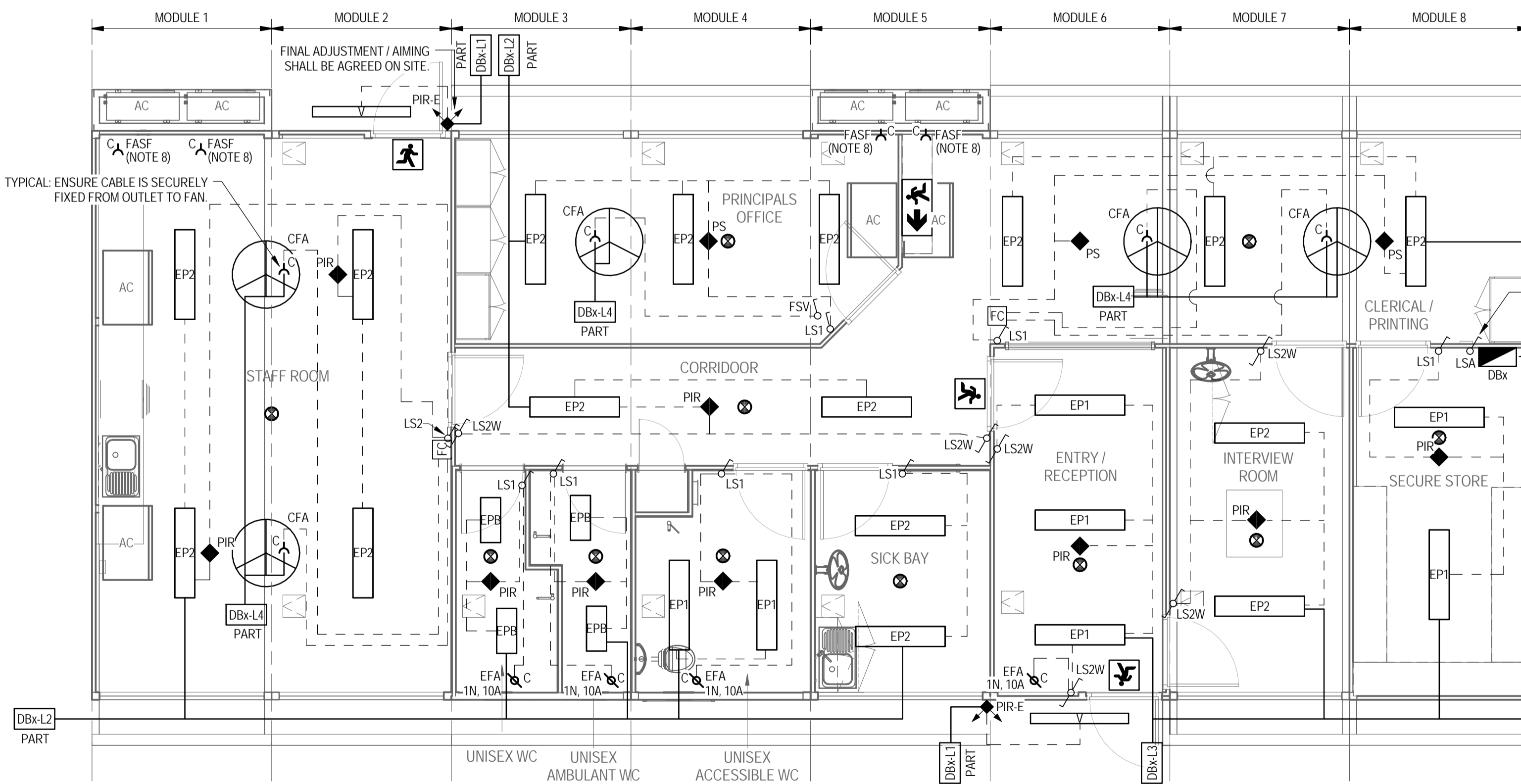


POWER & COMMUNICATIONS LAYOUT
SCALE 1:50



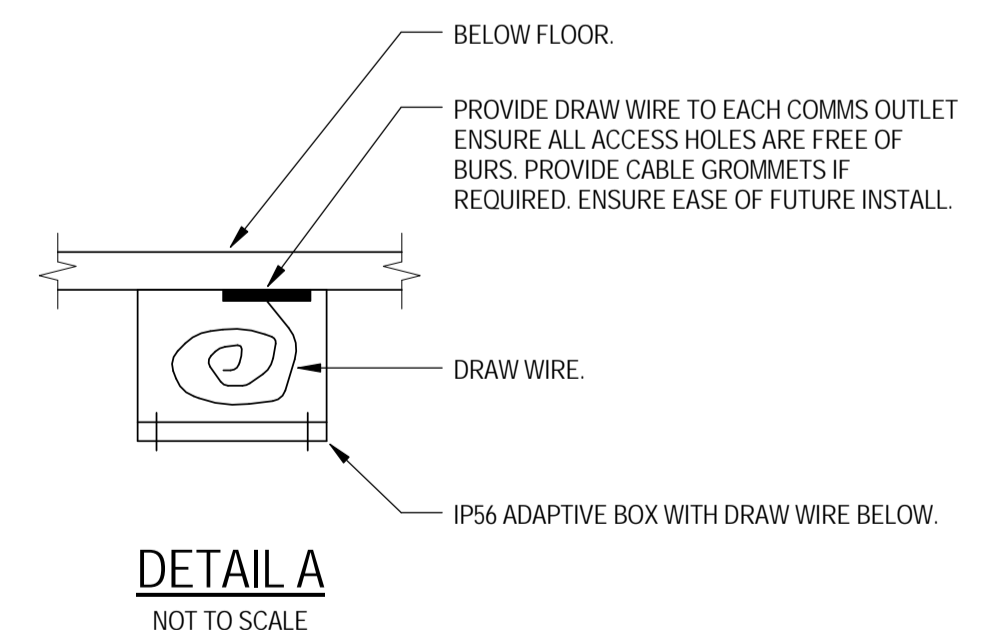
LIGHTING LAYOUT
SCALE 1:50

LEGEND:

- DISTRIBUTION BOARD (36 POLE) @1400mm AFL
- 10A TWIN SWITCHED SOCKET OUTLET MOUNTED @600mm AFL UNO.
- 10A SINGLE SOCKET OUTLET CEILING MOUNTED.
- 10A SINGLE SWITCHED SOCKET OUTLET CEILING MOUNTED FOR THE FASF & FED FROM THE A/C CONTROL CIRCUIT.
- 10A SINGLE SWITCHED SOCKET OUTLET.
- DENOTES MOUNTED ABOVE IN CEILING SPACE.
- DENOTES WALL FAN, MOUNT TO SUIT EQUIPMENT.
- PERMANENT CONNECTION WITH ISOLATOR SWITCH (IP56), MOUNT TO SUIT EQUIPMENT NOTED.
- DENOTES 'EQUIPMENT ABBREVIATION'
- DENOTES 'RATING'
- DENOTES 'AIR CONDITIONING'
- PERMANENT CONNECTION, CEILING MOUNTED TO SUIT EQUIPMENT NOTED.
- DENOTES 'EQUIPMENT ABBREVIATION'
- DENOTES 'RATING'
- DENOTES 'STRIP HEATER'
- DUAL DATA OUTLET LOCATE TO MATCH ADJACENT SSO.
- 1 x 28W SURFACE MOUNTED LUMINAIRE WITH VANDAL RESISTANT DIFFUSER. (PIERLITE VANDALUX OR APPROVED EQUIVALENT)
- 2 x 14W SURFACE MOUNTED LUMINAIRE DIFFUSER. (PIERLITE UNILUX OR APPROVED EQUIVALENT)
- 1 x 28W SURFACE MOUNTED LUMINAIRE DIFFUSER. (PIERLITE UNILUX OR APPROVED EQUIVALENT)
- 2 x 28W SURFACE MOUNTED LUMINAIRE DIFFUSER. (PIERLITE UNILUX OR APPROVED EQUIVALENT)
- LED MAINTAINED EMERGENCY EXIT SIGN WITH RUNNING MAN LEGEND (STRAIGHT AHEAD) (THOMAS & BETTS OR APPROVED EQUIVALENT)
- LED MAINTAINED EMERGENCY EXIT SIGN WITH RUNNING MAN LEGEND (DIRECTIONAL) (THOMAS & BETTS OR APPROVED EQUIVALENT)
- LED RECESSED NON-MAINTAINED EMERGENCY LUMINAIRE. CO/C90 = D50 (THOMAS & BETTS OR APPROVED EQUIVALENT)
- EXTERNAL LIGHTING TEST SWITCH: 1-GANG
- 10A LIGHT SWITCH: 1-GANG
- 10A 2-WAY LIGHT SWITCH: 1-GANG
- 10A LIGHT SWITCH: 2-GANG
- TIMER SWITCH FOR AIR CONDITIONING
- FAN SWITCH WITH VARIABLE SPEED
- FAN CONTROL PANEL
- INDOOR RADIANT STRIP HEATER (HEAT STRIP, THS1200A OR APPROVED EQUIVALENT)
- HEAT STRIP WALL CONTROLLER (HEAT STRIP, TT-MTM2 OR APPROVED EQUIVALENT)
- 900mm 3 BLADE ALUMINUM CEILING FAN (WHITE) (CLIPSAL 3HS900AL OR APPROVED EQUIVALENT)
- 360° RECESSED FLUSH MOUNT PIR PRESENCE SENSOR TO LIGHTING CIRCUIT. (PIERLITE SMART SCAN SENSOR OR APPROVED EQUIVALENT)
- 360° RECESSED PASSIVE INFRARED MOTION SENSOR TO LIGHTING CIRCUIT. (CLIPSAL INFRASCAN 753R OR APPROVED EQUIVALENT)
- 110° IP66 SURFACE MOUNT PASSIVE INFRARED MOTION SENSOR TO PE-CELL EXTERIOR LIGHTING TO CIRCUIT. (CLIPSAL IP66 INFRASCAN 3-WIRE OR APPROVED EQUIVALENT)
- PROPRIETARY EMERGENCY CALL PUSH-BUTTON, LIGHT & BUZZER & ACCESSORIES. (SEDCO DISABLED TOILET KIT, KIT 2 STANDARD (BUTTON) 307-0410 OR APPROVED EQUIVALENT). PROVIDE ADDITIONAL COMPONENTS TO ACHIEVE PROJECT REQUIREMENTS.
-
- SWITCH WIRE
- CIRCUIT
- CIRCUIT DESIGNATION
- CEILING ACCESS HATCH FOR MODULE CONNECTION. JUNCTION BOXES ARE LOCATED THE AHA LOCATION.

NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFIED DRAWING.
2. ALL EQUIPMENT SHALL BE INSTALLED TO THEIR MANUFACTURERS LITERATURE AND THEIR RECOMMENDATIONS SHALL BE ADHERED TO.
3. ALL EQUIPMENT IS NEW.
4. REFER TO THE ARCHITECT'S DRAWINGS FOR THE SET OUT AND MOUNTING HEIGHTS OF ALL ACCESSORIES AND EQUIPMENT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE LOCATIONS COMPLY WITH AS/NZS3000.
5. REFER TO DETAIL A FOR COMMUNICATION PROVISIONS. ENSURE THE ARRANGEMENT FACILITATES EASE OF INSTALL AT A LATER DATE - WHERE THIS CANNOT BE ACHIEVED PROVIDE A CONDUIT (RE-WIRABLE SOLUTION).
6. PROVIDE CIRCUIT LABELING AND ID LABELING ON ALL OUTLETS (USE UV RESISTANT TRAFFOLITE LABELING FOR EXTERNAL ISOLATORS).
7. ENSURE WHERE CABLE SUPPORT OR ACCESS PROVISIONS ARE PROVIDED FOR COMMUNICATION SERVICES ENSURE THE PROVISIONS ACHIEVE SEPARATION REQUIREMENTS IDENTIFIED IN AS/NZS3000 AND AS/CA S009.
8. FASF POWER SUPPLY TO BE FED FROM AC CONTROL CIRCUIT BY MECHANICAL CONTRACTOR.
9. PROVIDE PROPRIETARY EMERGENCY SWITCH TO COMPLY WITH AS/NZS2293 PART 1.
10. BY OTHERS - DENOTES CABLE SUPPORT, BOX / BLANK PLATE AND DRAW WIRE TO BE PROVIDED BY CONTRACTOR ONLY. CONNECTING EQUIPMENT BY OTHERS.
11. ANY CABLE JUNCTIONS / JOINTS IN POWER CABLE SHALL BE FIXED TO THE STRUCTURE IN AN ADAPTIBLE BOX. CABLES FIXED IN INSULATED DIN RAIL TERMINALS. THE CIRCUITS SHALL BE IDENTIFIED ON THE ADAPTIBLE BOX WITH A TRAFFOLITE LABEL. THE LOCATIONS SHALL BE ACCESSIBLE AND SHALL BE INDICATED ON 'AS INSTALLED' DRAWINGS WHERE MULTIPLE CIRCUITS ARE WITHIN THE ADAPTIBLE BOX. PROVIDE SEPARATION BARRIERS AND A WARNING NOTICE ON THE ADAPTIBLE BOX INDICATING MULTIPLE SUPPLIES WITHIN THIS ENCLOSURE - ISOLATE ALL SUPPLIES BEFORE WORKING ON THIS ENCLOSURE.
12. THE ELECTRICAL INSTALLATION SHALL BE IN FULL COMPLIANCE WITH AS/NZS3000.
13. THE EMERGENCY LIGHTING AND EXIT SIGNS INSTALLATION SHALL BE IN ACCORDANCE WITH NCC 2016 AND AS/NZS2293.1
14. THE COMMUNICATIONS (DISABLE CALL) SHALL BE INSTALLED IN FULL COMPLIANCE WITH AS/CA S009.



DETAIL A
NOT TO SCALE

0 500 1000 1500 2000 2500mm
SCALE 1:50 AT ORIGINAL SIZE

FOR CONSTRUCTION

No	Revision	Note	Drawn	Job Manager	Project Director	Date
1	REVISED FOR CONSTRUCTION		BS	SM	SP*	05.12.17
0	ISSUED FOR CONSTRUCTION		ALC	SM*	SP	21.10.16



Education

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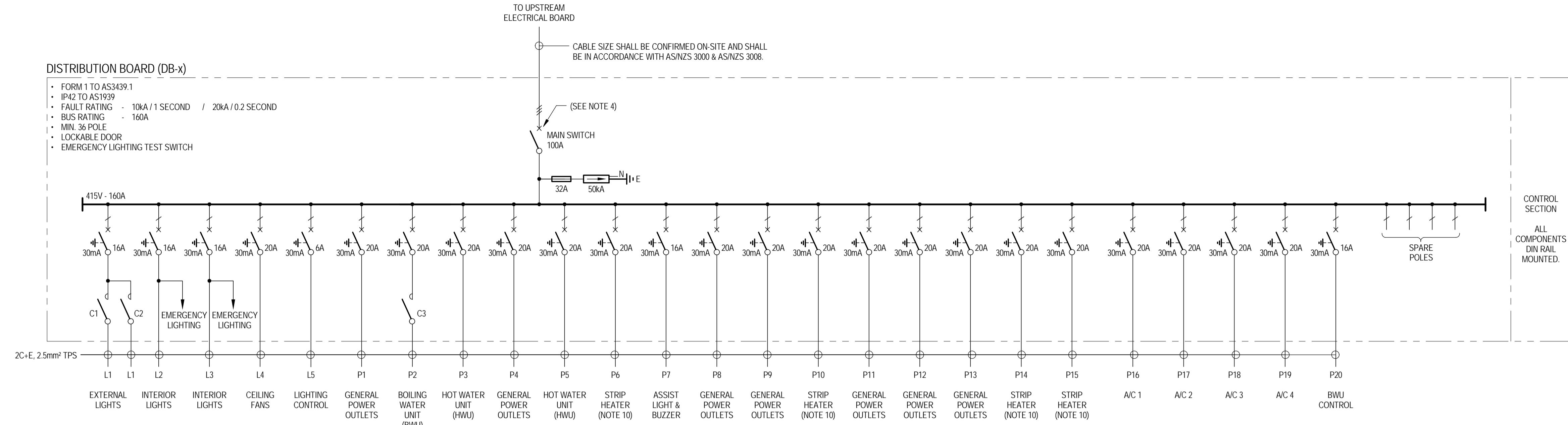
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Drawn	A.COOMBER	Designer	A.COOMBER
Drafting Check	M.LEWIS*	Design Check	D.MOORE*
Approved (Project Director)	S.PAGE*	Date	25.10.16
Scale	As indicated	This Drawing must not be used for Construction unless signed as Approved	

Client	DEPARTMENT OF EDUCATION		
Project	DEMOUNTABLE REFURBISHMENT PROJECT		
Title	OS502 - 8 MODULE ADMINISTRATION & STAFF POWER, COMMS & LIGHTING LAYOUTS		
Original Size	A1	Drawing No:	OS502.4-8.ASR -ELC
Rev:	1		

DISTRIBUTION BOARD (DB-x)

- FORM 1 TO AS3439.1
- IP42 TO AS1939
- FAULT RATING - 10kA / 1 SECOND / 20kA / 0.2 SECOND
- BUS RATING - 160A
- MIN. 36 POLE
- LOCKABLE DOOR
- EMERGENCY LIGHTING TEST SWITCH



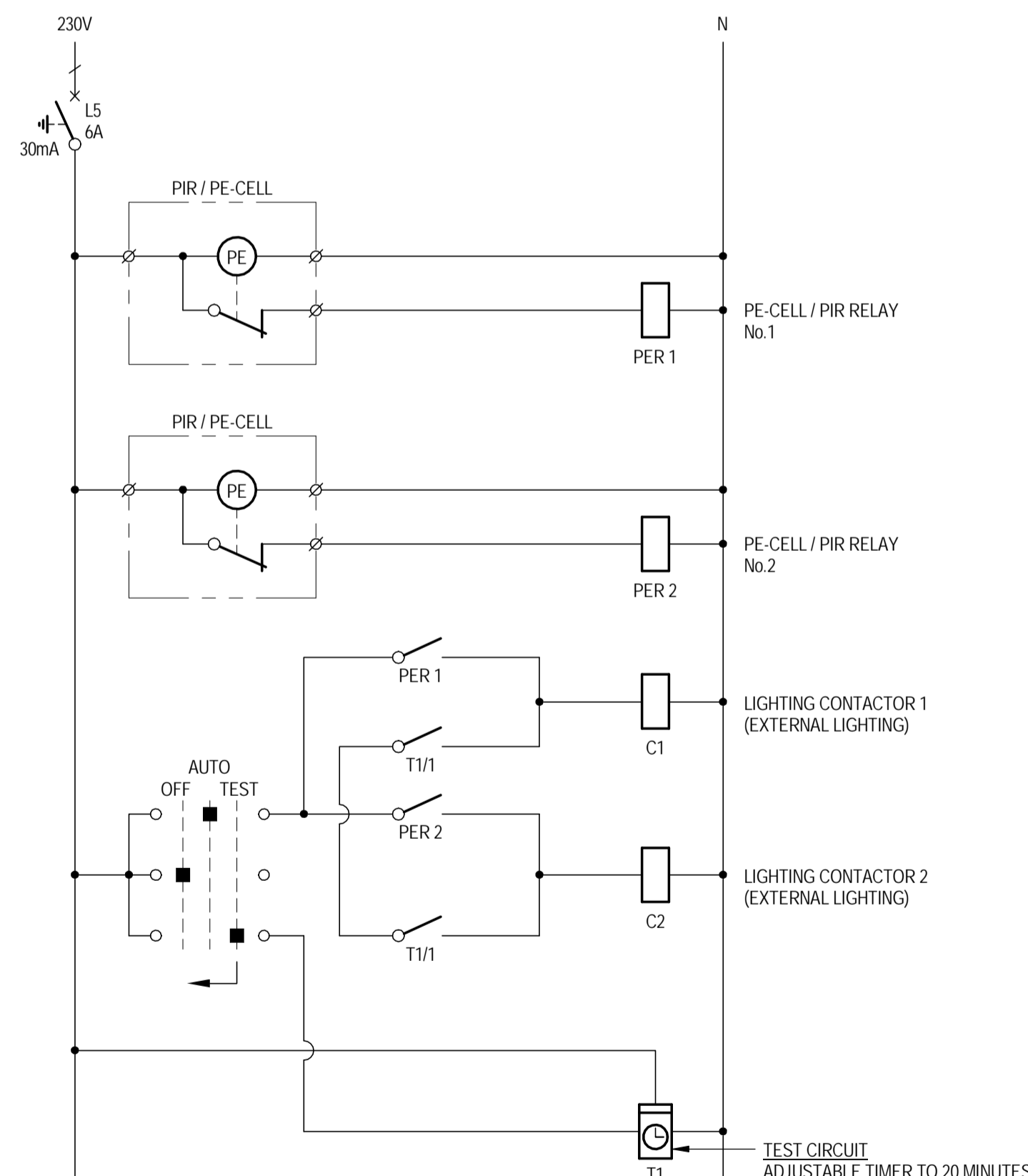
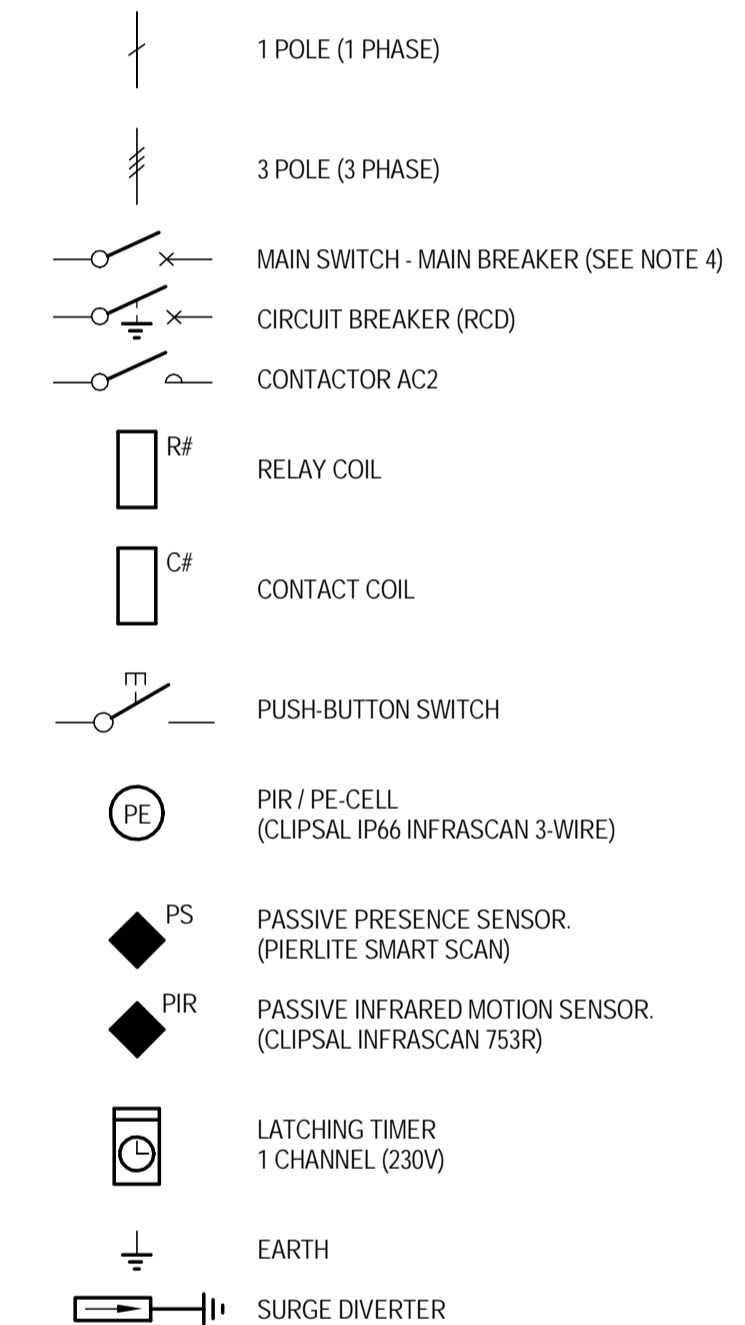
DISTRIBUTION BOARD - SINGLE LINE DIAGRAM

NOT TO SCALE

NOTES

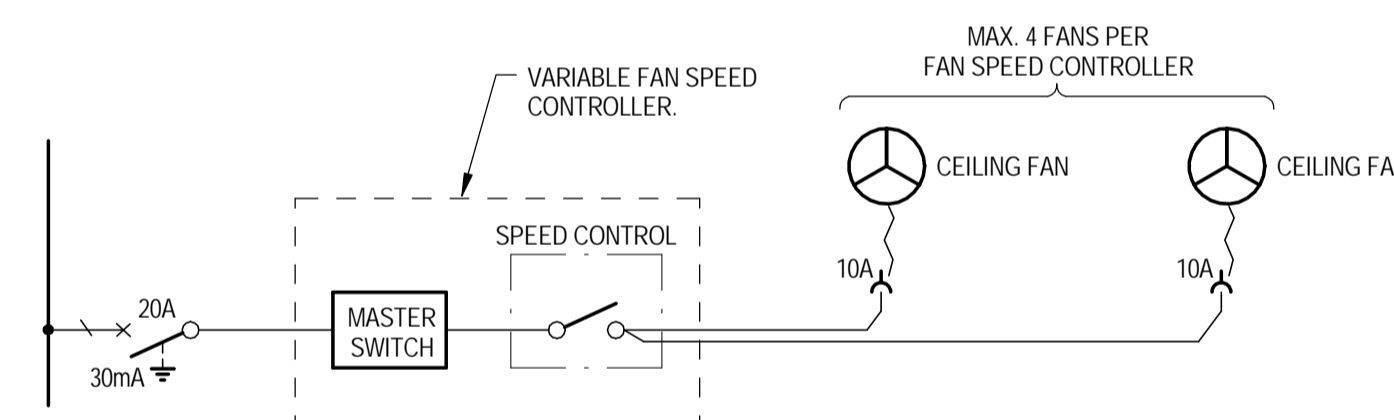
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFIED DRAWING.
- ALL EQUIPMENT SHALL BE INSTALLED TO THEIR MANUFACTURERS LITERATURE AND THEIR RECOMMENDATIONS SHALL BE ADHERED TO.
- ALL EQUIPMENT IS NEW.
- PROVIDE A MAIN SWITCH IN ACCORDANCE WITH AS/NZS3000. WHERE THE FAULT LEVEL OF THE SITE IS UNKNOWN PROVIDE A CIRCUIT BREAKER IN PLACE OF AN ISOLATOR ENABLING CASCADING PROTECTION (FAULT CURRENT LIMITING) TO BE AFFORDED TO THE SWITCHBOARD (25KA MINIMUM) - OBTAIN MANUFACTURERS GUIDANCE / RECOMMENDATIONS. CONFIRM ON SITE FCL REQUIREMENTS BEFORE IMPLEMENTATION OF FINAL SCHEME.
- ALL BREAKERS SHALL BE THE SAME MANUFACTURE AND SHALL BE AS MANUFACTURED BY NHP OR EQUAL AND APPROVED. THE MCBS SHALL BE 10KA RATED.
- ENSURE DISCRIMINATION IS ACHIEVED WITH UPSTREAM AND DOWNSTREAM BREAKERS.
- CONFIRM THE EARTHING ARRANGEMENTS ON SITE. ENSURE THE EARTHING INSTALLATION IS IN FULL COMPLIANCE WITH AS/NZS3000.
- THE CONTRACTOR SHALL CHECK THE FINAL BREAKER ARRANGEMENT AND ENSURE CASCADING AND DISCRIMINATION IS ACHIEVED ADDITIONALLY THE ELECTRICAL INSTALLATION COMPLIES WITH AS/NZS3000.
- PROVIDE A PROPRIETARY EMERGENCY LIGHTING TEST SWITCH COMPLYING WITH AS2293 AT THE DISTRIBUTION SWITCHBOARD. THE PROPRIETARY TEST SWITCH SHALL BE AS MANUFACTURED BY THOMAS AND BETTS OR SIMILAR AND APPROVED.
- REFER TO MANUFACTURERS LITERATURE FOR HEATER STRIP LOCAL CONTROL.
- THE BOILING WATER UNIT IS INDICATIVE ONLY. THE FINAL PROVISIONS FOR BCA SECTION J6 COMPLIANCE SHALL BE ADVISED AND AGED WITH THE BUILDING CERTIFIER.

LEGEND:



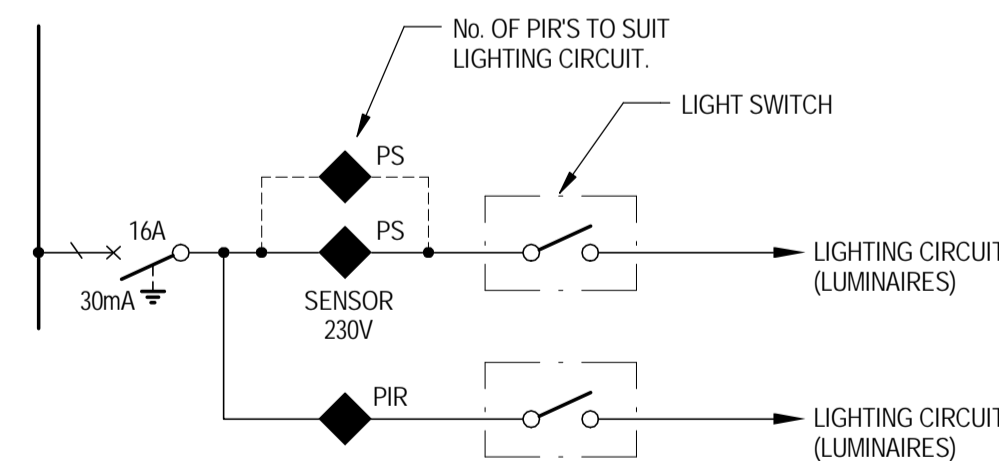
EXTERNAL LIGHTING - TYPICAL CONTROL DIAGRAM

NOT TO SCALE



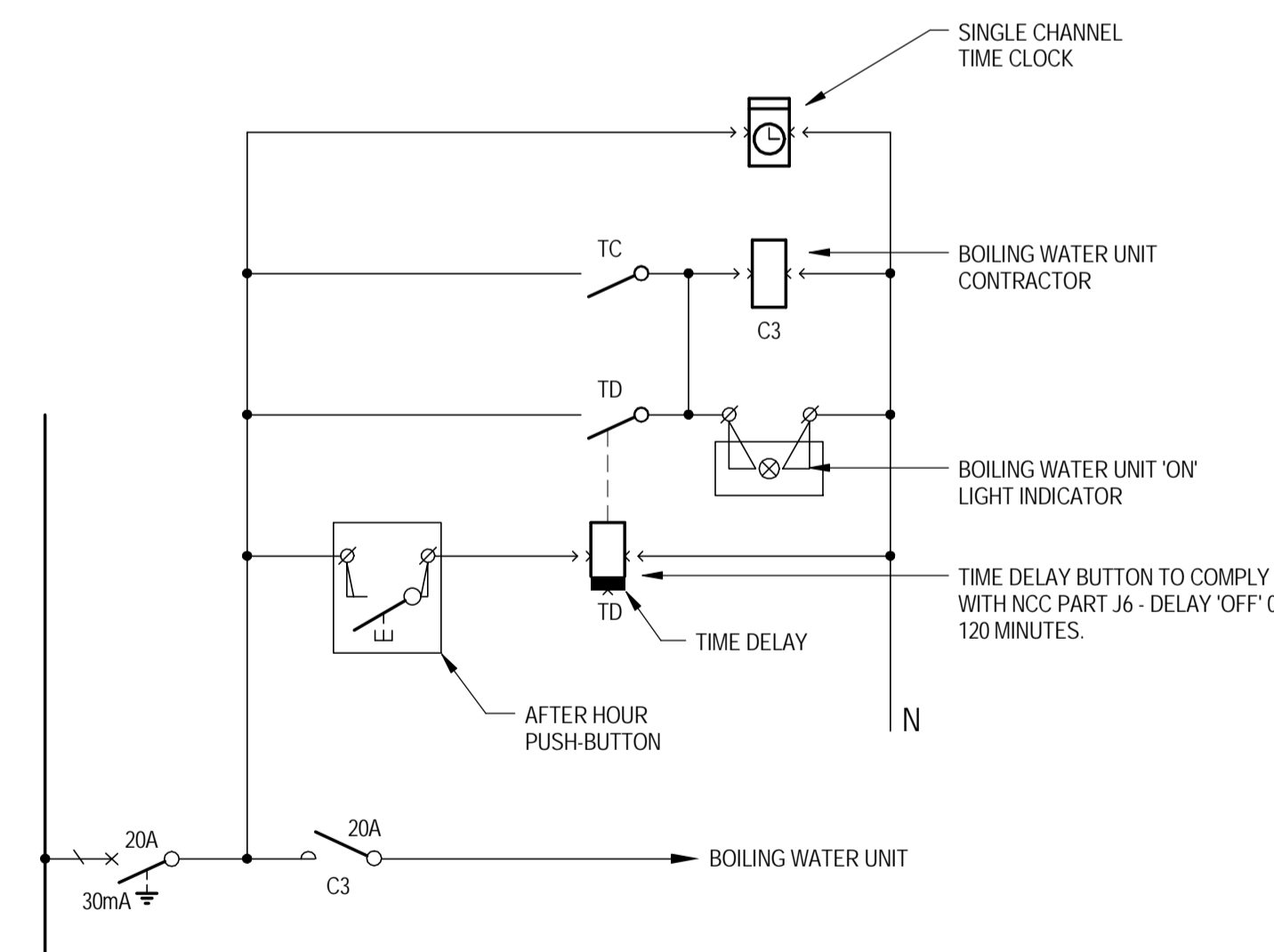
TYPICAL CEILING FAN CIRCUIT

NOT TO SCALE



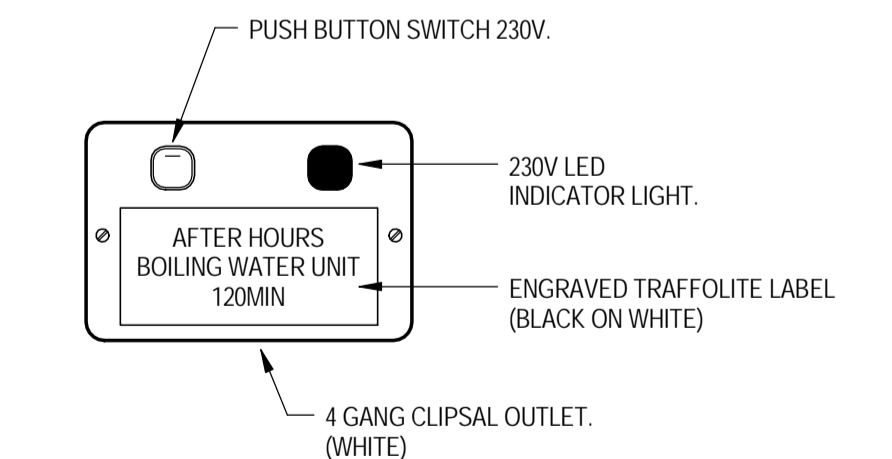
TYPICAL ROOM CIRCUIT DETAIL

NOT TO SCALE



TYPICAL BOILING WATER / CHILLED WATER UNIT CONTROL SCHEMATIC DIAGRAM

NOT TO SCALE



TYPICAL AFTER HOURS PUSH BUTTON FACE-PLATE

NOT TO SCALE

FOR CONSTRUCTION

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
2	REVISED FOR CONSTRUCTION		HT	SM	SP*	15.12.17
1	REVISED FOR CONSTRUCTION		BS	SM	SP*	05.12.17
0	ISSUED FOR CONSTRUCTION		ALC	SM*	SP	21.10.16



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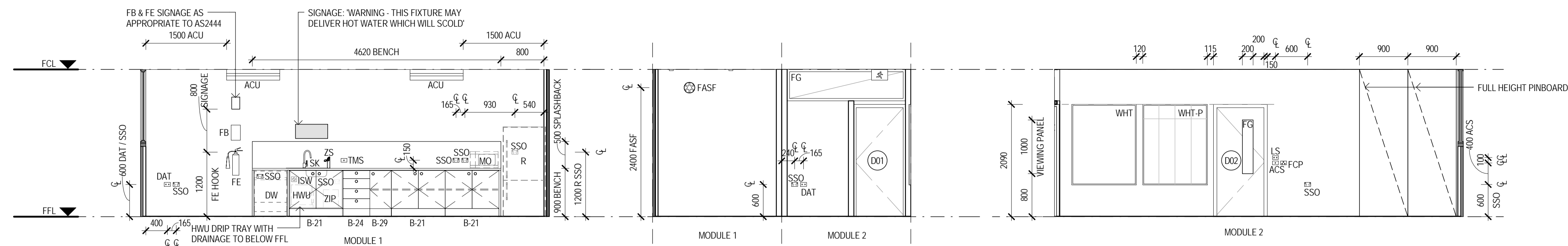
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Drafting Check	M.LEWIS*	Design Check	D.MOORE*
Approved (Project Director)	S.PAGE*	Date	25.10.16
Scale	NOT TO SCALE	This Drawing must not be used for Construction unless signed as Approved	

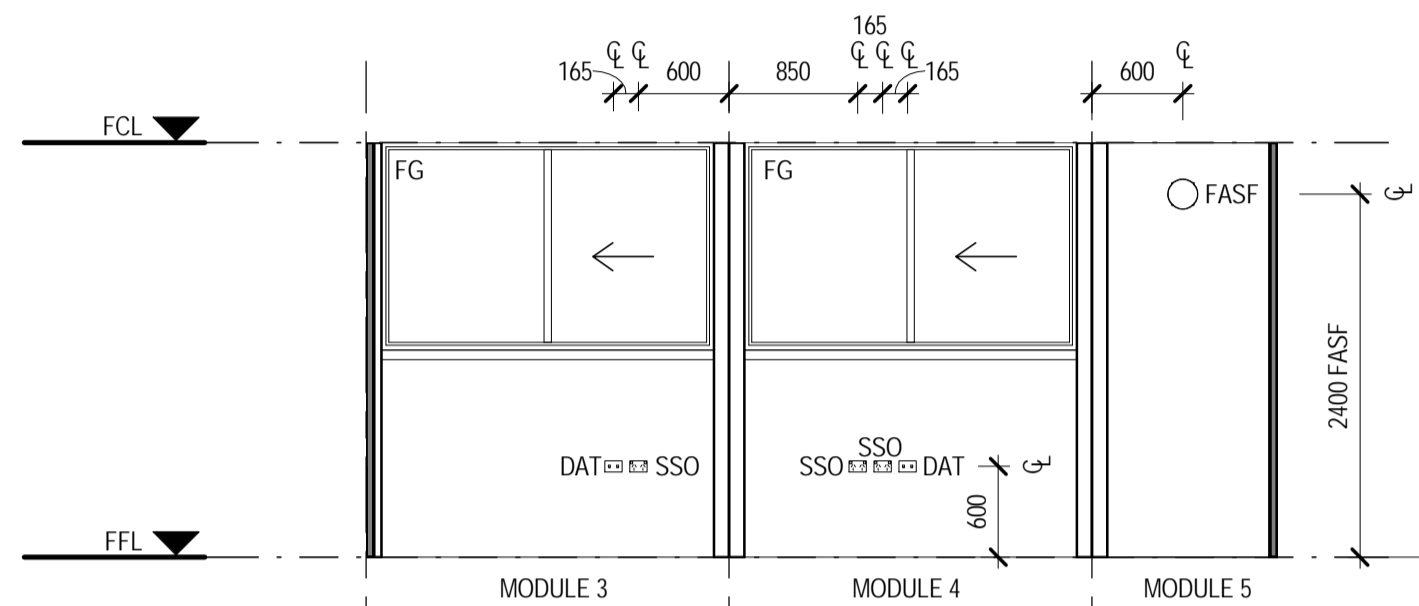
Client	DEPARTMENT OF EDUCATION
Project	DEMOUNTABLE REFURBISHMENT PROJECT
Title	OS502 - 8 MODULE ADMINISTRATION & STAFF ELECTRICAL SINGLE LINE DIAGRAMS
Original Size	A1
Drawing No:	OS502.5-8.ASR -ELC
Rev:	2



1 STAFF ROOM
OS502.1 SCALE 1:50

2 STAFF ROOM
OS502.1 SCALE 1:50

3 STAFF ROOM
OS502.1 SCALE 1:50

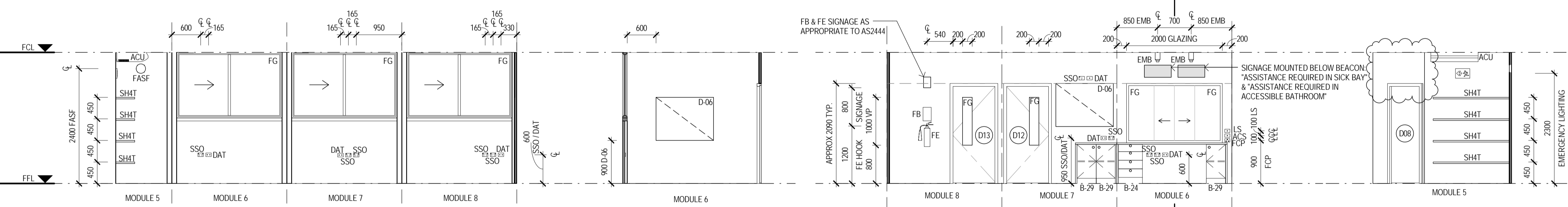


4 PRINCIPALS OFFICE
OS502.1 SCALE 1:50

5 PRINCIPALS OFFICE
OS502.1 SCALE 1:50

6 PRINCIPALS OFFICE
OS502.1 SCALE 1:50

7 PRINCIPALS ENTRY
OS502.1 SCALE 1:50

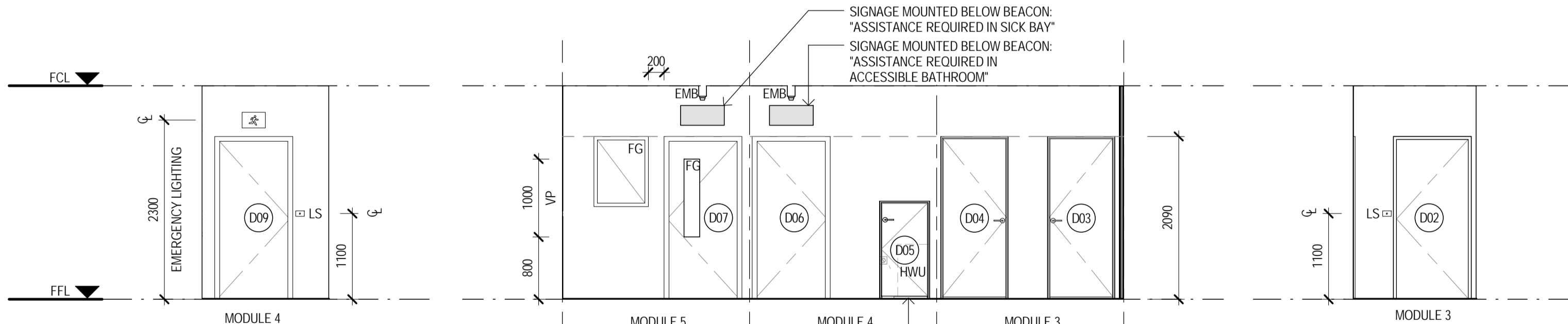


8 CLERICAL/DUPLICATING
OS502.1 SCALE 1:50

9 CLERICAL/DUPLICATING
OS502.1 SCALE 1:50

10 CLERICAL/DUPLICATING
OS502.1 SCALE 1:50

11 CLERICAL/DUPLICATING
OS502.1 SCALE 1:50



12 CORRIDOR
OS502.1 SCALE 1:50

13 CORRIDOR
OS502.1 SCALE 1:50

14 CORRIDOR
OS502.1 SCALE 1:50

- NOTES:**
- CONTRACTOR TO SUPPLY & INSTALL ALL ITEMS AS SPECIFIED IN CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS SPECIFIED IN THIS DRAWING
 - ALL STRUCTURAL METHODS, MATERIALS AND FINISHES ARE TO REMAIN AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS SPECIFIED IN THIS DRAWING
 - GENERAL POWER OUTLETS & DATA OUTLETS ARE TO BE LOCATED NOT LESS THAN 600mm ABOVE THE FFL
 - ALL LIGHT, FAN & AC SWITCHES ARE TO BE NOT LESS THAN 1000mm ABOVE THE FFL & LABELED ACCORDINGLY
 - ALL SWITCHES, FIXTURES & FITTINGS ARE TO BE INSTALLED AS PER EDUCATIONAL FACILITIES STANDARDS & GUIDELINES. ALL SWITCHES ARE TO BE LABELED ACCORDING TO THEIR PURPOSE
 - ALL ELECTRICAL APPLIANCES SHALL BE INSTALLED TO RELEVANT SECTIONS OF DAMP AREAS AS/NZS 3000
 - ALL DIMENSIONS CLEAR REFER TO THE FACE OF THE FINAL FINISHED SURFACE
 - CEILING TYPE, EAVE SHEETING & ROOF STRUCTURE TO BE AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS AGREED UPON OTHERWISE BETWEEN THE CLIENT & THE CONTRACTOR
 - WALL TYPE CONFIGURATIONS SHOWN ON THIS DRAWING ARE TO BE CONSTRUCTED AS PER THE DETAILS WITHIN THE CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT

LEGEND	
CODE	DESCRIPTION
ACS	AIR CONDITIONING TIMER SWITCH - COUNTDOWN TIMER, ADJUSTABLE AT EDB, ALSO ACTIVATES VENTILATION FAN, SIGNAGE ABOVE SWITCH PLATE
ACU	AIR CONDITIONING HEAD UNIT
B-21	BENCH CUPBOARD - DOUBLE DOOR
B-24	BENCH CUPBOARD - DRAWER UNIT
B-29	BENCH CUPBOARD - SINGLE DOOR
D-06	PINBOARD - 1800mm W X 900mm H, WALL MOUNTED
DAT	DATA OUTLET - REFER ELECTRICAL DRAWINGS FOR DETAIL
DW	DISHWASHER - SPACE ALLOCATED & POWER OUTLET ONLY, UNIT PROVIDED BY SCHOOL
EMB	EMERGENCY BEACON - MOUNTED EXTERNAL TO, & ABOVE DOOR WITH SIGNAGE
FASF	VENTILATION INTAKE FAN - OPERATED VIA AIR CONDITIONING SWITCH
FB	FIRE BLANKET
FCP	FAN CONTROL PANEL, REFER ELECTRICAL DRAWINGS FOR DETAIL
FE	FIRE EXTINGUISHER
FG	FIXED GLAZING - 6.3mm LAMINATE
FSV	FAN SWITCH WITH VARIABLE SPEED DIAL, SIGNAGE ABOVE SWITCH PLATE
HWU	HOT WATER UNIT - WITH DRIP TRAY WITH DRAINAGE TO BELOW FFL, LOCKABLE & VENTED ENCLOSURE
ISW	HWS ISOLATING SWITCH, SIGNAGE ABOVE SWITCH PLATE
LS	LIGHT SWITCH - REFER TO ELECTRICAL DRAWINGS FOR DETAIL
MO	MICROWAVE OVEN - PROVIDED BY SCHOOL
R	REFRIGERATOR - SPACE ALLOCATED & POWER OUTLET ONLY, UNIT PROVIDED BY SCHOOL
SHAT	FIXED SHELVING - 450mm DEEP
SK	STAINLESS STEEL SINK, TAP & MIXER
SSO	SWITCHED SOCKET OUTLET - REFER ELECTRICAL DRAWINGS FOR DETAIL
TMS	HOT WATER TIMER SWITCH - ACTIVATES THE ZIP HOT WATER UNIT OUTSIDE TYPICAL SCHOOL HOURS, SIGNAGE ABOVE SWITCH PLATE
WHT	WHITEBOARD - WALL MOUNTED, 1200x1800
WHT-P	WHITEBOARD - TERM PLANNER, WALL MOUNTED, 1200x1500 BO-27
ZIP	ZIP BOIL - BOILER / CHILLER / FILTER UNIT
ZS	ZIP BOIL - MIXING SPOUT HARDWARE



FOR CONSTRUCTION

No	Revision	Note	Drawn	Job Manager	Project Director	Date
1	HIGHLIGHT WINDOW REMOVED		KK	SM	SP	17.07.17
0	FOR CONSTRUCTION		KK	SM	SP	21.10.16



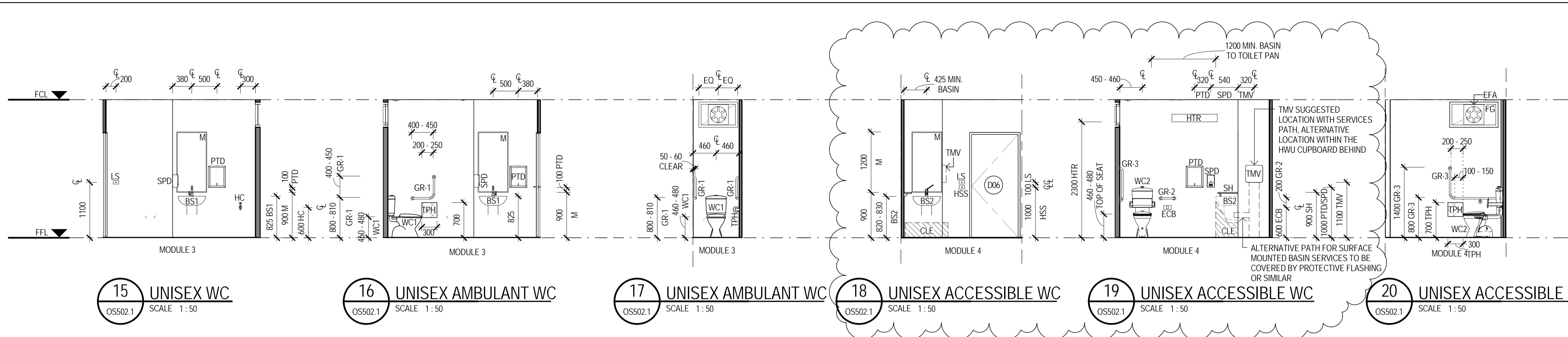
Education

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Drafting Check	M. LEWIS*	Design Check	S. MELLOR*	Project
Approved (Project Director)	S. PAGE*	Date	25.10.16	Title
Scale	1:50	This Drawing must not be used for Construction unless signed as Approved		Original Size
				A1
				Drawing No: OS502.2-8.ASR -ARC
				Rev: 1



