



# 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 – 21/05/2019

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	
<del>A4.01</del>	<del>STORAGE PLAN ELEVATION, SECTION AND DETAILS</del>	
A5.01	TOILET & SHOWER FLOOR, ROOF PLAN, SECTION AND CONSTRUCTION DETAILS	
A5.02	BLOCK F – TOILET AND SHOWER ELEVATION	
A5.03	BLOCK F - SERVICES	
A6.01	BLOCK G – LUNCH SHED: FLOOR, ROOF PLAN, SECTION AND CONSTRUCTION DETAIL	
A6.02	BLOCK G – LUNCH SHED: FLOOR, ROOF PLAN, SECTION AND CONSTRUCTION DETAIL	
A7.01	BLOCK G – CONTAINER RACK DETAIL	
A8.01	MISCELLANEOUS SITE WORKS	
<del>A8.02</del>	<del>SOAK PIT DETAIL</del>	
A9.01	FUMIGATION CONTAINER FOOTING PLAN AND DETAIL	
<del>A9.02</del>	<del>FUMIGATION OFFICE PLAN AND DETAILS</del>	




**CALIBRE PROJECT MANAGERS**  
Consulting Engineers & Project Managers

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FOR TENDER – NOT FOR CONSTRUCTION

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

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



SCALE:  <b>AS SHOWN</b>	DESIGN BY:  <b>DA</b>	DRAWN BY:  <b>CPM</b>
JOB NO:  <b>018T</b>	DRAWING NO:  <b>SA.01</b>	REV  <b>A</b>


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**DONORS:**

CLIENTS:

The coat of arms of the Republic of Armenia is a shield-shaped emblem. It features a central red cross on a yellow background. The shield is divided into four quadrants: top-left is red with a white cross, top-right is yellow with a red cross, bottom-left is blue with a white cross, and bottom-right is yellow with a red cross. The shield is flanked by two crossed swords (dgers) and topped with a crown. A green laurel wreath encircles the crown. The motto 'ՀԱՅԿԱՆ ԵՐԱՆԻ ԵՎ ՄԱՏԻՆԻ' is inscribed on a ribbon at the bottom.

MAFF  
Government  
of  
Tonga

PROJECT TITLE:

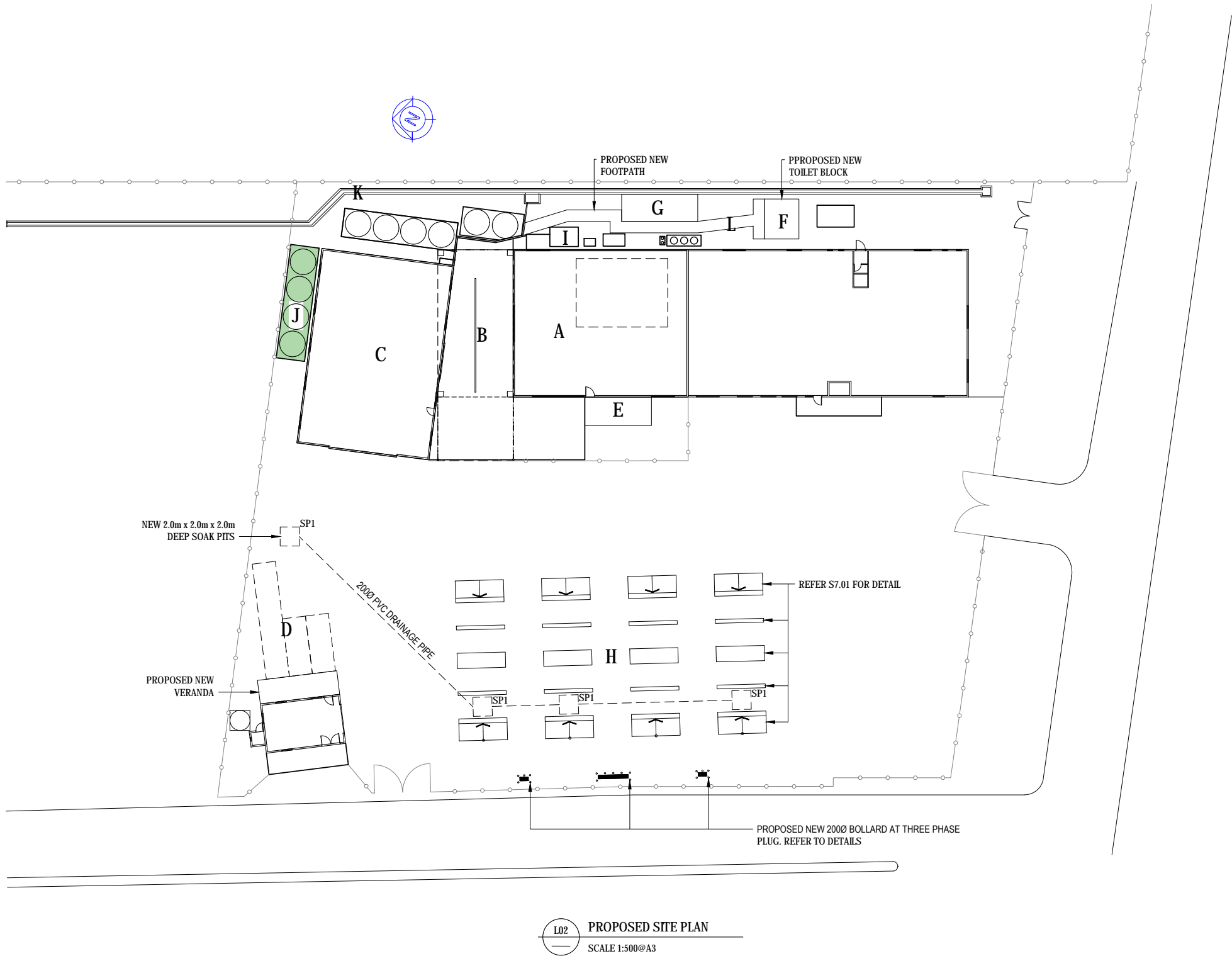
**UNDP REPAIR & RECONSTRUCTION OF EXPORT  
BUILDING AND FUMIGATION FACILITY**

**VUNA ROAD, MAUFANGA**

**NUKU'ALOFA - TONGA**

DRAWING TITLE:

**EXISTING SITE PLAN**

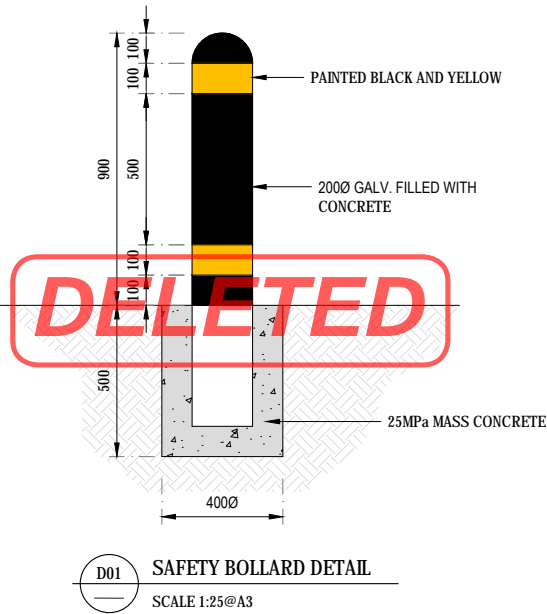


- NOTES:
1. ALL DIMENSION TO BE CONFIRMED ON SITE
  2. ALL UNDER GROUND SERVICES TO BE LOCATED PRIOR COMMENCE ANY EXCAVATION ON SITE

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 STORAGE ROOM	A4.01
F	NEW TOILET BLOCK	A5.01
G	NEW LUNCH SHED	A6.01
H	CONTAINER RACK	A7.01
I	GENERATOR SHED	A7.02
J - K	MISCELLANEOUS SITE WORK	A8.01

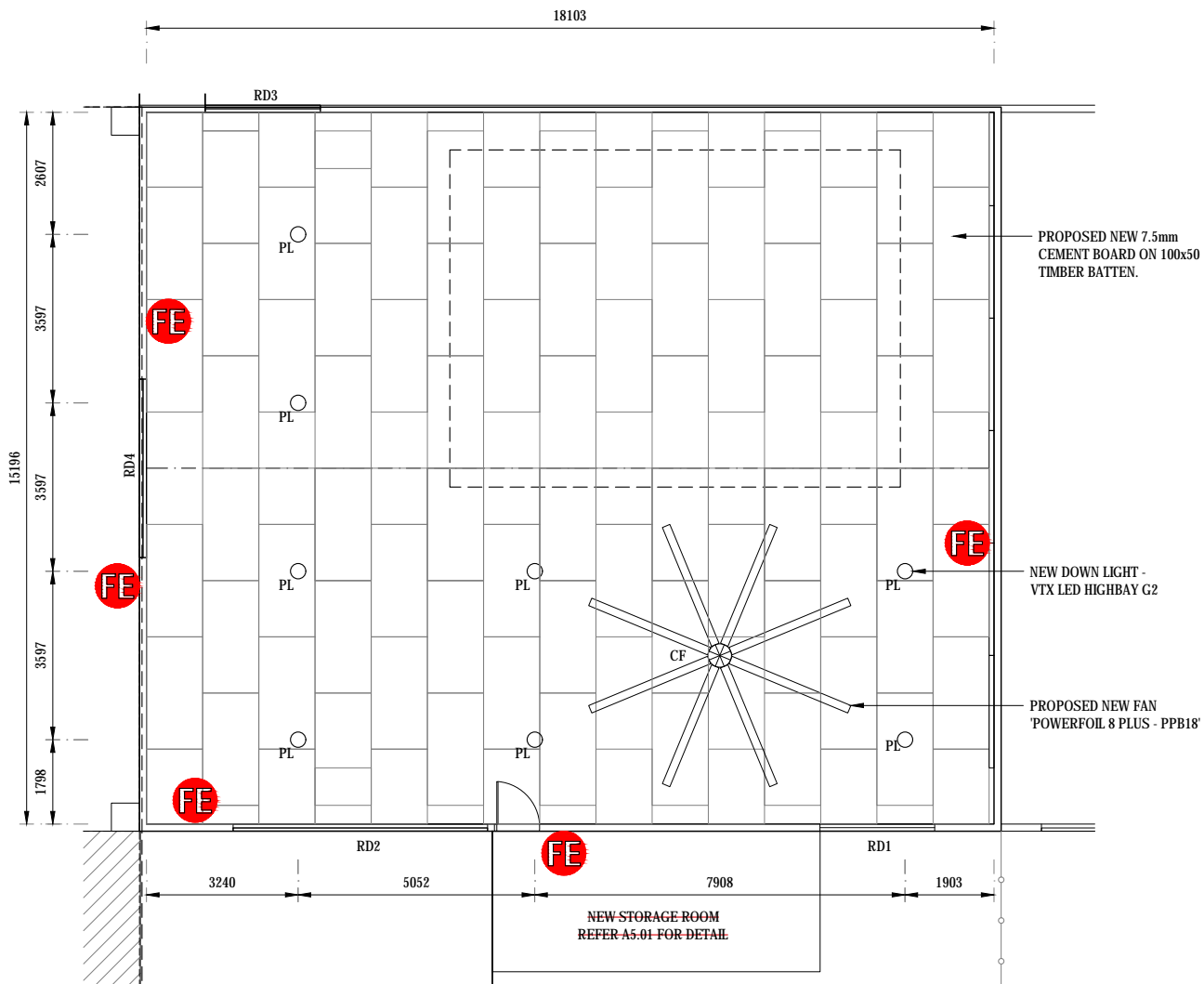
- SCOPE OF WORK:
1. INSTALL 8 x SOLAR FLOOD LIGHT TO EAST AND WEST OF THE MAIN BUILDING
  2. EXISTING DRAINAGE TO CONCRETE TO FALL TO NORTHERN BOUNDARY
  3. CONTAINER OFFICE - CONTRACTOR TO PURCHASE CONTAINER FROM NISHI TRADING. ALL DIMENTION TO BE CONFIRMED PRIOR CONSTRUCTION OF THE FOOTING
  4. CONTAINER OFFICE LOCATION TO BE CONFIRMED ON SITE
  5. INSTALL 4 x 2.0m x 2.0m x 2.0m DEEP SOAK PIT AND CONNECTED WITH 200Ø DIAMETER DRAINAGE PIPE

