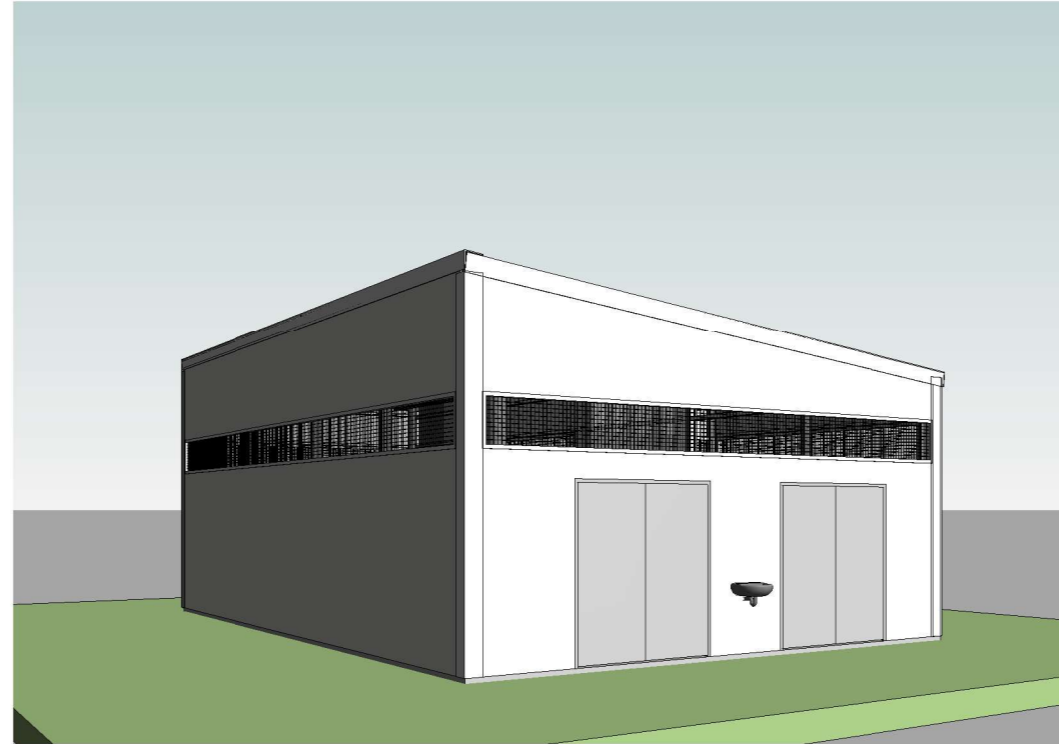


## DRAWING LIST

01	COVER PAGE
A01	SITE PLAN
A02	LAYOUT&FDN PLANS
A03	ELECT&PLUM PLAN
A04	ROOF&ROOF FRAMING PLAN
A30	ELEVATIONS
A50	SECTIONS
A200	DETAILS
A201	OPENING SCHEDULE



