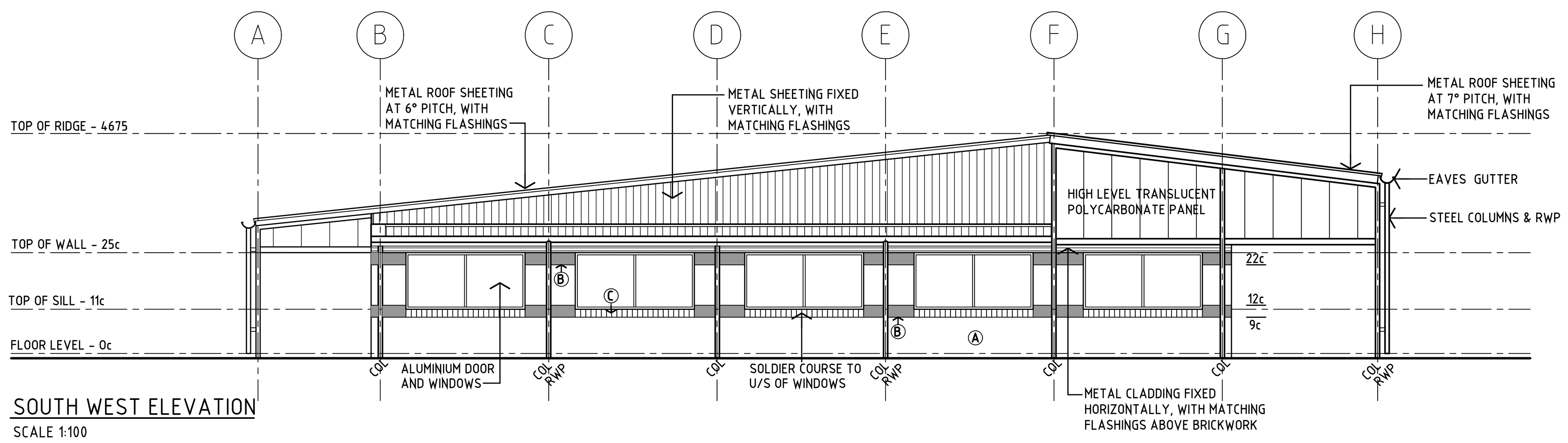


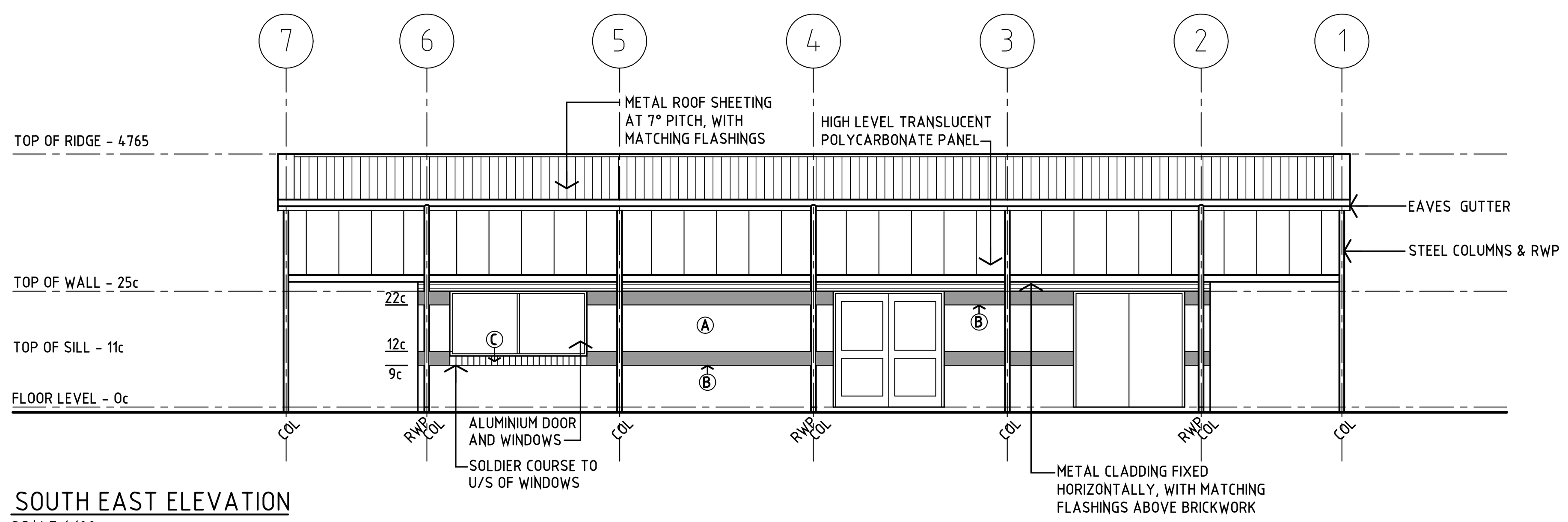
NORTH EAST ELEVATION
SCALE 1:100



NORTH WEST ELEVATION
SCALE 1:100



SOUTH WEST ELEVATION
SCALE 1:100



SOUTH EAST ELEVATION
SCALE 1:100

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MAIN WORKS
LIBRARY - ELEVATIONS

DRAWN INITS	JW	DESIGNED NAME	PL	REDUCTION 0 25
CHECKED INITS	CG	PRINCIPAL		
APPROVED INITS	PL	SIGNATURE		
SCALE 1:100		DATE 27/11/2018		DRAWING No. A7.501 E
DF PROJ No. 14525		DF FILE No. 2018/04656		

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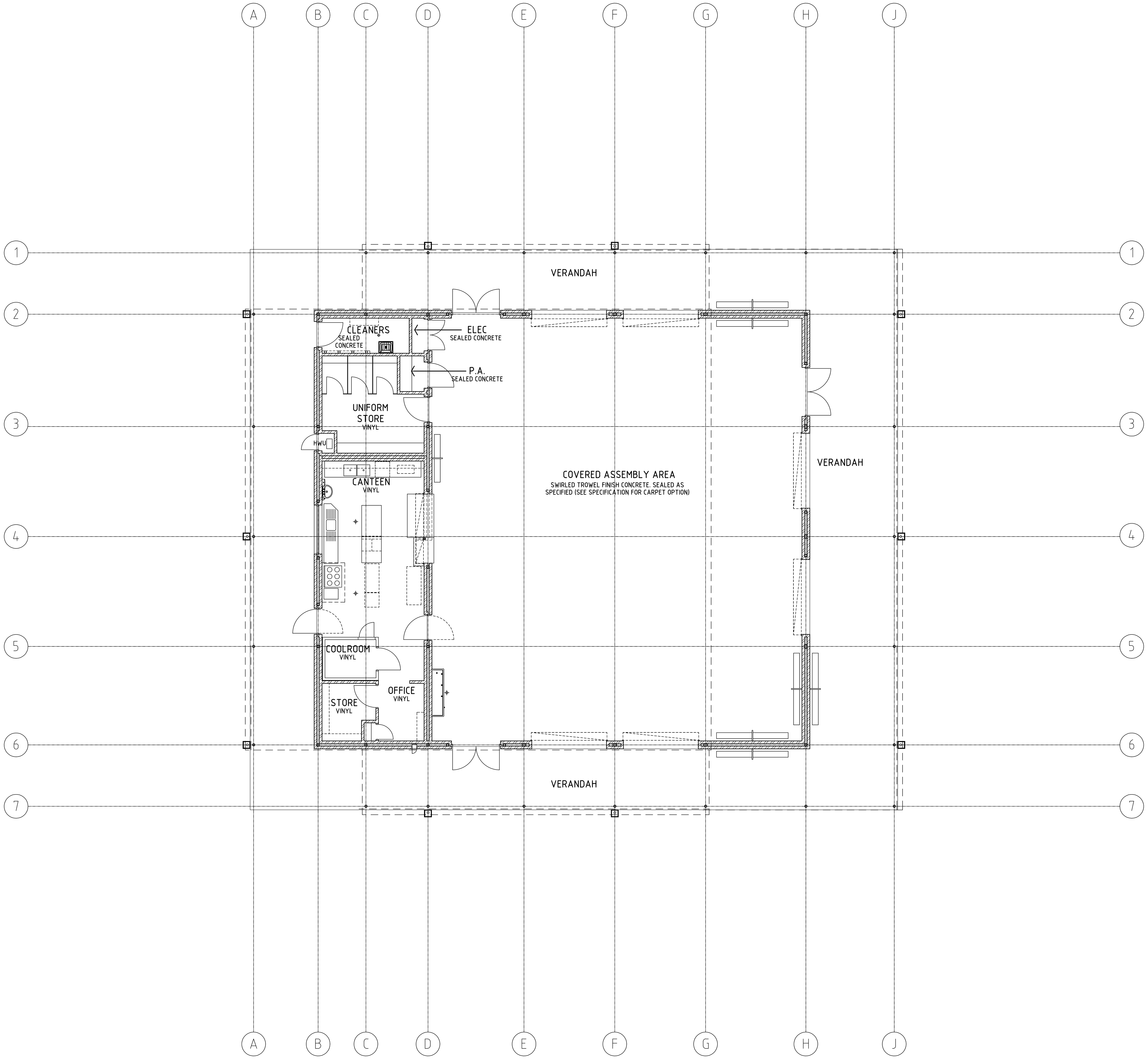
T&Z JOB No. 419007

DRAWING FILE No. YLPA7501E5.dwg



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MAIN WORKS
COVERED ASSEMBLY – FLOOR PLAN

DRAWN INITS	JW	DESIGNED NAME	PL	REDUCTION 0 25
CHECKED INITS	CG	PRINCIPAL SIGNATURE		
APPROVED INITS	PL			
SCALE 1:100		DATE 27/11/2018		DRAWING No. A8.201 F
DF PROJ No. 14525		DF FILE No. 2018/04656		

NORTH

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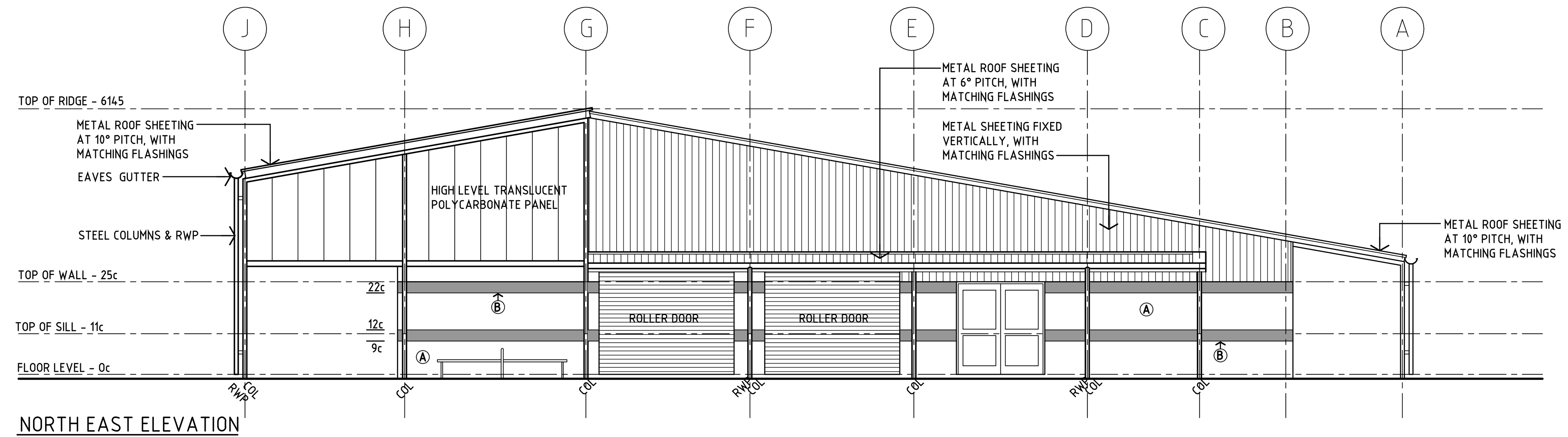
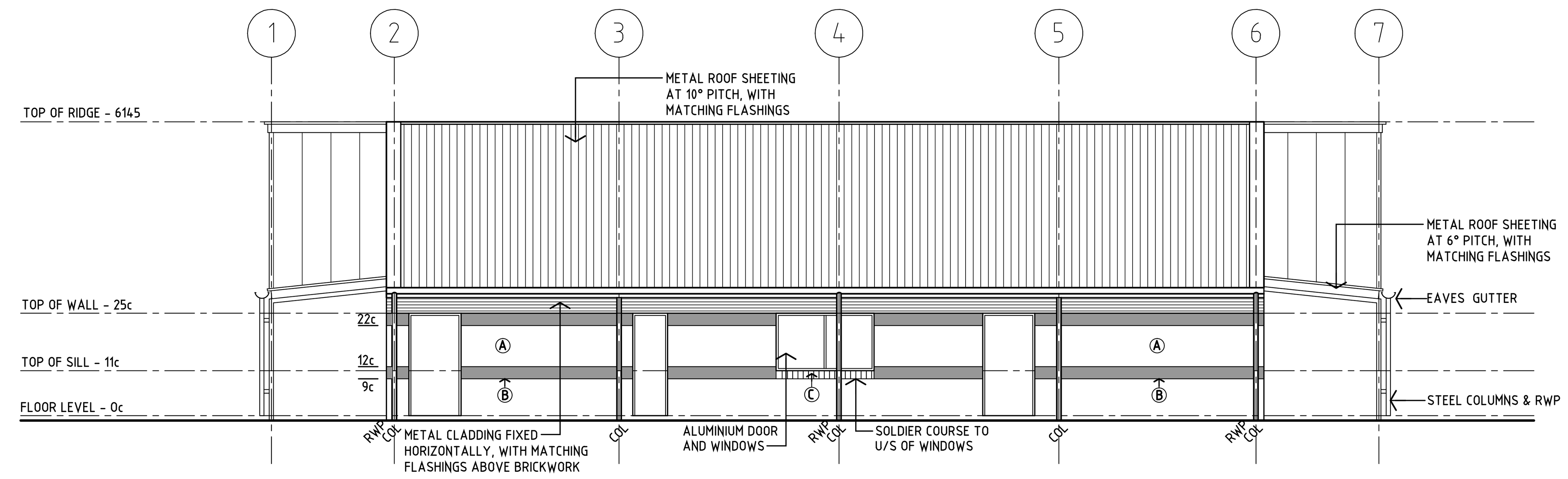
T&Z JOB No. 419007

DRAWING FILE No. YLPA8201P5.dwg



NORTH EAST ELEVATION
SCALE 1:100



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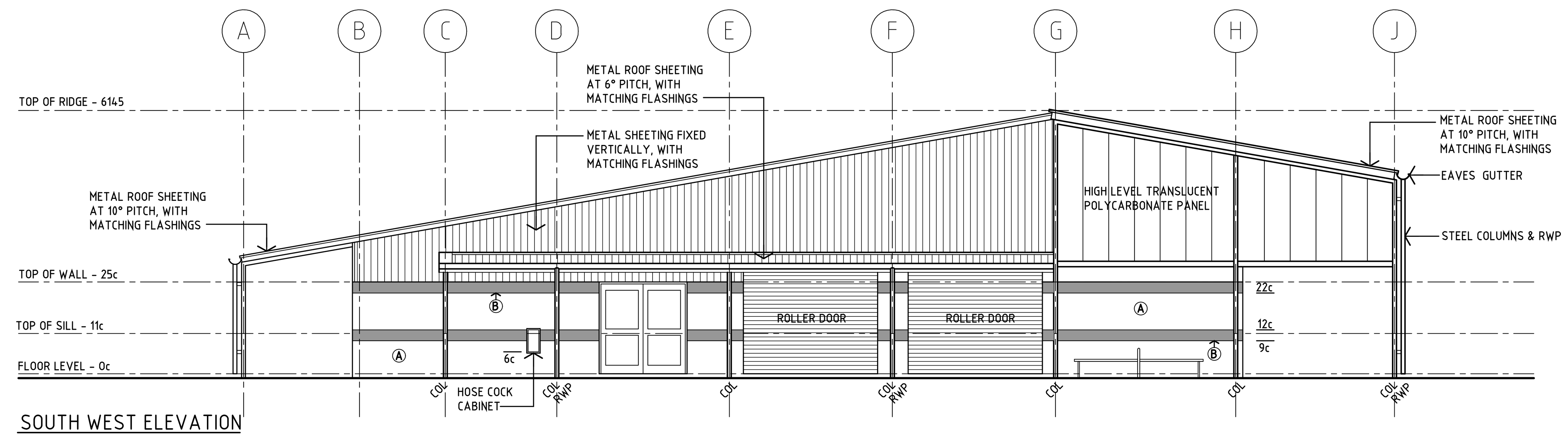

