



Ministry of Agriculture, Food and Forest UNDP Repair & Reconstruction of Export Building and Fumigation Facility



India-UN Development
Partnership Fund



DRAWING STATUS: FOR TENDER ONLY – 25/09/2020

DRAWING NUMBER	DRAWING TITLE	COMMENT
	COVER PAGE	
SA.01	EXISTING SITE PLAN	
SA.02	PROPOSED SITE PLAN	
A1.01	CHILLER & BLAST FREEZER BUILDING UPGRADE	
A2.01	PACKING SHED – ENTRANCE ROOF UPGRADE	
A2.02	PACKING SHED - NEW ROOF PLAN AND DETAILS	
A3.01	FUMIGATION HOUSE UPGRADE AND NEW WATER TANK STAND DETAILS	
A3.02	CONTAINER OFFICE PLAN AND DETAIL	
A4.01	TOILET & SHOWER FLOOR, ROOF PLAN, SECTION AND CONSTRUCTION DETAILS	
A4.02	BLOCK F – TOILET AND SHOWER ELEVATION	
A4.03	BLOCK F - SERVICES	
A5.01	BLOCK G – LUNCH SHED: FLOOR, ROOF PLAN, SECTION AND CONSTRUCTION DETAIL	
A5.02	BLOCK G – LUNCH SHED: FLOOR, ROOF PLAN, SECTION AND CONSTRUCTION DETAIL	
A6.01	BLOCK G – CONTAINER RACK DETAIL	
A7.01	MISCELLANEOUS SITE WORKS	
A8.01	FUMIGATION CONTAINER FOOTING PLAN AND DETAIL	
A9.01	CONTAINER OFFICE LAYOUT	



CALIBRE PROJECT MANAGERS
Consulting Engineers & Project Managers

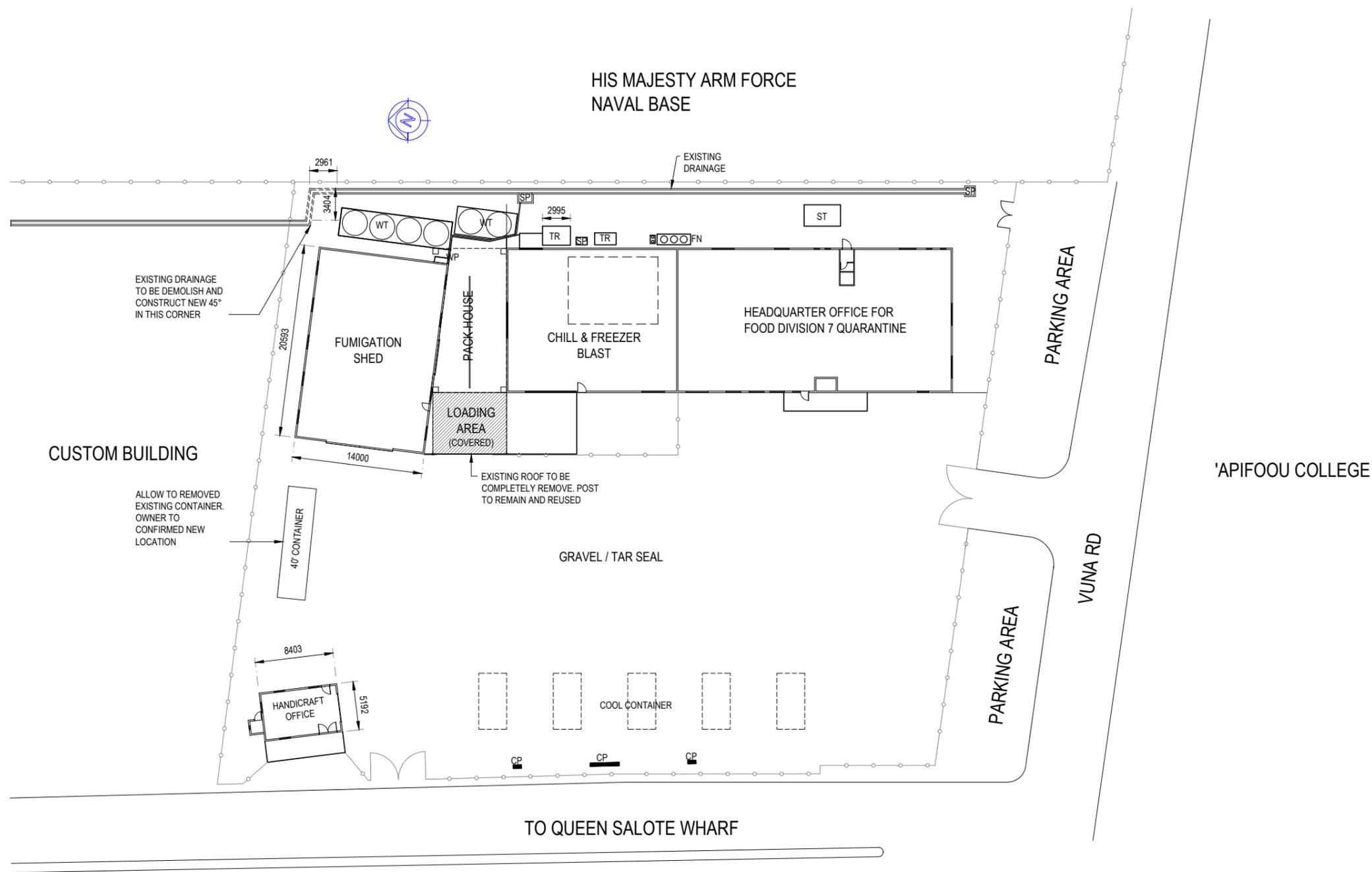
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Maufanga, Nukualofa
TONGA

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Mobile: 7756259
Danny: 7761175

FOR TENDER – NOT FOR CONSTRUCTION

- NOTES:**
1. ALL DIMENSION TO BE CONFIRMED ON SITE
 2. ALL UNDER GROUND SERVICES TO BE LOCATED PRIOR COMMENCE ANY EXCAVATION ON SITE

- LEGEND:**
- CP EXISTING 3-PHASE POWER OUTLET
 - SP EXISTING SOAK PIT
 - ST EXISTING SEPTIC TANK
 - TR EXISTING TRANSFORMER & SLAB
 - WP WATER PUMP
 - WT EXISTING WATER TANK
 - — EXISTING PERIMETER FENCE LINE



L01 EXISTING SITE PLAN
SCALE 1:500@A3

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	JOB NO.: 018T	DRAWING NO.: SA.01	REV: B								

NOTES:

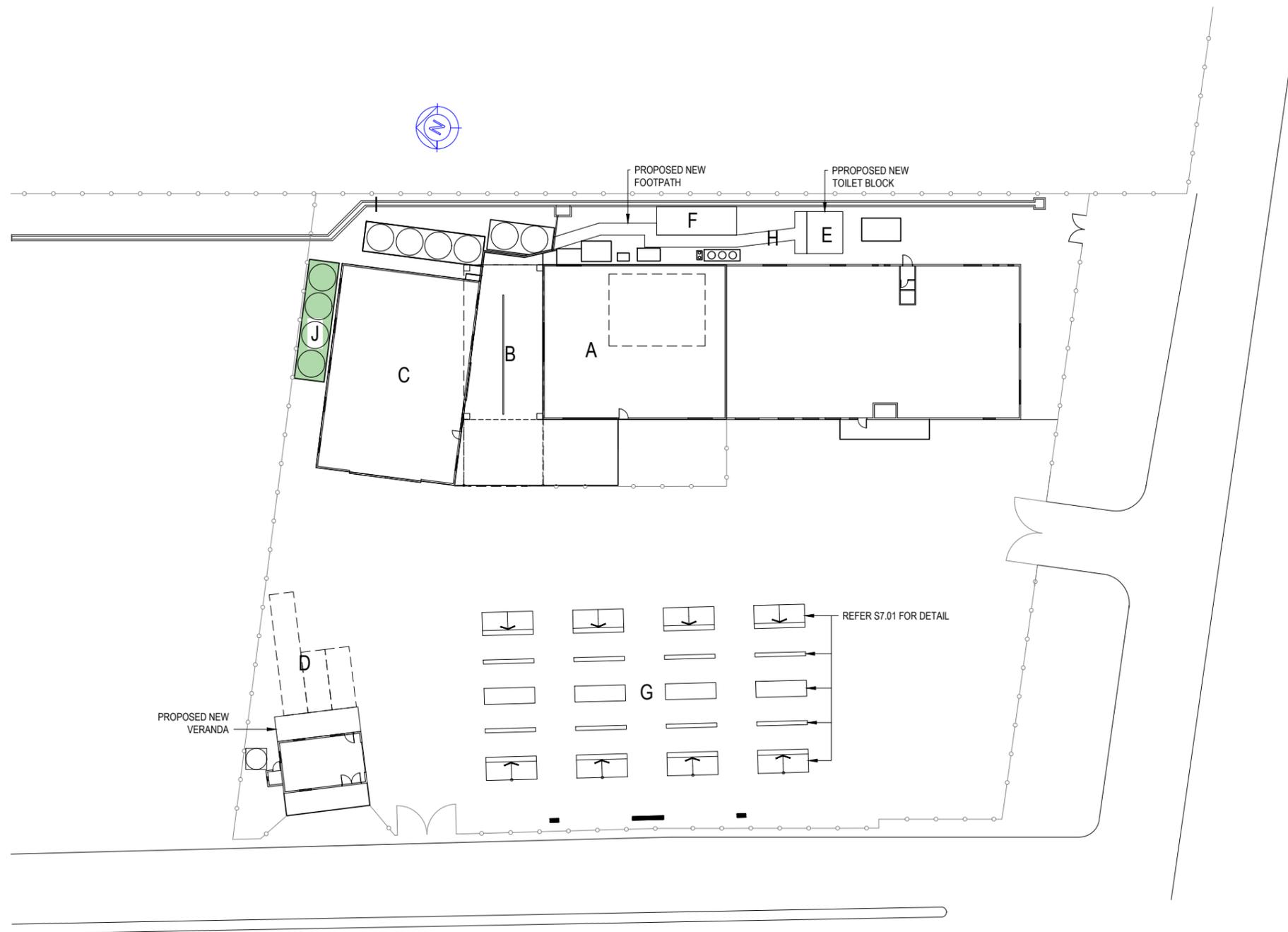
1. ALL DIMENSION TO BE CONFIRMED ON SITE
2. ALL UNDER GROUND SERVICES TO BE LOCATED PRIOR COMMENCE ANY EXCAVATION ON SITE

SITE PLAN SCHEDULE:

REMARK	DESCRIPTION	REFERENCE
A	CHILLER & ROOM	A1.01
B	PACK-HOUSE	A2.01
C	FUMIGATION SHED	A3.01
D	NEW CONTAINER OFFICE	A3.02
E	NEW TOILET BLOCK	A5.01
F	NEW LUNCH SHED	A6.01
G	CONTAINER RACK	A7.01
H - I	MISCELLANEOUS SITE WORK	A8.01

SCOPE OF WORK:

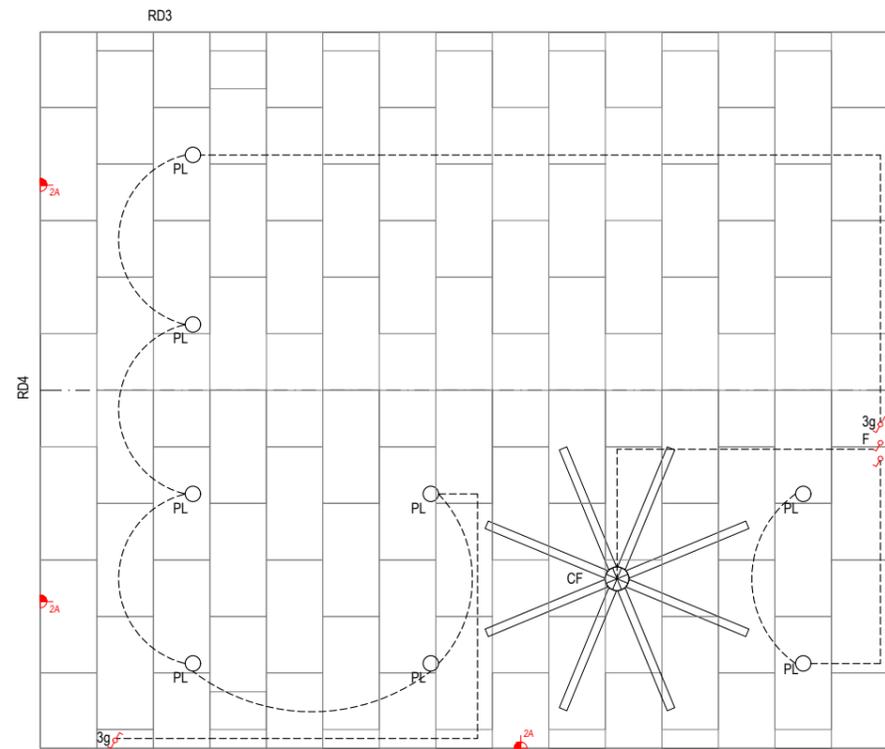
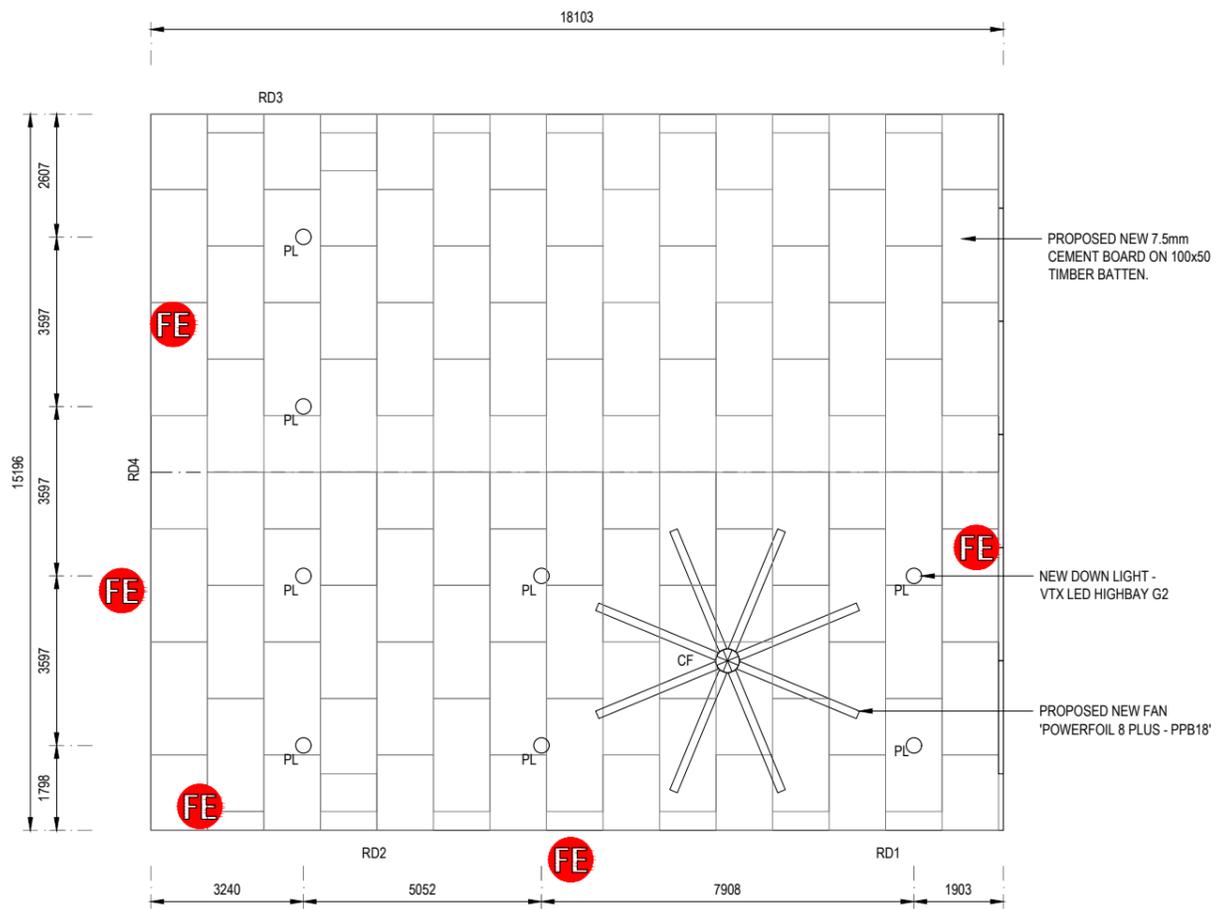
1. EXISTING DRAINAGE TO CONCRETE TO FALL TO NORTHERN BOUNDARY
2. CONTAINER OFFICE - CONTRACTOR TO PURCHASE CONTAINER FROM NISHI TRADING. ALL DIMENTION TO BE CONFIRMED PRIOR CONSTRUCTION OF THE FOOTING
3. CONTAINER OFFICE LOCATION TO BE CONFIRMED ON SITE



L02 PROPOSED SITE PLAN
SCALE 1:500@A3

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	JOB NO: 018T	DRAWING NO: SA.02	REV: B								



- NOTES:**
1. ALL DIMENSION TO BE CONFIRMED ON SITE
 2. STRICTLY REFER MANUFACTURE SPECIFICATION FOR INSTALLATION OF NEW LIGHT AND FAN
 3. THE CONTRACTOR SHALL EMPLOY LICENCE ELECTRICIAN TO CHECK ALL SWITCH BOARD BEFORE ADDING NEW WORK.

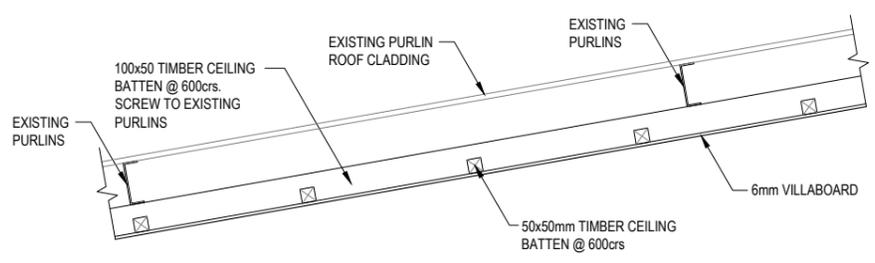
- DEMOLITION NOTES:**
1. ALL EXISTING LIGHT FITTING TO BE REMOVED AND STORED
 2. ALL DEMOLITION ITEM REMAIN THE PROPERTY OF MAFFF UNLESS NOTED OTHERWISE

- SCOPE OF WORK:**
1. ROLLER DOOR (RD1 - RD4):
RD1 & RD2 - REPLACE NEW WITH SIMILAR SIZE AND SHALL BE CYCLONE RATED
RD3 - REPAIRED AND MAKE GOOD
RD4 - CONTRACTOR TO CHECK EXISTING RD TRACK - ALLOW TO ADD GREASE IF REQUIRED
 2. EXISTING LIGHT:
EXISTING LIGHT FITTING AND WIRING TO BE CAREFULLY REMOVE AND UPGRADE. REFER NEW LIGHT LAYOUT AND SPEC
 3. ALLOW NEW 2 GPO POWER OUTLET. REFER PLAN FOR LOCATION

- LEGEND:**
- PL PROPOSED NEW DOWN LIGHT - VTX LED HIGHBAY G2
 - CF NEW CEILING FAN - POWERFOIL 8 PLUS - PPB18
 - 2A SINGLE 15 SWITCHED SOCKET OUTLET NOMINALLY MOUNTED 1200AFFL UNLESS OTHERWISE STATED.
 - 10A LIGHT SWITCH. NOMINALLY MOUNTED 1200mm AFFL UNLESS NOTED OTHERWISE.
 - 2g - DENOTES 2 GANG
3g - DENOTES 3 GANG
 - 10A TWO WAY LIGHT SWITCH.
 - F FAN CONTROL
 - FE 9KG DRY CHEMICAL FIRE EXTINGUISHER

L01 CHILLER ROOM CEILING PLAN
SCALE 1:150@A3

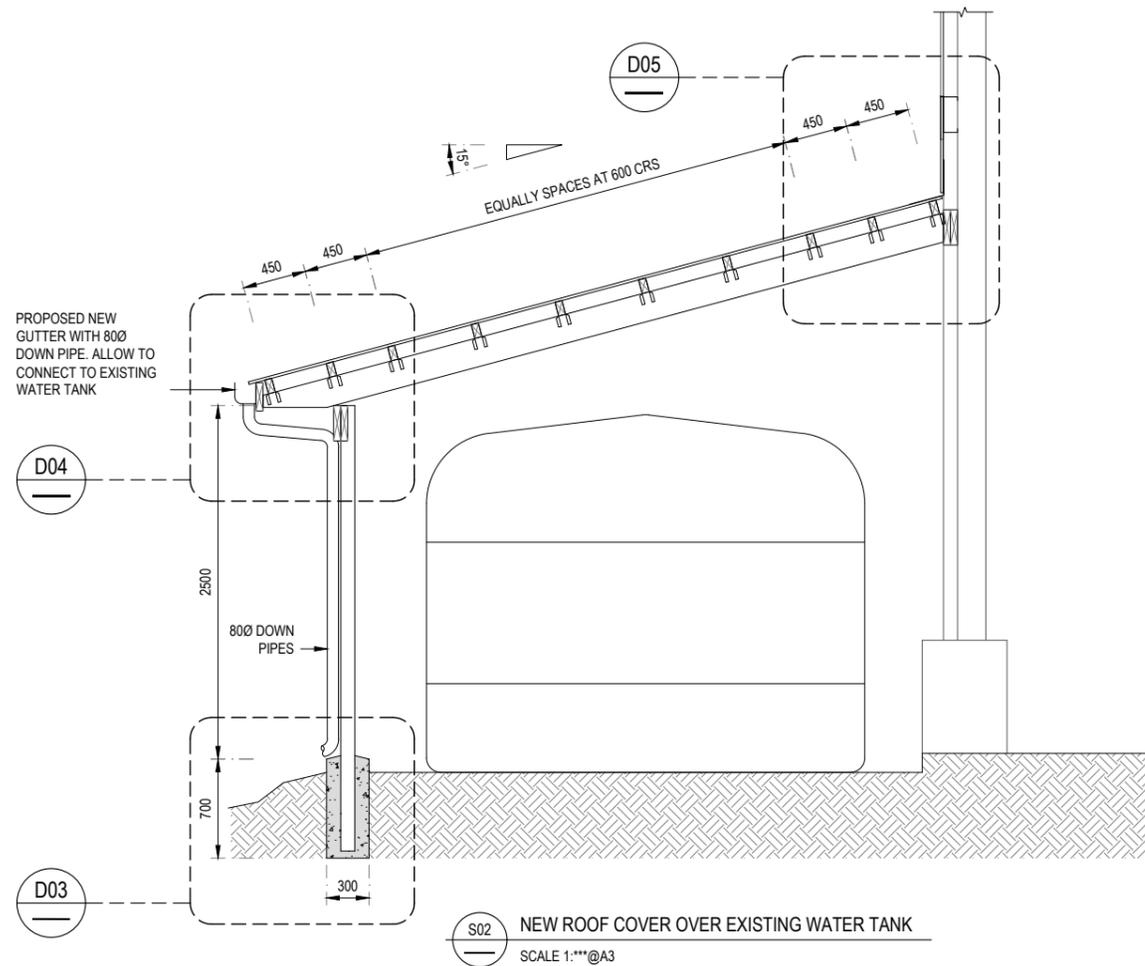
L02 ELECTRICAL WIRING LAYOUT
SCALE 1:150@A3



D01 NEW CEILING SECTION DETAIL
SCALE 1:25@A3

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	JOB NO.: 018T	DRAWING NO.: A1.01	REV: B										



200x50 H3.2 FR8 TIMBER RAFTER AT 450 CRS

100x50 H3.2 FR8 TIMBER PURLIN WITH CT400 FIXING

STRAP BRACE TO RAFTER AND BEAM

2-200x50 H3.2 SG8 GRADE TIMBER BEAM, BOLTED WITH WITH 2-M16 GALV. BOLTS TO BEAM AND M10 x 100mm LONG GALV BOLTS AT 600 CRS STRAGGED, 35mm FROM EDGE

NEW 75Ø CHS POST

D01 RAFTER FIXING DETAIL

SCALE 1:25@A3

EXISTING CLADDING

NEW CLADDING TO MATCH EXISTING, 300 LAP WITH EXISTING

250x250 FLASHING

100x50 H3.2 FR8 TIMBER PURLIN WITH CT400 FIXING

200x50 H3.2 FR8 TIMBER RAFTER AT 450 CRS

2-200x50 H3.2 SG8 GRADE TIMBER BEAM, BOLTED WITH WITH 2-M16 GALV. BOLTS TO BEAM AND M10 x 100mm LONG GALV BOLTS AT 600 CRS STRAGGED, 35mm FROM EDGE

0.91 G300-190x47 JOIST HANGER

D02 RAFTER TO EXISTING BUILDING FIXING DETAIL

SCALE 1:25@A3

NEW 75Ø CHS POST

300x300x700 DEEP 25MPa CONCRETE FOOTING

2-D12 x 200 LONG BAR WELDED TO BOTHSIDE OF THE POST. 100mm FROM THE BOTTOM

D03 POST P1 FOOTING DETAILS

SCALE 1:25@A3

NOTES:

1. ALL DIMENSION TO BE CONFIRMED ON SITE

DEMOLITION NOTES:

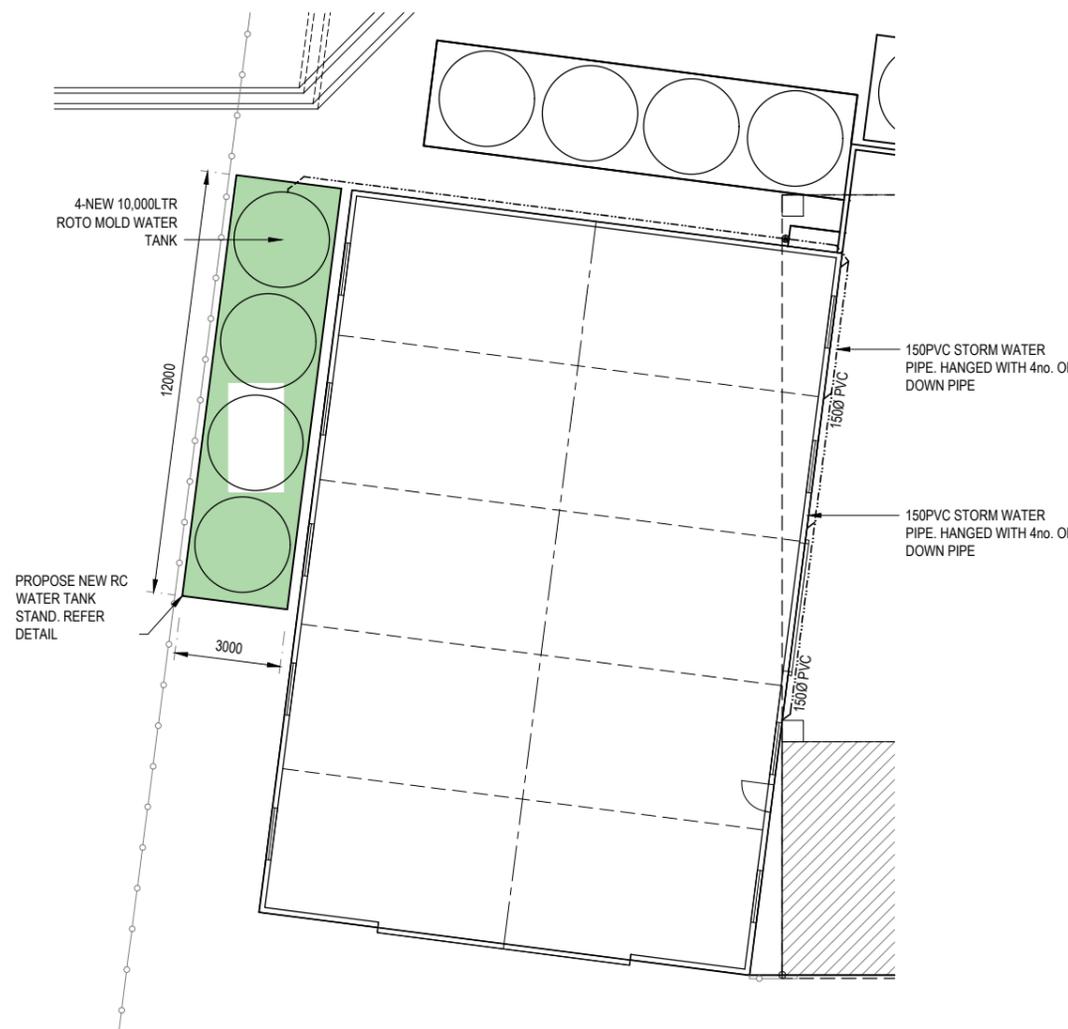
1. CONNECT DOWN PIPES TO EXISTING WATER TANK

LEGEND:

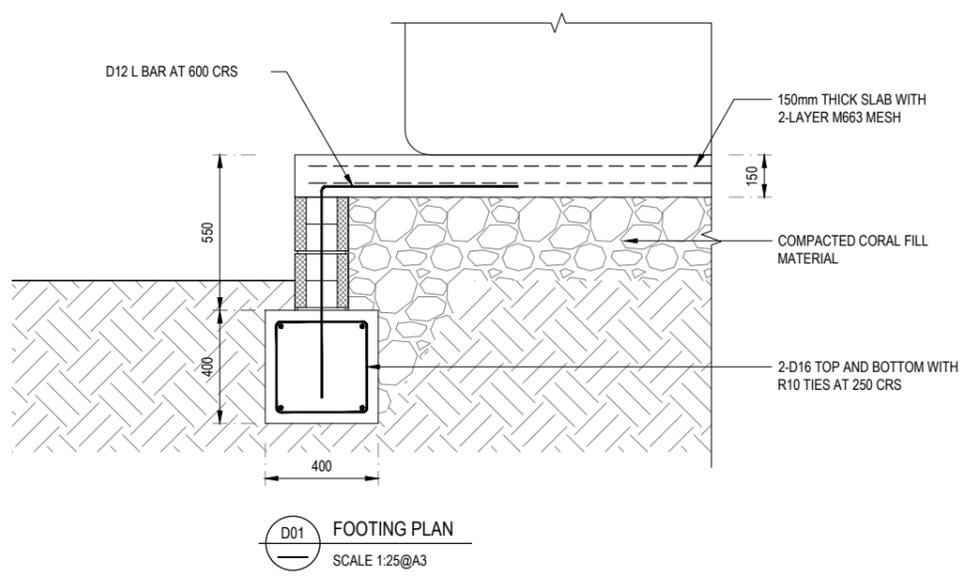
- PL PROPOSED NEW DOWN LIGHT - VTX LED HIGHBAY G2
 CF NEW CEILING FAN - POWERFOIL 8 PLUS - PPB18

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	REV: B BY: ST DATE: 25/09/2020 DESCRIPTION: FOR TENDER	CHK: DA	CONSULTANT: 	DONORS: 	CLIENTS: 	PROJECT TITLE: UNDP REPAIR & RECONSTRUCTION OF EXPORT BUILDING AND FUMIGATION FACILITY VUNA ROAD, MAUFANGA NUKU'ALOFA - TONGA	DRAWING TITLE: PACKING SHED - NEW ROOF DETAILS	SCALE: 018T	DESIGN BY: A2.02	DRAWN BY: B

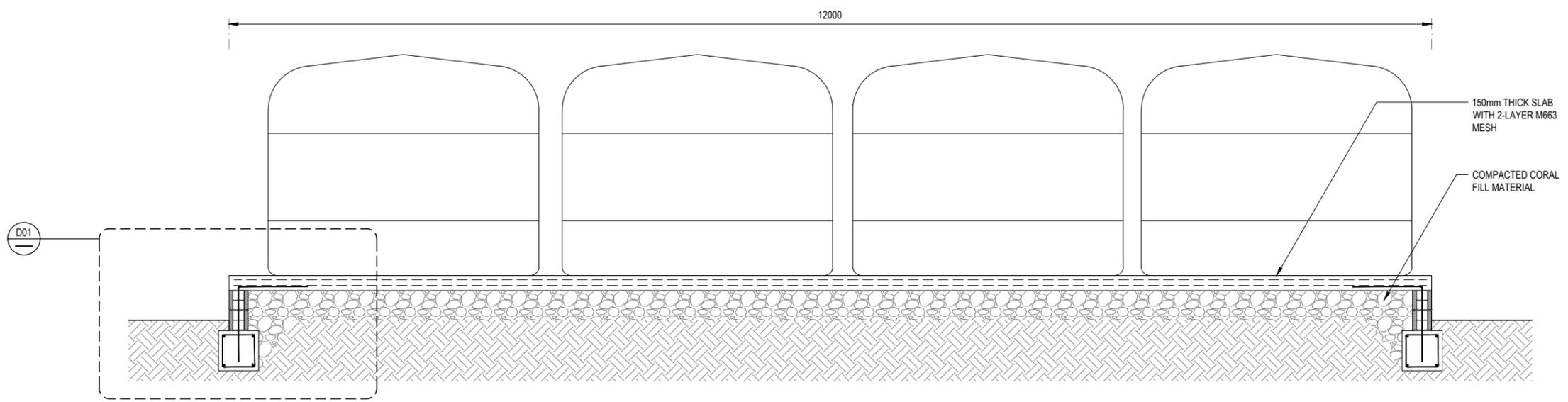


L04 FUMIGATION BUILDING PLAN
SCALE 1:200@A3



D01 FOOTING PLAN
SCALE 1:25@A3

- NOTES:**
1. ALL DIMENSION TO BE CONFIRMED ON SITE
 2. STRICTLY REFER MANUFACTURE SPECIFICATION FOR INSTALLATION OF NEW LIGHT AND FAN
- DEMOLITION NOTES:**
1. ALLOW TO REMOVED BREAKAGE MOSQUITO NET AND REPLACE
 2. REMOVE EXISTING GUTTER AND DOWN PIPE ON SOUTHEAST CORNER
- SCOPE OF WORK:**
1. REPLACE NEW ALL EXISTING INSECT SCREEN ON WINDOWS
 2. REPAIR AND MAKE GOOD BROKEN LIGHTING FITTING
 3. INSTALL NEW 6 'WHIRY BIRD EXHAUST FAN' ON ROOF
 4. REPLACE NEW GUTTER AND DOWN PIPE AT NORTHEAST CORNER AND CONNECT TO WATER TANK
 5. ALLOW CONNECT ALL DOWN PIPE TO NEW WATER TANK
 6. FIX UP ROOF LEAKS AT FUMIGATION SHED AND MAKE GOOD



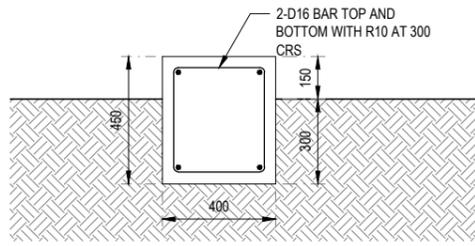
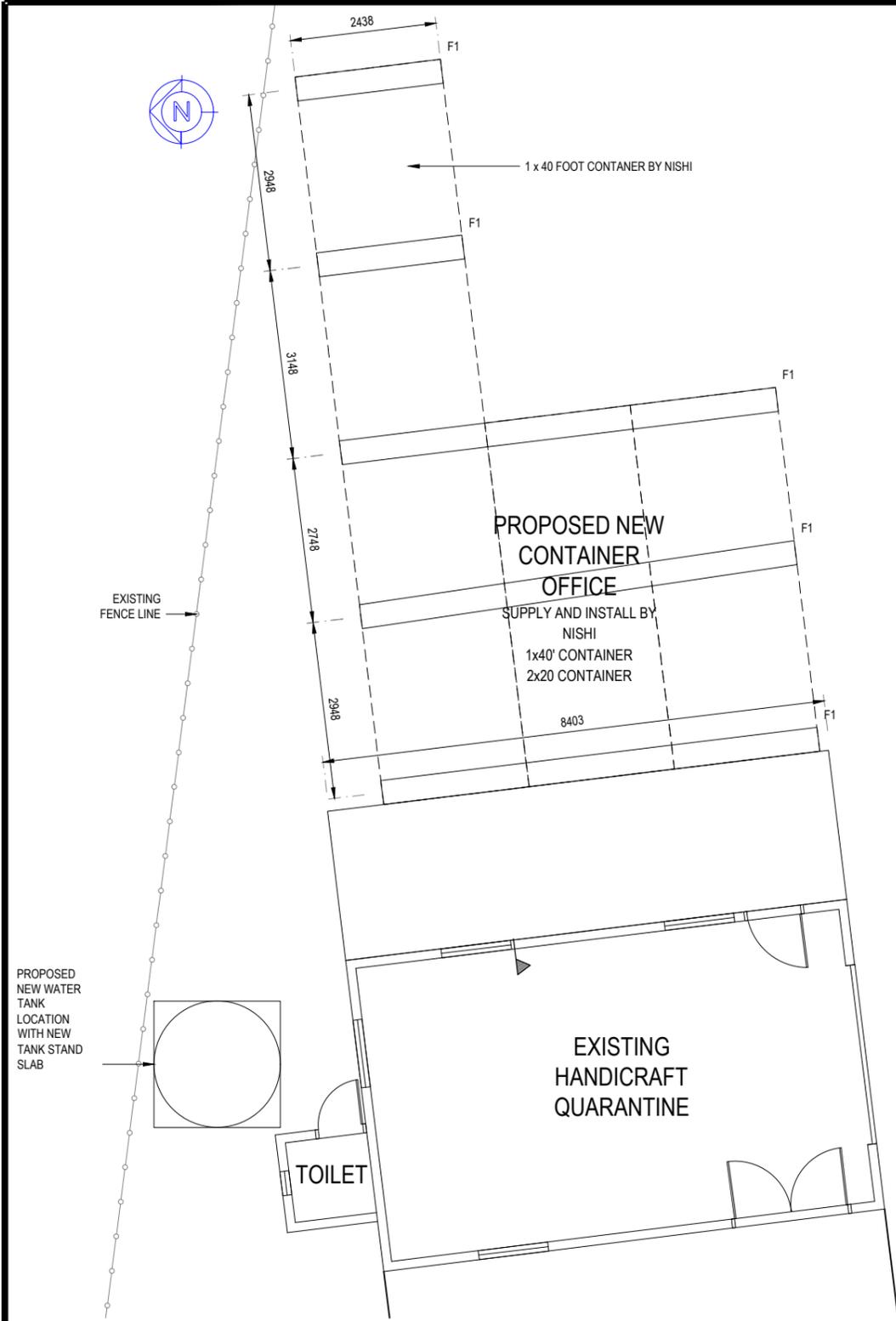
S01 WATER TANK STANK CROSS SECTION
SCALE 1:50@A3