LEGEND:  
SP1 — DENOTED 2.0x 2.0m x 2.0m DEEP SOAK PITS

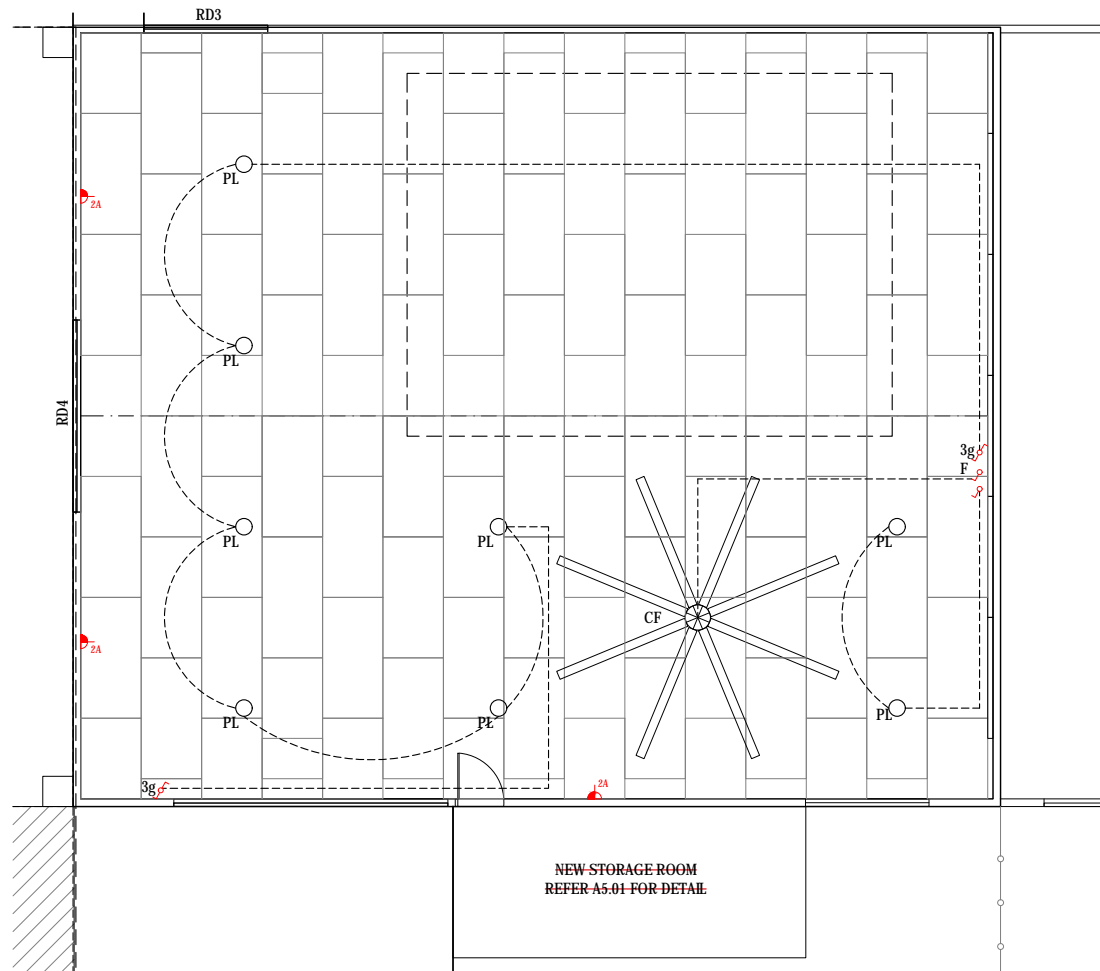


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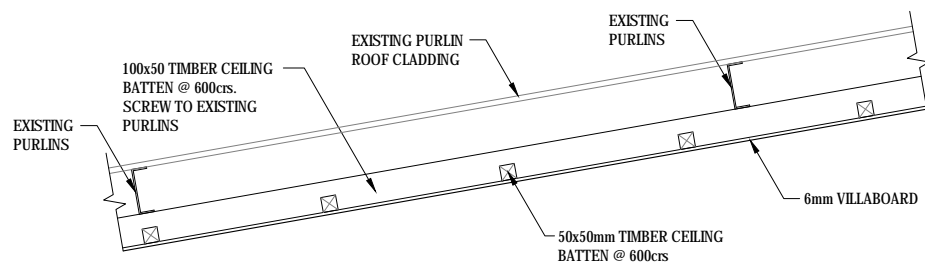
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	A	BK	21.05.2019	FOR TENDER	DA	<b>CALIBRE PROJECT MANAGERS</b> Consulting Engineers & Project Managers Level 2, Latimer Building Cnr. Wellington Rd & 10th St Suva, Fiji TONGA Email: info@cpm.fj Phone: 018 22 77 111 Fax: 018 22 77 112			UNDP REPAIR & RECONSTRUCTION OF EXPORT BUILDING AND FUMIGATION FACILITY VUNA ROAD, MAUFANGA NUKU'ALOFA - TONGA	PROPOSED SITE PLAN	AS SHOWN	DA	CPM
											JOB NO:	DRAWING NO:	REV
											018T	SA.02	A



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

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

- DEMOLITION NOTES:
- ALL EXISTING LIGHT FITTING TO BE REMOVED AND STORED
  - ALL DEMOLITION ITEM REMAIN THE PROPERTY OF MAFF UNLESS NOTED OTHERWISE

- SCOPE OF WORK:
- 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
  - EXISTING LIGHT:  
EXISTING LIGHT FITTING AND WIRING TO BE CAREFULLY REMOVE AND UPGRADE. REFER NEW LIGHT LAYOUT AND SPEC
  - ALLOW NEW 2 GPO POWER OUTLET. REFER PLAN FOR LOCATION
  - INSTALL 6 RAT TRAP AND 3 ELECTRONIC INSECT CATCHER INSIDE THE BUILDING

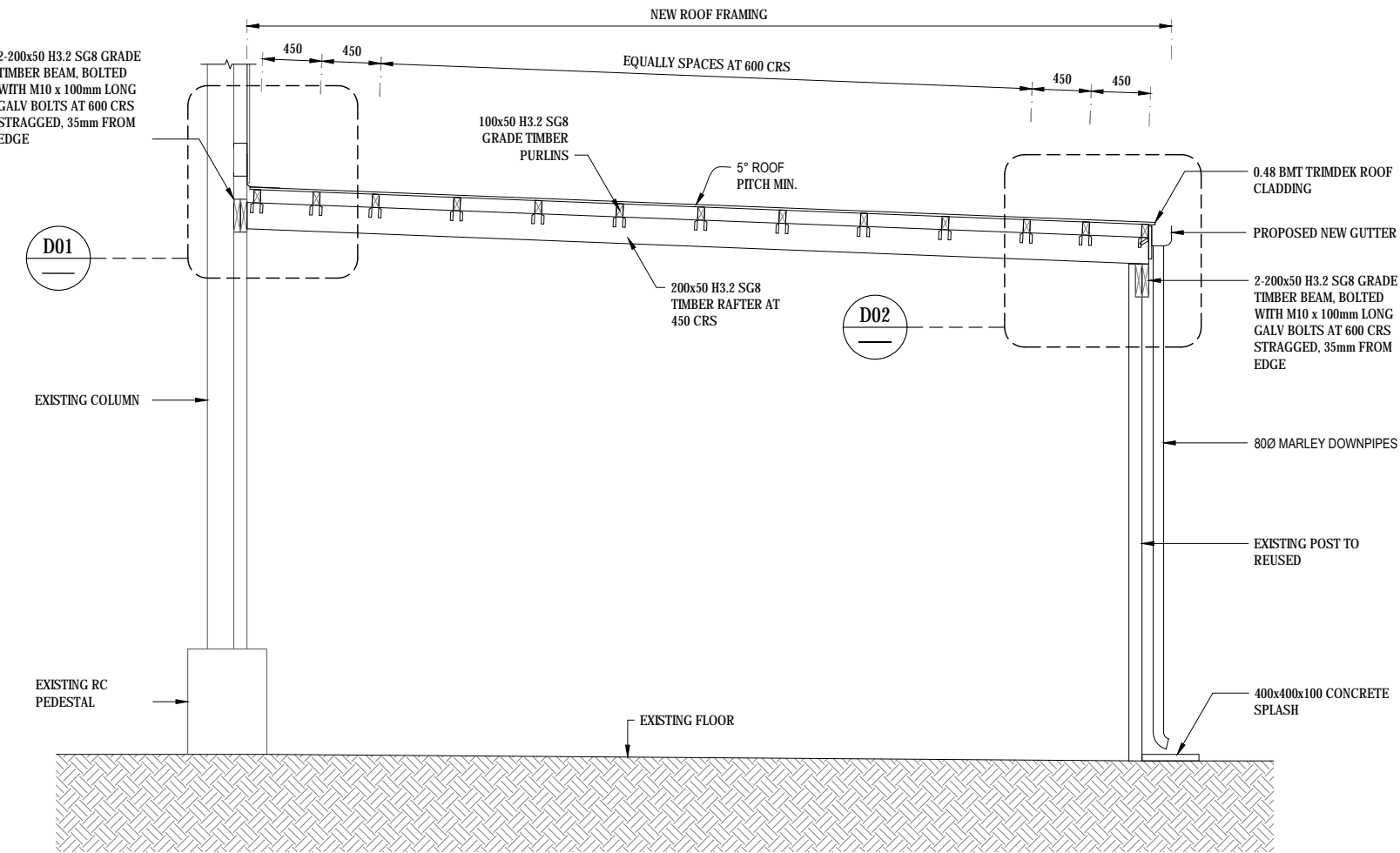
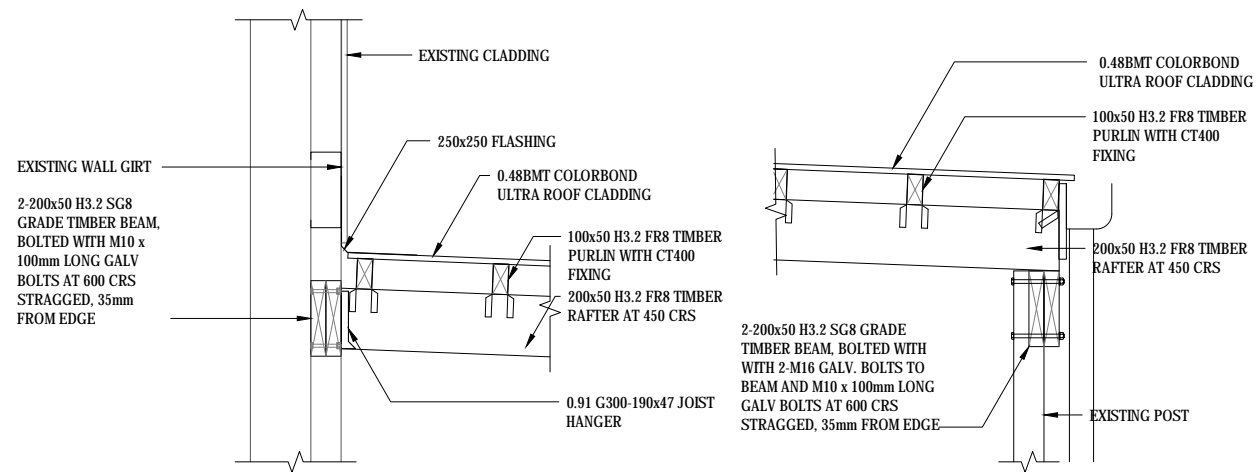
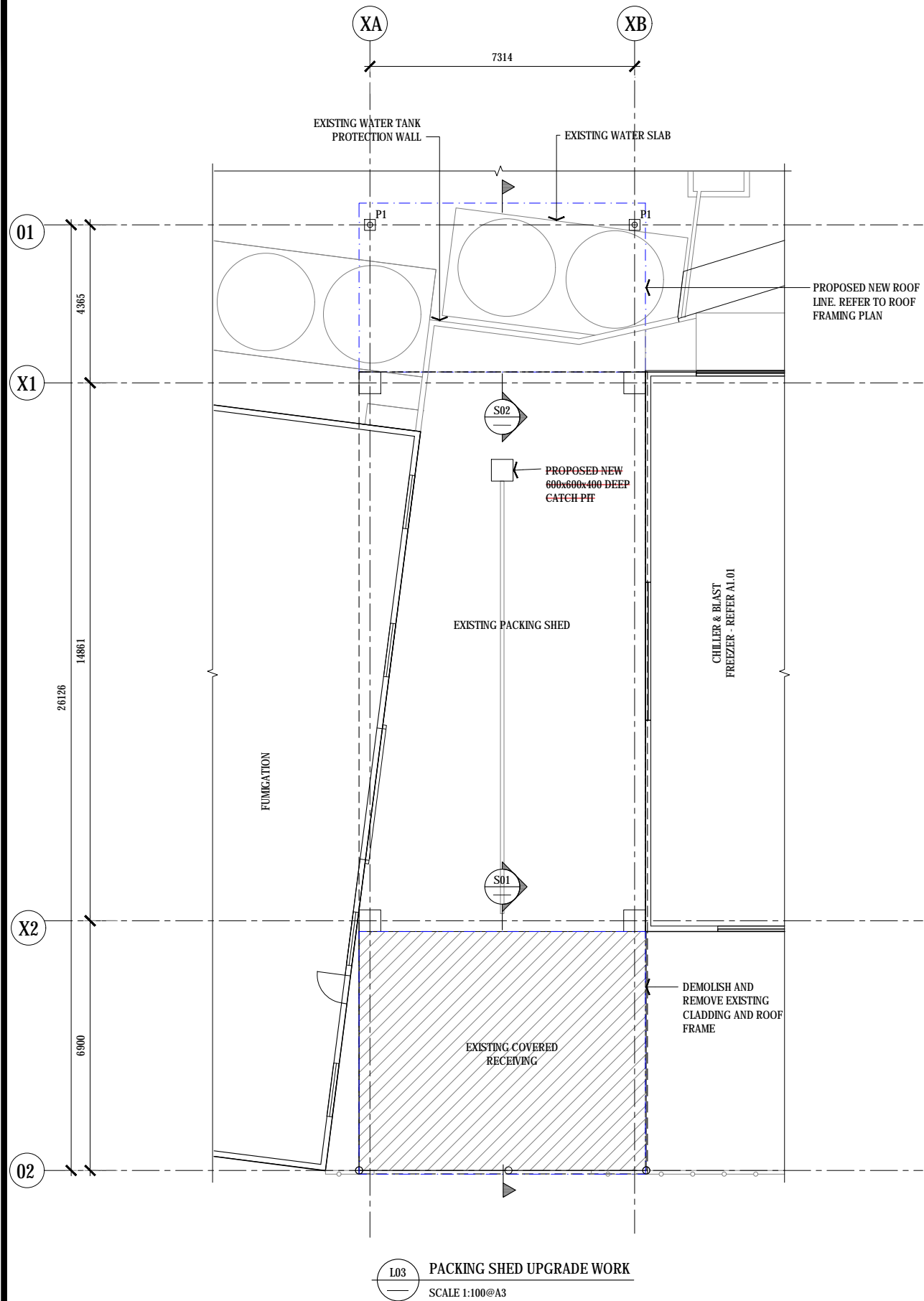
- LEGEND:
- PL PROPOSED NEW DOWN LIGHT - VTX LED HIGHBAY G2  
CF NEW CEILING FAN - POWERFOIL 8 PLUS - PPB18  
2A SINGLE 15 SWITCHED SOCKET OUTLET NOMNALLY MOUNTED 1200AFFL UNLESS OTHERWISE STATED.  
10A LIGHT SWITCH. NOMNALLY MOUNTED 1200mm AFFL UNLESS NOTED OTHERWISE.  
2g - DENOTES 2 GANG  
3g - DENOTES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