15 UNISEX WC
OS502.1 SCALE 1:50

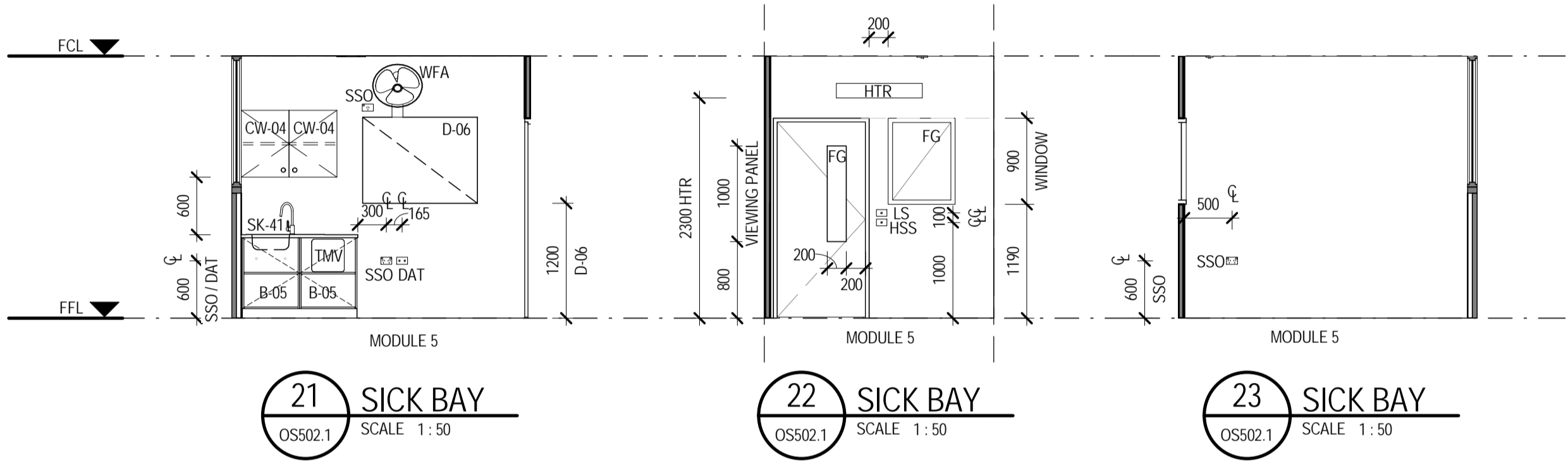
16 UNISEX AMBULANT WC
OS502.1 SCALE 1:50

17 UNISEX AMBULANT WC
OS502.1 SCALE 1:50

18 UNISEX ACCESSIBLE WC
OS502.1 SCALE 1:50

19 UNISEX ACCESSIBLE WC
OS502.1 SCALE 1:50

20 UNISEX ACCESSIBLE WC
OS502.1 SCALE 1:50



21 SICK BAY
OS502.1 SCALE 1:50

22 SICK BAY
OS502.1 SCALE 1:50

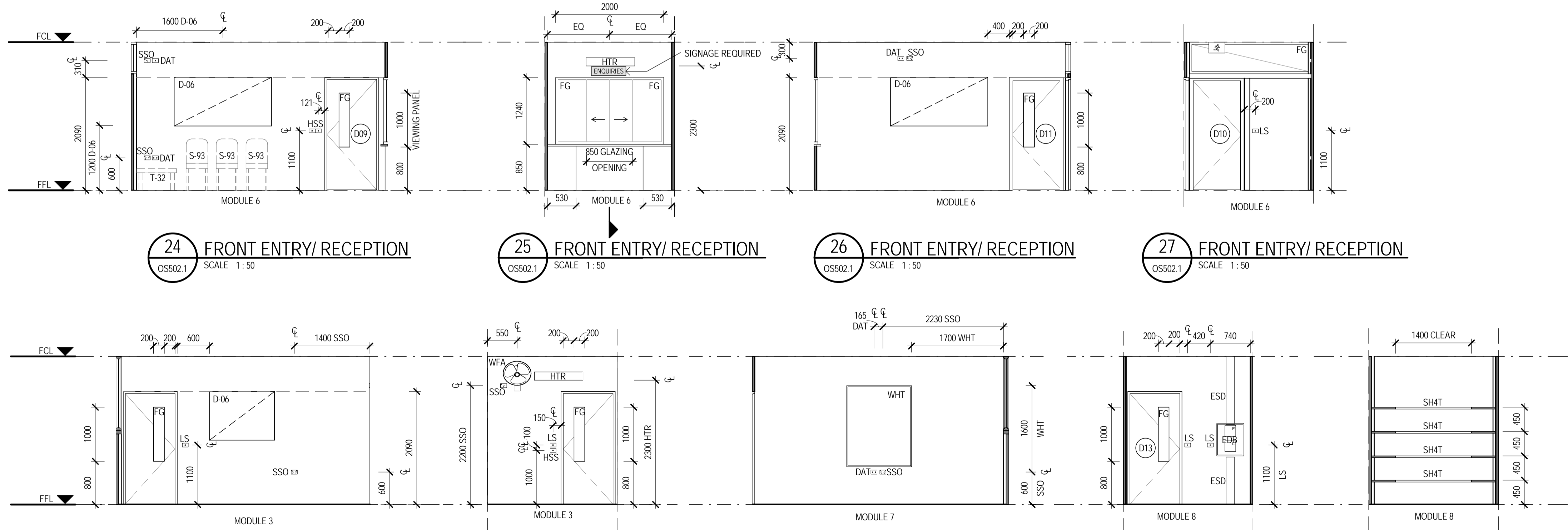
23 SICK BAY
OS502.1 SCALE 1:50

24 FRONT ENTRY/ RECEPTION
OS502.1 SCALE 1:50

25 FRONT ENTRY/ RECEPTION
OS502.1 SCALE 1:50

26 FRONT ENTRY/ RECEPTION
OS502.1 SCALE 1:50

27 FRONT ENTRY/ RECEPTION
OS502.1 SCALE 1:50



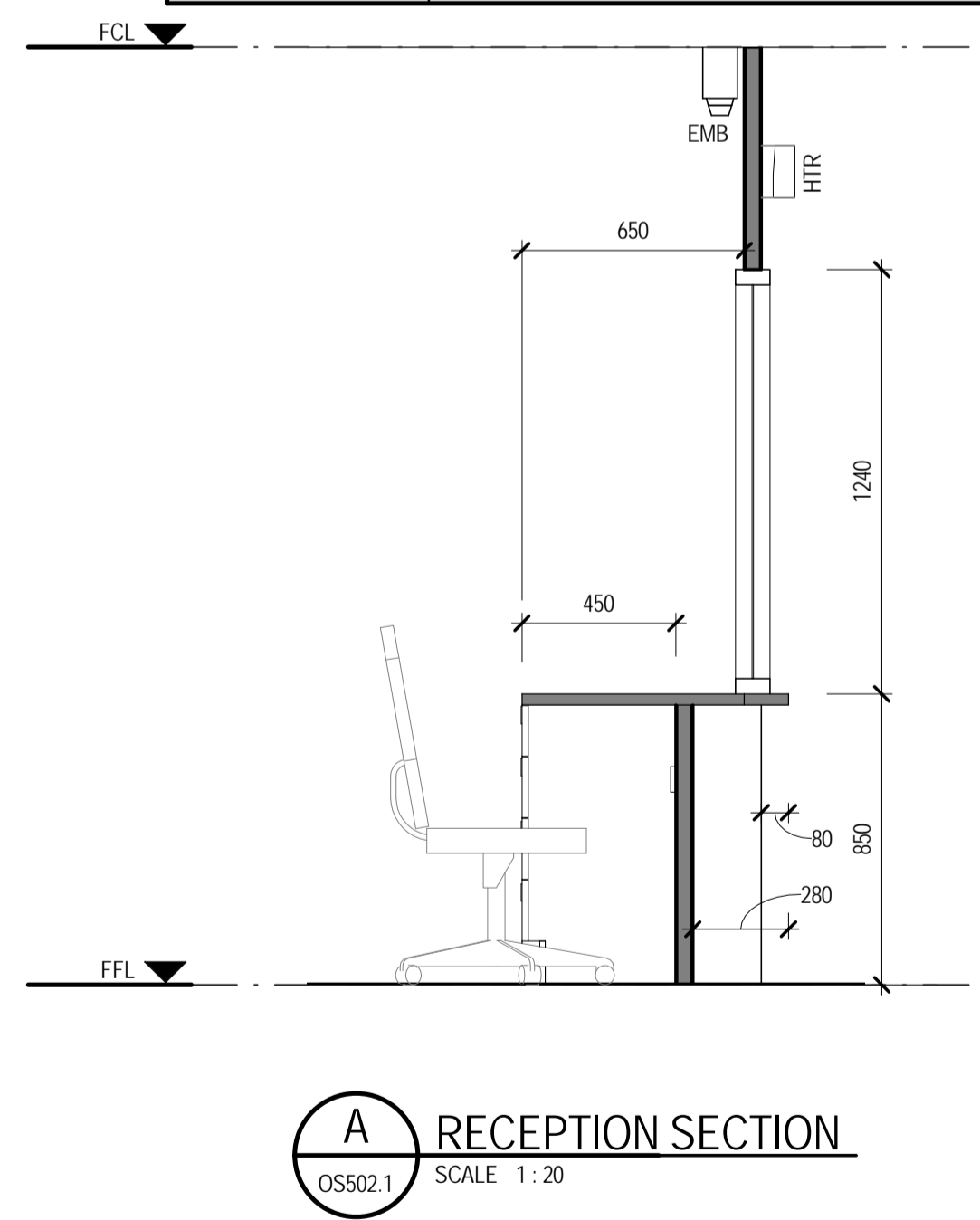
28 INTERVIEW ROOM
OS502.1 SCALE 1:50

29 INTERVIEW ROOM
OS502.1 SCALE 1:50

30 INTERVIEW ROOM
OS502.1 SCALE 1:50

31 SECURE STORE
OS502.1 SCALE 1:50

32 SECURE STORE
OS502.1 SCALE 1:50



A RECEPTION SECTION
OS502.1 SCALE 1:20



FOR CONSTRUCTION

NOTES:

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- ALL LIGHT, FAN & AC SWITCHES ARE TO BE NOT LESS THAN 1000mm ABOVE THE FFL & LABELED ACCORDINGLY
- ALL SWITCHES, FIXTURES & FITTINGS ARE TO BE INSTALLED AS PER EDUCATIONAL FACILITIES STANDARDS & GUIDELINES. ALL SWITCHES ARE TO BE LABELED ACCORDING TO THEIR PURPOSE
- ALL ELECTRICAL APPLIANCES SHALL BE INSTALLED TO RELEVANT SECTIONS OF DAMP AREAS AS/NZS 3000
- ALL DIMENSIONS CLEAR REFER TO THE FACE OF THE FINAL FINISHED SURFACE
- CEILING TYPE, EAVE SHEETING & ROOF STRUCTURE TO BE AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS AGREED UPON OTHERWISE BETWEEN THE CLIENT & THE CONTRACTOR
- WALL TYPE CONFIGURATIONS SHOWN ON THIS DRAWING ARE TO BE CONSTRUCTED AS PER THE DETAILS WITHIN THE CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT

LEGEND	
CODE	DESCRIPTION
B-05	BENCH CUPBOARD WITH SINK
BS1	BASIN & LEVER MIXER
BS2	ACCESSIBLE BASIN & LEVER MIXER TO AS1428.1 - PREFERRED BASIN SERVICES PATH THROUGH THE WALL INTO THE HWU SPACE, ALTERNATIVE PATH AS SHOWN ON THE ELEVATIONS
CH	CLOTHES HOOK
CLE	KNEE - TOE CLEARANCE ZONE AS PER AS1428.1, 300x850mm
CW-04	FIXED OVERHEAD CUPBOARD - (LEFT & RIGHT AS SHOWN)
D-06	PINBOARD - 1800mm W X 900mm H, WALL MOUNTED
DAT	DATA OUTLET - REFER ELECTRICAL DRAWINGS FOR DETAIL
ECB	EMERGENCY CALL BUTTON
EDB	ELECTRICAL DISTRIBUTION BOARD - TO BE INSTALLED AS PER RELEVANT ELECTRICAL AUSTRALIAN STANDARDS
EFA	EXHAUST FAN - IP44 RATED OR SIMILAR
EMB	EMERGENCY BEACON - MOUNTED EXTERNAL TO, & ABOVE DOOR WITH SIGNAGE
ESD	ELECTRICAL SERVICES DUCTING
FG	FIXED GLAZING - 6.3mm LAMINATE
GR-1	AMBULANT GRAB RAIL AS PER AS1428.1
GR-2	300mm GRAB RAIL AS PER AS1428.1
GR-3	RIGHT HAND ACCESSIBLE GRAB RAIL AS PER AS1428.1
HC	HOSE COCK - CLEANERS USE, 600mm ABOVE FFL
HSS	HEATER SWITCH - PUSH BUTTON TIMER, SIGNAGE ABOVE SWITCH PLATE
HTR	HEATER - WALL MOUNTED
LS	LIGHT SWITCH - REFER TO ELECTRICAL DRAWINGS FOR DETAIL
M	MIRROR
PTD	PAPER TOWEL DISPENSER
S-93	CHAIR - VISITORM, WITH ARMS, VINYL OR WOOL FINISH
SH	BATHROOM SHELVING - AS PER AS1428.1
SH1	FIXED SHELVING - 450mm DEEP
SK-41	FIXED SINK
SPD	SOAP DISPENSER
SSO	SWITCHED SOCKET OUTLET - REFER ELECTRICAL DRAWINGS FOR DETAIL
T-32	TABLE - LOW, SQUARE
TMV	THERMOSTATIC MIXING VALVE - AQUABLEND 1500 & WALL MOUNTED LOCKABLE STAINLESS STEEL CONTROL BOX
TPH	TOILET PAPER HOLDER ZONE TO AS1428.1
WC1	TOILET PAN & CISTERN AS PER THE CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT
WC2	ACCESSIBLE TOILET SUITE WITH BACK REST, RAISED BUTTONS & CISTERN TO AS1428.1
WFA	WALL MOUNTED FAN
WHT	WHITEBOARD - WALL MOUNTED, 1200x1800

No	Revision	Note	Drawn	Job Manager	Project Director	Date
1		ACCESSIBLE BASIN SERVICES UPDATED	KK	SM	SP	28.11.16
0		FOR CONSTRUCTION	KK	SM	SP	21.10.16

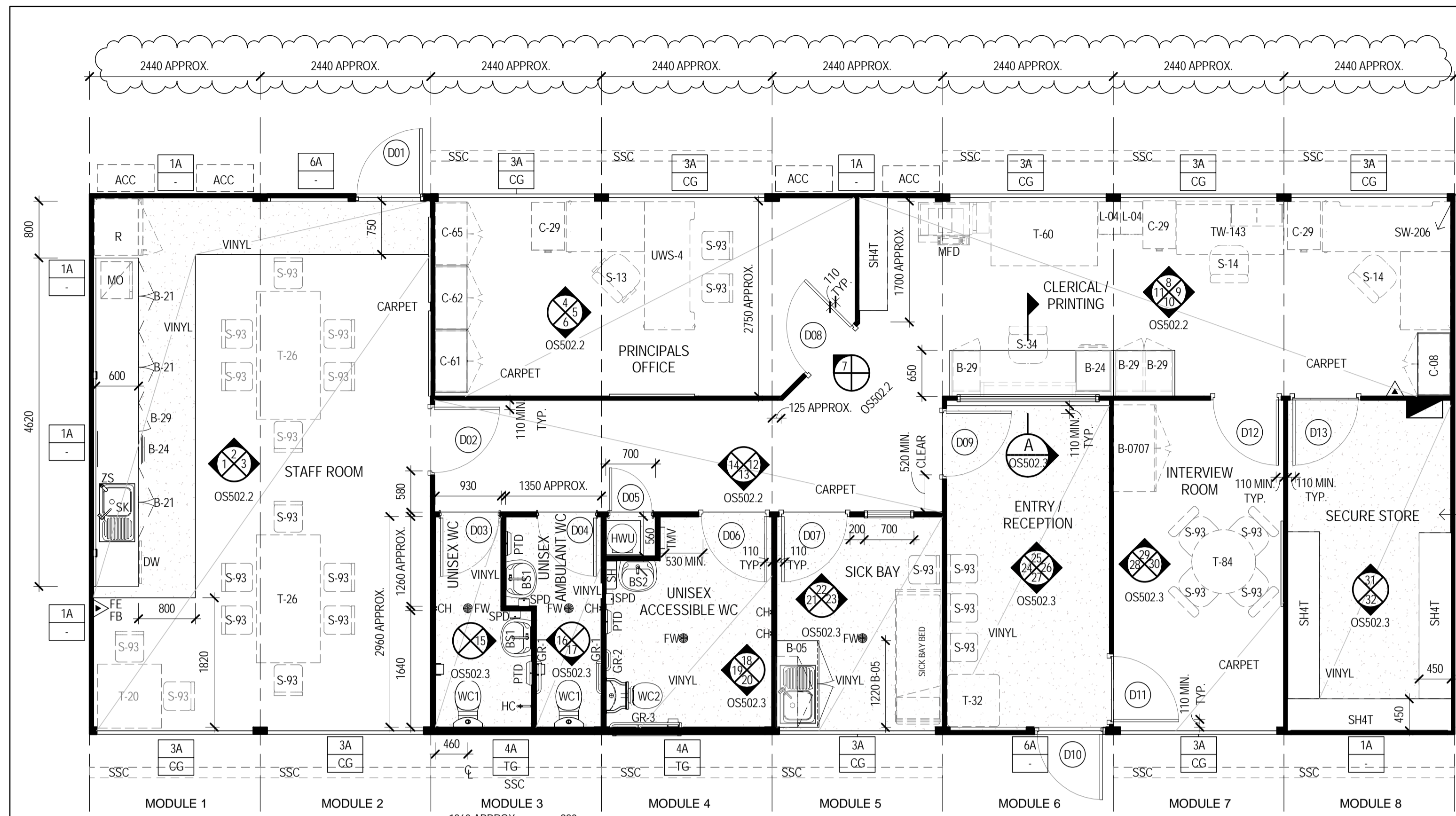


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DO NOT SCALE	
Drawn	K. KNAUS
Designer	K. KNAUS
Drafting Check	M. LEWIS*
Design Check	S. MELLOR*
Approved (Project Director)	S.PAGE*
Date	25.10.16
Scale	As indicated

DEPARTMENT OF EDUCATION	
Project	DEMOUNTABLE REFURBISHMENT PROJECT
Title	OS502 - 8 MODULE ADMINISTRATION & STAFF INTERNAL ELEVATIONS 2 OF 2
Original Size	A1
Drawing No:	OS502.3-8.ASR -ARC
Rev:	1



FF&E PLAN
SCALE 1:50

NOTES:

- CONTRACTOR TO SUPPLY & INSTALL ALL ITEMS AS SPECIFIED IN CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS SPECIFIED IN THIS DRAWING
- ALL STRUCTURAL METHODS, MATERIALS AND FINISHES ARE TO REMAIN AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS SPECIFIED IN THIS DRAWING
- GENERAL POWER OUTLETS & DATA OUTLETS ARE TO BE LOCATED NOT LESS THAN 600mm ABOVE THE FFL
- ALL LIGHT, FAN & AC SWITCHES ARE TO BE NOT LESS THAN 1000mm ABOVE THE FFL & LABELED ACCORDINGLY
- ALL SWITCHES, FIXTURES & FITTINGS ARE TO BE INSTALLED AS PER EDUCATIONAL FACILITIES STANDARDS & GUIDELINES. ALL SWITCHES ARE TO BE LABELED ACCORDING TO THEIR PURPOSE
- ALL ELECTRICAL APPLIANCES SHALL BE INSTALLED TO RELEVANT SECTIONS OF DAMP AREAS AS/NZS 3000
- ALL DIMENSIONS CLEAR REFER TO THE FACE OF THE FINAL FINISHED SURFACE
- CEILING TYPE, EAVE SHEETING & ROOF STRUCTURE TO BE AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS SPECIFIED OTHERWISE BETWEEN THE CLIENT & THE CONTRACTOR
- WALL TYPE CONFIGURATIONS SHOWN ON THIS DRAWING ARE TO BE CONSTRUCTED AS PER THE DETAILS WITHIN THE CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT

WALL TYPES:

- XX ← WALL TYPE OPTION
- XX ← GLAZING OPTION

WALL TYPE DETAILS TO BE AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT

GLAZING LEGEND:

- CG - CLEAR GLAZING
- TG - FROSTED OR TRANSLUCENT GLAZING
- NO GLAZING

FURNITURE SHOWN DASHED IS FOR SUGGESTED LAYOUT ONLY, TO BE PROVIDED BY SCHOOL

7600 APPROX. EXTERNAL DIMENSIONS

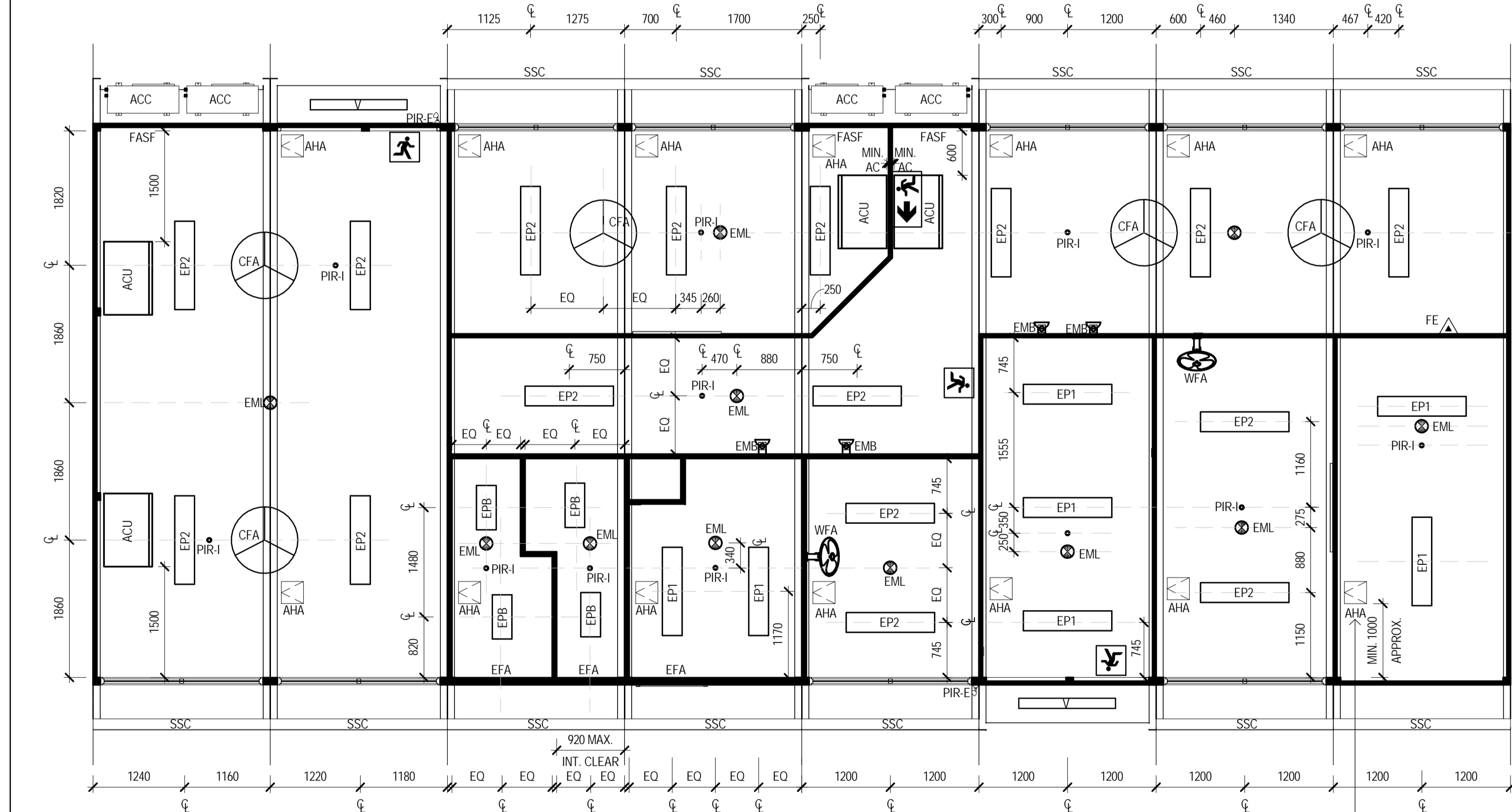
2750 APPROX.

4650 APPROX.

2350

SECURE STORE INTERNAL WALLS TO BE CLAD WITH ALUMINUM CLADDING FOR SECURITY REQUIREMENTS

LEGEND	
CODE	DESCRIPTION
ACC	AIR CONDITIONING CONDENSER
ACU	AIR CONDITIONING HEAD UNIT
AHA	ELECTRICAL CONNECTIONS ACCESS HATCH
B-05	BENCH CUPBOARD WITH SINK
B-21	BENCH CUPBOARD - DOUBLE DOOR
B-24	BENCH CUPBOARD - DRAWER UNIT
B-29	BENCH CUPBOARD - SINGLE DOOR
B-0707	BENCH CUPBOARD - DOUBLE DOOR
BS1	BASIN & LEVER MIXER
BS2	ACCESSIBLE BASIN & LEVER MIXER TO AS1428.1 - PREFERRED BASIN SERVICES PATH THROUGH THE WALL INTO THE HWU SPACE. ALTERNATIVE PATH AS SHOWN ON THE ELEVATIONS
C-08	CUPBOARD STORAGE - FULL HEIGHT DOORS, LOCKABLE
C-29	FILING CABINET - FOUR DRAWER
C-61	CUPBOARD STORAGE - FULL HEIGHT DOORS, LOCKABLE
C-62	CUPBOARD STORAGE - 4 DOOR, LOCKABLE
C-65	BOOKCASE STORAGE - GLASS & LAMINATE PANEL DOORS, LOCKABLE
CFA	CEILING FAN - REFER ELECTRICAL DRAWINGS FOR DETAIL
CH	CLOTHES HOOK
CPO	CEILING MOUNTED SOCKET OUTLET - SINGLE 240V 10AMP
DW	DISHWASHER - SPACE ALLOCATED & POWER OUTLET ONLY, UNIT PROVIDED BY SCHOOL
EFA	EXHAUST FAN - IP44 RATED OR SIMILAR
EMB	EMERGENCY BEACON - MOUNTED EXTERNALLY TO, & ABOVE DOOR WITH SIGNAGE
EML	EMERGENCY LIGHTING - REFER ELECTRICAL DRAWINGS FOR DETAIL
EP1	LIGHT FITTING - INTERNAL REFER ELECTRICAL DRAWINGS FOR DETAIL
EP2	LIGHT FITTING - INTERNAL REFER ELECTRICAL DRAWINGS FOR DETAIL
EPB	LIGHT FITTING - INTERNAL REFER ELECTRICAL DRAWINGS FOR DETAIL
ESD	ELECTRICAL SERVICES DUCTING
FASF	VENTILATION INTAKE FAN - OPERATED VIA AIR CONDITIONING SWITCH
FB	FIRE BLANKET
FE	FIRE EXTINGUISHER
FW	FLOOR WASTE
GR-1	AMBULANT GRAB RAIL AS PER AS1428.1
GR-2	300mm GRAB RAIL AS PER AS1428.1
GR-3	RIGHT HAND ACCESSIBLE GRAB RAIL AS PER AS1428.1
HC	HOSE COCK - CLEANERS USE, 600mm ABOVE FFL
HTR	HEATER - WALL MOUNTED
HWU	HOT WATER UNIT - WITH DRIP TRAY WITH DRAINAGE TO BELOW FFL, LOCKABLE & VENTED ENCLOSURE
L-04	STUDENT LOCKERS - 4 DOOR
MFD	MULTI-FUNCTION DEVICE - PROVIDED BY SCHOOL
MO	MICROWAVE OVEN - PROVIDED BY SCHOOL
PIR-E	PASSIVE INFRARED MOVEMENT DETECTOR - EXTERNAL 90° ADJUSTABLE, STEEL FRAME MOUNTED
PIR-I	PASSIVE INFRARED MOVEMENT DETECTOR - INTERNAL 360° FIXED, CEILING MOUNTED
PTD	PAPER TOWEL DISPENSER
R	REFRIGERATOR - SPACE ALLOCATED & POWER OUTLET ONLY, UNIT PROVIDED BY SCHOOL
S-13	CHAIR - SWIVEL WITH ARMS
S-14	CHAIR - SWIVEL WITHOUT ARMS
S-34	DRAFTING STOOL - GAS LIFT
S-93	CHAIR - VISITORM, WITH ARMS, VINYL OR WOOL FINISH
SH	BATHROOM SHELVEING - AS PER AS1428.1
SHAT	FIXED SHELVEING - 450mm DEEP
SK	STAINLESS STEEL SINK, TAP & MIXER
SPD	SOAP DISPENSER
SSC	SUN SCREEN - FITTED EXTERNALLY TO UNDERSIDE OF EAVE
SW-206	WORKSTATION, 1800x1800
T-20	TABLE - 900x900
T-26	TABLE - 1800x900
T-32	TABLE - LOW, SQUARE
T-60	TABLE - 1500x900, RECTANGLE
T-84	TABLE - ROUND MEETING TABLE
TMV	THERMOSTATIC MIXING VALVE - AQUA BLEND 1500 & WALL MOUNTED LOCKABLE STAINLESS STEEL CONTROL BOX
TW-143	TEACHERS WORKSTATION - SINGLE SIDED
UWS-4	WORKSTATION - L-SHAPED, 1800x1800
V	LIGHT FITTINGS EXTERNAL REFER ELECTRICAL DRAWINGS FOR DETAIL
WC1	TOILET PAN & CISTERN AS PER THE CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT
WC2	ACCESSIBLE TOILET SUITE WITH BACK REST, RAISED BUTTONS & CISTERN TO AS1428.1
WFA	WALL MOUNTED FAN
ZS	ZIP BOIL - MIXING SPOUT HARDWARE



REFLECTED CEILING PLAN
SCALE 1:50

DOOR SCHEDULE											
DOOR NO.	LOCATION	FRAME TYPE	FRAME FINISH	LEAF SIZE	LEAF CONSTRUCTION	LEAF FINISH	VIEWING PANEL	DOOR LATCH	LOCKSET FUNCTION	VENTING	COMMENTS
01	STAFF ROOM	STEEL FRAME	PAINT FINISH	40 x 920 x 2040	SOLID CORE	PAINT FINISH	No	Yes	KEY LOCKABLE	NONE	'STAFF ROOM SIGNAGE EXTERNAL, DOOR SEALS AS PER THE CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT
02	CORRIDOR	TIMBER FRAME	PAINT FINISH	35 x 920 x 2040	SOLID CORE	PAINT FINISH	Yes	Yes	KEY LOCKABLE	NONE	'STAFF ROOM SIGNAGE ON THE CORRIDOR SIDE, TOILETS & ADMINISTRATION SIGNAGE ON THE STAFF ROOM SIDE
03	UNISEX WC	TIMBER FRAME	PAINT FINISH	35 x 820 x 2040	HOLLOW CORE	PAINT FINISH	No	No	SNIB LOCKABLE	20mm UNDERCUT	'UNISEX TOILET' SIGNAGE, IN-USE INDICATOR, SNIB & LATCH AS PER AS1428.1
04	UNISEX ACCESSIBLE WC	TIMBER FRAME	PAINT FINISH	35 x 820 x 2040	HOLLOW CORE	PAINT FINISH	No	No	SNIB LOCKABLE	20mm UNDERCUT	'UNISEX AMBULANT TOILET' SIGNAGE & SYMBOLS, IN-USE INDICATOR, SNIB & LATCH AS PER AS1428.1, 750mm CLEAR
05	HWU CLOSET	TIMBER FRAME	PAINT FINISH	35 x 820 x 1200	HOLLOW CORE	PAINT FINISH	No	No	KEY LOCKABLE	DOOR GRILLE	'HOT WATER UNIT' SIGNAGE
06	UNISEX ACCESSIBLE WC	TIMBER FRAME	PAINT FINISH	35 x 920 x 2040	SOLID CORE	PAINT FINISH	No	No	SNIB LOCKABLE	20mm UNDERCUT	UNISEX ACCESSIBLE SIGNAGE AS PER AS1428.1, IN-USE INDICATOR, SNIB & LATCH AS PER AS1428.1
07	SICK BAY	TIMBER FRAME	PAINT FINISH	35 x 920 x 2040	SOLID CORE	PAINT FINISH	Yes	Yes	SNIB LOCKABLE	20mm UNDERCUT	'SICK BAY' SIGNAGE
08	PRINCIPALS OFFICE	TIMBER FRAME	PAINT FINISH	35 x 920 x 2040	SOLID CORE	PAINT FINISH	No	Yes	KEY LOCKABLE	NONE	'PRINCIPALS OFFICE' SIGNAGE
09	CORRIDOR	TIMBER FRAME	PAINT FINISH	35 x 920 x 2040	SOLID CORE	PAINT FINISH	Yes	No	KEY LOCKABLE	NONE	'AUTHORISED STAFF ONLY' SIGNAGE ON THE ENTRY/RECEPTION SIDE
10	ENTRY / RECEPTION	STEEL FRAME	PAINT FINISH	40 x 920 x 2040	SOLID CORE	PAINT FINISH	No	Yes	KEY LOCKABLE	NONE	'ADMINISTRATION' SIGNAGE EXTERNAL, DOOR SEALS AS PER THE CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT
11	INTERVIEW ROOM	TIMBER FRAME	PAINT FINISH	35 x 920 x 2040	SOLID CORE	PAINT FINISH	Yes	Yes	KEY LOCKABLE	20mm UNDERCUT	'INTERVIEW ROOM' SIGNAGE ON THE ENTRY/RECEPTION SIDE
12	INTERVIEW ROOM	TIMBER FRAME	PAINT FINISH	35 x 920 x 2040	SOLID CORE	PAINT FINISH	Yes	Yes	KEY LOCKABLE	NONE	'AUTHORISED STAFF ONLY' SIGNAGE ON THE INTERVIEW ROOM SIDE, 'INTERVIEW ROOM' SIGNAGE ON THE ADMINISTRATION ROOM SIDE
13	SECURE STORE	TIMBER FRAME	PAINT FINISH	35 x 920 x 2040	SOLID CORE	PAINT FINISH	Yes	Yes	KEY LOCKABLE	20mm UNDERCUT	'SECURE STORE, AUTHORISED STAFF ONLY' SIGNAGE

ACCESS HATCHES ALONG THIS SIDE SUGGESTED TO BE MOVED 1000mm TO PROVIDE BETTER ACCESSIBILITY AROUND FIXED FURNITURE FOR ON-SITE INSTALLATION

0 500 1000 1500 2000 2500mm
SCALE 1:50 AT ORIGINAL SIZE **FOR CONSTRUCTION**

No	Revision	Note	Drawn	Job Manager	Project Director	Date
2	MODULE DIMENSIONS UPDATED		KK	SM	SP	17.07.17
1	ACCESSIBLE BASIN SERVICES UPDATED		KK	SM	SP	28.11.16
0	FOR CONSTRUCTION		KK	SM	SP	21.10.16



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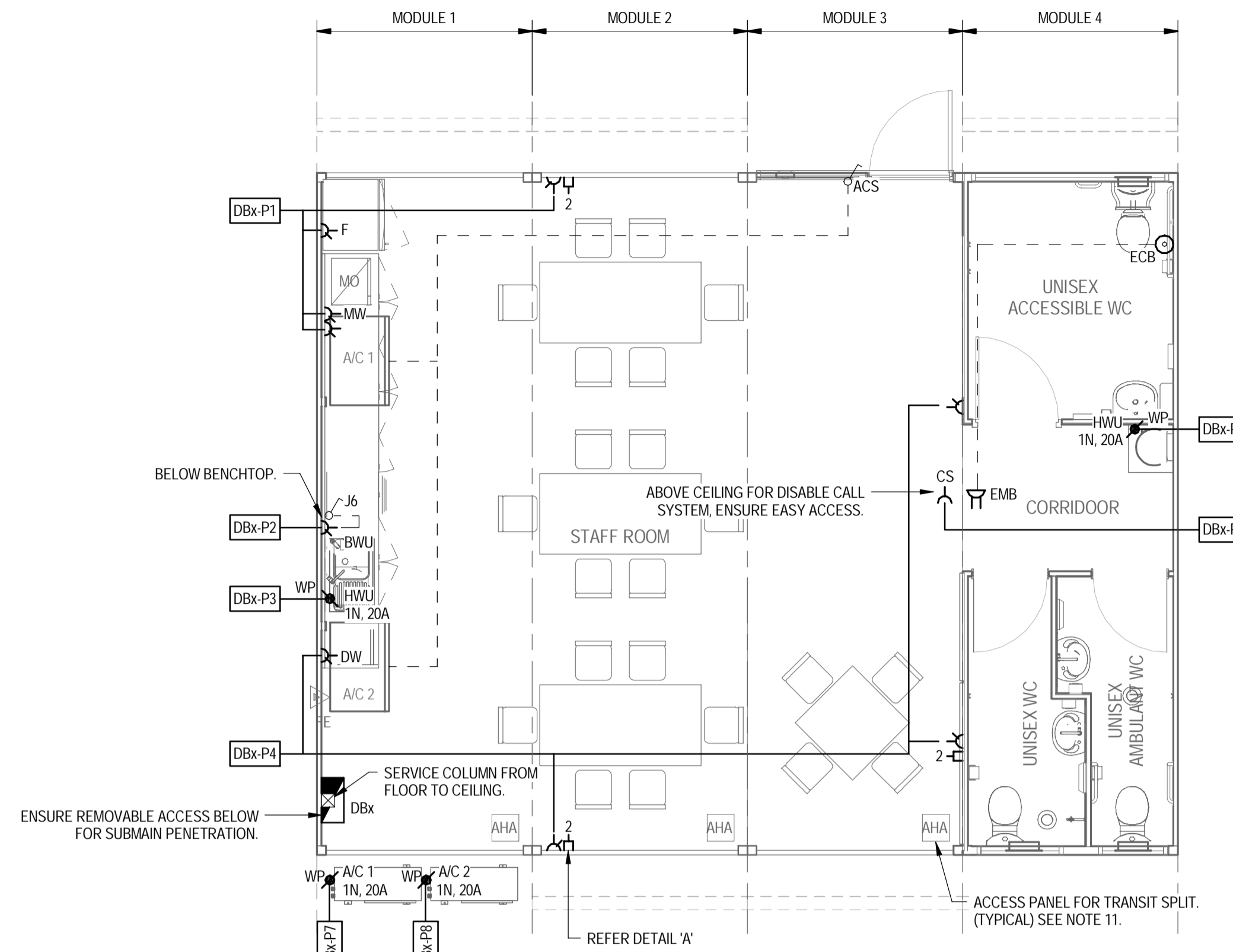
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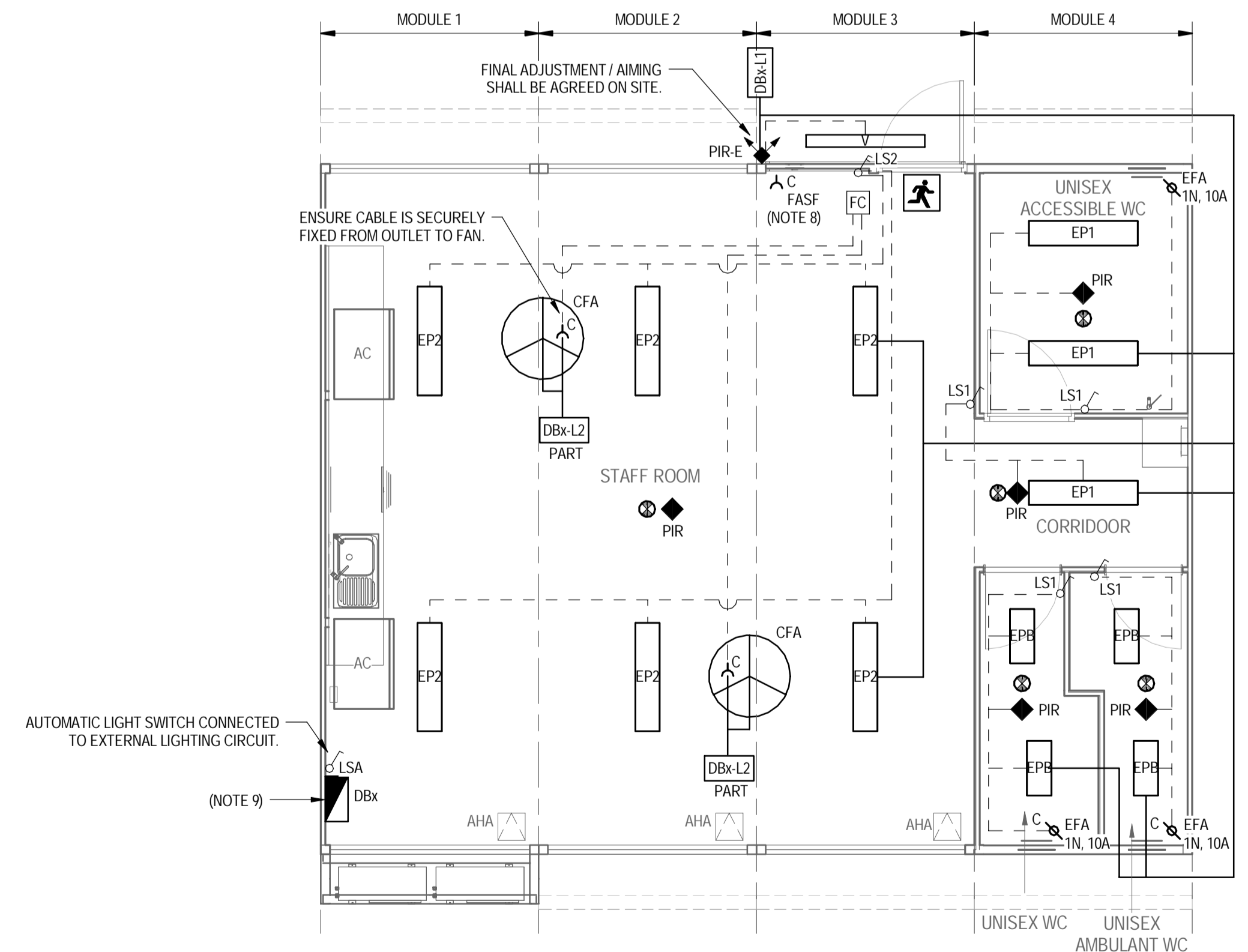
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Drawn	K. KNAUS	Designer	K. KNAUS
Drafting Check	M. LEWIS*	Design Check	S. MELLOR*
Approved (Project Director)	S. PAGE*	Date	25.10.16
Scale	1:50	This Drawing must not be used for construction unless signed as Approved	

Client	DEPARTMENT OF EDUCATION		
Project	DEMOUNTABLE REFURBISHMENT PROJECT		
Title	OS502 - 8 MODULE ADMINISTRATION & STAFF FF&E AND REFLECTED CEILING PLANS		
Original Size	A1	Drawing No:	OS502.1-8.ASR -ARC
Rev:	2		



POWER & COMMUNICATIONS LAYOUT
SCALE 1:50



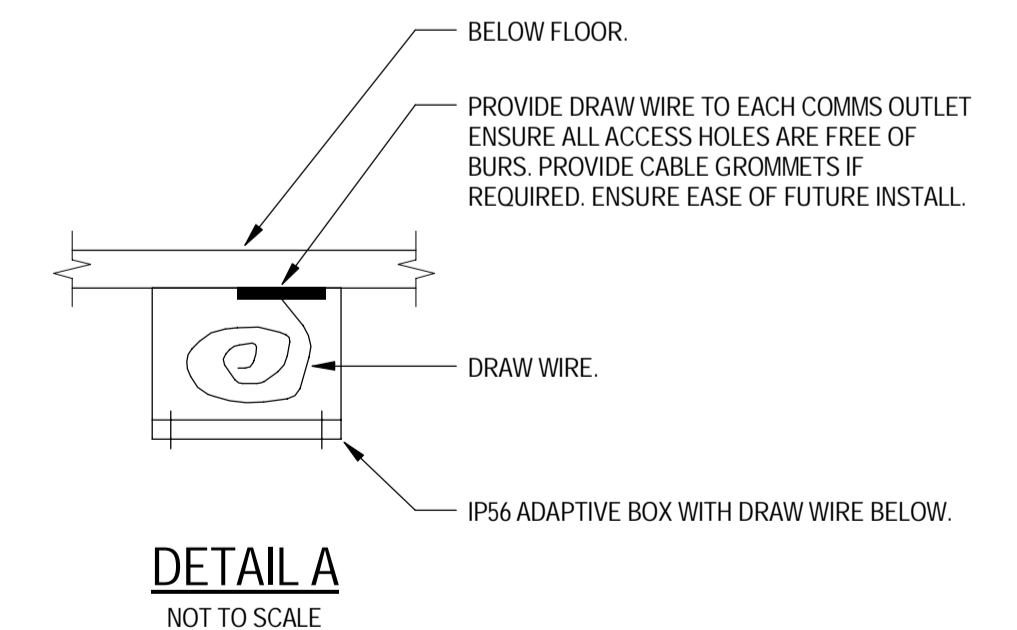
LIGHTING LAYOUT
SCALE 1:50

LEGEND:

- DISTRIBUTION BOARD (24 POLE) @1400mm AFL
- 10A TWIN SWITCHED SOCKET OUTLET MOUNTED @600mm AFL UNO.
- 10A SINGLE SOCKET OUTLET CEILING MOUNTED.
- 10A SINGLE SWITCHED SOCKET OUTLET CEILING MOUNTED FOR THE IN-TAKE FAN (FASF) & FED FROM THE A/C CONTROL CIRCUIT.
- 10A SINGLE SWITCHED SOCKET OUTLET. CS DENOTES MOUNTED ABOVE IN CEILING SPACE.
- PERMANENT CONNECTION WITH ISOLATOR SWITCH (IP56). MOUNT TO SUIT EQUIPMENT NOTED. x DENOTES EQUIPMENT ABBREVIATION, y DENOTES RATING.
- A/C DENOTES AIR CONDITIONING. HWU DENOTES HOT WATER UNIT.
- PERMANENT CONNECTION, CEILING MOUNTED TO SUIT EQUIPMENT NOTED. x DENOTES EQUIPMENT ABBREVIATION, y DENOTES RATING.
- EFA DENOTES EXHAUST FAN.
- DUAL DATA OUTLET LOCATE TO MATCH ADJACENT SSO.
- 1 x 28W SURFACE MOUNTED LUMINAIRE WITH VANDAL RESISTANT DIFFUSER. (PIERLITE VANDALUX OR APPROVED EQUIVALENT)
- 2 x 14W SURFACE MOUNTED LUMINAIRE DIFFUSER. (PIERLITE UNILUX OR APPROVED EQUIVALENT)
- 1 x 28W SURFACE MOUNTED LUMINAIRE DIFFUSER. (PIERLITE UNILUX OR APPROVED EQUIVALENT)
- 2 x 28W SURFACE MOUNTED LUMINAIRE DIFFUSER. (PIERLITE UNILUX OR APPROVED EQUIVALENT)
- LED MAINTAINED EMERGENCY EXIT SIGN WITH RUNNING MAN LEGEND (STRAIGHT AHEAD) (THOMAS & BETTS OR APPROVED EQUIVALENT)
- LED MAINTAINED EMERGENCY EXIT SIGN WITH RUNNING MAN LEGEND (DIRECTIONAL) (THOMAS & BETTS OR APPROVED EQUIVALENT)
- LED RECESSED NON-MAINTAINED EMERGENCY LUMINAIRE. CO/C90 = D50 (THOMAS & BETTS OR APPROVED EQUIVALENT)
- EXTERNAL LIGHTING TEST SWITCH: 1-GANG
- 10A LIGHT SWITCH: 1-GANG
- 10A LIGHT SWITCH: 2-GANG
- TIMER SWITCH FOR AIR CONDITIONING
- SECTION J COMPLIANT AFTER HOURS PUSH-BUTTON FACE PLATE. REFER DRAWING OS523.4-4-STR-ELC FOR DETAILS. (CLIPSAL 4 GANG OUTLET OR APPROVED EQUIVALENT)
- FAN CONTROL PANEL.
- 900mm 3 BLADE ALUMINUM CEILING FAN (WHITE) (CLIPSAL 3HS900AL OR APPROVED EQUIVALENT)
- PROPRIETARY EMERGENCY CALL PUSH-BUTTON LIGHT & BUZZER & ACCESSORIES. (SEDCO DISABLED TOILET KIT, KIT 2 STANDARD (BUTTON) 307-0410 OR APPROVED EQUIVALENT). PROVIDE ADDITIONAL COMPONENTS TO ACHIEVE PROJECT REQUIREMENTS.
- 360° RECESSED PASSIVE INFRARED MOTION SENSOR TO LIGHTING CIRCUIT. (CLIPSAL INFRASCAN 753R OR APPROVED EQUIVALENT)
- 110° IP66 SURFACE MOUNT PASSIVE INFRARED MOTION SENSOR TO PE-CELL EXTERIOR LIGHTING TO CIRCUIT. (CLIPSAL IP66 INFRASCAN 3-WIRE OR APPROVED EQUIVALENT)
- SWITCH WIRE
- CIRCUIT
- CIRCUIT DESIGNATION
- CEILING ACCESS HATCH FOR MODULE CONNECTION. JUNCTION BOXES ARE LOCATED AT THE AHA LOCATION.

NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFIED DRAWING.
2. ALL EQUIPMENT SHALL BE INSTALLED TO THEIR MANUFACTURERS LITERATURE AND THEIR RECOMMENDATIONS SHALL BE ADHERED TO.
3. ALL EQUIPMENT IS NEW.
4. REFER TO THE ARCHITECT'S DRAWINGS FOR THE SET OUT AND MOUNTING HEIGHTS OF ALL ACCESSORIES AND EQUIPMENT. NOTE - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE LOCATIONS COMPLY WITH AS/NZS3000.
5. REFER TO DETAIL A FOR COMMUNICATION PROVISIONS. ENSURE THE ARRANGEMENT FACILITATES EASE OF INSTALL AT A LATER DATE - WHERE THIS CANNOT BE ACHIEVED PROVIDE A CONDUIT (RE-WIREABLE SOLUTION).
6. PROVIDE CIRCUIT LABELING AND ID LABELING ON ALL OUTLETS (USE UV RESISTANT TRAFFOLITE LABELING FOR EXTERNAL ISOLATORS.)
7. ENSURE WHERE CABLE SUPPORT OR ACCESS PROVISIONS ARE PROVIDED FOR COMMUNICATION SERVICES ENSURE THE PROVISIONS ACHIEVE SEPARATION REQUIREMENTS IDENTIFIED IN AS/NZS3000 AND AS/CA 5009.
8. FASF POWER SUPPLY TO BE FED FROM AC CONTROL CIRCUIT BY MECHANICAL CONTRACTOR.
9. PROVIDE PROPRIETARY EMERGENCY TEST SWITCH TO COMPLY WITH AS/NZS2293 PART 1.
10. BY OTHERS - DENOTES CABLE SUPPORT BOX / BLANK PLATE AND DRAW WIRE TO BE PROVIDED BY CONTRACTOR ONLY. CONNECTING EQUIPMENT BY OTHERS.
11. ANY CABLE JUNCTIONS / JOINTS IN POWER CABLE SHALL BE FIXED TO THE STRUCTURE IN AN ADAPTABLE BOX. CABLES FIXED IN INSULATED DIN RAIL TERMINALS. THE CIRCUITS SHALL BE IDENTIFIED ON THE ADAPTABLE BOX WITH A TRAFFOLITE LABEL. THE LOCATIONS SHALL BE ACCESSIBLE AND SHALL BE INDICATED ON 'AS INSTALLED' DRAWINGS WHERE MULTIPLE CIRCUITS ARE WITHIN THE ADAPTABLE BOX. PROVIDE SEPARATION BARRIERS AND A WARNING NOTICE ON THE ADAPTABLE BOX INDICATING MULTIPLE SUPPLIES WITHIN THIS ENCLOSURE - ISOLATE ALL SUPPLIES BEFORE WORKING ON THIS ENCLOSURE.
12. THE ELECTRICAL INSTALLATION SHALL BE IN FULL COMPLIANCE WITH AS/NZS3000.
13. THE EMERGENCY LIGHTING AND EXIT SIGNS INSTALLATION SHALL BE IN ACCORDANCE WITH NCC 2016 AND AS/NZS2293.1
14. THE COMMUNICATIONS (DISABLE CALL) SHALL BE INSTALLED IN FULL COMPLIANCE WITH AS/CA5009.