# 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

## INCINERATOR SHED

CLIENT: MHMS  
PROJECT NO: 032306

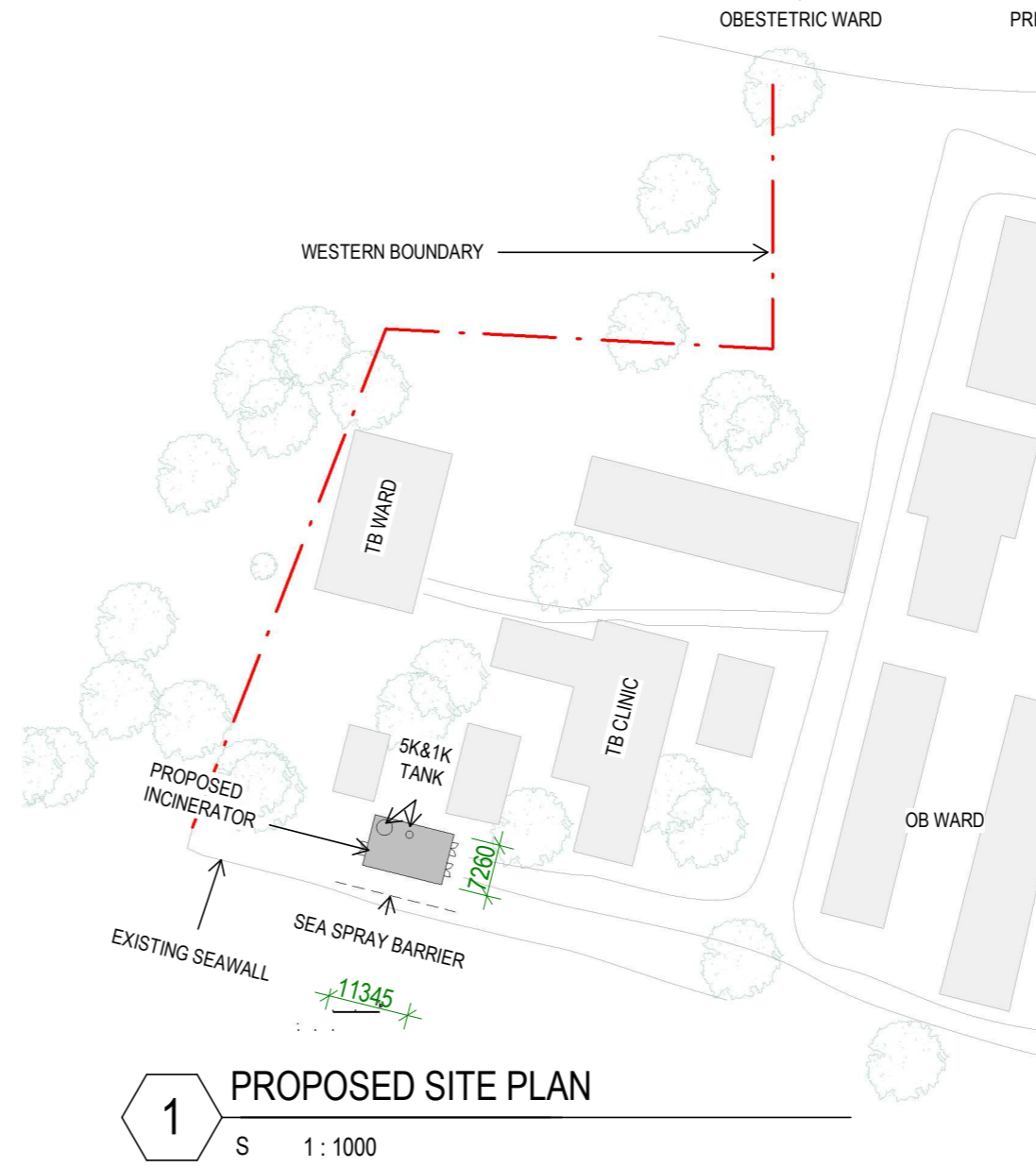
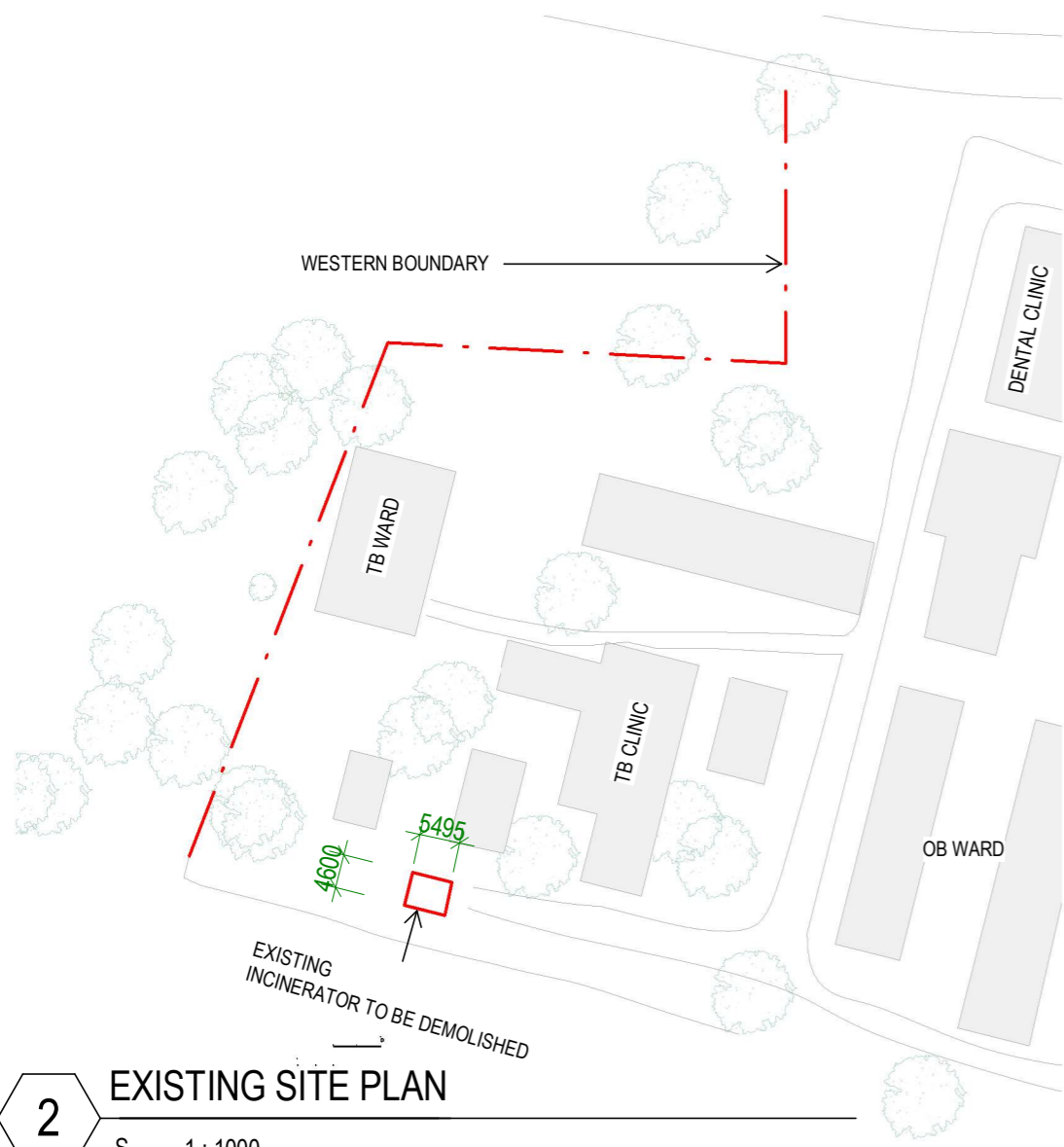
DWG TITLE:  
**COVER PAGE**