FE 9KG DRY CHEMICAL FIRE EXTINGUISHER

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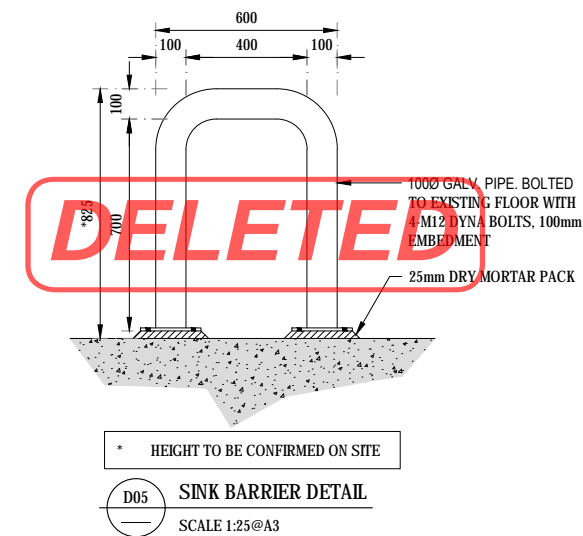
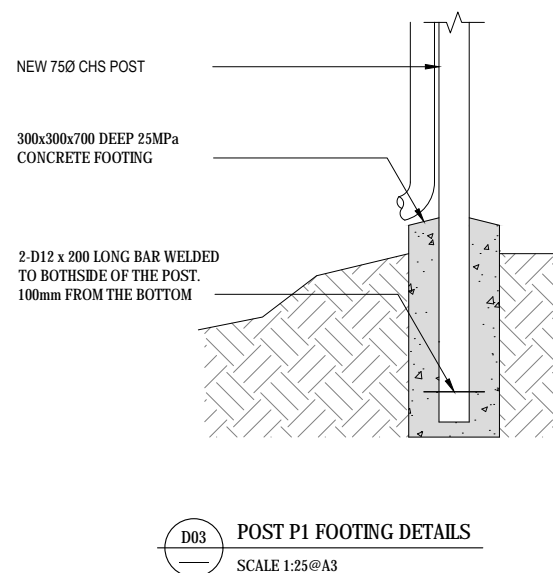
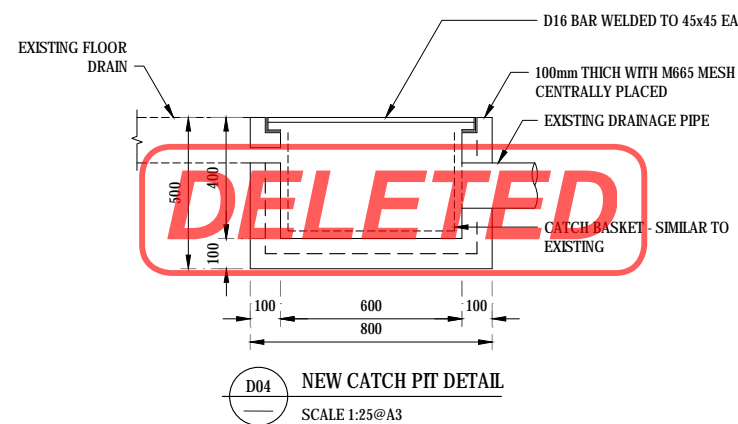
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	A	BK	21.05.2019	FOR TENDER	DA	<b>CALIBRE PROJECT MANAGERS</b> Consulting Engineers & Project Managers Level 2, Latimer Building Cnr. Wellington Rd & 10th Rd Nuku'alofa, Tonga Email: info@cpm.tg Phone: 075 22 1181 Fax: 075 22 1182			UNDP REPAIR & RECONSTRUCTION OF EXPORT BUILDING AND FUMIGATION FACILITY VUNA ROAD, MAUFANGA NUKU'ALOFA - TONGA	CHILLER & BLAST FREEZER BUILDING UPGRADE	AS SHOWN	DA	CPM
											JOB NO: 018T	DRAWING NO: A1.01	REV A









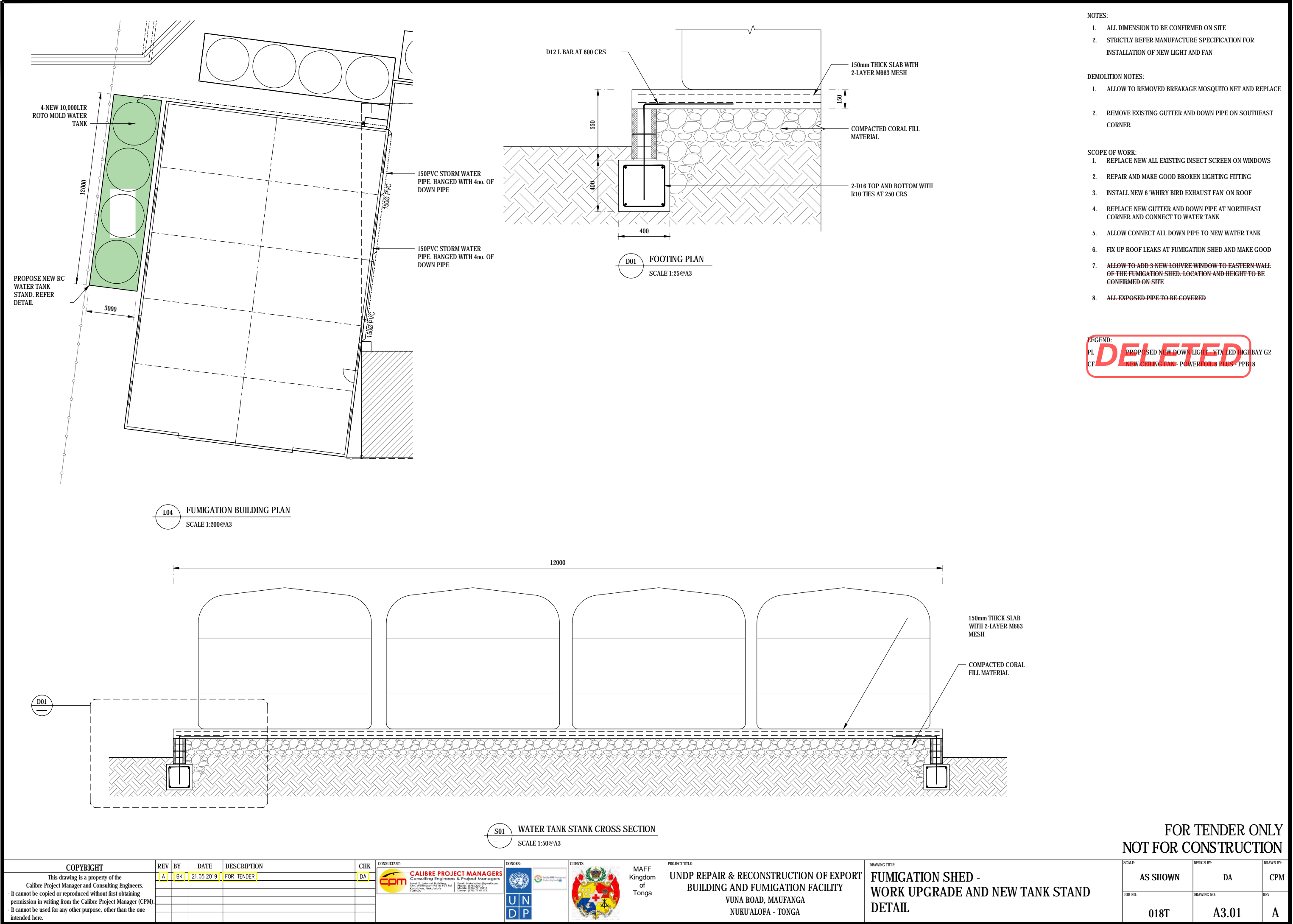
- NOTES:**
- ALL DIMENSION TO BE CONFIRMED ON SITE
  - STRICTLY REFER MANUFACTURE SPECIFICATION FOR INSTALLATION OF NEW LIGHT AND FAN
- DEMOLITION NOTES:**
- ALL EXISTING LIGHT FITTING TO BE REMOVED AND STORED
- SCOPE OF WORK:**
- ROLLER DOOR (RD1-RD4):**  
RD1 & RD2 - REPLACE NEW WITH SIMILAR SIZE AND SHALL BE CYCLONE RATED  
RD3 - REPAIRED AND MAKE GOOD  
RD4 - CONTRACTOR TO CHECK EXISTING RD TRACK - ALLOW TO ADD GREASE IF REQUIRED
  - EXISTING LIGHT:**  
EXISTING LIGHT FITTING AND WIRING TO BE CAREFULLY REMOVE AND UPGRADE. REFER NEW LIGHT LAYOUT - AND SPEC
  - ALLOW NEW 2 GPO POWER OUTLET. REFER PLAN FOR LOCATION
  - INSTALL DIAGONAL BRACE AT ROOF USING BUILDER STRAP BRACE AND TENSIONER
- LEGEND:**
- PL PROPOSED NEW DOWN LIGHT - VTX LED HIGHBAY G2
- CF NEW CEILING FAN - POWERFOIL 8 PLUS - PPB18

