

## CONSTRUCTION SPECIFICATION

ALL SETOUT AND CONSTRUCTION DIMENSIONS ARE TO BE CHECKED ON SITE PRIOR TO STARTING ANY WORKS BY THE CONTRACTOR OR SUB-CONTRACTORS.

REFER ANY DISCREPENCIES TO ARCHITECT FOR RESOLUTION.

## ROOF PLUMBING

### **GUTTERS**

ZINCALUME FINISH STEEL EAVES GUTTERING. LYSAGHT 125 QUAD OR APPROVED EQUIVALENT. FIX GUTTER TO TIMBER FASCIA WITH MATCHING GUTTER BRACKETS. FALL GUTTER TO DOWNPIPES AT A MINIMUM GRADIENT OF 1 IN 400. TEST FALL OF GUTTER BY FILLING WITH WATER AND ENSURING WATER FULLY DRAINS TO DOWNPIPES.

INSTALL GUTTERS PRIOR TO FIXING ROOF SHEETING.

DO NOT USE PVC PIPE INSTEAD OF STEEL GUTTERING.

### **DOWNPIPES**

100 DIA. UPVC - PAINT FINISH.

### **ROOFING**

STANDARD CORRUGATED STEEL ROOFING - ZINCALUME ZINISH

FIX STEEL ROOFING TO TIMBER ROOFING BATTENS WITH GALVANISED ROOFING SCREWS

### **RIDGE AND BARGE CAPPINGS**

FOLDED STEEL SHEET - ZINCALUME ZINISH

FIX CAPPINGS THROUGH STEEL ROOFING TO TIMBER ROOFING BATTENS WITH GALVANISED ROOFING SCREWS

## ROOF FRAMING

ALL TIMBER FRAMING SHOULD BE TERMITE TREATED AND COMPLY WITH AS 1684.

### **TIMBER TRUSSES AND RAFTERS**

REFER TO SECTIONS AND DETAILS FOR TRUSSES/RAFTER DESIGN.

BE SURE TO INSTALL ALL BOTTOM CHORD TIES, ROOF BRACING AND TIES TO TOP PLATES.

### **MORTAR MIX**

1:3  
CEMENT:SAND RATIO

### **GROUT MIX**

1:1:2:4  
WATER:CEMENT:SAND:AGGREGATE (10mm) RATIO

USE AT LEAST 300KG OF CEMENT PER CUBIC METRE OF CONCRETE.

### **CONCRETE MIX**

0.75:1:2:4  
WATER:CEMENT:SAND:AGGREGATE (20mm) RATIO

LAY CONCRETE SLAB OVER BLACK PLASTIC SHEETING, 50mm SAND BLINDING AND 150mm COMPACTED HARDCORE



# TDS

TECHNICAL DESIGN SERVICES  
ARCHITECTURAL UNIT  
MINISTRY OF INFRASTRUCTURE &  
SUSTAINABLE ENERGY  
PO BOX 498  
BETIO, TARAWA  
REPUBLIC OF KIRIBATI  
PHONE: +686 75126192  
EMAIL: design@mise.gov.ki