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	JOB NO.: 018T	DRAWING NO.: A3.01	REV: B										

SCOPE OF WORK

1. ALLOW TO CONNECT FROM EXISTING FACILITY THE ELECTRICAL SUPPLY FOR THE CONTAINER
2. EACH CONTAINER SHALL HAVE 1 - AIR CONDITION PER ROOM WITH REMOTE CONTROL

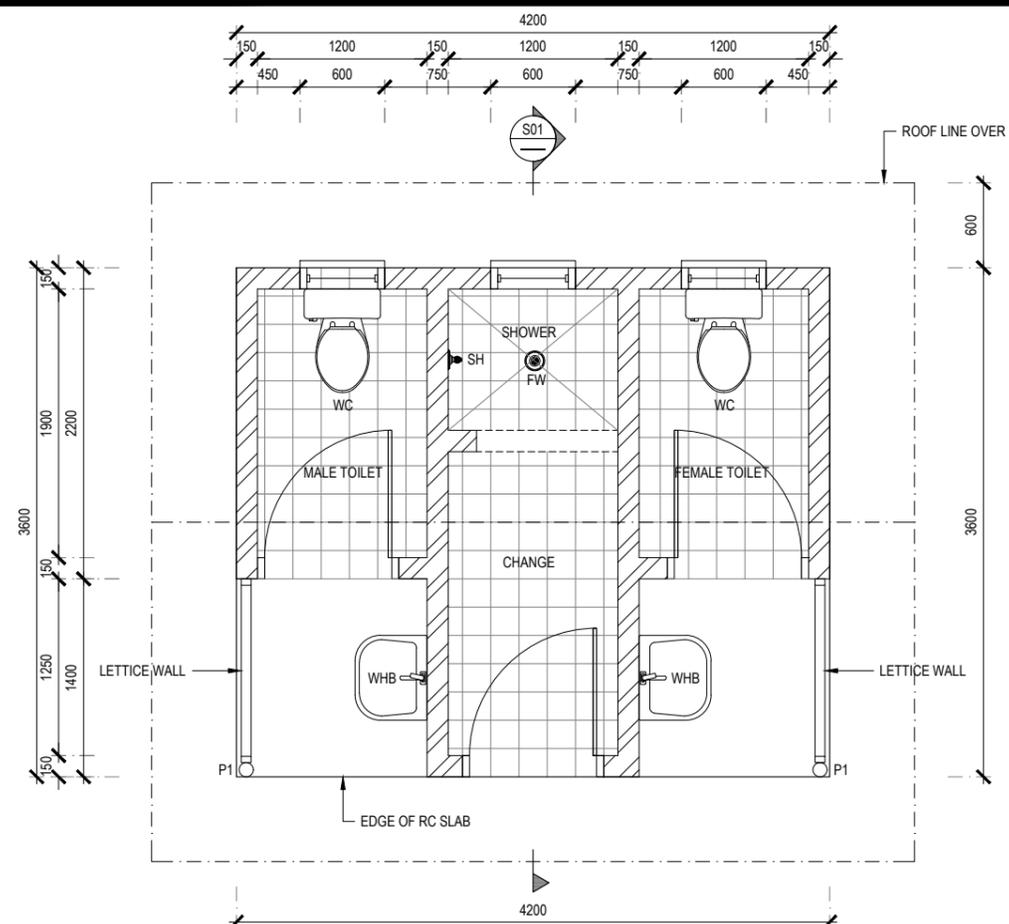


D01 CONTAINER FOOTING F1
SCALE 1:25@A3

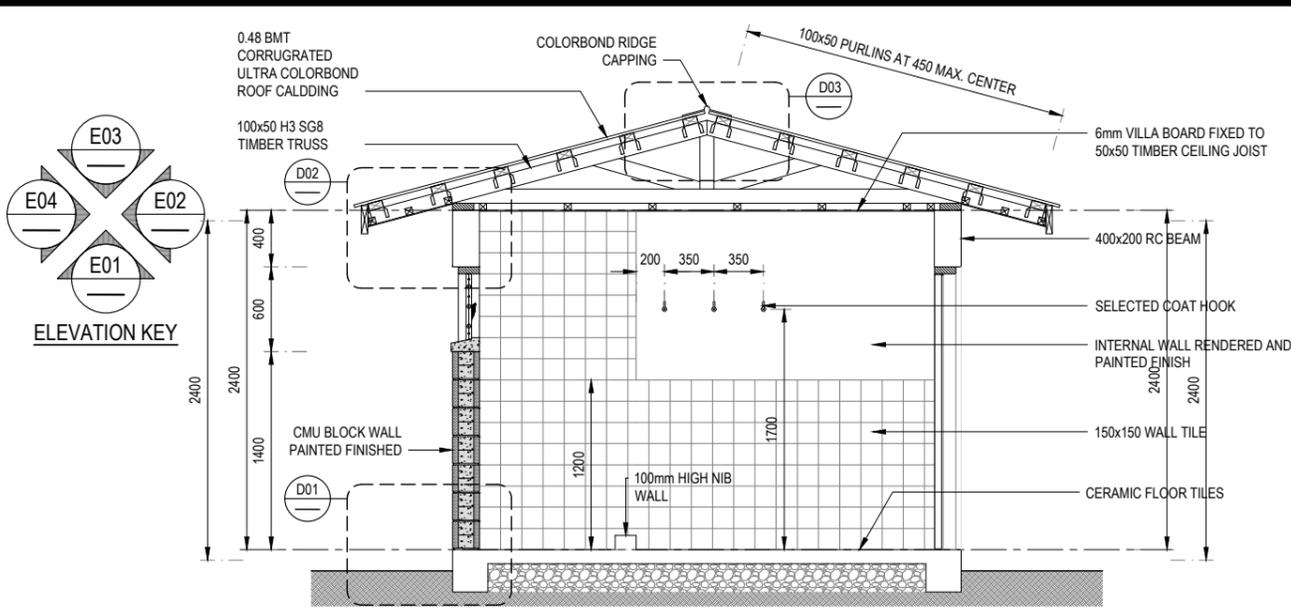
L05 HANDICRAFT OFFICE EXTENSION AND CONTAINER FOOTING PLAN
SCALE 1:100@A3

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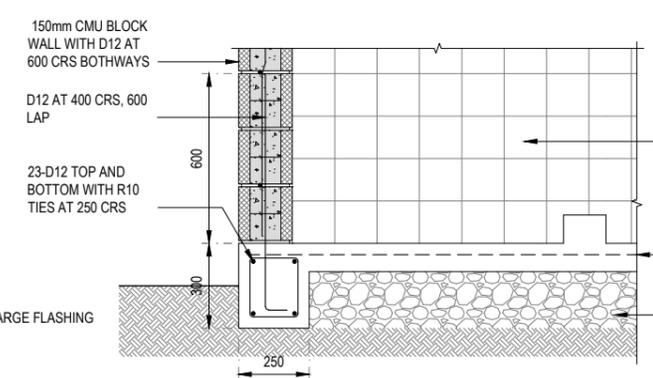
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	JOB NO.: 018T		DRAWING NO.: A3.02		REV: B						



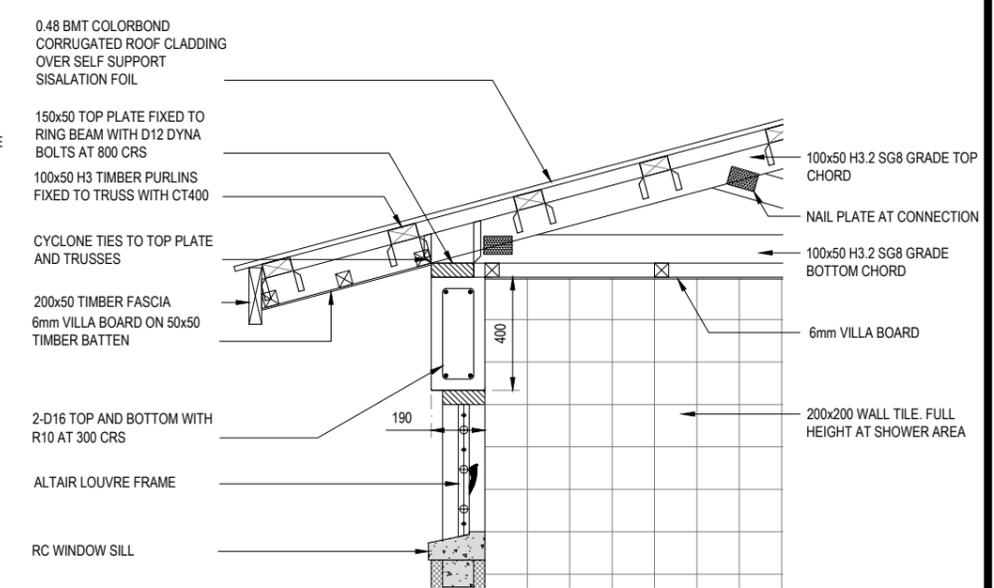
L01 TOILET AND SHOWER PLAN
SCALE 1:50@A3



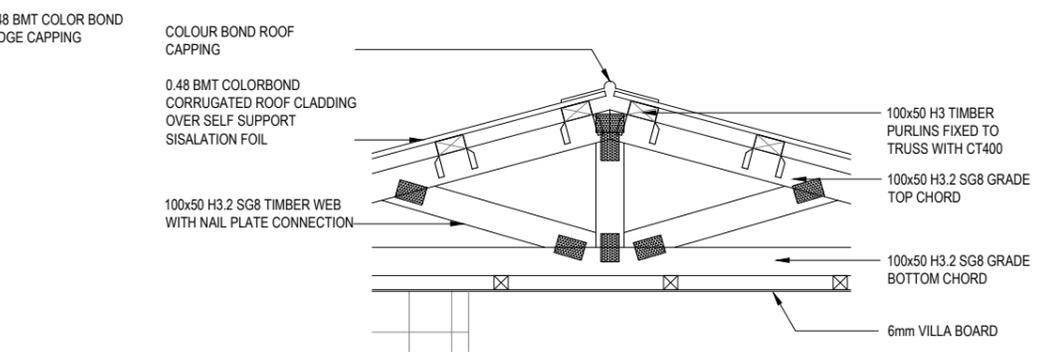
S01 TOILET AND SHOWER SECTION
SCALE 1:50@A3



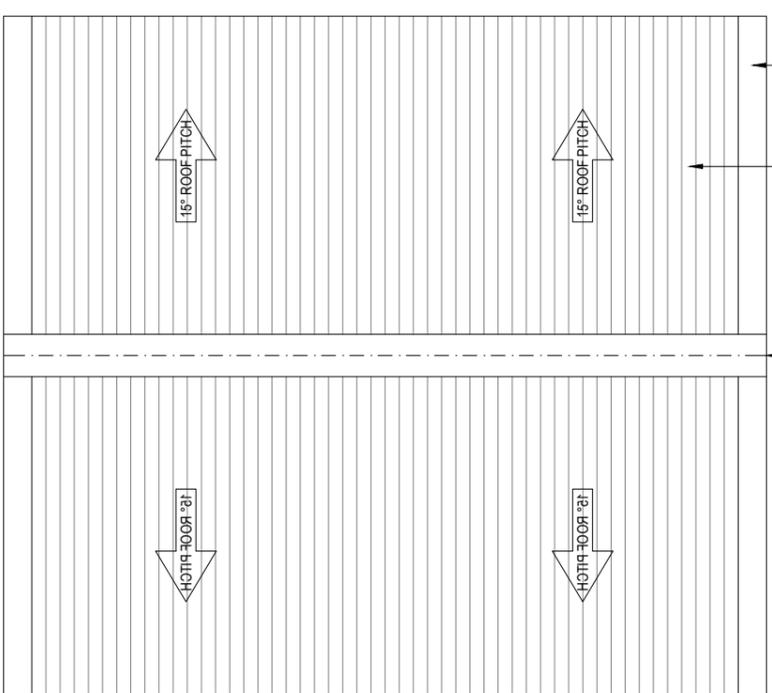
D01 FOOTING AND SLAB DETAIL
SCALE 1:25@A3



D02 RING BEAM AND TRUSS CONNECTION
SCALE 1:25@A3



D03 TRUSS AND APPEX FIXING DETAIL
SCALE 1:25@A3



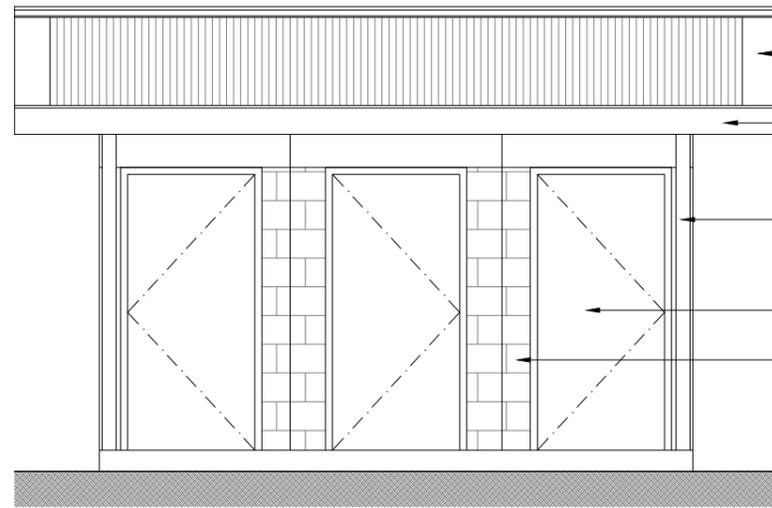
L02 TOILET AND SHOWER ROOF PLAN
SCALE 1:50@A3