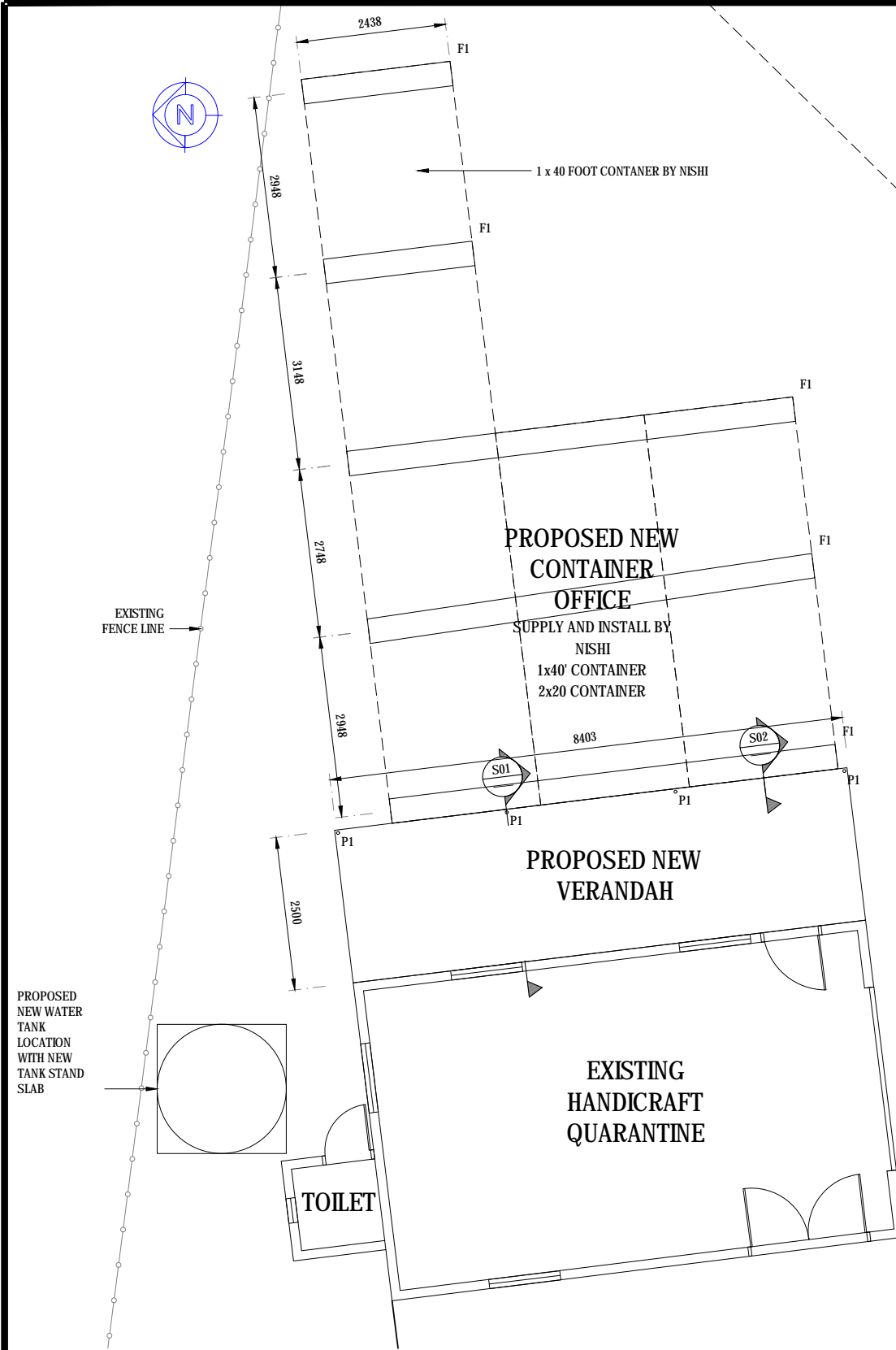
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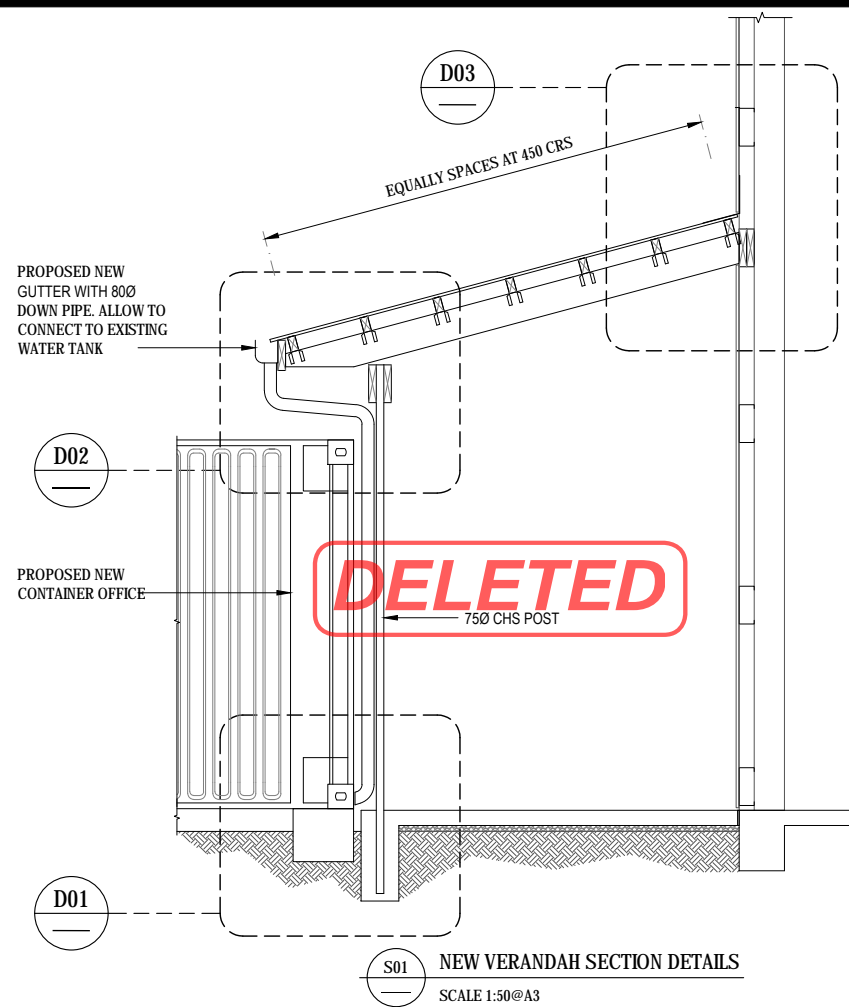
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This drawing is a property of the Calibre Project Manager and Consulting Engineers.		A	BK	21.05.2019	FOR TENDER	DA	 <b>CALIBRE PROJECT MANAGERS</b> Consulting Engineers & Project Managers Level 2, Latham Building 100, Market Street, Suva TONGA Email: <a href="mailto:info@calibrepm.com">info@calibrepm.com</a> Phone: (676) 231 000 Fax: (676) 231 001	 	 MAFF Government of Tonga	<b>UNDP REPAIR &amp; RECONSTRUCTION OF EXPORT BUILDING AND FUMIGATION FACILITY</b> VUNA ROAD, MAUFANGA NUKU'ALOFA - TONGA	<b>PACKING SHED - NEW ROOF DETAILS</b>	<b>AS SHOWN</b>	<b>DA</b>	<b>CPM</b>
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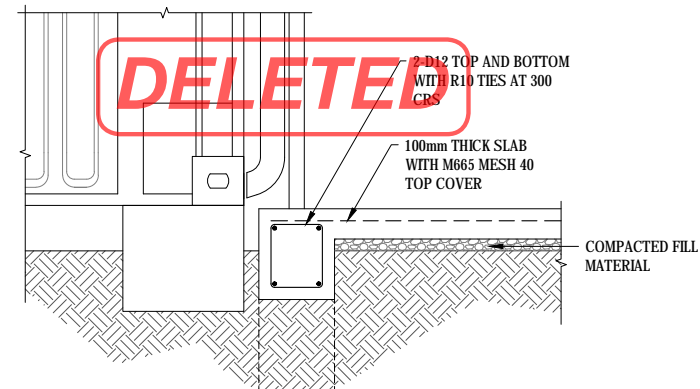




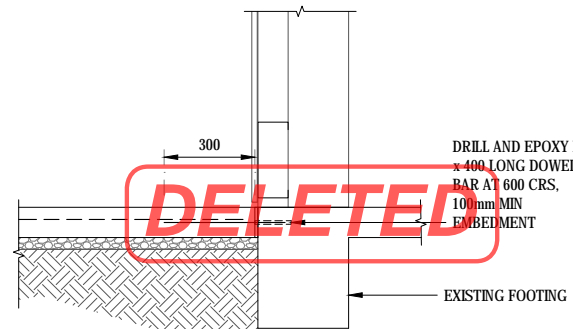
L05 HANDICRAFT OFFICE EXTENSION AND CONTAINER FOOTING PLAN  
SCALE 1:100@A3



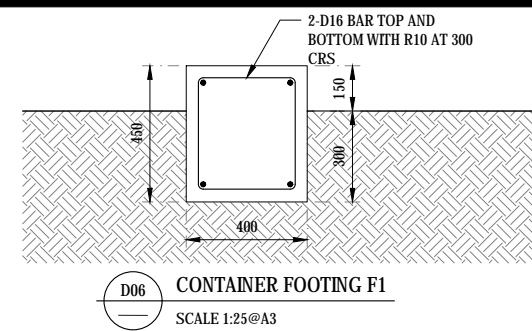
S01 NEW VERANDAH SECTION DETAILS  
SCALE 1:50@A3



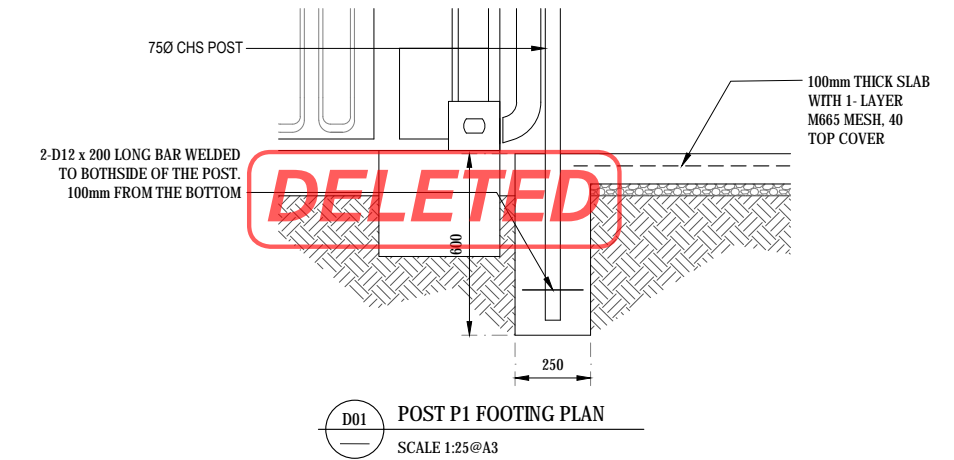
D04 VERANDAH FOOTING DETAIL  
SCALE 1:25@A3



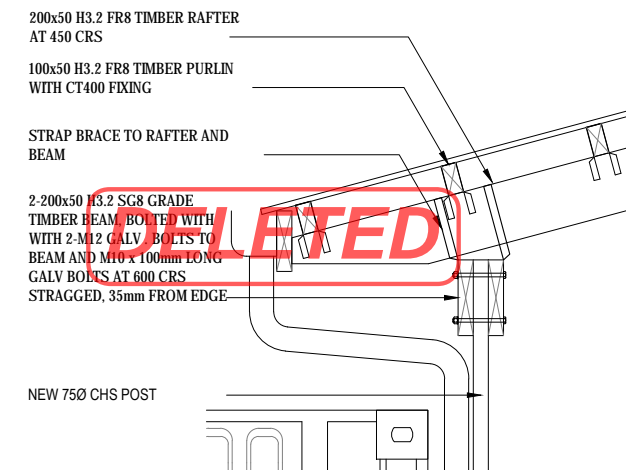
D05 NEW SLAB TO EXISTING SLAB CONNECTION  
SCALE 1:25@A3



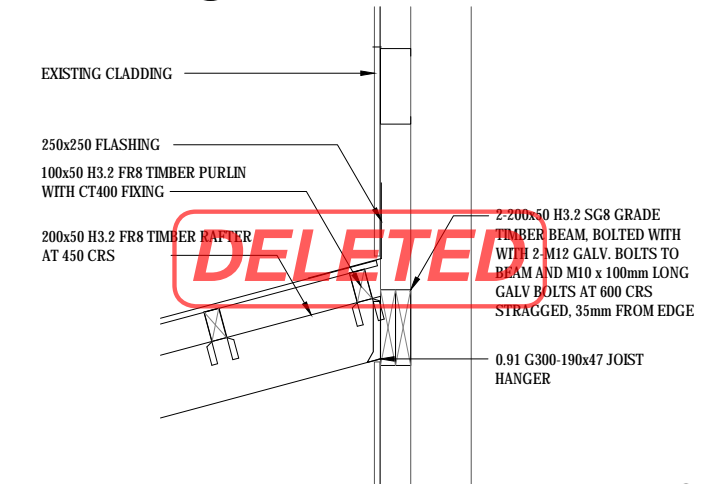
D06 CONTAINER FOOTING F1  
SCALE 1:25@A3