## DRY LITTER TECHNOLOGY

CLIENT: MELAD  
PROJECT NO: 302001

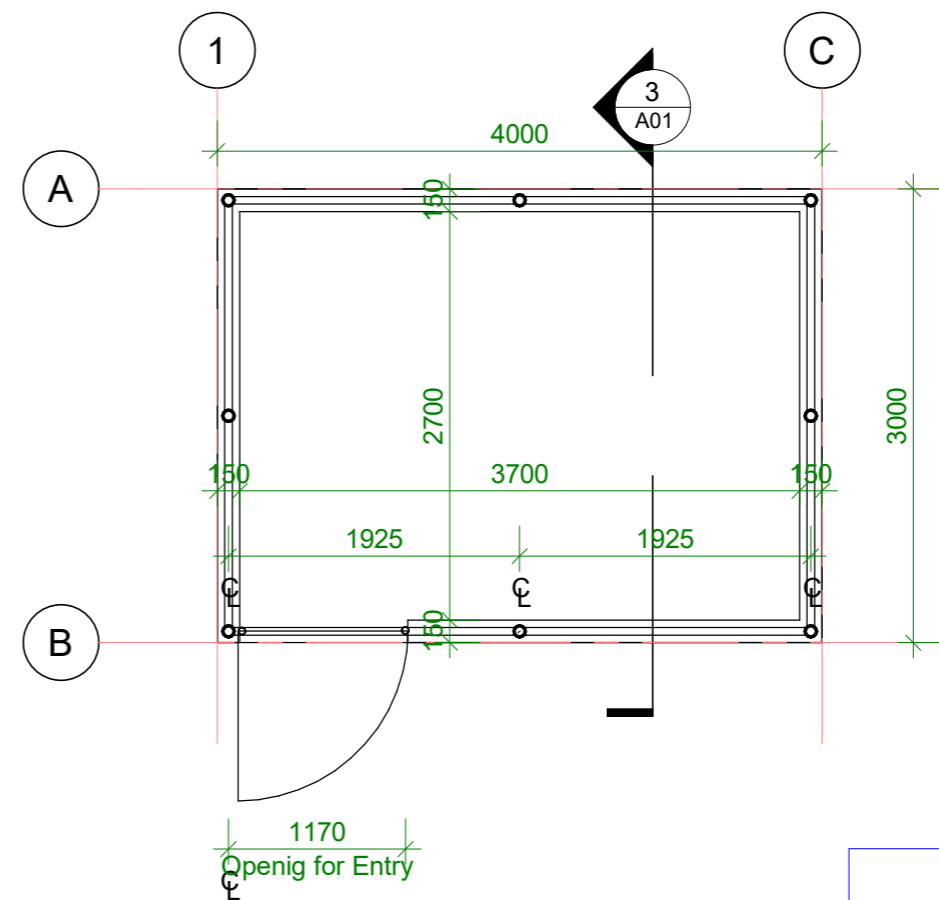
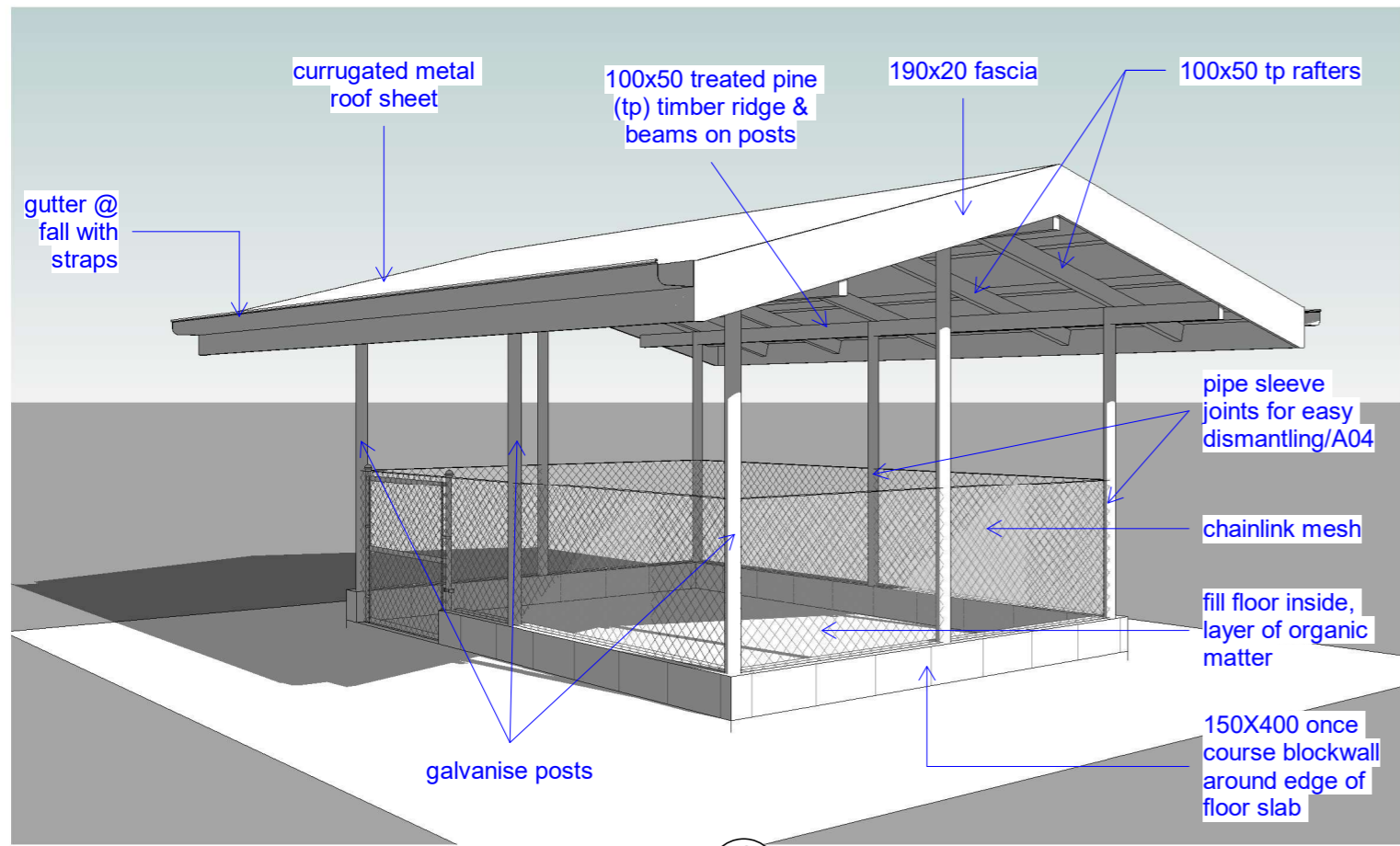
DWG TITLE:  
**CONSTRUCTION  
SPECIFICATION**

DRAWN BY: KB  
REVIEWED BY: TTEBAU  
DATE:  
SCALE: 1 : 20

DRAWING NUMBER: ISSUE:

A00

1

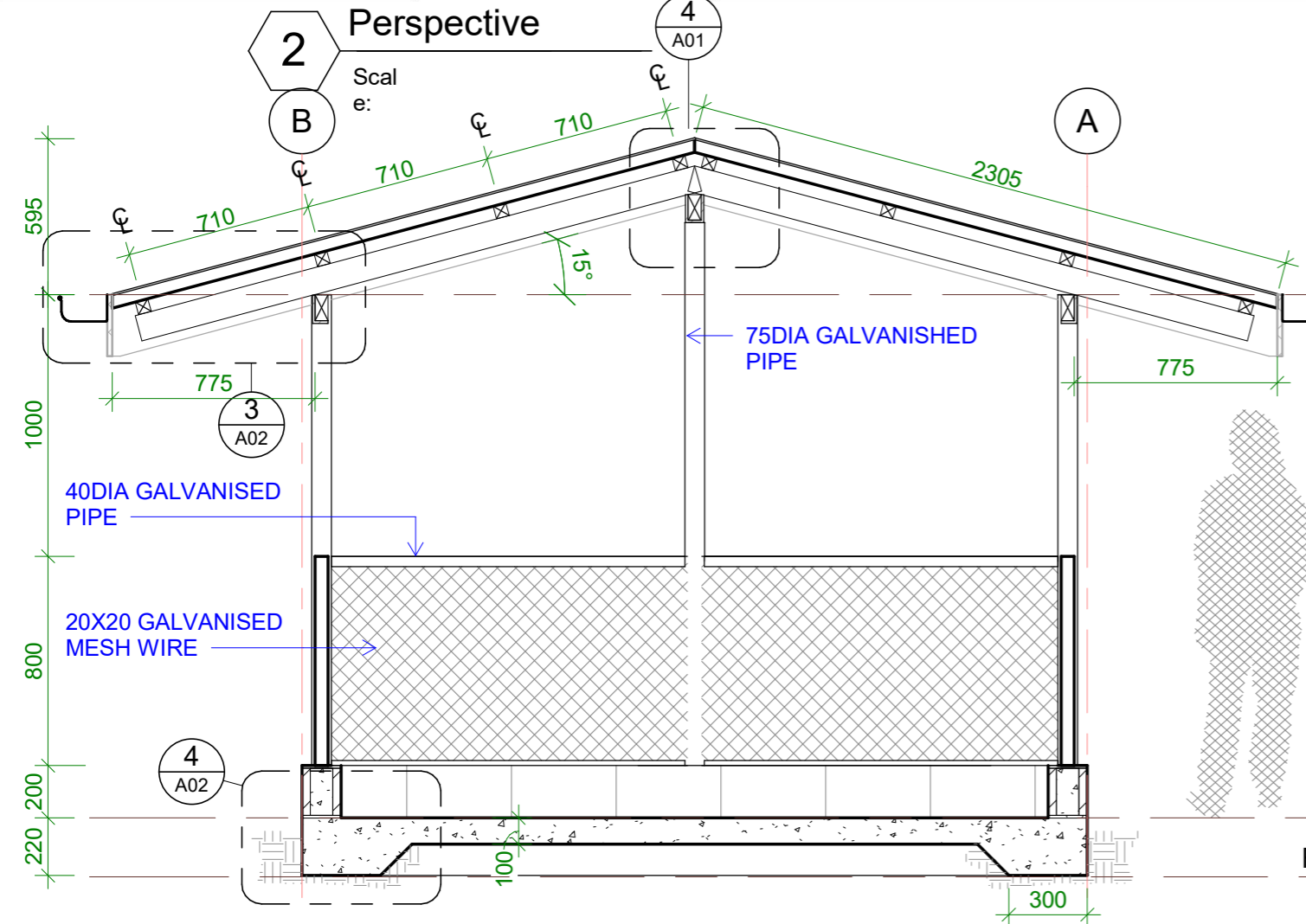


**DRAWING LIST**

- A01 MODEL 3 - PLAN, SECTION & 3D
- A02 ROOF&ROOF FRAMING&DETAIL
- A03 ELEVATION
- A04 DETAIL - SLEEVE JOINTS

**2 Perspective**

Scale:  
e:

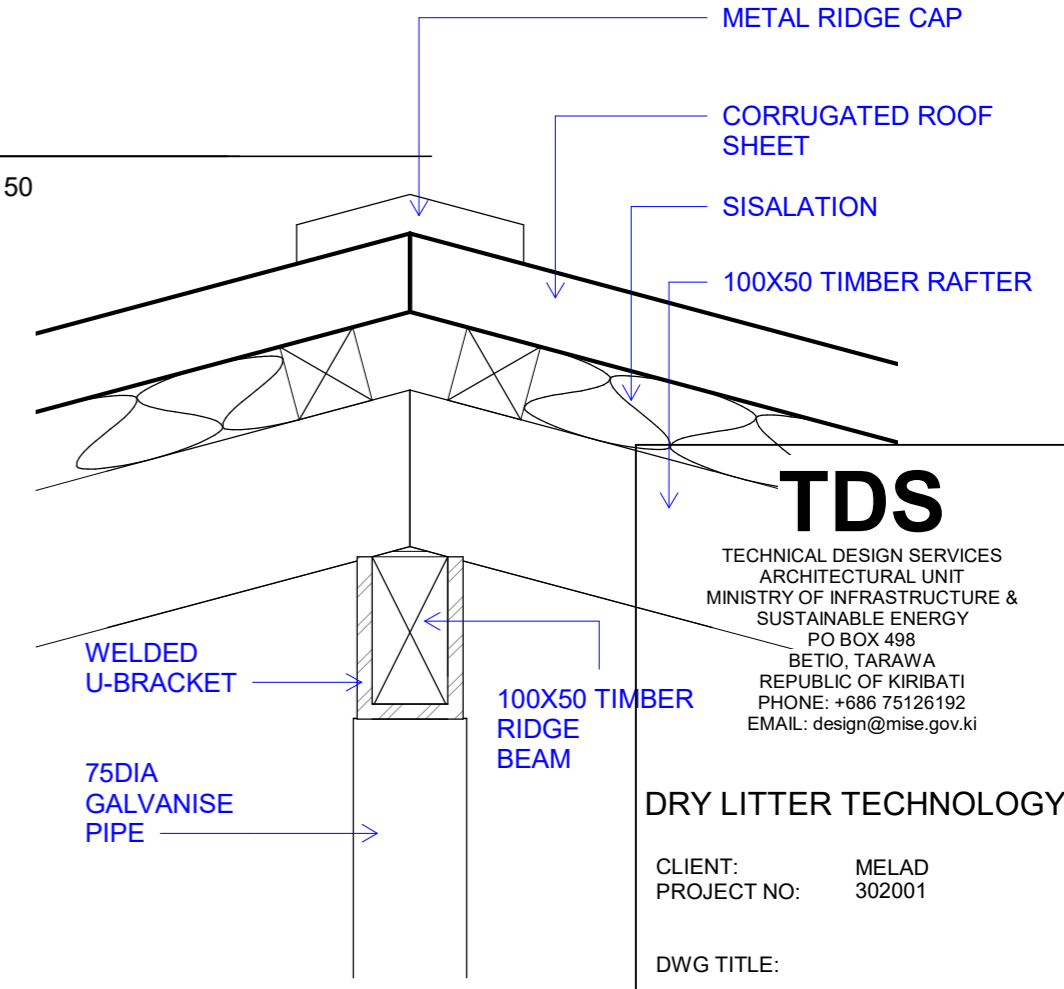


**3 Section**

Scale:  
e:

**1 Plan**

Scale: 1 : 50  
e:



**4 DETAIL - RIDGE**

Scale: 1 : 5  
e:

**TDS**

TECHNICAL DESIGN SERVICES  
ARCHITECTURAL UNIT  
MINISTRY OF INFRASTRUCTURE &  
SUSTAINABLE ENERGY  
PO BOX 498  
BETIO, TARAWA  
REPUBLIC OF KIRIBATI  
PHONE: +686 75126192  
EMAIL: design@mise.gov.ki

**DRY LITTER TECHNOLOGY**

CLIENT: MELAD  
PROJECT NO: 302001

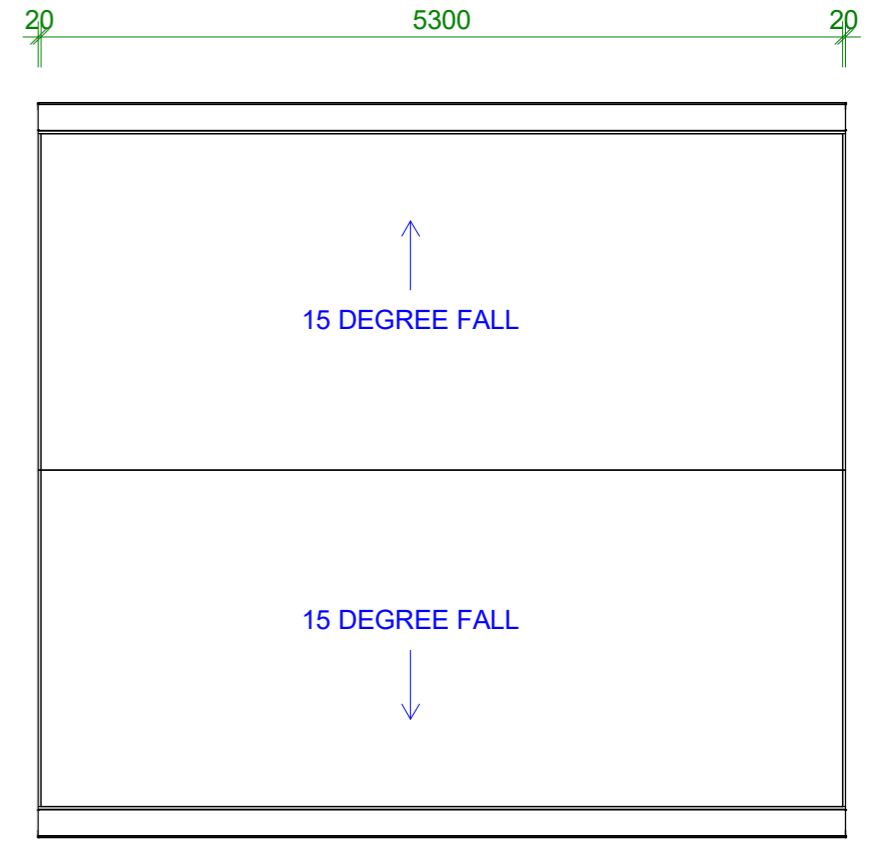
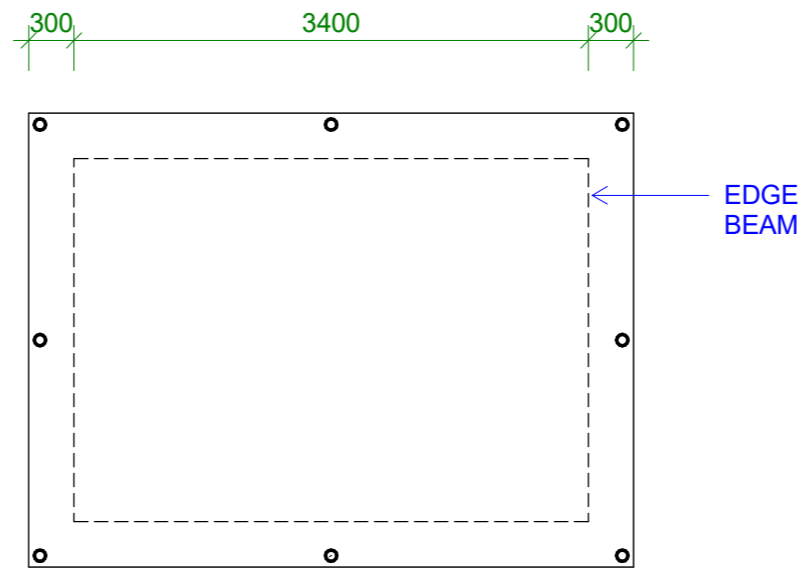
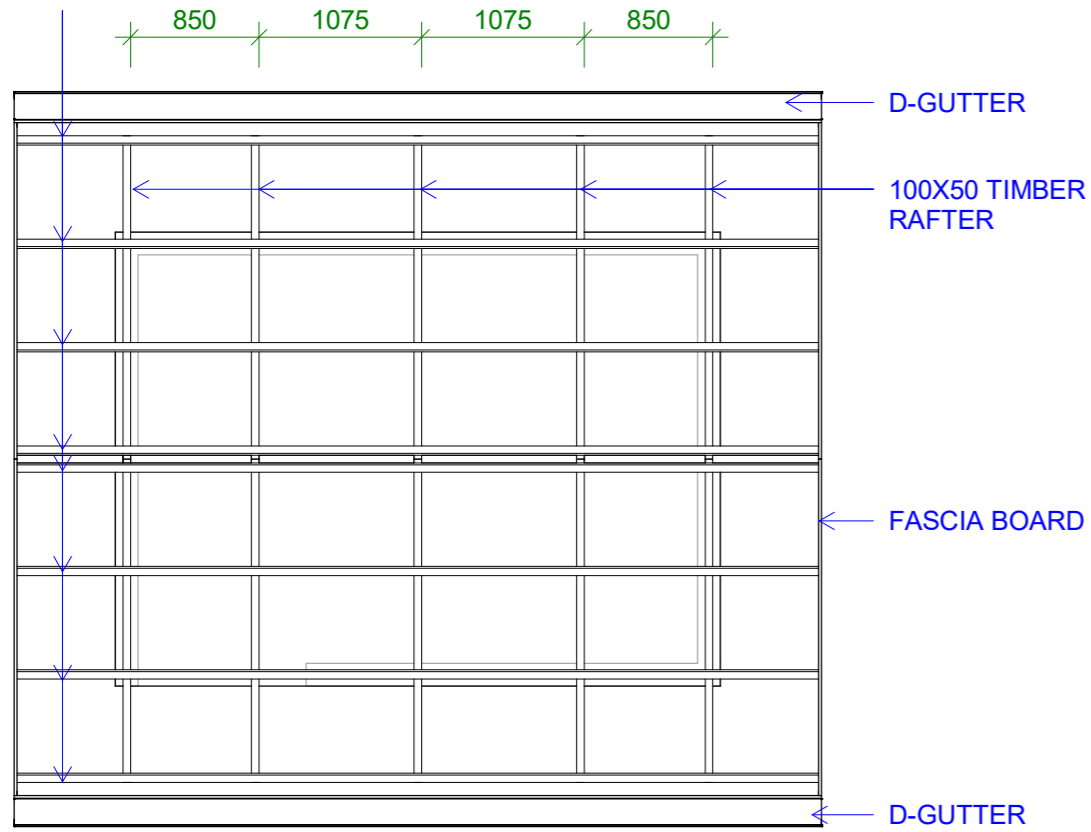
DWG TITLE:  
**MODEL 3 - PLAN,  
SECTION & 3D**