NOTES:
ALL PLUMBING WORK TO BE CONNECT TO EXISTING SEPTIC TANK AND SOAK PIT
MAIN WATER SUPPLY TO BE CONNECTED TO EXISTING DOMESTIC WATER SUPPLY
ALL DIMENSION TO BE CONFIRMED ON SITE

LEGEND:
WC WATER CLOSET
SH SHOWER HEAD
WHB WASH HAND BASIN
FW FLOOR WASTE

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	JOB NO.: 018T	DRAWING NO.: A4.01	REV: B										



FLASH CAPPING

FASCIA BOARD

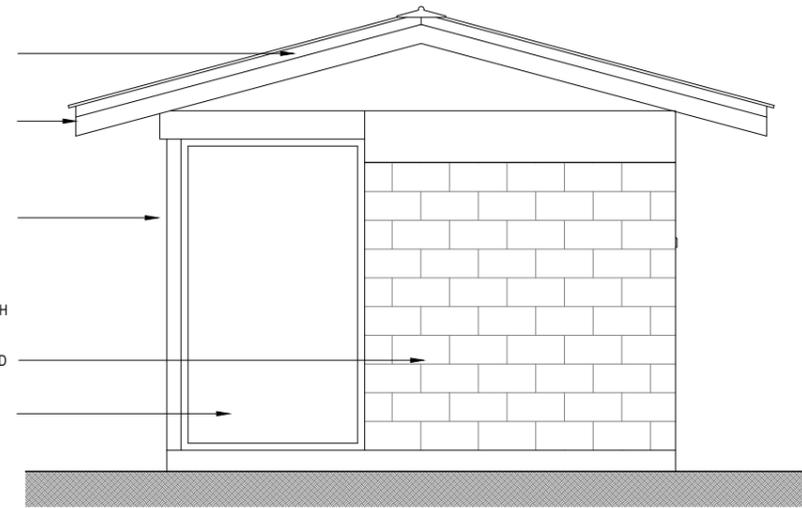
50mm CHS POST. PAINTED FINISH

SOLID CORE DOOR, PAINTED FINISH

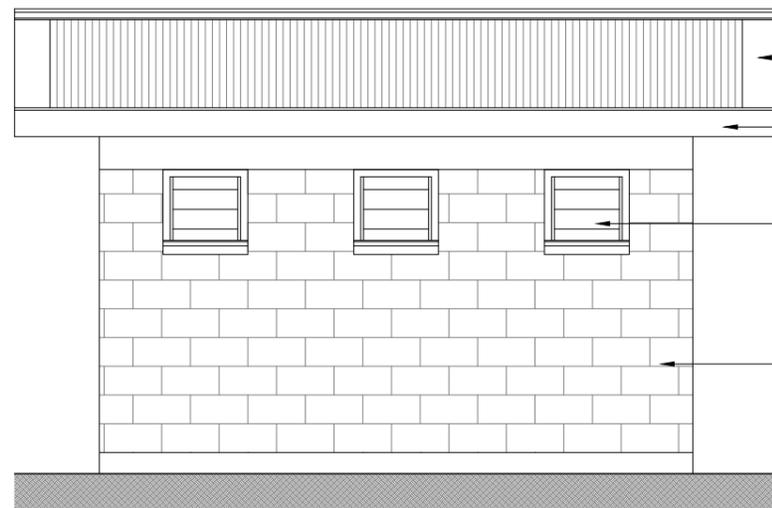
150mm CMU BLOCK WALL. PAINTED FINISH

LATTICE PANEL ON 75x50 TIMBER FRAME, PAINTED FINISH

E01 TOILET AND SHOWER - FRONT ELEVATION
SCALE 1:50@A3



E02 TOILET AND SHOWER - SIDE ELEVATION
SCALE 1:50@A3



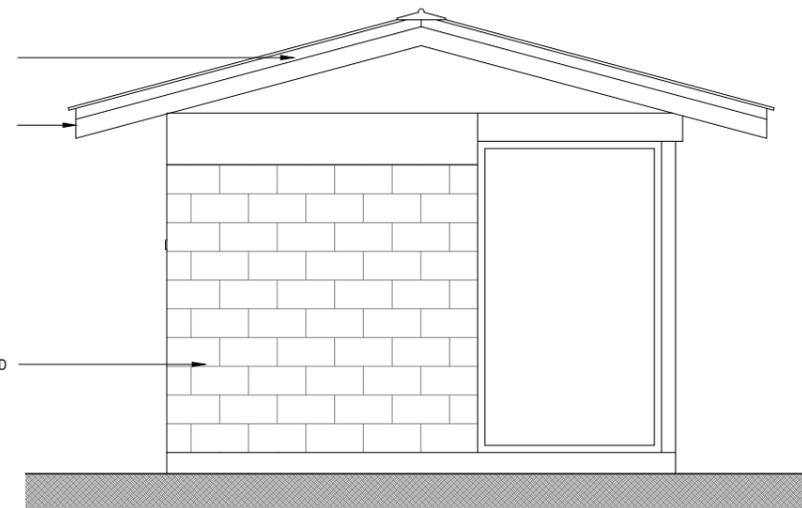
FLASH CAPPING

FASCIA BOARD

ALTAIR LOUVRE FRAME

150mm CMU BLOCK WALL. PAINTED FINISH

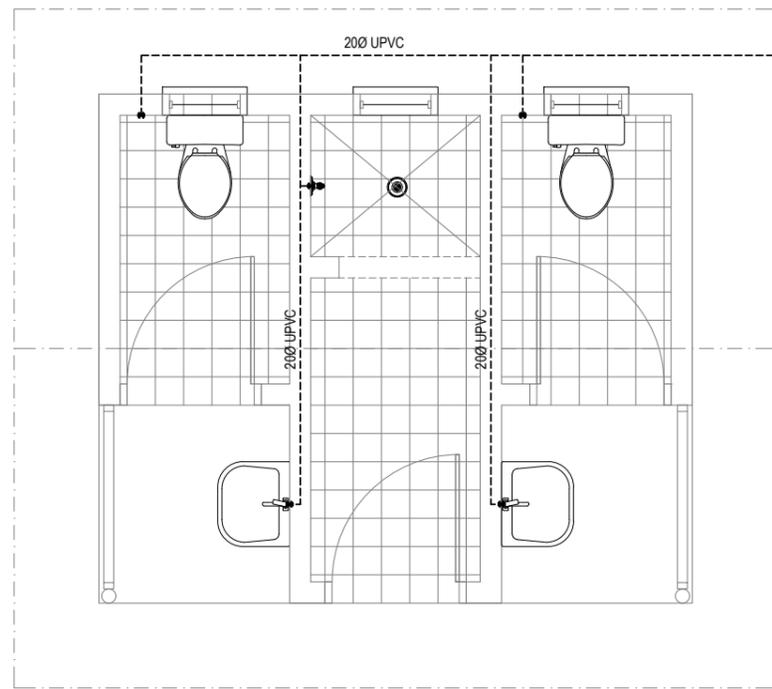
E03 TOILET AND SHOWER - REAR ELEVATION
SCALE 1:50@A3



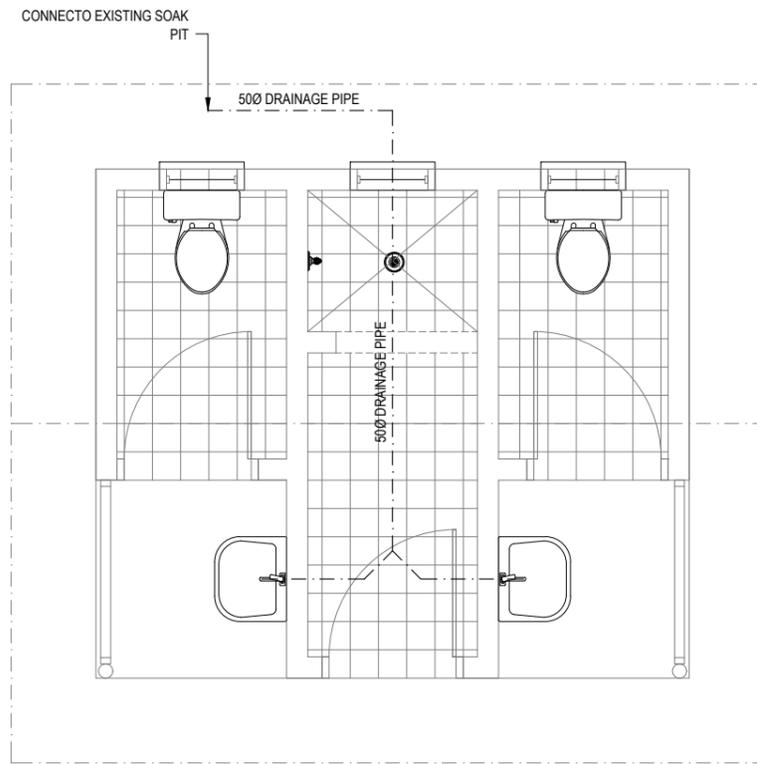
E04 TOILET AND SHOWER - SIDE ELEVATION
SCALE 1:50@A3

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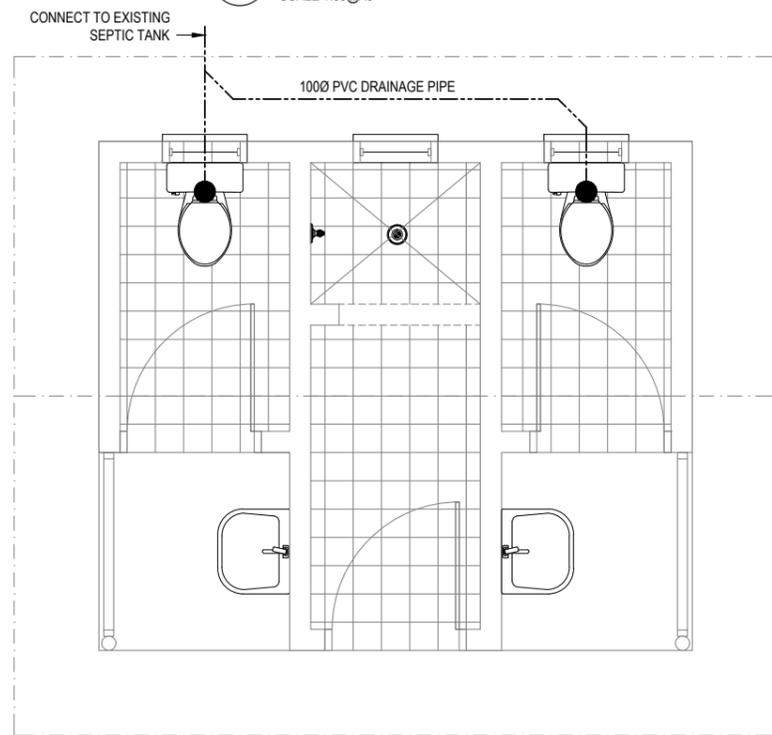
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	A	BK	21.05.2019	FOR TENDER	DA	CALIBRE PROJECT MANAGERS Consulting Engineers & Project Managers Level 1, Harbour Building 100, Vuna Road, Maufanga Nuku'alofa, Tonga Email: cpm@cpmgroup.com Phone: 00676 75000 Mobile: 7741175			UNDP REPAIR & RECONSTRUCTION OF EXPORT BUILDING AND FUMIGATION FACILITY VUNA ROAD, MAUFANGA NUKU'ALOFA - TONGA	BLOCK E - TOILET AND SHOWER ELEVATION	AS SHOWN	DA	CPM
	B	ST	25/09/2020	FOR TENDER	DA						018T	A4.02	B