SOUTH WEST ELEVATION
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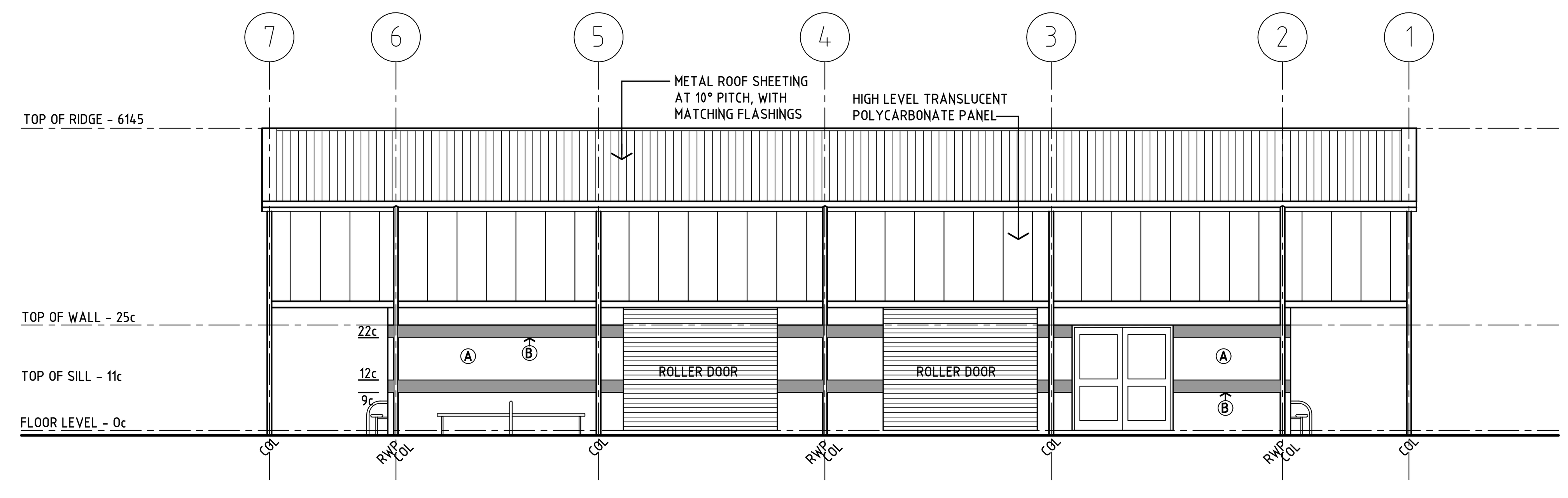

NORTH EAST ELEVATION
SCALE 1:100

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MAIN WORKS
COVERED ASSEMBLY - ELEVATIONS

DRAWN INITS JW	DESIGNED NAME PL		REDUCTION 0 25
CHECKED INITS CG	PRINCIPAL		
APPROVED INITS PL	SIGNATURE		
SCALE 1:100	DATE 27/11/2018	DRAWING No.	
DF PROJ No. 14525	DF FILE No. 2018/04656	A8.501 D	

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T&Z JOB No. 419007
DRAWING FILE No. YLPA8501E5.dwg

EXISTING TREE SCHEDULE

TREE NUMBER	BOTANICAL NAME	HEIGHT	TREE PROTECTION ZONE (TPZ)	RETAIN / REMOVE
1	ACACIA SALIGNA	4.5M	2.28M	REMOVE
2	EUCALYPTUS GOMPHOCEPHALA	17.5M	8.76M	REMOVE
3	EUCALYPTUS GOMPHOCEPHALA	19.0M	8.40M	REMOVE
4	EUCALYPTUS PLATYPUS	7.0M	3.24M	REMOVE
5	EUCALYPTUS PLATYPUS	8.5M	2.64M	REMOVE
6	EUCALYPTUS PLATYPUS	4.5M	2.00M	REMOVE
7	EUCALYPTUS VICTRIX	10.5M	3.12M	REMOVE
8	EUCALYPTUS GOMPHOCEPHALA	18.0M	5.76M	REMOVE
9	EUCALYPTUS CAMALDULENSIS	10.0M	3.24M	REMOVE
10	EUCALYPTUS PLATYPUS	3.5M	2.00M	REMOVE
11	UNKNOWN / DEAD TREE	5.0M	2.00M	REMOVE
12	EUCALYPTUS GOMPHOCEPHALA	12.0M	2.76M	REMOVE
13	EUCALYPTUS GOMPHOCEPHALA	14.5M	4.92M	REMOVE
14	EUCALYPTUS PLATYPUS	12.0M	4.08M	REMOVE
15	EUCALYPTUS PLATYPUS	13.5M	4.68M	RETAIN
16	EUCALYPTUS PLATYPUS	9.5M	6.60M	RETAIN
17	EUCALYPTUS PLATYPUS	6.0M	3.60M	RETAIN
18	EUCALYPTUS PLATYPUS	8.0M	3.84M	RETAIN
19	EUCALYPTUS PLATYPUS	5.0M	2.00M	RETAIN
20	EUCALYPTUS PLATYPUS	12.0M	6.48M	RETAIN
21	EUCALYPTUS PLATYPUS	12.0M	7.80M	RETAIN
22	EUCALYPTUS PLATYPUS	12.0M	10.8M	RETAIN
23	EUCALYPTUS GOMPHOCEPHALA	21.0M	5.88M	RETAIN
24	EUCALYPTUS GOMPHOCEPHALA	15.0M	4.68M	RETAIN
25	EUCALYPTUS GOMPHOCEPHALA	15.0M	5.28M	RETAIN
26	MELALEUCA LANCEOLATA	7.5M	7.92M	RETAIN
27	EUCALYPTUS GOMPHOCEPHALA	7.5M	2.64M	RETAIN
28	MELALEUCA LANCEOLATA	6.0M	5.16M	RETAIN
29	EUCALYPTUS GOMPHOCEPHALA	14.5M	7.32M	RETAIN
30	EUCALYPTUS GOMPHOCEPHALA	12.5M	3.36M	RETAIN
31	EUCALYPTUS GOMPHOCEPHALA	13.0M	3.12M	RETAIN
32	EUCALYPTUS GOMPHOCEPHALA	13.5M	3.00M	RETAIN
33	EUCALYPTUS GOMPHOCEPHALA	12.5M	6.48M	RETAIN
34	EUCALYPTUS GOMPHOCEPHALA	14.5M	5.28M	RETAIN
35	EUCALYPTUS PLATYPUS	14.0M	7.32M	RETAIN
36	EUCALYPTUS PLATYPUS	9.0M	2.52M	RETAIN
37	EUCALYPTUS UTILIS	11.5M	6.36M	RETAIN
38	EUCALYPTUS GOMPHOCEPHALA	19.5M	6.36M	REMOVE
39	EUCALYPTUS GOMPHOCEPHALA	19.0M	5.28M	REMOVE
40	EUCALYPTUS GOMPHOCEPHALA	18.0M	6.96M	REMOVE
41	EUCALYPTUS CAMALDULENSIS OBTUSA	13.0M	3.84M	REMOVE
42	CALLITRIS PREISSII	12.0M	6.48M	RETAIN
43	EUCALYPTUS GOMPHOCEPHALA	20.5M	10.92M	RETAIN
44	EUCALYPTUS GOMPHOCEPHALA	22.0M	11.76M	RETAIN
45	AGONIS FLEXUOSA	9.0M	3.12M	RETAIN
46	EUCALYPTUS GOMPHOCEPHALA	21.0M	10.68M	RETAIN
47	EUCALYPTUS CAMALDULENSIS OBTUSA	12.5M	6.48M	RETAIN
48	EUCALYPTUS GOMPHOCEPHALA	13.0M	5.16M	RETAIN
49	EUCALYPTUS UTILIS	11.0M	6.12M	RETAIN
50	EUCALYPTUS GOMPHOCEPHALA	16.0M	6.48M	RETAIN
51	EUCALYPTUS GOMPHOCEPHALA	19.5M	6.84M	RETAIN
52	EUCALYPTUS GOMPHOCEPHALA	17.0M	9.60M	RETAIN
53	EUCALYPTUS GOMPHOCEPHALA	13.5M	7.32M	RETAIN
54	EUCALYPTUS GOMPHOCEPHALA	16.5M	10.68M	RETAIN
55	EUCALYPTUS CAMALDULENSIS OBTUSA	19.5M	7.44M	REMOVE
56	METROSIDEROS EXCELSA	5.0M	6.96M	REMOVE
57	AGONIS FLEXUOSA	13.0M	8.04M	REMOVE
58	EUCALYPTUS CAMALDULENSIS	7.0M	3.96M	REMOVE
59	EUCALYPTUS PLATYPUS	12.5M	4.80M	REMOVE
60	CALLISTEMON VIMINALIS	2.0M	2.00M	REMOVE
61	CALLISTEMON VIMINALIS	3.0M	2.00M	REMOVE
62	CALLISTEMON 'KINGS PARK SPECIAL'	4.0M	2.00M	REMOVE
63	CALLISTEMON 'KINGS PARK SPECIAL'	4.5M	2.28M	REMOVE
64	CALLISTEMON 'KINGS PARK SPECIAL'	4.5M	2.52M	REMOVE
65	CALLISTEMON 'KINGS PARK SPECIAL'	3.0M	2.00M	REMOVE
66	CALLISTEMON 'KINGS PARK SPECIAL'	3.0M	2.00M	REMOVE
67	AGONIS FLEXUOSA	11.5M	13.68M	RETAIN
68	METROSIDEROS EXCELSA VARIEGATA	4.0M	2.52M	RETAIN
69	EUCALYPTUS GOMPHOCEPHALA	21.0M	7.92M	RETAIN
70	EUCALYPTUS GOMPHOCEPHALA	19.0M	13.92M	RETAIN
71	EUCALYPTUS GOMPHOCEPHALA	20.5M	8.76M	RETAIN
72	EUCALYPTUS GOMPHOCEPHALA	20.0M	8.28M	REMOVE
73	UNKNOWN / DEAD TREE	15.5M	10.68M	REMOVE
74	EUCALYPTUS PLATYPUS	5.0M	3.72M	RETAIN
75	EUCALYPTUS GOMPHOCEPHALA	18.0M	11.64M	RETAIN
76	EUCALYPTUS GOMPHOCEPHALA	15.5M	11.76M	RETAIN
77	EUCALYPTUS GOMPHOCEPHALA	16.0M	11.04M	RETAIN
78	EUCALYPTUS GOMPHOCEPHALA	15.5M	10.08M	RETAIN
79	EUCALYPTUS GOMPHOCEPHALA	17.0M	11.64M	RETAIN
80	EUCALYPTUS GOMPHOCEPHALA / DEAD	9.0M	3.84M	REMOVE
81	EUCALYPTUS GOMPHOCEPHALA	16.4M	6.60M	RETAIN
82	MELALEUCA LANCEOLATA	8.8M	5.40M	RETAIN
83	MELALEUCA LANCEOLATA	10.9M	7.08M	RETAIN
84	MELALEUCA LANCEOLATA	7.1M	7.68M	RETAIN
85	MELALEUCA LANCEOLATA	8.2M	2.04M	RETAIN
86	MELALEUCA LANCEOLATA	8.4M	5.04M	RETAIN
87	MELALEUCA LANCEOLATA	7.8M	4.44M	RETAIN
88	MELALEUCA LANCEOLATA	5.8M	2.76M	RETAIN
89	EUCALYPTUS GOMPHOCEPHALA	14.3M	6.24M	RETAIN
90	EUCALYPTUS GOMPHOCEPHALA	12.7M	5.40M	RETAIN
91	EUCALYPTUS GOMPHOCEPHALA	15.8M	6.24M	RETAIN
92	EUCALYPTUS GOMPHOCEPHALA	11.0M	5.16M	RETAIN
93	EUCALYPTUS GOMPHOCEPHALA	12.2M	4.80M	RETAIN
94	EUCALYPTUS GOMPHOCEPHALA	12.4M	3.72M	RETAIN