DETAIL A
NOT TO SCALE



FOR CONSTRUCTION

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
1	REVISED FOR CONSTRUCTION		ALC	SM	SP	19.11.17
0	FOR CONSTRUCTION		ALC	SM	SP	21.11.16

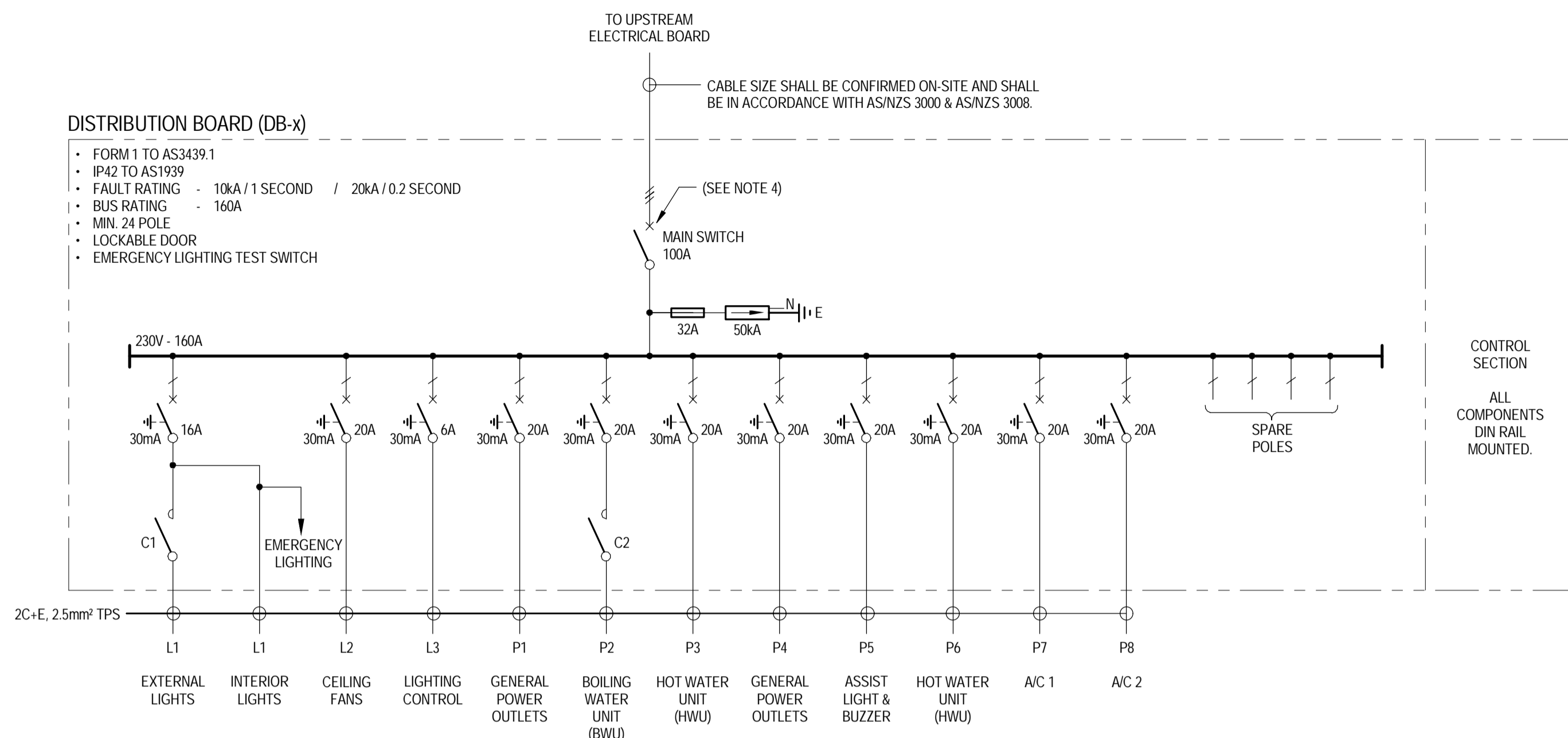


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Conditions of Use: This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.		A.COOMBER	A.COOMBER	DEPARTMENT OF EDUCATION
		Drafting Check: M.LEWIS*	Design Check: D.MOORE*	Project: DEMOUNTABLE REFURBISHMENT PROJECT
		Approved (Project Director): S.PAGE*	Date: 2016.11.21	Title: OS523 - 4 MODULE STAFF ROOM POWER, COMMS & LIGHTING LAYOUTS
		Scale: As indicated	This Drawing must not be used for Construction unless signed as Approved	Original Size: A1 Drawing No: OS523.3-4.STR -ELC Rev: 1

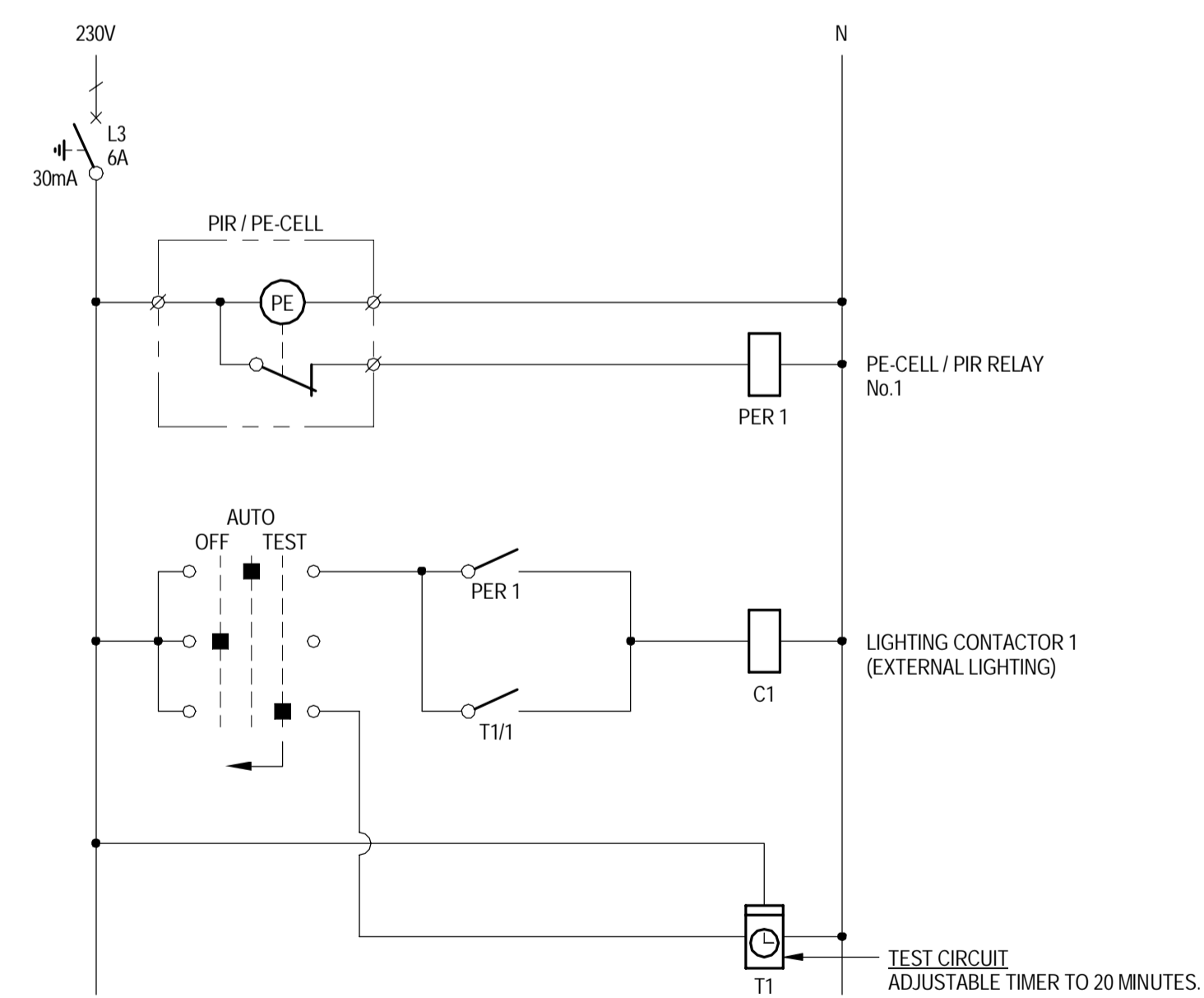
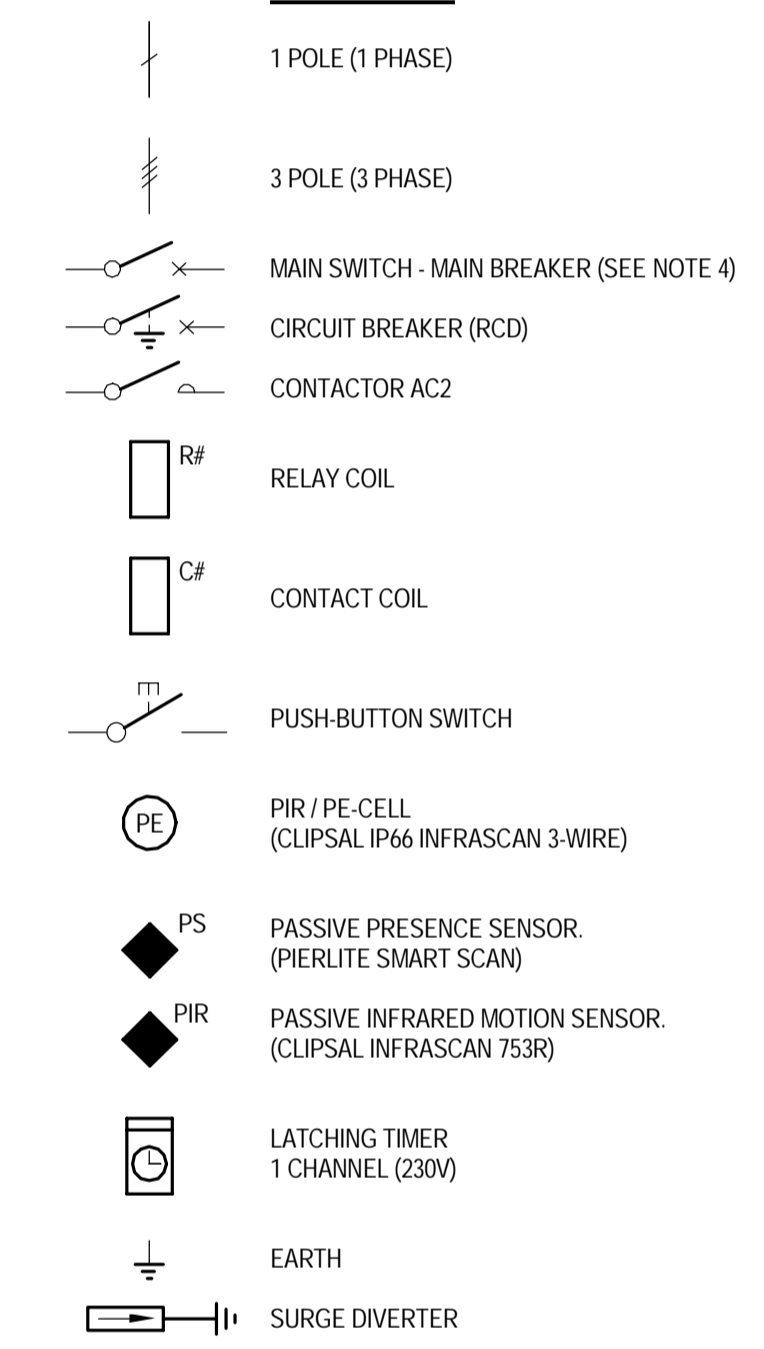


DISTRIBUTION BOARD - SINGLE LINE DIAGRAM
NOT TO SCALE

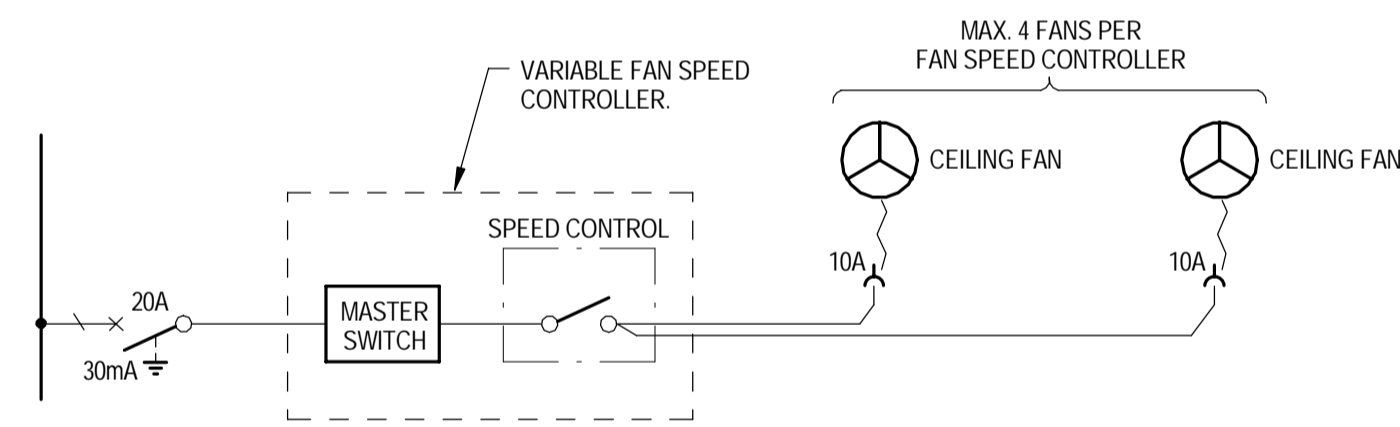
NOTES

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFIED DRAWING.
- ALL EQUIPMENT SHALL BE INSTALLED TO THEIR MANUFACTURERS LITERATURE AND THEIR RECOMMENDATIONS SHALL BE ADHERED TO.
- ALL EQUIPMENT IS NEW.
- PROVIDE A MAIN SWITCH IN ACCORDANCE WITH AS/NZS3000. WHERE THE FAULT LEVEL OF THE SITE IS UNKNOWN PROVIDE A CIRCUIT BREAKER IN PLACE OF AN ISOLATOR ENABLING CASCADING PROTECTION (FAULT CURRENT LIMITING) TO BE AFFORDED TO THE SWITCHBOARD (25KA MINIMUM) - OBTAIN MANUFACTURERS GUIDANCE / RECOMMENDATIONS. CONFIRM ON SITE FCL REQUIREMENTS BEFORE IMPLEMENTATION OF FINAL SCHEME.
- ALL BREAKERS SHALL BE THE SAME MANUFACTURE AND SHALL BE AS MANUFACTURED BY NIP OR EQUAL AND APPROVED. THE MCBS SHALL BE 10KA RATED.
- ENSURE DISCRIMINATION IS ACHIEVED WITH UPSTREAM AND DOWNSTREAM BREAKERS.
- CONFIRM THE EARTHING ARRANGEMENTS ON SITE. ENSURE THE EARTHING INSTALLATION IS IN FULL COMPLIANCE WITH AS/NZS3000.
- THE CONTRACTOR SHALL CHECK THE FINAL BREAKER ARRANGEMENT AND ENSURE CASCADING AND DISCRIMINATION IS ACHIEVED ADDITIONALLY THE ELECTRICAL INSTALLATION COMPLIES WITH AS/NZS3000.
- PROVIDE A PROPRIETARY EMERGENCY LIGHTING TEST SWITCH COMPLYING WITH AS2293 AT THE DISTRIBUTION SWITCHBOARD. THE PROPRIETARY TEST SWITCH SHALL BE AS MANUFACTURED BY THOMAS AND BETTS OR SIMILAR AND APPROVED.
- THE BOILING WATER UNIT IS INDICATIVE ONLY. THE FINAL PROVISIONS FOR BCA SECTION J6 COMPLIANCE SHALL BE ADVISED AND AGREED WITH THE BUILDING CERTIFIER.

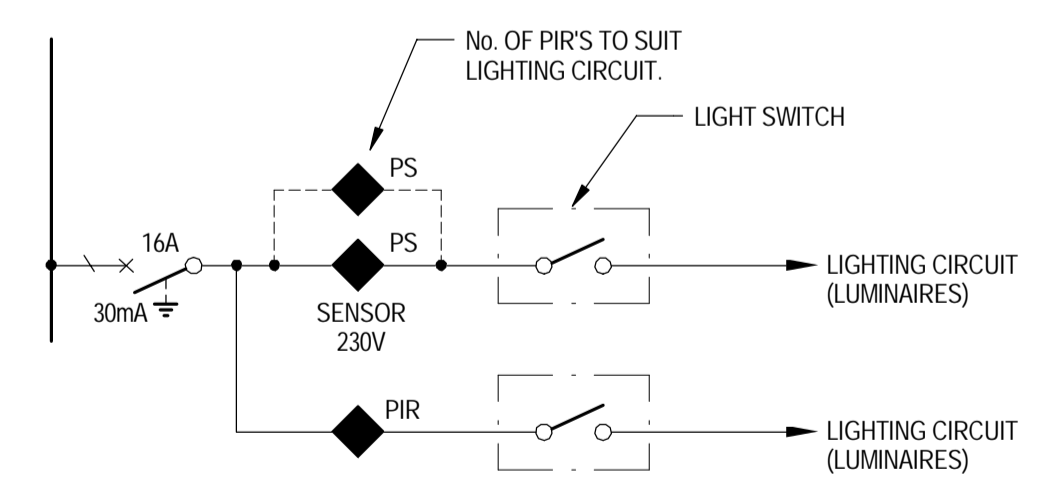
LEGEND:



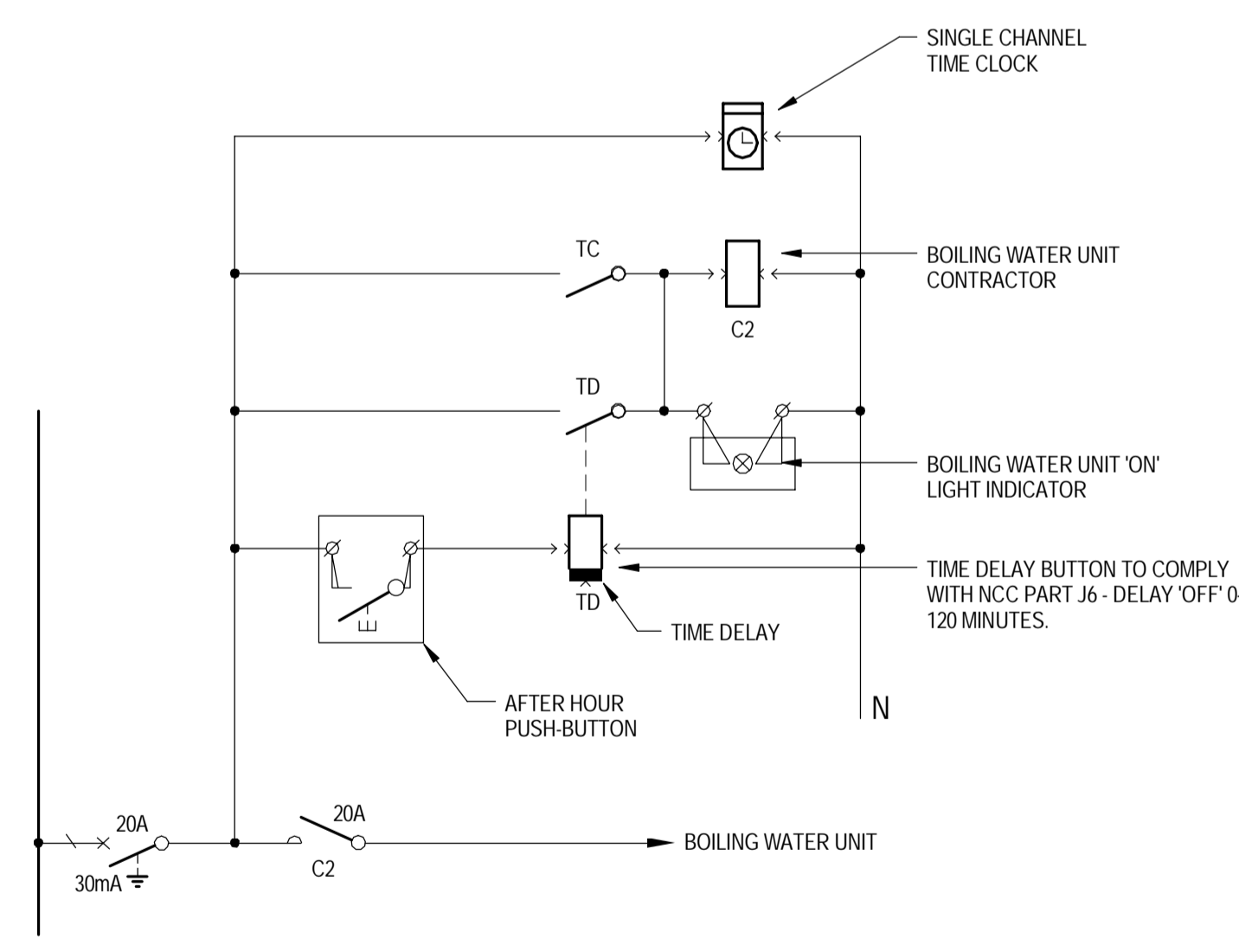
EXTERNAL LIGHTING - TYPICAL CONTROL DIAGRAM
NOT TO SCALE



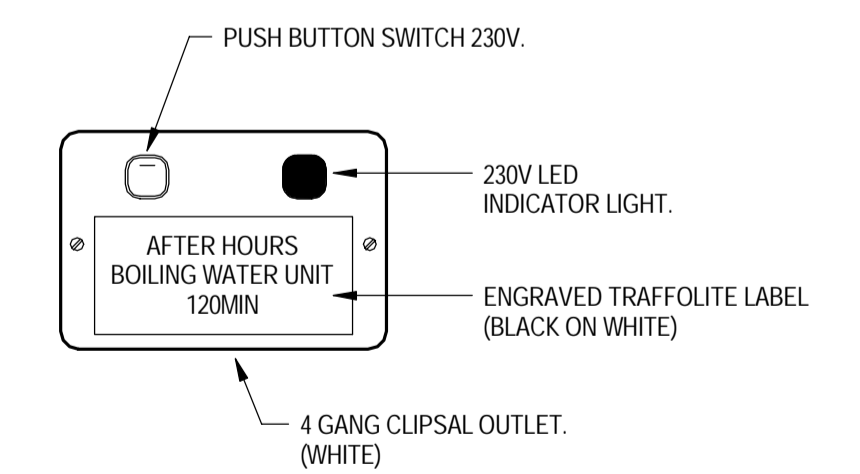
TYPICAL CEILING FAN CIRCUIT
NOT TO SCALE



TYPICAL ROOM CIRCUIT DETAIL
NOT TO SCALE



TYPICAL BOILING WATER / CHILLED WATER UNIT CONTROL SCHEMATIC DIAGRAM (NOTE 10)
NOT TO SCALE



TYPICAL AFTER HOURS PUSH BUTTON FACE-PLATE (NOTE 10)
NOT TO SCALE

FOR CONSTRUCTION

No	Revision	Note	Drawn	Job Manager	Project Director	Date
1	REVISED FOR CONSTRUCTION		ALC	SM	SP	19.11.17
0	FOR CONSTRUCTION		ALC	SM	SP	21.11.16



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Demountable Coordination Unit
Asset Management Directorate

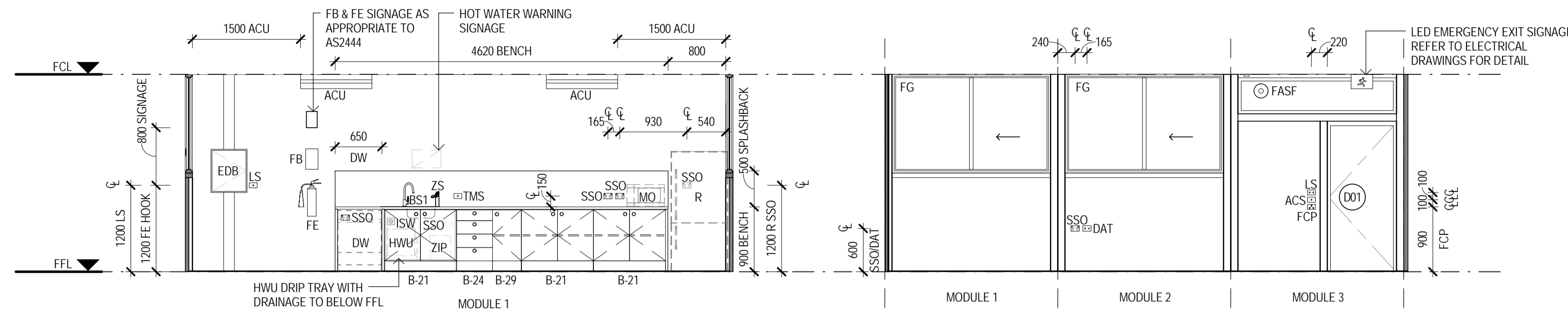


DO NOT SCALE		Drawn	Designer
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		Drafting Check	Design Check
		M.LEWIS*	D.MOORE*
		Approved (Project Director)	S.PAGE*
		Date	2016.11.21
		Scale	NOT TO SCALE

Client	Project	Title	Original Size	Drawing No:	Rev:
DEPARTMENT OF EDUCATION	DEMOUNTABLE REFURBISHMENT PROJECT	OS523 - 4 MODULE STAFF ROOM ELECTRICAL SINGLE LINE DIAGRAMS	A1	OS523.4-4.STR -ELC	1

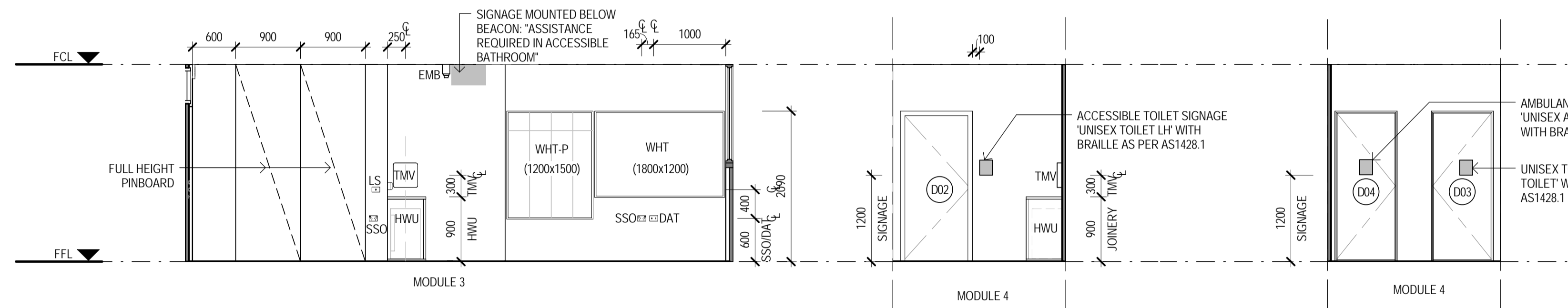
NOTES:

- CONTRACTOR TO SUPPLY & INSTALL ALL ITEMS AS SPECIFIED IN CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS SPECIFIED IN THIS DRAWING
- ALL STRUCTURAL METHODS, MATERIALS AND FINISHES ARE TO REMAIN AS PER CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS SPECIFIED IN THIS DRAWING
- GENERAL POWER OUTLETS & DATA OUTLETS ARE TO BE LOCATED NOT LESS THAN 600mm ABOVE THE FFL
- ALL LIGHT, FAN & AC SWITCHES ARE TO BE NOT LESS THAN 1000mm ABOVE THE FFL & LABELED ACCORDINGLY
- ALL SWITCHES, FIXTURES & FITTINGS ARE TO BE INSTALLED AS PER EDUCATIONAL FACILITIES STANDARDS & GUIDELINES. ALL SWITCHES ARE TO BE LABELED ACCORDING TO THEIR PURPOSE
- ALL ELECTRICAL APPLIANCES SHALL BE INSTALLED TO RELEVANT SECTIONS OF DAMP AREAS AS INZS 3000
- ALL DIMENSIONS CLEAR REFER TO THE FACE OF THE FINAL FINISHED SURFACE
- CEILING TYPE, EAVE SHEETING & ROOF STRUCTURE TO BE AS PER CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS AGREED UPON OTHERWISE BETWEEN THE CLIENT & THE CONTRACTOR
- WALL TYPE CONFIGURATIONS SHOWN ON THIS DRAWING ARE TO BE CONSTRUCTED AS PER THE DETAILS WITHIN THE CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT
- THE TMV IS PROVIDED TO PROVIDE TEMPERED WATER TO ALL BATHROOM BASINS



1 STAFF ROOM
OS523.1 SCALE 1:50

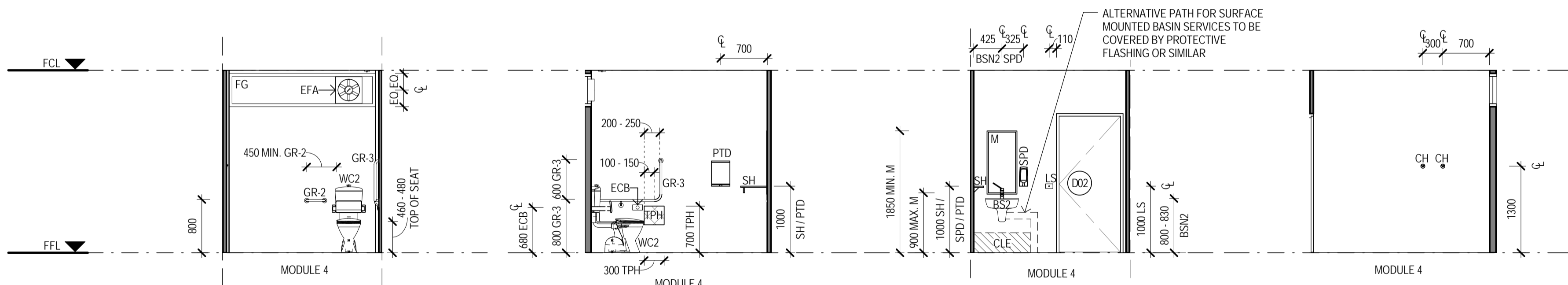
2 STAFF ROOM
OS523.1 SCALE 1:50



3 STAFF ROOM
OS523.1 SCALE 1:50

4 BATHROOM ENTRY
OS523.1 SCALE 1:50

5 BATHROOM ENTRY
OS523.1 SCALE 1:50

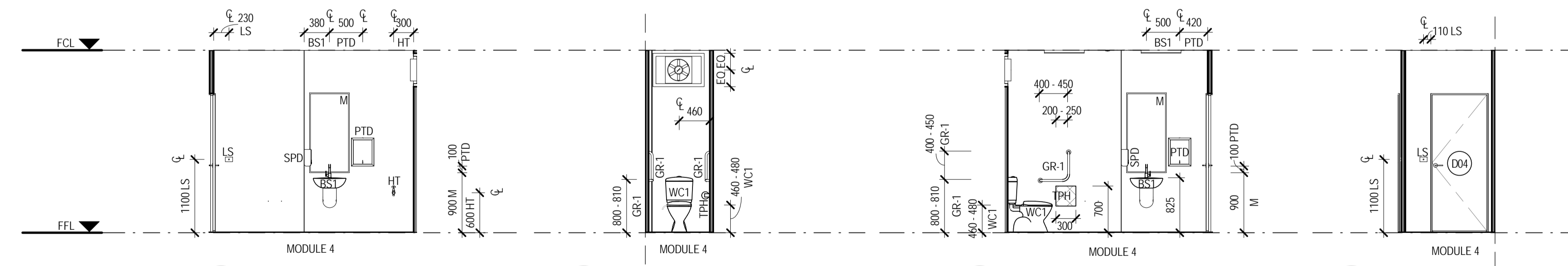


6 UNISEX ACCESSIBLE WC
OS523.1 SCALE 1:50

7 UNISEX ACCESSIBLE WC
OS523.1 SCALE 1:50

8 UNISEX ACCESSIBLE WC
OS523.1 SCALE 1:50

9 UNISEX ACCESSIBLE WC
OS523.1 SCALE 1:50



10 UNISEX WC
OS523.1 SCALE 1:50

11 UNISEX AMBULANT WC
OS523.1 SCALE 1:50

12 UNISEX AMBULANT WC
OS523.1 SCALE 1:50

13 UNISEX AMBULANT WC
OS523.1 SCALE 1:50

LEGEND	
CODE	DESCRIPTION
ACS	AIR CONDITIONING TIMER SWITCH - COUNTDOWN TIMER, ADJUSTABLE AT EDB, ALSO ACTIVATES VENTILATION FAN, SIGNAGE ABOVE SWITCH PLATE
ACU	AIR CONDITIONING HEAD UNIT
B-21	BENCH CUPBOARD - DOUBLE DOOR
B-24	BENCH CUPBOARD - DRAWER UNIT
B-29	BENCH CUPBOARD - SINGLE DOOR
BS1	BASIN & LEVER MIXER
BS2	ACCESSIBLE BASIN & LEVER MIXER TO AS1428.1 - PREFERRED BASIN SERVICES PATH THROUGH THE WALL INTO THE HWU SPACE, ALTERNATIVE PATH AS SHOWN ON THE ELEVATIONS
CH	CLOTHES HOOK - 1200mm ABOVE FFL
CLE	KNEE - TOE CLEARANCE ZONE AS PER AS1428.1, 300x850mm
DAT	DATA OUTLET - REFER ELECTRICAL DRAWINGS FOR DETAIL
DW	DISHWASHER - SPACE ALLOCATED & POWER OUTLET ONLY, UNIT PROVIDED BY SCHOOL
ECB	EMERGENCY CALL BUTTON
EDB	ELECTRICAL DISTRIBUTION BOARD - TO BE INSTALLED AS PER RELEVANT ELECTRICAL AUSTRALIAN STANDARDS
EFA	EXHAUST FAN - IP44 RATED OR SIMILAR
EMB	EMERGENCY BEACON - CEILING MOUNTED WITH SIGNAGE
FASF	VENTILATION INTAKE FAN - OPERATED VIA AIR CONDITIONING SWITCH
FB	FIRE BLANKET LOCATION, SIGNAGE ABOVE UNIT
FCP	FAN CONTROL PANEL, REFER ELECTRICAL DRAWINGS FOR DETAIL
FE	FIRE EXTINGUISHER LOCATION, SIGNAGE ABOVE UNIT
FG	FIXED GLAZING - 6.3mm LAMINATE
GR-1	AMBULANT GRAB RAIL AS PER AS1428.1
GR-2	300mm GRAB RAIL AS PER AS1428.1
GR-3	RIGHT HAND ACCESSIBLE GRAB RAIL AS PER AS1428.1
HT	HOSE TAP - CLEANERS USE, 600mm ABOVE FFL
HWU	HOT WATER UNIT - WITH DRIP TRAY WITH DRAINAGE TO BELOW FFL, LOCKABLE & VENTED ENCLOSURE
ISW	HWS ISOLATING SWITCH, SIGNAGE ABOVE SWITCH PLATE
LS	LIGHT SWITCH - REFER TO ELECTRICAL DRAWINGS FOR DETAIL
M	MIRROR - 600mm x 1200mm, 900mm ABOVE FFL
MO	MICROWAVE OVEN - PROVIDED BY SCHOOL
PTD	PAPER TOWEL DISPENSER - 1000mm ABOVE FFL
R	REFRIGERATOR - SPACE ALLOCATED & POWER OUTLET ONLY, UNIT PROVIDED BY SCHOOL
SH	BATHROOM SHELVING - AS PER AS1428.1
SH4T	FIXED SHELVING - 450mm DEEP
SPD	SOAP DISPENSER - 1000mm ABOVE FFL
SSO	SWITCHED SOCKET OUTLET - REFER ELECTRICAL DRAWINGS FOR DETAIL
TMS	HOT WATER TIMER SWITCH - ACTIVATES THE ZIP HOT WATER UNIT OUTSIDE TYPICAL SCHOOL HOURS, SIGNAGE ABOVE SWITCH PLATE
TMV	THERMOSTATIC MIXING VALVE - AQUA BLEND 1500 & WALL MOUNTED LOCKABLE STAINLESS STEEL CONTROL BOX
TPH	TOILET PAPER HOLDER ZONE TO AS1428.1
WC1	TOILET PAN & CISTERN AS PER THE CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT
WC2	ACCESSIBLE TOILET SUITE WITH BACK REST, RAISED BUTTONS & CISTERN TO AS1428.1
WHT	WHITEBOARD - WALL MOUNTED, 1200x1800
WHT-P	WHITEBOARD - TERM PLANNER, WALL MOUNTED, 1200x1500 BO-27
ZIP	ZIP BOIL - BOILER / CHILLER / FILTER UNIT
ZS	ZIP BOIL - MIXING SPOUT HARDWARE

DOOR SCHEDULE								
DOOR NO.	LOCATION	FRAME TYPE	FRAME FINISH	LEAF SIZE	LEAF FINISH	LOCKSET FUNCTION	VENTING	COMMENTS
01	STAFF ROOM	STEEL FRAME	PAINT FINISH	40 x 920 x 2040	PAINT FINISH	KEY LOCKABLE	NONE	STAFF ROOM SIGNAGE EXTERNAL, DOOR SEALS AS PER THE CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT
02	UNISEX ACCESSIBLE WC	TIMBER FRAME	PAINT FINISH	35 x 920 x 2040	PAINT FINISH	SNIB LOCKABLE	20mm UNDERCUT	SIGNAGE & SYMBOLS, IN-USE INDICATOR, SNIB & LATCH AS PER AS1428.1, 850mm CLEAR
03	UNISEX WC	TIMBER FRAME	PAINT FINISH	35 x 820 x 2040	PAINT FINISH	SNIB LOCKABLE	20mm UNDERCUT	SIGNAGE & SYMBOLS, IN-USE INDICATOR, SNIB & LATCH AS PER AS1428.1
04	UNISEX AMBULANT WC	TIMBER FRAME	PAINT FINISH	35 x 820 x 2040	PAINT FINISH	SNIB LOCKABLE	20mm UNDERCUT	SIGNAGE & SYMBOLS, IN-USE INDICATOR, SNIB & LATCH AS PER AS1428.1, 750mm CLEAR



FOR CONSTRUCTION

No	Revision	Note	Drawn	Job Manager	Project Director	Date
1	REVISED FOR CONSTRUCTION		KK	SM	JL	17.11.17
0	FOR CONSTRUCTION		KK	SM	JL	22.12.16



NSW Department of Education
Demountable Coordination Unit
Asset Management Directorate

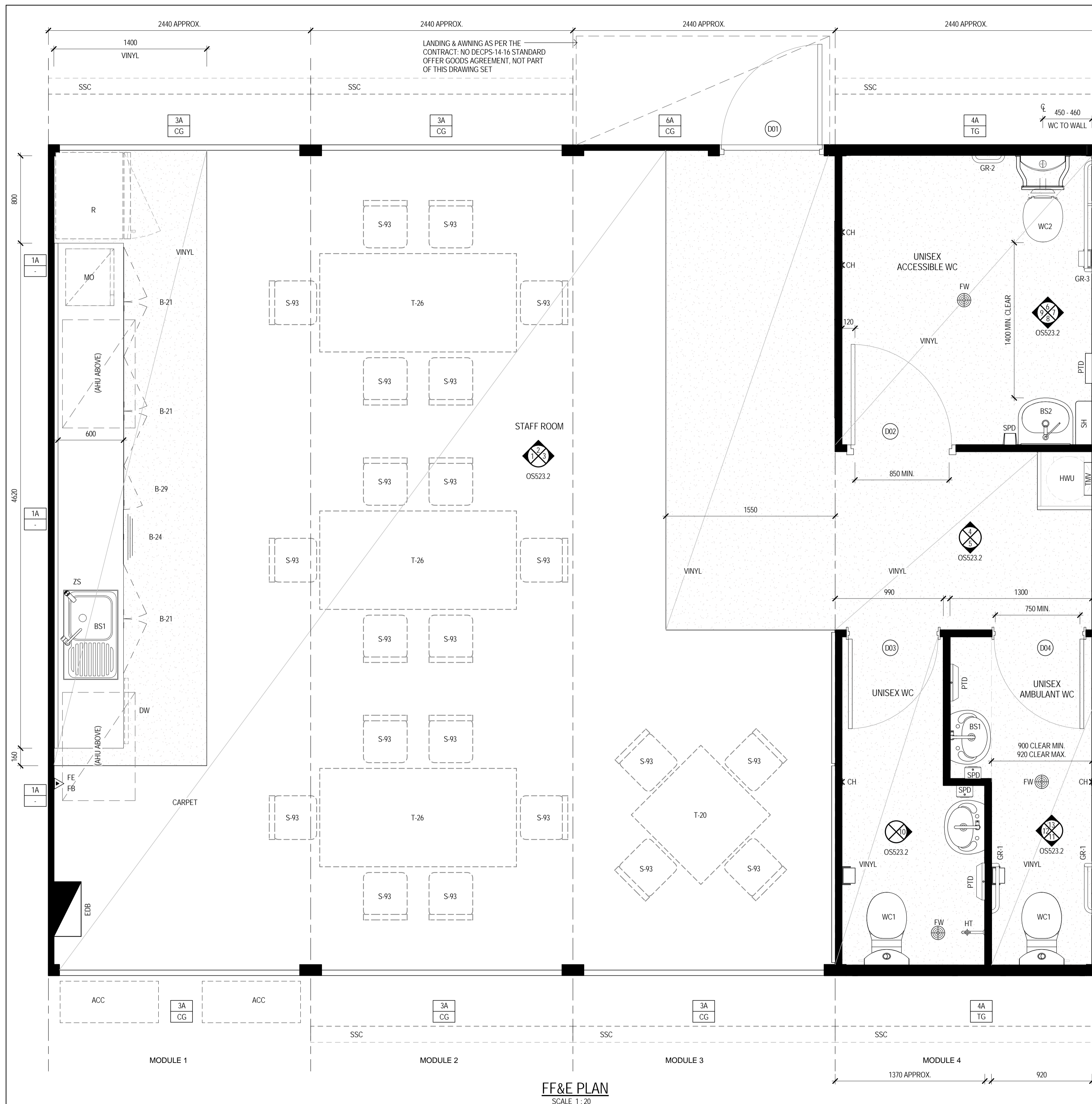


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Drawn	K. KNAUS	Designer	K. KNAUS
Drafting Check	M. LEWIS*	Design Check	C. ACEVSKI*
Approved (Project Director)	J. LEVER*	Date	22.12.16
Scale	1:50	This Drawing must not be used for Construction unless signed as Approved	

Client	DEPARTMENT OF EDUCATION
Project	DEMOUNTABLE REFURBISHMENT PROJECT
Title	OS523 - 4 MODULE STAFF ROOM INTERNAL ELEVATIONS
Original Size	A1
Drawing No:	OS523.2-4.STR -ARC
Rev:	1



FF&E PLAN
SCALE 1:20

NOTES:

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WALL TYPES:

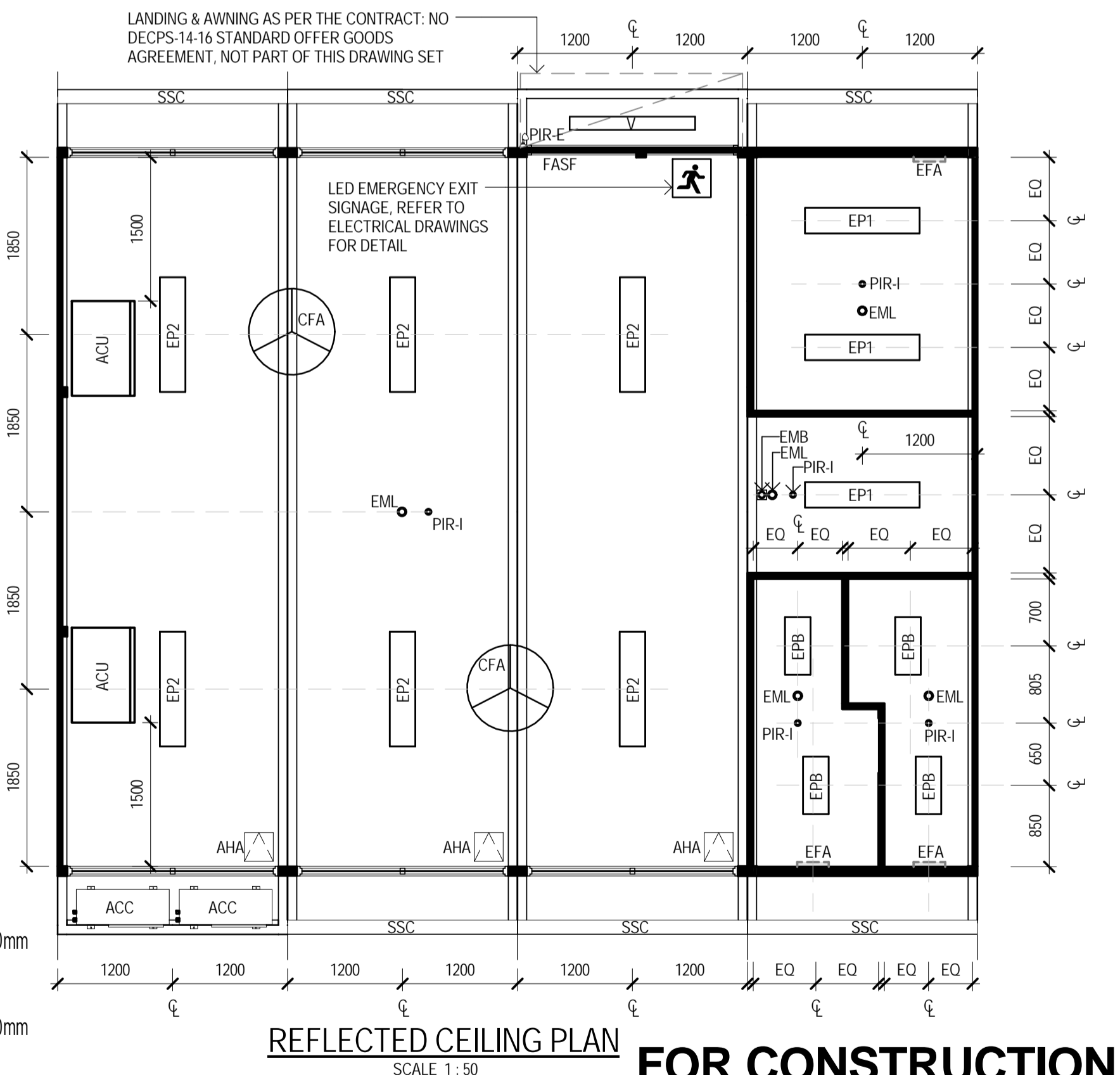
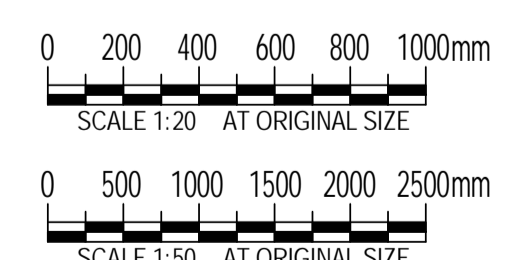
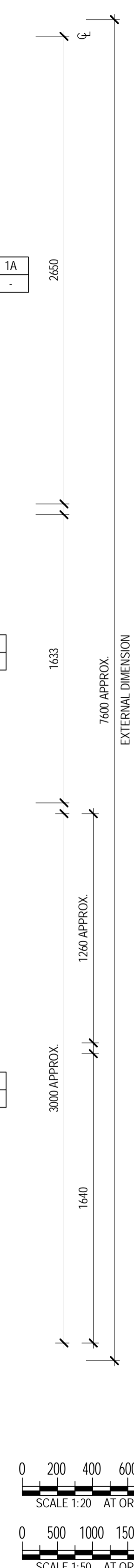
- XX ← WALL TYPE OPTION
- XX ← GLAZING OPTION

WALL TYPE DETAILS TO BE AS PER CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT

GLAZING LEGEND:

- CG - CLEAR GLAZING
- TG - FROSTED OR TRANSLUCENT GLAZING
- NO GLAZING

LEGEND	
CODE	DESCRIPTION
ACC	AIR CONDITIONING CONDENSER
ACU	AIR CONDITIONING HEAD UNIT
AHA	ELECTRICAL CONNECTIONS ACCESS HATCH
B-21	BENCH CUPBOARD - DOUBLE DOOR
B-24	BENCH CUPBOARD - DRAWER UNIT
B-29	BENCH CUPBOARD - SINGLE DOOR
BS1	BASIN & LEVER MIXER
BS2	ACCESSIBLE BASIN & LEVER MIXER TO AS1428.1 - PREFERRED BASIN SERVICES PATH THROUGH THE WALL INTO THE HWU SPACE, ALTERNATIVE PATH AS SHOWN ON THE ELEVATIONS
CFA	CEILING FAN - REFER ELECTRICAL DRAWINGS FOR DETAIL
CH	CLOTHES HOOK - 1200mm ABOVE FFL
CPO	CEILING MOUNTED SOCKET OUTLET - SINGLE 240V 10AMP
DW	DISHWASHER - SPACE ALLOCATED & POWER OUTLET ONLY, UNIT PROVIDED BY SCHOOL
EDB	ELECTRICAL DISTRIBUTION BOARD - TO BE INSTALLED AS PER RELEVANT ELECTRICAL AUSTRALIAN STANDARDS
EFA	EXHAUST FAN - IP44 RATED OR SIMILAR
EMB	EMERGENCY BEACON - CEILING MOUNTED WITH SIGNAGE
EML	EMERGENCY LIGHTING - REFER ELECTRICAL DRAWINGS FOR DETAIL
EP1	LIGHT FITTING - INTERNAL, REFER ELECTRICAL DRAWINGS FOR DETAIL
EP2	LIGHT FITTING - INTERNAL, REFER ELECTRICAL DRAWINGS FOR DETAIL
EPB	LIGHT FITTING - INTERNAL, REFER ELECTRICAL DRAWINGS FOR DETAIL
FASF	VENTILATION INTAKE FAN - OPERATED VIA AIR CONDITIONING SWITCH
FB	FIRE BLANKET LOCATION, SIGNAGE ABOVE UNIT
FE	FIRE EXTINGUISHER LOCATION, SIGNAGE ABOVE UNIT
FW	FLOOR WASTE
GR-1	AMBULANT GRAB RAIL AS PER AS1428.1
GR-2	300mm GRAB RAIL AS PER AS1428.1
GR-3	RIGHT HAND ACCESSIBLE GRAB RAIL AS PER AS1428.1
HT	HOSE TAP - CLEANERS USE, 600mm ABOVE FFL
HWU	HOT WATER UNIT - WITH DRIP TRAY WITH DRAINAGE TO BELOW FFL, LOCKABLE & VENTED ENCLOSURE
MO	MICROWAVE OVEN - PROVIDED BY SCHOOL
PIR-E	PASSIVE INFRARED MOVEMENT DETECTOR - EXTERNAL 90° ADJUSTABLE, STEEL FRAME MOUNTED
PIR-I	PASSIVE INFRARED MOVEMENT DETECTOR - INTERNAL 360° FIXED, CEILING MOUNTED
PTD	PAPER TOWEL DISPENSER - 1000mm ABOVE FFL
R	REFRIGERATOR - SPACE ALLOCATED & POWER OUTLET ONLY, UNIT PROVIDED BY SCHOOL
S-93	CHAIR - UNIT PROVIDED BY SCHOOL
SH	BATHROOM SHELVING - AS PER AS1428.1
SPD	SOAP DISPENSER - 1000mm ABOVE FFL
SSC	SUN SCREEN - FITTED EXTERNALLY TO UNDERSIDE OF EAVE
T-20	TABLE - 900x900, SPACE ALLOCATED ONLY, UNIT PROVIDED BY SCHOOL
T-26	TABLE - 1800x900, SPACE ALLOCATED ONLY, UNIT PROVIDED BY SCHOOL
TMV	THERMOSTATIC MIXING VALVE - AQUABLEND 1500 & WALL MOUNTED LOCKABLE STAINLESS STEEL CONTROL BOX
V	LIGHT FITTINGS EXTERNAL, REFER ELECTRICAL DRAWINGS FOR DETAIL
WC1	TOILET PAN & CISTERN AS PER THE CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT
WC2	ACCESSIBLE TOILET SUITE WITH BACK REST, RAISED BUTTONS & CISTERN TO AS1428.1
ZS	ZIP BOIL - MIXING SPOUT HARDWARE