D01 POST P1 FOOTING PLAN  
SCALE 1:25@A3







D02 RAFTER CONNECTION DETAIL  
SCALE 1:25@A3



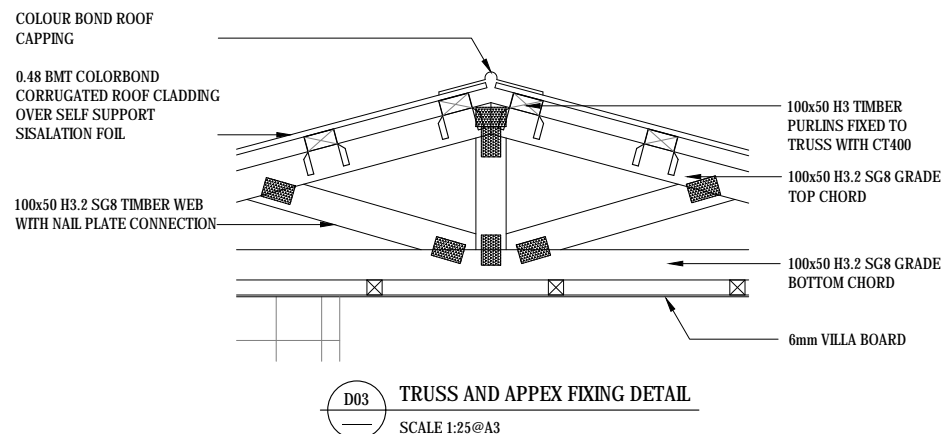
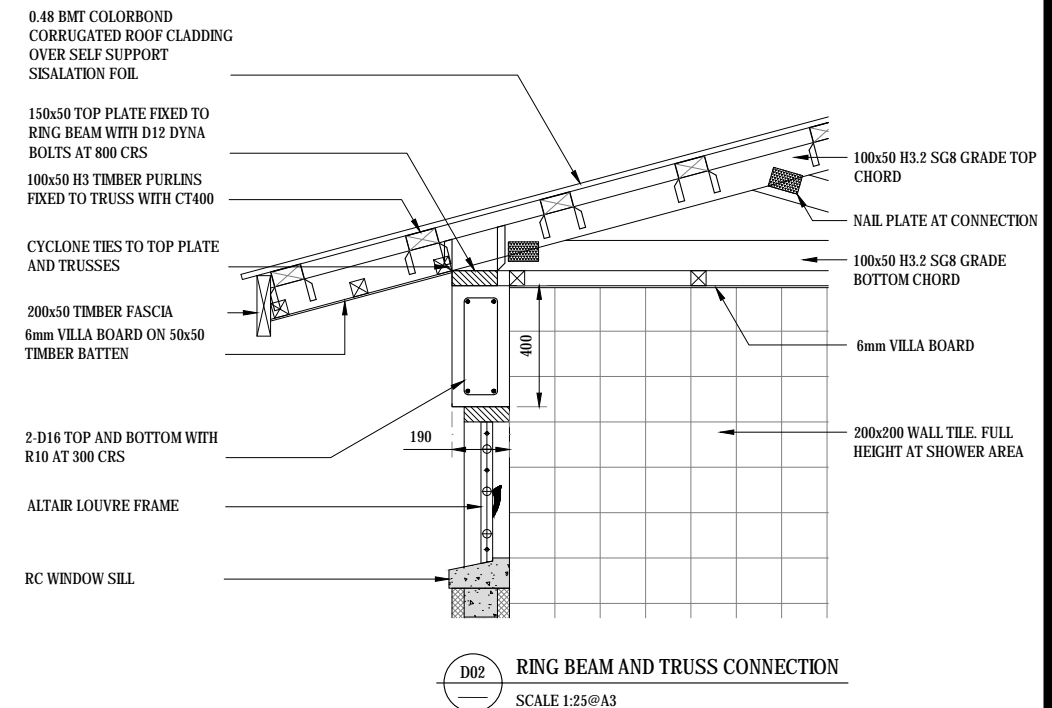
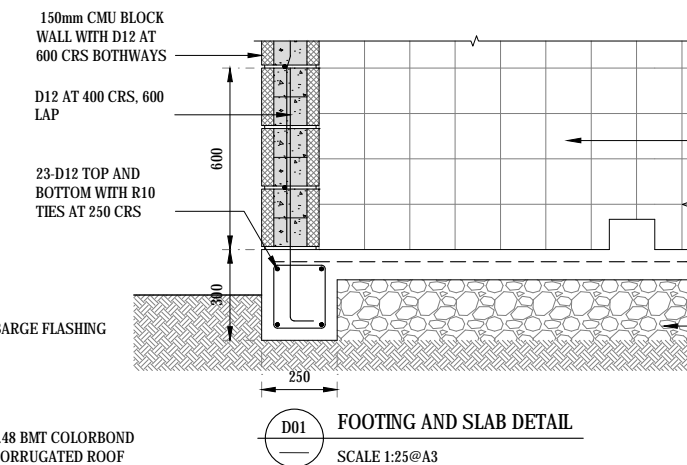
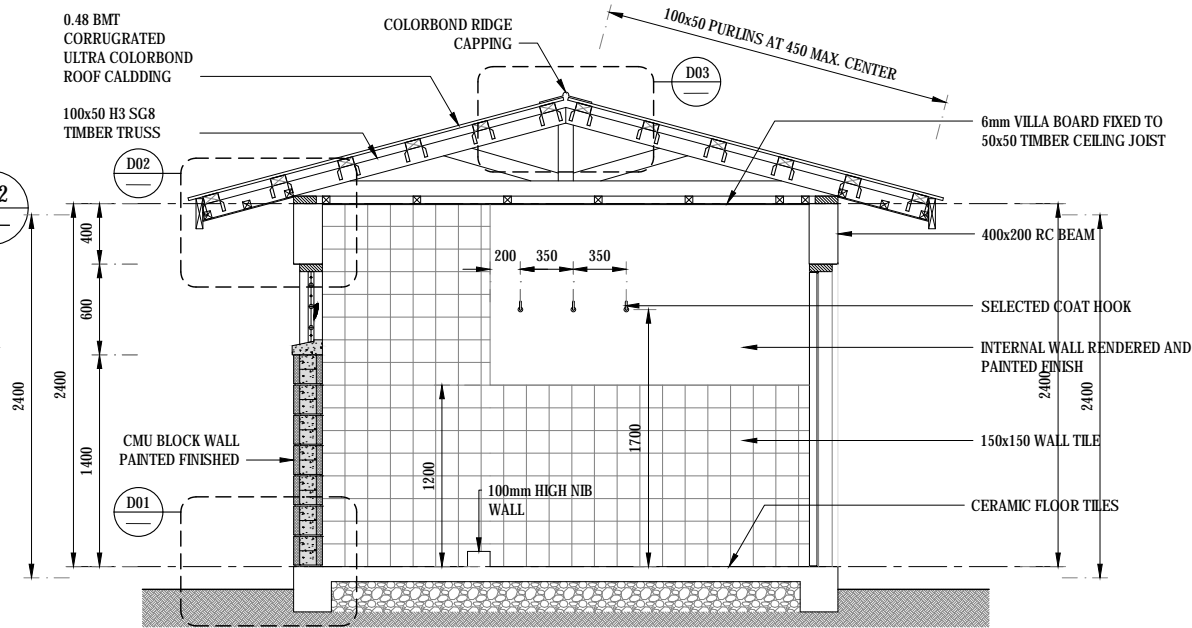
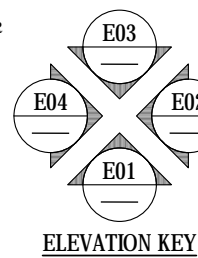
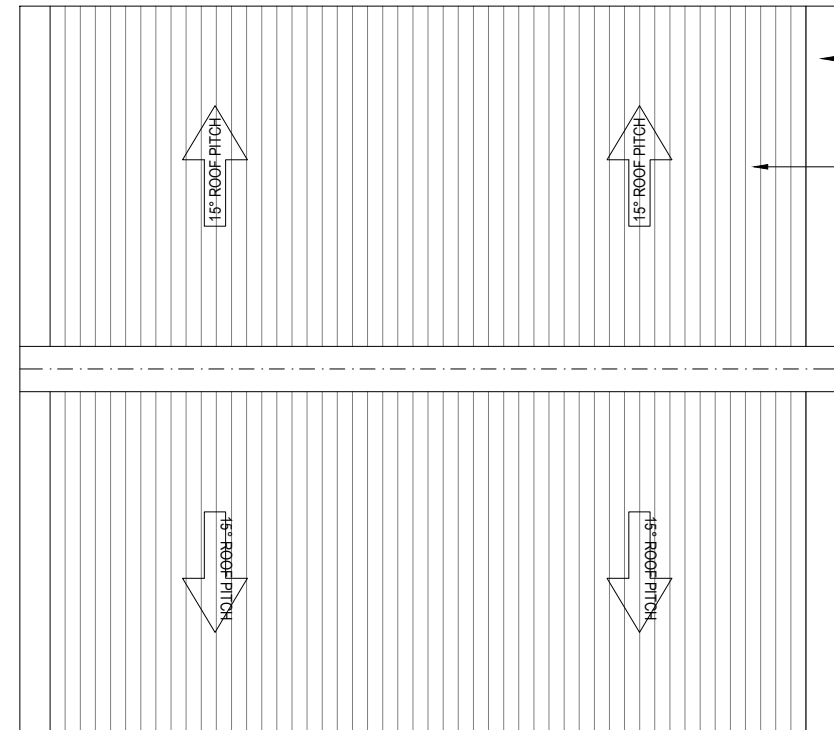
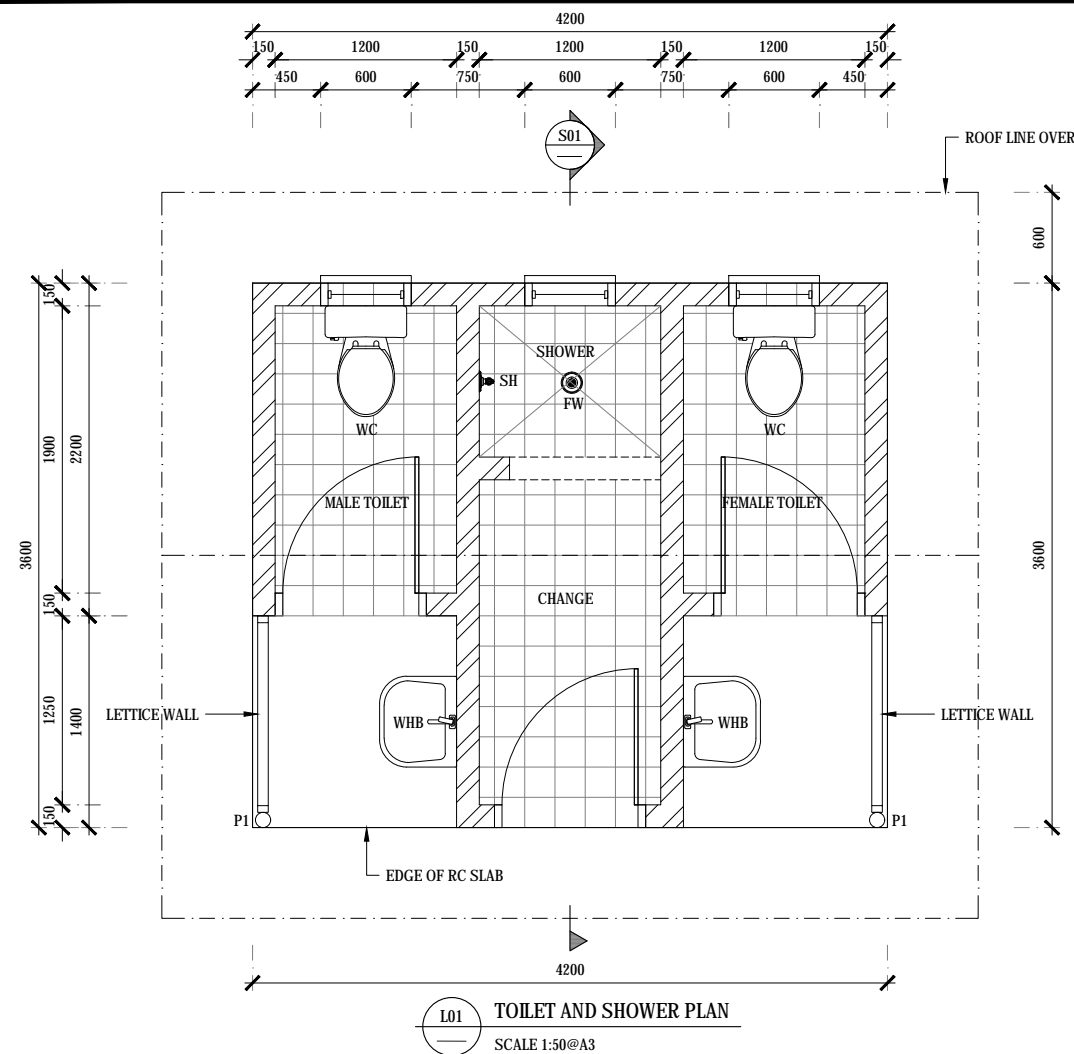
D03 RAFTER TO EXISTING BUILDING CONNECTION  
SCALE 1:25@A3

- 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

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	A	BK	21.05.2019	FOR TENDER	DA	<div><div></div><div><b>CALIBRE PROJECT MANAGERS</b> Consulting Engineers &amp; Project Managers <small>Level 2, Lefebvre Building, 1001, and 1002, Market Street, Suva FIDUCIA</small></div></div>	<div></div>		UNDP REPAIR & RECONSTRUCTION OF EXPORT BUILDING AND FUMIGATION FACILITY VUNA ROAD, MAUFANGA NUKU'ALOFA - TONGA	BLOCK D - CONTAINER OFFICE/ FUMIGATION FOOTING PLAN AND DETAILS	AS SHOWN	DA	CPM	
												JOB NO:	DRAWING NO:	REV
												018T	A3.02	A