DRAWN BY: KB  
REVIEWED BY: JT  
DATE: 22/02/24  
SCALE:

DRAWING NUMBER: ISSUE:

01

DETAIL  
DESIGN



**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

**INCINERATOR SHED**

CLIENT: MHMS  
 PROJECT NO: 032306

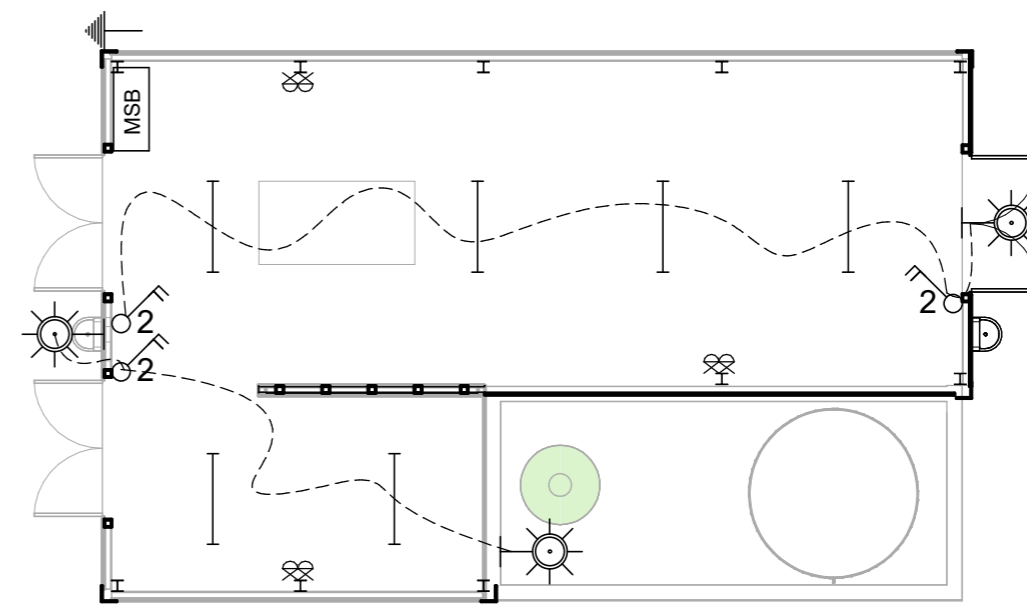
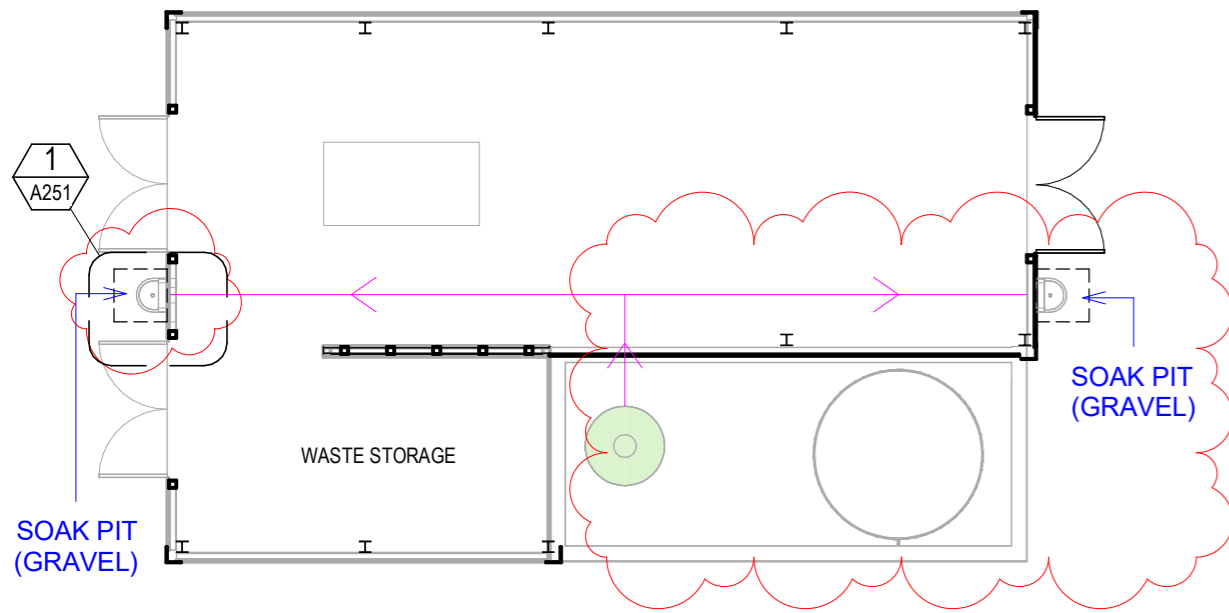
DWG TITLE:  
**SITE PLAN**