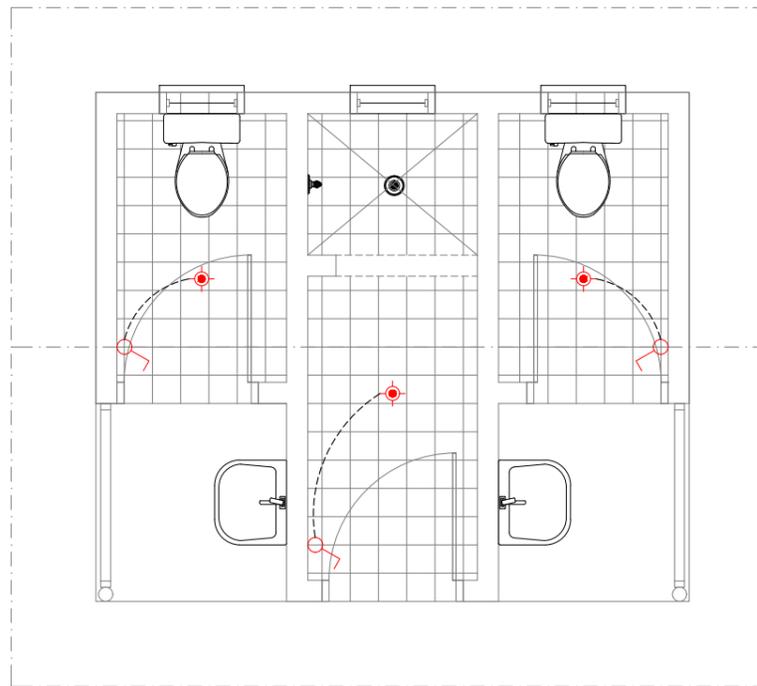
L01 COLD WATER RETICULATION LAYOUT
SCALE 1:50@A3



L02 COLD WATER RETICULATION LAYOUT
SCALE 1:50@A3



L03 GRAY WATER LAYOUT
SCALE 1:50@A3



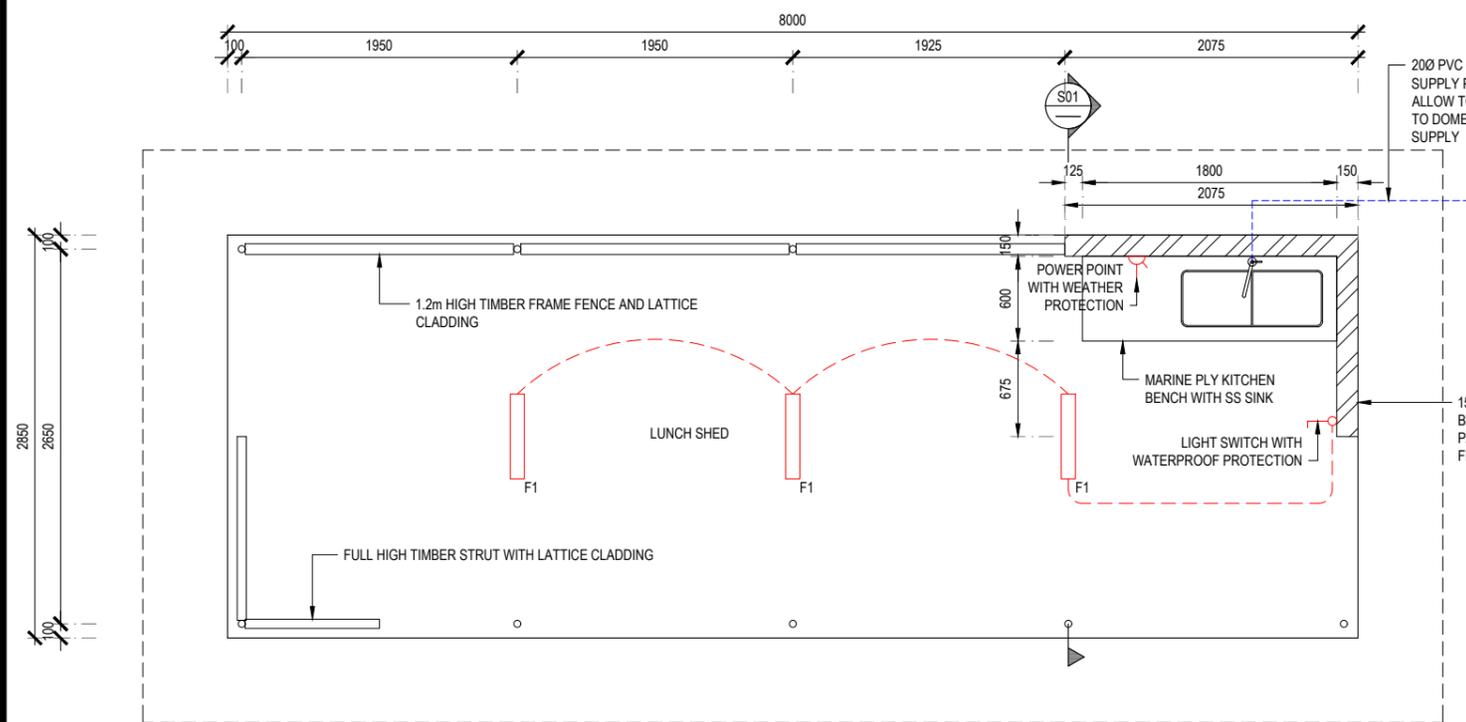
L04 ELECTRICAL LAYOUT
SCALE 1:50@A3

- 10A LIGHT SWITCH. NOMINALLY MOUNTED 1200mm AFFL UNLESS NOTED OTHERWISE. 15A WHERE INDICATED.
- LED CEILING MOUNT LIGHT BULB

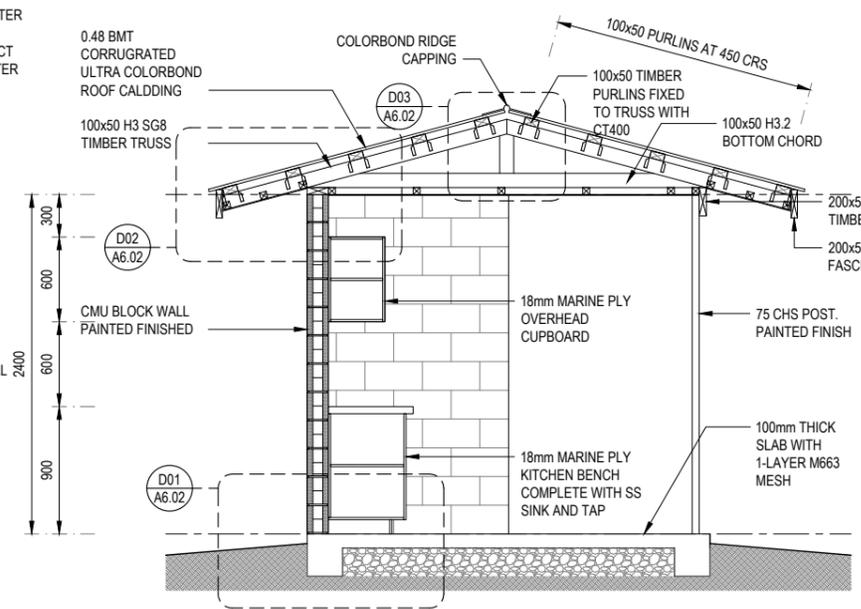
NOTES: CONTRACTOR TO CHECK EXISTING MAIN SWITCH BOARD AND ALLOW TO CONNECT NEW LAYOUT TO MAIN SWITCH BOARD

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L01 NEW DINING SHED FLOOR PLAN
SCALE 1:50@A3



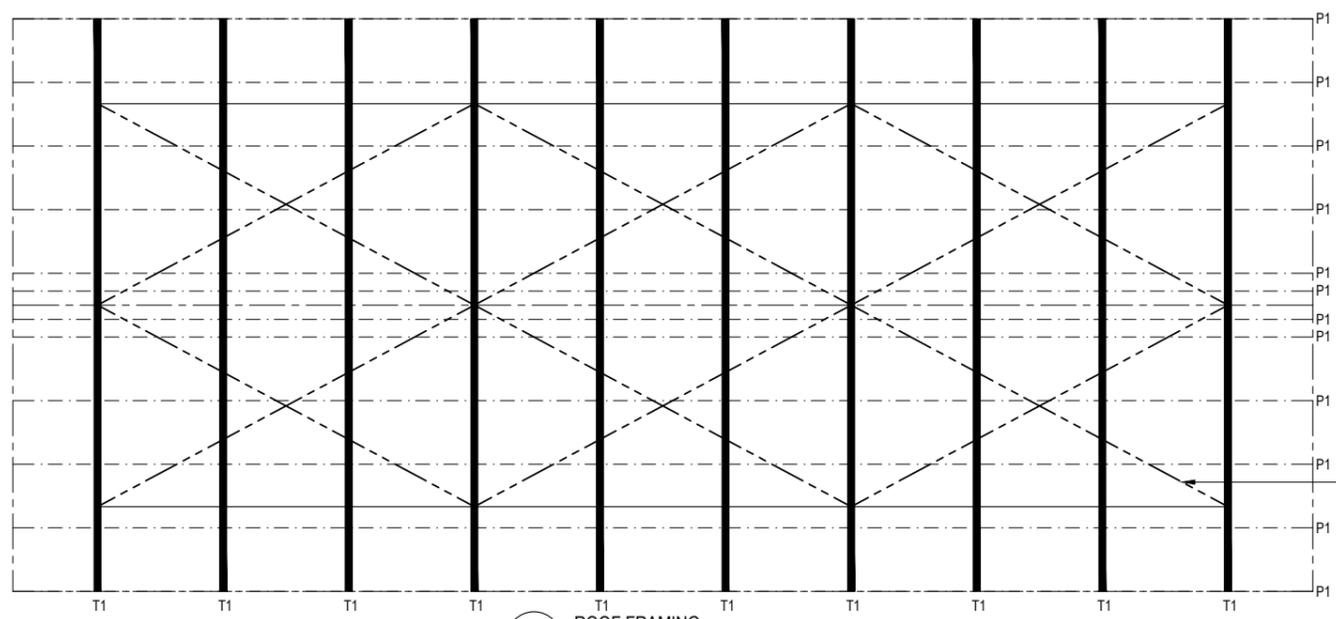
S01 NEW DINING SHED SECTION
SCALE 1:50@A3

NOTES:
ALL PLUMBING WORK TO BE CONNECT TO EXISTING SOAK PIT
MAIN WATER SUPPLY TO BE CONNECTED TO EXISTING DOMESTIC WATER SUPPLY
ALL DIMENSION TO BE CONFIRMED ON SITE

LEGEND:
F1 600mm LONG LED LIGHT TUBE ON WEATHER PROOF COVER
P1 100x 50 TIMBER PURLIN
T1 ROOF TRUSS AT 800 CRS

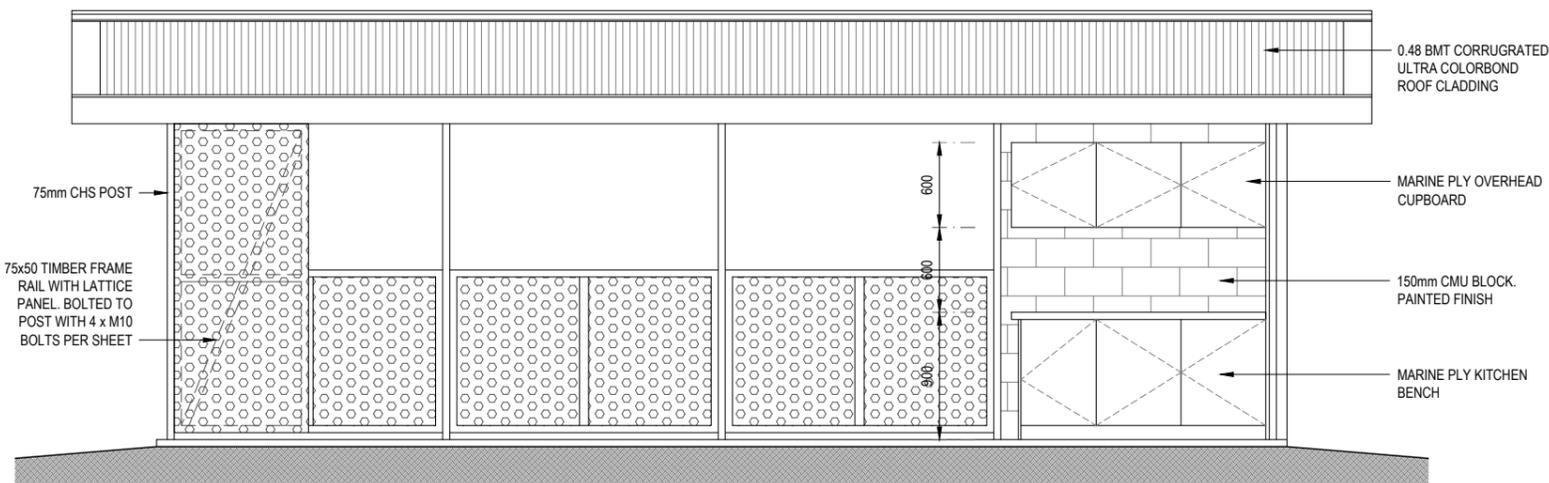
PLUMBING:
ALLOW TO CONNECT NEW WATER SUPPLY TO DOMESTIC WATER
DRAINAGE WATER FROM NEW SINK TO CONNECT TO EXISTING SOAK PIT

ELECTRICAL:
CONTRACTOR TO CONNECT NEW LIGHT TO EXISTING SWITCH BOARD



L02 ROOF FRAMING
SCALE 1:50@A3

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	JOB NO.: 018T	DRAWING NO.: A5.01	REV: B										