TREE NUMBER	BOTANICAL NAME	HEIGHT	TREE PROTECTION ZONE (TPZ)	RETAIN / REMOVE
95	EUCALYPTUS GOMPHOCEPHALA	14.2M	5.40M	RETAIN
96	EUCALYPTUS GOMPHOCEPHALA	10.5M	2.88M	RETAIN
97	ACACIA SALIGNA	4.7M	2.76M	RETAIN
98	EUCALYPTUS GOMPHOCEPHALA	15.7M	6.24M	RETAIN
99	EUCALYPTUS GOMPHOCEPHALA	12.6M	3.24M	RETAIN
100	EUCALYPTUS GOMPHOCEPHALA	16.3M	9.00M	RETAIN
101	EUCALYPTUS GOMPHOCEPHALA	13.3M	6.24M	RETAIN
102	EUCALYPTUS GOMPHOCEPHALA	16.5M	4.80M	RETAIN
103	EUCALYPTUS GOMPHOCEPHALA	15.8M	9.00M	RETAIN
104	EUCALYPTUS GOMPHOCEPHALA	14.6M	9.24M	RETAIN
105	EUCALYPTUS GOMPHOCEPHALA	13.5M	6.00M	RETAIN
106	EUCALYPTUS PLATYPUS	7.1M	5.40M	RETAIN
107	EUCALYPTUS GOMPHOCEPHALA	13.3M	4.20M	RETAIN
108	EUCALYPTUS GOMPHOCEPHALA	18.3M	6.72M	RETAIN
109	EUCALYPTUS GOMPHOCEPHALA	15.7M	4.44M	RETAIN
110	AGONIS FLEXUOSA	6.5M	5.40M	RETAIN
111	AGONIS FLEXUOSA	5.0M	2.64M	RETAIN
112	EUCALYPTUS PLATYPUS	5.5M	3.12M	RETAIN
113	ACACIA SALIGNA	6.0M	2.76M	RETAIN
114	EUCALYPTUS LEUCOXYLON	10.5M	7.80M	RETAIN
115	EUCALYPTUS GOMPHOCEPHALA	17.5M	6.96M	RETAIN
116	EUCALYPTUS GOMPHOCEPHALA	17.5M	6.24M	RETAIN
117	EUCALYPTUS GOMPHOCEPHALA	9.0M	3.36M	RETAIN
118	EUCALYPTUS GOMPHOCEPHALA	9.0M	3.12M	RETAIN
119	EUCALYPTUS GOMPHOCEPHALA	16.8M	5.64M	RETAIN
120	EUCALYPTUS GOMPHOCEPHALA	15.8M	6.00M	RETAIN
121	EUCALYPTUS GOMPHOCEPHALA	9.0M	4.44M	RETAIN
122	EUCALYPTUS GOMPHOCEPHALA	12.9M	4.20M	RETAIN
123	EUCALYPTUS GOMPHOCEPHALA	10.0M	2.64M	RETAIN
124	EUCALYPTUS GOMPHOCEPHALA	11.0M	2.88M	RETAIN
125	EUCALYPTUS GOMPHOCEPHALA	15.7M	5.04M	RETAIN
126	EUCALYPTUS GOMPHOCEPHALA	18.7M	4.92M	RETAIN
127	EUCALYPTUS GOMPHOCEPHALA	10.3M	7.44M	RETAIN
128	OLEA SPECIES	4.2M	3.24M	RETAIN
129	EUCALYPTUS GOMPHOCEPHALA	8.7M	3.12M	RETAIN
130	ACACIA SALIGNA	4.0M	2.52M	RETAIN
131	EUCALYPTUS CAMALDULENSIS	13.6M	9.84M	RETAIN
132	EUCALYPTUS CAMALDULENSIS	14.6M	6.24M	RETAIN
133	EUCALYPTUS CAMALDULENSIS	14.5M	5.40M	RETAIN
134	EUCALYPTUS CAMALDULENSIS	12.2M	4.56M	RETAIN
135	EUCALYPTUS GOMPHOCEPHALA	12.1M	3.84M	RETAIN
136	EUCALYPTUS CAMALDULENSIS	12.7M	4.08M	RETAIN
137	EUCALYPTUS CAMALDULENSIS	13.3M	6.48M	RETAIN
138	EUCALYPTUS GOMPHOCEPHALA	14.2M	7.92M	RETAIN
139	EUCALYPTUS GOMPHOCEPHALA	13.9M	6.00M	RETAIN
140	EUCALYPTUS GOMPHOCEPHALA	13.3M	6.12M	RETAIN
141	EUCALYPTUS GOMPHOCEPHALA	9.2M	5.64M	RETAIN
142	EUCALYPTUS GOMPHOCEPHALA	22.7M	5.88M	REMOVE
143	EUCALYPTUS GOMPHOCEPHALA	18.9M	9.60M	RETAIN
144	EUCALYPTUS GOMPHOCEPHALA	12.3M	6.00M	RETAIN
145	AGONIS FLEXUOSA	1.4M	2.00M	REMOVE
146	AGONIS FLEXUOSA	2.1M	2.00M	REMOVE
147	EUCALYPTUS PLATYPUS	8.5M	4.80M	REMOVE
148	CHAMELAUCIUM UNCINATUM	2.2M	2.00M	REMOVE
149	CHAMELAUCIUM UNCINATUM	2.3M	2.00M	REMOVE
150	CALLISTEMON 'KINGS PARK SPECIAL'	5.3M	2.28M	REMOVE
151	EUCALYPTUS GOMPHOCEPHALA	22.3M	15.00M	RETAIN
152	EUCALYPTUS GOMPHOCEPHALA	18.9M	8.28M	RETAIN
153	EUCALYPTUS GOMPHOCEPHALA	20.4M	10.80M	RETAIN
154	CALLISTEMON 'KINGS PARK SPECIAL'	3.5M	2.00M	RETAIN
155	CALLISTEMON 'KINGS PARK SPECIAL'	4.0M	2.00M	REMOVE
156	CALLISTEMON 'KINGS PARK SPECIAL'	3.0M	2.00M	REMOVE
157	CALLISTEMON 'KINGS PARK SPECIAL'	3.2M	2.00M	REMOVE
158	EUCALYPTUS GOMPHOCEPHALA	10.4M	4.44M	RETAIN
159	EUCALYPTUS GOMPHOCEPHALA	11.5M	5.04M	RETAIN
160	EUCALYPTUS GOMPHOCEPHALA	15.8M	10.68M	RETAIN
161	EUCALYPTUS GOMPHOCEPHALA	23.1M	8.64M	RETAIN
162	EUCALYPTUS GOMPHOCEPHALA	16.5M	5.64M	RETAIN
163	EUCALYPTUS GOMPHOCEPHALA	17.3M	6.24M	RETAIN
164	EUCALYPTUS GOMPHOCEPHALA	18.5M	7.80M	RETAIN
165	EUCALYPTUS GOMPHOCEPHALA	18.7M	8.04M	REMOVE
166	CALLISTEMON 'KINGS PARK SPECIAL'	4.2M	2.40M	REMOVE
167	AGONIS FLEXUOSA	6.7M	7.92M	REMOVE
168	CALLISTEMON 'KINGS PARK SPECIAL'	4.5M	3.48M	RETAIN
169	CALLISTEMON 'KINGS PARK SPECIAL'	3.4M	2.00M	RETAIN
170	CALLISTEMON 'KINGS PARK SPECIAL'	3.0M	2.00M	RETAIN
171	CALLISTEMON 'KINGS PARK SPECIAL'	3.0M	2.04M	RETAIN
172	CALLISTEMON 'KINGS PARK SPECIAL'	3.2M	2.00M	RETAIN
173	CALLISTEMON 'KINGS PARK SPECIAL'	4.4M	2.28M	REMOVE
174	AGONIS FLEXUOSA	8.7M	2.28M	RETAIN
175	AGONIS FLEXUOSA	5.6M	2.28M	RETAIN
176	EUCALYPTUS GOMPHOCEPHALA	22.9M	2.28M	RETAIN
177	EUCALYPTUS GOMPHOCEPHALA	21.1M	2.28M	RETAIN
178	STUMP	N/A	N/A	REMOVE
179	MELALEUCA LANCEOLATA	7.2M	6.12M	RETAIN
180	EUCALYPTUS PLATYPUS	5.3M	6.96M	RETAIN
181	EUCALYPTUS PLATYPUS	5.0M	9.00M	RETAIN
182	CALLISTEMON SALIGNUS	2.3M	2.00M	RETAIN
183	EUCALYPTUS PLATYPUS	3.8M	5.88M	RETAIN

LEGEND :

- EXISTING TREES TO BE RETAINED - REFERENCE NUMBER - REFER SCHEDULE
- TREE PROTECTION ZONE - REFER TREE SURVEY
- STRUCTURAL ROOT ZONE - REFER TREE SURVEY
- PROPOSED TREE PLANTING
- EXISTING TREES TO BE REMOVED - REFERENCE NUMBER - REFER SCHEDULE
- PROPOSED PAVING
- SITE BOUNDARY

REV	DESCRIPTION	DATE	APP
C	DEVELOPMENT APPLICATION	08/03/19	AT
B	CO ORDINATION	06/03/19	AT
A	ISSUED FOR INFORMATION	14/02/19	AT

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Government of Western Australia
Department of Finance
Building Management and Works

YANCHEP LAGOON PRIMARY SCHOOL
MAIN WORKS
EXISTING TREE PLAN AND SCHEDULE

DRAWN AT	DESIGNED 4LS	REDUCTION	
CHECKED AT	PRINCIPAL		
APPROVED AT	SIGNATURE		
SCALE 1:500	DATE MAR 2019	DRAWING No. L01	C
DF PROJ No.	DF FILE No.		

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DO NOT AMEND MANUALLY

LEGEND :

- EXISTING TREES TO BE RETAINED - REFER EXISTING TREE PLAN
- TREE PROTECTION ZONE - REFER TREE SURVEY
- STRUCTURAL ROOT ZONE - REFER TREE SURVEY
- PROPOSED TREE PLANTING
- EXISTING TREES TO BE REMOVED
- PROPOSED IRRIGATED TURF
- PROPOSED IRRIGATED GARDEN BED
- PROPOSED PAVING
- PROPOSED NATUREPLAY SPACE
- EXISTING GARDEN BED
- PROPOSED PLAYGROUND EQUIPMENT
- PROPOSED STONE BOULDERS
- PROPOSED SLIDE
- PROPOSED BALANCE LOGS
- PROPOSED TREE ROUNDS
- PROPOSED MASONRY RETAINING WALLS
- SITE BOUNDARY

PLANT SCHEDULE

SYMB	BOTANICAL NAME	POT SIZE	SPACING	QTY
TREES				
AF	AGONIS FLEXUOSA	100L	as indicated	12
EG	EUCALYPTUS GOMPHOCEPHALA	100L	as indicated	17
EP	EUCALYPTUS PLATYPUS	100L	as indicated	22
SHRUBS				
AL	ANIGOZANTHOS FLAVIDUS	140MM	4/M2	-
AM	ANIGOZANTHOS MANGLESII	140MM	4/M2	-
GC	GREVILLEA CRITHMIFOLIA	140MM	4/M2	-
GO	GREVILLEA OBTUSIFOLIA	140MM	4/M2	-
WF	WESTRINGIA 'BLUE GEM'	140MM	4/M2	-
REEDS AND SEDGES				
BJ	BAUMEA JUNCEA	TUBE	5/M2	-
FN	FICINIA NODOSA	TUBE	5/M2	-
JK	JUNCUS KRAUSII	TUBE	5/M2	-

REV	DESCRIPTION	DATE	APP
C	ISSUE FOR DA	21/03/19	AW
B	CO ORDINATION ISSUE	15/03/19	AT
A	DEVELOPMENT APPLICATION	08/03/19	AT

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Building Management and Works

YANCHEP LAGOON PRIMARY SCHOOL
MAIN WORKS
LANDSCAPE SITE PLAN

DRAWN	AT	DESIGNED	4LS	REDUCTION
CHECKED	AT	PRINCIPAL		
APPROVED	AT	SIGNATURE		
SCALE 1:500		DATE MAR 2019		DRAWING No. L02 C
DF PROJ No.		DF FILE No.		

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LEGEND :

- EXISTING TREES TO BE RETAINED - REFER EXISTING TREE PLAN
- TREE PROTECTION ZONE - REFER TREE SURVEY
- STRUCTURAL ROOT ZONE - REFER TREE SURVEY
- PROPOSED TREE PLANTING
- EXISTING TREES TO BE REMOVED
- PROPOSED IRRIGATED TURF
- PROPOSED IRRIGATED GARDEN BED
- PROPOSED PAVING
- PROPOSED NATUREPLAY SPACE
- EXISTING GARDEN BED
- PROPOSED PLAYGROUND EQUIPMENT
- PROPOSED STONE BOULDERS
- PROPOSED SLIDE
- PROPOSED BALANCE LOGS
- PROPOSED TREE ROUNDS
- PROPOSED MASONRY RETAINING WALLS
- SITE BOUNDARY

PLANT SCHEDULE

SYMB	BOTANICAL NAME	POT SIZE	SPACING	QTY
TREES				
AF	AGONIS FLEXUOSA	100L	as indicated	12
EG	EUCALYPTUS GOMPHOCEPHALA	100L	as indicated	17
EP	EUCALYPTUS PLATYPUS	100L	as indicated	22
SHRUBS				
AL	ANIGOZANTHOS FLAVIDUS	140MM	4/M2	-
AM	ANIGOZANTHOS MANGLESII	140MM	4/M2	-
GC	GREVILLEA CRITHMIFOLIA	140MM	4/M2	-
GO	GREVILLEA OBTUSIFOLIA	140MM	4/M2	-
WF	WESTRINGIA 'BLUE GEM'	140MM	4/M2	-
REEDS AND SEDGES				
BJ	BAUMEA JUNCEA	TUBE	5/M2	-
FN	FICINIA NODOSA	TUBE	5/M2	-
JK	JUNCUS KRAUSII	TUBE	5/M2	-

REV	DESCRIPTION	DATE	APP
C	ISSUE FOR DA	21/03/19	AW
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YANCHEP LAGOON PRIMARY SCHOOL
MAIN WORKS
LANDSCAPE SITE PLAN

DRAWN	AT	DESIGNED	4LS	REDUCTION
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SCALE 1:500		DATE MAR 2019		DRAWING No. L02 C
DF PROJ No.		DF FILE No.		

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LIGHTING LEGEND

- ROD AND WIRE SUSPENDED CONTINUOUS LENGTH EXTRUSION LIGHT FITTING
- RECESSED 1200(L) x 300(W) LIGHT FITTING
- SURFACE MOUNTED/CEILING SUSPENDED 1200(L) LIGHT FITTING. WHERE FITTING IS INSTALLED TO AN AREA WITHOUT FALSE CEILING, PROVIDE SUITABLE STAINLESS STEEL SUSPENSION CHAIN TO SUIT.
- WALL MOUNTED 1200(L) LIGHT FITTING
- WALL MOUNTED BRACKET FOR LUMINAIRE. REFER TO FITTING TYPE AS PER LIGHTING SCHEDULE
- RECESSED DOWNLIGHT
- WALL/SURFACE MOUNTED LIGHT FITTING. WALL MOUNTING HEIGHT TO BE ADVISED BY SUPERINTENDENT
- NE / 2 / LR / INT / DM / TD / NE / WP / OFF / TD2S — LIGHT/FAN SWITCH AND SWITCHWIRE (NOTE 16)
  - A - DENOTES ARCHITRAVE TYPE SWITCH
  - NE - DENOTES WITH NEON INDICATOR
  - 2 - DENOTES TWO-WAY
  - LR - DENOTES SWITCH C/W LARGE ROCKER MECHANISM TO CLIPSAL P2031VA SERIES O.A.E.
  - DM - DENOTES DIMMER. PROVIDE OSRAM ROTARY DALI MCU O.A.E. TO SUIT. SWITCH-DIM PUSH BUTTON ONLY ACCEPTABLE IF NOMINATED ON DRAWINGS. REFER DRAWING FOR EXACT REQUIREMENT. (NOTE 15)
  - INT - DENOTES INTERMEDIATE SWITCHING
  - TD - DENOTES TIME DELAY SWITCH TO CLIPSAL 31/2031VETR3 O.A.E.
  - WP - DENOTES WEATHERPROOF SWITCH TO CLIPSAL 2013V66 IP66 O.A.E
  - OFF - DENOTES MOTION SENSOR OVERRIDE OFF. INSTALL THIS SWITCH AT 1800mm AFFL.
  - TD2S - DENOTES REMOTE AUXILIARY TIME DELAY SWITCH TO SUIT CLIPSAL 31/2031VETR3.
- LSP1 SS — LIGHTING LIGHT SWITCH PANEL USING MULTI-GANG CLIPSAL SURROUND.
  SS - DENOTES STAINLESS STEEL GRID SWITCHES
- FC — FAN SWITCH CONTROL TO CLIPSAL 2032E500F O.A.E (MAXIMUM 4 OFF CEILING FANS PER SWITCH CONTROLLER) (NOTE 13)
- LSP / DM — LIGHT SWITCH CONNECTED TO LIGHT SWITCH PANEL (NOTE 12)
  DM - DENOTES LIGHT FITTINGS TO BE DIMMED. PROVIDE OSRAM ROTARY DALI MCU AT LIGHT SWITCH PANEL.
- FC — DENOTES SWITCHED BY FAN CONTROLLER. PROVIDE FAN SWITCH CONTROLLER (CLIPSAL 2032E500F O.A.E.) TO SUIT (NOTE 16 & 17)
- MD — WALL MOUNTED PASSIVE INFRA RED (PIR) MOTION DETECTOR TO MYSMART GEFL O.A.E. WITH RUN-ON TIMER SET TO 20 MINUTES. WHERE SHOWN WITH SWITCH, SET SWITCH TO OVERRIDE OFF. OVERRIDE SWITCH TO BE MOUNTED 1800 AFFL. PROVIDE SURFACE MOUNTED CANISTER TO SUIT. DISABLE LIGHT SENSING CAPABILITY BEFORE INSTALLATION ON SITE.
- MD 360 — CEILING MOUNTED PASSIVE INFRA RED (PIR) 360 DEGREE MOTION DETECTOR TO MYSTMART GEFL O.A.E. WITH RUN-ON TIMER SET TO 20 MINUTES. WHERE SHOWN WITH SWITCH, SET SWITCH TO OVERRIDE OFF. OVERRIDE SWITCH TO BE PROVIDED AT 1800 AFFL. DISABLE LIGHT SENSING CAPABILITY BEFORE INSTALLATION ON SITE.
- PE — DAYLIGHT HARVESTING SENSOR AND CONTROLLER TO STEINEL (MODEL NO: NVM5000-2) OR APPROVED EQUIVALENT. SET THRESHOLD OF THE SENSOR SUCH THAT THE SENSOR IS ABLE TO DIM THE LUMINAIRES IMMEDIATELY ADJACENT GLAZING DURING HIGH LEVEL OF AMBIENT LIGHTS. ELECTRICAL TRADE TO PROVIDE ALL LUMINAIRES THAT ARE CONNECTED TO THE DAYLIGHT HARVESTING SENSOR WITH DIMMABLE DALI ELECTRONIC CONTROL GEAR.
- SS / DS / WM — EXIT SIGN C/W LITHIUM IRON PHOSPHATE RECHARGEABLE BATTERIES TO AS2293.1
  - SS - DENOTES SINGLE SIDED.
  - DS - DENOTES DOUBLE SIDED.
  - WM - DENOTES FITTING WILL BE WALL MOUNTED AND/OR SIDE WALL MOUNTED. PROVIDE ALL NECESSARY SIDE WALL BRACKET AND ACCESSORIES TO SUIT.
- SS / DS / WM — EXIT SIGN C/W LITHIUM IRON PHOSPHATE RECHARGEABLE BATTERIES TO AS2293.1 C/W DIRECTIONAL ARROW.
  - SS - DENOTES SINGLE SIDED.
  - DS - DENOTES DOUBLE SIDED.
  - WM - DENOTES FITTING WILL BE WALL MOUNTED AND/OR SIDE WALL MOUNTED. PROVIDE ALL NECESSARY SIDE WALL BRACKET AND ACCESSORIES TO SUIT.
- SINGLE-POINT EMERGENCY LIGHT FITTING C/W LITHIUM IRON PHOSPHATE RECHARGEABLE BATTERIES TO AS2293.1
- XXXX 1200 — 1200mmØ CEILING FAN WITH 3 OFF CLEAR POLYCARBONATE BLADES. INSTALL THE FAN SUCH THAT THE SUSPENSION HEIGHT TO THE UNDERSIDE OF THE BLADES IS 2500mm. ALL METAL PARTS OF THE FAN TO BE FINISHED WHITE. PROVIDE ALL NECESSARY UNISTRUT SUPPORT STRUCTURE FOR THE INSTALLATION OF CEILING FAN.
- ST — SOLAR TUBE LIGHT SWITCH LOCATION. SCOPE OF WORKS BETWEEN SOLAR TUBE INSTALLER AND ELECTRICAL TRADE AS FOLLOWS:
  - A) BY ELECTRICAL TRADE:
    - PROVIDE A LIGHT SWITCH MOUNTING BLOCK ON THE WALL (AND ASSOCIATED BACK BOX). MOUNTING BLOCK TO SUIT THE LIGHT SWITCH THAT WILL BE PROVIDED AND INSTALLED BY THE SOLAR TUBE INSTALLER.
    - PROVIDE 25mm CONDUIT PATHWAY FROM THE MOUNTING BLOCK/BACKBOX TO ACCESSIBLE CEILING SPACE ABOVE, TO FACILITATE CABLING INSTALLATION BY SOLAR TUBE INSTALLER.
  - B) BY SOLAR TUBE INSTALLER:
    - SUPPLY AND INSTALL THE LIGHT SWITCH FOR THE SOLAR TUBE LIGHT. INSTALL THIS SWITCH ONTO THE MOUNTING BLOCK PROVIDED BY THE ELECTRICAL TRADE.
    - SUPPLY AND INSTALL ALL WIRINGS FROM SOLAR TUBE LIGHT TO LIGHT SWITCH, USING THE CONDUIT PATHWAY PROVIDED BY THE ELECTRICAL TRADE.