DRAWN BY: KB  
 REVIEWED BY: JT  
 DATE: 22/02/24  
 SCALE: As indicated

DRAWING NUMBER: ISSUE:  
**A01** **DETAIL DESIGN**

G:\DESIGN\1.2 Current Projects\032306 MHMS INCINERATOR SHED\08 Drawings\032306 MHMS INCINERATOR SHED\_240212\_V03\_3.rvt 21/03/2024 12:27:48 PM





**2 PLUMBING PLAN**  
S 1:100

**1 ELECTRICAL PLAN**  
S 1:100

**NOTE:**

- GREY AND BLACK WATER DRAINAGE PIPES BOTH CONNECTED TO PUB SEWER LINE.
- DIRECTION OF INLET AND OUTLET PIPES DEPENDS ON LOCATION OF P.U.B. SERVICES IN RELATION TO THE BUILDING ORIENTATION ON SITE.
- STORAGE TANKS CAN BE INCORPORATED TO INLET PIPES (TO KITCHEN SINKS)
- OR TANKS SIMPLY HAVE DIRECT TAP OUTLETS
- TANKS CONCRETE BASE STAND SHOULD BE IN LEVEL WITH THE BUILDING FLOOR LEVEL
- WC CONNECTED TO P.U.B. SALT WATER LINE OR WELL WATER FROM ONSITE HEADER TANK
- SINKS, SHOWERS AND LAUNDRY TAPS CONNECTED TO P.U.B. CLEAN WATER LINE OR WELL WATER FROM ONSITE HEADER TANK

**PLUMBING NOTES AND SPECIFICATIONS:**

USE STAINLESS STEEL FOR ALL DRAINAGE PIPES, ABOVE AND BELOW GROUND.

**PLUMBING LEGEND**

- INLET MIN. 65mm NOMINAL DIAMETER (DN)
- OUTLET (SIZES REFER NOTES BELOW)

MIN. SIZE OF TRAP OUTLET DIAMETER (DN) IN MM):

40 - BASIN	65 DN MIN. FOR ALL BRANCH DRAINS AT 1 IN 40 MIN. GRADE
40 - SHOWER	80 DN MIN. FOR MAIN DRAIN AT 1 IN 60 MIN. GRADE
80 - WATER CLOSET PAN	
40 - LAUNDRY DRAIN	
50 - KITCHEN SINK	

NOTES ARE IN ACCORDANCE TO AS/NZS 3500.5

**4 PLUMBING ITEMS**  
S 1:100

**ELECTRICAL LEGEND**

- Main switch board
- Double GPO
- Light switch single, double
- Earthing
- Wall mounted batten light
- Cable wire
- Light batten double

**FIRE SAFETY**

- ABE fire extinguisher to AS2444 portable fire extinguishers and fire blankets. Place max 1200mm from finished floor level to top of extinguisher or min. 100mm from finished floor level to bottom of extinguisher
- Earth Cable

**3 ELECTRICAL LEGEND**  
S 1:100

**NOTE:**

1. ELECTRICAL SCHEMATIC PLANS SHALL BE INSTALLED BY A QUALIFIED AND LICENSED ELECTRICIAN/ENGINEER
2. WHERE APPLICABLE, USE ENERGY EFFICIENT APPLIANCES & LED LIGHTS
3. CABLE WIRE SIZES SHOULD BE:
  - 4 OR 6 sqmm FOR UNDERGROUND CABLES FROM PUB BOX TO HOUSEHOLD SWITCHBOARD
  - 2.5 sqmm CABLES CONNECTING SWITCH-BOARD TO GPOS
  - 2.5 sqmm CABLES CONNECTING SWITCH-BOARD TO SWITCH POINTS
  - 1.5 sqmm CABLES CONNECTING SWITCH-POINTS TO LIGHTS AND OTHER CEILING/WALL MOUNTED APPLIANCES