DRAWN BY: KB  
REVIEWED BY: TTEBAU  
DATE: 26/11/2020  
SCALE: As indicated

DRAWING NUMBER: ISSUE:

A01 1

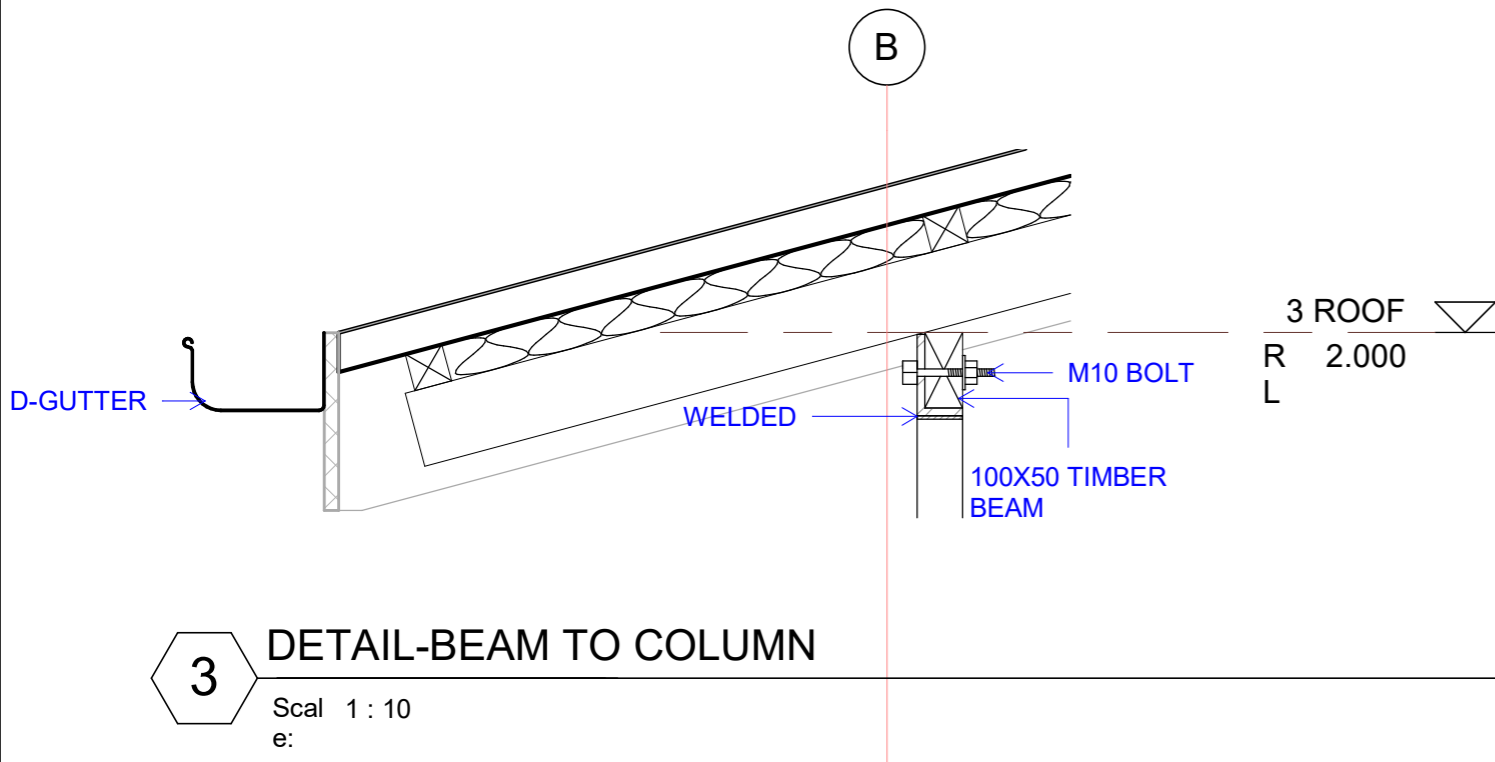
50X50 TIMBER PURLINS



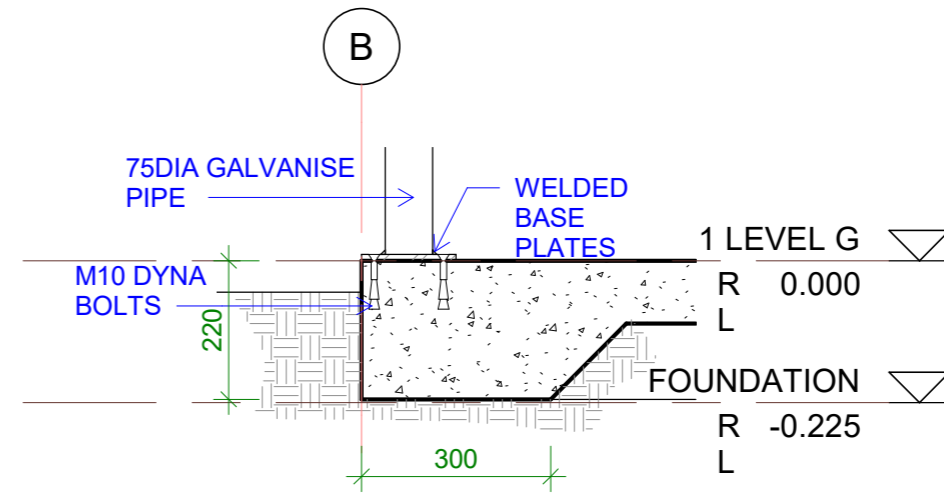
**1** ROOF FRAMING PLAN  
 Scal 1 : 50  
 e:

**5** FOUNDATION  
 Scal 1 : 50  
 e:

**2** ROOF PLAN  
 Scal 1 : 50  
 e:



**3** DETAIL-BEAM TO COLUMN  
 Scal 1 : 10  
 e:



**4** DETAIL - POST TO FLOOR  
 Scal 1 : 12  
 e:

## TDS

TECHNICAL DESIGN SERVICES  
 ARCHITECTURAL UNIT  
 MINISTRY OF INFRASTRUCTURE &  
 SUSTAINABLE ENERGY  
 PO BOX 498  
 BETIO, TARAWA  
 REPUBLIC OF KIRIBATI  
 PHONE: +686 75126192  
 EMAIL: design@mise.gov.ki