COMMUNICATIONS LEGEND

- 1 — SINGLE CATEGORY 6 COMMUNICATIONS OUTLET ON CLIPSAL 2000 O.A.E. FACEPLATES TO BE MOUNTED ON SAME HEIGHT AS ADJACENT SOCKET OUTLET (WHERE APPLICABLE) (NOTE 7)
- 2 — DOUBLE CATEGORY 6 COMMUNICATIONS OUTLET ON CLIPSAL 2000 O.A.E. FACEPLATES TO BE MOUNTED ON SAME HEIGHT AS ADJACENT SOCKET OUTLET (WHERE APPLICABLE) (NOTE 7)
- COMM RACK — 19" COMMUNICATIONS EQUIPMENT RACK COMPLETE WITH PA SYSTEM EQUIPMENT.
- AV — AV PLATE WITH CONDUIT PROVISION FOR FUTURE CABLING. FINAL MOUNTING POSITION TO BE CONFIRMED WITH SCHOOL AND SUPERINTENDENT PRIOR TO INSTALLATION
- USB — USB PLATE WITH CONDUIT PROVISION FOR FUTURE CABLING. FINAL MOUNTING POSITION TO BE CONFIRMED WITH SCHOOL AND SUPERINTENDENT PRIOR TO INSTALLATION

SECURITY LEGEND

- RAT — REMOTE ARMING SECURITY KEYPAD MOUNTED AT SAME HEIGHT AS LIGHT SWITCH. SUPPLY AND INSTALL INTERFACING CABLE TO THE ASSOCIATED ELECTRICAL SWITCHBOARD IN THAT ZONE.
- SAP — SECURITY ALARM PANEL (HEADEND EQUIPMENT)
- DGP — DATA GATHERING PANEL FOR INTRUDER ALARM SYSTEM
- SMD — PASSIVE INFRA RED MOTION DETECTOR CONNECTED TO THE SECURITY ALARM SYSTEM
- HD RS — CONCEALED MAGNETIC REED SWITCH (WHERE USED IN ROLLER DOOR APPLICATION, SUPPLY AND INSTALL HEAVY DUTY TYPE TO SUIT)
  HD - DENOTES HEAVY DUTY TYPE FOR ROLLER DOOR OPERATION
- D C — DURESS BUTTON + DURESS CANCEL BUTTON CONNECTED TO THE SECURITY ALARM SYSTEM. MOUNTED UNDER THE DESK
- DRP — DURESS RECEIVE POINT CONNECTED TO THE SECURITY ALARM SYSTEM
- WM — WALL MOUNTED SMOKE DETECTOR LED INDICATOR. PROVIDE 1 OFF TO CONNECT TO THE SMOKE DETECTOR OF EACH ELECTRICAL CUPBOARD AND PROVIDE 1 OFF TO CONNECT TO THE SMOKE DETECTOR OF EACH COMMUNICATION CUPBOARD
- SMOKE DETECTOR, CONNECTED TO THE SECURITY ALARM SYSTEM. DETECTOR MUST NOT BE INSTALLED CLOSER THAN 400mm TO AIR SUPPLY OPENING AND MUST NOT BE INSTALLED CLOSER THAN 400mm OUTSIDE THE CIRCUMFERENCE OF CEILING FAN REGARDLESS OF HOW THIS IS INDICATED ON THE DRAWINGS AND CEILING PLAN. RELOCATE DETECTORS ON SITE TO SUIT. WHERE DETECTOR IS INSTALLED TO AN AREA WITHOUT FALSE CEILING, PROVIDE SUITABLE HANGER ROD TO SUIT. 1 OFF SMOKE DETECTOR MUST BE PROVIDED TO THE ELECTRICAL CUPBOARD AND COMMUNICATION CUPBOARD EVEN IF THESE ARE NOT INDICATED ON THE DRAWINGS.
- THERMAL DETECTOR, CONNECTED TO THE SECURITY ALARM SYSTEM. DETECTOR MUST NOT BE INSTALLED CLOSER THAN 400mm TO AIR SUPPLY OPENING AND MUST NOT BE INSTALLED CLOSER THAN 400mm OUTSIDE THE CIRCUMFERENCE OF CEILING FAN REGARDLESS OF HOW THIS IS INDICATED ON THE DRAWINGS AND CEILING PLAN. RELOCATE DETECTORS ON SITE TO SUIT. WHERE DETECTOR IS INSTALLED TO AN AREA WITHOUT FALSE CEILING, PROVIDE SUITABLE HANGER ROD TO SUIT.

POWER LEGEND

- NE — 10A SINGLE SWITCHED SOCKET OUTLET (UNDER SURGE PROTECTED CIRCUITS) (NOTE 3)
  NE - DENOTES SOCKET OUTLET WITHOUT REMOVABLE SURROUNDS BUT WITH RED NEON INDICATOR LIGHT
- 15A — 15A SINGLE SWITCHED SOCKET OUTLET TO CLIPSAL 2000 O.A.E.
- NE — 10A DOUBLE SWITCHED SOCKET OUTLET TO CLIPSAL 2000 O.A.E. (UNDER SURGE PROTECTED CIRCUITS) (NOTE 3)
  NE -DENOTES SOCKET OUTLET WITHOUT REMOVABLE SURROUNDS BUT WITH RED NEON INDICATOR LIGHT
- XXXX — SUSPENDED 10A SINGLE SWITCHED SOCKET OUTLET TO CLIPSAL 56SP0310 O.A.E. C/W STAINLESS STEEL SUSPENSION CHAIN AND CABLES. CHAIN TO BE SUSPENDED AND ANCHORED SECURELY TO BUILDING/ROOF STRUCTURE. ANY TENSION AND STRESS TO THE SUSPENDED GPO MUST BE CARRIED BY THE CHAIN AND NOT THE CABLES. PROVIDE CABLE TIES AS REQUIRED FOR A NEAT INSTALLATION. PROVIDE CARABINER TO ALLOW THE PENDANT GPO TO BE RAISED.
  XXXX - DENOTES SUSPENDED HEIGHT WITH RESPECT TO FINISHED FLOOR LEVEL
- XXXX — 2 OFF SUSPENDED 10A SINGLE SWITCHED SOCKET OUTLET TO CLIPSAL 56SP0310 O.A.E. C/W STAINLESS STEEL SUSPENSION CHAIN AND CABLES. CHAIN TO BE SUSPENDED AND ANCHORED SECURELY TO BUILDING/ROOF STRUCTURE. ANY TENSION AND STRESS TO THE SUSPENDED GPO MUST BE CARRIED BY THE CHAIN AND NOT THE CABLES. PROVIDE CABLE TIES AS REQUIRED FOR A NEAT INSTALLATION. PROVIDE CARABINER TO ALLOW THE PENDANT GPO TO BE RAISED.
  XXXX - DENOTES SUSPENDED HEIGHT WITH RESPECT TO FINISHED FLOOR LEVEL
- FB1 — STAINLESS STEEL FLOOR BOX TO ECD FB4SR70 O.A.E. COMPLETE WITH 4 x AUTO SWITCH GPO'S AND 4 x DATA OUTLETS. LID OF FLOOR BOX TO HAVE SUITABLE REBATE FOR FLOOR FINISH SUCH AS CARPET. PROVIDE MINIMUM 1 x 32P CONDUIT AND 2 x 32C CONDUIT FROM THE LOCAL DISTRIBUTION BOARD AND COMMUNICATION RACK RESPECTIVELY. BUILDER TO ALLOW ALL PROVISIONS TO THICKEN THE FLOOR SLAB WHERE REQUIRED TO FACILITATE THE INSTALLATION.
- HD — HAND DRYER TO JD MACDONALD AUTOBEAM (SATIN CHROME) O.A.E. HAND DRYER TO BE DIRECT CONNECTED. LIAISE WITH MANUFACTURER AND ENSURE THAT HAND DRYER HAS THE APPROPRIATE WIRING TERMINAL FOR DIRECT CONNECTION.
- IK — INSECT KILLER UNIT (NOMINATED HEIGHT = 2000mm AFFL TO THE UNDERSIDE OF UNIT). PROVIDE WALL MOUNTED CONTROL SWITCH AT THE SAME HEIGHT AS LIGHT SWITCHES THAT CONTROL THE GPO SERVING THE INSECT KILLER UNIT.
- DIRECT CONNECTION VIA SINGLE PHASE ISOLATOR - 240 VOLT (RATING AS SHOWN OR SCHEDULED) (CLIPSAL WHA/WHB SERIES UNLESS OTHERWISE NOTED). PROVIDE SUITABLE RATING TO SUIT EQUIPMENT THAT WILL BE CONNECTED BUT MINIMUM RATING SHALL BE NO LESS THAN 20A. WHERE THE ELECTRICAL LOAD IS AN OUTDOOR CONDENSING UNIT, THE EARTH CABLE SHALL BE MINIMUM 10mm2 REGARDLESS OF THE SIZE OF THE PHASE CONDUCTOR IN ACCORDANCE WITH AS3000 AND AS62013.
- DIRECT CONNECTION VIA THREE PHASE ISOLATOR - 415 VOLT (RATING AS SHOWN OR SCHEDULED) (CLIPSAL WHB SERIES O.A.E. UNLESS OTHERWISE NOTED). PROVIDE SUITABLE RATING TO SUIT EQUIPMENT THAT WILL BE CONNECTED BUT MINIMUM RATING SHALL BE NO LESS THAN 20A. WHERE THE ELECTRICAL LOAD IS AN OUTDOOR CONDENSING UNIT, THE EARTH CABLE SHALL BE MINIMUM 10mm2 REGARDLESS OF THE SIZE OF THE PHASE CONDUCTOR IN ACCORDANCE WITH AS3000 AND AS62013.
- HP — DIRECT CONNECTION FOR HOT PLATE VIA WEATHERPROOF CLIPSAL ISOLATOR AND SWITCHED BY CLIPSAL 2031/45N 45A SINGLE POLE COOKER SWITCH WITH NEON LIGHT INDICATOR. PROVIDE SUITABLE ISOLATOR RATING TO SUIT EQUIPMENT THAT WILL BE CONNECTED BUT MINIMUM RATING SHALL BE NO LESS THAN 40A. REFER ARCHITECTUAL JOINERY DRAWING TO DETERMINE THE EXACT LOCATION OF COOKER SWITCH.
- OV — DIRECT CONNECTION FOR OVEN VIA WEATHERPROOF CLIPSAL ISOLATOR AND SWITCHED BY CLIPSAL 2031/45N 45A SINGLE POLE COOKER SWITCH WITH NEON LIGHT INDICATOR. PROVIDE SUITABLE ISOLATOR RATING TO SUIT EQUIPMENT THAT WILL BE CONNECTED BUT MINIMUM RATING SHALL BE NO LESS THAN 40A. REFER ARCHITECTUAL JOINERY DRAWING TO DETERMINE THE EXACT LOCATION OF OVEN CONTROL SWITCH. PROVIDE RESTRAINING SAFETY CHAIN TO OVEN TO PREVENT THE OVEN FROM TILTING FORWARD.
- ELECTRICAL DISTRIBUTION BOARD
- SOLAR — SOLAR PV INVERTER SYSTEM COMPLETE WITH MODBUS INTERFACING PORT. PROVIDE A DATA OUTLET ADJACENT TO THE INVERTER.
- CET — COMMUNICATION EARTH TERMINAL TO TO DEHN K12 (PART NO: 563200) O.A.E.
- 2 CHANNEL 150x50mm WALL DUCT/BENCH DUCT TO CLIPSAL MODULINE PL50150D O.A.E. C/W CLIP-IN LID. REFER TO ARCHITECTURAL DETAIL FOR EXACT MOUNTING HEIGHTS AND POSITION. EXACT COLOUR TO BE SPECIFIED BY ARCHITECT. ENSURE DUCTING FINISHES 200mm SHORT OF ANY OPENINGS/DOORS.
- SWITCHBOARD DEMARCATION BOUNDARY
- P — ORANGE HEAVY DUTY POWER CONDUIT INSTALLED BELOW FLOOR SLAB. SIZE AS SHOWN ON DRAWINGS
- C — HEAVY DUTY COMMUNICATIONS CONDUIT INSTALLED BELOW FLOOR SLAB. SIZE AS SHOWN ON DRAWINGS

PUBLIC ADDRESS LEGEND

- PA — PA HEADEND EQUIPMENT/SYSTEM
- PAT — PA SYSTEM TERMINATION ENCLOSURE C/W TRANSPARENT LOCKABLE COVER. NON-TRASPARENT COVER IS NOT ACCEPTABLE AND WILL BE REJECTED.
- VC — SPEAKER VOLUME CONTROL UNIT (MINIMUM 100W CAPACITY) WITH ALL CALL OVERRIDE TO AUSTRALIAN MONITOR WMA100CW O.A.E MOUNTED ON CLIPSAL 2000 O.A.E. FACE PLATE. VOLUME CONTROLLER MUST BE CAPABLE OF BEING MOUNTED ON A CLIPSAL 2000 MULTI-GROUP SURROUND FACEPLATE. SELECT CORRECT BRAND/ MAKE TO SUIT.
- MC / PA — MICROPHONE OUTLET
  PA - DENOTES PAGING CONSOLE FOR PA SYSTEM AND ASSOCIATED PUSH BUTTON SWITCHES FOR PA ALERT TONES. PROVIDE A DOUBLE DATA OUTLET FOR THE PAGING CONSOLE.
  MC - DENOTES MICROPHONE XLR OUTLET ON METALCLAD FACEPLATE. TYPICAL MOUNTING HEIGHT TO BE 300mm AFFL, U.N.O
- SIREN TO SIRENA MINI CELEREST 240V OR APPROVED EQUIVALENT.
- SM — RECESSED LOW PROFILE LOCAL PA SPEAKER WITH SLIMLINE CEILING GRILLE. ALL PA SPEAKERS MUST BE ENGINEERED TO MEET AS1670.4 REQUIREMENT ESPECIALLY IN REGARDS TO SOUND INTELLIGIBILITY. WHERE SPEAKER IS MOUNTED IN AN AREA WITHOUT FALSE CEILING SPACE PROVIDE SURFACE MOUNTED SPEAKER ENSURE SPEAKER IS SECURELY MOUNTED TO THE CEILING.
  SM - DENOTES SURFACE MOUNTED SPEAKER.
- SOUND REINFORCEMENT SPEAKER COMPLETE WITH MOUNTING SUPPORT TO ROOF STRUCTURE. PROVIDE BALL IMPACT WIRE GUARD TO SUIT. PROVIDE SAFETY CHAIN TO SAFEGUARD THE SPEAKER FROM FALLING.