NOTES:  
ALL PLUMING WORK TO BE CONNECT TO EXISTING  
SEPTIC TANK AND SOAK PIT

MAIN WATER SUPPLY TO BE CONNECTED TO EXISTING  
DOMESTIC WATER SUPPLY

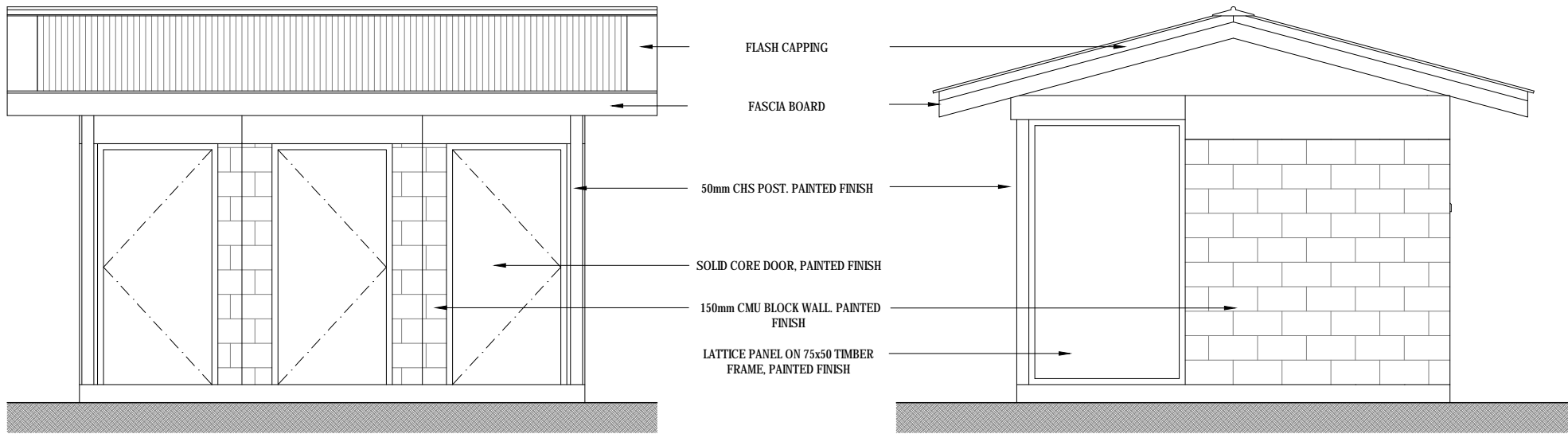
ALL DIMENSION TO BE CONFIRMED ON SITE

LEGEND:

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

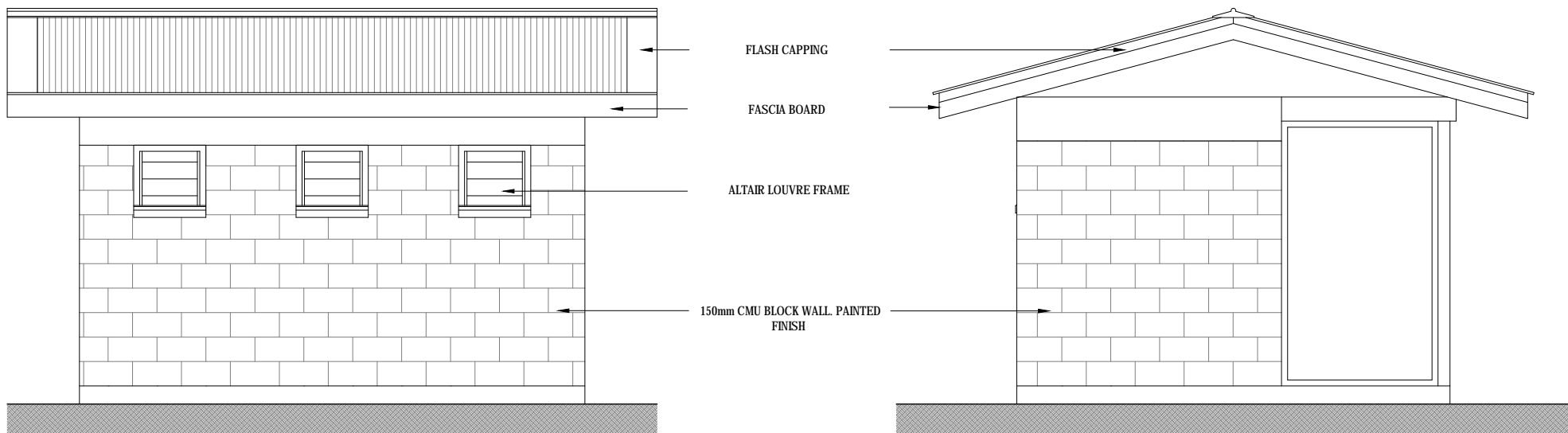
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	A	BK	21.05.2019	FOR TENDER	DA	<div><div>cpm</div><div>Level 2, Lateral Building, Suva Cnr. Wellington Rd &amp; 101 Rd Suva, Fiji TONGA</div><div>Email: info@cpm.com.fj Phone: 018 227 0001 Fax: 018 227 0002 Suva Suva Suva</div></div>	<div><div>UNDP</div><div>United Nations Development Programme</div></div>	<div><div>MAFF</div><div>Kingdom of Tonga</div></div>	UNDP REPAIR & RECONSTRUCTION OF EXPORT BUILDING AND FUMIGATION FACILITY VUNA ROAD, MAUFANGA NUKU'ALOFA - TONGA	BLOCK F - TOILET AND SHOWER FLOOR, ROOF PLAN, SECTION AND CONSTRUCTION DETAILS	AS SHOWN	DA	CPM	
												JOB NO:	DRAWING NO:	REV
												018T	A5.01	A



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

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

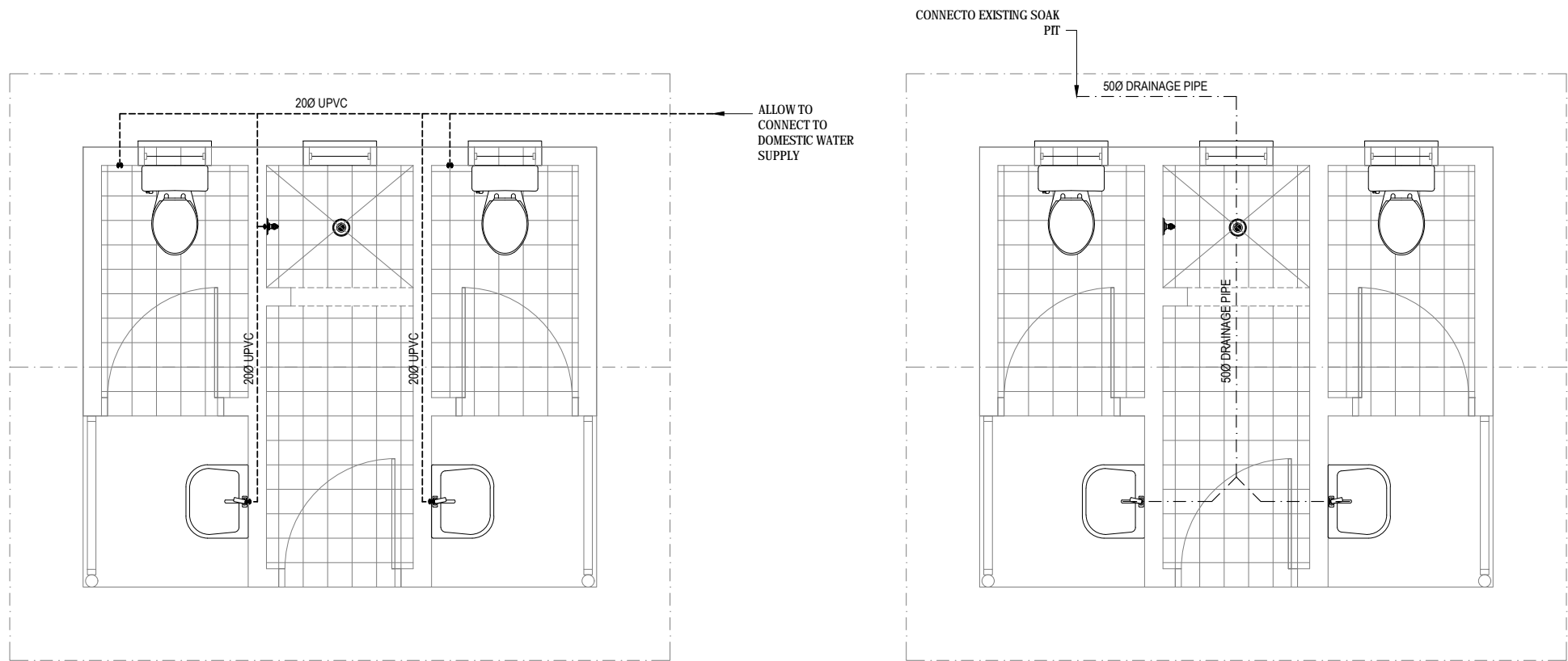


E03 TOILET AND SHOWER - REAR ELEVATION  
SCALE 1:50@A3

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

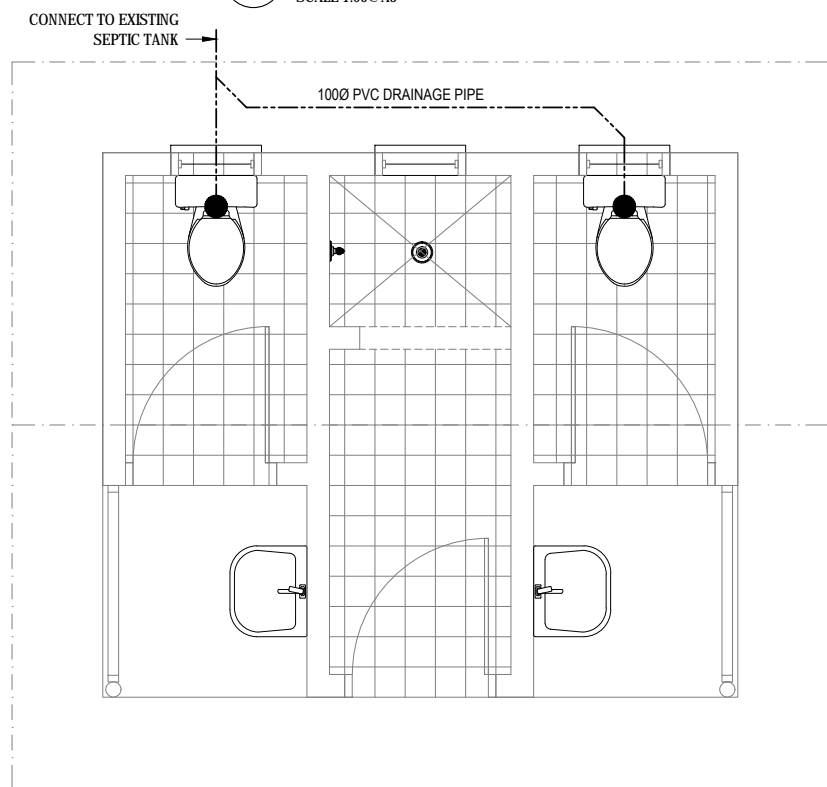
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											JOB NO: 018T	DRAWING NO: A5.02	REV A

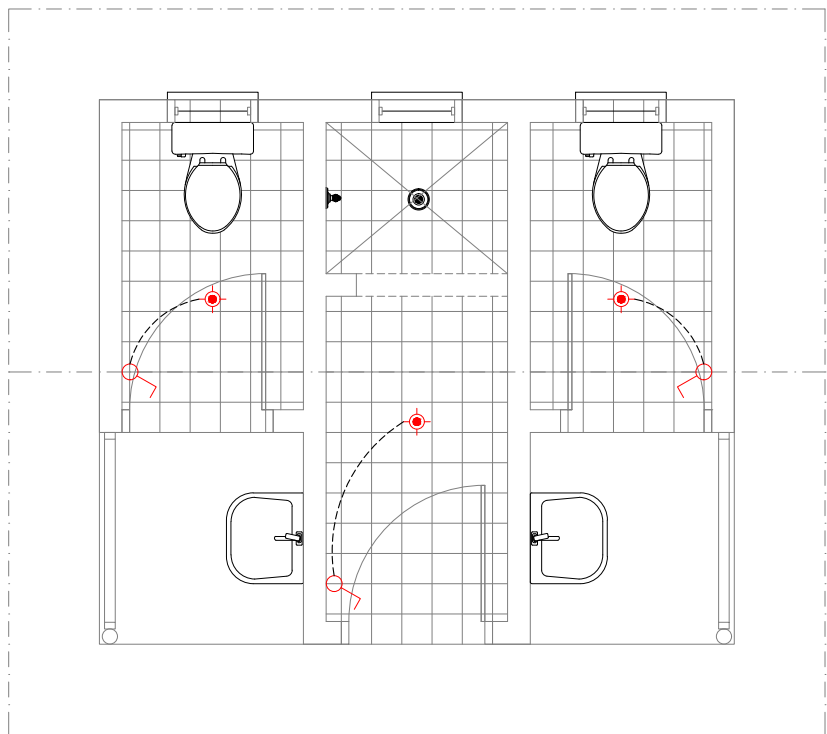


L01 COLD WATER RETICULATION LAYOUT  
SCALE 1:50@A3

L02 COLD WATER RETICULATION LAYOUT  
SCALE 1:50@A3



L03 GRAY WATER LAYOUT  
SCALE 1:50@A3



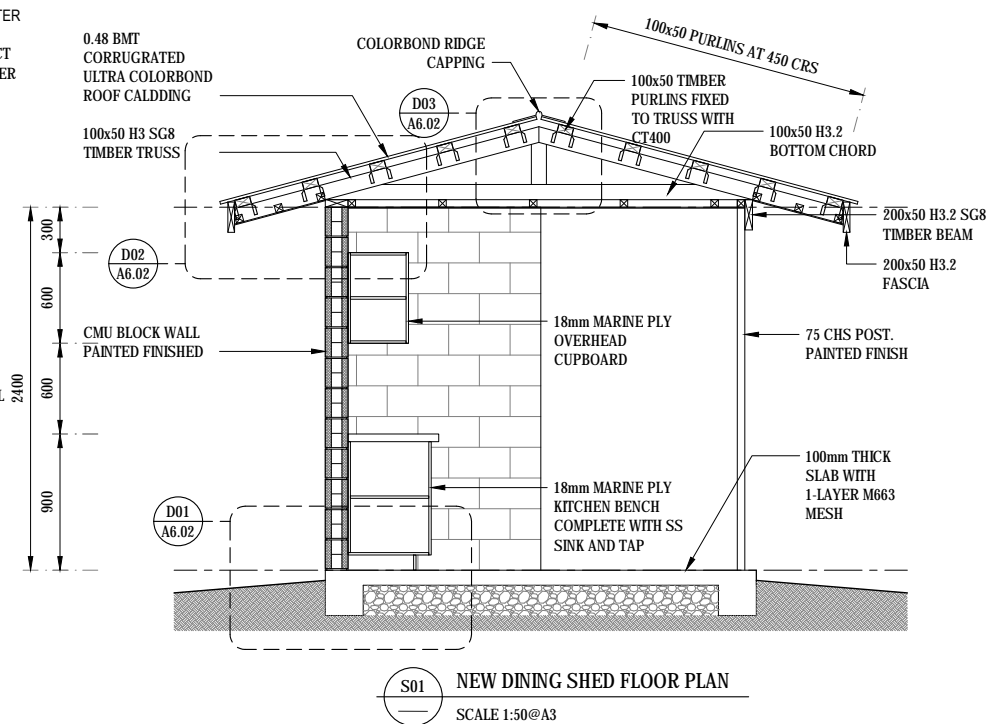
L04 ELECTRICAL LAYOUT  
SCALE 1:50@A3

- 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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NOT FOR CONSTRUCTION