### DRY LITTER TECHNOLOGY

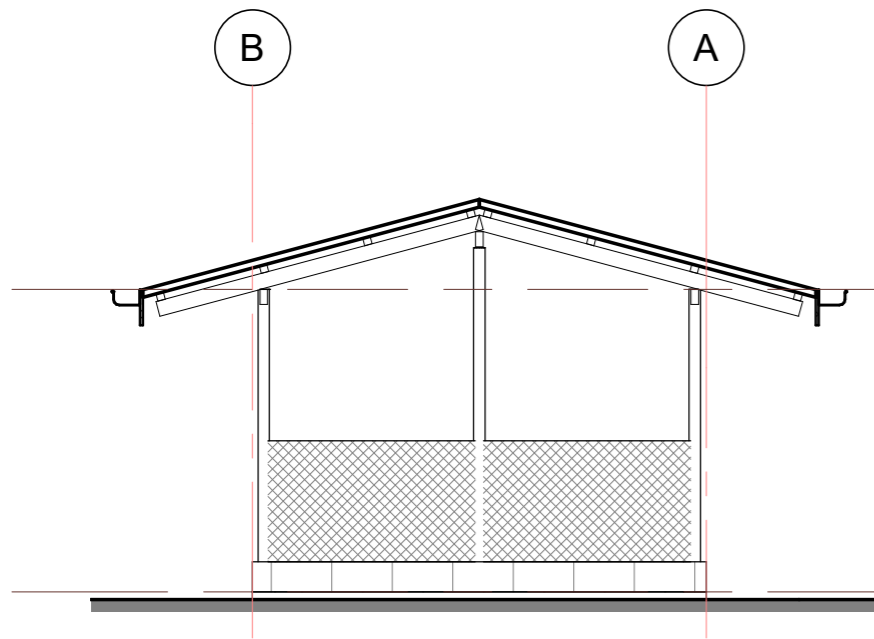
CLIENT: MELAD  
 PROJECT NO: 302001

DWG TITLE:  
**ROOF&ROOF  
 FRAMING&DETAIL**

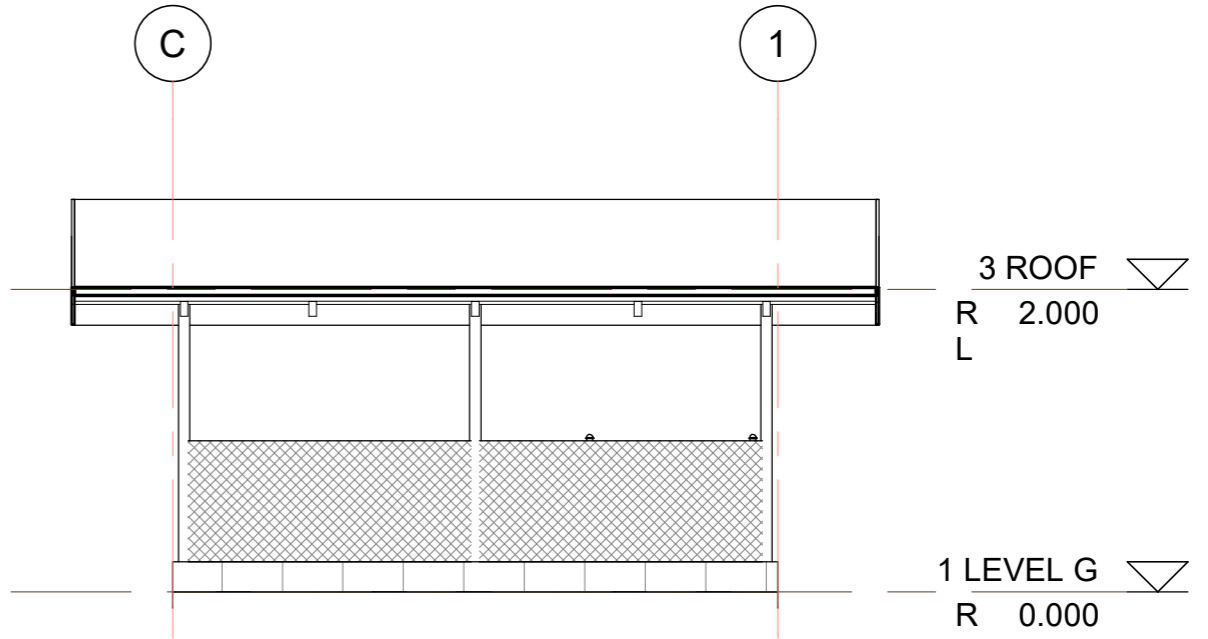
DRAWN BY: KB  