EMERGENCY CALL SYSTEM LEGEND

- DISABLED TOILET ASSISTANT CALL PUSHBUTTON. ENSURE PUSHBUTTON IS NOT OBSTRUCTED BY EQUIPMENT SUCH AS SAFTEY RAILS AND THE LIKE.
- ECS — EMERGENCY CALL COMBINED INDICATOR AND BUZZER MOUNTED 100mm ABOVE DOOR HEAD HEIGHT U.N.O.
- CEILING MOUNTED VISUAL INDICATOR
- ECS — DISABLED TOILET EMERGENCY CALL MIMIC PANEL C/W LED INDICATING LIGHT EXACT POSITION TO BE CONFIRMED BY SUPERINTENDENT.
- ### — WALL/CEILING MOUNTED SINGLE SIDED LED ANNUNCIATOR PANEL TO SUIT THE DISABLED TOILET EMERGENCY CALL SYSTEM. EXACT POSITION TO BE CONFIRMED BY SUPERINTENDENT.

SITE PLAN LEGEND

LY"XX" / 1P32 (SPARE)

- "XX" DENOTES THE NUMBER OF LAYERS THE CONDUITS SHALL BE INSTALLED IN
- WHERE SHOWN DENOTES SPARE CONDUIT) (NOTE 7)
- DENOTES 32mm UNDERGROUND CONDUIT
- P - DENOTES HEAVY DUTY ORANGE POWER CONDUIT. PROVIDE 2.5mm² PVC DRAW WIRES
- T - DENOTES TELSTRA CONDUIT. PROVIDE 2.5mm² PVC DRAW WIRES.
- N - DENOTES NBN CONDUIT. PROVIDE 2.5mm² PVC DRAW WIRES.
- ALL TELSTRA AND NBN WORKS TO BE CARRIED OUT BY COMPETANT AND LICENSED CONTRACTORS AND IN FULL COMPLIANCE WITH THE LATEST REQUIREMENT OF TELSTRA AND/OR COMMUNICATION ALLIANCE INDUSTRY GUIDELINE G645.
- C - DENOTES WHITE CLASS 12 COMMUNICATIONS CONDUIT.
- 1 DENOTES NUMBER OF CONDUITS

- P — POWER PIT TO BURDEN EZYSTACK O.A.E (SIZE AS REQUIRED). DEPTH OF PITS TO SUIT SITE CONDITIONS (UP TO 1200mm DEPTH) (NOTE 14 & 15).
- E — EARTH PIT TO BURDEN WITH GALVANIZED LID.
- T — TELSTRA AND/OR NBN PIT COMPLETE WITH ALL ACCESSORIES (SUCH AS BELL MOUTH SOCKETS AND THE LIKE) TO BE FULLY COMPLIANT WITH COMMUNICATION ALLIANCE INDUSTRY GUIDELINE G645.
- C — COMMUNICATIONS PIT TO BURDEN EZYSTACK O.A.E. (SIZE AS REQUIRED). DEPTH OF PITS TO SUIT SITE CONDITIONS (UP TO 1200mm DEPTH) (NOTE 14 & 15)
- POLE TOP MOUNTED LIGHT FITTING C/W STEPPED-PIPE POLE (NOTE 8)
- CAR PARK LIGHT FITTING C/W STEPPED PIPE POLE (NOTE 8)
- COMM RACK — COMMUNICATIONS CABINET
- SWITCHBOARD
- CONDUIT CAPPED AND TERMINATED FOR FUTURE EXTENSION. SURVEYED EXACT POSITIONS OF TERMINATION POINT ON AS-CONSTRUCTED DRAWINGS.
- T — UNDERGROUND TELSTRA/NBN CONDUIT. ENGAGE TELSTRA APPROVED CONTRACTOR TO COMPLETE THE WORKS. INCLUDE ALL ASSOCIATED COSTS IN TENDER PRICE. CONDUIT SIZE AS DENOTED ON THE DRAWING. REFER TO DRAWING E.48 FOR DEPTH OF COVER AND CLEARANCE REQUIREMENT.
- P — UNDERGROUND POWER CONDUIT, ORANGE HEAVY DUTY PVC WITH 2.5mm² DRAW WIRE. CONDUIT SIZE AS DENOTED ON THE DRAWING. REFER TO DRAWING E.48 FOR DEPTH OF COVER AND CLEARANCE REQUIREMENT.
- C — UNDERGROUND COMMUNICATIONS CONDUIT, WHITE CLASS 12 HEAVY DUTY PVC WITH 2.5mm² DRAW WIRE. CONDUIT SIZE AS DENOTED ON THE DRAWING. REFER TO DRAWING E1.32 FOR DEPTH OF COVER AND CLEARANCE REQUIREMENT.

SINGLE LINE AND SCHEMATIC LEGEND

- CIRCUIT BREAKER TO AS60947-2 (RCD PROTECTION TO BE PROVIDED AS PER AS3000)
- ISOLATOR/LOAD BREAK SWITCH
- CONTACTOR (NORMALLY CLOSED)
- CONTACTOR (NORMALLY OPEN)
- PUSHBUTTON SWITCH (PUSH TO ENERGISE)
- A/B — DENOTES MCCB WITH FRAME SIZE OF "B" AMPERAGE RATING AND TRIP UNIT RATING OF "A" AMPERAGE RATING. (E.G. 100A MCCB FRAME SIZE WITH 32A TRIP UNIT)
- R — RELAY
- C — CONTACTOR
- T1 — TIME DELAY
- SINGLE PHASE CIRCUIT
- THREE PHASE CIRCUIT
- PM — SOCOMEC DIGIWARE METER O.A.E. MODEL AS SHOWN. METER MUST HAVE BUILT-IN BATTERY BACKUP.
- 16/20 — FUSE
  16 - (CARTRIDGE RATING)
  20 - (BASE RATING)
- SPARK GAP TYPE SURGE PROTECTIVE. MODEL AS SHOWN.
- EARTHING

MATV LEGEND

- MATV ANTENNA. EXACT POSITION TO BE DETERMINED ON SITE BY MATV INSTALLER IN CONJUNCTION WITH SUPERINTENDENT'S REPRESENTATIVES.
- MATV — MATV HEADEND EQUIPMENT C/W AMPLIFIER AND SPLITTER
- MATV OUTLET MOUNTED ADJACENT TO SOCKET OUTLET WHERE APPLICABLE.

ABBREVIATION LEGEND

A	- DENOTES ARCHITRAVE TYPE LIGHT SWITCH
AB	- DENOTES EQUIPMENT MOUNTED 200mm ABOVE BENCH, U.N.O.
AC	- DENOTES AIR CONDITIONER. ALL POWER SUPPLY TO OUTDOOR CONDENSING UNIT SHALL BE PROVIDED WITH AN EARTHING CONDUCTOR OF 10mm2 REGARDLESS OF THE PHASE CONDUCTOR SIZE IN ACCORDANCE WITH AS3000 AND AS62103.
AD	- DENOTES OUTLET FOR AUTO DOOR
AF	- DENOTES AUTO FLUSH
AFFL	- DENOTES ABOVE FINISHED FLOOR LEVEL
BD	- DENOTES OUTLET MOUNTED ON WALL DUCT
BM	- DENOTES OUTLET MOUNTED ON BENCH
BWU	- DENOTES BOILING WATER UNIT
CDF	- DENOTES COMMUNICATION DISTRIBUTION FRAME
CL	- DENOTES CLIPSAL CLEANER OUTLET (WHITE COLOUR)
CM	- DENOTES CEILING MOUNTED EQUIPMENT
CR	- DENOTES OUTLET FOR CASH REGISTER
CS	- DENOTES CEILING SPACE MOUNTED EQUIPMENT
CT	- DENOTES OUTLET FOR GAS COOKTOP
C/W	- DENOTES "COMPLETE WITH"
CWDU	- DENOTES COLD WATER DRINKING UNIT
DM	- DENOTES DIMMER SWITCH AND/OR UNDER DIMMING CIRCUIT. PROVIDE DALI DIMMABLE ELECTRONIC CONTROL GEAR FOR ALL LUMINAIRES UNDER THIS CIRCUIT.
DR	- DENOTES OUTLET FOR CLOTHES DRYER
DW	- DENOTES OUTLET FOR DISHWASHER
EF	- DENOTES EXHAUST FAN
EH	- DENOTES ELECTRIC HEATER
ELF	- DENOTES ELECTRONIC FLUSHER
ELV	- DENOTES EXTRA LOW VOLTAGE
ECS	- DENOTES OUTLET FOR EMERGENCY CALL SYSTEM
ET	- DENOTES OUTLET FOR ELECTRIC TAP
EVAP	- DENOTES EVAPORATIVE COOLER
EXH	- DENOTES EXHAUST HOOD LIGHTING
(EX)	- DENOTES EXISTING
FC	- DENOTES FAN CONTROLLER (500VA RATED)
FCU	- DENOTES OUTLET FOR FAN COIL UNITS
FM	- DENOTES FLOOR MOUNTED EQUIPMENT
FR	- DENOTES OUTLET FOR FRIDGE ENGRAVED "FRIDGE ONLY". MOUNTED AT 1200mm AFL UNO.
FZ	- DENOTES OUTLET FOR FREEZER
GH	- DENOTES OUTLET FOR GAS HEATER
GPO	- DENOTES GENERAL SOCKET OUTLET
HD	- DENOTES HAND DRYER
HL	- DENOTES EQUIPMENT MOUNTED AT HIGH LEVEL
HP	- DENOTES OUTLET FOR HOT PLATE/INDUCTION COOKTOP
HT	- DENOTES SEMI-RECESSED LOCKABLE OUTLET FOR HOSE TAP TO CLIPSAL 56C310 O.A.E. COMPLETE WITH 56K1SW220 O.A.E. DOUBLE POLE SWITCH. PROVIDED A MATCHING FLUSH SURROUND FACEPLATE TO FACILITATE THE INSTALLATION TO BE A SEMI-RECESSED POWER OUTLET.
HWU	- DENOTES HOT WATER UNIT
IK	- DENOTES OUTLET FOR INSECT KILLER UNIT. PROVIDE WALL MOUNTED CONTROL SWITCH AT SAME HEIGHT AS LIGHT SWITCHES. ENGRAVED, PIGMENT FILLED AND MARKED THE SWITCH "INSECT KILLER"
IWB	- DENOTES INTERACTIVE WHITE BOARD
KILN	- DENOTES CONNECTION FOR ELECTRIC KILN
KS	- DENOTES KEY SWITCH
Ln	- DENOTES LIGHT CIRCUIT (WHERE 'n' IS THE CIRCUIT NO.) EG. L1
LSP	- DENOTES SWITCH WIRE CONNECTED TO LIGHT SWITCH PANEL
LR	- DENOTES SWITCHES/GPO'S WITH LARGE ROCKER SWITCH TO CLIPSAL P2025/2 O.A.E.. (NOTE 5)
LL	- DENOTES OUTLET FOR LAPTOP LOCKER. INSTALLED TO SUIT EQUIPMENT. POWER SUPPLY TO EACH OUTLET SHALL BE OF A DIFFERENT PHASE AND CIRCUIT TO THE OTHER SIMILAR OUTLETS IN THE SAME ROOM.
MATV	- DENOTES OUTLET FOR MATV SYSTEM
MC	- DENOTES METAL CLAD TYPE OUTLET TO CLIPSAL B25SA O.A.E.
MP	- DENOTES MICROPHONE OUTLET
MW	- DENOTES OUTLET FOR MICROWAVE
(N)	- DENOTES NEW
NE	- DENOTES OUTLET WITH NEON INDICATOR
N.I.C.	- DENOTES "NOT IN CONTRACT"
O.A.E.	- DENOTES "OR APPROVED EQUIVALENT"
OAF	- DENOTES OUTSIDE AIR FAN
OL	- DENOTES OUTLET FOR OPERABLE LOUVERS
OV	- DENOTES OUTLET FOR OVEN
PA	- DENOTES OUTLET FOR PA SYSTEM
Pn	- DENOTES POWER CIRCUIT (WHERE 'n' IS THE CIRCUIT NO.) EG. P1
PR	- DENOTES OUTLET FOR PRINTER DEVICE
REL	- DENOTES THE RELOCATION OF EXISTING SERVICES TO A NEW LOCATION
RH	- DENOTES OUTLET FOR RANGE HOOD
RM	- DENOTES ROOF MOUNTED EQUIPMENT
RS	- DENOTES OUTLET FOR ROLLER SHUTTER. VERIFY THE EXACT LOCATION OF MOTORIZED MECHANISM TO THE ROLLER SHUTTER WITH THE BUILDER. POWER OUTLETS SHALL BE PROVIDED TO SUIT
SAP	- DENOTES OUTLET FOR SECURITY ALARM PANEL
SEC	- DENOTES CONTACTOR REQUIRED FOR SECURITY LIGHTING CIRCUIT
SM	- DENOTES SURFACE MOUNTED
TD1	- DENOTES TIME DELAY SWITCH SET TO 3.5 HOURS TO CLIPSAL 30/2031VETR3 O.A.E. TIME DELAY SWITCH TO SUIT
TD2	- DENOTES TIME DELAY SWITCH SET TO 3.5 HOURS TO CLIPSAL 30/2031VETR3 O.A.E. TIME DELAY SWITCH TO SUIT
TD3	- DENOTES TIME DELAY SWITCH SET TO 3.5 HOURS TO CLIPSAL 30/2031VETR3 O.A.E. TIME DELAY SWITCH TO SUIT
T/C	- DENOTES CONTACTOR REQUIRED FOR TIMECLOCK LIGHTING CIRCUIT
UB	- DENOTES OUTLET MOUNTED UNDER BENCH
U.N.O	- DENOTES "UNLESS NOTED OTHERWISE"
URL	- DENOTES OUTLET FOR URINAL SENSOR
VC	- DENOTES VOLUME CONTROLLER
WAP	- DENOTES OUTLET FOR WIRELESS ACCESS POINT. PROVIDE A DOUBLE DATA OUTLET POINT FOR EACH WIRELESS ACCESS POINT
WM	- DENOTES WALL MOUNTED EQUIPMENT
WP	- DENOTES MINIMUM IP65 RATED WEATHERPROOF EQUIPMENT. ALL EXTERNAL MOUNTED GPO TO THE BUILDING SHALL BE SEMI-RECESSED CLIPSAL 56 SERIES O.A.E. AND FITTED WITH A MATCHING FLUSH SURROUND FACEPLATE TO SUIT.
/S	- DENOTES SECURITY LIGHTING CIRCUIT
/T	- DENOTES EXTERNAL TIMECLOCK LIGHTING CIRCUIT
/T1	- DENOTES EXTERNAL TIMECLOCK LIGHTING CIRCUIT UNDER TIME GROUP 1
/T2	- DENOTES EXTERNAL TIMECLOCK LIGHTING CIRCUIT UNDER TIME GROUP 2
2	- DENOTES 2 WAY LIGHT SWITCH
XXXX	- DENOTES EQUIPMENT MOUNTED AT XXXXmm AFFL, SUCH AS 2700mm AFFL
XXA, EG. 20A	- DENOTES EQUIPMENT RATED AT XX AMPS, SUCH AS 20 AMPS

ENGRAVING DETAILS OF EQUIPMENT

ALL ENGRAVING SHALL BE CARRIED OUT ON OUTLETS ONLY AND NOT REMOVABLE COVERPLATES. ADDITIONAL ENGRAVING TO EQUIPMENT SHALL BE PROVIDED AS INDICATED ON LAYOUT DRAWINGS.

NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ELECTRICAL SERVICES SECTION OF THE SPECIFICATION, THE ARCHITECTURAL DRAWINGS AND ALL OTHER RELEVANT SERVICES DRAWINGS. FINAL POSITION OF ALL EQUIPMENT TO BE DETERMINED ON SITE PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS ESPECIALLY THE ROOM ELEVATIONS. EXACT LOCATION OF BENCH DUCTS, SWITCHES, GPOs AND DATA OUTLETS SHALL BE SETOUT IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS IF SHOWN ON INTERNAL ELEVATIONS. EXTENT OF SERVICES ON BENCH DUCTS SHALL BE REFERRED TO THE ELECTRICAL DOCUMENTATION.
2. ALL EQUIPMENT AND ACCESSORIES SHALL BE NEW UNLESS NOTED OTHERWISE. WHERE A PARTICULAR MANUFACTURE/BRAND/MAKE/TRADE NAME IS NOMINATED FOR AN ELECTRICAL EQUIPMENT AND ACCESSORIES, A SIMILAR PRODUCT EQUIVALENT IN FUNCTION AND QUALITY MAY BE ACCEPTABLE SUBJECT TO THE APPROVAL OF THE SUPERINTENDENT.
3. CLIPSAL 2000 SERIES FLUSH PLATES WITH REMOVABLE SURROUNDS SHALL BE PROVIDED THROUGHOUT FOR ALL SWITCHES, GPO's AND DATA OUTLETS
4. RATINGS AND TERMINATIONS OF ALL EQUIPMENT TO BE CONFIRMED WITH SUPPLIER/MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION.
5. ALL DISABLED TOILETS SHALL BE PROVIDED WITH LIGHT SWITCHES AND GPO'S OF LARGE ROCKER TYPE REGARDLESS OF WHETHER THIS IS SHOWN ON DRAWINGS.
6. SPARE CONDUITS SHALL BE RESERVED FOR FUTURE CABLES. DO NOT RUN ANY CABLES IN CONDUITS DESIGNATED AS SPARE. PROVIDE 2.5mm² PVC DRAW WIRES TO SUIT.
7. ALL ELECTRICAL AND COMMUNICATION PITS SHALL HAVE LIDS FLUSH MOUNTED TO ADJACENT SURFACE FINISH. ALL PITS SHALL BE INSTALLED ON A 200mm BED OF BLUE METAL TO ASSIST DRAINAGE.
8. ALL LIGHT POLES SHALL BE HEAVY DUTY ROUND NON-TAPERED, CORROSION-PROOF TREATED, HOT-DIPPED GALVANIZED STEPPED PIPE COLUMNS WITH HIGH BUILD UV RESISTANT EPOXY PAINT OVER TO A COLOUR NOMINATED BY THE SUPERINTENDENT. THE EPOXY PAINT SPECIFICATION SHALL COMPLY WITH TYPE B2 OF STEELWORK SURFACE TREATMENT. REFER STRUCTURAL DOCUMENTATION FOR MORE INFORMATION AND REQUIREMENT. ALL POLES SHALL BE BASE PLATE MOUNTED & BOLTED ONTO FULLY ASSEMBLED AND WELDED REINFORCEMENT CAGE CONCRETE FOUNDATIONS WITH HOT-DIPPED GALVANIZED FOUNDATION BOLTS. THE POLE AND ASSOCIATED FOUNDATIONS AND STRUCTURAL ELEMENTS SHALL BE SIZED AND CERTIFIED BY PRACTICING STRUCTURAL ENGINEER TO SUIT THE WIND & SOIL CONDITION OF THE SITE. POLE TO BE NOMINALLY 4.5mm THICK. CONFIRM FINAL POLE DIAMETER SIZE WITH THE SUPERINTENDENT PRIOR TO MANUFACTURING. PROVIDE WELDED BASE COVER TO CONCEAL ALL PROTRUDING BOLTS. TOP OF POLE BASE PLATES TO BE ABOVE FINISHED GROUND LEVEL FOLLOWING ERECTION. ALL METAL COMPONENTS BELOW GROUND INCLUDING HOLDING DOWN BOLTS SHALL BE COATED IN A BITUMINOUS COATING PRIOR TO BACK FILL. A SAND AND CEMENT MIXED SCREED SHALL BE INSTALLED BETWEEN THE TOP OF THE CONCRETE FOUNDATION AND UNDERSIDE OF POLE BASE PLATE FOLLOWING ERECTION AND LEVELING OF POLES. PROVIDE HOT-DIPPED GALVANIZED ACCESS DOOR AND HIGH BUILD UV RESISTANT EPOXY PAINT OVER TO THE SAME COLOUR AS THE POLE. PROVIDE SUITABLE SPIGOT MOUNT TO SUIT THE LIGHT FITTING. ELECTRICAL TRADE TO ENSURE THAT THE POSITION OF THE ACCESS DOOR MUST BE AWAY FROM PATHWAY AND FENCING TO FACILITATE MAINTENANCE PURPOSES. LIAISE WITH THE POLE MANUFACTURER TO ENSURE THAT THIS REQUIREMENT IS ACHIEVED. ALL CAR PARK LIGHTING AND STREET LIGHT POLES MUST BE APPROPRIATELY SET BACK FROM THE ROAD KERB. WHERE THE LIGHT POLES ARE POSITIONED NEAR THE KERB, POSITION THE POLE NOMINALLY 1450mm FROM THE OUTER SIDE OF THE KERB TO THE INNER SIDE OF THE FLANGE PLATE TO THE LIGHT POLE IN ORDER TO ALLOW AT LEAST 1200mm CLEAR WIDTH FOR SAFE PASSAGE. ELECTRICAL TRADE TO NOTE THAT THIS IS AN INDICATIVE DIMENSION. SEEK CONFIRMATION FROM THE SUPERINTENDENT BEFORE INSTALLATION OF POLE FOUNDATION. ALL POLES MUST BE EARTHED BY A STURDY EARTHING LUG. EACH LIGHTING POLE MUST BE PROVIDED WITH A 20A SINGLE PHASE IP56 RATED ISOLATING SWITCH FOR CIRCUIT ISOLATION DURING MAINTENANCE. DIAMETER OF STEPPED PIPE POLE TO SUIT THIS REQUIREMENT. PROVIDE A HOT-DIPPED GALVANIZED WELDED BASE COVER WITH HIGH BUILD UV RESISTANT EPOXY PAINT OVER TO THE SAME COLOUR AS THE POLE TO CONCEAL ALL EXPOSED PROTRUDING BOLTS.
9. ALL SUSPENDED LUMINARIES SHALL BE SUPPORTED BY STAINLESS STEEL WIRE UNLESS OTHERWISE INDICATED.
10. PITS LOCATED IN GARDEN AND GRASSED AREAS SHALL BE SUITABLE FOR CLASS C LOADS. PITS LOCATED IN AREAS WHERE THERE IS LIGHT TRAFFIC OR FOR VEHICLE ACCESS SHALL BE SUITABLE FOR CLASS C LOADS.
11. PIT LIDS SHALL BE AS FOLLOWS:
    A) CONCRETE LIDS IN GARDENS
    B) GALVANIZED STEEL LIDS IN GRASS AREAS
    C) INSERT TYPE FOR BRICK PAVED AREAS AND PAVEMENT
    D) "GATIC" TYPE OR SIMILAR LIDS IN ROADWAYS
    WHERE GATIC LIDS ARE INSTALLED, PROVIDE 2 OFF GATIC LID LIFTERS TO THE SCHOOL AT THE COMPLETION OF THE WORKS.
12. WHERE MULTIPLE LIGHT SWITCHES ARE SHOWN ON THE SAME LOCATION (UP TO 6 OFF MAXIMUM), PROVIDE A COMMON GRIDPLATE WITH THE CORRECT NUMBER OF LIGHT SWITCHES TO SUIT. ALL FAN SWITCHES MUST NOT BE MIXED WITH LIGHT SWITCHES AND THESE SHALL BE MOUNTED ON A DEDICATED GRIDPLATE. PROVIDE A SUITABLE MULTI-GANG SURROUND TO SUIT THE GRIDPLATES FOR LIGHT SWITCHES, FAN CONTROLLERS AND VOLUME CONTROLLER.
13. FAN SWITCH CONTROL SHALL BE TO CLIPSAL 30M SERIES WITH WORDING "FAN" ENGRAVED ONTO SWITCH.
14. THE ELECTRICAL TRADE SHALL LABEL LIGHTING AND POWER CIRCUITS AS PART OF THE AS-CONSTRUCTED DRAWINGS AND SWITCHBOARD CIRCUIT SCHEDULE AS FOLLOWS:
    A) LIGHTING CIRCUIT TO BE LABELLED AS L1-R1 WHERE L1 REFERS TO THE LIGHTING CIRCUIT AS NOMINATED ON THIS SET OF DOCUMENTATION, SUCH AS "L1", "L2", "L3", ETC; R1 REFERS TO THE ACTUAL PHYSICAL CIRCUIT THE CABLES ARE CONNECTED TO, SUCH AS "R1", "W1", "B1", ETC.
    B) POWER CIRCUIT TO BE LABELLED AS P1-R1 WHERE P1 REFERS TO THE POWER CIRCUIT AS NOMINATED ON THIS SET OF DOCUMENTATION, SUCH AS "P1", "P2", "P3", ETC; R1 REFERS TO THE ACTUAL PHYSICAL CIRCUIT THE CABLES ARE CONNECTED TO, SUCH AS "R1", "W1", "B1", ETC.
15. LIGHT SWITCH DIMMERS SHALL BE USING OSRAM ROTARY DALI MCU UNLESS OTHERWISE APPROVED BY THE SUPERINTENDENT. ELECTRICAL TRADE SHALL RETROFIT THE INTERNAL ROTARY DIMMING MECHANISM INTO CLIPSAL 2000 BLANK FACEPLATE. RETROFIT THE ROTARY KNOB WITH A MATCHING KNOB OF THE SAME SIZE AND DIMENSION AS ORIGINAL UNIT TO SUIT THE CLIPSAL 2000 BLANK FACEPLATE. THERE SHALL NOT BE ANY VISIBLE GAPS BETWEEN THE KNOB AND THE FACEPLATE. SUPPLY AND INSTALL ALL NECESSARY DALI DIMMERBLE ELECTRONIC CONTROL GEAR TO ALL LIGHT FITTINGS WHICH ARE CONNECTED TO THE LIGHT DIMMERS.
16. ALL LIGHT SWITCHES GPOs AND ISOLATORS SHALL INCLUDE CIRCULAR IPA STUDS OF APPROPRIATE PHASE, COLOUR AND CIRCUIT NUMBER SUCH THAT THE CIRCUIT IDENTIFICATION NUMBERS CAN BE READ HORIZONTALLY. THE IPA STUDS SHALL NOT BE FITTED TO THE REMOVABLE SURROUNDS. IT IS ACCEPTABLE FOR IPA STUDS TO BE CEMENTED INTO UNUSED SCREW HOLES BEHIND REMOVABLE SURROUND WITH ARALDITE.
17. THE ELECTRICAL TRADE SHALL NOTE THAT ALL FINAL SUB-CIRCUITS FOR LIGHTING AND SMALL POWER SERVICES SHALL NOT BE LOADED MORE THAN 35% OF THE CABLE CURRENT CARRYING CAPACITY.

REV.	DESCRIPTION	DRAWN	APP'D	DATE
B	ISSUE FOR COORDINATION	QQ	ST	02/04/19
A	DESIGN DEVELOPMENT ISSUE	QQ	ST	28/02/19

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PRELIMINARY
NOT FOR CONSTRUCTION

Government of Western Australia
Department of Finance
Building Management and Works

ELECTRICAL SERVICES
YANCHEP LAGOON PRIMARY SCHOOL
MAIN WORKS

LEGEND OF SYMBOLS

DRAWN JRS	DESIGNED ST	REDUCTION 0 25	
CHECKED JLO	PRINCIPAL --- SIGNATURE		
APPROVED			
SCALE 1:100	DATE	DRAWING No. E1.01B	
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NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ELECTRICAL SERVICES SECTION OF THE SPECIFICATION, THE ARCHITECTURAL DRAWINGS AND ALL OTHER RELEVANT SERVICES DRAWINGS.
2. ALL EQUIPMENT AND ACCESSORIES SHALL BE NEW UNLESS NOTED OTHERWISE.
3. FINAL POSITION OF ALL EQUIPMENT TO BE DETERMINED ON SITE PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL FITOUT DRAWINGS.
4. RATINGS AND TERMINATIONS OF ALL EQUIPMENT TO BE CONFIRMED WITH SUPPLIER/MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION.
5. REFER TO DRAWING E1.01 FOR LEGEND.