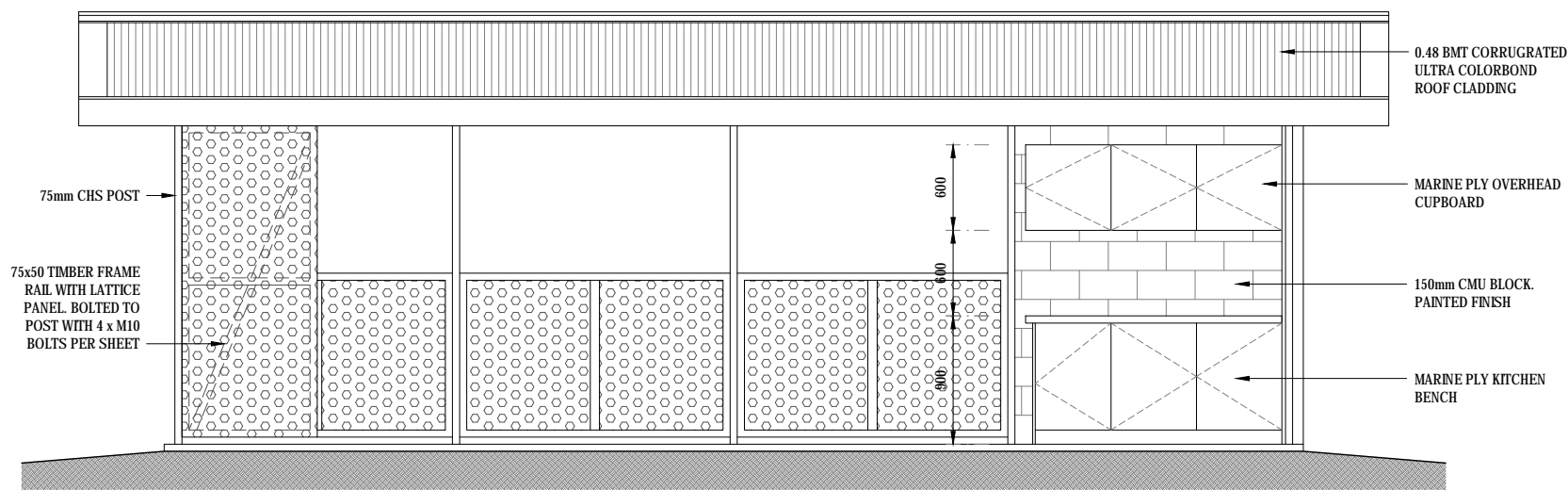
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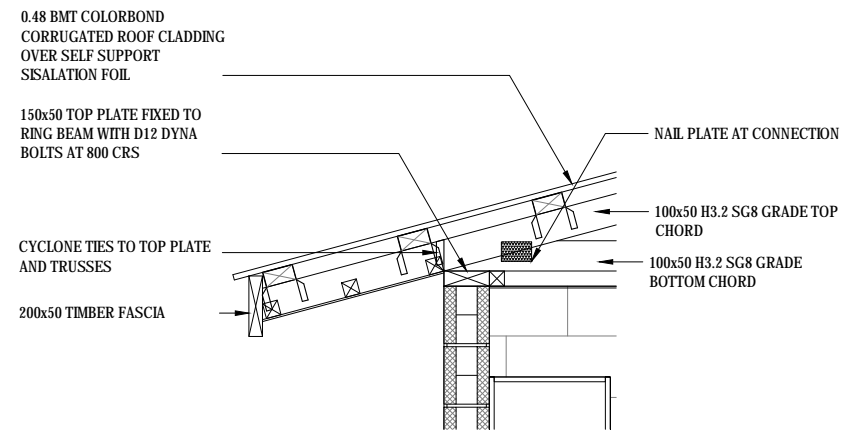
CONTRACTOR TO CONNECT NEW LIGHT TO EXISTING  
SWITCH BOARD

[illegible]

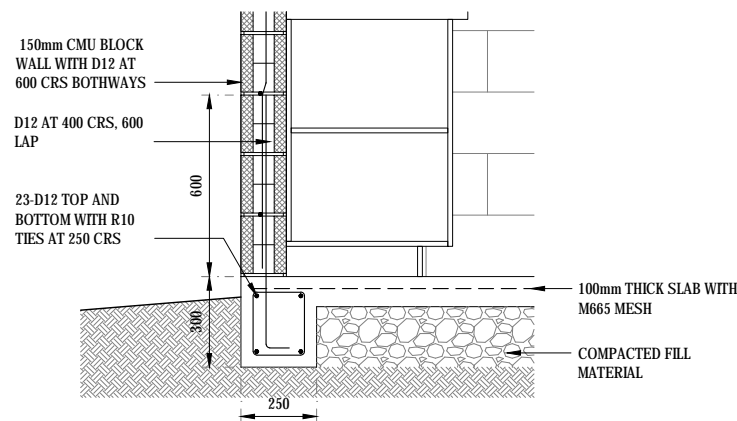




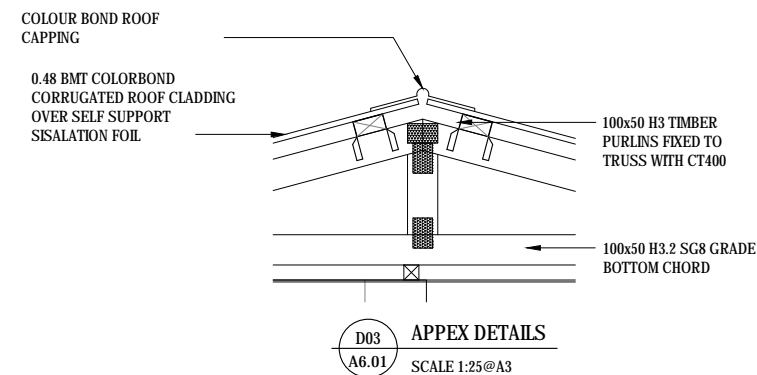
E01 SHED ELEVATION  
SCALE 1:50@A3



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






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



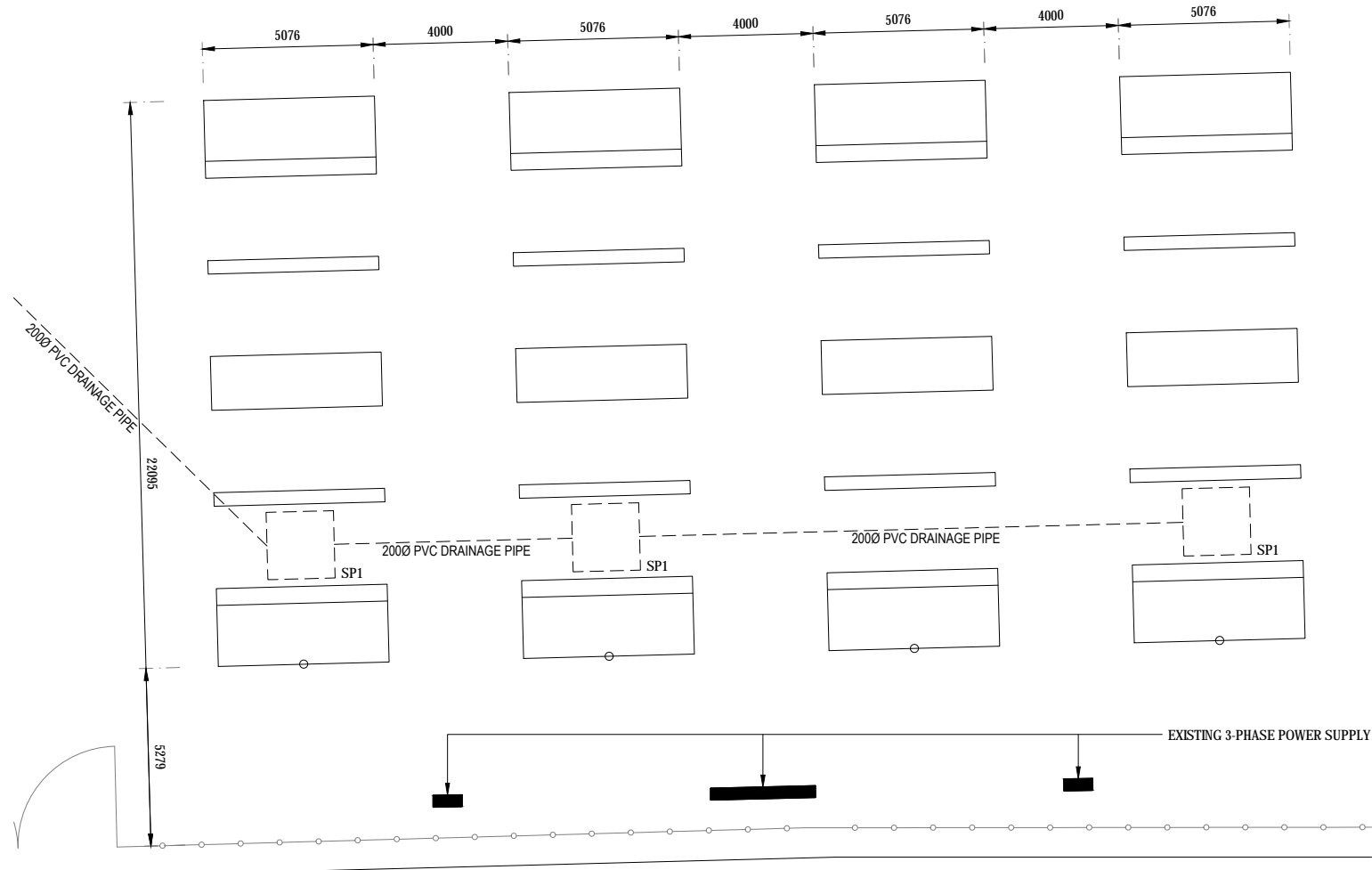
D03 APPEX DETAILS  
A6.01 SCALE 1:25@A3

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

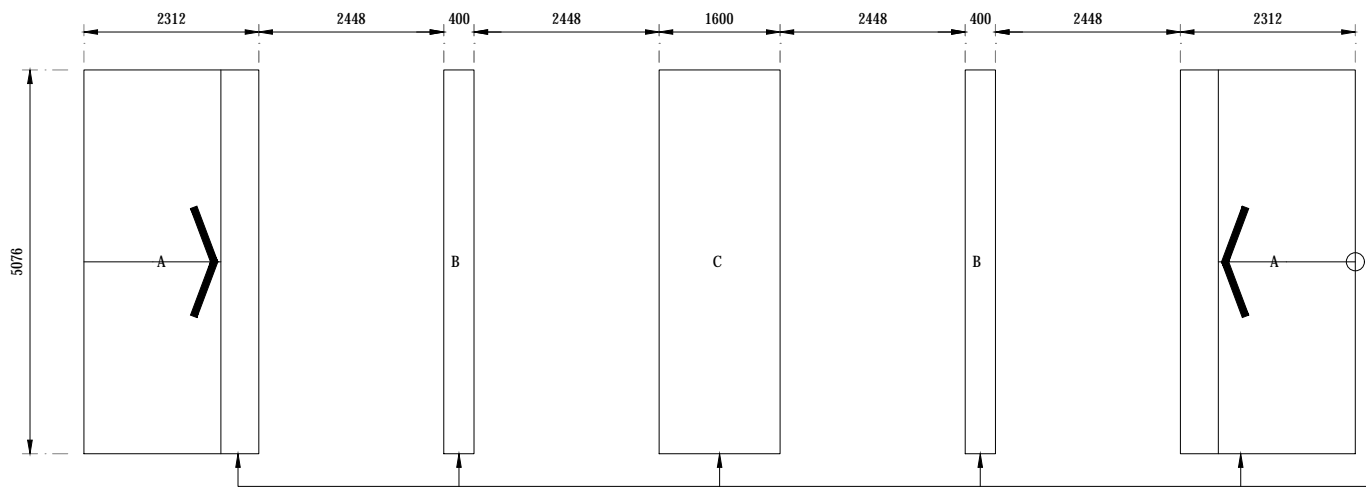
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															JOB NO:	DRAWING NO:	REV
															<b>018T</b>	<b>A6.02</b>	<b>A</b>