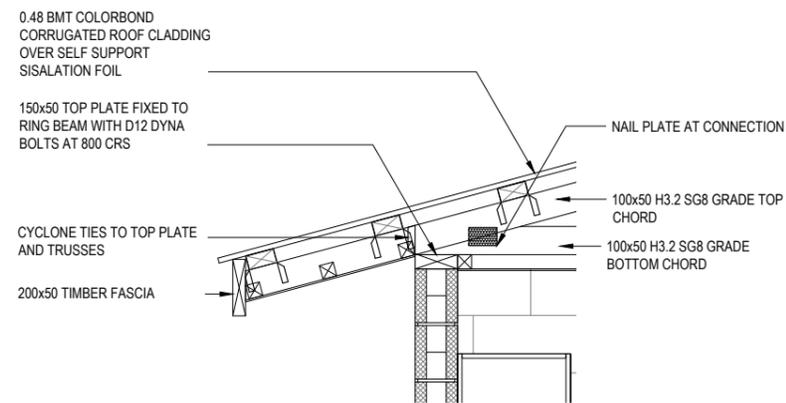


E01 SHED ELEVATION
SCALE 1:50@A3

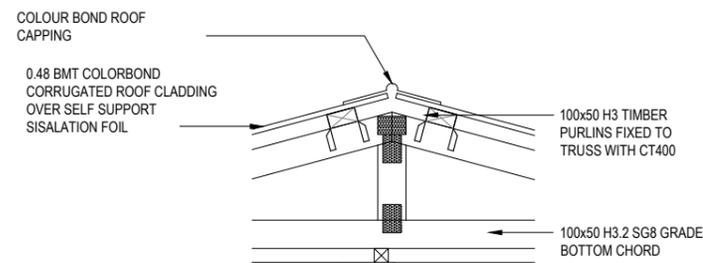
NOTES:
ALL PLUMING WORK TO BE CONNECT TO EXISTING SOAK PIT

MAIN WATER SUPPLY TO BE CONNECTED TO EXISTING DOMESTIC WATER SUPPLY

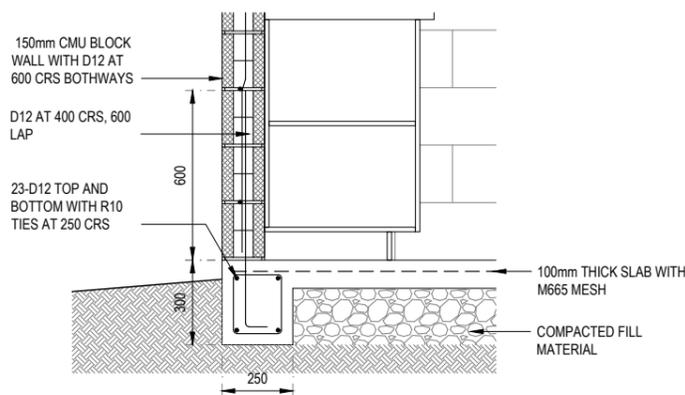
ALL DIMENSION TO BE CONFIRMED ON SITE



D02 EAVES DETAILS
A6.01 SCALE 1:25@A3



D03 APPEX DETAILS
A6.01 SCALE 1:25@A3

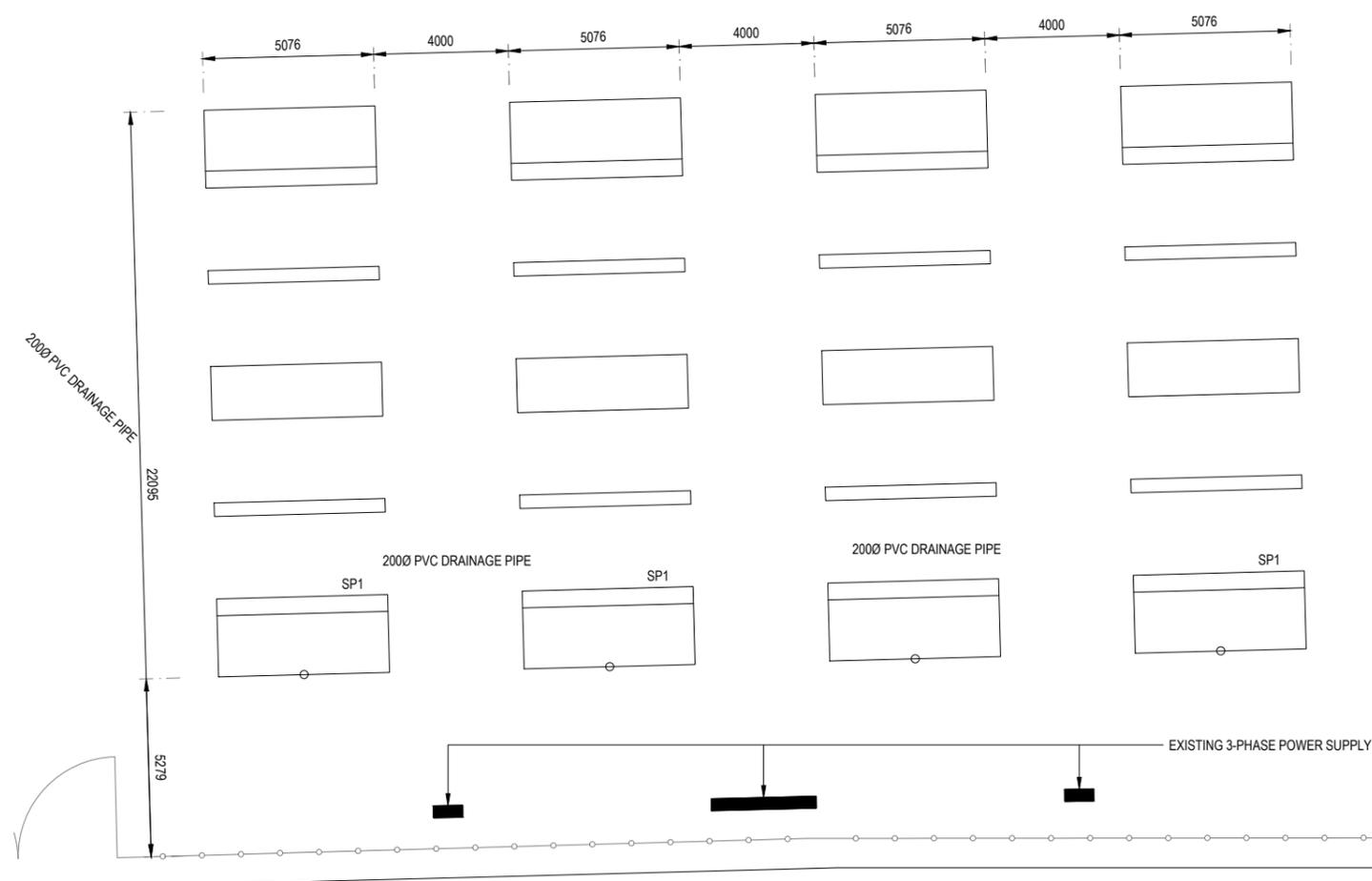


D01 FOOTING DETAILS
A6.01 SCALE 1:25@A3

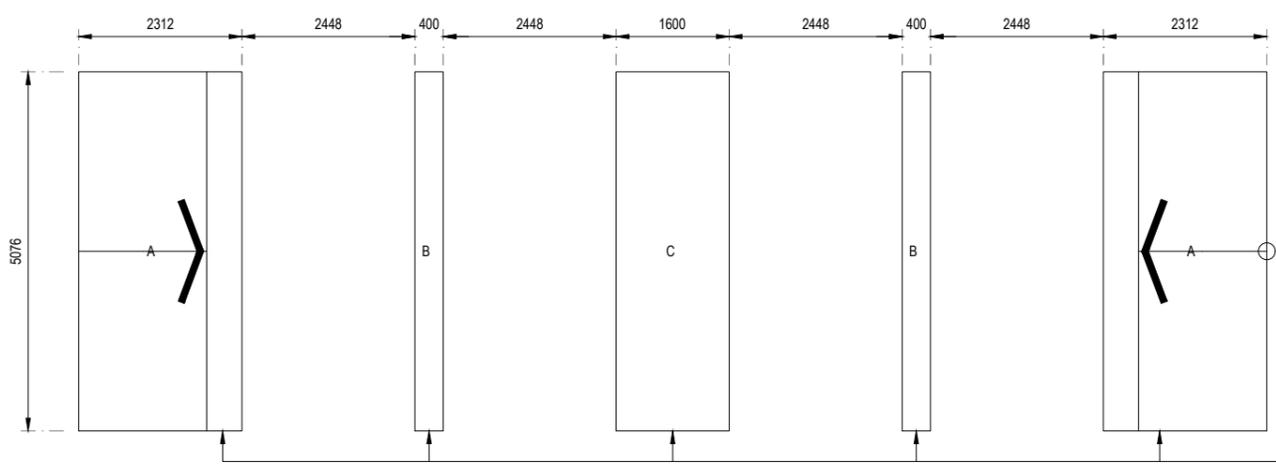
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	REV B	BY ST	DATE 25/09/2020	DESCRIPTION FOR TENDER	CHK DA						SCALE: 018T	DESIGN NO.: A5.02	REV B

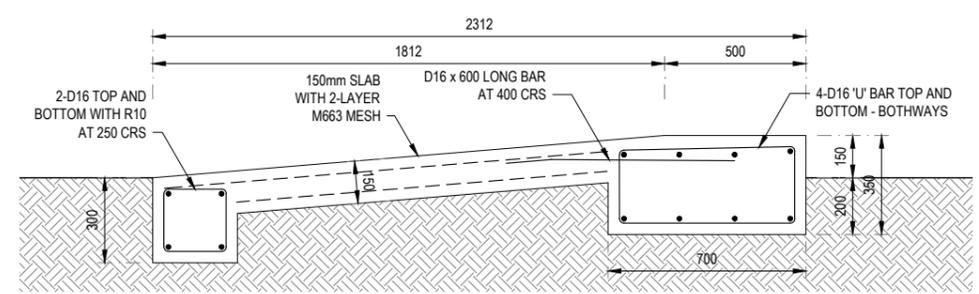
- NOTES:**
1. ALL DIMENSION TO BE CONFIRMED ON SITE
 2. EXISTING UNDERGROUND SERVICES TO BE LOCATED PRIOR COMMENCING OF THE CONSTRUCTION



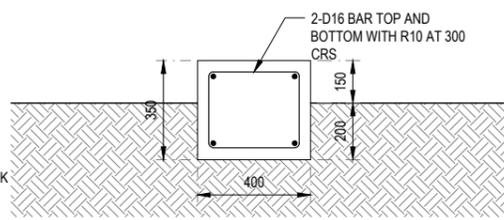
L07 CONTAINER RACK PLAN
SCALE 1:200@A3



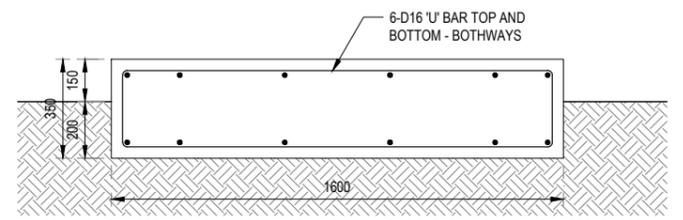
10A RC RACK PLAN



D01 CONTAINER RACK PART 'A' - RAMP UP
SCALE 1:25@A3



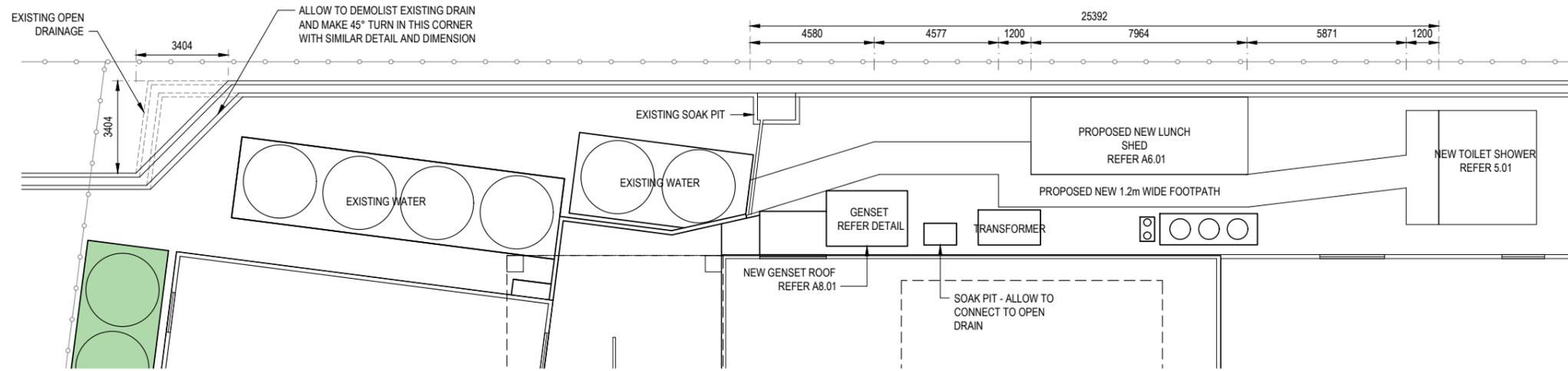
D02 CONTAINER RACK PART 'B' - MID SUPPORT
SCALE 1:25@A3