LIGHT FITTING SCHEDULE

O.A.E = OR APPROVED EQUIVALENT   U.N.O = UNLESS NOTED OTHERWISE

REF	MANUFACTURE, MAKE AND MODEL	COUNTRY OF ORIGIN	AREAS OF APPLICATION	DESCRIPTION	DIMMABLE	"IP/ IK RATING"	TYPE OF INSTALLATION	CONTROL GEAR	"COLOUR (BODY / TRIM)"	LAMP
A1	PIERLITE SLENDER LED GENII O.A.E	MADE IN AUSTRALIA	COLLEGIATE ROOM, OFFICE	1200 X 300 PLASTER RECESSED LED LUMINAIRE COMPLETE WITH EXTRA LOW GLARE (UGR 19) MICRO PRISM DIFFUSER AND ALL ACCESSORIES.	NO	AS PER MANUFACTURER DETAIL	RECESSED	TRIDONIC NON DIMMABLE LED ELECTRONIC CONTROL GEAR O.A.E	WHITE / WHITE	24W LED 4000K
A2	PIERLITE LAB CLEANROOM O.A.E	MADE IN AUSTRALIA	KITCHEN, CANTEEN	FULLY SEALED 1200 X 300 PLASTER RECESSED LED LUMINAIRE COMPLETE WITH LOW GLARE DIFFUSER AND ALL ACCESSORIES.	NO	IP54	RECESSED	TRIDONIC NON DIMMABLE LED ELECTRONIC CONTROL GEAR O.A.E	WHITE / WHITE	56W LED 4000K, CRI 86
B1	PIERLITE BWP ECO LED O.A.E.	MADE IN AUSTRALIA	EXTERNAL STORAGE, CLEANER ROOM	SURFACE MOUNTED LED BATTEN LUMINAIRE COMPLETE WITH FROSTED PRISMATIC POLYCARBONATE IMPACT RESISTANT LENS AND ALL MOUNTING ACCESSORIES.	NO	IP65/IK08	SURFACE MOUNTED	TRIDONIC NON DIMMABLE LED ELECTRONIC CONTROL GEAR O.A.E	WHITE / WHITE	45W LED 4000K
B2	PIERLITE STREAMLINE SURFACE O.A.E	MADE IN AUSTRALIA	INTERNAL STORE	SURFACE MOUNTED FULLY INTEGRATED LED LUMINAIRE COMPLETE WITH OPALISED DIFFUSER, POWDER COATED STEEL BODY AND ALL ACCESSORIES.	NO	AS PER MANUFACTURER DETAIL	SURFACE MOUNTED	TRIDONIC NON DIMMABLE LED ELECTRONIC CONTROL GEAR O.A.E	WHITE / WHITE	40W LED 4000K
B3	PIERLITE BWP ECO LED O.A.E.	MADE IN AUSTRALIA	ELECTRICAL, MECHANICAL AND COMMS CUPBOARDS	1300 X 90 SURFACE MOUNTED LED BATTEN LUMINAIRE COMPLETE WITH FROSTED PRISMATIC POLYCARBONATE IMPACT RESISTANT LENS AND ALL MOUNTING ACCESSORIES.	NO	IP65/IK08	SURFACE MOUNTED	TRIDONIC NON DIMMABLE LED ELECTRONIC CONTROL GEAR O.A.E	WHITE / WHITE	22W LED 4000K
B4	PIERLITE BWP LED PRO O.A.E.	MADE IN AUSTRALIA	COVERED ASSEMBLY AREA	SURFACE MOUNTED LED BATTEN LUMINAIRE COMPLETE WITH FROSTED PRISMATIC POLYCARBONATE IMPACT RESISTANT LENS AND ALL MOUNTING ACCESSORIES.	NO	IP65/IK08	SURFACE MOUNTED	TRIDONIC NON DIMMABLE LED ELECTRONIC CONTROL GEAR O.A.E	WHITE / WHITE	45W LED 4000K
B4/E	PIERLITE BWP LED PRO O.A.E.	MADE IN AUSTRALIA	COVERED ASSEMBLY AREA	AS PER TYPE B4 BUT COMPLETE WITH 2 HOURS BATTERY BACKUP.	NO	IP65/IK08	SURFACE MOUNTED	TRIDONIC NON DIMMABLE LED ELECTRONIC CONTROL GEAR O.A.E	WHITE / WHITE	45W LED 4000K
B5	SIDE MOON O.A.E	-	EXTERNAL CORRIDOR/PASSAGEWAY	CIRCULAR WALL MOUNTED BULKHEAD LUMINAIRE COMPLETE WITH VANDAL RESISTANT, CORROSION PROOF DIE-CAST ALUMINIUM HOUSING FRAME, UV RESISTANT POLYCARBONATE DIFFUSER AND ALL ACCESSORIES.	NO	IP65/IK10	WALL MOUNTED	TRIDONIC NON DIMMABLE LED ELECTRONIC CONTROL GEAR O.A.E	WHITE / WHITE	12W LED 4000K
C1	CREE DOT9738P LED O.A.E.	MADE IN AUSTRALIA	UAT, WASHROOM, STAFF TOILET, STUDENT WC, CHANGE ROOM	RECESSED MOUNTED DOWNLIGHT COMPLETE WITH WIDE BEAM DISTRIBUTION, SOFT DIFFUSION LENS, DUST/INSECT PROOF OPTICAL ASSEMBLY AND ALL ACCESSORIES.	NO	IP65	RECESSED	TRIDONIC NON DIMMABLE LED ELECTRONIC CONTROL GEAR O.A.E	WHITE / WHITE	14W LED 4000K
EM1	CLEVERTRONICS L10 LIFELIGHT PRO EMERGENCY O.A.E	-	INTERNAL BUILDING GENERAL AREAS	CEILING RECESSED NON-MAINTAINED EMERGENCY LUMINAIRE COMPLETE WITH 60mm ROUND HEAD, 100,000 HOURS LED LAMP, D50 CLASSIFICATION, 2 HOURS BATTERY BACKUP AND LI-ION BATTERY.	NO	IP20	CEILING RECESSED	INTEGRAL LED ELECTRONIC CONTROL DRIVER	WHITE	LED
EM2	CLEVERTRONICS L10 LIFELIGHT PRO SURFACE MOUNT EMERGENCY O.A.E.	-	INTERNAL BUILDING GENERAL AREAS WITHOUT FALSE CEILING	AS PER TYPE EM1 BUT COMPLETE WITH SURFACE MOUNTING KITS	NO	IP20	SURFACE MOUNTED	INTEGRAL LED ELECTRONIC CONTROL DRIVER	WHITE	LED
EM3	CLEVERTRONICS L10 LED SUPALITE O.A.E	-	CAF?, SPORT HALLS, WORKSHOPS	SURFACE MOUNTED NON-MAINTAINED EMERGENCY LUMINAIRE COMPLETE WITH TWIN LED FLOOD UNIT, 2 HOURS BATTERY BACKUP AND LI-ION BATTERY. PROVIDE MECHANICAL CAGE PROTECTION TO FITTINGS IN SPORTS HALL	NO	IP20	SURFACE MOUNTED	INTEGRAL LED ELECTRONIC CONTROL DRIVER	WHITE	LED
EX1	CLEVERTRONICS L10 SWINGBLADE EXIT O.A.E.	-	INTERNAL BUILDING GENERAL AREAS	CEILING/SURFACE MOUNTED EXIT LIGHT COMPLETE WITH RUNNING MAN PICTOGRAM, DIRECTIONAL RUNNING MAN PICTOGRAM AS APPLICABLE, UNIVERSAL BLADE PANEL DIFFUSER, 100,000 HOURS LED LAMP, 2 HOURS BATTERY BACKUP AND LI-ION BATTERY.	NO	IP20	CEILING/SURFACE MOUNTED	INTEGRAL LED ELECTRONIC CONTROL DRIVER	WHITE	LED
EX2	CLEVERTRONICS L10 WEATHERPROOF EXIT O.A.E	-	SPORTS HALL, EXTERNAL BUILDING AREAS	SURFACE MOUNTED WEATHERPROOF EXIT LIGHT COMPLETE WITH RUNNING MAN PICTOGRAM, DIRECTIONAL RUNNING MAN PICTOGRAM AS APPLICABLE, 100,000 HOURS LED LAMP AND 2 HOURS BATTERY BACKUP AND LI-ION BATTERY. PROVIDE MECHANICAL CAGE PROTECTION TO FITTINGS IN SPORTS HALL	NO	IP67/IK10	SURFACE MOUNTED	INTEGRAL LED ELECTRONIC CONTROL DRIVER	WHITE	LED
G	AUSTUBE GS2-75UGR SMART LINEAR LIGHTING WITH LENS O.A.E	MADE IN AUSTRALIA	CLASSROOM, RESOURCE AREA	WIRE SUSPENDED LED EXTRUSION LUMINAIRE COMPLETE WITH EXTRA LOW GLARE DIFFUSER (MAX AVERAGE UGR 16), END CAPS, STAINLESS STEEL CLIPS, WIRE SUSPENSIONS ROPES, TENSION ACCESSORIES AND ALL ACCESSORIES.	NO	AS PER MANUFACTURER DETAIL	SUSPENDED MOUNTING	TRIDONIC DALI DIMMABLE LED ELECTRONIC CONTROL GEAR O.A.E	WHITE	16W LED
G/D	AUSTUBE GS2-75UGR SMART LINEAR LIGHTING WITH LENS O.A.E	MADE IN AUSTRALIA	CLASSROOM, RESOURCE AREA	WIRE SUSPENDED LED EXTRUSION LUMINAIRE COMPLETE WITH EXTRA LOW GLARE DIFFUSER (MAX AVERAGE UGR 16), END CAPS, STAINLESS STEEL CLIPS, WIRE SUSPENSIONS ROPES, TENSION ACCESSORIES AND ALL ACCESSORIES.	DALI DIMMABLE	AS PER MANUFACTURER DETAIL	SUSPENDED MOUNTING	TRIDONIC DALI DIMMABLE LED ELECTRONIC CONTROL GEAR O.A.E	WHITE	
Q1	IGUZZINI TWILIGHT BY97 O.A.E	-	COMPOUND POST TOP LIGHTING	POST TOP LUMINAIRE COMPLETE WITH IP66/IK10 RATED HIGH CORROSION RESISTANT ALUMINIUM ALLOY HOUSING AND UV RESISTANT SHOCKPROOF DIFFUSER. FITTING TO BE MOUNTED ON 3.5mm HEIGHT, ROUND NON-TAPERED, CORROSION-PROOF TREATED, HOT-DIPPED GALVANIZED STEPPED PIPE POLE WITH HIGH BUILD UV RESISTANT EPOXY PAINT OVER TO A COLOUR DETERMINED BY SUPERINTENDENT. PROVIDE RAG CAGE FOUNDATION TO SUIT. POLE TO BE NOMINALLY 4.5mm THICK WITH 102mm OUTER DIAMETER. CONFIRM FINAL POLE DIAMETER SIZE WITH THE SUPERINTENDENT PRIOR TO MANUFACTURING. PROVIDE WELDED BASE COVER TO CONCEAL ALL PROTRUDING BOLTS.	NO	IP66/IK10	POST TOP MOUNTING	TRIDONIC NON DIMMABLE LED ELECTRONIC CONTROL GEAR O.A.E	BLACK	32W LED 4000K
S1	IGUZZINI QUID O.A.E	-	CARPARK	CAR PARK LUMINAIRE COMPLETE WITH WEATHER PROOF AND UV RAY RESISTANCE BODY AND 5mm THICK SODIUM CALCIUM CLOSURE GLASS . FLOODLIGHT FITTING TO BE INSTALLED WITH 15iã DEGREES UPTILT AND MOUNTED ON 6m HEIGHT, ROUND NON-TAPERED POLE CORROSION-PROOF TREATED, HOT DIPPED GALVANIZED AND POWDER COATED TO A COLOUR DETETERMINED BY THE SUPERINTENDENT. POLE DIAMETER SHALL BE NOMINAL 106mm OD. CONFIRM FINAL POLE DIAMETER SIZE WITH THE SUPERINTENDENT PRIOR TO MANUFACTURING. PROVIDE WELDED BASE COVER TO CONCEAL ALL PROTRUDING BOLTS. REFER NOTE 9 OF DRAWING E.01	NO	IP67/IK09	POLE TOP MOUNTING	LED CONTROL DRIVER COMPLETE WITH AUTOMATIC INTERNAL TEMPERATURE CONTROL SYSTEM.	GREY	57.3W LED 4000K

REV.	DESCRIPTION	DRAWN	APP'D	DATE
B	ISSUE FOR COORDINATION	QQ	ST	02/04/19
A	DESIGN DEVELOPMENT ISSUE	QQ	ST	28/02/19

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Government of Western Australia
Department of Finance
Building Management and Works

ELECTRICAL SERVICES
YANCHEP LAGOON PRIMARY SCHOOL
MAIN WORKS

LIGHT FITTING SCHEDULE

DRAWN JRS	DESIGNED ST	REDUCTION 0 25	
CHECKED JLO	PRINCIPAL --- SIGNATURE		
APPROVED MRC			
SCALE 1:100	DATE	DRAWING No. E1.02 B	
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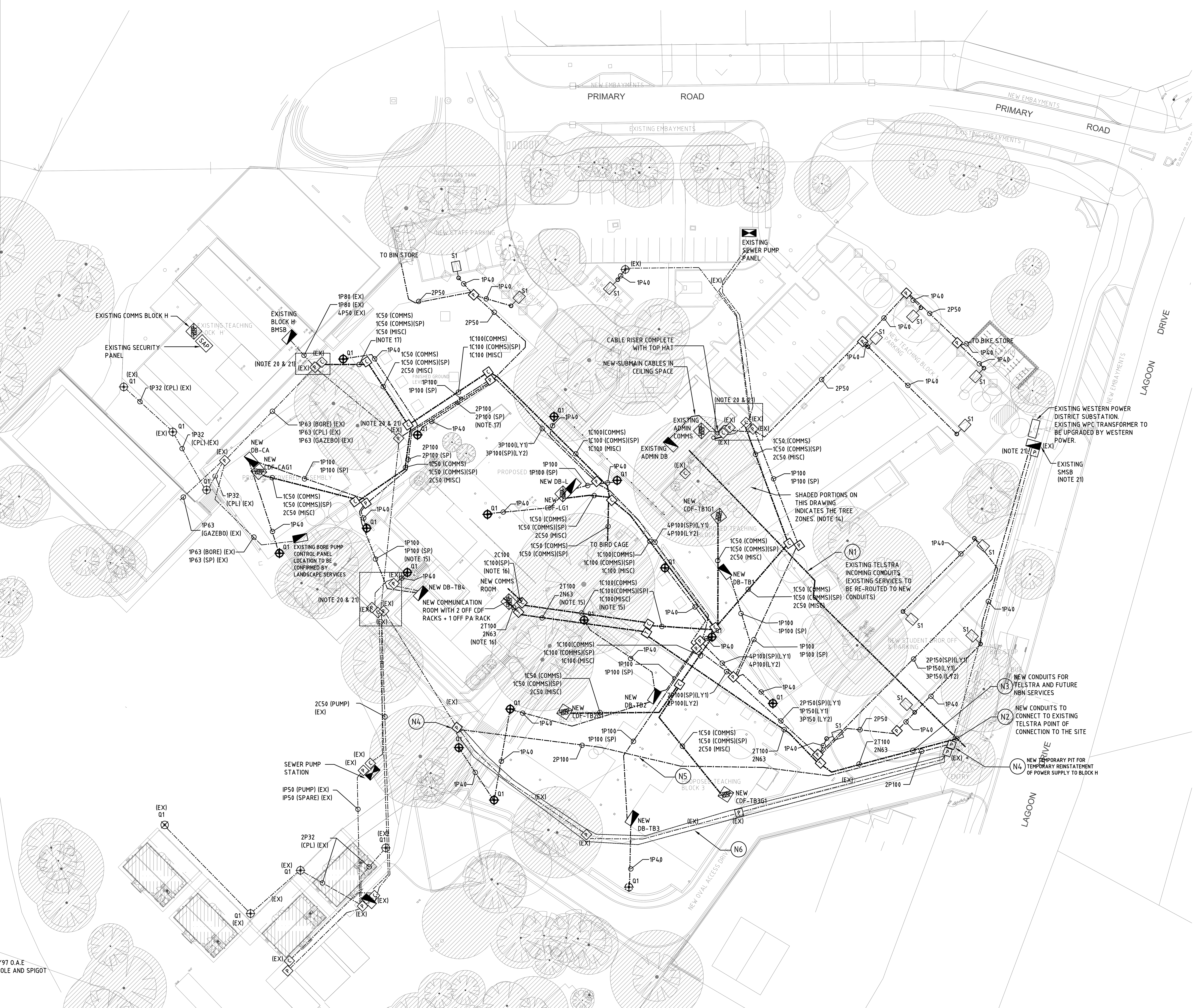
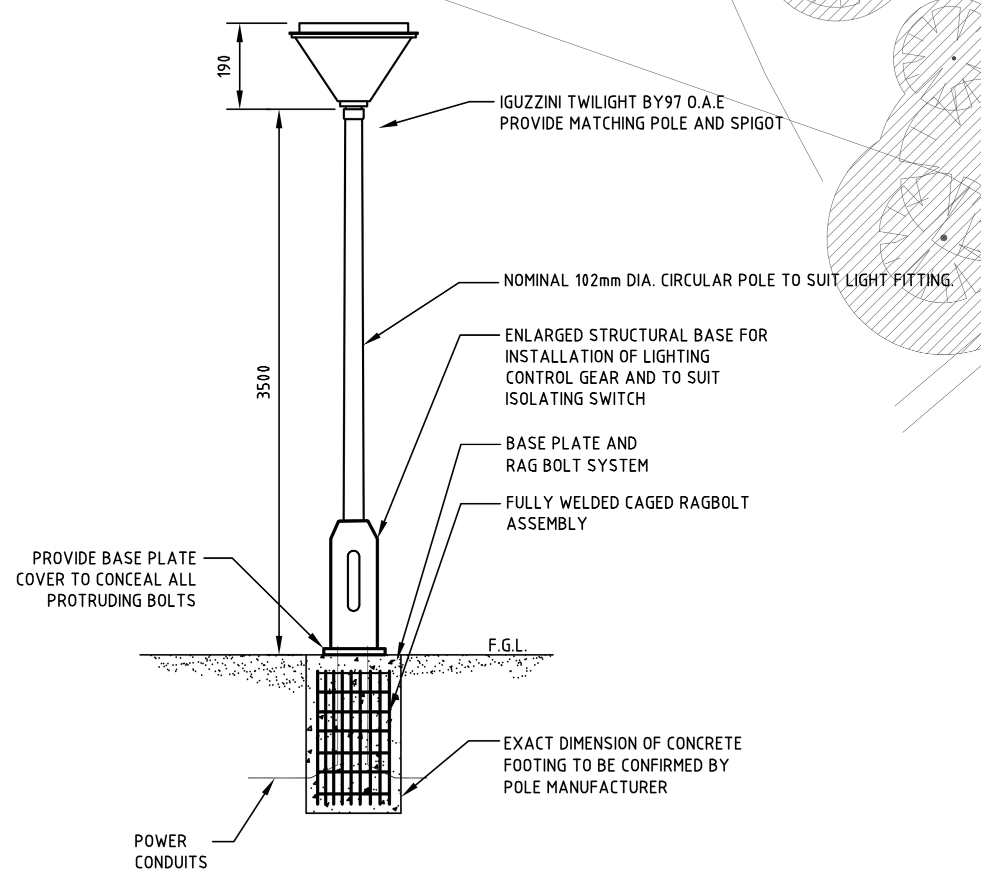
REF	SCOPE OF WORKS
N1	EXISTING TELSTRA CONDUIT THAT SHALL REMAIN INTACT UNTIL SUCH TIME THAT TELSTRA HAS COMPLETED THE SERVICE RELOCATION FROM EXISTING ADMINISTRATION BUILDING TO NEW COMMUNICATION ROOM OF TEACHING BLOCK 4. CONTRACTOR TO ALLOW ALL NECESSARY WORKS TO PROTECT THIS CONDUIT DURING CONSTRUCTION. THIS CONDUIT SHALL BE MADE REDUNDANT AT THE END OF TELSTRA SERVICE MIGRATION.
N2	ELECTRICAL TRADE TO CARRY OUT DETAIL SITE INSPECTION TO ASCERTAIN THE EXACT POINT OF CONNECTION FOR TELSTRA INCOMING SERVICES. LIAISE WITH TELSTRA ACCORDINGLY.
N3	ELECTRICAL TRADE TO SUPPLY AND INSTALL NEW IN-GROUND CONDUITS AND PITS TO FACILITATE THE INSTALLATION OF LEAD-INS FROM TELSTRA AND/OR NBNco. ALL IN-GROUND CONDUITS AND PITS MUST BE FULLY COMPLIANT WITH THE REQUIREMENTS AS PER "G645:2017 FIBRE READY PIT AND PIPE SPECIFICATION FOR REAL ESTATE DEVELOPMENT PROJECTS". CONDUITS MUST ONLY ENTER/EXIT THE PITS AT THE NARROW ENDS. CARRY OUT THE INSTALLATION TO ALSO COMPLY WITH TELSTRA REQUIREMENTS.
N4	SUPPLY AND INSTALL TEMPORARY PITS TO BRIDGE THE EXISTING CONDUITS BETWEEN SMSB AND BLOCK H IN ORDER TO CARRY OUT SERVICE RE-DIVERSION OF THE EXISTING SUBMAIN CABLES TO FACILITATE CONSTRUCTION ON SITE. CONFIRM EXACT POSITION OF PITS ON SITE. SUPPLY AND INSTALL NEW 4x1C-240mm2 SUBMAIN CABLES BETWEEN THE NEW TEMPORARY PITS. CARRY OUT CABLE JOINTS TO EXISTING SUBMAIN CABLES. THESE PITS SHALL BE PHYSICALLY DEMOLISHED AND REMOVED ONCE THE PERMANENT SUBMAIN CABLES TO BLOCK H ARE INSTALLED AND SERVICE CUT-OVER HAS OCCURRED.
N5	SUPPLY AND INSTALL NEW IN-GROUND CONDUITS BETWEEN THE TEMPORARY PITS. ENSURE THAT THE CONDUITS ARE BURIED SUFFICIENTLY DEEP TO FACILITATE CONSTRUCTION ON SITE. PROVIDE SUFFICIENT PROTECTION TO THE CONDUITS TO ENSURE THAT THE CONDUITS ARE NOT DAMAGED DURING CONSTRUCTION. SUPPLY AND INSTALL NEW TEMPORARY 4x1C-240mm2 SUBMAIN CABLES FOR THIS SECTION IN ORDER TO PERMIT THE EXISTING SECTION OF THE SUBMAIN CABLES (SEE "N6") TO BLOCK H TO BE DECOMMISSIONED AND TO BE RE-DIVERTED ACCORDINGLY. CARRY OUT ALL NECESSARY CABLE JOINTING TO EXISTING CABLES. CONTRACTOR TO PRIORITIZE THE ENERGIZATION OF THIS CABLE. THIS CABLE SHALL BE DECOMMISSIONED AND MADE REDUNDANT ONCE THE PERMANENT SUBMAIN CABLES AND ASSOCIATED IN-GROUND CONDUITS AND PITS TO BLOCK H ARE INSTALLED AND SERVICE CUT-OVER HAS OCCURRED.
N6	EXISTING SUBMAIN CABLES TO BE DECOMMISSIONED, MADE REDUNDANT AND REMOVED FROM SITE. DEMOLISH AND REMOVE ALL ASSOCIATED IN-GROUND CONDUITS AND PITS WHERE PRACTICABLE.