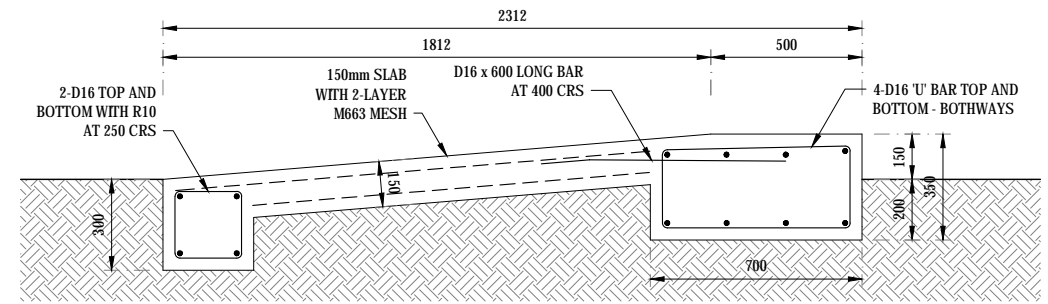
- NOTES:
1. ALL DIMENSION TO BE CONFIRMED ON SITE
  2. EXISTING UNDERGROUND SERVICES TO BE LOCATED PRIOR COMMENCING OF THE CONSTRUCTION



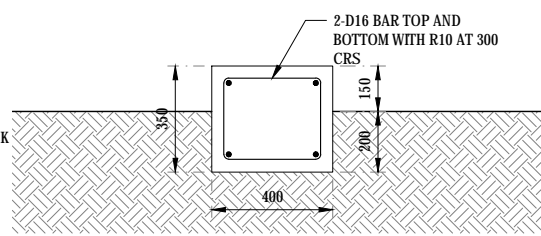
L07 CONTAINER RACK PLAN  
SCALE 1:200@A3



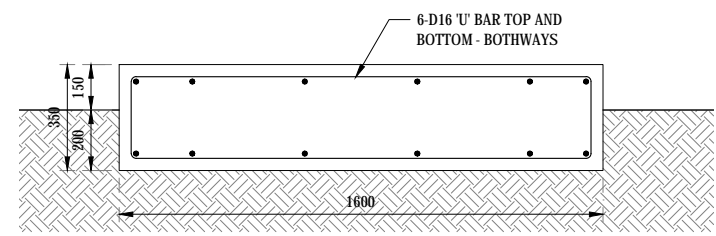
L08 RC RACK PLAN  
SCALE 1:100@A3



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



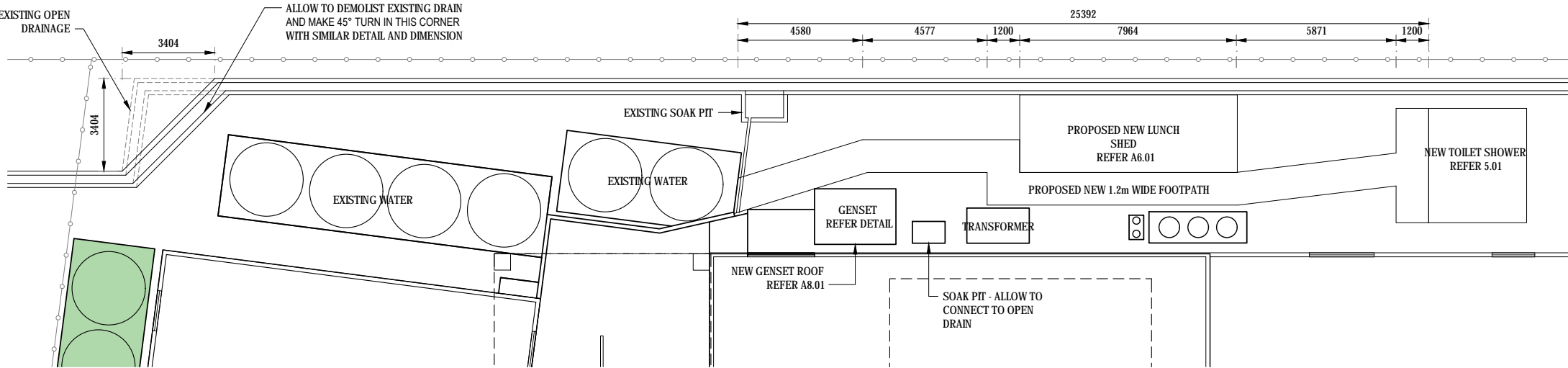
D02 CONTAINER RACK PART 'B' - MID SUPPORT  
SCALE 1:25@A3



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

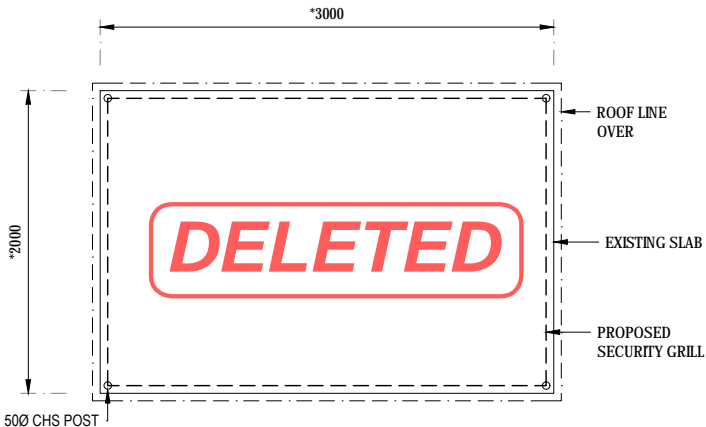
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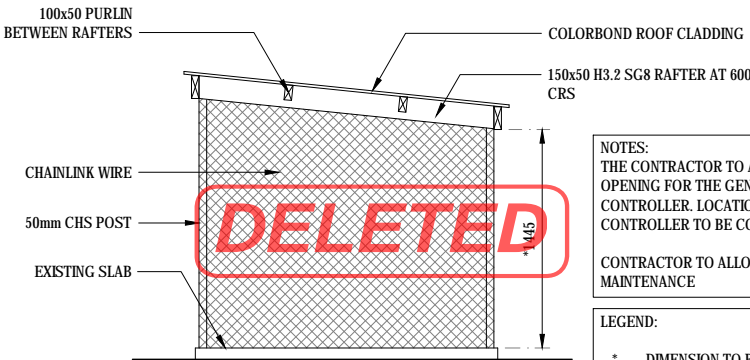


- NOTES:
1. ALL DIMENSION TO BE CONFIRMED ON SITE
- SCOPE OF WORK:
1. CONSTRUCT NEW GENERATOR SHED AND SECURITY PROTECTION
  2. CONSTRUCT NEW 1.2m ACCESS PATH TO NEW TOILET BLOCK
  3. CONSTRUCT NEW TOILET BLOCK, LUNCH SHED AND LOCATED ON PLAN
  4. EXISTING SOAK PIT TO CONNECT TO OPEN DRAIN
  5. WATER 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

L08 MISCELLANEOUS WORK PLAN  
SCALE 1:200@A3



L08 GENSET ROOF PLAN  
SCALE 1:50@A3

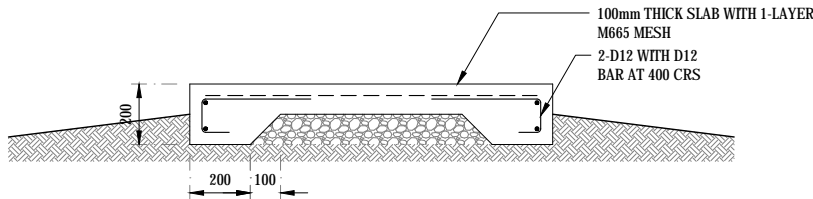


S01 GENSET CROSS SECTION  
SCALE 1:50@A3

NOTES:  
THE CONTRACTOR TO ALLOW TO MAKE OPENING FOR THE GENERATOR CONTROLLER. LOCATION OF THE CONTROLLER TO BE CONFIRMED ON SITE

CONTRACTOR TO ALLOW ACCESS FOR MAINTENANCE

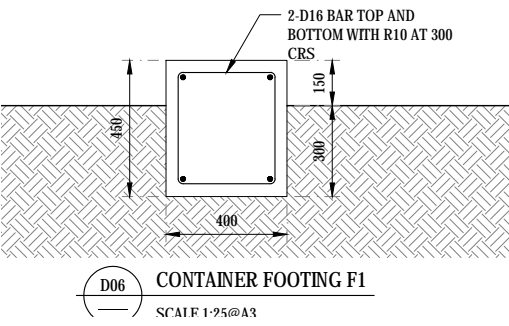
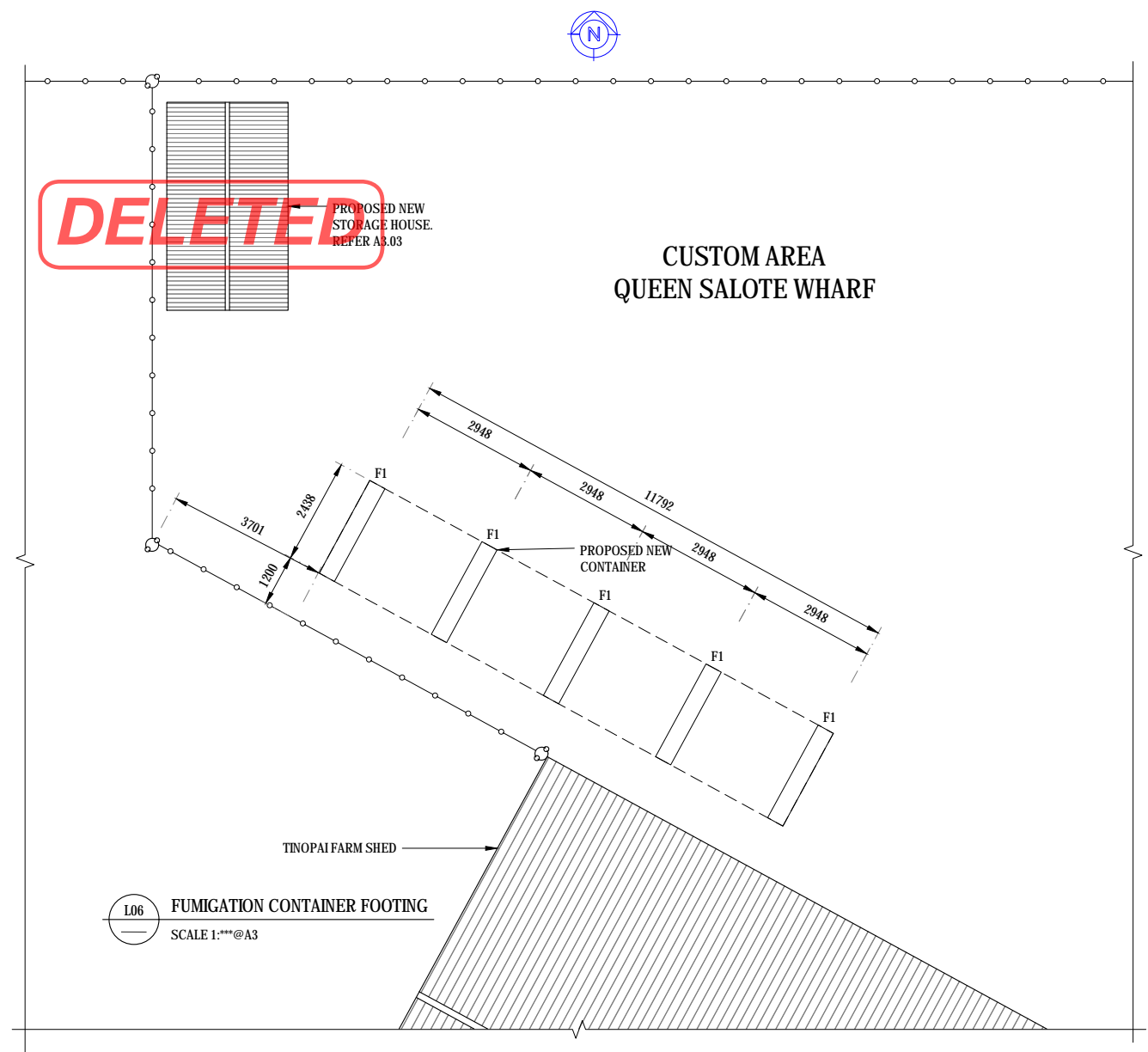
LEGEND:  
\* DIMENSION TO BE CONFIRMED ON SITE



D01 FOOTPATH DETAIL  
SCALE 1:25@A3

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														JOB NO. 018T	DRAWING NO. A8.01	REV A



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- It cannot be used for any other purpose, other than the one intended here.																				018T	A9.01	A