D03 CONTAINER RACK PART 'C' - PASSAGE WAY
SCALE 1:25@A3

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	JOB NO.: 018T	DRAWING NO.: A6.01	REV: B										



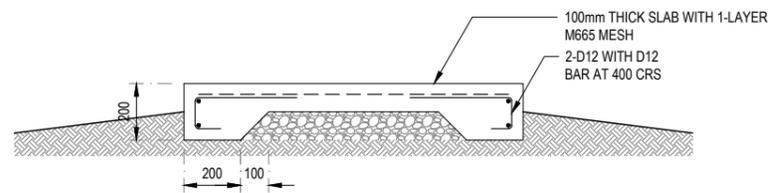
L08 MISCELLANEOUS WORK PLAN
SCALE 1:200@A3

NOTES:

1. ALL DIMENSION TO BE CONFIRMED ON SITE

SCOPE OF WORK:

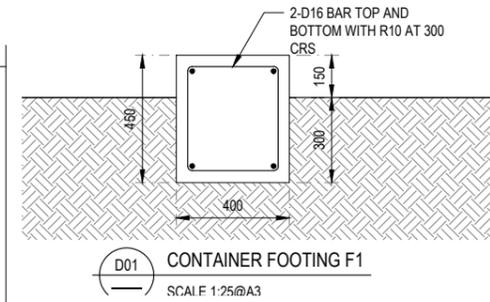
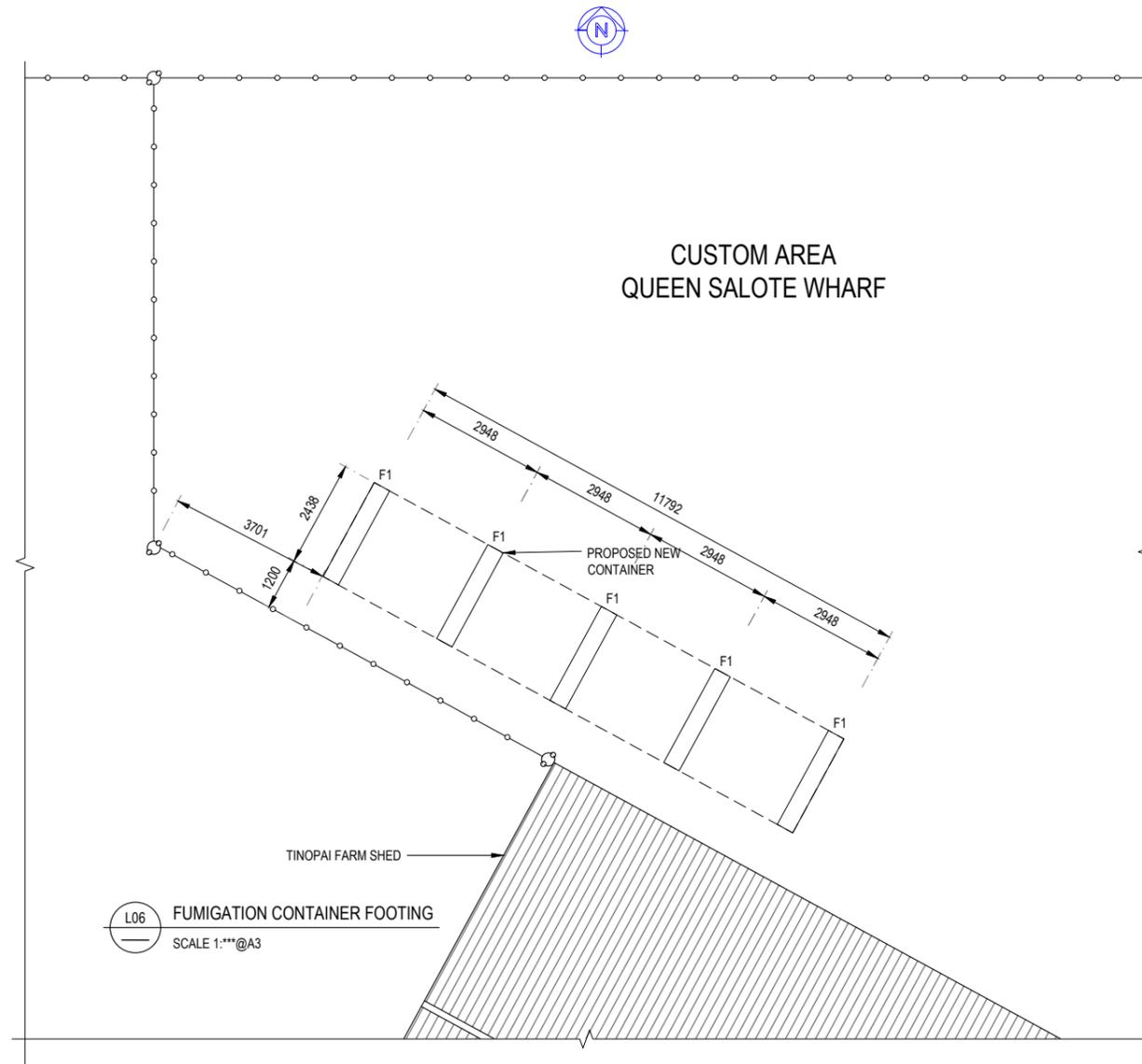
1. CONSTRUCT NEW GENERATOR SHED AND SECURITY PROTECTION
2. CONSTRUCT NEW 1.2m ACCESS PATH TO NEW TOILET BLOCK
3. CONSTRUCT NEW TOILET BLOCK, LUNCH SHED AND LOCATED ON PLAN
4. EXISTING SOAK PIT TO CONNECT TO OPEN DRAIN
5. WATER POND AT EXISTING WATER TANK AREA - ALLOW TO CUT EXISTING CONCRETE FLOOR SLAB TO DRAIN WATER. MAKE FALL TO NEAREST DRAIN. ALL WATER BOND APPEAR ON EXISTING SLAB TO MAKE SIMILAR DRAIN



D01 FOOTPATH DETAIL
SCALE 1:25@A3

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	A	BK	21.05.2019	FOR TENDER	DA	CALIBRE PROJECT MANAGERS Consulting Engineers & Project Managers Level 1, Fairview Building 100, Vuna Road, Suva, FOMU Bldg Suva, Fiji Email: cpm@cpm.com Phone: 3222222 Fax: 3222222			UNDP REPAIR & RECONSTRUCTION OF EXPORT BUILDING AND FUMIGATION FACILITY VUNA ROAD, MAUFANGA NUKU'ALOFA - TONGA	MISCELLANEOUS SITE WORK	AS SHOWN	DA	CPM
	B	ST	25/09/2020	FOR TENDER	DA						018T	A7.01	B

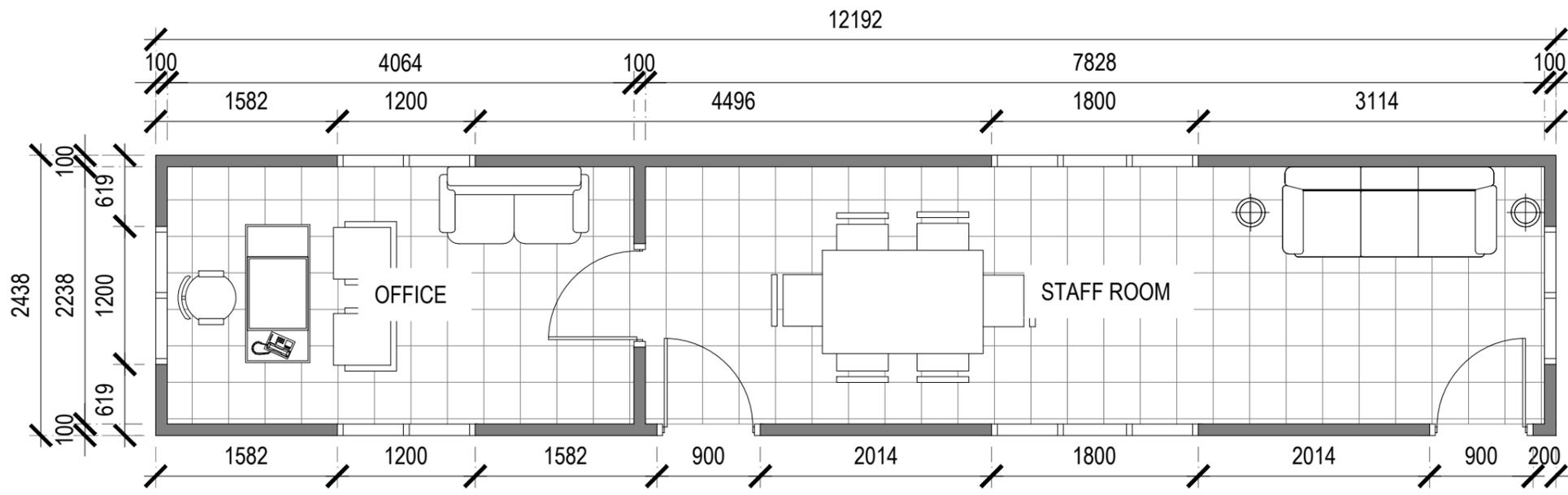


L06 FUMIGATION CONTAINER FOOTING
SCALE 1:***@A3

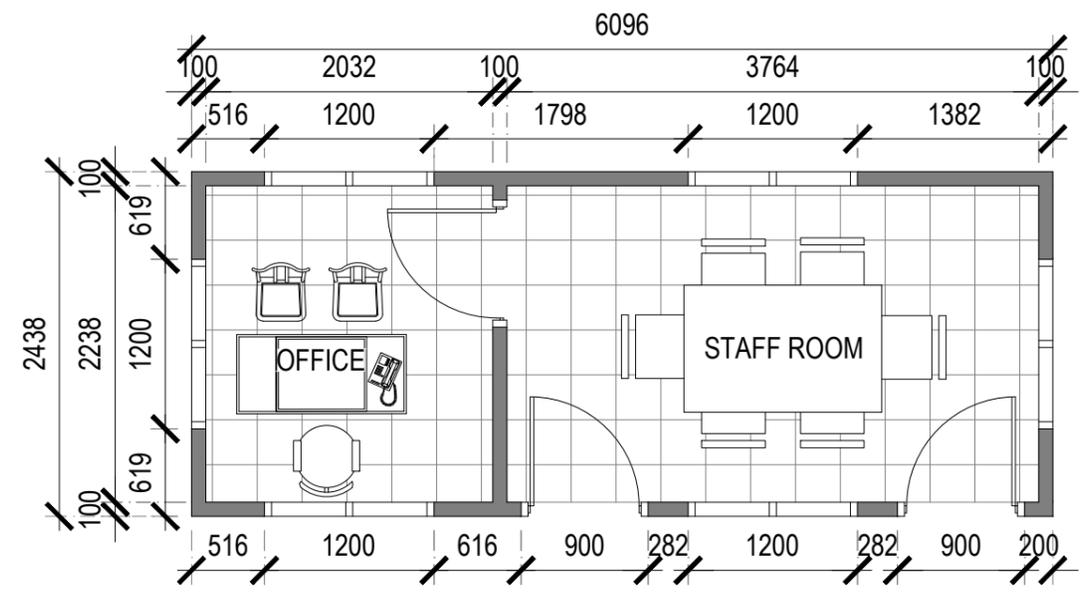
D01 CONTAINER FOOTING F1
SCALE 1:25@A3

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	A	BK	21.05.2019	FOR TENDER	DA	CALIBRE PROJECT MANAGERS Consulting Engineers & Project Managers <small>Level 1, Fairweather Building, 100, Vuna Road, Maufanga, Nuku'alofa, Tonga</small>			UNDP REPAIR & RECONSTRUCTION OF EXPORT BUILDING AND FUMIGATION FACILITY VUNA ROAD, MAUFANGA NUKU'ALOFA - TONGA	FUMIGATION CONTAINER FOOTING PLAN AND DETAILS	AS SHOWN	DA	CPM
	B	ST	25/09/2020	FOR TENDER	DA						018T	A8.01	B



L10 40-FOOT CONTAINER LAYOUT
SCALE 1:50@A3



L11 20-FOOT CONTAINER LAYOUT
SCALE 1:50@A3

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	REV B	BY ST	DATE 25/09/2020	DESCRIPTION FOR TENDER	CHK DA	DONORS: 	CLIENTS: 	PROJECT TITLE: UNDP REPAIR & RECONSTRUCTION OF EXPORT BUILDING AND FUMIGATION FACILITY VUNA ROAD, MAUFANGA NUKU'ALOFA - TONGA	DRAWING TITLE: CONTAINER LAYOUT	SCALE: AS SHOWN	DESIGN BY: DA	DRAWN BY: CPM	
	JOB NO.: 018T	DRAWING NO.: A9.01	REV: B										