REFLECTED CEILING PLAN
SCALE 1:50

FOR CONSTRUCTION

No	Revision	Note	Drawn	Job Manager	Project Director	Date
2	REVISED FOR CONSTRUCTION		KK	SM	JL	17.11.17
1	UPDATED MODULE DIMENSIONS		KK	SM	JL	17.07.17
0	FOR CONSTRUCTION		KK	SM	JL	22.12.16



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Asset Management Directorate
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Newcastle West 2302
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Drawn	K. KNAUS	K. KNAUS	DEPARTMENT OF EDUCATION
Drafting Check	M. LEWIS*	C. ACEVSKI*	DEMOUNTABLE REFRUBISHMENT PROJECT
Approved (Project Director)	J. LEVER*		OS523 - 4 MODULE STAFF ROOM
Date	22.12.16		FF&E AND REFLECTED CEILING PLANS
Scale	As indicated	This Drawing must not be used for Construction unless signed as Approved	Drawing No: OS523.1-4.STR -ARC

Project	Title	Original Size	Rev:
DEPARTMENT OF EDUCATION	DEMOUNTABLE REFRUBISHMENT PROJECT	A1	2
OS523 - 4 MODULE STAFF ROOM	FF&E AND REFLECTED CEILING PLANS		

NOTES:

- CONTRACTOR TO SUPPLY & INSTALL ALL ITEMS AS SPECIFIED IN CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS SPECIFIED IN THIS DRAWING
- ALL STRUCTURAL METHODS, MATERIALS AND FINISHES ARE TO REMAIN AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS SPECIFIED IN THIS DRAWING
- GENERAL POWER OUTLETS & DATA OUTLETS ARE TO BE LOCATED NOT LESS THAN 600mm ABOVE THE FFL
- ALL LIGHT SWITCHES ARE TO BE NOT LESS THAN 1000mm ABOVE THE FFL
- ALL SWITCHES, FIXTURES & FITTINGS ARE TO BE INSTALLED AS PER EDUCATIONAL FACILITIES STANDARDS & GUIDELINES
- ALL ELECTRICAL APPLIANCES SHALL BE INSTALLED TO RELEVANT SECTIONS OF AS/NZS 3000
- ALL DIMENSIONS CLEAR REFER TO THE FACE OF THE FINAL FINISHED SURFACE
- VENTILATION FANS ARE BE ACTIVATED WITH THE AIR CONDITIONING OVERRIDE SWITCH
- CEILING TYPE, EAVE SHEETING & ROOF STRUCTURE TO BE AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS AGREED UPON OTHERWISE BETWEEN THE CLIENT & THE CONTRACTOR
- LANDINGS ARE DRAWN FOR INDICATIVE PURPOSES ONLY. INTERNAL CLEARANCE OF 1200mm MUST APPLY TO ACCESS THE LIBRARY LANDING HANDRAILS, BALUSTRADE & STAIRS ARE TO BE MANUFACTURED AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT
- WALL TYPE CONFIGURATIONS SHOWN ON THIS DRAWING ARE AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, EXCEPT 6B VARIATION TO REPLACE THE SQUARE FIXED GLAZING WITH A SOLID WALL PANEL, 6A TYPE DOOR, STEEL & HIGHLIGHT WINDOW DETAILS TO REMAIN AS TYPICAL
- SIGNAGE SUCH AS 'STORE ROOM' & 'GROUP STUDY 1' ARE INDICATIVE FOR GENERAL LOCATION ONLY

LEGEND	
CODE	DESCRIPTION
ACC	AIR CONDITIONING CONDENSER
DO1	EXTERNAL 920mm LEAF, 40mm SOLID CORE DOOR - KEY LOCKABLE TO MATCH DO2, DOOR SEALS AS PER THE CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT
DO2	EXTERNAL 920mm LEAF, 40mm SOLID CORE DOOR - KEY LOCKABLE TO MATCH DO1, DOOR SEALS AS PER THE CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT
FASF	VENTILATION FAN - OPERATED VIA AIR CONDITIONING SWITCH
PIR-E	PASSIVE INFRARED MOVEMENT DETECTOR - EXTERNAL 90° ADJUSTABLE, STEEL FRAME MOUNTED
SSC	SUN SCREEN - FITTED EXTERNALLY TO UNDERSIDE OF EAVE

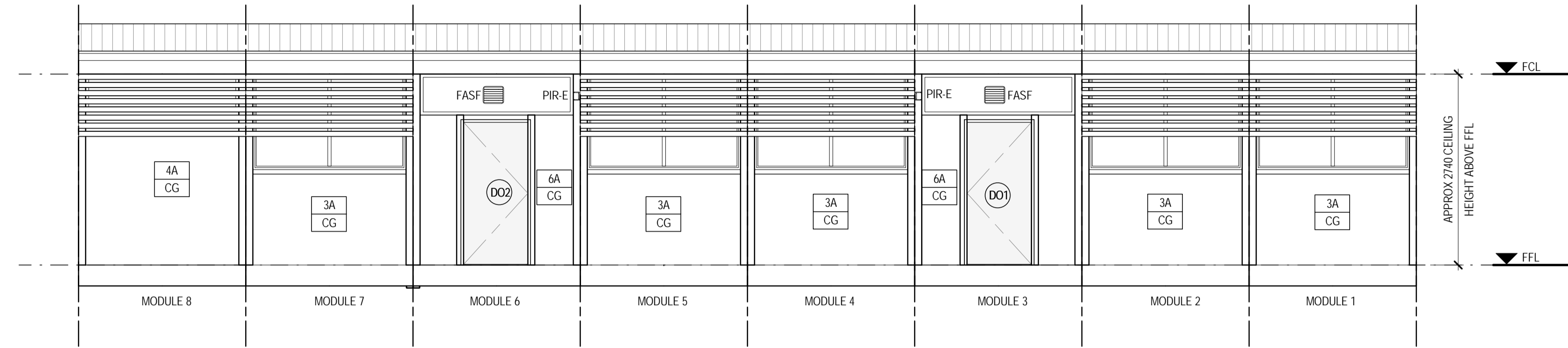
WALL TYPES:

- XX ← WALL TYPE OPTION
- XX ← GLAZING OPTION

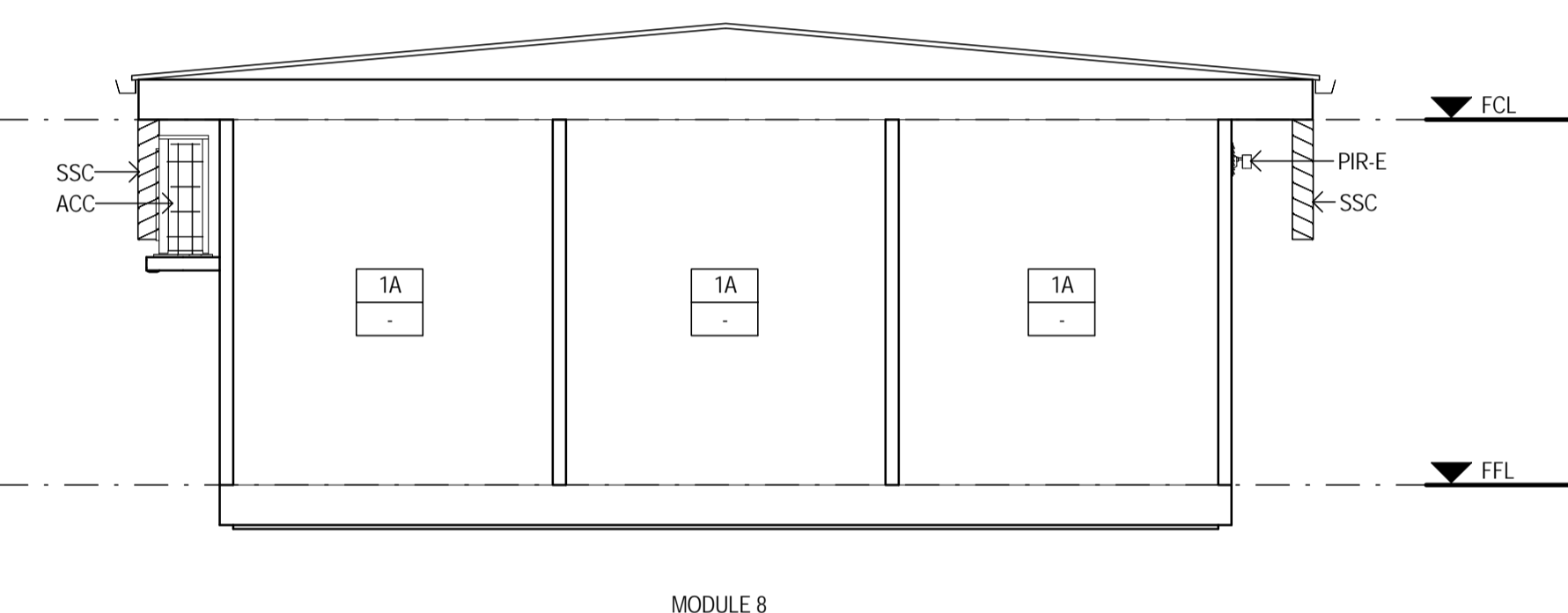
WALL TYPE DETAILS TO BE AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT

GLAZING LEGEND:

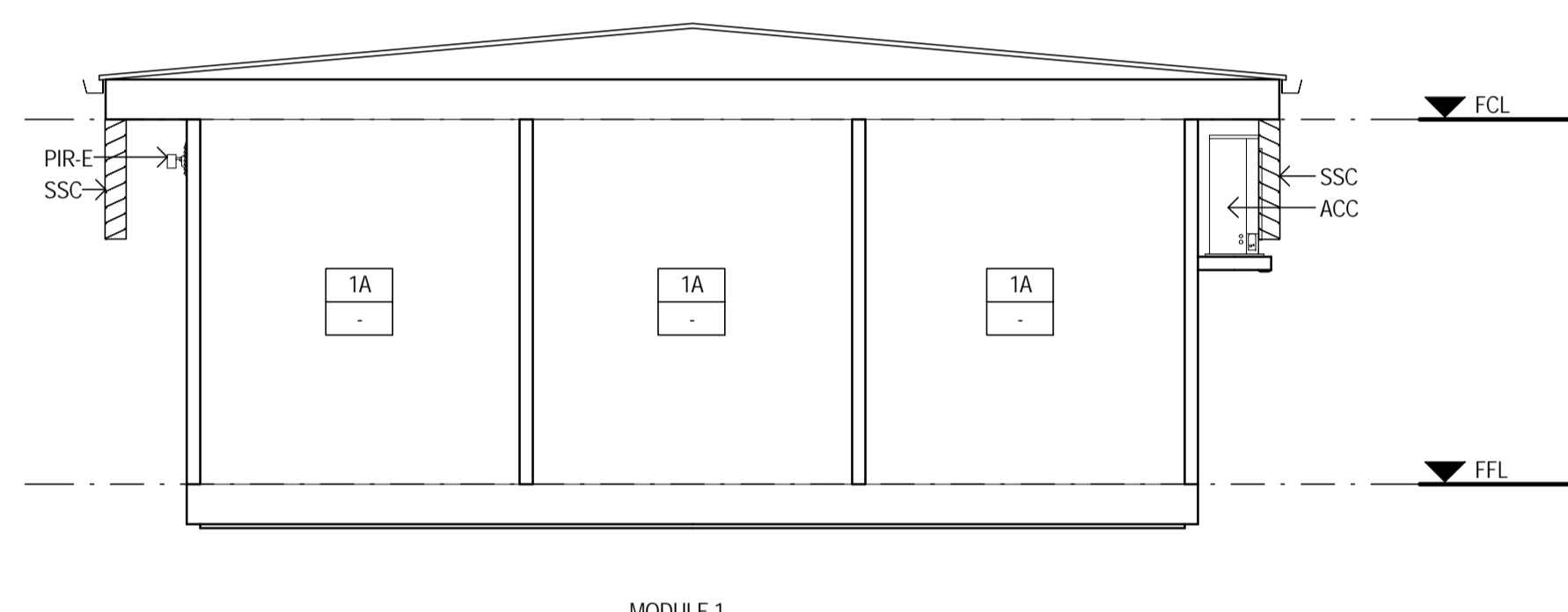
- CG - CLEAR GLAZING
- GO - GLAZING OVERHEAD
- LV - LOUVRE
- - NO GLAZING



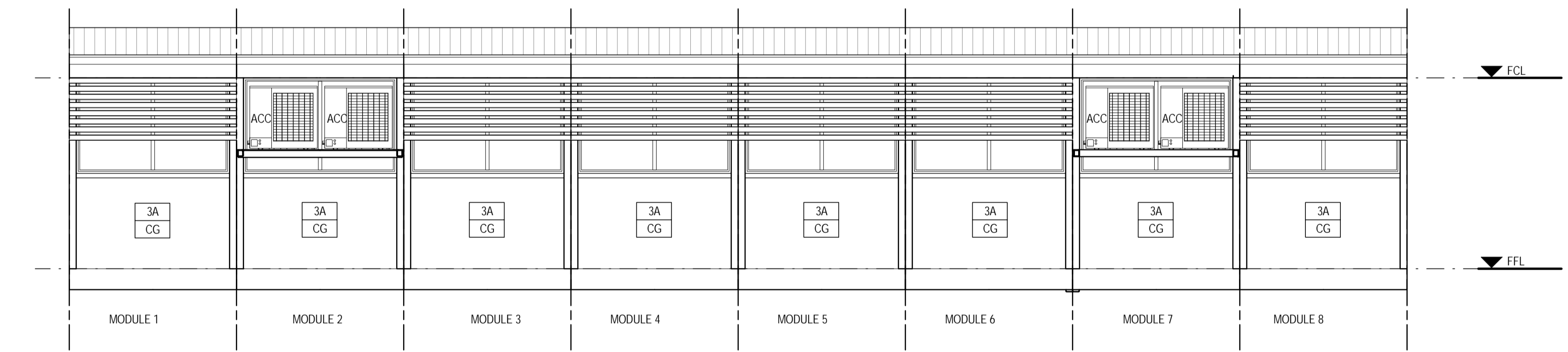
A EXTERNAL ELEVATION
OS534.1 SCALE 1:50



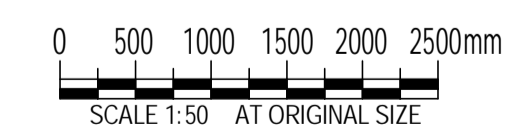
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OS534.1 SCALE 1:50



D EXTERNAL ELEVATION
OS534.1 SCALE 1:50



C EXTERNAL ELEVATION
OS534.1 SCALE 1:50



FOR CONSTRUCTION

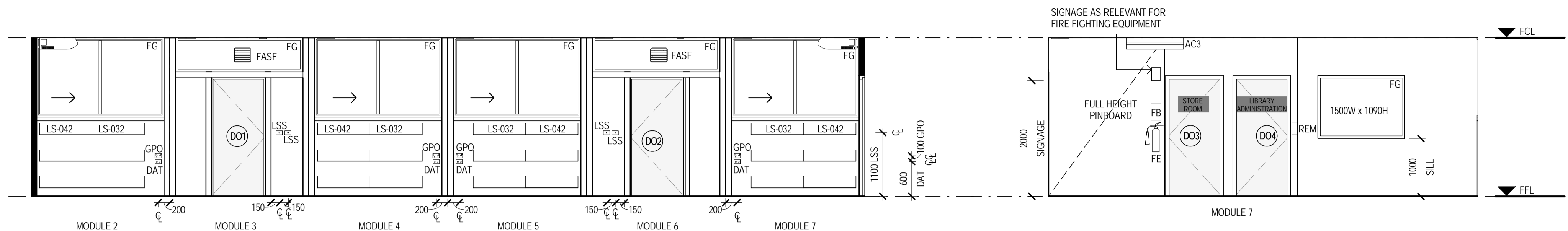
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
0	FOR CONSTRUCTION		EH	SM	SP	11.04.16



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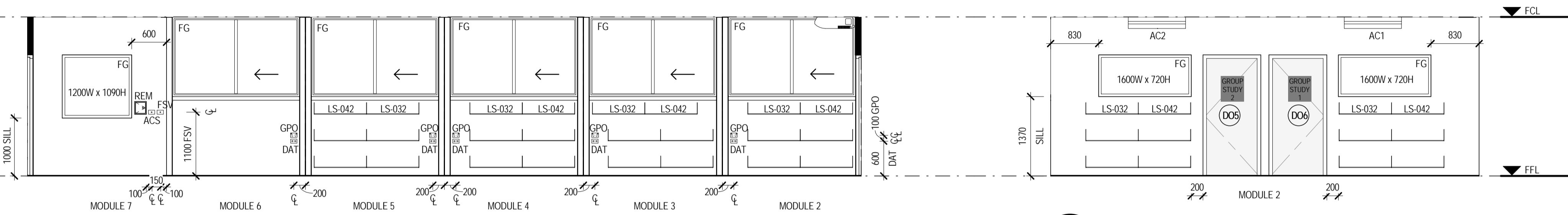


DO NOT SCALE	Drawn E. HEATON	Designer K. KNAUS	Client DEPARTMENT OF EDUCATION
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	Approved (Project Director) SIMON PAGE*	Date 11.04.16	Title OS534 - 8 MODULE LIBRARY LAYOUT EXTERNAL ELEVATIONS
	Scale 1 : 50	This Drawing must not be used for Construction unless signed as Approved	Original Size A1 Drawing No: OS534.2-8.LIB-ARC Rev: 0



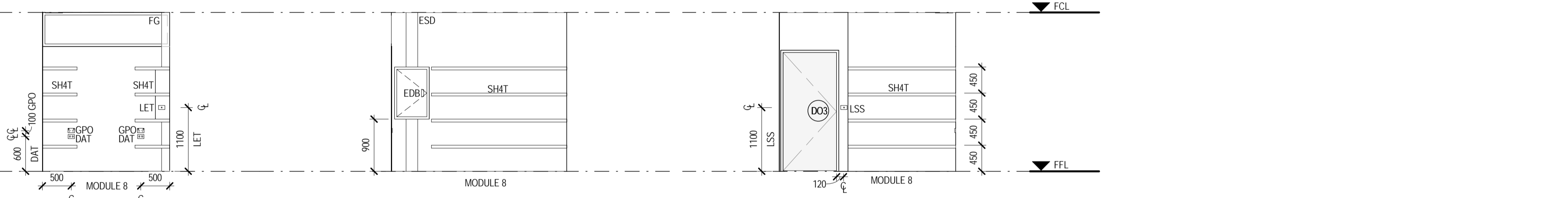
E LIBRARY INTERNAL ELEVATION
OS534.1 SCALE 1:50

F LIBRARY INTERNAL ELEVATION
OS534.1 SCALE 1:50



G LIBRARY INTERNAL ELEVATION
OS534.1 SCALE 1:50

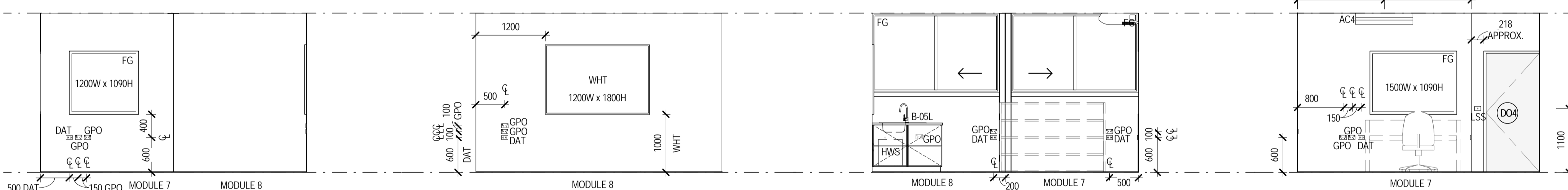
H LIBRARY INTERNAL ELEVATION
OS534.1 SCALE 1:50



J STORE INTERNAL ELEVATION
OS534.1 SCALE 1:50

K STORE INTERNAL ELEVATION
OS534.1 SCALE 1:50

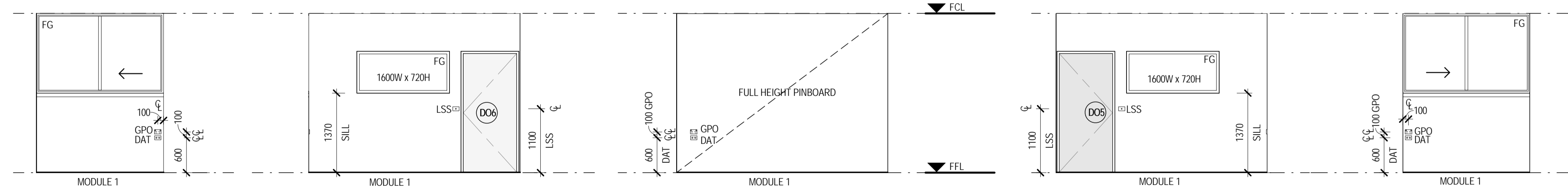
L STORE INTERNAL ELEVATION
OS534.1 SCALE 1:50



M ADMINISTRATION INTERNAL ELEVATION
OS534.1 SCALE 1:50

N ADMINISTRATION INTERNAL ELEVATION
OS534.1 SCALE 1:50

P ADMINISTRATION INTERNAL ELEVATION
OS534.1 SCALE 1:50



S GROUP STUDY 1 INTERNAL ELEVATION
OS534.1 SCALE 1:50

T GROUP STUDY 1 INTERNAL ELEVATION
OS534.1 SCALE 1:50

U GROUP STUDY 1 INTERNAL ELEVATION
OS534.1 SCALE 1:50

V GROUP STUDY 2 INTERNAL ELEVATION
OS534.1 SCALE 1:50

W GROUP STUDY 2 INTERNAL ELEVATION
OS534.1 SCALE 1:50

X GROUP STUDY 2 INTERNAL ELEVATION
OS534.1 SCALE 1:50

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- ALL SWITCHES, FIXTURES & FITTINGS ARE TO BE INSTALLED AS PER EDUCATIONAL FACILITIES STANDARDS & GUIDELINES
- ALL ELECTRICAL APPLIANCES SHALL BE INSTALLED TO RELEVANT SECTIONS OF AS/NZS 3000
- ALL DIMENSIONS CLEAR REFER TO THE FACE OF THE FINAL FINISHED SURFACE
- VENTILATION FANS ARE TO BE ACTIVATED WITH THE AIR CONDITIONING OVERRIDE SWITCH
- CEILING TYPE, EAVE SHEETING & ROOF STRUCTURE TO BE AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS AGREED UPON OTHERWISE BETWEEN THE CLIENT & THE CONTRACTOR
- LANDINGS ARE DRAWN FOR INDICATIVE PURPOSES ONLY. INTERNAL CLEARANCE OF 1200mm MUST APPLY TO ACCESS THE LIBRARY. LANDING HANDRAILS, BALUSTRADE & STAIRS ARE TO BE MANUFACTURED AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT
- WALL TYPE CONFIGURATIONS SHOWN ON THIS DRAWING ARE AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, EXCEPT 6A VARIATION TO REPLACE THE SQUARE FIXED GLAZING WITH A SOLID WALL PANEL, 6A TYPE DOOR, STEEL & HIGHLIGHT WINDOW DETAILS TO REMAIN AS TYPICAL
- SIGNAGE SUCH AS 'STORE ROOM' & 'GROUP STUDY 1' ARE INDICATIVE FOR GENERAL LOCATION ONLY

LEGEND	
CODE	DESCRIPTION
AC1	AIR CONDITIONING UNIT 1
AC2	AIR CONDITIONING UNIT 2
AC3	AIR CONDITIONING UNIT 3
AC4	AIR CONDITIONING UNIT 4
ACS	AIR CONDITIONING TIMER SWITCH - COUNTDOWN TIMER, ADJUSTABLE AT EDB, ALSO ACTIVATES VENTILATION FAN
AHA	ELECTRICAL CONNECTIONS ACCESS HATCH
B-05L	BENCH CUPBOARD WITH SK-41 LEFT HAND SINK, PROVIDED BY THE DEPARTMENT OF EDUCATION
CPO	CEILING POWER OUTLET - SINGLE 240V 10AMP
D-09	PINBOARD - WALL MOUNTED, 1800w x 900h
DAT	DATA OUTLET - DOUBLE
DO1	EXTERNAL 920mm LEAF, 40mm SOLID CORE DOOR - KEY LOCKABLE TO MATCH DO2, DOOR SEALS AS PER THE CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT
DO2	EXTERNAL 920mm LEAF, 40mm SOLID CORE DOOR - KEY LOCKABLE TO MATCH DO1, DOOR SEALS AS PER THE CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT
DO3	INTERNAL 920mm LEAF, 35mm SOLID CORE DOOR - KEY LOCKABLE, 20mm UNDERCUT FOR VENTILATION
DO4	INTERNAL 920mm LEAF, 35mm SOLID CORE DOOR - KEY LOCKABLE, 20mm UNDERCUT FOR VENTILATION
DO5	INTERNAL 920mm LEAF, 35mm SOLID CORE DOOR - NOT LOCKABLE, 20mm UNDERCUT FOR VENTILATION
DO6	INTERNAL 920mm LEAF, 35mm SOLID CORE DOOR - NOT LOCKABLE, 20mm UNDERCUT FOR VENTILATION
EDB	ELECTRICAL DISTRIBUTION BOARD - TO BE INSTALLED AS PER RELEVANT ELECTRICAL AUSTRALIAN STANDARDS
ESD	ELECTRICAL SERVICES DUCTING
FASF	VENTILATION FAN - OPERATED VIA AIR CONDITIONING SWITCH
FB	FIRE BLANKET - 1820 x 1220mm, AS PER AS3504, MOUNTED 1500mm TO CENTRE OF HOOK OR HANDLE
FE	FIRE EXTINGUISHER - TYPE E, 3.5KG, AS PER AS2444, MOUNTED 1200mm TO CENTRE OF HOOK OR HANDLE
FG	FIXED GLAZING - 6.3mm CLEAR LAMINATE
FSV	FAN SWITCH WITH VARIABLE SPEED DIAL
GPO	GENERAL POWER OUTLET - DOUBLE 240V 10AMP
HWS	HOT WATER SERVICE - 25L, INSTALLED INSIDE JOINERY CUPBOARD, UNDER THE BASIN
LET	LIGHT SWITCH - AUTOMATIC, MANUAL OFF, EXTERNAL LIGHTING & PIR SENSOR
LS-032	SHELVING - WALL FIXED, STARTING BAY, PROVIDED BY THE DEPARTMENT OF EDUCATION
LS-042	SHELVING - WALL FIXED, ADD ON BAY, PROVIDED BY THE DEPARTMENT OF EDUCATION
LSS	LIGHT SWITCH - SINGLE SWITCH, ACTIVATE CEILING LIGHTING IN THE SAME MODULE AS THE SWITCH
REM	AIR CONDITIONER REMOTE BOX - LOCKABLE, APPROX 1600mm ABOVE FFL
SH4T	FIXED SHELVING - 600mm DEEP
WHT	WHITEBOARD - WALL MOUNTED, PROVIDED BY THE DEPARTMENT OF EDUCATION

CONTRACTOR TO SUPPLY & INSTALL AS PER SPECIFICATION & PLANS

- 1 FIRE BLANKET & SIGN
- 1 FIRE EXTINGUISHER - CLASS E & SIGNS
- 1 HOT WATER SYSTEM - 25L

SIGNAGE TO COMPLY WITH RELEVANT AUSTRALIAN STANDARDS



FOR CONSTRUCTION

No	Revision	Note	Drawn	Job Manager	SM	SP	Date
0	FOR CONSTRUCTION		EH	SM	SP		11.04.16



Education

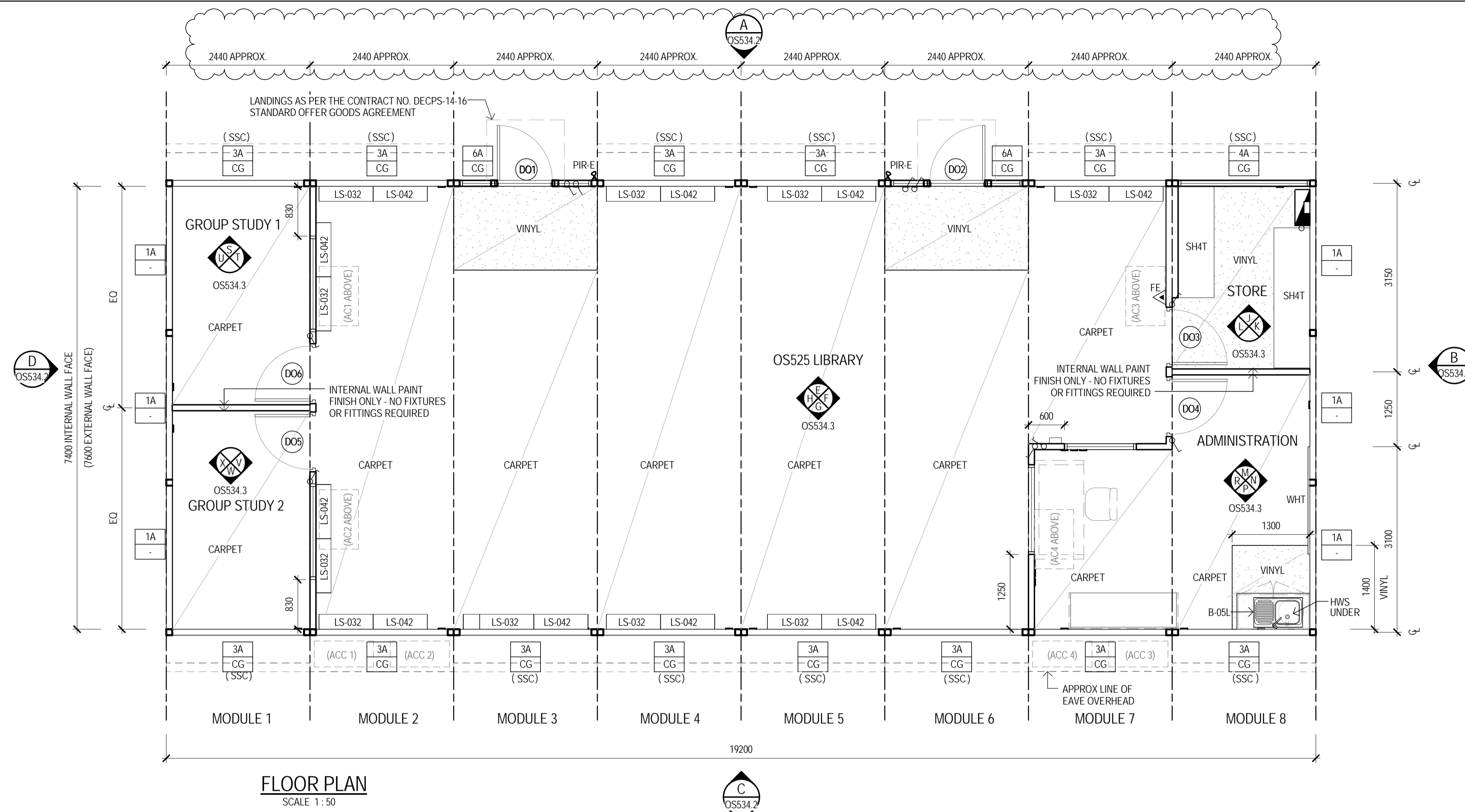
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Asset Management Directorate
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DO NOT SCALE	
Drawn	E. HEATON
Designer	K. KNAUS
Drafting Check	M. LEWIS
Design Check	C. ACEVSKI
Approved (Project Director)	SIMON PAGE*
Date	11.04.16
Scale	1:50

Client	DEPARTMENT OF EDUCATION	
Project	DEMOUNTABLE REFURBISHMENT PROJECT	
Title	OS534 - 8 MODULE LIBRARY LAYOUT INTERNAL ELEVATIONS	
Original Size	A1	Drawing No: OS534.3-8.LIB-ARC
Rev:	0	



FLOOR PLAN
SCALE 1:50

NOTES:

- CONTRACTOR TO SUPPLY & INSTALL ALL ITEMS AS SPECIFIED IN CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS SPECIFIED IN THIS DRAWING
- ALL STRUCTURAL METHODS, MATERIALS AND FINISHES ARE TO REMAIN AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS SPECIFIED IN THIS DRAWING
- GENERAL POWER OUTLETS & DATA OUTLETS ARE TO BE LOCATED NOT LESS THAN 600mm ABOVE THE FFL
- ALL LIGHT SWITCHES ARE TO BE NOT LESS THAN 1000mm ABOVE THE FFL
- ALL SWITCHES, FIXTURES & FITTINGS ARE TO BE INSTALLED AS PER EDUCATIONAL FACILITIES STANDARDS & GUIDELINES
- ALL ELECTRICAL APPLIANCES SHALL BE INSTALLED TO RELEVANT SECTIONS OF AS/NZS 3000
- ALL DIMENSIONS CLEAR REFER TO THE FACE OF THE FINAL FINISHED SURFACE
- VENTILATION FANS ARE TO BE ACTIVATED WITH THE AIR CONDITIONING OVERRIDE SWITCH
- CEILING TYPE, EAVE SHEETING & ROOF STRUCTURE TO BE AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS AGREED UPON OTHERWISE BETWEEN THE CLIENT & THE CONTRACTOR
- LANDINGS ARE DRAWN FOR INDICATIVE PURPOSES ONLY. INTERNAL CLEARANCE OF 1200mm MUST APPLY TO ACCESS THE LIBRARY LANDING HANDRAILS, BALUSTRADE & STAIRS ARE TO BE MANUFACTURED AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT
- WALL TYPE CONFIGURATIONS SHOWN ON THIS DRAWING ARE AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT, EXCEPT 6B VARIATION TO REPLACE THE SQUARE FIXED GLAZING WITH A SOLID WALL PANEL, 6A TYPE DOOR, STEEL & HIGHLIGHT WINDOW DETAILS TO REMAIN AS TYPICAL
- SIGNAGE SUCH AS 'STORE ROOM' & 'GROUP STUDY 1' ARE INDICATIVE FOR GENERAL LOCATION ONLY

CONTRACTOR TO SUPPLY & INSTALL AS PER SPECIFICATION & PLANS

- 1 FIRE BLANKET & SIGN
- 1 FIRE EXTINGUISHER - CLASS E & SIGNS
- 1 HOT WATER SYSTEM - 25L

SIGNAGE TO COMPLY WITH RELEVANT AUSTRALIAN STANDARDS

WALL TYPES:

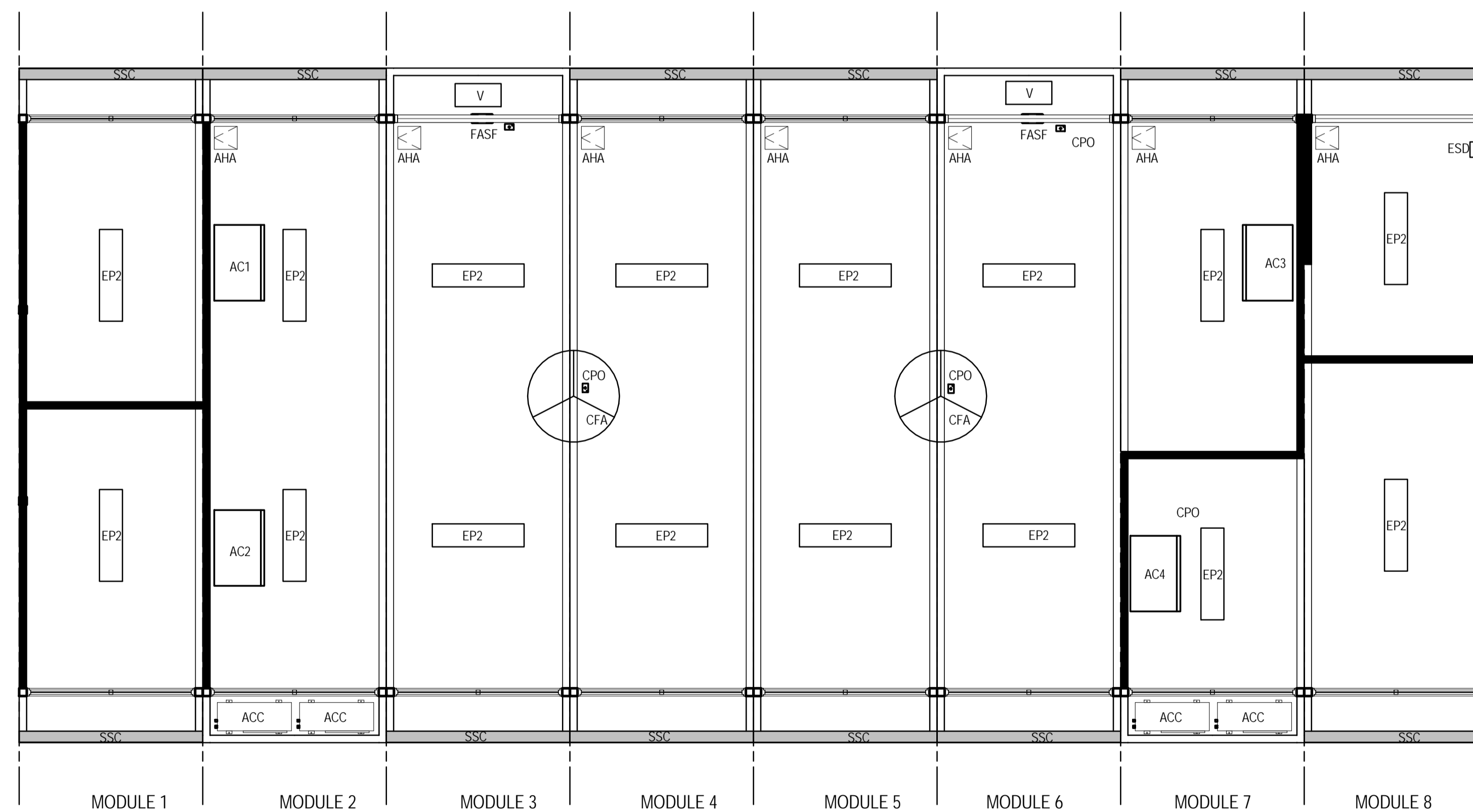
- XX ← WALL TYPE OPTION
- XX ← GLAZING OPTION

WALL TYPE DETAILS TO BE AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT

GLAZING LEGEND:

- CG - CLEAR GLAZING
- GO - GLAZING OVERHEAD
- LV - LOUVRE
- - NO GLAZING

CODE	DESCRIPTION
AC1	AIR CONDITIONING UNIT 1
AC2	AIR CONDITIONING UNIT 2
AC3	AIR CONDITIONING UNIT 3
AC4	AIR CONDITIONING UNIT 4
ACC	AIR CONDITIONING CONDENSER
AHA	ELECTRICAL CONNECTIONS ACCESS HATCH
B-05L	BENCH CUPBOARD WITH SK-41 LEFT HAND SINK, PROVIDED BY THE DEPARTMENT OF EDUCATION
CFA	CEILING FAN
CPO	CEILING POWER OUTLET - SINGLE 240V 10AMP
DO1	EXTERNAL 920mm LEAF, 40mm SOLID CORE DOOR - KEY LOCKABLE TO MATCH DO2, DOOR SEALS AS PER THE CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT
DO2	EXTERNAL 920mm LEAF, 40mm SOLID CORE DOOR - KEY LOCKABLE TO MATCH DO1, DOOR SEALS AS PER THE CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT
DO3	INTERNAL 920mm LEAF, 35mm SOLID CORE DOOR - KEY LOCKABLE, 20mm UNDERCUT FOR VENTILATION
DO4	INTERNAL 920mm LEAF, 35mm SOLID CORE DOOR - KEY LOCKABLE, 20mm UNDERCUT FOR VENTILATION
DO5	INTERNAL 920mm LEAF, 35mm SOLID CORE DOOR - NOT LOCKABLE, 20mm UNDERCUT FOR VENTILATION
DO6	INTERNAL 920mm LEAF, 35mm SOLID CORE DOOR - NOT LOCKABLE, 20mm UNDERCUT FOR VENTILATION
EP2	LIGHT FITTING - INTERNAL
ESD	ELECTRICAL SERVICES DUCTING
FASF	VENTILATION FAN - OPERATED VIA AIR CONDITIONING SWITCH
FE	FIRE EXTINGUISHER - TYPE E, 3.5KG, AS PER AS2444, MOUNTED 1200mm TO CENTRE OF HOOK OR HANDLE
HWS	HOT WATER SERVICE - 25L, INSTALLED INSIDE JOINERY CUPBOARD, UNDER THE BASIN
LS-032	SHELVING - WALL FIXED, STARTING BAY, PROVIDED BY THE DEPARTMENT OF EDUCATION
LS-042	SHELVING - WALL FIXED, ADD ON BAY, PROVIDED BY THE DEPARTMENT OF EDUCATION
PIR-E	PASSIVE INFRARED MOVEMENT DETECTOR - EXTERNAL 90° ADJUSTABLE, STEEL FRAME MOUNTED
SH4T	FIXED SHELVING - 600mm DEEP
SSC	SUN SCREEN - FITTED EXTERNALLY TO UNDERSIDE OF EAVE
V	LIGHT FITTINGS EXTERNAL
WHT	WHITEBOARD - WALL MOUNTED, PROVIDED BY THE DEPARTMENT OF EDUCATION



REFLECTED CEILING PLAN
SCALE 1:50



FOR CONSTRUCTION

No	Revision	Note:	Drawn	Job Manager	Project Director	Date
1	UPDATED MODULE DIMENSIONS		KK	SM	SP	17.07.17
0	FOR CONSTRUCTION		EH	SM	SP	11.04.16



Education

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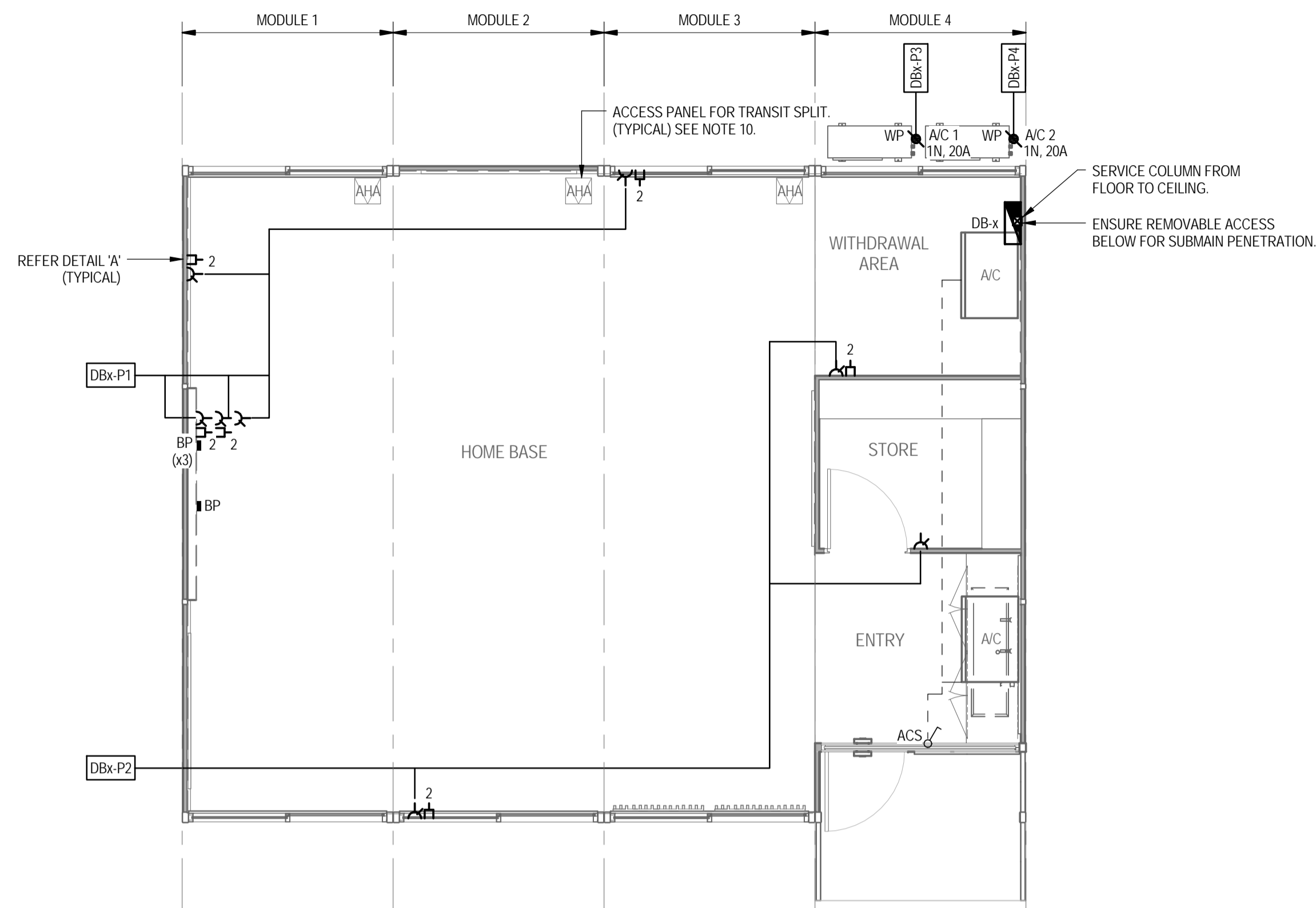
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Drawn	E. HEATON	Designer	K. KNAUS
Drafting Check	M. LEWIS	Design Check	C. ACEVSKI
Approved (Project Director)	SIMON PAGE*		
Date	11.04.16		
Scale	1 : 50		

Client	DEPARTMENT OF EDUCATION		
Project	DEMOUNTABLE REFURBISHMENT PROJECT		
Title	OS534 - 8 MODULE LIBRARY LAYOUT FLOOR & REFLECTED CEILING PLANS		
Original Size	A1	Drawing No:	OS534.1-8.LIB-ARC
Rev:	1		



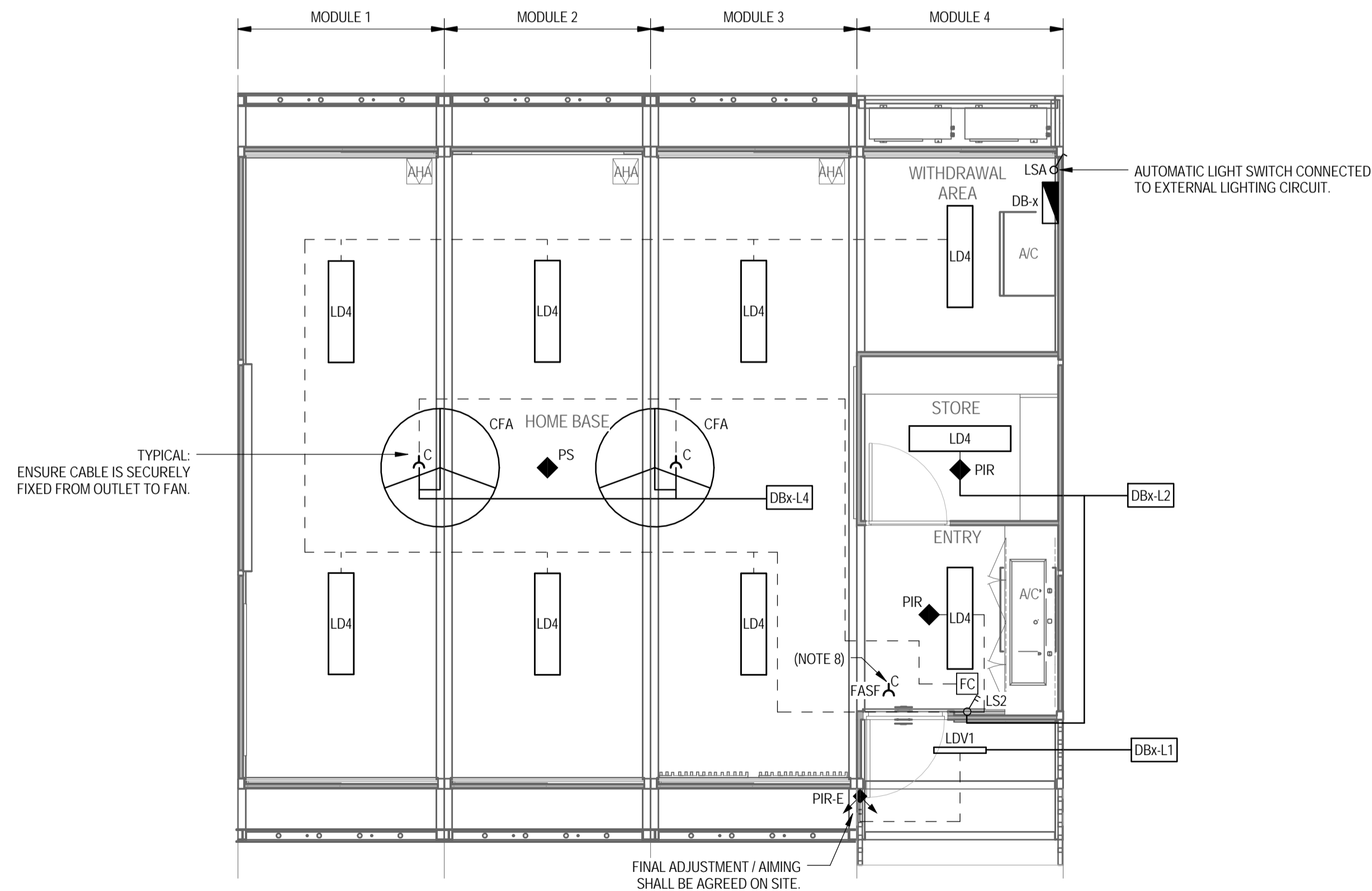
POWER AND COMMUNICATIONS LAYOUT
SCALE 1:50

LEGEND:

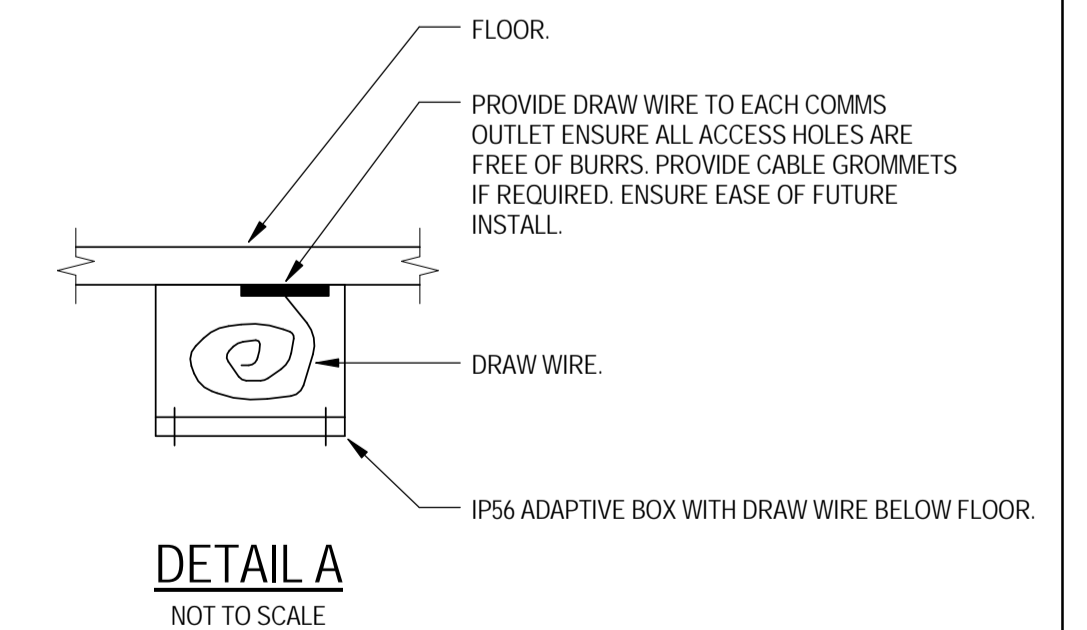
- DISTRIBUTION BOARD @1400mm AFL
- SERVICE DUCT (SIZE ACCORDINGLY)
- 10A TWIN SWITCHED SOCKET OUTLET MOUNTED @600mm AFL UNO.
- 10A SINGLE SOCKET OUTLET CEILING MOUNTED.
- 10A SINGLE SWITCHED SOCKET OUTLET CEILING MOUNTED FOR THE FAS/F & FED FROM THE A/C CONTROL CIRCUIT.
- PERMANENT CONNECTION WITH ISOLATOR SWITCH (IP56), MOUNT TO SUIT EQUIPMENT NOTED.
x DENOTES 'EQUIPMENT ABBREVIATION'
y DENOTES 'RATING'
A/C DENOTES 'AIR CONDITIONING'
- DUAL DATA OUTLET LOCATE TO MATCH ADJACENT SSO.
- BLANK PLATE FOR FUTURE EXPANSION.
- 19W LED IP65 SURFACE MOUNTED LUMINAIRE WITH VANDAL RESISTANT DIFFUSER (IK10). (PHILIPS VANDALITE WATERPROOF, BCW098 LED20NW PSU L600 OR APPROVED EQUIVALENT)
- 42W LED PANEL WITH SURFACE FRAME & NON-DIMMABLE ELECTRONIC DRIVER (WHITE). (PIERLITE SLENDER LED FRAMED, SL12.3/4K + SLSURFRAME/12-3 OR APPROVED EQUIVALENT)
- EXTERNAL LIGHTING TEST SWITCH: 1-GANG
- 10A LIGHT SWITCH: 2-GANG
- TIMER SWITCH FOR AIR CONDITIONING
- FAN SPEED CONTROLLER (CLIPSAL STANDARD RANGE, 32E500F OR APPROVED EQUIVALENT)
- 1400mm 3 BLADE ALUMINUM CEILING FAN (WHITE) (CLIPSAL 3HS1400AL OR APPROVED EQUIVALENT)
- 360° RECESSED FLUSH MOUNT PIR PRESENCE SENSOR TO LIGHTING CIRCUIT. (PIERLITE SMART SCAN SENSOR OR APPROVED EQUIVALENT)
- 360° RECESSED PASSIVE INFRARED MOTION SENSOR TO LIGHTING CIRCUIT. (CLIPSAL INFRASCAN 753R OR APPROVED EQUIVALENT)
- 110° IP66 SURFACE MOUNT PASSIVE INFRARED MOTION SENSOR TO PE-CELL EXTERIOR LIGHTING TO CIRCUIT. (CLIPSAL IP66 INFRASCAN 3-WIRE OR APPROVED EQUIVALENT)
- SWITCH WIRE
- CIRCUIT
- CIRCUIT DESIGNATION
- CEILING ACCESS HATCH FOR MODULE CONNECTION. JUNCTION BOXES ARE LOCATED ADJACENT THE AHA LOCATION.

NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE OTHER DISCIPLINE DRAWINGS.
2. ALL EQUIPMENT SHALL BE INSTALLED TO THEIR MANUFACTURERS LITERATURE AND THEIR RECOMMENDATIONS SHALL BE ADHERED TO.
3. ALL EQUIPMENT IS NEW.
4. REFER TO THE ARCHITECT'S DRAWINGS FOR THE SET OUT AND MOUNTING HEIGHTS OF ALL ACCESSORIES AND EQUIPMENT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE LOCATIONS COMPLY WITH AS/NZS3000.
5. REFER TO DETAIL A FOR COMMUNICATION PROVISIONS. ENSURE THE ARRANGEMENT FACILITATES EASE OF INSTALL AT A LATER DATE - WHERE THIS CANNOT BE ACHIEVED PROVIDE A CONDUIT (RE-WIREABLE SOLUTION)
6. PROVIDE CIRCUIT LABELING AND ID LABELING ON ALL OUTLETS (USE UV RESISTANT TRAFFOLITE LABELING FOR EXTERNAL ISOLATORS.)
7. WHERE CABLE SUPPORT OR ACCESS PROVISIONS ARE PROVIDED FOR COMMUNICATION SERVICES ENSURE THE PROVISIONS ACHIEVE SEPARATION REQUIREMENTS IDENTIFIED IN AS/NZS3000 AND AS/CA 5009.
8. FAS/F POWER SUPPLY TO BE FED FROM AC CONTROL CIRCUIT BY MECHANICAL CONTRACTOR.
9. BY OTHERS - DENOTES CABLE SUPPORT, BOX / BLANK PLATE AND DRAW WIRE TO BE PROVIDED BY CONTRACTOR ONLY. CONNECTING EQUIPMENT BY OTHERS.
10. ANY CABLE JUNCTIONS / JOINTS IN POWER CABLE SHALL BE FIXED TO THE STRUCTURE IN AN ADAPTIBLE BOX. CABLES FIXED IN INSULATED DIN RAIL TERMINALS. THE CIRCUITS SHALL BE IDENTIFIED ON THE ADAPTIBLE BOX WITH A TRAFFOLITE LABEL. THE LOCATIONS SHALL BE ACCESSIBLE AND SHALL BE INDICATED ON 'AS INSTALLED' DRAWINGS WHERE MULTIPLE CIRCUITS ARE WITHIN THE ADAPTIBLE BOX. PROVIDE SEPARATION BARRIERS AND A WARNING NOTICE ON THE ADAPTIBLE BOX INDICATING MULTIPLE SUPPLIES WITHIN THIS ENCLOSURE - ISOLATE ALL SUPPLIES BEFORE WORKING ON THIS ENCLOSURE.
11. THE ELECTRICAL INSTALLATION SHALL BE IN FULL COMPLIANCE WITH AS/NZS3000.



LIGHTING LAYOUT
SCALE 1:50



FOR CONSTRUCTION

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
1	REVISED FOR CONSTRUCTION		BS	SM	SP	05.12.17
0	ISSUED FOR CONSTRUCTION		BS	SM*	SP*	18.08.17



NSW Department of Education
Demountable Coordination Unit
Asset Management Directorate

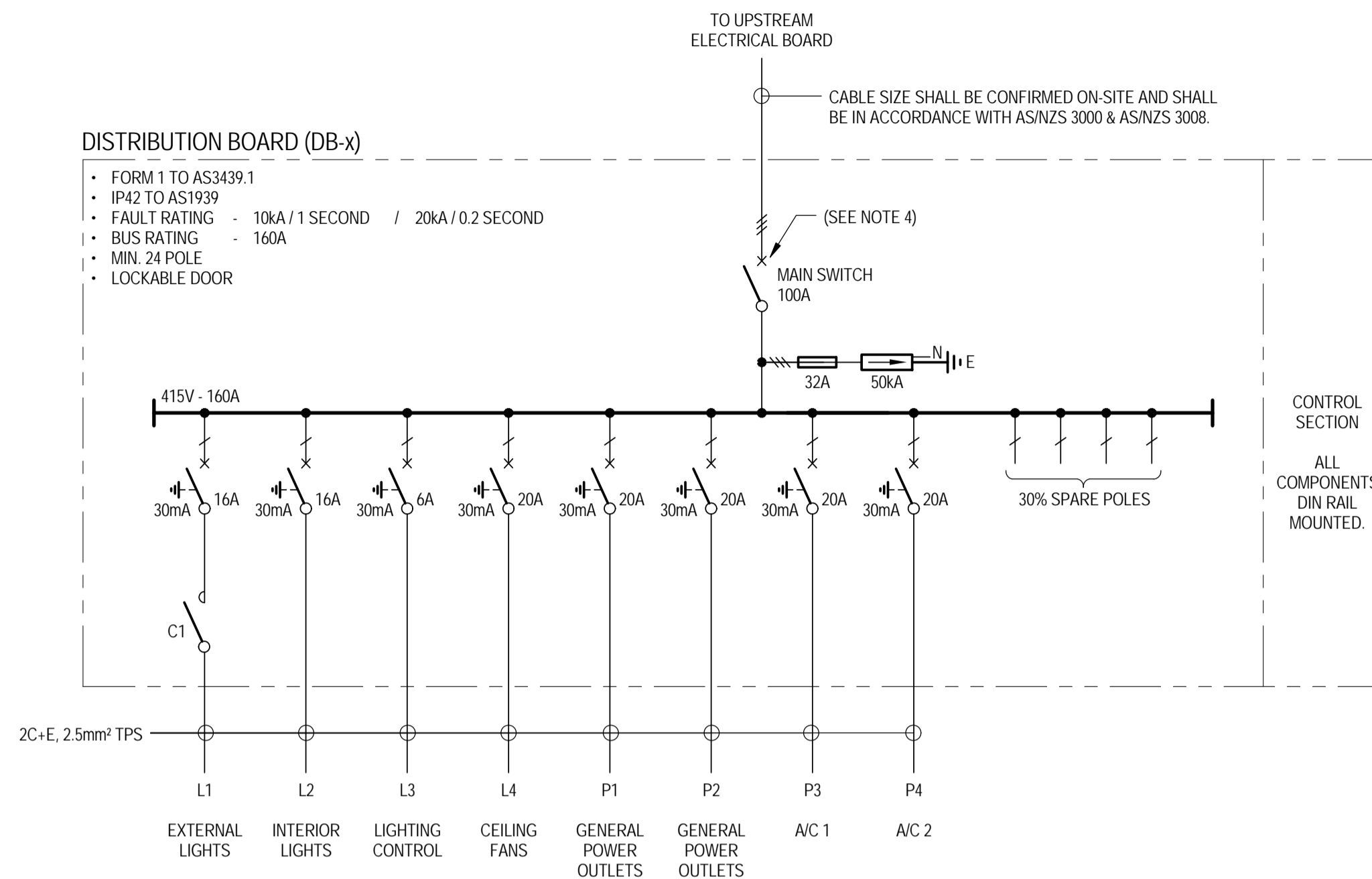


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Drawn	A.COOMBER	Designer	A.COOMBER
Drafting Check	E.WALLIS*	Design Check	J.WOLSKI*
Approved (Project Director)	S. PAGE*		
Date	18.08.17		
Scale	As indicated		

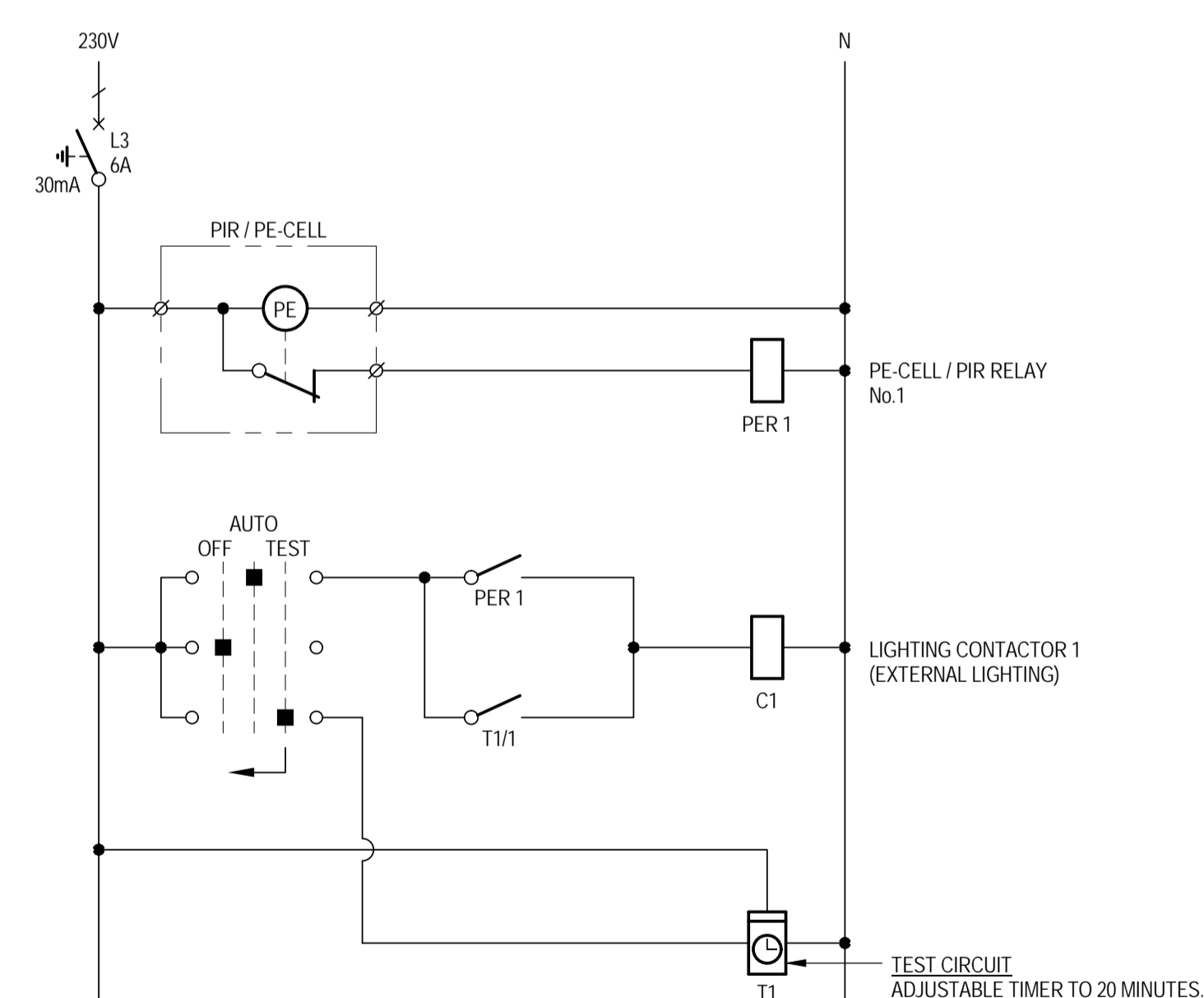
Client	DEPARTMENT OF EDUCATION		
Project	DEMOUNTABLE REFURBISHMENT PROJECT		
Title	OS602 - 4 MODULE DEMOUNTABLE HOMEBASE POWER, COMMS & LIGHTING LAYOUTS		
Original Size	A1	Drawing No:	OS602.3-4.HB -ELC
Rev:	1		



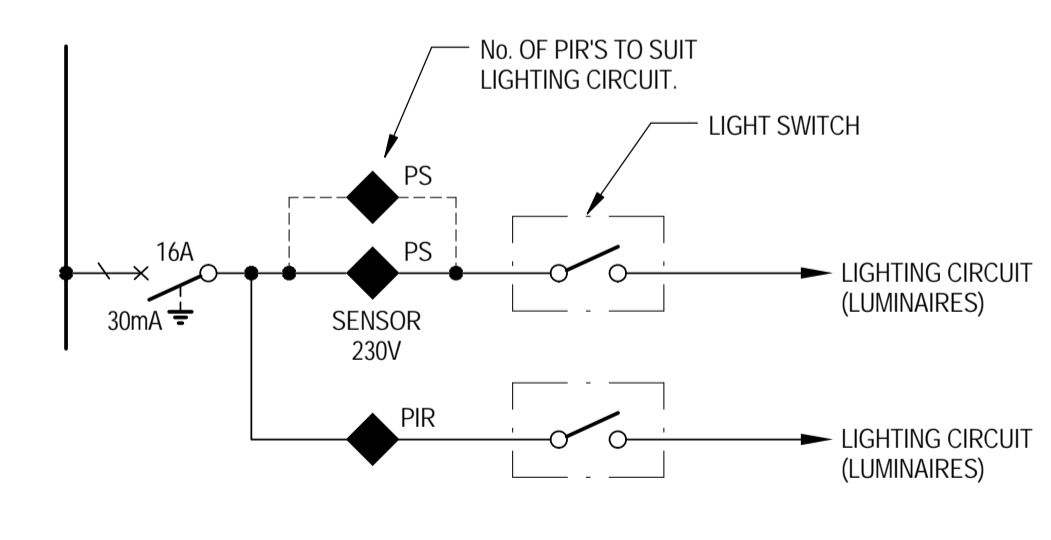
DISTRIBUTION BOARD - SINGLE LINE DIAGRAM
NOT TO SCALE

- NOTES**
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE OTHER DISCIPLINE DRAWINGS.
 - ALL EQUIPMENT SHALL BE INSTALLED TO THEIR MANUFACTURERS LITERATURE AND THEIR RECOMMENDATIONS SHALL BE ADHERED TO.
 - ALL EQUIPMENT IS NEW.
 - PROVIDE A MAIN SWITCH IN ACCORDANCE WITH AS/NZS3000. WHERE THE FAULT LEVEL OF THE SITE IS UNKNOWN PROVIDE A CIRCUIT BREAKER IN PLACE OF AN ISOLATOR ENABLING CASCADING PROTECTION (FAULT CURRENT LIMITING) TO BE AFFORDED TO THE SWITCHBOARD (25kA MINIMUM) - OBTAIN MANUFACTURERS GUIDANCE / RECOMMENDATIONS. CONFIRM ON SITE FCL REQUIREMENTS BEFORE IMPLEMENTATION OF FINAL SCHEME.
 - ALL BREAKERS SHALL BE THE SAME MANUFACTURE AND SHALL BE AS MANUFACTURED BY NHP OR EQUAL AND APPROVED. THE MCBS SHALL BE 10KA RATED.
 - ENSURE DISCRIMINATION IS ACHIEVED WITH UPSTREAM AND DOWNSTREAM BREAKERS.
 - CONFIRM THE EARTHING ARRANGEMENTS ON SITE. ENSURE THE EARTHING INSTALLATION IS IN FULL COMPLIANCE WITH AS/NZS3000.
 - THE CONTRACTOR SHALL CHECK THE FINAL BREAKER ARRANGEMENT AND ENSURE CASCADING AND DISCRIMINATION IS ACHIEVED ADDITIONALLY THE ELECTRICAL INSTALLATION COMPLIES WITH AS/NZS3000.

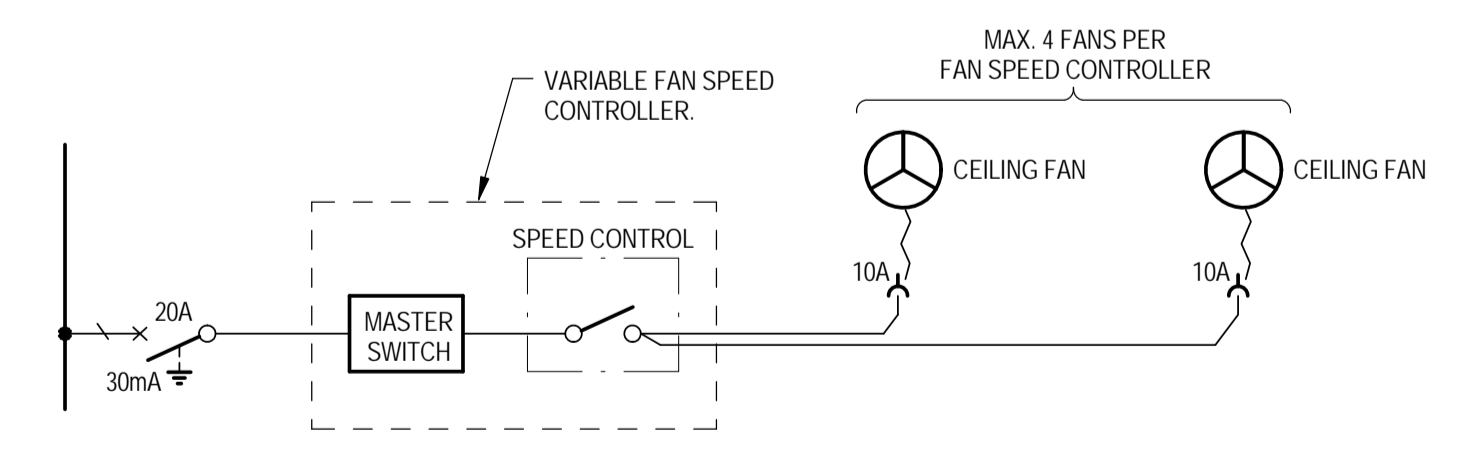
- LEGEND:**
- 1 POLE (1 PHASE)
 - 3 POLE (3 PHASE)
 - MAIN SWITCH - MAIN BREAKER (SEE NOTE 4)
 - CIRCUIT BREAKER (RCD)
 - CONTACTOR AC2
 - RELAY COIL
 - CONTACT COIL
 - PUSH-BUTTON SWITCH
 - PIR / PE-CELL (CLIPSAL IP66 INFRASCAN 3-WIRE)
 - PASSIVE PRESENCE SENSOR (PIERLITE SMART SCAN)
 - PASSIVE INFRARED MOTION SENSOR (CLIPSAL INFRASCAN 753R)
 - LATCHING TIMER 1 CHANNEL (230V)
 - EARTH
 - SURGE DIVERTER



EXTERNAL LIGHTING - TYPICAL CONTROL DIAGRAM
NOT TO SCALE



TYPICAL ROOM CIRCUIT DETAIL
NOT TO SCALE



TYPICAL CEILING FAN CIRCUIT
NOT TO SCALE

FOR CONSTRUCTION

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
1	REVISED FOR CONSTRUCTION		BS	SM	SP*	05.12.17
0	ISSUED FOR CONSTRUCTION		BS	SM*	SP*	18.08.17



NSW Department of Education
Demountable Coordination Unit
Asset Management Directorate



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Drafting Check	E.WALLIS*	Design Check	J.WOLSKI*	Project
Approved (Project Director)	S. PAGE*	Date	18.08.17	Title
Scale	NOT TO SCALE	This Drawing must not be used for Construction unless signed as Approved		Original Size

Client	DEPARTMENT OF EDUCATION
Project	DEMOUNTABLE REFURBISHMENT PROJECT
Title	OS602 - 4 MODULE DEMOUNTABLE HOMEBASE ELECTRICAL SINGLE LINE DIAGRAMS
Original Size	A1
Drawing No:	OS602.4-4.HB -ELC
Rev:	1

Furniture to be supplied by DET and installed by Contractor

- 2 D-09 Display panel, fabric
- 2 M-14 Bag Racks
- 1 Bo-25 Whiteboard
- 1 B-113 Bench Cupboard, open shelf
- 1 B-112R Bench Cupboard, Technology RH door
- 2 B-117 Bench Cupboard, Technology
- 2 M-81 Benchtop, Technology/ splashback

Contractor to supply and install as per specification & plans.

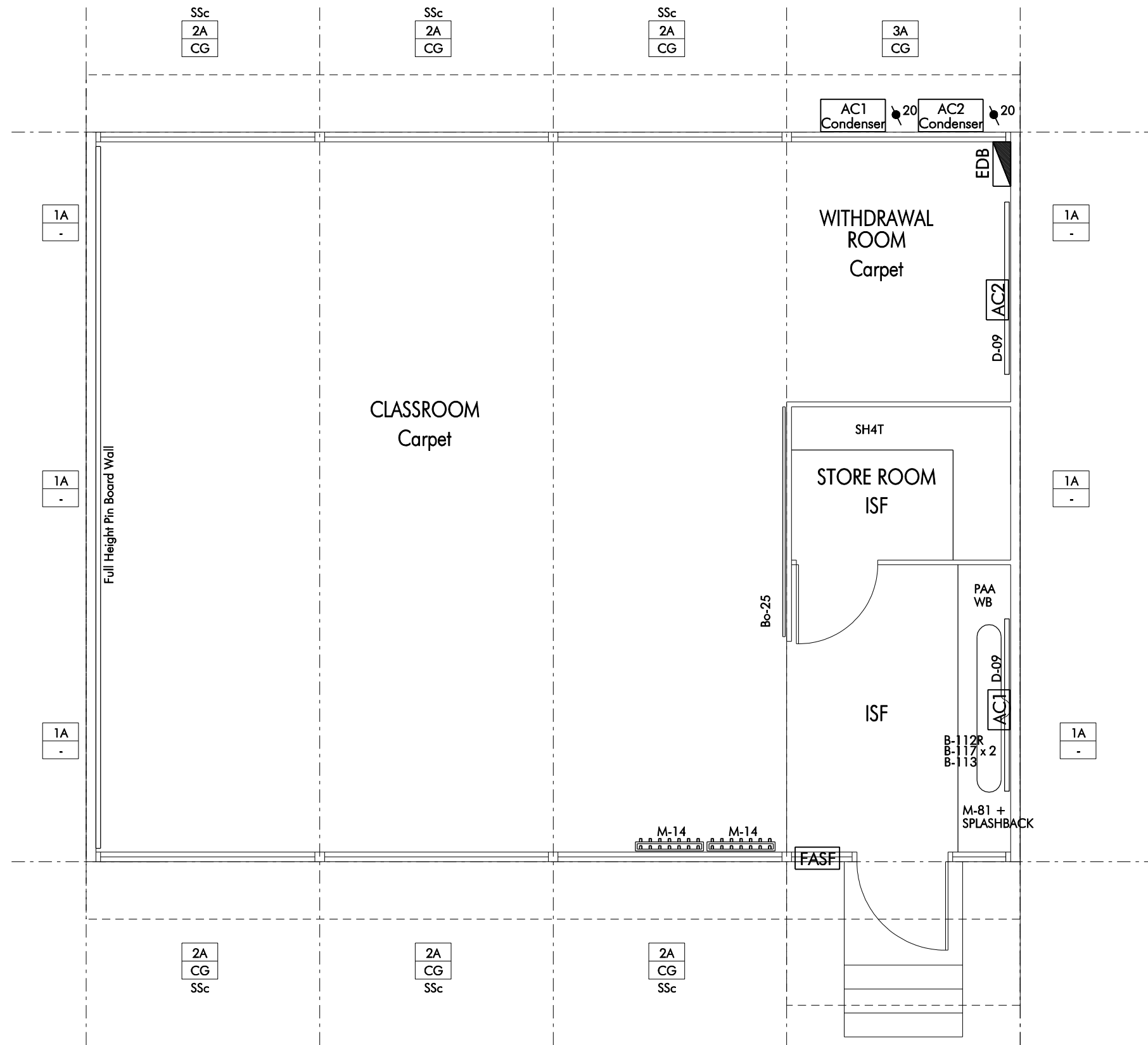
4 tier shelving

Notes:

1. Full height pin board to back wall.
2. All other items as required.

Signage:

As per separate sheet.



Floor Plan

Scale: 1:50

G:\USERS\CAD DRAWINGS\2010 DEMOUNTABLE UPGRADED DRAWINGS

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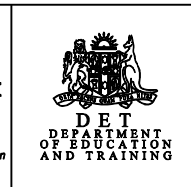
REVISION		
ISS	DATE	COMMENT
1	28.04.08	2008 Revision
2	29.07.08	swop 90-00 for 90-25
3	May 2010	2010 Revision

STRUCTURAL NSW PUBLIC WORKS T 4908 4999 F 4908 4954	ARCHITECTURAL NSW PUBLIC WORKS T 4908 4999 F 4908 4954
ELECTRICAL NSW PUBLIC WORKS T 4908 4999 F 4908 4954	LANDSCAPE NSW PUBLIC WORKS T 4908 4999 F 4908 4954
MECHANICAL NSW PUBLIC WORKS T 4908 4999 F 4908 4954	QUANTITY SURVEYOR NSW PUBLIC WORKS T 4908 4999 F 4908 4954
HYDRAULIC NSW PUBLIC WORKS T 4908 4999 F 4908 4954	PROJECT MANAGEMENT NSW PUBLIC WORKS T 4908 4999 F 4908 4954

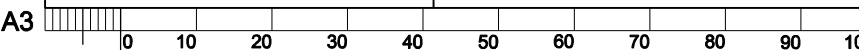
NSW GOVERNMENT

Public Works Project Management
Hunter New England Region

A division of the Department of Services, Technology & Administration
PETER DUNCAN
Director General



School Demountable Buildings Old System		PLAN RM NO ED 08-354	CONTRACT NUMBER
Classroom w/ Air Conditioning 4 Module		SCALE 1: 100 @ A3	SHEET NO A01
DESIGNED M. Jackson	PLOT DATE	REVISION 3	
DRAFTED J. Baggs	VERIFIED		



USE FIGURED DIMENSIONS IN PREFERENCE TO SCALING
CHECK ALL DIMENSIONS ON SITE

200MM

300MM ON ORIGINAL

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POWER & LIGHTING NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE OTHER DISCIPLINE DRAWINGS.
2. ALL EQUIPMENT SHALL BE INSTALLED TO THEIR MANUFACTURERS LITERATURE AND THEIR RECOMMENDATIONS SHALL BE ADHERED TO.
3. ALL EQUIPMENT IS NEW.
4. REFER TO THE ARCHITECT'S DRAWINGS FOR THE SET OUT AND MOUNTING HEIGHTS OF ALL ACCESSORIES AND EQUIPMENT. NOTE - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE LOCATIONS COMPLY WITH AS/NZS3000.
5. THE ELECTRICAL INSTALLATION SHALL BE IN FULL COMPLIANCE WITH AS/NZS3000.

LEGEND:

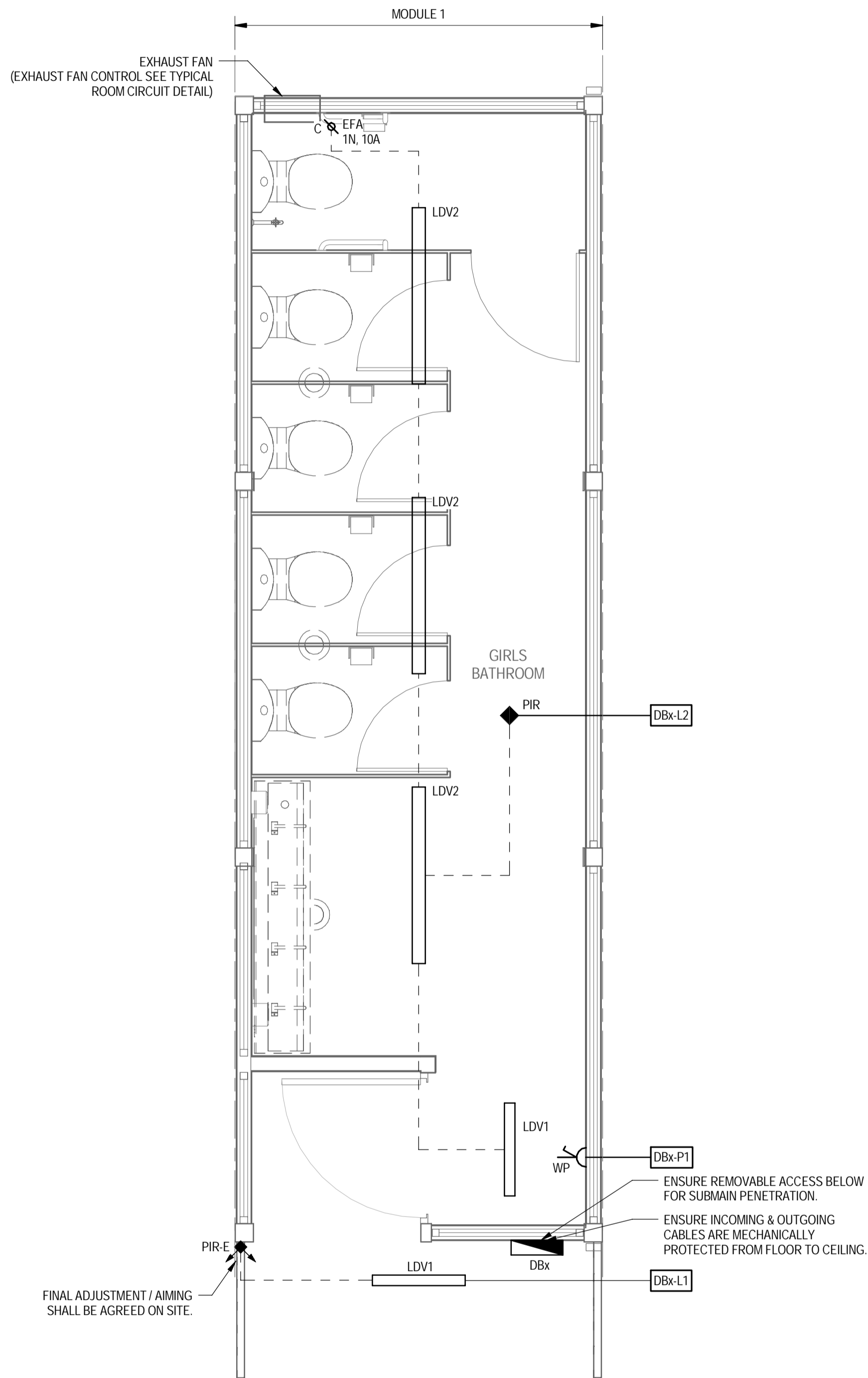
- DISTRIBUTION BOARD (18 POLE) @1400mm AFL, MIN. IP55 (LOCKABLE)
- PERMANENT CONNECTION, CEILING MOUNTED TO SUIT EQUIPMENT NOTED.
- x DENOTES EQUIPMENT ABBREVIATION
- y DENOTES RATING
- EFA DENOTES EXHAUST FAN
- 10A TWIN SWITCH SOCKET OUTLET WEATHERPROOF MOUNTED AT @ 1000mm AFL (CLIPSAL INDUSTRIAL SERIES TYPE OR APPROVED EQUIVALENT)
- 19W LED IP65 SURFACE MOUNTED LUMINAIRE WITH VANDAL RESISTANT DIFFUSER (IK10) (PHILIPS VANDALITE WATERPROOF, BCW098 LED20NW PSU L600 OR APPROVED EQUIVALENT)
- 38W LED IP65 SURFACE MOUNTED LUMINAIRE WITH VANDAL RESISTANT DIFFUSER (IK10) (PHILIPS VANDALITE WATERPROOF, BCW098 LED40NW PSU L1200 OR APPROVED EQUIVALENT)
- 360° RECESSED PASSIVE INFRARED MOTION SENSOR TO LIGHTING CIRCUIT. (CLIPSAL INFRASCAN 753R OR APPROVED EQUIVALENT)
- 110° IP66 SURFACE MOUNT PASSIVE INFRARED MOTION SENSOR TO PE-CELL EXTERIOR LIGHTING TO CIRCUIT. (CLIPSAL IP66 INFRASCAN 3-WIRE OR APPROVED EQUIVALENT)
- SWITCH WIRE
- CIRCUIT
- DBx-Lxx CIRCUIT DESIGNATION

SINGLE LINE DIAGRAM NOTES:

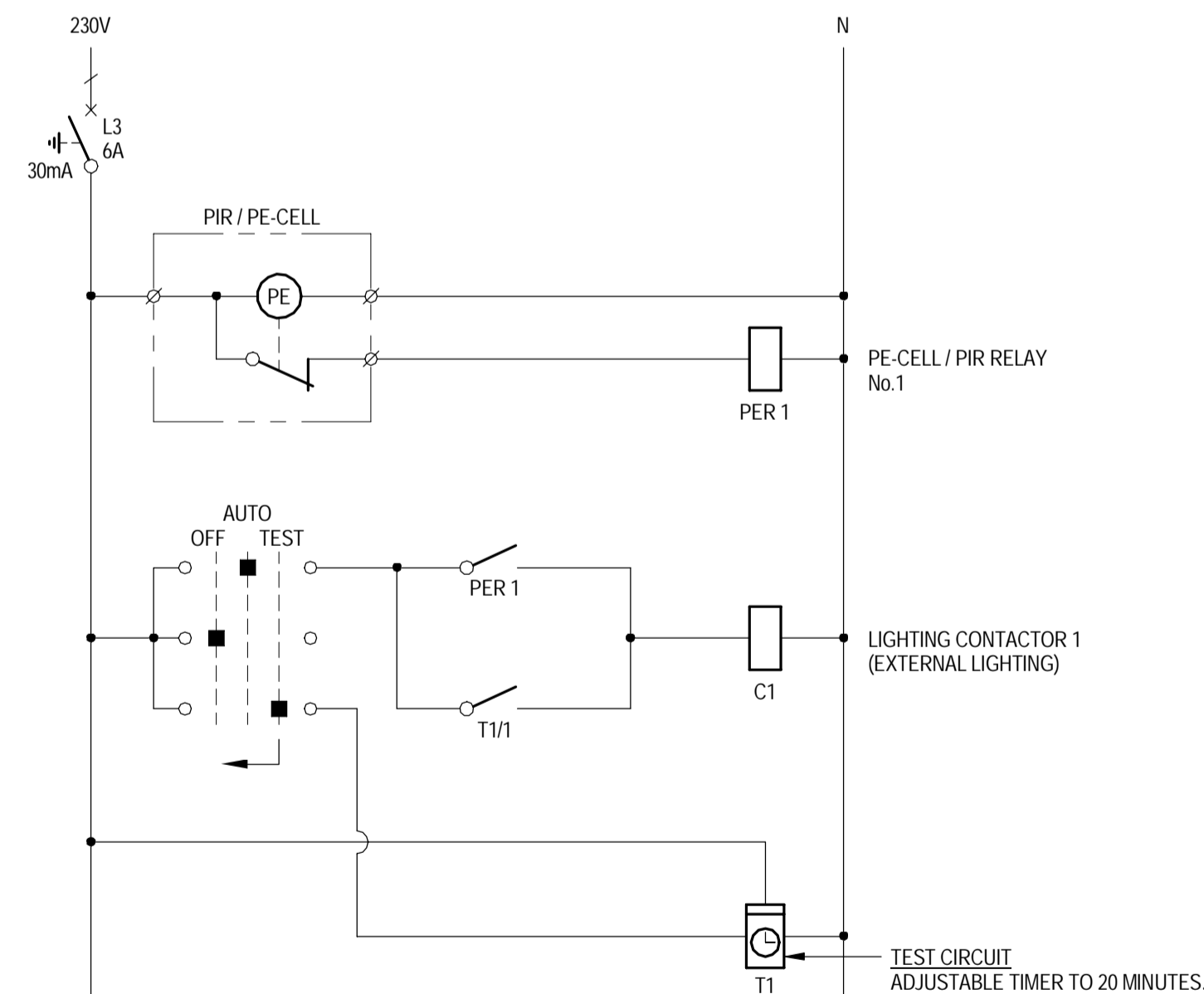
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2. ALL EQUIPMENT SHALL BE INSTALLED TO THEIR MANUFACTURERS LITERATURE AND THEIR RECOMMENDATIONS SHALL BE ADHERED TO.
3. ALL EQUIPMENT IS NEW.
4. PROVIDE A MAIN SWITCH IN ACCORDANCE WITH AS/NZS3000. WHERE THE FAULT LEVEL OF THE SITE IS UNKNOWN PROVIDE A CIRCUIT BREAKER IN PLACE OF AN ISOLATOR ENABLING CASCADING PROTECTION (FAULT CURRENT LIMITING) TO BE AFFORDED TO THE SWITCHBOARD (25KA MINIMUM) - OBTAIN MANUFACTURERS GUIDANCE / RECOMMENDATIONS. CONFIRM ON SITE FCL REQUIREMENTS BEFORE IMPLEMENTATION OF FINAL SCHEME.
5. ALL BREAKERS SHALL BE THE SAME MANUFACTURE AND SHALL BE AS MANUFACTURED BY NHP OR EQUAL AND APPROVED. THE MCBS SHALL BE 10KA RATED.
6. ENSURE DISCRIMINATION IS ACHIEVED WITH UPSTREAM AND DOWNSTREAM BREAKERS.
7. CONFIRM THE EARTHING ARRANGEMENTS ON SITE. ENSURE THE EARTHING INSTALLATION IS IN FULL COMPLIANCE WITH AS/NZS3000.
8. THE CONTRACTOR SHALL CHECK THE FINAL BREAKER ARRANGEMENT AND ENSURE CASCADING AND DISCRIMINATION IS ACHIEVED ADDITIONALLY THE ELECTRICAL INSTALLATION COMPLIES WITH AS/NZS3000.

LEGEND:

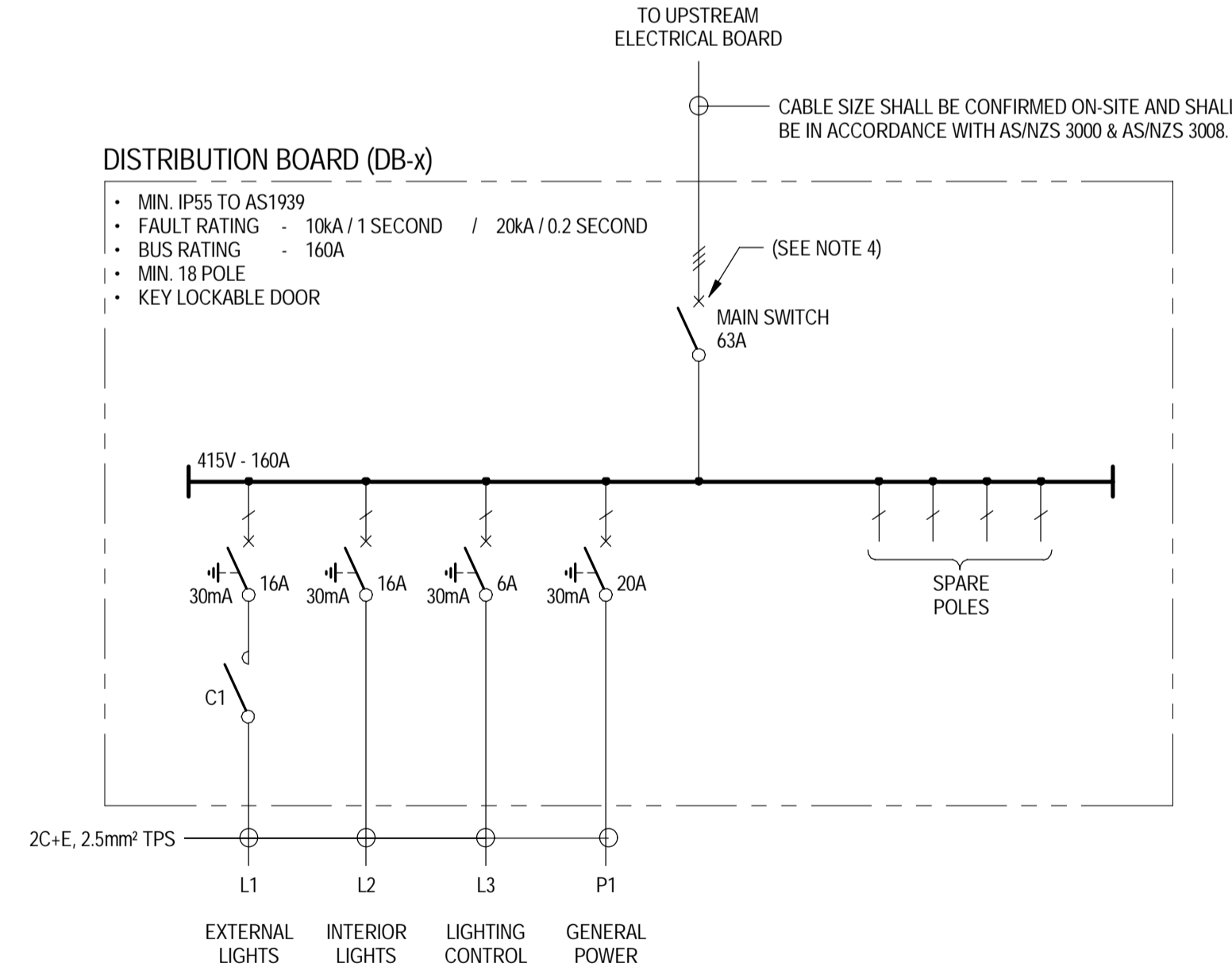
- 1 POLE (1 PHASE)
- 3 POLE (3 PHASE)
- MAIN SWITCH - MAIN BREAKER (SEE NOTE 4)
- CIRCUIT BREAKER (RCD)
- CONTACTOR AC2
- R# RELAY COIL
- C# CONTACT COIL
- PIR / PE-CELL (CLIPSAL IP66 INFRASCAN 3-WIRE)
- PS PASSIVE PRESENCE SENSOR. (PIERLITE SMART SCAN)
- PIR PASSIVE INFRARED MOTION SENSOR. (CLIPSAL INFRASCAN 753R)
- LATCHING TIMER 1 CHANNEL (230V)



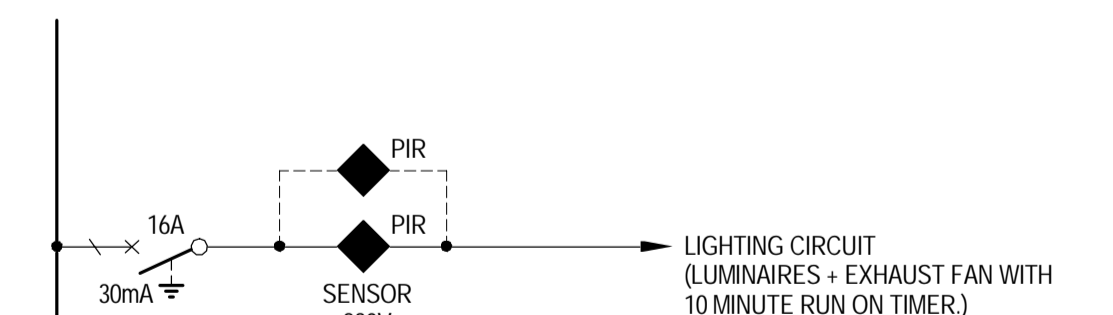
OS840 - POWER & LIGHTING LAYOUT
SCALE 1:25



EXTERNAL LIGHTING - TYPICAL CONTROL DIAGRAM
NOT TO SCALE



DISTRIBUTION BOARD - SINGLE LINE DIAGRAM
NOT TO SCALE



TYPICAL ROOM CIRCUIT DETAIL
NOT TO SCALE



FOR CONSTRUCTION

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
0	FOR CONSTRUCTION		BS	SM*	SP*	12.02.18

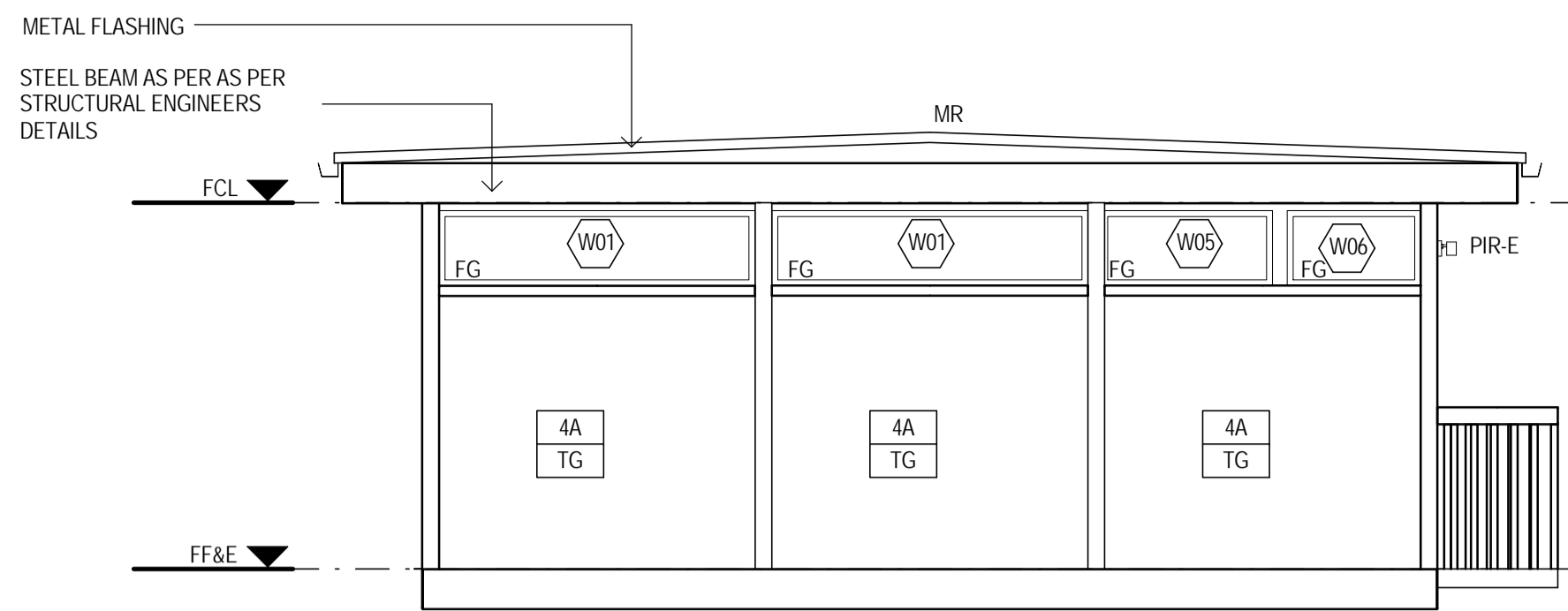


NSW Department of Education
Demountable Coordination Unit
Asset Management Directorate

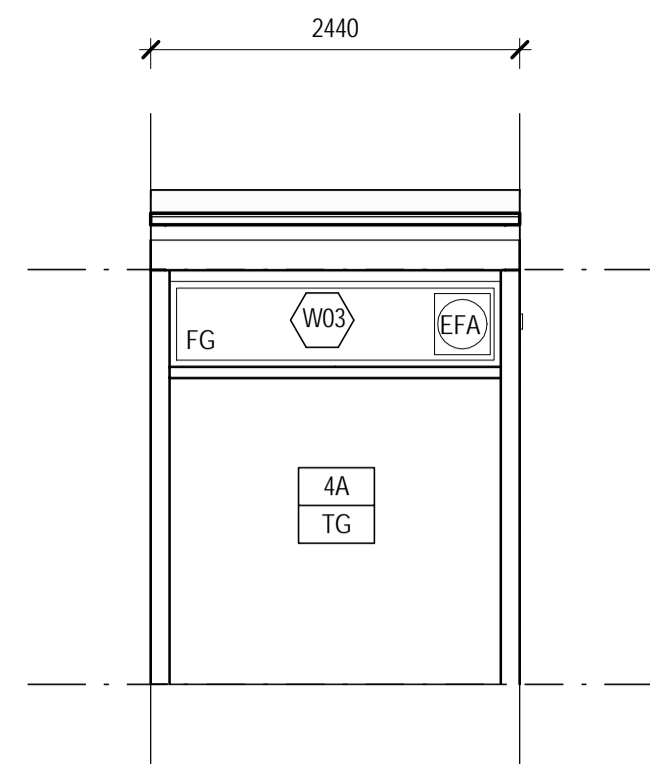


DO NOT SCALE	Drawn B.SNEESBY	Designer K.HARKESS
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	Approved (Project Director) S.PAGE*	Date 12.02.18
	Scale As indicated	This Drawing must not be used for Construction unless signed as Approved