TYPICAL BASEPLATE MOUNTED STEPPED PIPE POLE FOR POST-TOP LIGHT FITTING

N.T.S
ENSURE THAT THE POLE AND FOOTING ARE DESIGNED AND INSTALLED BY THE FITTING/POLE SUPPLIER TO SUIT WIND CONDITIONS OF LOCAL ENVIRONMENT

NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DOCUMENTATION AND ALL OTHER RELEVANT SERVICES DRAWINGS.
2. REFER TO THE ELECTRICAL SERVICES DOCUMENTATION AS PART OF THE FORWARD WORKS PACKAGE FOR THIS PROJECT FOR FURTHER INFORMATION.
4. REFER TO SURVEY DRAWINGS (SUCH AS GPR SURVEYS AND THE LIKE) FOR MORE INFORMATION. LIAISE WITH THE SUPERINTENDENT FOR A COPY OF THE ABOVE SURVEY DRAWINGS. CARRY OUT ALL NECESSARY DETAIL SITE INSPECTIONS TO ASCERTAIN THE EXACT SCOPE OF WORKS REQUIRED.
5. ALL EXISTING SERVICES AS SHOWN ON THIS DRAWING IS PROVIDED FOR INFORMATION ONLY. NO RESPONSIBILITY IS ACCEPTED FOR ITS ACCURACY AND THE CONTRACTOR SHALL SATISFY HIMSELF THROUGH SITE INSPECTIONS TO ALLOW FOR ALL REQUIRED WORKS INCLUDING TEMPORARY FEEDS AND STAGING REQUIREMENTS.
6. THE CONTRACTOR TO NOTE THAT THE EXISTING CONDUITS CONTAIN ASBESTOS ELEMENTS WHICH REQUIRE SPECIAL HANDLING. TAKE ALL NECESSARY SAFETY PRECAUTIONS TO COMPLY WITH RELEVANT WORK-SAFE AND DoH GUIDELINES. ALLOW FOR ALL NECESSARY HANDLING COSTS AS REQUIRED. CARRY OUT ALL NECESSARY DETAIL SITE INVESTIGATION TO ASCERTAIN THE EXTENT OF ASBESTOS CONDUITS.
7. TAKE EXTRA PRECAUTIONS DURING EXCAVATION IN ORDER NOT TO DAMAGE ANY EXISTING SITE SERVICES WHICH ARE REQUIRED TO REMAIN IN OPERATION. ENSURE THAT ANY WORKS ON SITE WILL NOT CAUSE UNPLANNED SERVICE INTERRUPTIONS TO EXISTING SCHOOL FACILITIES. CARRY OUT A DETAIL INSPECTION OF EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS. TAKE ALL NECESSARY ACTIONS TO MITIGATE THE RISKS OF UNPLANNED SERVICE INTERRUPTIONS TO THE EXISTING SCHOOL.
8. IT IS ANTICIPATED THAT THE ELECTRICAL WORKS WILL REQUIRE A PARTIAL SHUTDOWN OF THE EXISTING SCHOOL FACILITIES. ALL SHUTDOWNS MUST BE CARRIED OUT OUTSIDE OF SCHOOL HOURS. ALL SHUTDOWN PERIODS AND DURATIONS MUST BE COORDINATED AND TO THE APPROVAL OF THE SCHOOL. ANY NOTIFICATION OF SHUTDOWNS MUST BE SUBMITTED OFFICIALLY. ALL DOWNTIMES REQUIRED SHALL BE PLANNED WELL IN ADVANCE.
9. DEMOLITION OF EXISTING ELECTRICAL/COMMUNICATION SYSTEM MUST OCCUR IN STAGES. CONTRACTOR MUST SUBMIT A DETAIL CONSTRUCTION PROGRAMME (ONE WEEK AFTER AWARD OF WORKS ASSOCIATED WITH THE ASBESTOS REMOVAL PACKAGE) HIGHLIGHTING THE EXTENT OF ELECTRICAL/COMMUNICATION WORKS THAT WILL BE CARRIED OUT, SUCH AS BUT NOT LIMITED TO, THE DESCRIPTION OF WORKS INVOLVED, THE DATE OF COMMENCEMENT AND DURATION OF ELECTRICAL WORKS. ALL REQUESTED SHUTDOWNS OF THE EXISTING SCHOOL POWER SUPPLY MUST BE INDICATED IN THIS PROGRAMME.
10. WHERE THE REMOVAL OF EXISTING CONDUITS/PITS AND ASSOCIATED ELECTRICAL/COMMS CABLES WILL CAUSE UNPLANNED AND/OR UNDESIRABLE SERVICE INTERRUPTIONS TO EXISTING FACILITIES, THE CONTRACTOR MUST FIRST INFORM THE SUPERINTENDENT AND SEEK FURTHER DIRECTION BEFORE PHYSICAL WORKS ARE CARRIED OUT ON SITE. PRIOR TO COMMENCEMENT OF DEMOLITION IN ANY AREA, ISOLATE AND MAKE SAFE THE EXISTING ELECTRICAL INSTALLATION AND CLEARLY IDENTIFY EQUIPMENT TO BE RETAINED. MAKE SAFE ALL ELECTRICAL INSTALLATION FOLLOWING THE DEMOLISHING AND REMOVAL OF THE EXISTING CONDUITS AND ASSOCIATED CABLING SYSTEM.
11. IF ANY WORKS DONE ON SITE WILL CAUSE INTERRUPTION OF POWER SUPPLY, THE CONTRACTOR MUST ARRANGE FOR ALL NECESSARY TEMPORARY POWER SUPPLY TO ALL AFFECTED FACILITIES SUCH THAT THE EXISTING FACILITIES CAN BE MADE FULLY FUNCTIONAL WHILE WORKS ARE CARRIED OUT. WHERE NECESSARY, TEMPORARY SUBMAINS/FINAL SUB-CIRCUITS MUST BE REROUTED FROM A SUITABLE SWITCHBOARD TO THE AFFECTED AREAS TO ALLOW THE SCHOOL FACILITY TO FUNCTION NORMALLY. ALLOW FOR ALL NECESSARY CABLE COST, EQUIPMENT COST, MACHINERY COST, MANPOWER AND FUEL CHARGES AND ALL ASSOCIATED EXPENSES.
12. REMOVE ALL REDUNDANT EXISTING ELECTRICAL EQUIPMENT (SUCH AS SWITCHBOARDS, PITS. CONDUITS, CABLINGS AND THE LIKE) IN FULL BACK TO THE POINT OF ORIGIN. PROTECT FROM DAMAGE ITEMS OF EXISTING EQUIPMENT DESIGNATED TO REMAIN. ITEMS NOT PROTECTED AND DAMAGED SHALL BE REPLACED AT NO COST.
13. BUILDER AND ELECTRICAL TRADE TO CARRY OUT ALL NECESSARY CO-ORDINATION TO ENSURE THAT THE STRUCTURAL FOUNDATION SUCH AS GROUND BEAMS, FOOTINGS AND THE LIKE HAVE SUFFICIENT PROVISIONS FOR THE INSTALLATION OF CABLE CONDUITS INTO THE RESPECTIVE ELECTRICAL/COMMUNICATION ROOM AND CUPBOARDS. ALLOW FOR ALL COSTS TO INCREASE THE DEPTH OF THE STRUCTURAL FOUNDATIONS TO FACILIATE THE INSTALLATION OF ELECTRICAL SERVICES.
14. THE ELECTRICAL TRADE SHALL NOTE THAT NO ELECTRICAL SERVICES SHALL TRAVERSE INTO THE DESIGNATED TREE ZONES AS SHOWN ON THIS DRAWING, UNLESS OTHERWISE INDICATED AND/OR INSTRUCTED BY THE SUPERINTENDENT. ANY ELECTRICAL SERVICES TO BE RETICULATED WITHIN THE TREE ZONES MUST BE CARRIED OUT WITH SPECIAL CARE IN ORDER NOT TO DAMAGE THE TREE ROOTS. ANY FORM OF EXCAVATION MUST BE CARRIED BY HAND AND NO MACHINERIES ARE PERMITTED.
15. ALL ASSOCIATED CONDUITS IN THIS SECTION TO BE INSTALLED VIA TUNNEL BORING. WHERE CONDUIT ROUTES TRAVERSE INTO TREE ZONES, CARRY OUT ALL NECESSARY SITE INVESTIGATION TO ENSURE THAT THE TUNNEL BORINGS DO NOT DAMAGE THE TREE ROOTS. ALLOW FOR ALL ASSOCIATED WORKS AND COSTS.
16. ALL CONDUITS TO BE INSTALLED VIA TUNNEL BORING INTO THE ROOM. ENSURE THAT THE CONDUITS ARE ACCURATELY POSITIONED WITHIN THE ROOM. ALLOW ALL WORKS TO ENSURE NO DAMAGE TO EXISTING SERVICES.
17. NEW CONDUITS TO CONNECT TO EXISTING CONDUITS AND/OR PIT SYSTEM.
18. ALL TELSTRA AND NBN CONDUITS AND PITS MUST BE FULLY COMPLIANT WITH G645 REQUIREMENTS.
19. CARRY OUT A DETAIL INSPECTION TO ASCERTAIN THE EXTENT OF DAMAGE TO EXISTING PITS THAT ARE TO BE RETAINED/REUSED. ALLOW ALL COSTS TO REPLACE THE PIT LIDS IF THESE HAVE BEEN DAMAGED.
20. ALLOW ALL WORKS TO CLEAR ALL DEBRIS FROM THE EXISTING PIT SYSTEM.
21. CARRY OUT ALL WORKS TO INSTALL ADDITIONAL CONDUITS INTO THE EXISTING SITE MAIN SWITCHBOARD. ALLOW ALL COST TO INSTALL AN ADDITIONAL TIER SECTION OR CABLE ZONE PANEL TO THE EXISTING SITE MAIN SWITCHBOARD AS REQUIRED. ALL MODIFICATIONS SHALL NOT COMPROMISE THE FORM RATING OF THE EXISTING SWITCHBOARD.
22. SUPPLY AND INSTALL ALL NECESSARY TEMPORARY COMMUNICATION TIE CABLES (FIBRE OPTIC CABLES AND COPPER VOICE CABLES) BETWEEN THE EXISTING ADMINISTRATION BUILDING AND NEW COMMUNICATION ROOM OF TB4 FOR STAGING PURPOSES. THESE TEMPORARY TIE CABLES SHALL BE REMOVED AT THE END OF STAGE 2.

REV.	DESCRIPTION	DRAWN	APP'D	DATE
C	ISSUE FOR COORDINATION	ST	JLO	02/04/19
B	DESIGN DEVELOPMENT ISSUE	ST	JLO	28/02/19
A	SCHEMATIC DESIGN ISSUE	ST	MRC	25/01/19

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PRELIMINARY
NOT FOR CONSTRUCTION

Government of Western Australia
Department of Finance
Building Management and Works

ELECTRICAL SERVICES

YANCHEP LAGOON PRIMARY SCHOOL

MAIN WORKS
STAGE 1 AND STAGE 2 PLAN
SITE PLAN - ELECTRICAL SERVICES

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