 REVIEWED BY: TTEBAU  
 DATE: 25/11/20  
 SCALE: As indicated

DRAWING NUMBER: ISSUE:  
**A02 1**

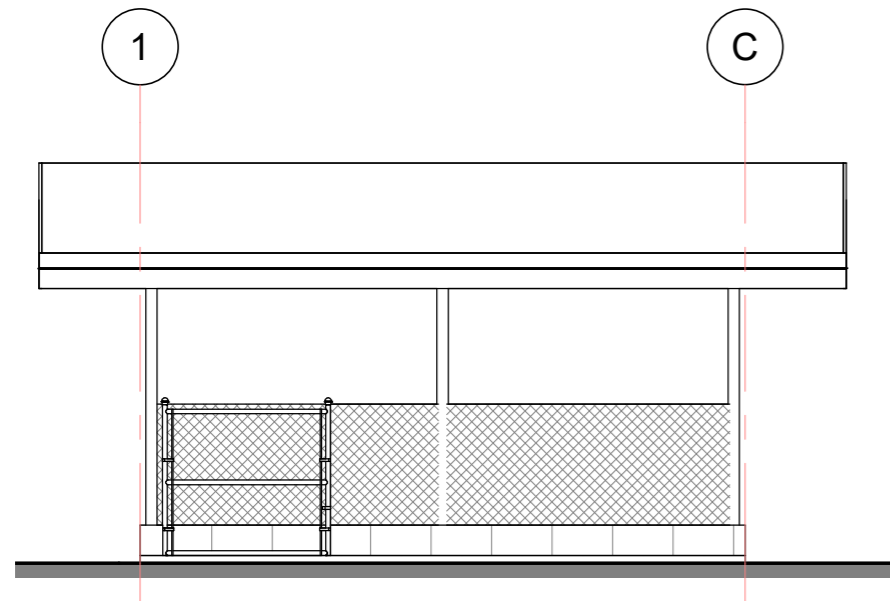




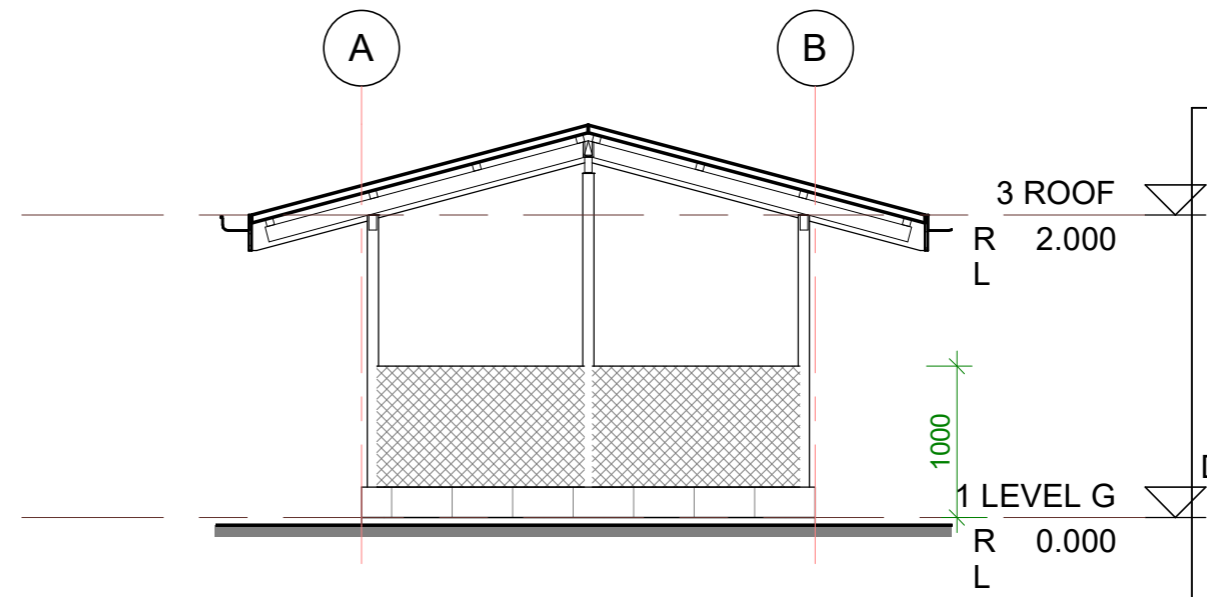
**1 EAST**  
 Scal 1 : 50  
 e:



**2 NORTH**  
 Scal 1 : 50  
 e:



**3 SOUTH**  
 Scal 1 : 50  
 e:



**4 WEST**  
 Scal 1 : 50  
 e:

**TDS**  
 TECHNICAL DESIGN SERVICES  
 ARCHITECTURAL UNIT  
 MINISTRY OF INFRASTRUCTURE &  
 SUSTAINABLE ENERGY  
 PO BOX 498  
 BETIO, TARAWA  
 REPUBLIC OF KIRIBATI  
 PHONE: +686 75126192  
 EMAIL: design@mise.gov.ki

**DRY LITTER TECHNOLOGY**

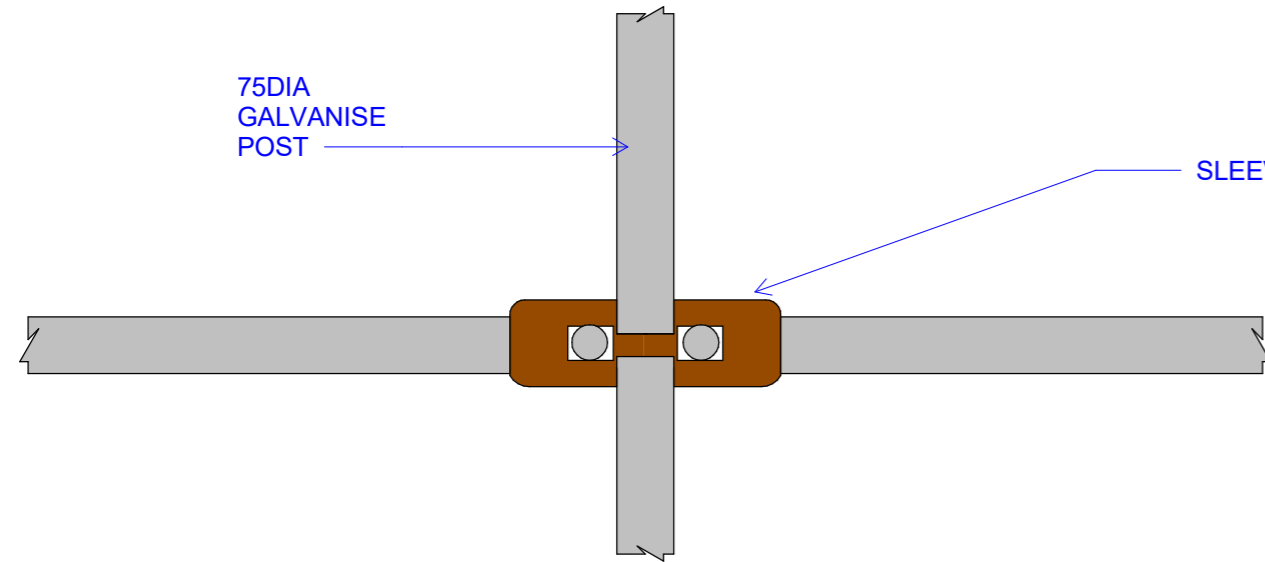
CLIENT: MELAD  
 PROJECT NO: 302001

DWG TITLE:  
**ELEVATION**

DRAWN BY: KB  
 REVIEWED BY: TTEBAU  
 DATE: 25/11/20  
 SCALE: 1 : 50

DRAWING NUMBER: ISSUE:  
**A03 1**



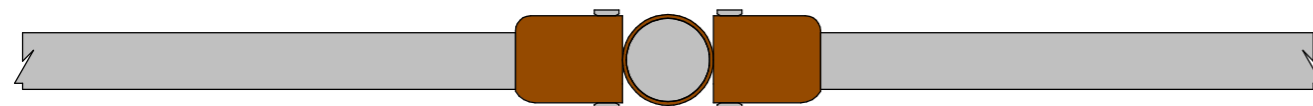


SLEEVE JOINT

DETAIL- SLEEVE JOINT -  
SIDE VIEW

1

Scal 1 : 10  
e:



DETAIL- SLEEVE JOINT - TOP  
VIEW

2

Scal 1 : 10  
e:



**TDS**

TECHNICAL DESIGN SERVICES  
ARCHITECTURAL UNIT  
MINISTRY OF INFRASTRUCTURE &  
SUSTAINABLE ENERGY  
PO BOX 498  
BETIO, TARAWA  
REPUBLIC OF KIRIBATI  
PHONE: +686 75126192  
EMAIL: design@mise.gov.ki

**DRY LITTER TECHNOLOGY**

CLIENT: MELAD  
PROJECT NO: 302001

DWG TITLE:  
**DETAIL - SLEEVE  
JOINTS**

DRAWN BY: KB  
REVIEWED BY: TTEBAU  
DATE: 26/11/20  
SCALE: 1 : 10

DRAWING NUMBER: ISSUE:

A04

1