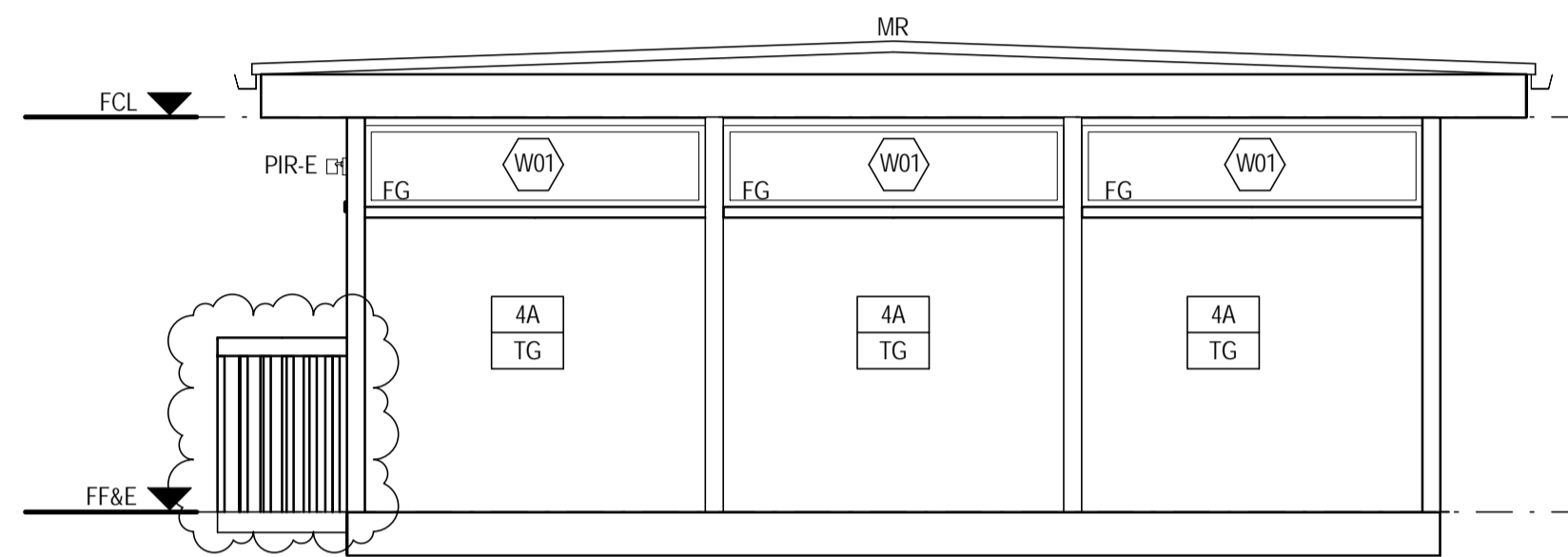
Client	DEPARTMENT OF EDUCATION
Project	DEMOUNTABLE CLASSROOMS PROJECT
Title	OS840 - 1 MODULE GIRLS TOILET POWER & LIGHTING LAYOUT & SCHEMATICS
Original Size	A1
Drawing No:	OS840.3
Rev:	0



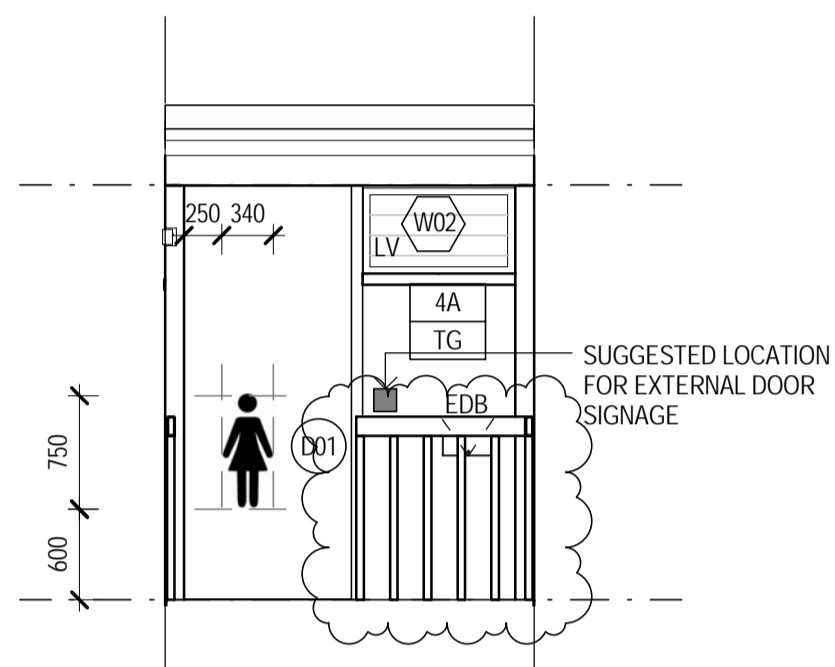
1 EXTERNAL ELEVATION
OS840.1 SCALE 1:50



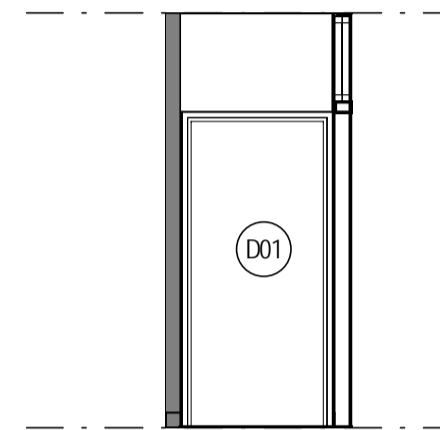
2 EXTERNAL ELEVATION
OS840.1 SCALE 1:50



3 EXTERNAL ELEVATION
OS840.1 SCALE 1:50



4 EXTERNAL ELEVATION
OS840.1 SCALE 1:50



5 EXTERNAL ELEVATION
OS840.1 SCALE 1:50

WALL TYPES:

- XX ← WALL TYPE OPTION
- XX ← GLAZING OPTION

WALL TYPE DETAILS TO BE AS PER DRAWING A100

GLAZING LEGEND:

- CG - CLEAR GLAZING
- TG - FROSTED OR TRANSLUCENT GLAZING
- NO GLAZING

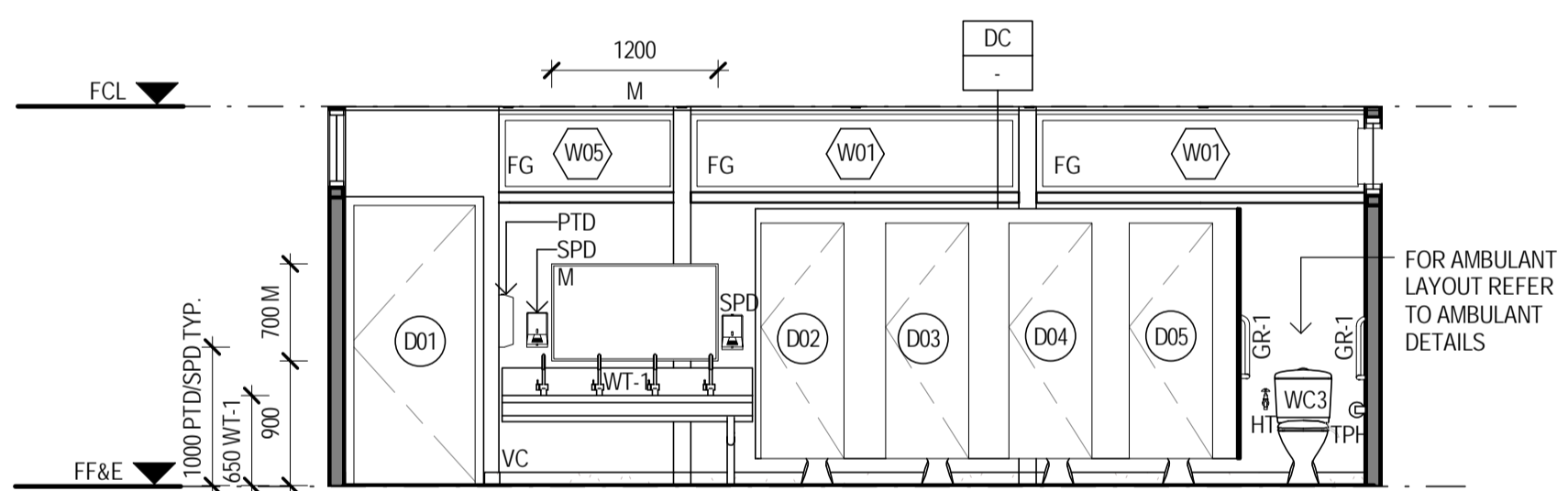
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- ALL DIMENSIONS NOTED AS CLEAR REFER TO THE FINISHED FACE DIMENSIONS
- COLD WATER SUPPLY PIPEWORK AND SANITARY DRAINAGE WASTES TO BE INSTALLED IN ACCORDANCE WITH PROJECT HYDRAULIC SPECIFICATION TO PROVIDE A FULLY FUNCTIONING COMPLIANT SYSTEM FIT FOR PURPOSE
- REFER TO THE PROJECT SPECIFICATION 0171 GENERAL REQUIREMENTS, SECTION 2.1. FOR DETAILS OF THE ITEMS THAT ARE TO BE INSTALLED BY OTHERS
- JOINDER STRIP TO BE APPLIED AFTER CARPET INSTALLATION. CONTRACTOR TO PROVIDE CARPETS, LINING, JOINDER STRIP & ASSOCIATED FIXINGS. OTHERS TO INSTALL.

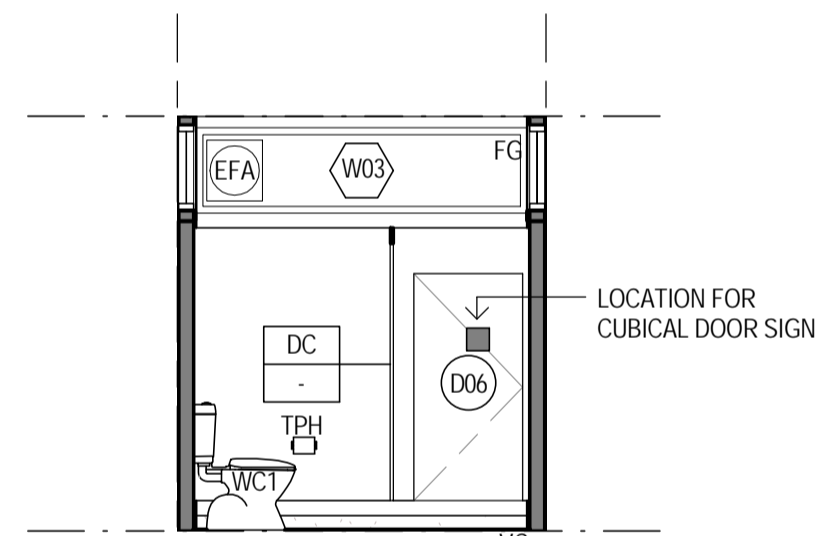
LEGEND	
CODE	DESCRIPTION
EDB	ELECTRICAL DISTRIBUTION BOARD - REFER TO ELECTRICAL ENGINEER'S DRAWINGS
EFA	EXHAUST FAN- FANTECH STYLVENT HV-300AE, IPX4 RATED, OR APPROVED EQUIVALENT, INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS
FG	FIXED GLAZING - AS PER ARCHITECTURAL SPECIFICATIONS
GR-1	AMBULANT GRAB RAIL AS PER AS1428.1
HT	HOSE TAP FOR CLEANER
LV	GLAZED OPERABLE LOUVRES
M	MIRROR
MR	METAL ROOF SHEETING AS PER ARCHITECTURAL SPECIFICATIONS
PIR-E	PASSIVE INFRARED MOVEMENT DETECTOR - REFER TO ELECTRICAL ENGINEER'S DRAWINGS
PTD	PAPER TOWEL DISPENSER - METLAM ML255S OR APPROVED EQUIVALENT
SPD	SOAP DISPENSER
SSO.2	SWITCHED SOCKET OUTLET WEATHER PROTECTED - REFER TO ELECTRICAL ENGINEER'S DRAWINGS
TPH	TOILET PAPER HOLDER ZONE TO AS1428.1
VC	COVERED VINYL SKIRTING
WC1	CAROMA 'SCHOOLSMART' CONCEALED TRAP TOILET SUITE WITH 4.5L DUAL FLUSH CISTERN OR APPROVED EQUIVALENT
WC3	CAROMA 'COSMO SOVEREIGN CARE' SUITE - COMPLETE WITH 'CONCORDE' CONCEALED TRAP PAN, 'SOVEREIGN SMARTFLUSH' DUAL FLUSH CISTERN AND 'CARAVELLE CARE' DOUBLE FLAP SEAT
WT-1	HAND WASH TROUGH - PW WALL SEND PATTERN, 304 STAINLESS STEEL, FULLY SUPPORTED FOR USE, 50mm CHROME PLATED VERTICAL OUTLET THROUGH FLOORING, SEALED LOCK NUT & COVERPLATE, INCLUDING ENWARE BUB223C TYPE 48 VANDAL PROOF PILLAR COCKS OR APPROVED EQUIVALENT

WINDOW SCHEDULE GIRLS							
ID	NO.	WIDTH	HEIGHT	ACTION	FRAME TYPE	GLAZING TYPE	WINDOW COMMENTS
01	5	2366	565	FIXED	CLEAR ANODISED ALUMINIUM	50% TRANSLUCENT/FROSTED	FURTHER WINDOW PERFORMANCE DETAILS AS PER THE SPECIFICATION
02	1	1000	565	OPERABLE LOUVRE	CLEAR ANODISED ALUMINIUM	50% TRANSLUCENT/FROSTED	FURTHER WINDOW PERFORMANCE DETAILS AS PER THE SPECIFICATION
03	1	2190	565	FIXED	CLEAR ANODISED ALUMINIUM	50% TRANSLUCENT/FROSTED	FURTHER WINDOW PERFORMANCE DETAILS AS PER THE SPECIFICATION
05	1	1280	565	FIXED	CLEAR ANODISED ALUMINIUM	50% TRANSLUCENT/FROSTED	FURTHER WINDOW PERFORMANCE DETAILS AS PER THE SPECIFICATION

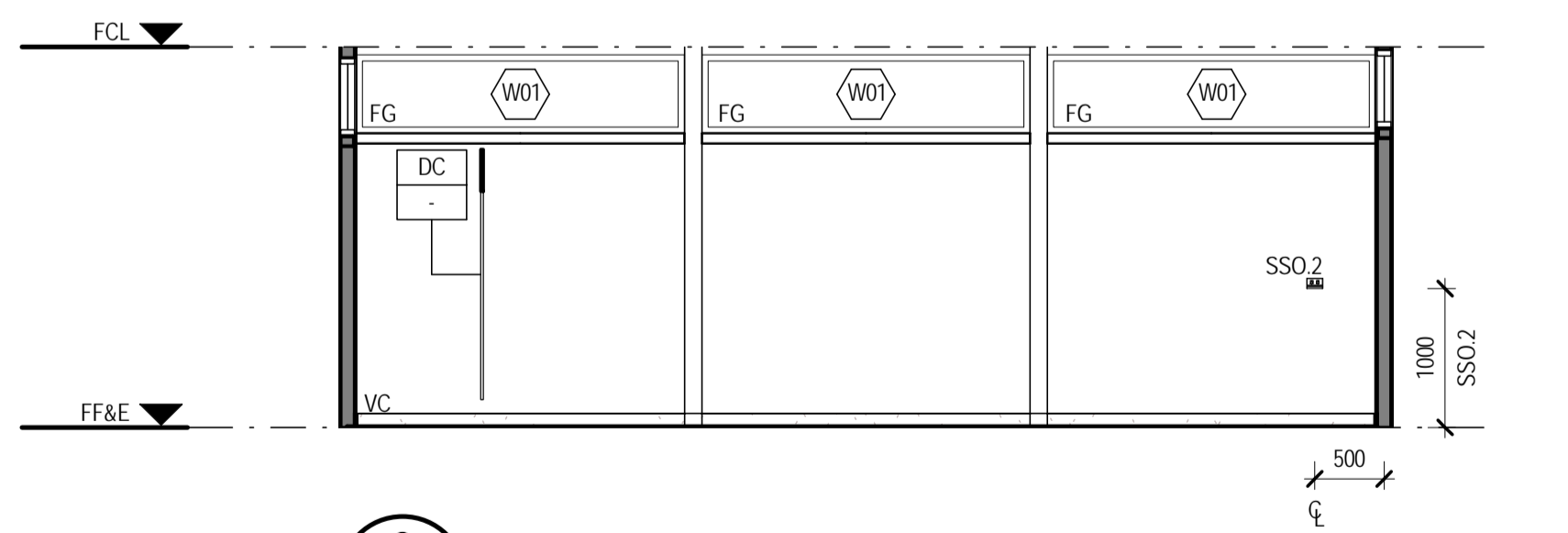
DOOR SCHEDULE GIRLS					
DOOR NO.	FRAME TYPE	FRAME FINISH	LEAF SIZE	LOCKSET FUNCTION	COMMENTS
01	STEEL FRAME	PAINT FINISH	40 x 920 x 2040	KEY LOCKABLE TO EFSS GUIDELINES WITH HANDLE HARDWARE	TYPICAL EXTERNAL DOOR HARDWARE AND SEALS AS PER SPECIFICATION
02	PROPRIETARY SYSTEM WITH LIFT OFF HINGES	PROPRIETARY SYSTEM	19 x 600 x 1700	PROPRIETARY STANDARD HARDWARE- BUMPER, COAT HOOK, HINGES, INDICATORS	DURACUBE 3000 SERIES, 13MM POLYTEC PANELS, COLOUR 275 CLASSIC GREY, STAINLESS STEEL PEDESTAL MOUNTS, SQUARE HEAD RAIL, OR APPROVED EQUIVALENT
03	PROPRIETARY SYSTEM WITH LIFT OFF HINGES	PROPRIETARY SYSTEM	19 x 600 x 1700	PROPRIETARY STANDARD HARDWARE- BUMPER, COAT HOOK, HINGES, INDICATORS	DURACUBE 3000 SERIES, 13MM POLYTEC PANELS, COLOUR 275 CLASSIC GREY, STAINLESS STEEL PEDESTAL MOUNTS, SQUARE HEAD RAIL, OR APPROVED EQUIVALENT
04	PROPRIETARY SYSTEM WITH LIFT OFF HINGES	PROPRIETARY SYSTEM	19 x 600 x 1700	PROPRIETARY STANDARD HARDWARE- BUMPER, COAT HOOK, HINGES, INDICATORS	DURACUBE 3000 SERIES, 13MM POLYTEC PANELS, COLOUR 275 CLASSIC GREY, STAINLESS STEEL PEDESTAL MOUNTS, SQUARE HEAD RAIL, OR APPROVED EQUIVALENT
05	PROPRIETARY SYSTEM WITH LIFT OFF HINGES	PROPRIETARY SYSTEM	19 x 600 x 1700	PROPRIETARY STANDARD HARDWARE- BUMPER, COAT HOOK, HINGES, INDICATORS	DURACUBE 3000 SERIES, 13MM POLYTEC PANELS, COLOUR 275 CLASSIC GREY, STAINLESS STEEL PEDESTAL MOUNTS, SQUARE HEAD RAIL, OR APPROVED EQUIVALENT
06	PROPRIETARY SYSTEM WITH LIFT OFF HINGES	PROPRIETARY SYSTEM	19 x 720 x 1700	PROPRIETARY AMBULANT HARDWARE TO COMPLY WITH AS1428.1. AMBULANT LOCK, BUMPER, D-HANDLE, COAT HOOK.	DURACUBE 3000 SERIES, 13MM POLYTEC PANELS, COLOUR 275 CLASSIC GREY, STAINLESS STEEL PEDESTAL MOUNTS, SQUARE HEAD RAIL, OR APPROVED EQUIVALENT



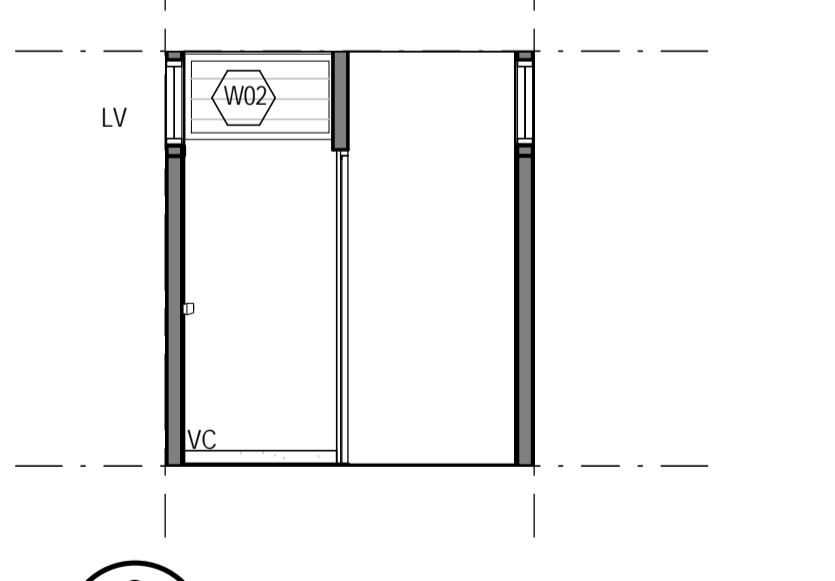
6 INTERNAL ELEVATION
OS840.1 SCALE 1:50



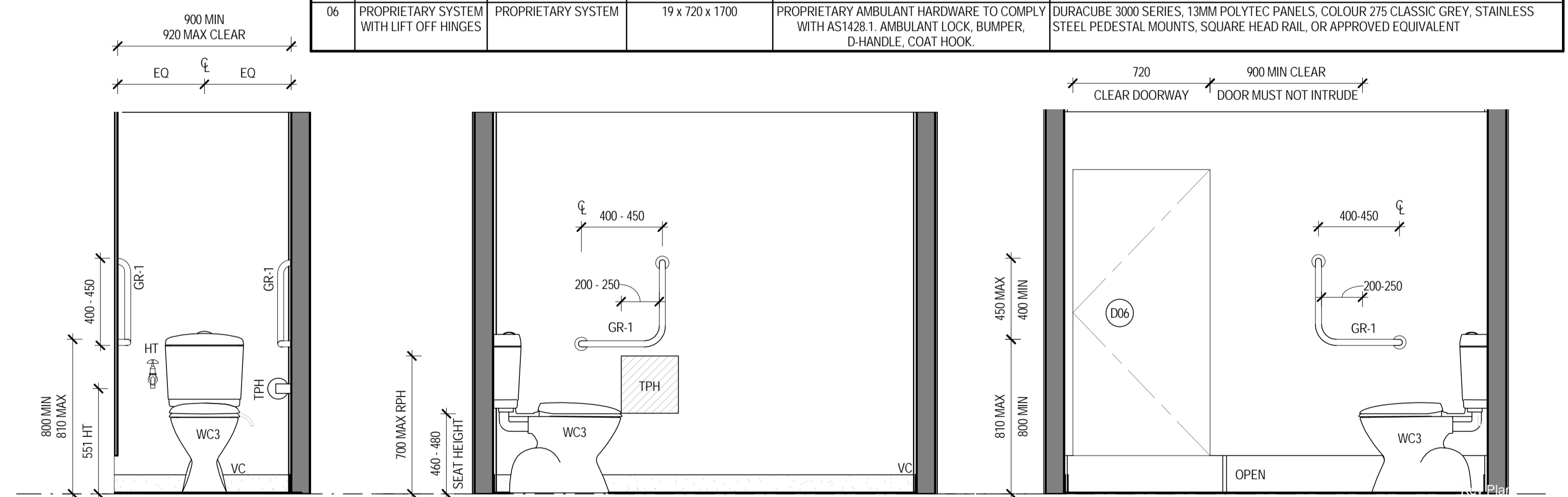
7 INTERNAL ELEVATION
OS840.1 SCALE 1:50



8 INTERNAL ELEVATION
OS840.1 SCALE 1:50



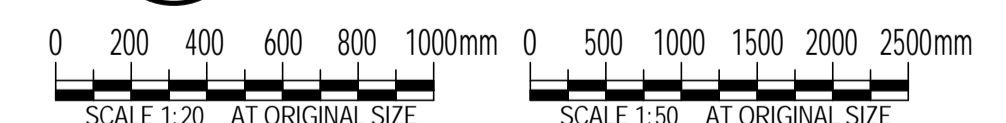
9 INTERNAL ELEVATION
OS840.1 SCALE 1:50



10 AMBULANT DETAIL 1
OS840.1 SCALE 1:20

11 AMBULANT DETAIL 2
OS840.1 SCALE 1:20

12 AMBULANT DETAIL 3
OS840.1 SCALE 1:20



FOR CONSTRUCTION

No	Revision	Note	Drawn	Job Manager	Project Director	Date
2	REVISED ENTRY DETAILS		HT	SM	SP	02.03.18
1	REVISED WALL TYPE, DIMENSIONS, PAPER TOWEL DISPENSER ADDED		KK	SM	SP	15.02.18
0	FOR CONSTRUCTION		HT	SM	SP	12.02.18



Education

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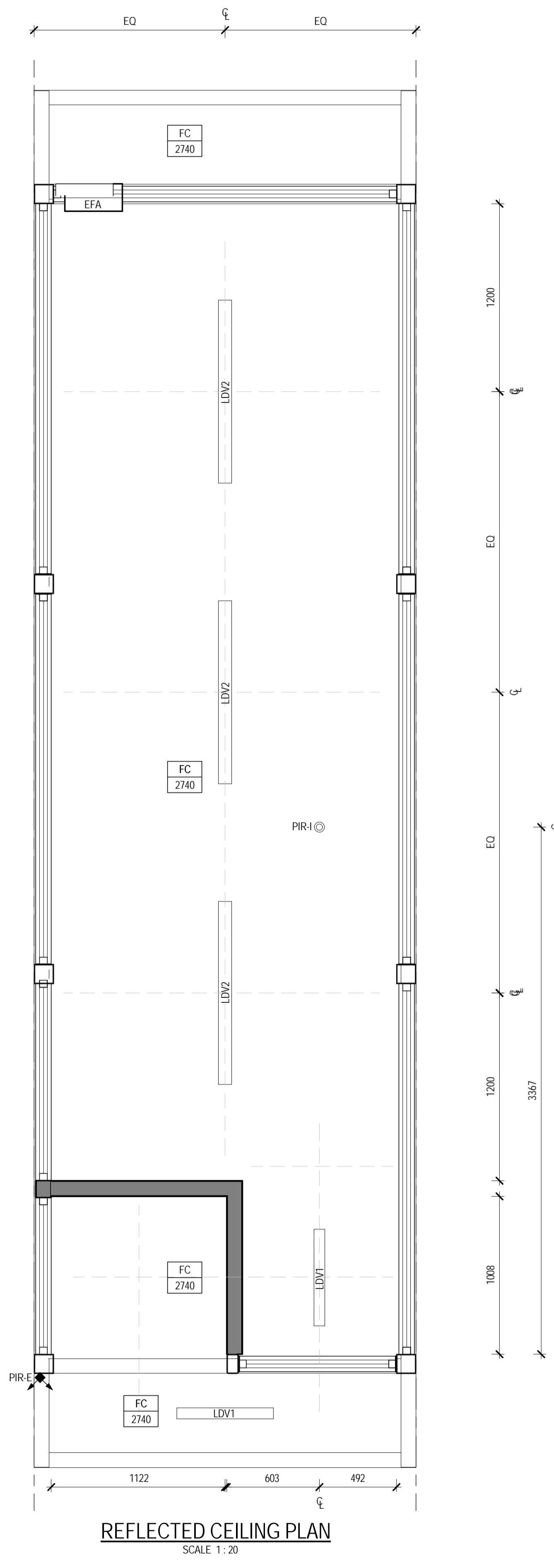
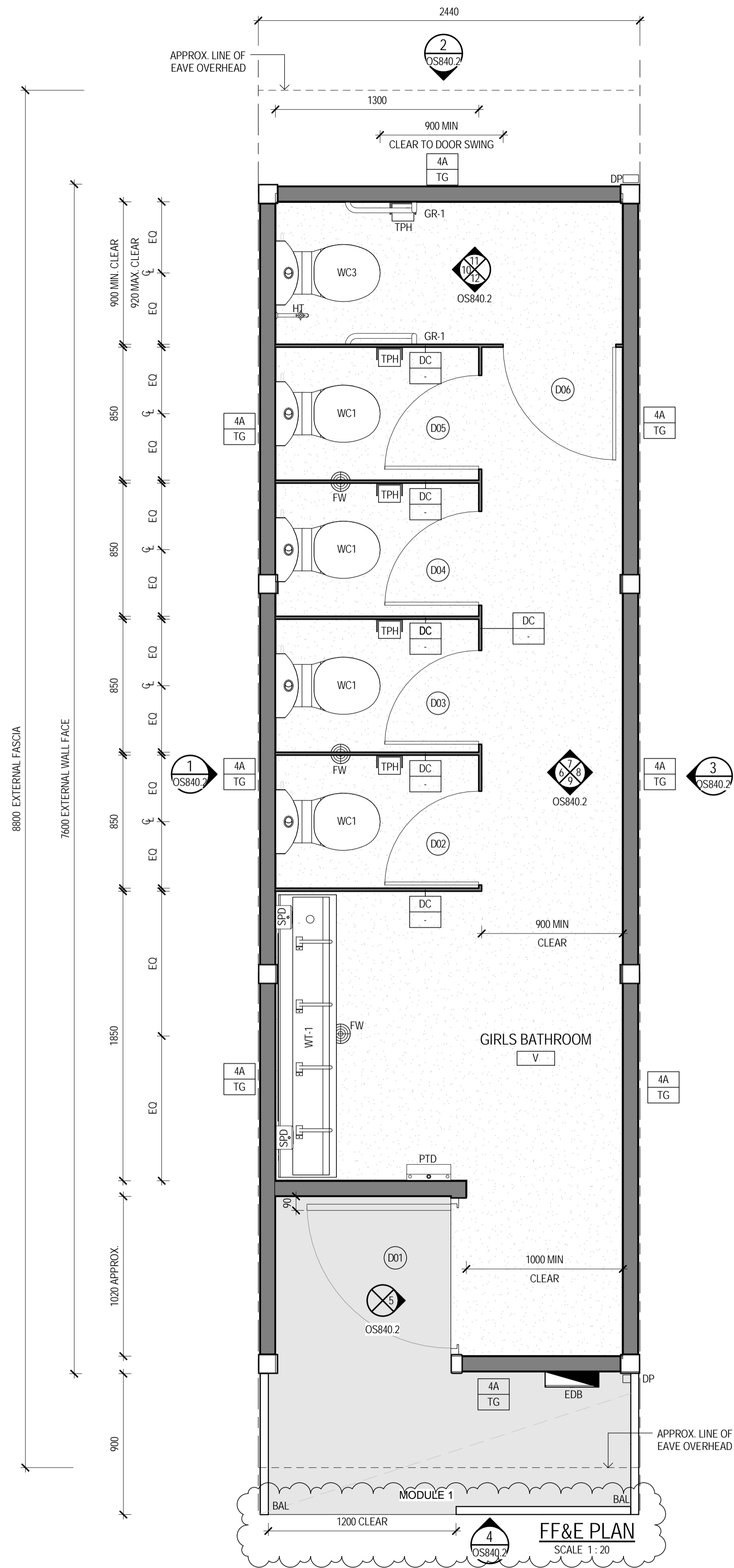
DO NOT SCALE

Drawn A.SHOEMARK Designer K.KNAUS
Drafting Check E.WALLIS* Design Check R.ACKLAND*
Approved (Project Director) S.PAGE*
Date 26.09.17
Scale As indicated This Drawing must not be used for Construction unless signed as Approved

Client **DEPARTMENT OF EDUCATION**
Project **DEMOUNTABLE CLASSROOMS PROJECT**
Title **OS840 - 1 MODULE GIRLS TOILET INTERNAL ELEVATIONS**

Original Size **A1** Drawing No: **OS840.2**

Rev: **2**



WALL TYPES:

- XX ← WALL TYPE OPTION
- XX ← GLAZING OPTION

WALL TYPE DETAILS TO BE AS PER DRAWING A100

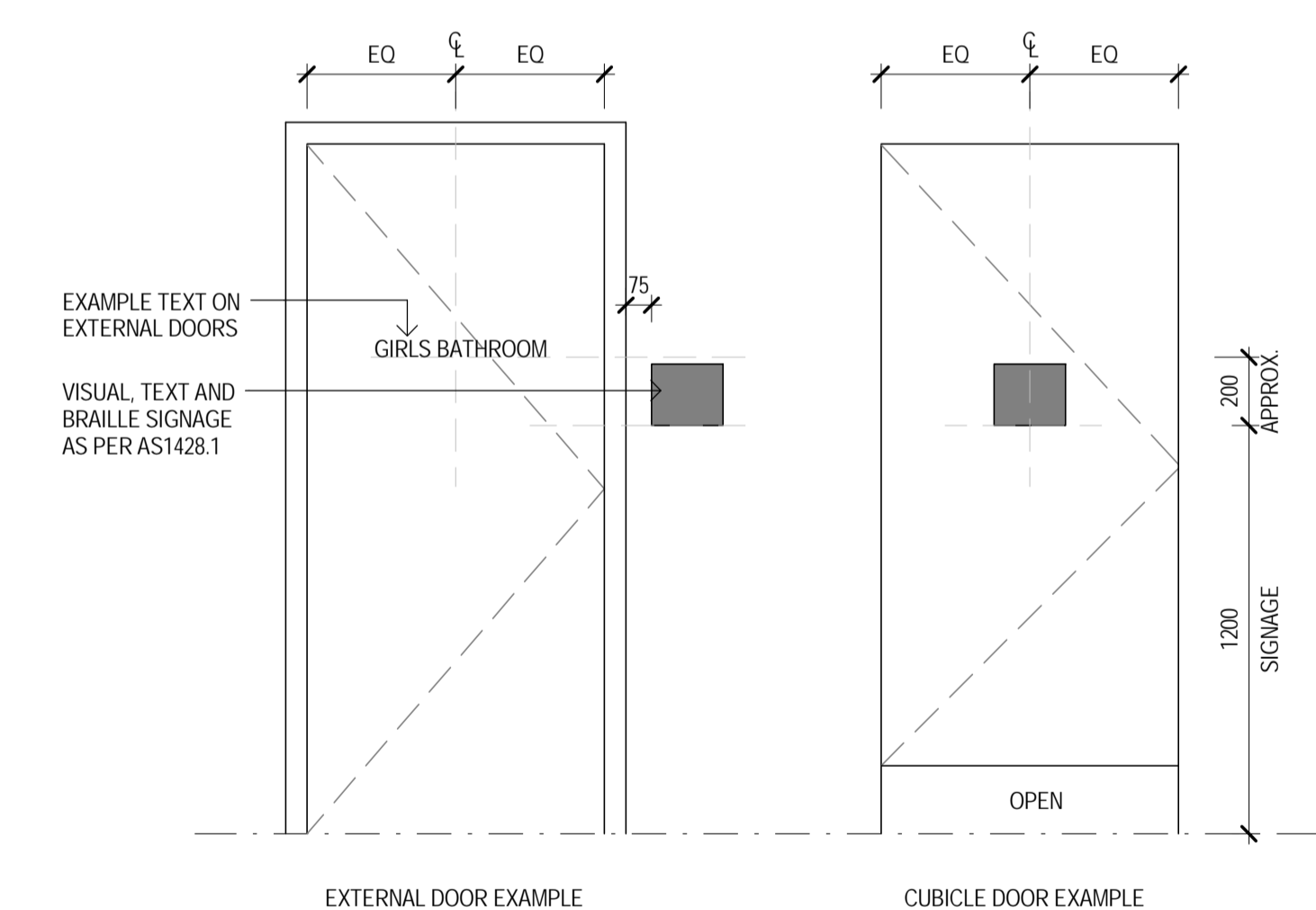
GLAZING LEGEND:

- CG - CLEAR GLAZING
- TG - FROSTED OR TRANSLUCENT GLAZING
- - NO GLAZING

NOTES:

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- ALL DIMENSIONS NOTED AS CLEAR REFER TO THE FINISHED FACE DIMENSIONS
- COLD WATER SUPPLY PIPEWORK AND SANITARY DRAINAGE WASTES TO BE INSTALLED IN ACCORDANCE WITH PROJECT/HYDRAULIC SPECIFICATION TO PROVIDE A FULLY FUNCTIONING COMPLIANT SYSTEM FIT FOR PURPOSE.
- REFER TO THE PROJECT SPECIFICATION 0171 GENERAL REQUIREMENTS, SECTION 2.1, FOR DETAILS OF THE ITEMS THAT ARE TO BE INSTALLED BY OTHERS
- JOINER STRIP TO BE APPLIED AFTER CARPET INSTALLATION. CONTRACTOR TO PROVIDE CARPETS, LINING, JOINER STRIP & ASSOCIATED FIXINGS. OTHERS TO INSTALL.

LEGEND	
CODE	DESCRIPTION
BAL	BALUSTRADE - 1m MIN HEIGHT, FULLY WELDED & PAINTED STEEL
DC	DURACUBE 3000 SERIES, 13mm POLYTEC PANELS, COLOUR 275 CLASSIC GREY, STAINLESS STEEL PEDESTAL MOUNTS, SQUARE HEAD RAIL, OR APPROVED EQUIVALENT
DP	SUGGESTED DOWN PIPE LOCATION, AS PER HYDRAULIC SPECIFICATION
EDB	ELECTRICAL DISTRIBUTION BOARD - REFER TO ELECTRICAL ENGINEER'S DRAWINGS
EFA	EXHAUST FAN: FANTECH STYLVENT HV-300AE, IPX4 RATED, OR APPROVED EQUIVALENT, INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS
FC	FIBRE CEMENT EAVE SHEETING
FW	CHROME PLATED BRASS FLOOR WASTE 'SPS' OR APPROVED EQUIVALENT
GR-1	AMBULANT GRAB RAIL AS PER AS1428.1
HT	HOSE TAP FOR CLEANER
LDV1	LIGHT FITTING - REFER TO ELECTRICAL ENGINEER'S DRAWINGS
LDV2	LIGHT FITTING - EXTERNAL, REFER ELECTRICAL DRAWINGS FOR DETAIL
PIR-E	PASSIVE INFRARED MOVEMENT DETECTOR - REFER TO ELECTRICAL ENGINEER'S DRAWINGS
PIR-I	PASSIVE INFRARED MOVEMENT DETECTOR - REFER TO ELECTRICAL ENGINEER'S DRAWINGS
PTD	PAPER TOWEL DISPENSER - METLAM ML25SS OR APPROVED EQUIVALENT
SPD	SOAP DISPENSER
TPH	TOILET PAPER HOLDER ZONE TO AS1428.1
WC1	CAROMA 'SCHOOLS' SMART' CONCEALED TRAP TOILET SUITE WITH 4.5L DUAL FLUSH CISTERN OR APPROVED EQUIVALENT
WC3	CAROMA 'COSMO SOVEREIGN CARE' SUITE - COMPLETE WITH 'CONCORDE' CONCEALED TRAP PAN, 'SOVEREIGN SMARTFLUSH' DUAL FLUSH CISTERN AND 'CARAVELLE CARE' DOUBLE FLAP SEAT
WT-1	HAND WASH TROUGH - PW WALL SEND PATTERN, 304 STAINLESS STEEL, FULLY SUPPORTED FOR USE, 50mm CHROME PLATED VERTICAL OUTLET THROUGH FLOORING, SEALED LOCK NUT & COVERPLATE. INCLUDING ENWARE BUB223C TYPE 48 VANDAL PROOF PILLAR COCKS OR APPROVED EQUIVALENT.



SUGGESTED DOOR SIGNAGE
SCALE 1:20

FOR CONSTRUCTION

No	Revision	Note	Drawn	Job Manager	Project Director	Date
2	REVISED ENTRY DETAILS		HT	SM	SP	02.03.18
1	REVISED WALL TYPE, DIMENSIONS, PAPER TOWEL DISPENSER ADDED		KK	SM	SP	15.02.18
0	FOR CONSTRUCTION		HT	SM	SP	12.02.18



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E nrlmail@ghd.com W www.ghd.com

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Drawn	A.SHOEMARK	Designer	K.KNAUS
Drafting Check	E.WALLIS*	Design Check	R.ACKLAND*
Approved (Project Director)	S.PAGE*	Date	26.09.17
Scale	As indicated	This Drawing must not be used for Construction unless signed as Approved	

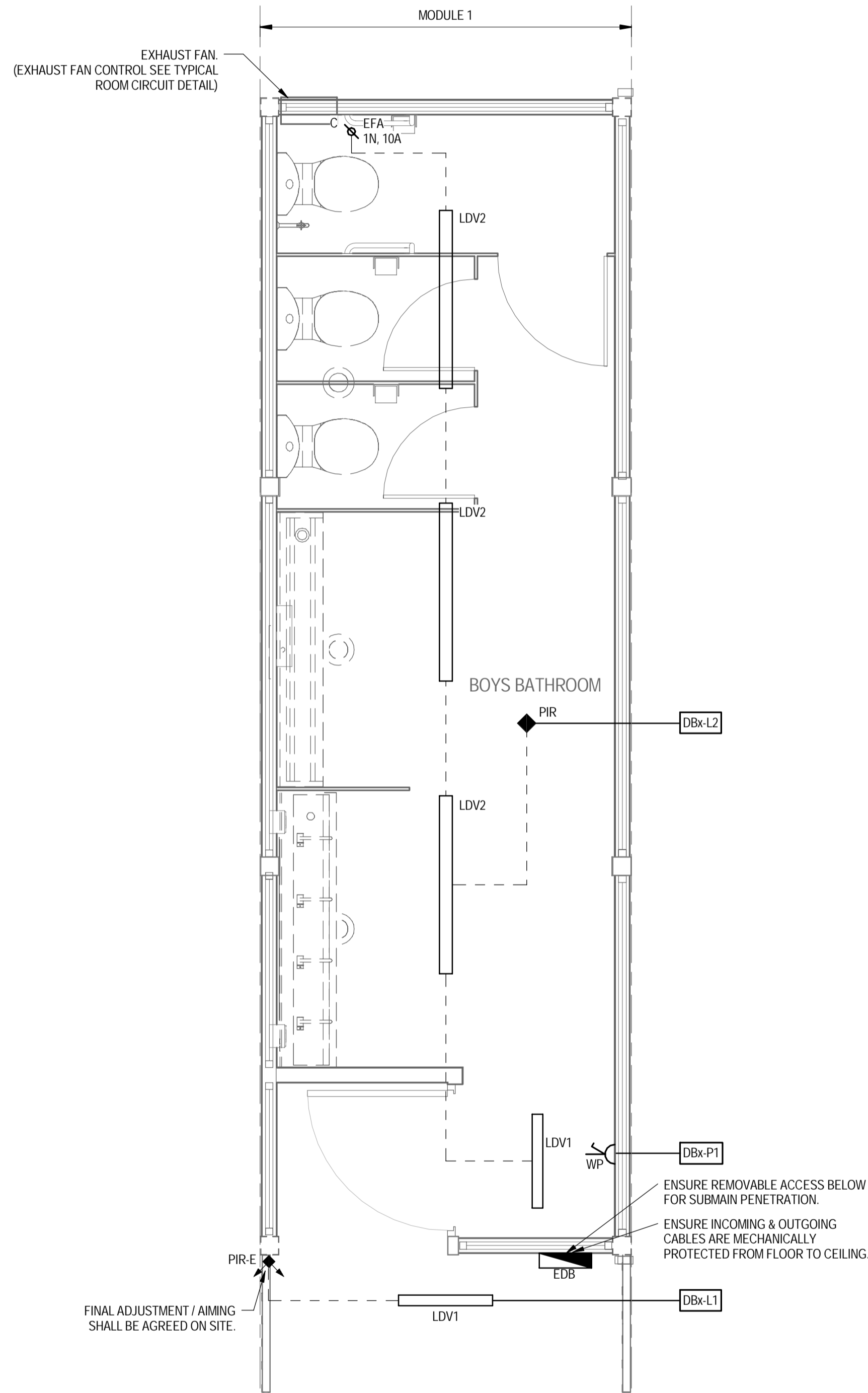
Client **DEPARTMENT OF EDUCATION**
Project **DEMOUNTABLE CLASSROOMS PROJECT**
Title **OS840 - 1 MODULE GIRLS TOILET FF&E AND REFLECTED CEILING PLANS**
Original Size **A1** Drawing No: **OS840.1** Rev: **2**

POWER & LIGHTING NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE OTHER DISCIPLINE DRAWINGS.
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5. THE ELECTRICAL INSTALLATION SHALL BE IN FULL COMPLIANCE WITH AS/NZS3000.

SINGLE LINE DIAGRAM NOTES:

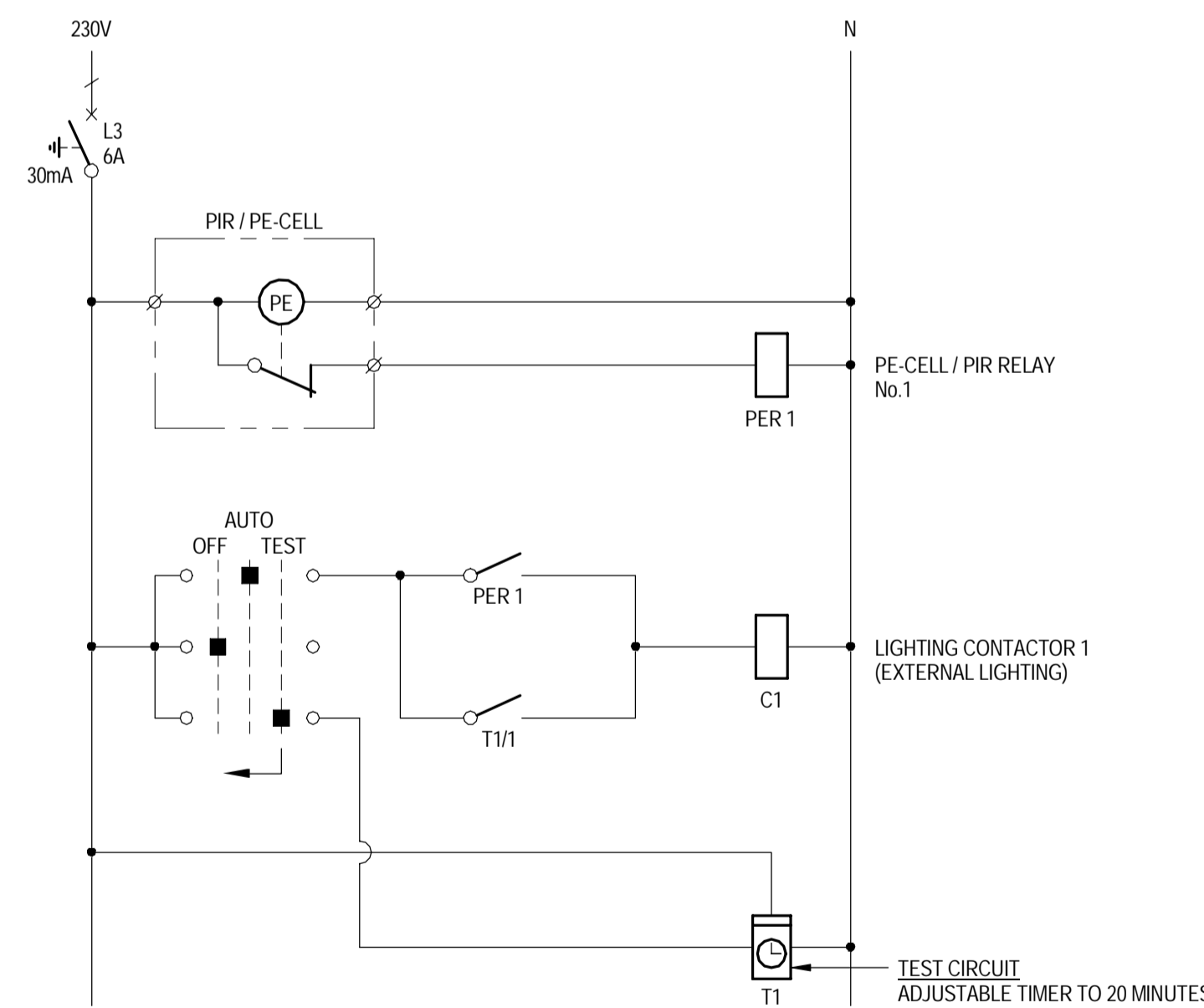
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4. PROVIDE A MAIN SWITCH IN ACCORDANCE WITH AS/NZS3000. WHERE THE FAULT LEVEL OF THE SITE IS UNKNOWN PROVIDE A CIRCUIT BREAKER IN PLACE OF AN ISOLATOR ENABLING CASCADING PROTECTION (FAULT CURRENT LIMITING) TO BE AFFORDED TO THE SWITCHBOARD (25KA MINIMUM) - OBTAIN MANUFACTURERS GUIDANCE / RECOMMENDATIONS. CONFIRM ON SITE FCL REQUIREMENTS BEFORE IMPLEMENTATION OF FINAL SCHEME.
5. ALL BREAKERS SHALL BE THE SAME MANUFACTURE AND SHALL BE AS MANUFACTURED BY NHP OR EQUAL AND APPROVED. THE MCBS SHALL BE 10KA RATED.
6. ENSURE DISCRIMINATION IS ACHIEVED WITH UPSTREAM AND DOWNSTREAM BREAKERS.
7. CONFIRM THE EARTHING ARRANGEMENTS ON SITE. ENSURE THE EARTHING INSTALLATION IS IN FULL COMPLIANCE WITH AS/NZS3000.
8. THE CONTRACTOR SHALL CHECK THE FINAL BREAKER ARRANGEMENT AND ENSURE CASCADING AND DISCRIMINATION IS ACHIEVED ADDITIONALLY THE ELECTRICAL INSTALLATION COMPLIES WITH AS/NZS3000.