1 REVISED

Date 1

**ADD**

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

**INCINERATOR SHED**

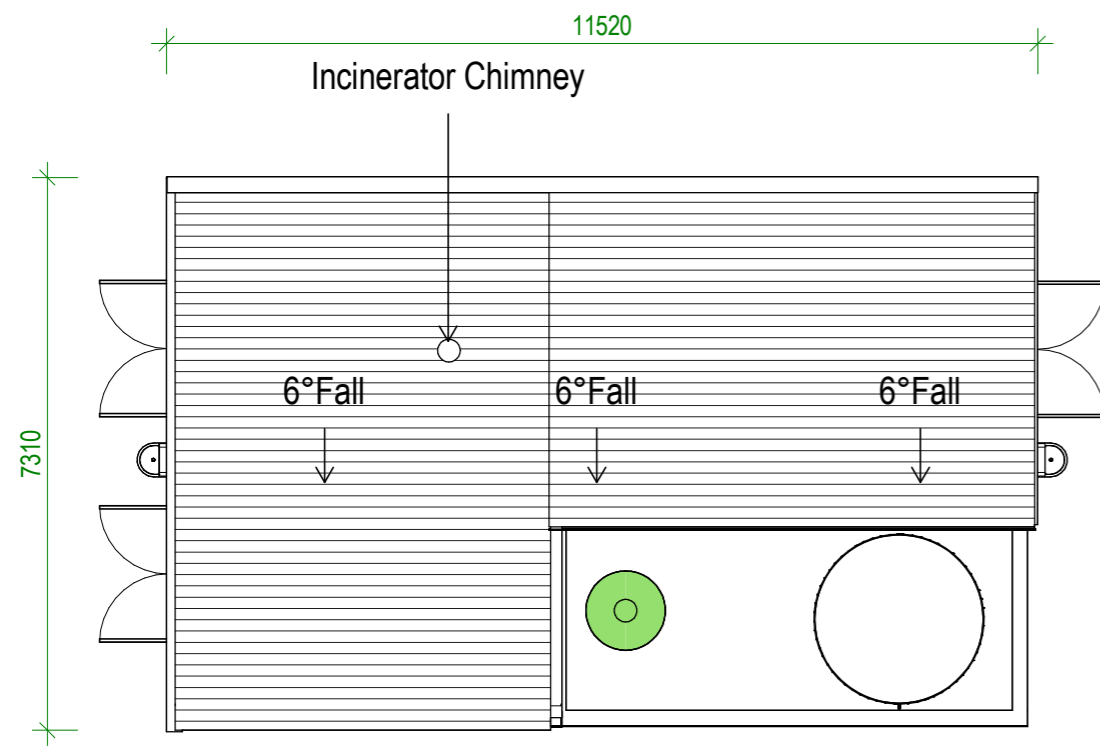
CLIENT: MHMS  
PROJECT NO: 032306

DWG TITLE:  
**ELECT&PLUM PLAN**

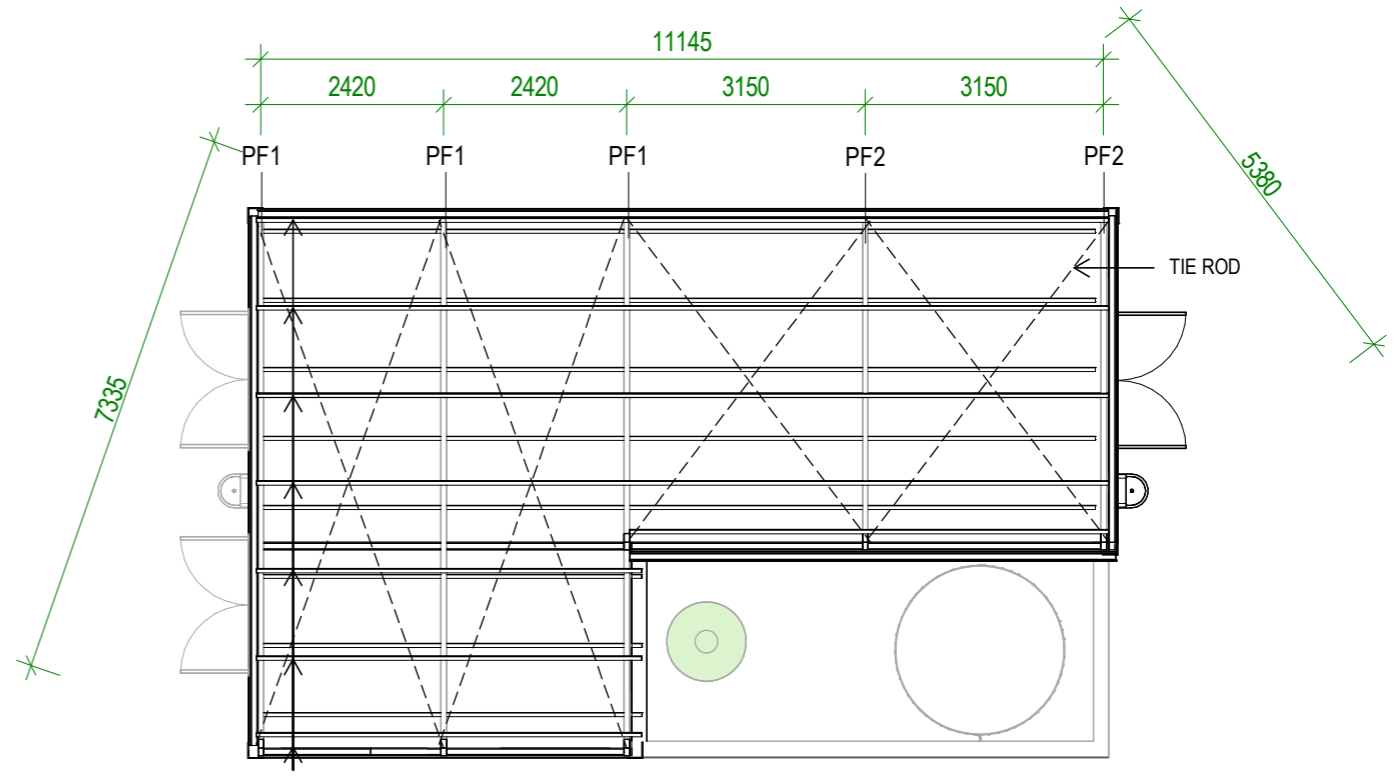
DRAWN BY: KB  
REVIEWED BY: JT  
DATE: 22/02/24  
SCALE: 1:100

DRAWING NUMBER: ISSUE:

**A03 DETAIL DESIGN**

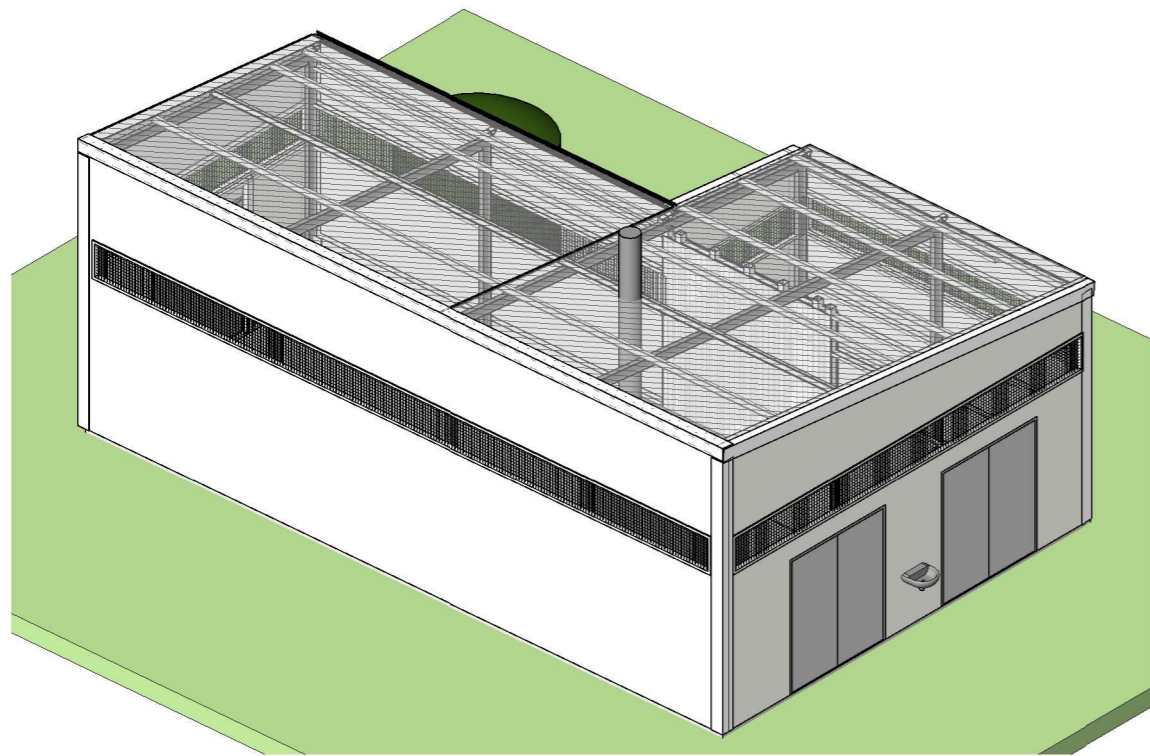


**1** ROOF  
S 1:100

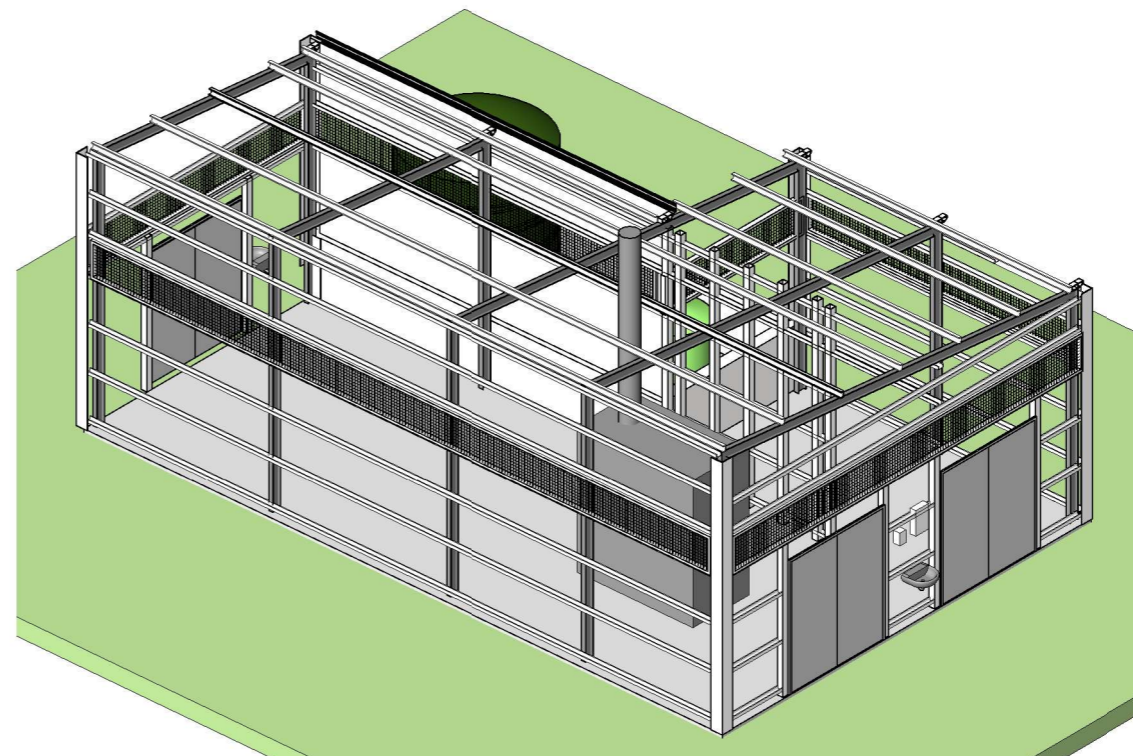


**2** ROOF FRAMING  
S 1:100

C-100 PURLINS



**3** 3D MODEL  
S



**4** SHOWING FRAMES  
S

**ADD**

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

**INCINERATOR SHED**

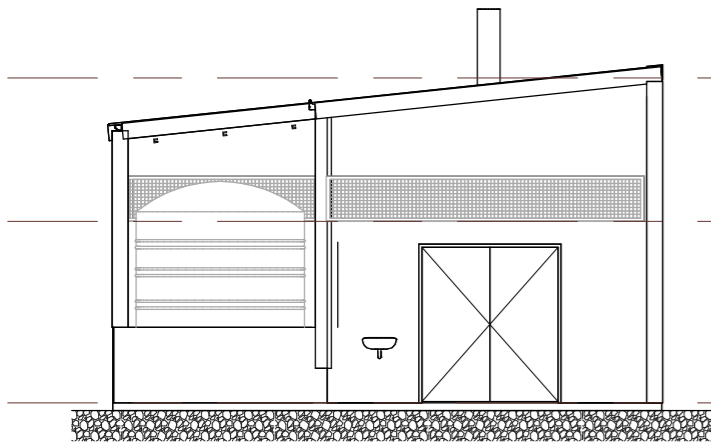
CLIENT: MHMS  
PROJECT NO: 032306

DWG TITLE:  
**ROOF&ROOF FRAMING  
PLAN**