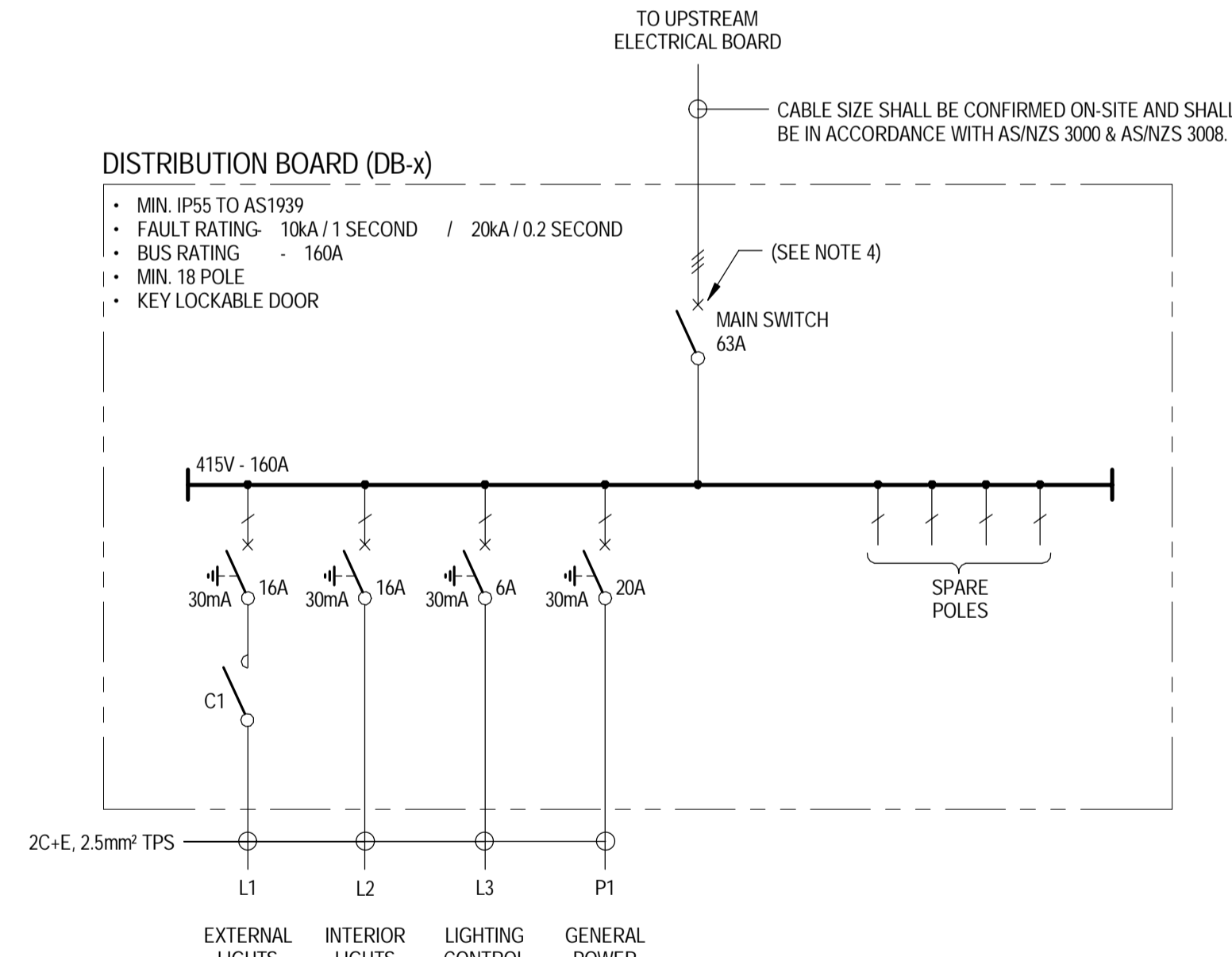
OS841 - POWER & LIGHTING LAYOUT
SCALE 1:25

LEGEND:

- DISTRIBUTION BOARD (18 POLE) @1400mm AFL, MIN. IP55 (LOCKABLE)
- PERMANENT CONNECTION, CEILING MOUNTED TO SUIT EQUIPMENT NOTED.
x DENOTES EQUIPMENT ABBREVIATION
y DENOTES RATING
EFA DENOTES EXHAUST FAN
- 10A TWIN SWITCH SOCKET OUTLET WEATHERPROOF MOUNTED AT @ 1000mm AFL (CLIPSAL INDUSTRIAL SERIES TYPE OR APPROVED EQUIVALENT)
- 19W LED IP65 SURFACE MOUNTED LUMINAIRE WITH VANDAL RESISTANT DIFFUSER (IK10) (PHILIPS VANDALITE WATERPROOF, BCW098 LED20/NW PSU L600 OR APPROVED EQUIVALENT)
- 38W LED IP65 SURFACE MOUNTED LUMINAIRE WITH VANDAL RESISTANT DIFFUSER (IK10) (PHILIPS VANDALITE WATERPROOF, BCW098 LED40/NW PSU L1200 OR APPROVED EQUIVALENT)
- 360° RECESSED PASSIVE INFRARED MOTION SENSOR TO LIGHTING CIRCUIT. (CLIPSAL INFRASCAN 753R OR APPROVED EQUIVALENT)
- 110° IP66 SURFACE MOUNT PASSIVE INFRARED MOTION SENSOR TO PE-CELL EXTERIOR LIGHTING TO CIRCUIT. (CLIPSAL IP66 INFRASCAN 3-WIRE OR APPROVED EQUIVALENT)
- SWITCH WIRE
- CIRCUIT
- CIRCUIT DESIGNATION

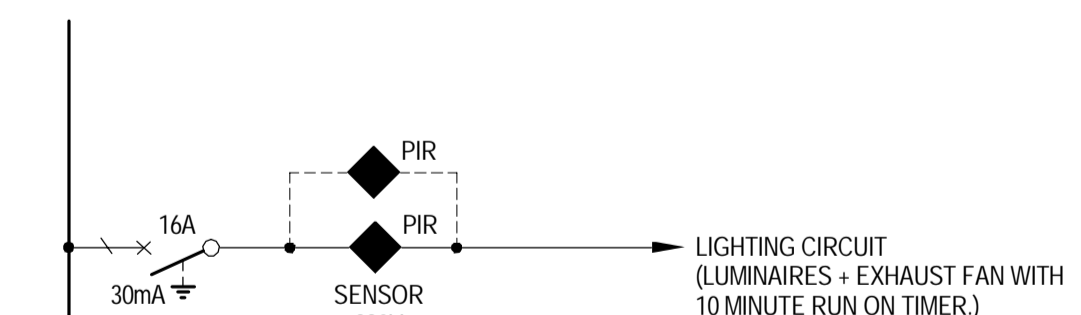


EXTERNAL LIGHTING - TYPICAL CONTROL DIAGRAM
NOT TO SCALE



DISTRIBUTION BOARD - SINGLE LINE DIAGRAM
NOT TO SCALE

- LEGEND:**
- 1 POLE (1 PHASE)
 - 3 POLE (3 PHASE)
 - MAIN SWITCH - MAIN BREAKER (SEE NOTE 4)
 - CIRCUIT BREAKER (RCD)
 - CONTACTOR AC2
 - RELAY COIL
 - CONTACT COIL
 - PIR / PE-CELL (CLIPSAL IP66 INFRASCAN 3-WIRE)
 - PASSIVE PRESENCE SENSOR (PIERLITE SMART SCAN)
 - PASSIVE INFRARED MOTION SENSOR (CLIPSAL INFRASCAN 753R)
 - LATCHING TIMER 1 CHANNEL (230V)



TYPICAL ROOM CIRCUIT DETAIL
NOT TO SCALE



FOR CONSTRUCTION

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
0	FOR CONSTRUCTION		BS	SM*	SP*	12.02.18

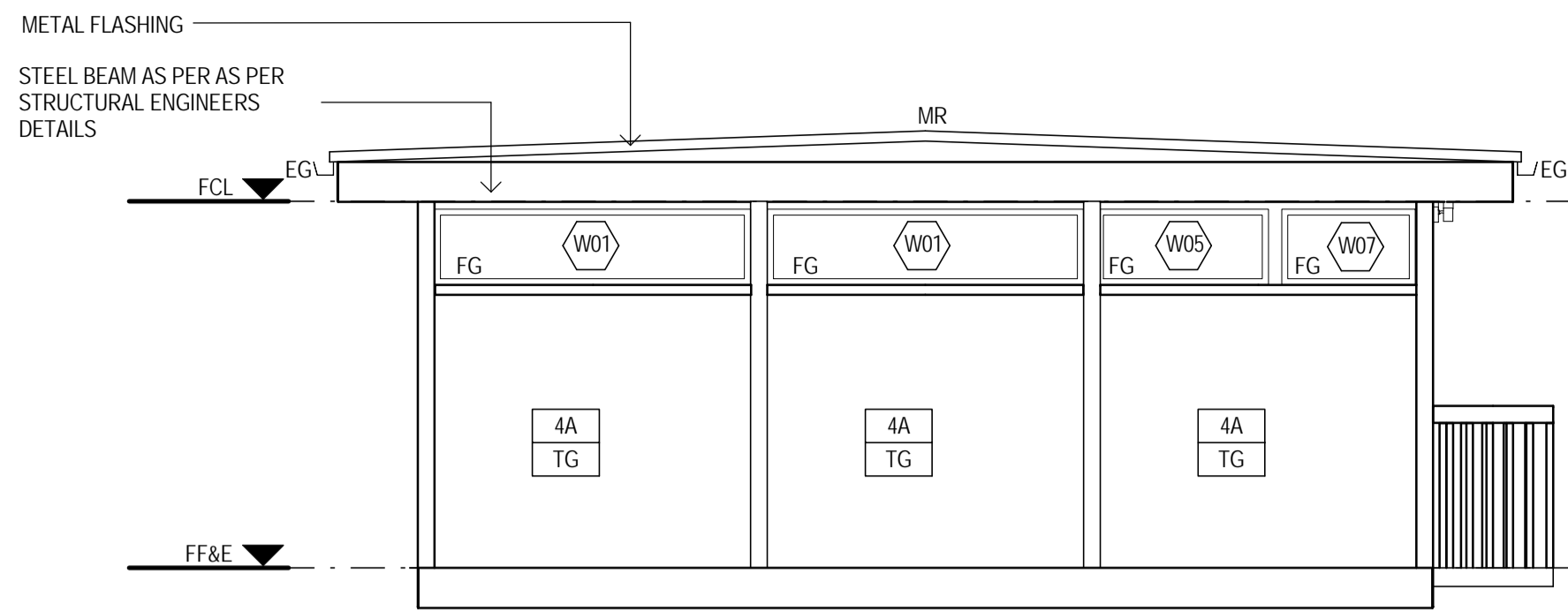


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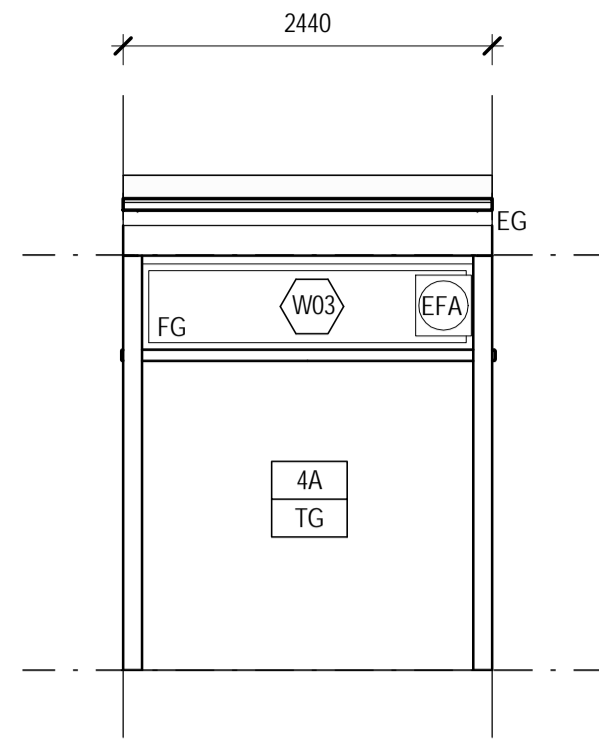


DO NOT SCALE	
Drawn	B.SNEESBY
Designer	K.HARKESS
Drafting Check	E.WALLIS*
Design Check	J.WOLSKI*
Approved (Project Director)	S.PAGE*
Date	12.02.18
Scale	As indicated

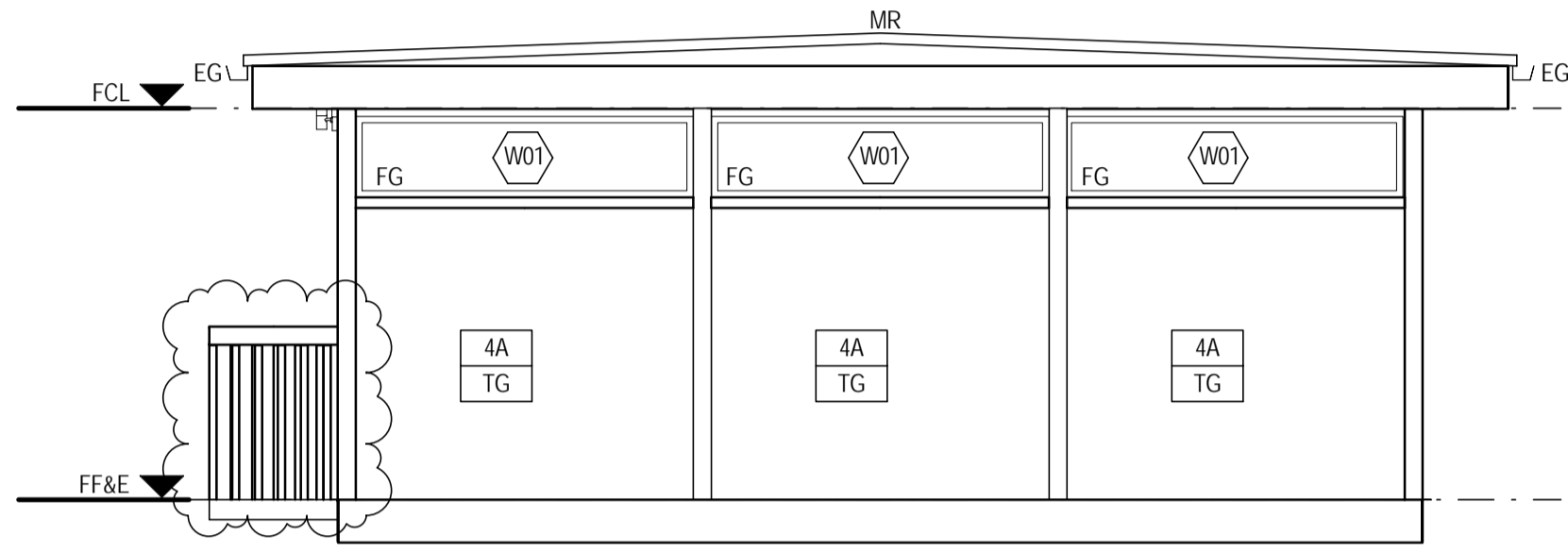
Client	DEPARTMENT OF EDUCATION
Project	DEMOUNTABLE CLASSROOMS PROJECT
Title	OS841 - 1 MODULE BOYS TOILET POWER & LIGHTING LAYOUT & SCHEMATICS
Original Size	A1
Drawing No:	OS841.3
Rev:	0



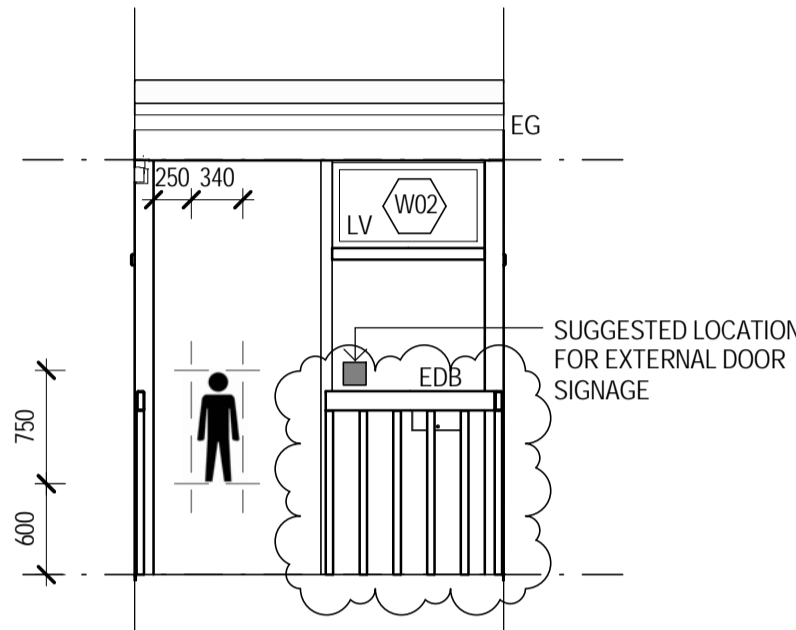
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OS841.1 SCALE 1:50



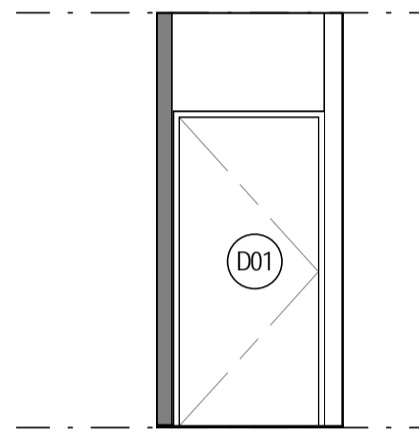
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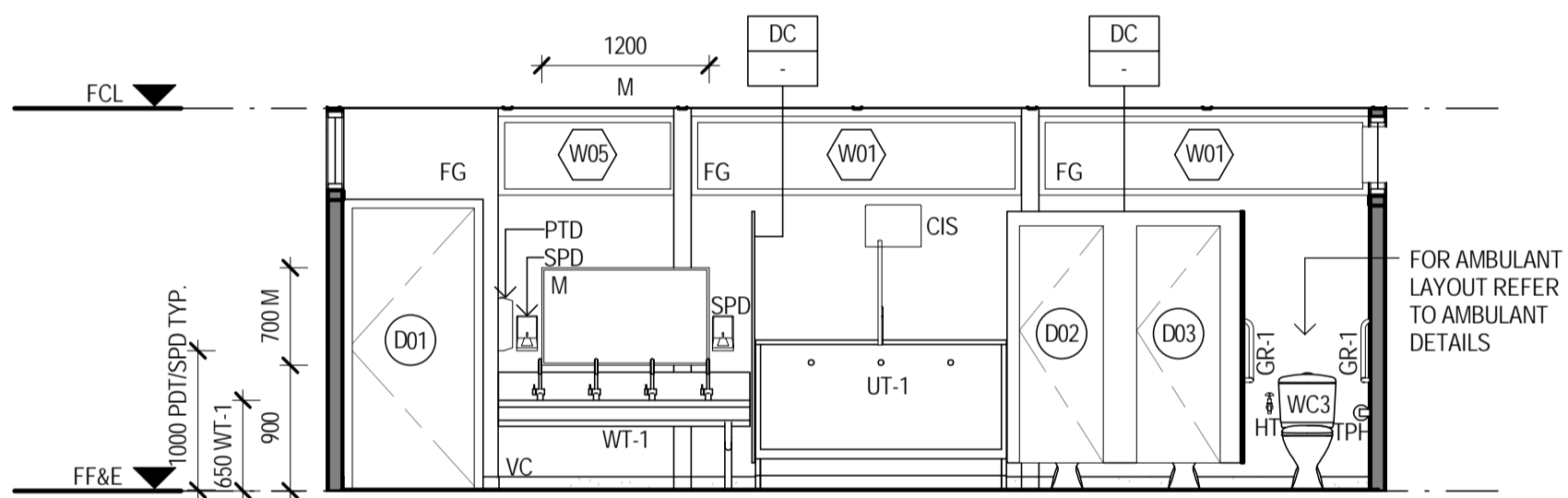
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OS841.1 SCALE 1:50



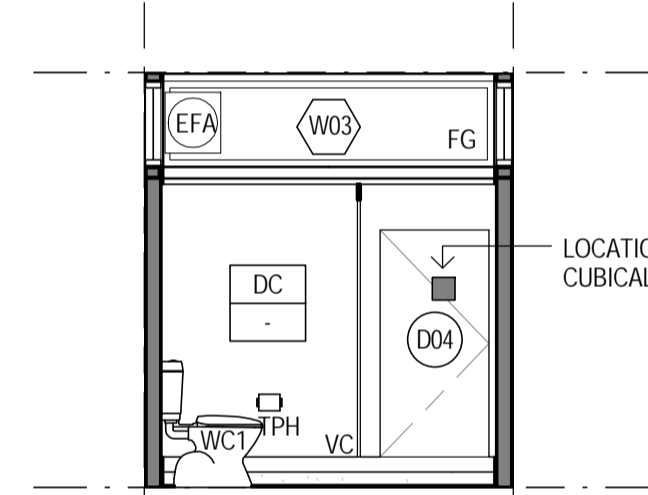
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OS841.1 SCALE 1:50



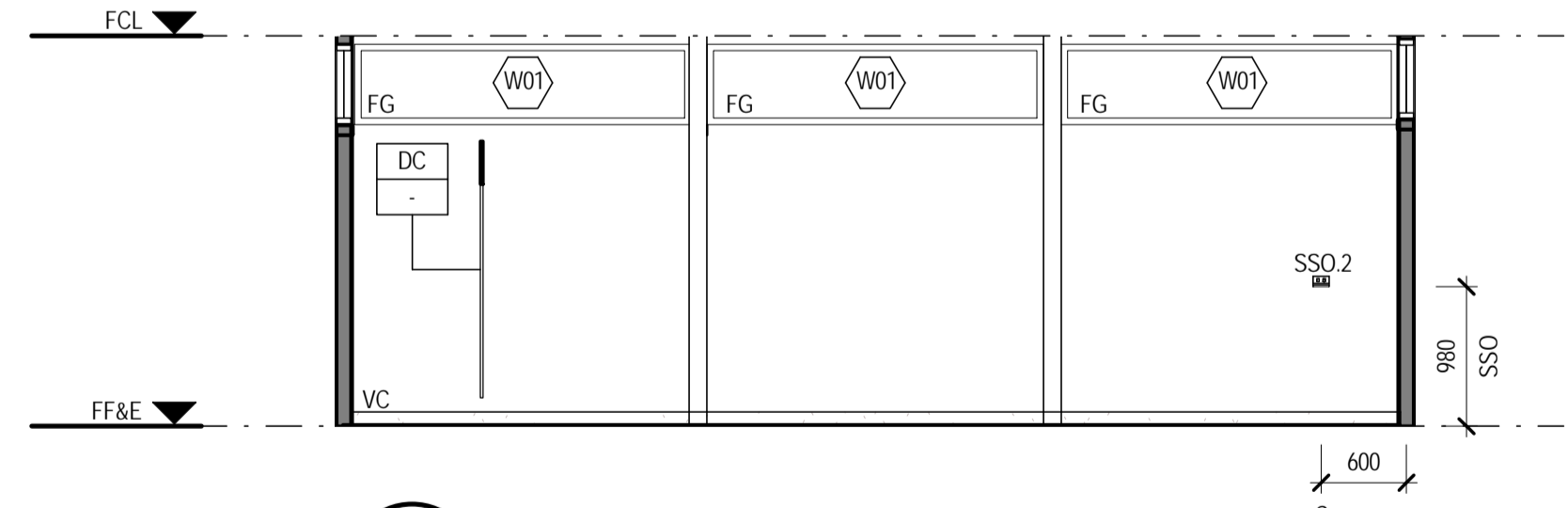
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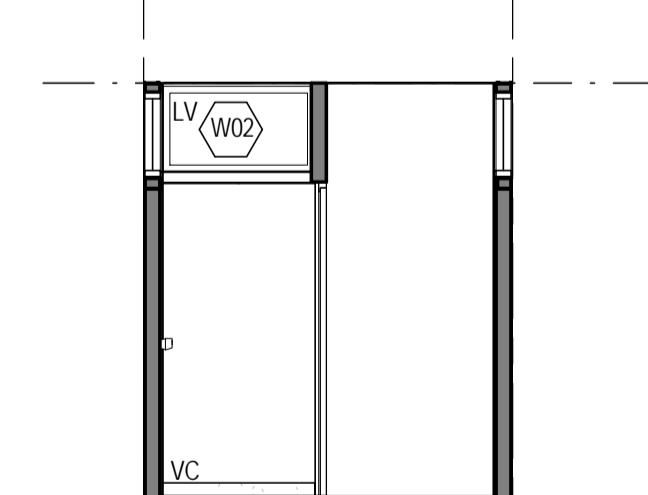
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OS841.1 SCALE 1:50



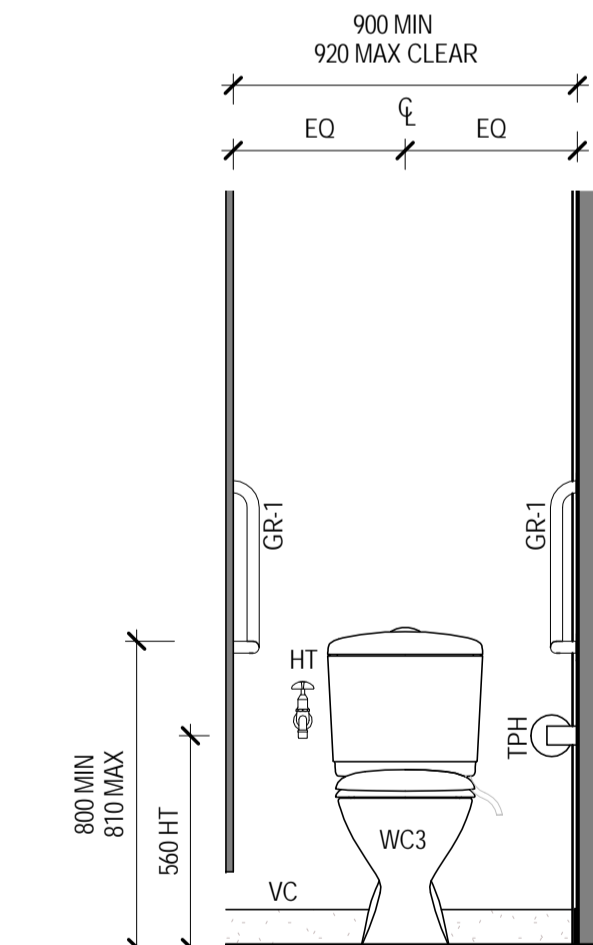
7 INTERNAL ELEVATION
OS841.1 SCALE 1:50



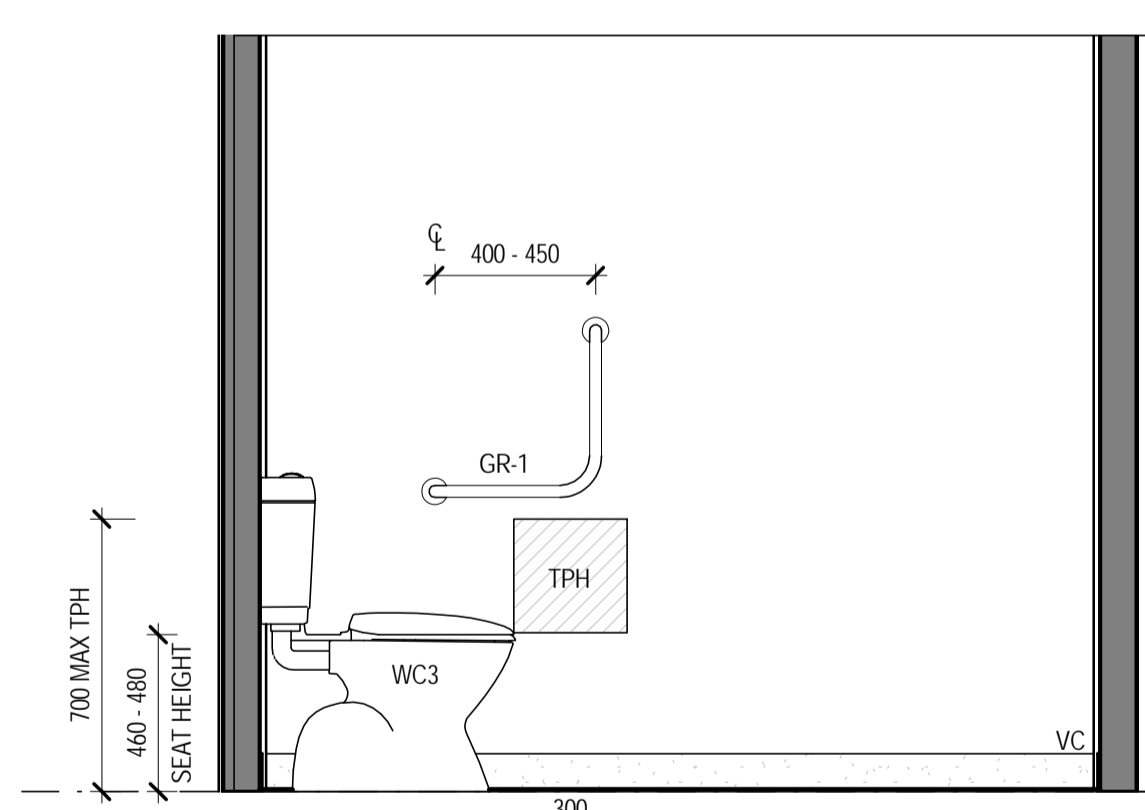
8 INTERNAL ELEVATION
OS841.1 SCALE 1:50



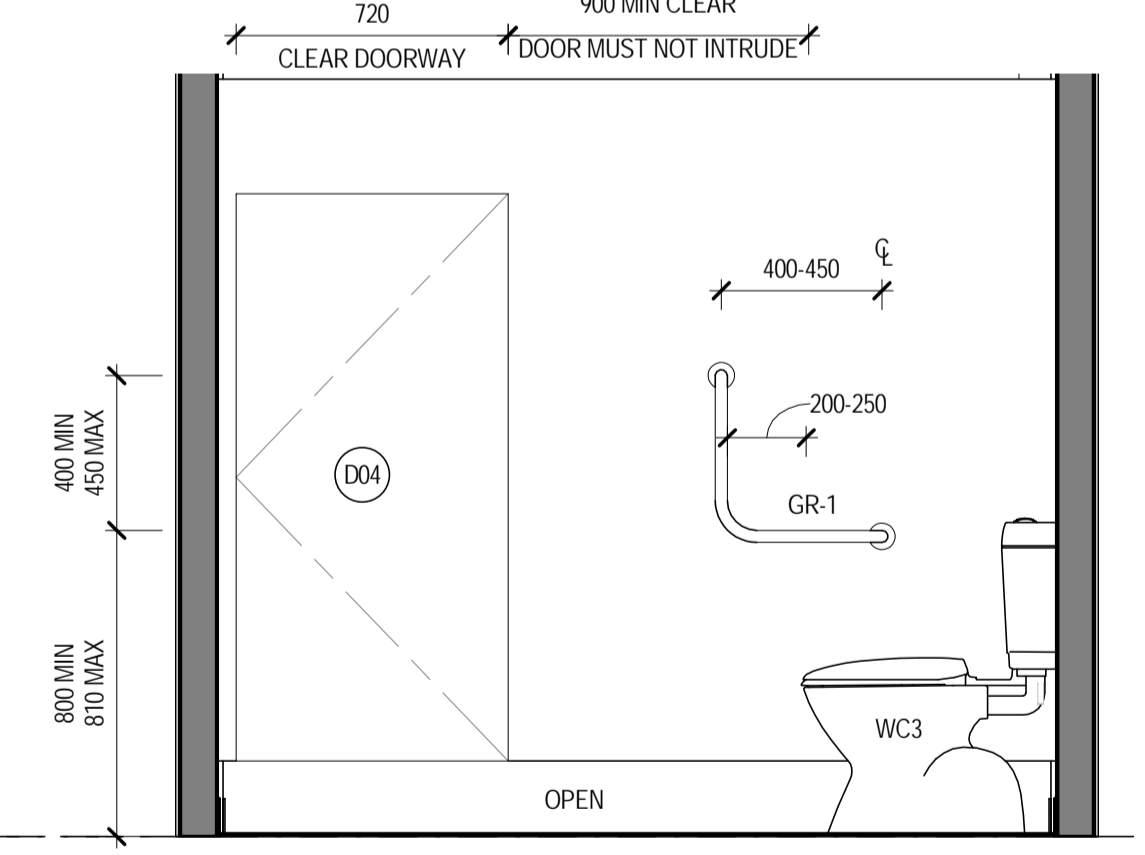
9 INTERNAL ELEVATION
OS841.1 SCALE 1:50



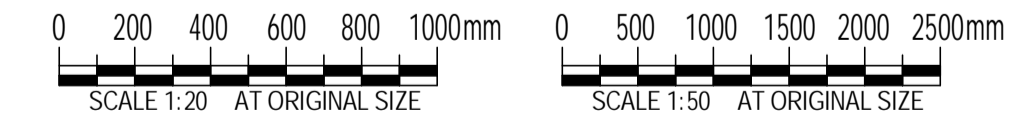
10 AMBULANT DETAIL 5
OS841.1 SCALE 1:20



11 AMBULANT DETAIL 6
OS841.1 SCALE 1:20



12 AMBULANT DETAIL 4
OS841.1 SCALE 1:20



WALL TYPES:

- XX ← WALL TYPE OPTION
- XX ← GLAZING OPTION

WALL TYPE DETAILS TO BE AS PER DRAWING A100

GLAZING LEGEND:

- CG - CLEAR GLAZING
- TG - FROSTED OR TRANSLUCENT GLAZING
- - NO GLAZING

NOTES:

- CONTRACTOR TO SUPPLY & INSTALL ALL ITEMS RELATED TO THIS DRAWING
- FOR ALL STRUCTURAL DETAILS, REFER TO THE STRUCTURAL ENGINEER'S DRAWINGS
- ALL SWITCHES ARE TO BE LABELED ACCORDING TO THEIR PURPOSE
- ALL ELECTRICAL SOCKET OUTLETS ARE TO BE NO LESS THAN 600mm ABOVE THE FINISHED FLOOR LEVEL. ALL ELECTRICAL SWITCHES ARE TO BE BETWEEN 900 & 1100mm ABOVE THE FINISHED FLOOR. ALL ELECTRICAL SWITCHES & OUTLETS ARE TO BE NO LESS THAN 500mm FOR AN ADJACENT WALL OR FIXED OBJECT
- ALL DIMENSIONS NOTED AS CLEAR REFER TO THE FINISHED FACE DIMENSIONS
- COLD WATER SUPPLY PIPEWORK AND SANITARY DRAINAGE WASTES TO BE INSTALLED IN ACCORDANCE WITH PROJECT/HYDRAULIC SPECIFICATION TO PROVIDE A FULLY FUNCTIONING COMPLIANT SYSTEM FIT FOR PURPOSE
- REFER TO THE PROJECT SPECIFICATION 01/71 GENERAL REQUIREMENTS, SECTION 2.1, FOR DETAILS OF THE ITEMS THAT ARE TO BE INSTALLED BY OTHERS
- JOINER STRIP TO BE APPLIED AFTER CARPET INSTALLATION. CONTRACTOR TO PROVIDE CARPETS, LINING, JOINER STRIP & ASSOCIATED FIXINGS. OTHERS TO INSTALL.

LEGEND	
CODE	DESCRIPTION
CIS	WALL MOUNTED 304 STAINLESS STEEL CISTERN INCLUDING NON CORROSIVE FLUSHING MECHANISM, VANDAL RESISTANT LID, SPARGE AND OVERFLOW PIPES. BRITEX PULL CHAIN CISTERN MODEL: FCP OR APPROVED EQUIVALENT
EDB	ELECTRICAL DISTRIBUTION BOARD - REFER TO ELECTRICAL ENGINEER'S DRAWINGS
EFA	EXHAUST FAN: FANTECH STYLVENT HV-300AE, IPX4 RATED, OR APPROVED EQUIVALENT, INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS
EG	EAVES GUTTER - REFER TO TYPICAL DETAILS A120
FG	FIXED GLAZING - AS PER ARCHITECTURAL SPECIFICATIONS
GR-1	AMBULANT GRAB RAIL AS PER AS1428.1
HT	HOSE TAP FOR CLEANER
LV	GLAZED OPERABLE LOUVRES
M	MIRROR
MR	METAL ROOF SHEETING AS PER ARCHITECTURAL SPECIFICATIONS
PTD	PAPER TOWEL DISPENSER - METLAM ML725SS OR APPROVED EQUIVALENT
SPD	SOAP DISPENSER
SSO.2	SWITCHED SOCKET OUTLET WEATHER PROTECTED - REFER TO ELECTRICAL ENGINEER'S DRAWINGS
TPH	TOILET PAPER HOLDER ZONE TO AS1428.1
UT-1	LOW FLUSH URINAL TROUGH - 304 STAINLESS STEEL, FULLY SUPPORTED FOR USE, COVERED VINYL FLOORING TO FRONT, BRITEX 'WATERSAVING URINAL' MODEL: UES-LF-1829-T WITH TOP ENTRY FLUSH PIPE OR APPROVED EQUIVALENT
VC	COVERED VINYL SKIRTING
WC1	CAROMA 'SCHOOLS' SMART CONCEALED TRAP TOILET SUITE WITH 4.5L DUAL FLUSH CISTERN OR APPROVED EQUIVALENT
WC3	CAROMA 'COSMO SOVEREIGN CARE' SUITE - COMPLETE WITH 'CONCORDE' CONCEALED TRAP PAN, 'SOVEREIGN SMARTFLUSH' DUAL FLUSH CISTERN AND 'CARAVELLE CARE' DOUBLE FLAP SEAT
WT-1	HAND WASH TROUGH - PW WALL SEND PATTERN, 304 STAINLESS STEEL, FULLY SUPPORTED FOR USE, 50mm CHROME PLATED VERTICAL OUTLET THROUGH FLOORING, SEALED LOCK NUT & COVERPLATE, INCLUDING ENWARE BUB223C TYPE-48 VANDAL PROOF PILLAR COCKS OR APPROVED EQUIVALENT.

WINDOW SCHEDULE BOYS							
ID	NO.	WIDTH	HEIG HT	ACTION	FRAME TYPE	GLAZING TYPE	COMMENTS
01	5	2366	565	FIXED	CLEAR ANODISED ALUMINIUM	50% TRANSLUCENT/FROSTED	FURTHER WINDOW PERFORMANCE DETAILS AS PER THE SPECIFICATION
02	1	1000	565	OPERABLE LOUVRE	CLEAR ANODISED ALUMINIUM	50% TRANSLUCENT/FROSTED	FURTHER WINDOW PERFORMANCE DETAILS AS PER THE SPECIFICATION
03	1	2190	565	FIXED	CLEAR ANODISED ALUMINIUM	50% TRANSLUCENT/FROSTED	FURTHER WINDOW PERFORMANCE DETAILS AS PER THE SPECIFICATION
05	1	1280	565	FIXED	CLEAR ANODISED ALUMINIUM	50% TRANSLUCENT/FROSTED	FURTHER WINDOW PERFORMANCE DETAILS AS PER THE SPECIFICATION

DOOR SCHEDULE BOYS					
DOOR NO.	FRAME TYPE	FRAME FINISH	LEAF SIZE	LOCKSET FUNCTION	COMMENTS
01	STEEL FRAME	PAINT FINISH	40 x 920 x 2040	KEY LOCKABLE TO EFGS GUIDELINES WITH HANDLE HARDWARE	TYPICAL EXTERNAL DOOR HARDWARE AND SEALS AS PER SPECIFICATION
02	PROPRIETARY SYSTEM WITH LIFT OFF HINGES	PROPRIETARY SYSTEM	19 x 600 x 1700	PROPRIETARY STANDARD HARDWARE: BUMPER, COAT HOOK, HINGES, INDICATORS	DURACUBE 3000 SERIES, 13MM POLYTEC PANELS, COLOUR 275 CLASSIC GREY, STAINLESS STEEL PEDESTAL MOUNTS, SQUARE HEAD RAIL, OR APPROVED EQUIVALENT
03	PROPRIETARY SYSTEM WITH LIFT OFF HINGES	PROPRIETARY SYSTEM	19 x 600 x 1700	PROPRIETARY STANDARD HARDWARE: BUMPER, COAT HOOK, HINGES, INDICATORS	DURACUBE 3000 SERIES, 13MM POLYTEC PANELS, COLOUR 275 CLASSIC GREY, STAINLESS STEEL PEDESTAL MOUNTS, SQUARE HEAD RAIL, OR APPROVED EQUIVALENT
04	PROPRIETARY SYSTEM WITH LIFT OFF HINGES	PROPRIETARY SYSTEM	19 x 720 x 1700	PROPRIETARY AMBULANT HARDWARE TO COMPLY WITH AS1428.1. AMBULANT LOCK, BUMPER, D-HANDLE, COAT HOOK.	DURACUBE 3000 SERIES, 13MM POLYTEC PANELS, COLOUR 275 CLASSIC GREY, STAINLESS STEEL PEDESTAL MOUNTS, SQUARE HEAD RAIL, OR APPROVED EQUIVALENT

No	Revision	Note	Drawn	Job Manager	Project Director	Date
2	REVISED ENTRY DETAILS		HT	SM	SP	02.03.18
1	REVISED WALL TYPE, DIMENSIONS, PAPER TOWEL DISPENSER ADDED		KK	SM	SP	15.02.18
0	FOR CONSTRUCTION		HT	SM	SP	12.02.18



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DO NOT SCALE

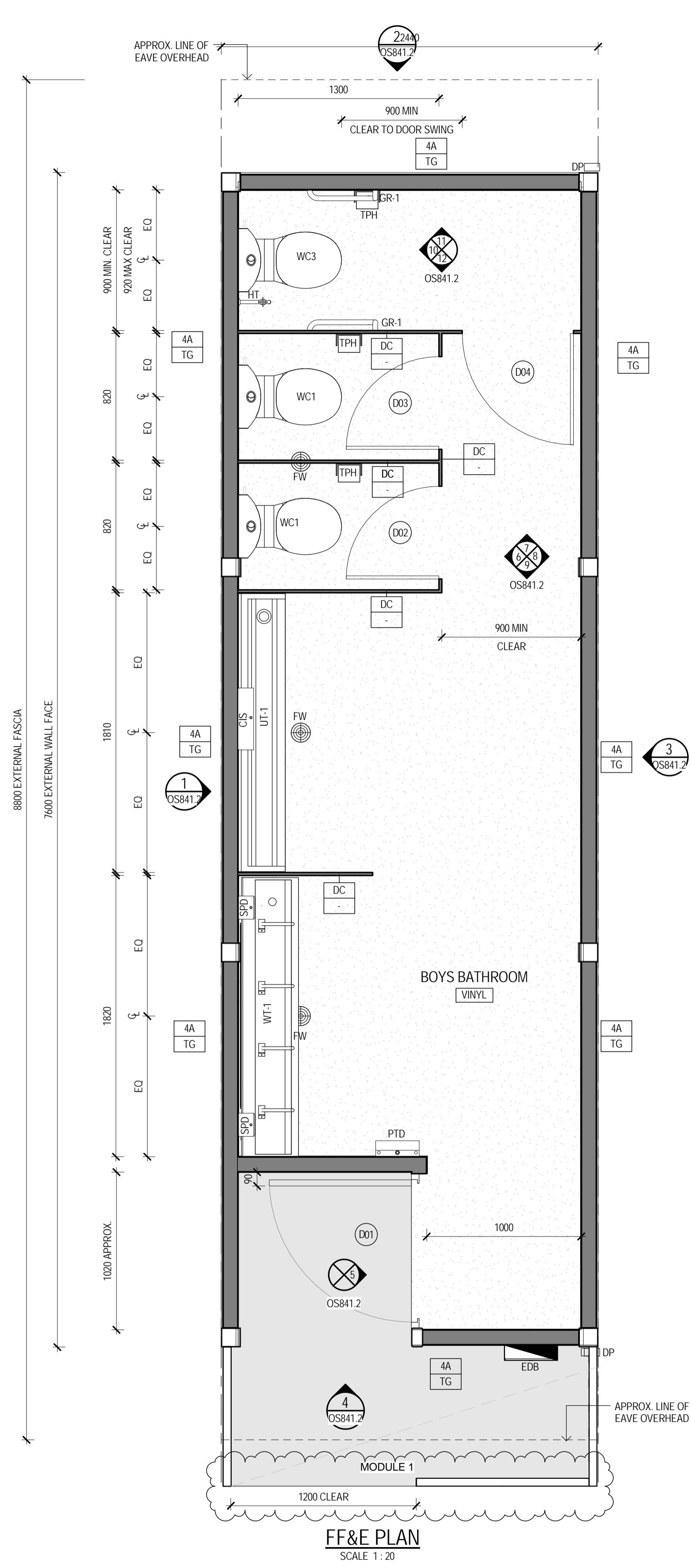
Drawn E.HEATON Designer K. KNAUS
Drafting Check E.WALLIS* Design Check R.ACKLAND*
Approved (Project Director) S.PAGE*
Date 26.09.17
Scale As indicated This Drawing must not be used for Construction unless signed as Approved

Client **DEPARTMENT OF EDUCATION**
Project **DEMOUNTABLE CLASSROOMS PROJECT**
Title **OS841 - 1 MODULE BOYS TOILET INTERNAL ELEVATIONS**

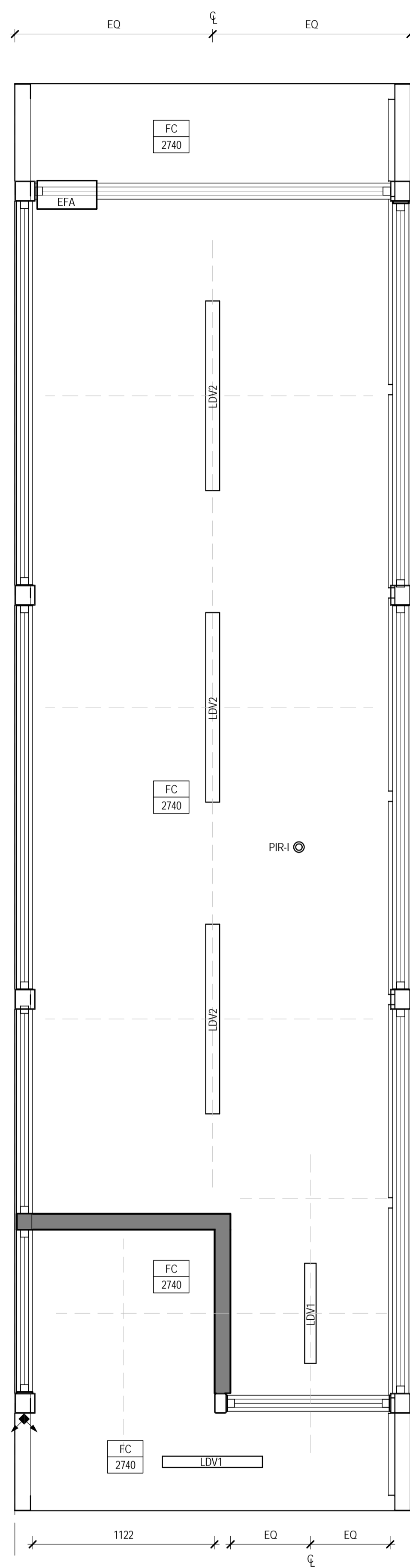
Original Size A1 Drawing No: **OS841.2**

Rev: **2**

FOR CONSTRUCTION



FF&E PLAN
SCALE 1:20



REFLECTED CEILING PLAN
SCALE 1:20

WALL TYPES:

- XX ← WALL TYPE OPTION
- XX ← GLAZING OPTION

WALL TYPE DETAILS TO BE AS PER DRAWING A100

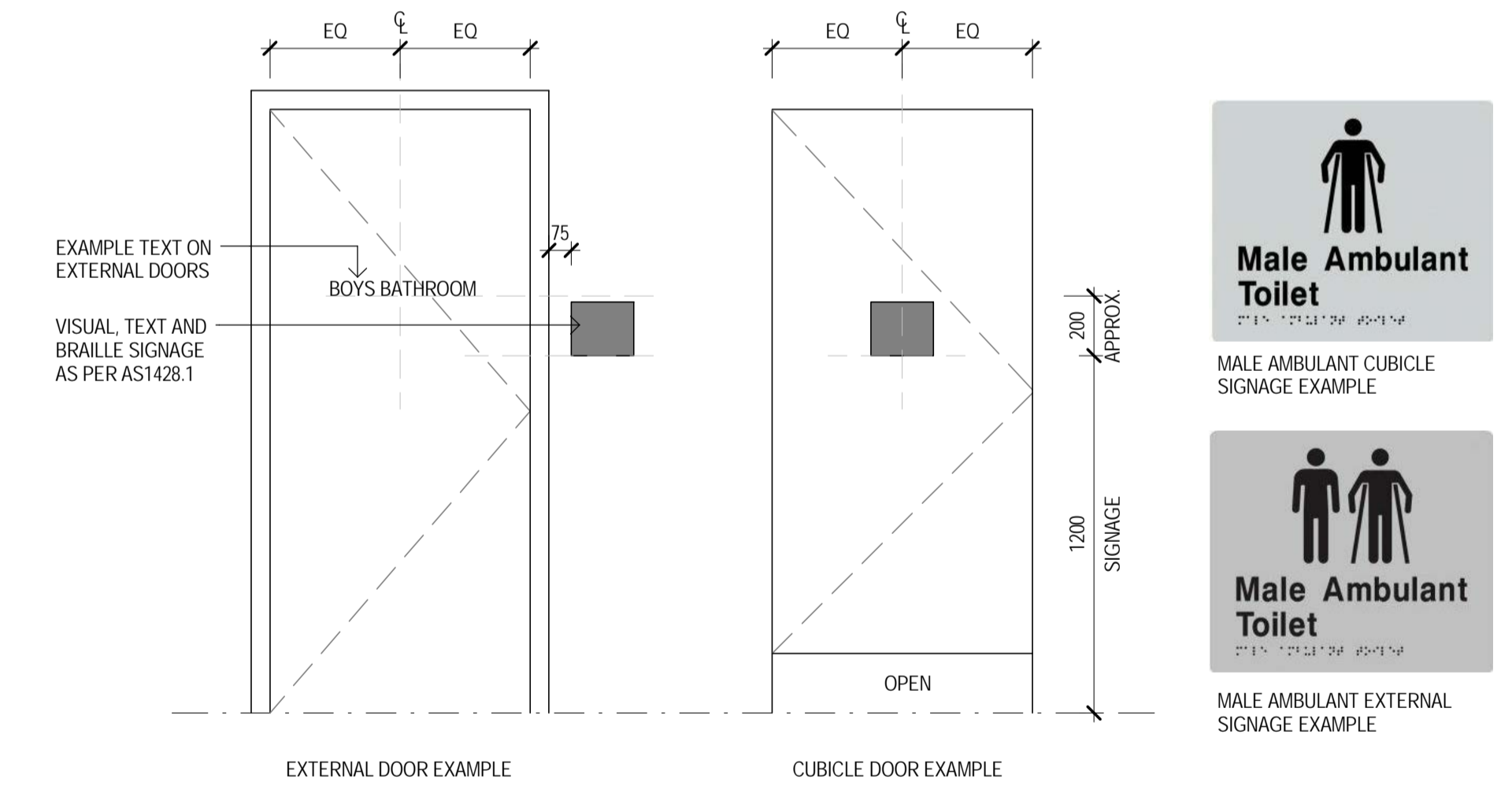
GLAZING LEGEND:

- CG - CLEAR GLAZING
- TG - FROSTED OR TRANSLUCENT GLAZING
- - NO GLAZING

NOTES:

- CONTRACTOR TO SUPPLY & INSTALL ALL ITEMS RELATED TO THIS DRAWING
- FOR ALL STRUCTURAL DETAILS, REFER TO THE STRUCTURAL ENGINEER'S DRAWINGS
- ALL SWITCHES ARE TO BE LABELED ACCORDING TO THEIR PURPOSE
- ALL ELECTRICAL SOCKET OUTLETS ARE TO BE NO LESS THAN 600mm ABOVE THE FINISHED FLOOR LEVEL. ALL ELECTRICAL SWITCHES ARE TO BE BETWEEN 900 & 1100mm ABOVE THE FINISHED FLOOR. ALL ELECTRICAL SWITCHES & OUTLETS ARE TO BE NO LESS THAN 500mm FOR AN ADJACENT WALL OR FIXED OBJECT
- ALL DIMENSIONS NOTED AS CLEAR REFER TO THE FINISHED FACE DIMENSIONS
- COLD WATER SUPPLY PIPEWORK AND SANITARY DRAINAGE WASTES TO BE INSTALLED IN ACCORDANCE WITH PROJECT HYDRAULIC SPECIFICATION TO PROVIDE A FULLY FUNCTIONING COMPLIANT SYSTEM FIT FOR PURPOSE
- REFER TO THE PROJECT SPECIFICATION 0171 GENERAL REQUIREMENTS, SECTION 2.1, FOR DETAILS OF THE ITEMS THAT ARE TO BE INSTALLED BY OTHERS
- JOINER STRIP TO BE APPLIED AFTER CARPET INSTALLATION. CONTRACTOR TO PROVIDE CARPETS, LINING, JOINER STRIP & ASSOCIATED FIXINGS. OTHERS TO INSTALL.

LEGEND	
CODE	DESCRIPTION
CIS	WALL MOUNTED 304 STAINLESS STEEL CISTERN INCLUDING NON CORROSIVE FLUSHING MECHANISM, VANDAL RESISTANT LID, SPARGE AND OVERFLOW PIPES. BRITEX 'PULL CHAIN CISTERN' MODEL: FCP OR APPROVED EQUIVALENT
DC	DURACUBE 3000 SERIES, 13mm POLYTEC PANELS, COLOUR 275 CLASSIC GREY, STAINLESS STEEL PEDESTAL MOUNTS, SQUARE HEAD RAIL, OR APPROVED EQUIVALENT
DP	SUGGESTED DOWN PIPE LOCATION, AS PER HYDRAULIC SPECIFICATION
EDB	ELECTRICAL DISTRIBUTION BOARD - REFER TO ELECTRICAL ENGINEER'S DRAWINGS
EFA	EXHAUST FAN: FANTECH STYLVENT HV-300AE, IPX4 RATED, OR APPROVED EQUIVALENT, INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS
FC	FIBRE CEMENT EAVE SHEETING
FW	CHROME PLATED BRASS FLOOR WASTE 'SPS' OR APPROVED EQUIVALENT
GR-1	AMBULANT GRAB RAIL AS PER AS1428.1
HT	HOSE TAP FOR CLEANER
LDV1	LIGHT FITTING - REFER TO ELECTRICAL ENGINEER'S DRAWINGS
LDV2	LIGHT FITTING - EXTERNAL, REFER ELECTRICAL DRAWINGS FOR DETAIL
PIR-E	PASSIVE INFRARED MOVEMENT DETECTOR - REFER TO ELECTRICAL ENGINEER'S DRAWINGS
PIR-I	PASSIVE INFRARED MOVEMENT DETECTOR - REFER TO ELECTRICAL ENGINEER'S DRAWINGS
PTD	PAPER TOWEL DISPENSER - METLAM MLJ25SS OR APPROVED EQUIVALENT
SPD	SOAP DISPENSER
TPH	TOILET PAPER HOLDER ZONE TO AS1428.1
UT-1	LOW FLUSH URINAL TROUGH - 304 STAINLESS STEEL, FULLY SUPPORTED FOR USE, COVERED VINYL FLOORING TO FRONT BRITEX 'WATERSAVING URINAL' MODEL: UES-LF-1829-T WITH TOP ENTRY FLUSH PIPE OR APPROVED EQUIVALENT
WC1	CAROMA 'SCHOOLS' SMART' CONCEALED TRAP TOILET SUITE WITH 4.5L DUAL FLUSH CISTERN OR APPROVED EQUIVALENT
WC3	CAROMA 'COSMO SOVEREIGN CARE' SUITE - COMPLETE WITH 'CONCORDE' CONCEALED TRAP PAN, 'SOVEREIGN SMARTFLUSH' DUAL FLUSH CISTERN AND 'CARAVELLE CARE' DOUBLE FLAP SEAT
WT-1	HAND WASH TROUGH - PW WALL SEND PATTERN, 304 STAINLESS STEEL, FULLY SUPPORTED FOR USE, 50mm CHROME PLATED VERTICAL OUTLET THROUGH FLOORING, SEALED LOCK NUT & COVERPLATE, INCLUDING ENWARE BUB223C TYPE-48 VANDAL PROOF PILLAR COCKS OR APPROVED EQUIVALENT



SUGGESTED DOOR SIGNAGE
SCALE 1:20

FOR CONSTRUCTION

No	Revision	Note	Drawn	Job Manager	Project Director	Date
2	REVISED ENTRY DETAILS		HT	SM	SP	02.03.18
1	REVISED WALL TYPE, DIMENSIONS, PAPER TOWEL DISPENSER ADDED		KK	SM	SP	15.02.18
0	FOR CONSTRUCTION		HT	SM	SP	12.02.18



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DO NOT SCALE

Drawn	E.HEATON	Designer	K. KNAUS
Drafting Check	E.WALLIS*	Design Check	R.ACKLAND*
Approved (Project Director)	S.PAGE*	Date	26.09.17
Scale	As indicated	This Drawing must not be used for Construction unless signed as Approved	

Client **DEPARTMENT OF EDUCATION**
Project **DEMOUNTABLE CLASSROOMS PROJECT**
Title **OS841 - 1 MODULE BOYS TOILET**
FF&E AND REFLECTED CEILING PLANS
Original Size **A1** Drawing No: **OS841.1** Rev: **2**

POWER & LIGHTING NOTES:

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFIED DRAWING.
- ALL EQUIPMENT SHALL BE INSTALLED TO THEIR MANUFACTURERS LITERATURE AND THEIR RECOMMENDATIONS SHALL BE ADHERED TO.
- ALL EQUIPMENT IS NEW.
- REFER TO THE ARCHITECT'S DRAWINGS FOR THE SET OUT AND MOUNTING HEIGHTS OF ALL ACCESSORIES AND EQUIPMENT. NOTE - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE LOCATIONS COMPLY WITH AS/NZS3000.
- THE ELECTRICAL INSTALLATION SHALL BE IN FULL COMPLIANCE WITH AS/NZS3000.

LEGEND:

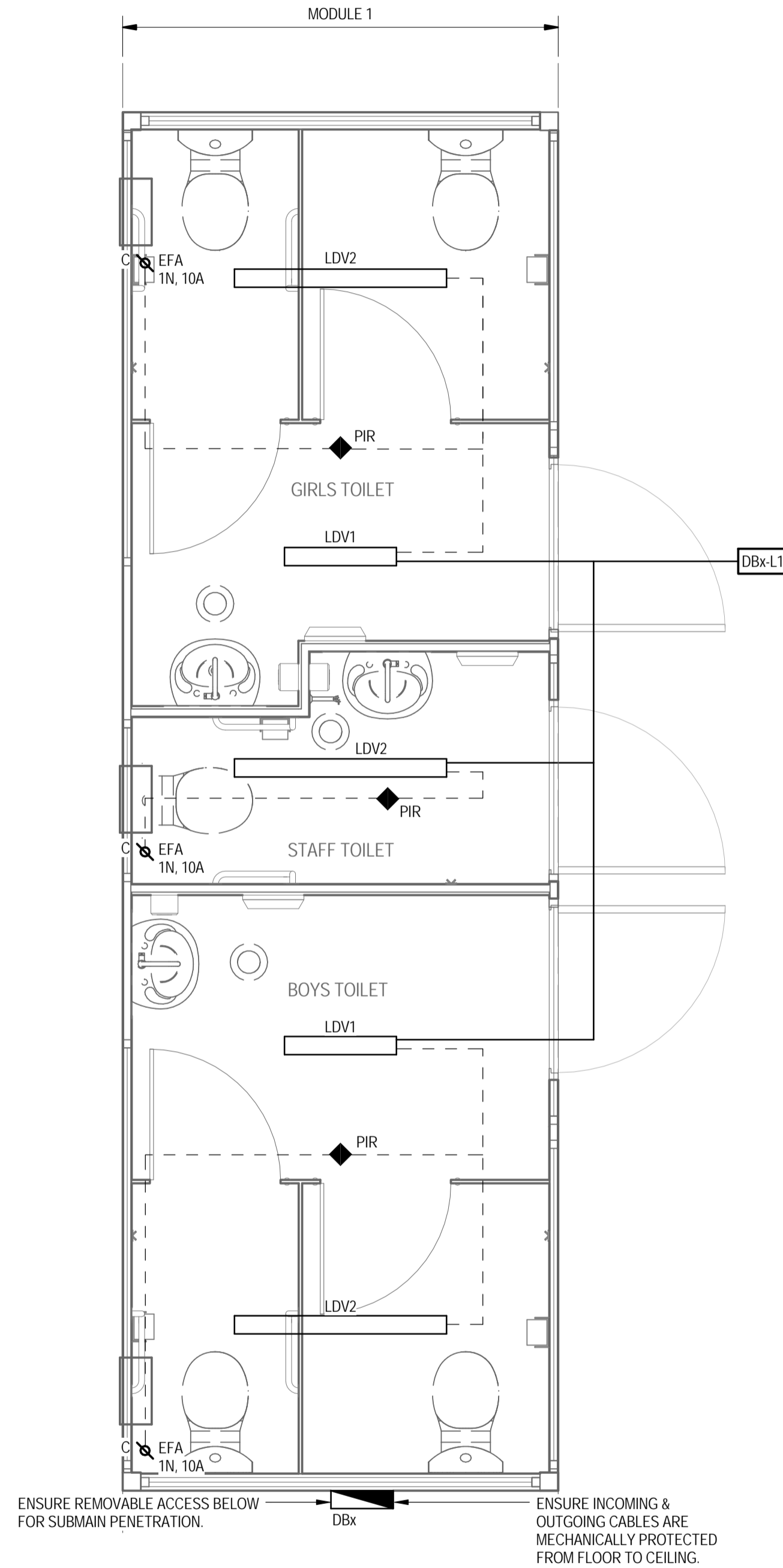
- DISTRIBUTION BOARD (18 POLE) @1400mm AFL, MIN. IP55 (LOCKABLE)
- PERMANENT CONNECTION, CEILING MOUNTED TO SUIT EQUIPMENT NOTED.
 - x DENOTES 'EQUIPMENT ABBREVIATION'
 - y DENOTES 'RATING'
 - EFA DENOTES 'EXHAUST FAN'
- 19W LED IP65 SURFACE MOUNTED LUMINAIRE WITH VANDAL RESISTANT DIFFUSER (IK10). (PHILIPS VANDALITE WATERPROOF, BCW098 LED20NW PSU L600 OR APPROVED EQUIVALENT)
- 38W LED IP65 SURFACE MOUNTED LUMINAIRE WITH VANDAL RESISTANT DIFFUSER (IK10). (PHILIPS VANDALITE WATERPROOF, BCW098 LED40NW PSU L1200 OR APPROVED EQUIVALENT)
- 360° RECESSED PASSIVE INFRARED MOTION SENSOR TO LIGHTING CIRCUIT. (CLIPSAL INFRASCAN 753R OR APPROVED EQUIVALENT)
- SWITCH WIRE
- CIRCUIT
- CIRCUIT DESIGNATION

SINGLE LINE DIAGRAM NOTES:

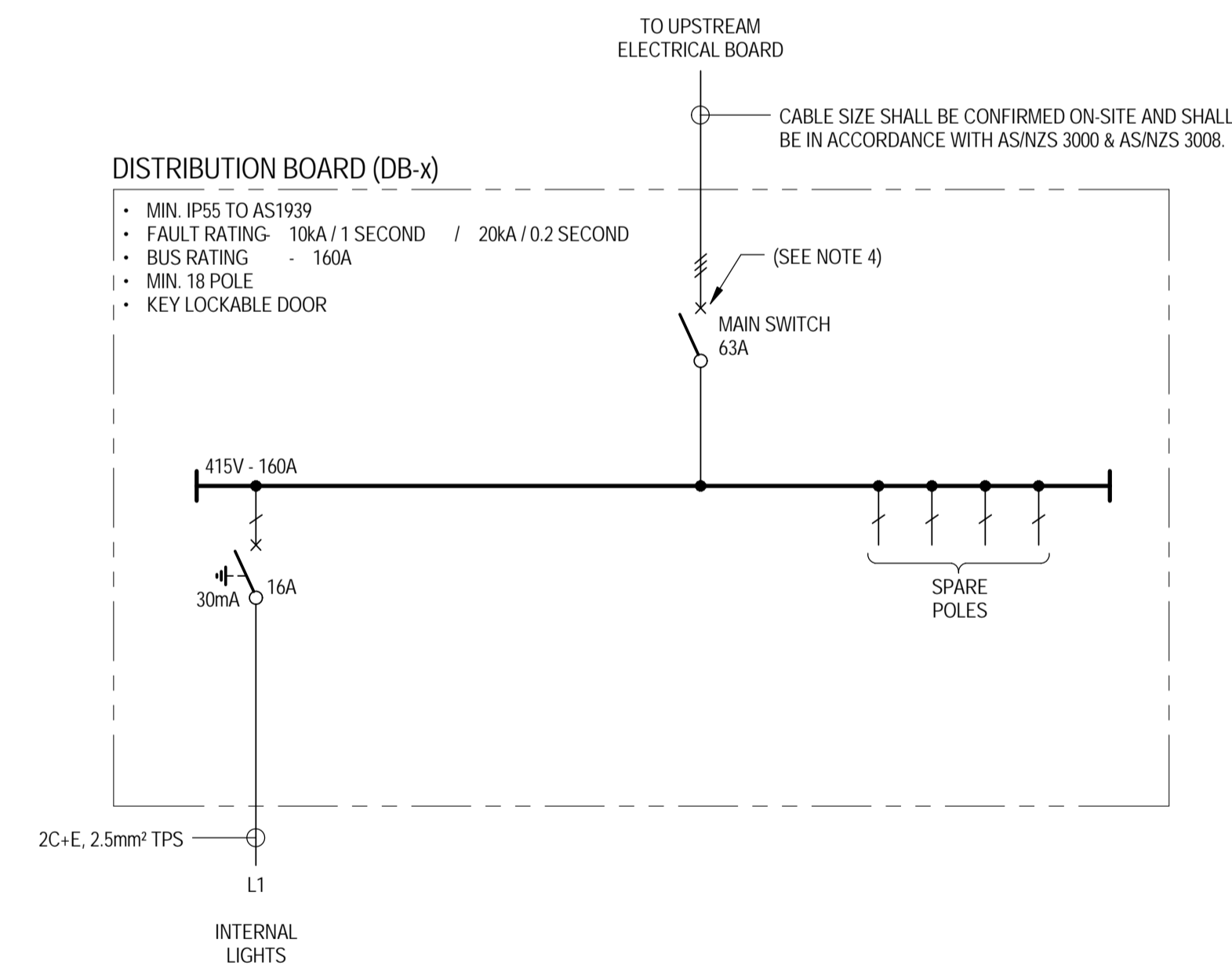
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION DRAWING.
- ALL EQUIPMENT SHALL BE INSTALLED TO THEIR MANUFACTURERS LITERATURE AND THEIR RECOMMENDATIONS SHALL BE ADHERED TO.
- ALL EQUIPMENT IS NEW.
- PROVIDE A MAIN SWITCH IN ACCORDANCE WITH AS/NZS3000. WHERE THE FAULT LEVEL OF THE SITE IS UNKNOWN PROVIDE A CIRCUIT BREAKER IN PLACE OF AN ISOLATOR ENABLING CASCADING PROTECTION (FAULT CURRENT LIMITING) TO BE AFFORDED TO THE SWITCHBOARD (25KA MINIMUM) - OBTAIN MANUFACTURERS GUIDANCE / RECOMMENDATIONS. CONFIRM ON SITE FCL REQUIREMENTS BEFORE IMPLEMENTATION OF FINAL SCHEME.
- ALL BREAKERS SHALL BE THE SAME MANUFACTURE AND SHALL BE AS MANUFACTURED BY NIP OR EQUAL AND APPROVED. THE MCBS SHALL BE 10KA RATED.
- ENSURE DISCRIMINATION IS ACHIEVED WITH UPSTREAM AND DOWNSTREAM BREAKERS.
- CONFIRM THE EARTHING ARRANGEMENTS ON SITE. ENSURE THE EARTHING INSTALLATION IS IN FULL COMPLIANCE WITH AS/NZS3000.
- THE CONTRACTOR SHALL CHECK THE FINAL BREAKER ARRANGEMENT AND ENSURE CASCADING AND DISCRIMINATION IS ACHIEVED ADDITIONALLY THE ELECTRICAL INSTALLATION COMPLIES WITH AS/NZS3000.

LEGEND:

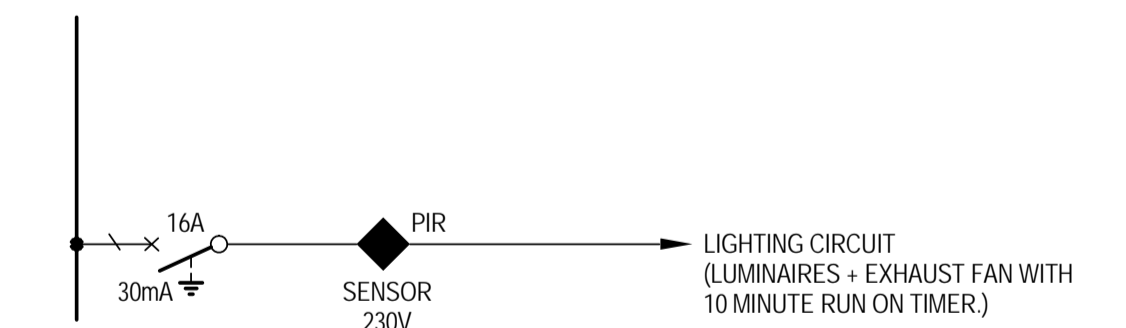
- 1 POLE (1 PHASE)
- 3 POLE (3 PHASE)
- MAIN SWITCH - MAIN BREAKER (SEE NOTE 4)
- CIRCUIT BREAKER (RCD)
- CONTACTOR AC2
- RELAY COIL
- CONTACT COIL
- PIR / PE-CELL (CLIPSAL IP66 INFRASCAN 3-WIRE)
- PASSIVE PRESENCE SENSOR (PIERLITE SMART SCAN)
- PASSIVE INFRARED MOTION SENSOR (CLIPSAL INFRASCAN 753R)
- LATCHING TIMER 1 CHANNEL (230V)



POWER & LIGHTING LAYOUT
SCALE 1:25



DISTRIBUTION BOARD - SINGLE LINE DIAGRAM
NOT TO SCALE



TYPICAL ROOM CIRCUIT DETAIL
NOT TO SCALE



FOR CONSTRUCTION

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
1	REVISED FOR CONSTRUCTION		BS	SM*	SP*	19.01.18
0	ISSUED FOR CONSTRUCTION		ALC	SM*	JL	22.12.16



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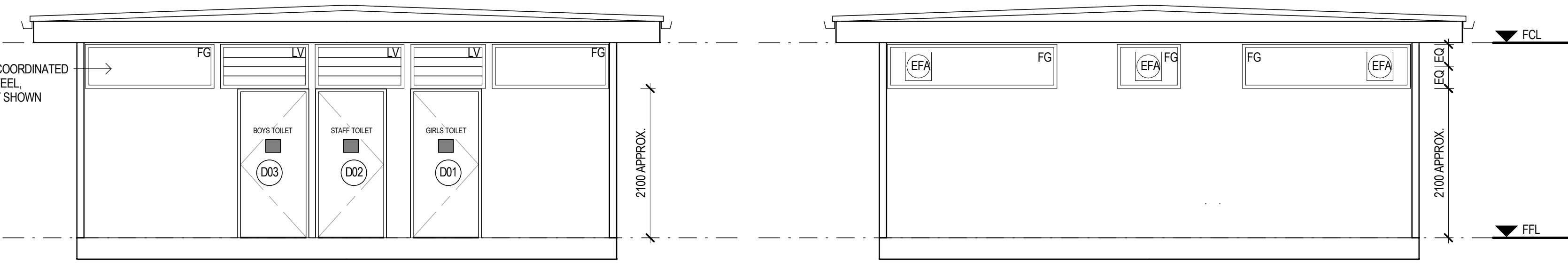
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Drawn	A.COOMBER	Designer	A.COOMBER
Drafting Check	M.LEWIS*	Design Check	D.MOORE*
Approved (Project Director)	J.LEVER*		
Date	22.12.16		
Scale	As indicated		

Client	DEPARTMENT OF EDUCATION		
Project	DEMOUNTABLE REFURBISHMENT PROJECT		
Title	OS843 - 1 MODULE COUNTRY TOILET		
	POWER & LIGHTING LAYOUT & SCHEMATICS		
Original Size	A1	Drawing No:	OS843.3-1.CTT -ELC
		Rev:	1

ALL GLAZING TO BE COORDINATED WITH STRUCTURE STEEL, SUGGESTED LAYOUT SHOWN



A EXTERNAL ELEVATION ENTRANCE
OS843.1 SCALE 1:50

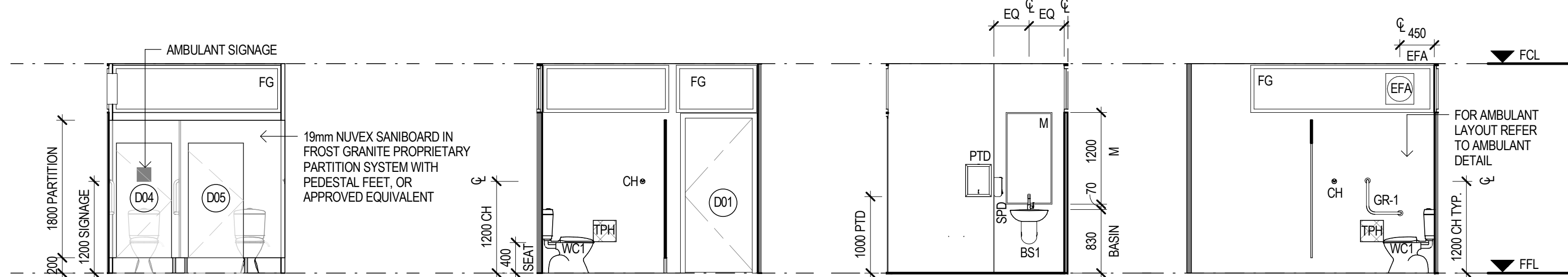
B EXTERNAL ELEVATION REAR
OS843.1 SCALE 1:50

LEGEND	
CODE	DESCRIPTION
BS1	BASIN & LEVER MIXER
CH	CLOTHES HOOK - 1200mm ABOVE FFL
EDB	ELECTRICAL DISTRIBUTION BOARD, REFER ELECTRICAL DRAWINGS FOR DETAIL
EFA	EXHAUST FAN - IP44 RATED OR SIMILAR
FG	FIXED GLAZING - 6.3mm FROSTED OR TRANSLUCENT LAMINATE
GR-1	AMBULANT GRAB RAIL AS PER AS1428.1
HT	HOSE TAP - CLEANERS USE, 600mm ABOVE FFL
LV	LOUVERED GLAZING - 6.3mm FROSTED OR TRANSLUCENT LAMINATE
M	MIRROR - 600mm x 1200mm, 900mm ABOVE FFL
PTD	PAPER TOWEL DISPENSER - 1000mm ABOVE FFL
SPD	SOAP DISPENSER - 1000mm ABOVE FFL
TPH	TOILET PAPER HOLDER ZONE TO AS1428.1
WC1	TOILET PAN & CISTERN AS PER THE CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT

NOTES:

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- TO ACHIEVE REGULATORY COMPLIANCE COVERING THE NUMBER & TYPES OF SANITARY FACILITIES, THIS MODULE MUST BE CONSIDERED AS PART ONLY. FURTHER FACILITIES SUCH AS ACCESSIBLE BATHROOMS MUST BE CONSIDERED IN ADDITION TO THIS MODULE.
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- ALL LIGHT, FAN & AC SWITCHES ARE TO BE NOT LESS THAN 1000mm ABOVE THE FFL & LABELED ACCORDINGLY
- ALL SWITCHES, FIXTURES & FITTINGS ARE TO BE INSTALLED AS PER EDUCATIONAL FACILITIES STANDARDS & GUIDELINES. ALL SWITCHES ARE TO BE LABELED ACCORDING TO THEIR PURPOSE
- ALL ELECTRICAL APPLIANCES SHALL BE INSTALLED TO RELEVANT SECTIONS OF DAMP AREAS ASINZS 3000
- ALL DIMENSIONS CLEAR REFER TO THE FACE OF THE FINAL FINISHED SURFACE
- CEILING TYPE, EAVE SHEETING & ROOF STRUCTURE TO BE AS PER CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT, UNLESS AGREED UPON OTHERWISE BETWEEN THE CLIENT & THE CONTRACTOR
- WALL TYPE CONFIGURATIONS SHOWN ON THIS DRAWING ARE TO BE CONSTRUCTED AS PER THE DETAILS WITHIN THE CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT

DOOR SCHEDULE							
DOOR NO.	LOCATION	FRAME TYPE	FRAME FINISH	LEAF SIZE	LEAF FINISH	LOCKSET FUNCTION	COMMENTS
01	GIRLS ENTRY	STEEL FRAME	PAINT FINISH	40 x 920 x 2040	PAINT FINISH	KEY LOCKABLE AS PER THE CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT	DOOR SEALS AS PER THE CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT, SIGNAGE: 'GIRLS TOILET', FEMALE PLUS FEMALE AMBULANT SIGNAGE AS PER AS1428.1
02	STAFF ENTRY	STEEL FRAME	PAINT FINISH	40 x 920 x 2040	PAINT FINISH	KEY LOCKABLE AS PER THE CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT	DOOR SEALS AS PER THE CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT, SIGNAGE: 'STAFF TOILET', UNISEX AMBULANT SIGNAGE AS PER AS1428.1
03	BOYS ENTRY	STEEL FRAME	PAINT FINISH	40 x 920 x 2040	PAINT FINISH	KEY LOCKABLE AS PER THE CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT	DOOR SEALS AS PER THE CONTRACT NO. DECP5-14-16 STANDARD OFFER GOODS AGREEMENT, SIGNAGE: 'BOYS TOILET', MALE PLUS MALE AMBULANT SIGNAGE AS PER AS1428.1
04	GIRLS AMBULANT CUBICLE	PROPRIETARY SYSTEM WITH LIFT OFF HINGES	NONE	19 x 720 x 1700	NONE	MIN 45mm SNIB LOCK, 1000mm AFFL, INSTALLED AS PER AS1428.1	19mm NUVEK SANIBOARD IN FROST GRANITE PROPRIETARY SYSTEM, TOILET PARTITIONS, DOORS, HINGES, PEDESTAL MOUNTS AND ASSOCIATED FITTINGS, OR APPROVED EQUIVALENT, SIGNAGE: FEMALE AMBULANT SIGNAGE AS PER AS1428.1
05	GIRLS CUBICLE	PROPRIETARY SYSTEM WITH LIFT OFF HINGES	NONE	19 x 720 x 1700	NONE	MIN 45mm SNIB LOCK, 1000mm AFFL, INSTALLED AS PER AS1428.1	19mm NUVEK SANIBOARD IN FROST GRANITE PROPRIETARY SYSTEM, TOILET PARTITIONS, DOORS, HINGES, PEDESTAL MOUNTS AND ASSOCIATED FITTINGS, OR APPROVED EQUIVALENT.
06	BOYS AMBULANT CUBICLE	PROPRIETARY SYSTEM WITH LIFT OFF HINGES	NONE	19 x 720 x 1700	NONE	MIN 45mm SNIB LOCK, 1000mm AFFL, INSTALLED AS PER AS1428.1	19mm NUVEK SANIBOARD IN FROST GRANITE PROPRIETARY SYSTEM, TOILET PARTITIONS, DOORS, HINGES, PEDESTAL MOUNTS AND ASSOCIATED FITTINGS, OR APPROVED EQUIVALENT, SIGNAGE: MALE AMBULANT SIGNAGE AS PER AS1428.1
07	BOYS CUBICLE	PROPRIETARY SYSTEM WITH LIFT OFF HINGES	NONE	19 x 720 x 1700	NONE	MIN 45mm SNIB LOCK, 1000mm AFFL, INSTALLED AS PER AS1428.1	19mm NUVEK SANIBOARD IN FROST GRANITE PROPRIETARY SYSTEM, TOILET PARTITIONS, DOORS, HINGES, PEDESTAL MOUNTS AND ASSOCIATED FITTINGS, OR APPROVED EQUIVALENT.

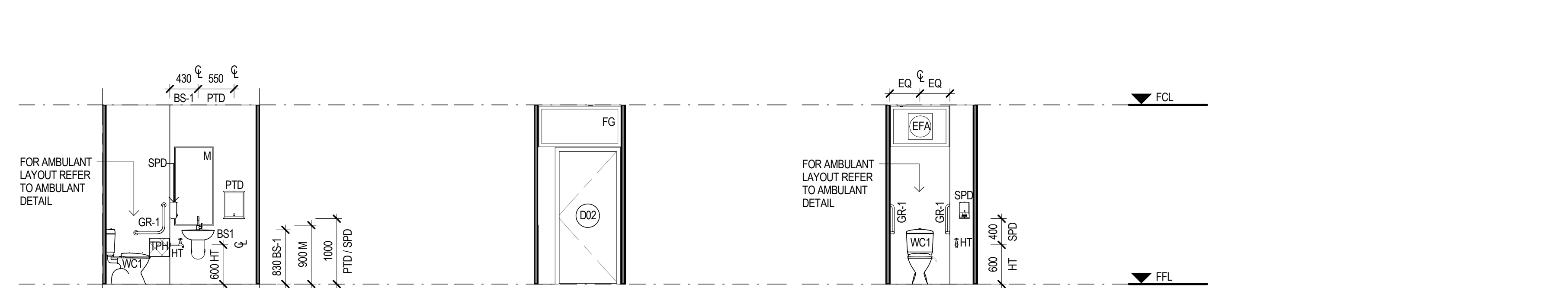


1 GIRLS TOILET
OS843.1 SCALE 1:50

2 GIRLS TOILET
OS843.1 SCALE 1:50

3 GIRLS TOILET
OS843.1 SCALE 1:50

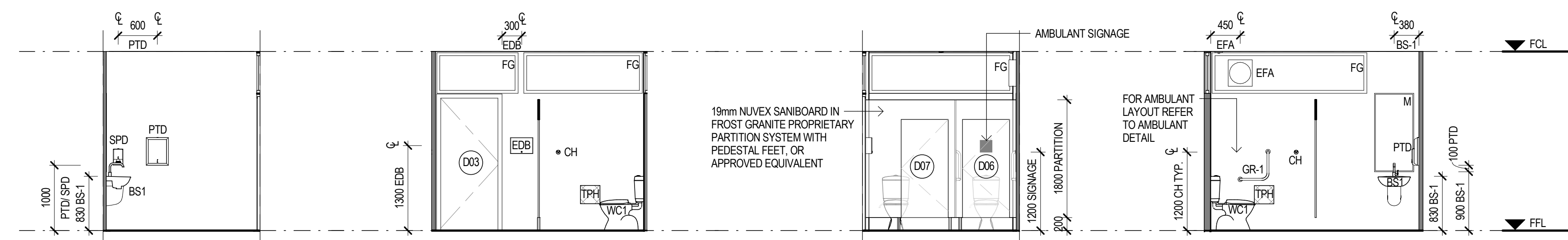
4 GIRLS TOILET
OS843.1 SCALE 1:50



5 STAFF TOILETS
OS843.1 SCALE 1:50

6 STAFF TOILETS
OS843.1 SCALE 1:50

7 STAFF TOILETS
OS843.1 SCALE 1:50

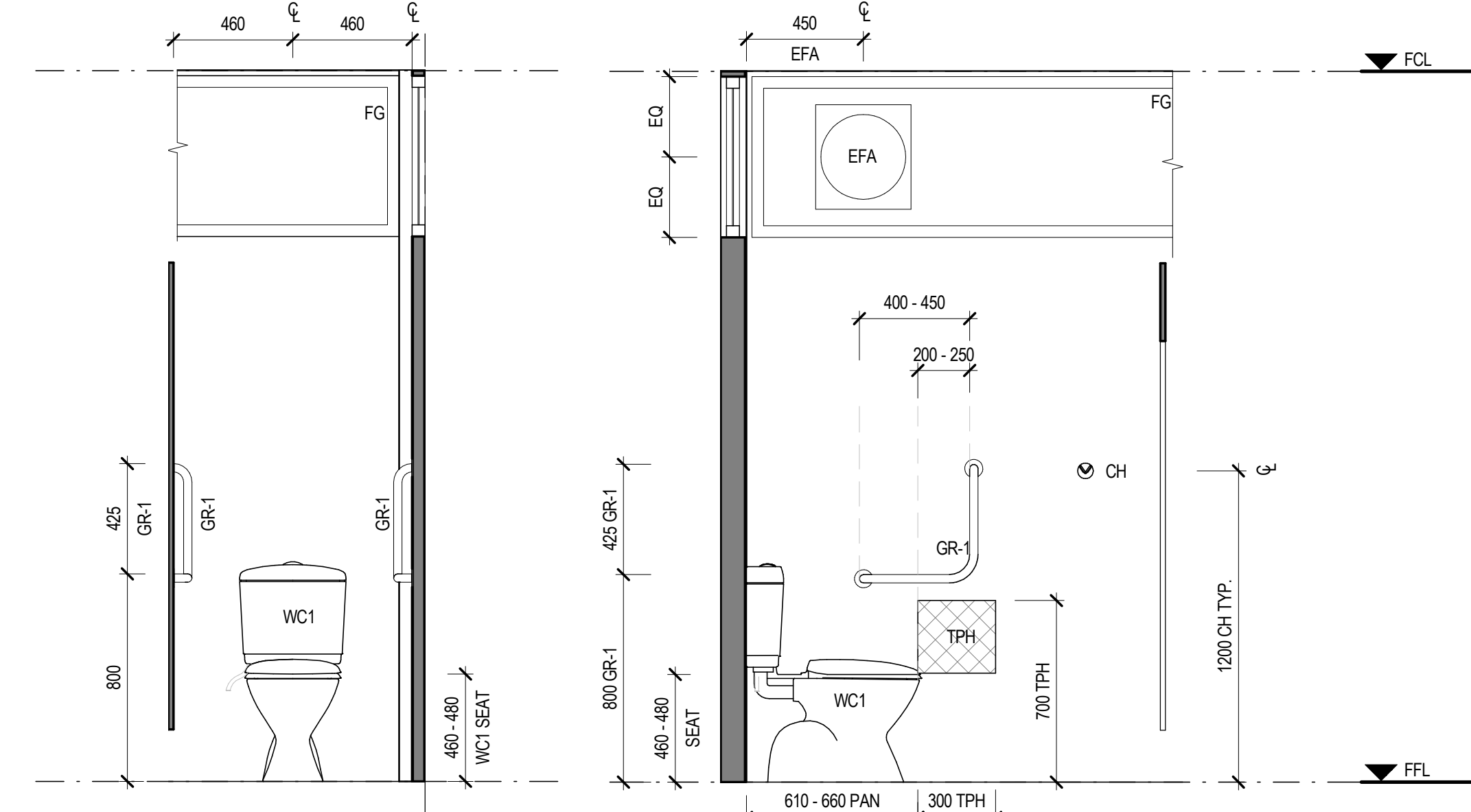


8 BOYS TOILET
OS843.1 SCALE 1:50

9 BOYS TOILET
OS843.1 SCALE 1:50

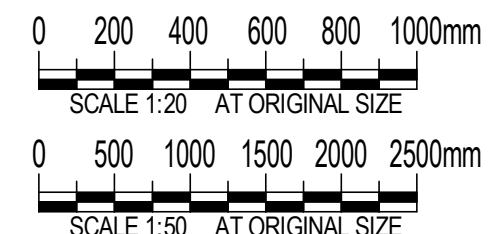
10 BOYS TOILET
OS843.1 SCALE 1:50

11 BOYS TOILET
OS843.1 SCALE 1:50



12 AMBULANT DETAIL
OS843.1 SCALE 1:20

13 AMBULANT DETAIL
OS843.1 SCALE 1:20



FOR CONSTRUCTION

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	SM	JL	Date
0	FOR CONSTRUCTION		EH	SM	JL	22.12.16



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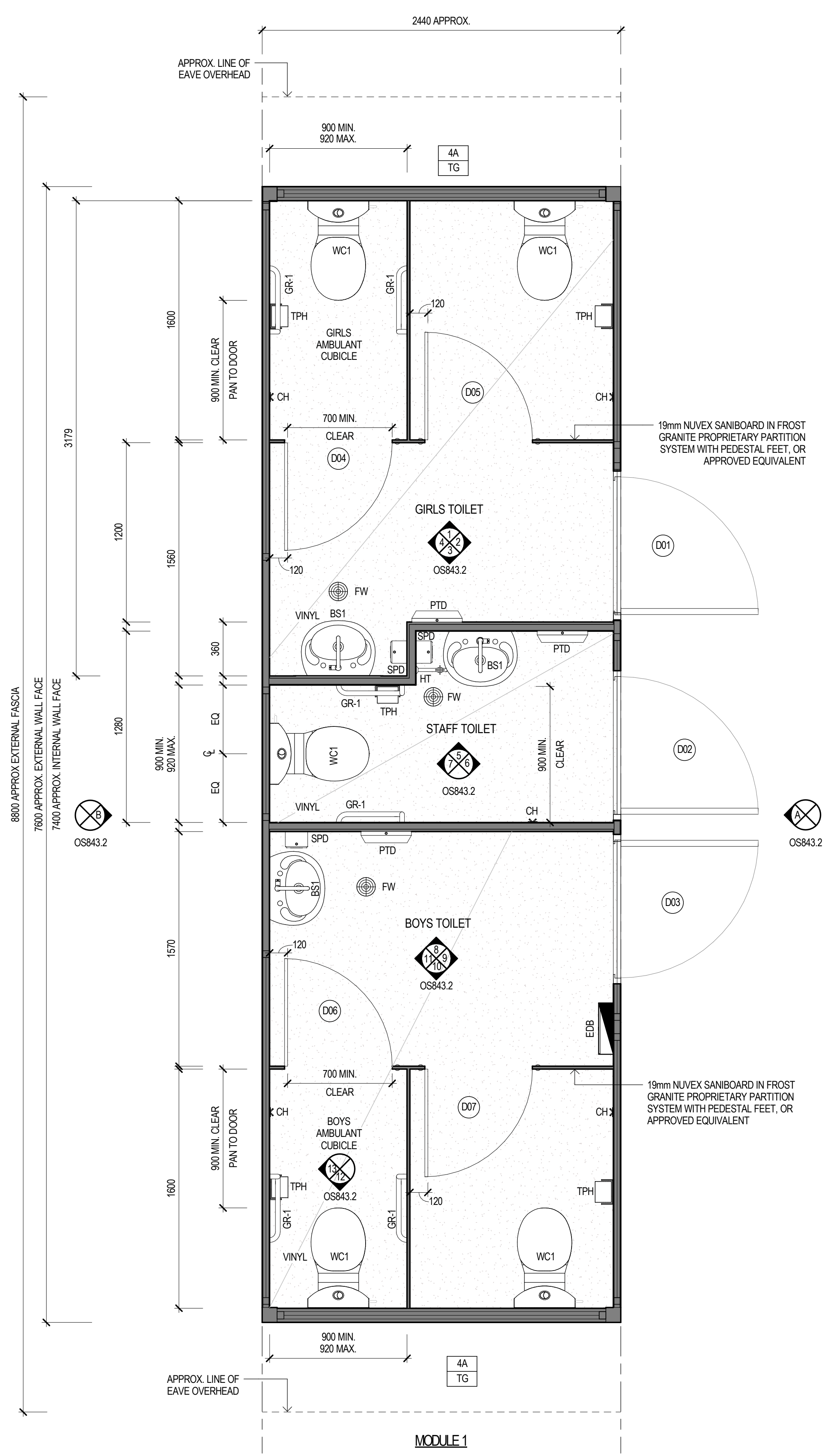
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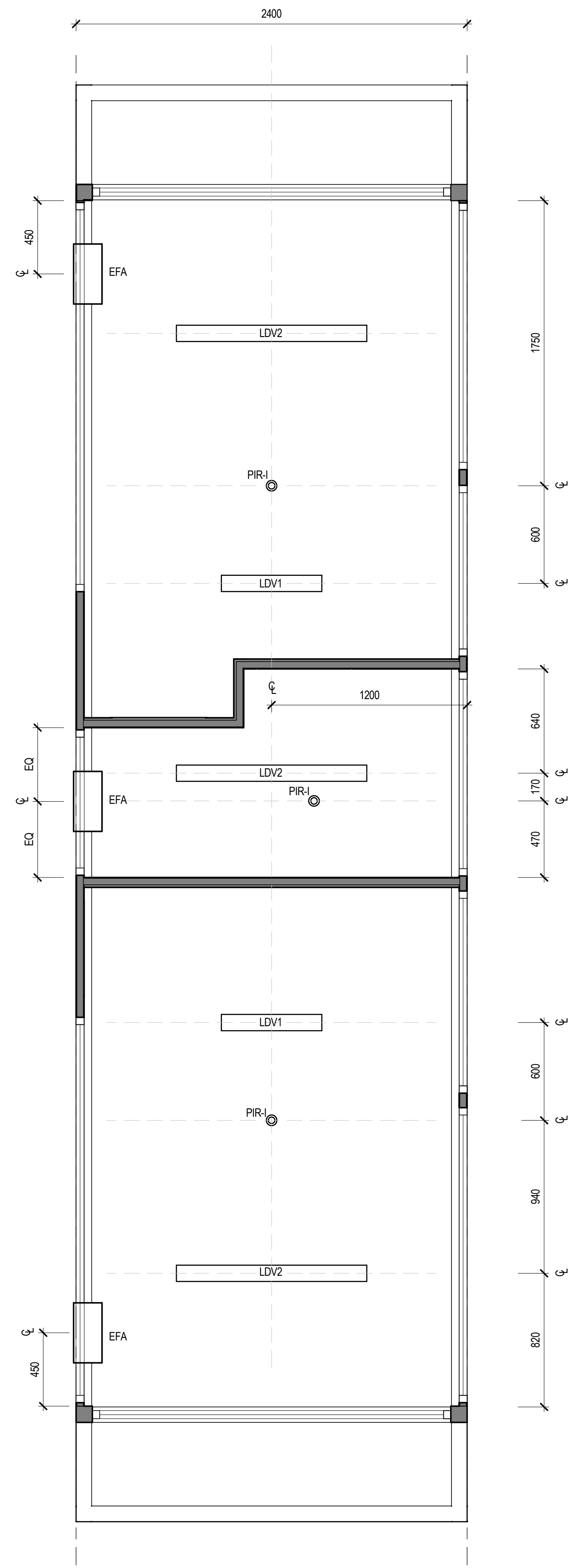
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Drawn	E.HEATON	Designer	K. KNAUS
Drafting Check	M.LEWIS*	Design Check	C.ACEVSKI*
Approved (Project Director)	J.LEVER*	Date	22.12.16
Scale	As indicated	This Drawing must not be used for Construction unless signed as Approved	

Client	DEPARTMENT OF EDUCATION
Project	DEMOUNTABLE REFRUBISHMENT PROJECT
Title	OS843 - 1 MODULE COUNTRY TOILET INTERNAL ELEVATIONS
Original Size	A1
Drawing No:	OS843.2-1.CTT -ARC
Rev:	0



MODULE 1
FF&E PLAN
SCALE 1:20



REFLECTED CEILING PLAN
SCALE 1:20

WALL TYPES:

- XX ← WALL TYPE OPTION
 - XX ← GLAZING OPTION
- WALL TYPE DETAILS TO BE AS PER CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT

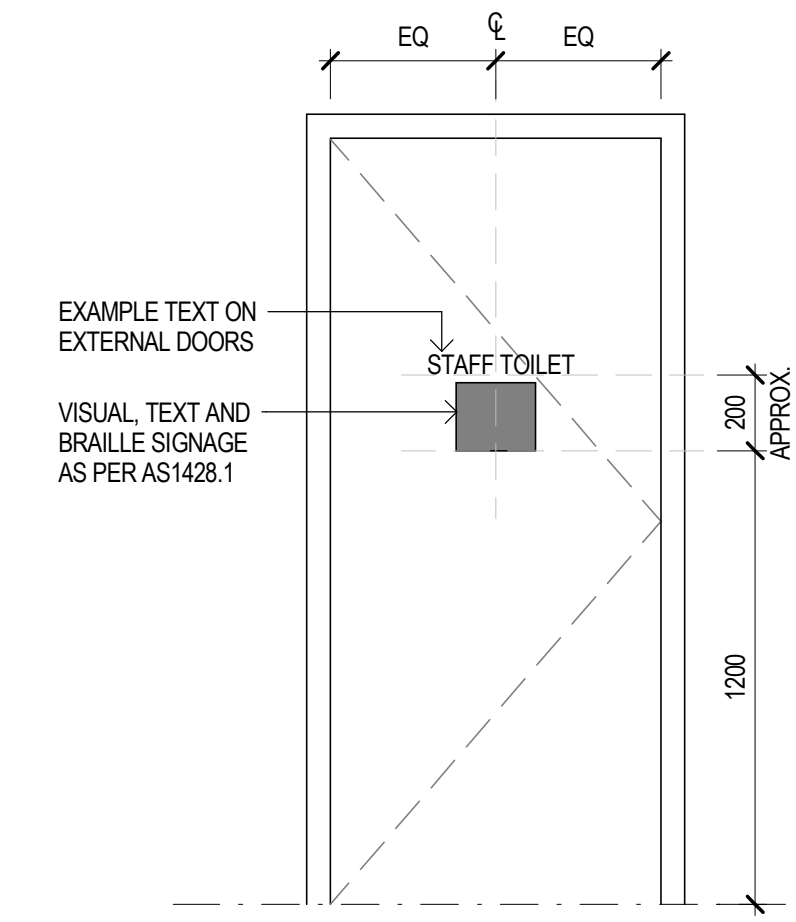
GLAZING LEGEND:

- TG - FROSTED OR TRANSLUCENT GLAZING

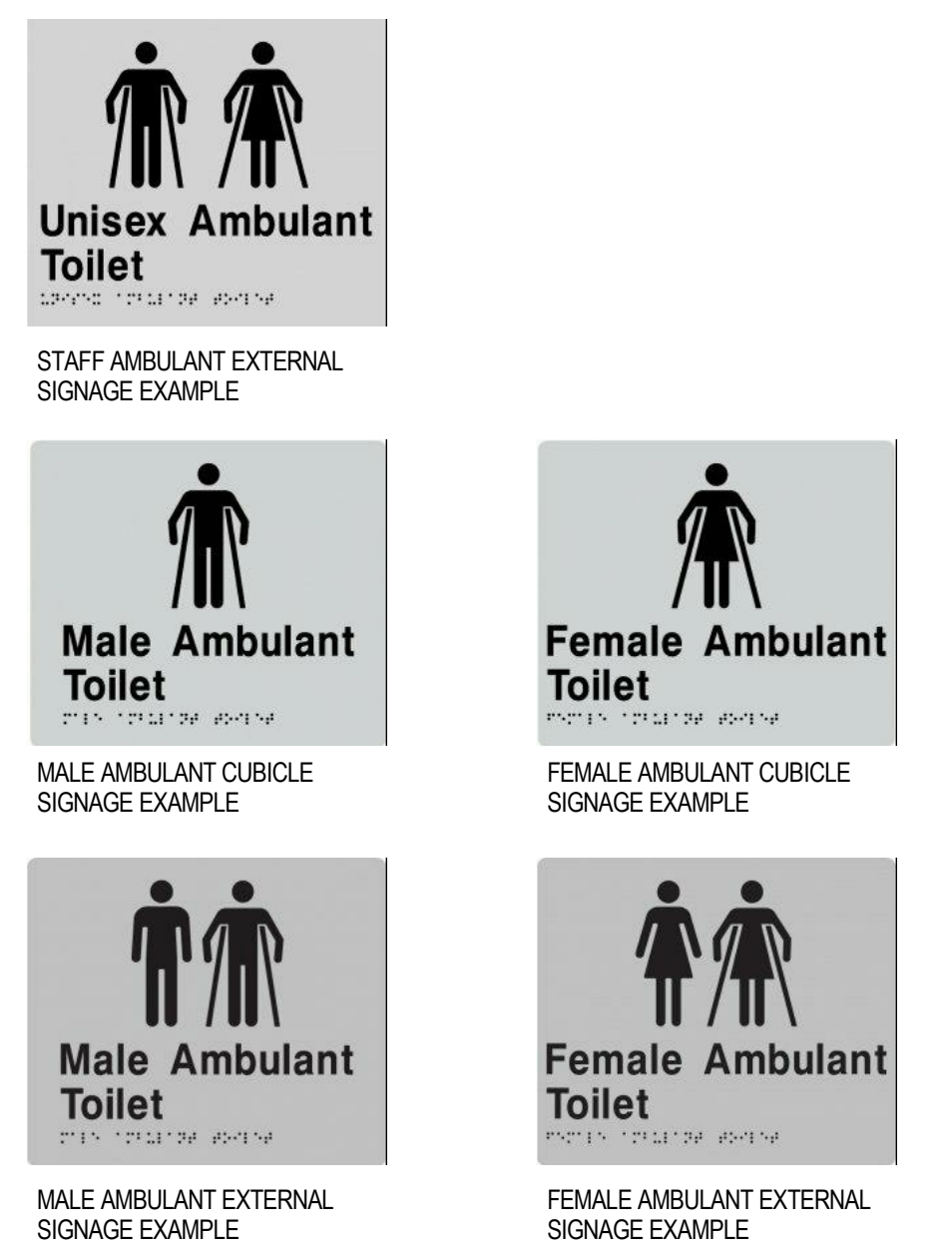
NOTES:

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LEGEND	
CODE	DESCRIPTION
BS1	BASIN & LEVER MIXER
CH	CLOTHES HOOK - 1200mm ABOVE FFL
EDB	ELECTRICAL DISTRIBUTION BOARD, REFER ELECTRICAL DRAWINGS FOR DETAIL
EFA	EXHAUST FAN - IP44 RATED OR SIMILAR
FW	FLOOR WASTE
GR-1	AMBULANT GRAB RAIL AS PER AS1428.1
HT	HOSE TAP - CLEANERS USE, 600mm ABOVE FFL
LDV1	LIGHT FITTING - EXTERNAL, REFER ELECTRICAL DRAWINGS FOR DETAIL
LDV2	LIGHT FITTING - EXTERNAL, REFER ELECTRICAL DRAWINGS FOR DETAIL
PIR-1	PASSIVE INFRARED MOVEMENT DETECTOR - INTERNAL 360° FIXED, CEILING MOUNTED
PTD	PAPER TOWEL DISPENSER - 1000mm ABOVE FFL
SPD	SOAP DISPENSER - 1000mm ABOVE FFL
TPH	TOILET PAPER HOLDER ZONE TO AS1428.1
WC1	TOILET PAN & CISTERN AS PER THE CONTRACT NO. DECPS-14-16 STANDARD OFFER GOODS AGREEMENT



SUGGESTED DOOR SIGNAGE
SCALE 1:20



FOR CONSTRUCTION

0	FOR CONSTRUCTION	EH	SM	JL	22.12.16	
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date



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DO NOT SCALE	Drawn E. HEATON	Designer K. KNAUS
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	Approved (Project Director) J.LEVER*	Date 22.12.16
	Scale As indicated	This Drawing must not be used for Construction unless signed as Approved

Client	DEPARTMENT OF EDUCATION
Project	DEMOUNTABLE REFRUBISHMENT PROJECT
Title	OS843 - 1 MODULE COUNTRY TOILET
	FF&E AND REFLECTED CEILING PLANS
Original Size	A1
Drawing No:	OS843.1-1.CTT -ARC
Rev:	0