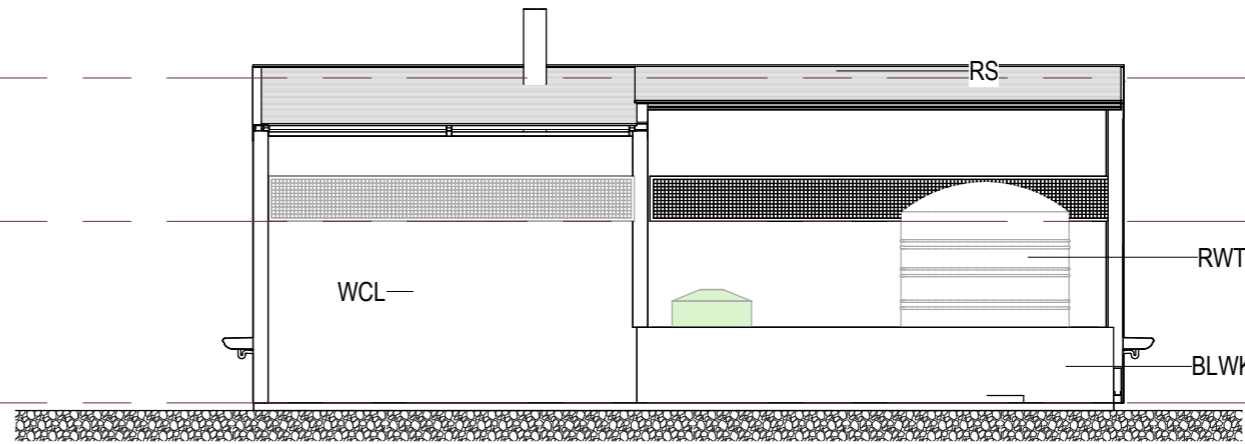
DRAWN BY: KB  
REVIEWED BY: JT  
DATE: 22/02/24  
SCALE: 1:100

DRAWING NUMBER: ISSUE:

**A04 DETAIL DESIGN**



1 EAST  
S 1:100

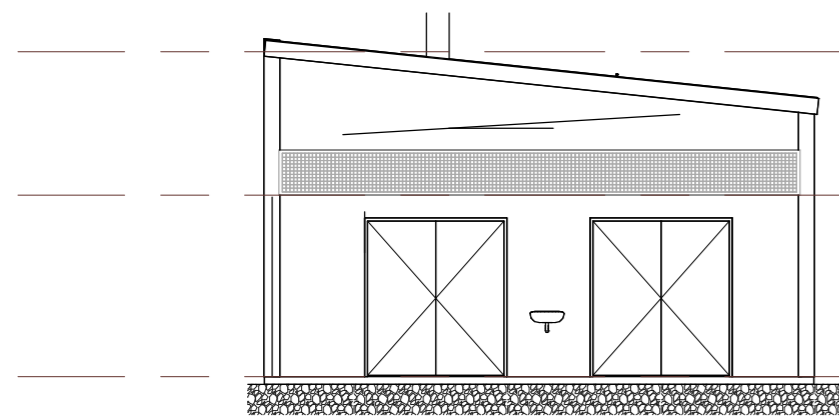


2 SOUTH  
S 1:100

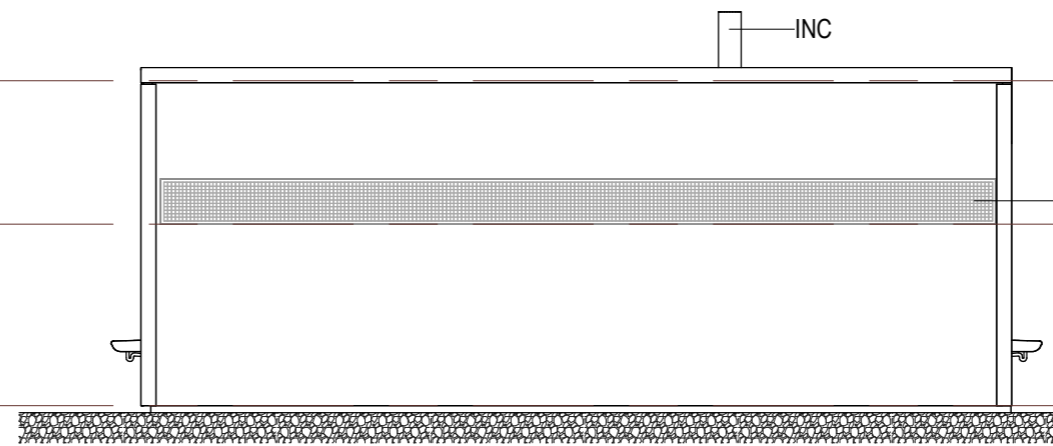
ROOF	▽
R 4.300	
CEILING	▽
R 2.400	
LAYOUT PLAN	▽
R 0.000	

LEGEND

BLWK	REINFORCED CONCRETE BLOCKWORK
INC	Incinerator
MSH	Security Mesh Wire
RS	CUSTOM ORB ROOFING SHEET
RWT	RAIN WATER TANK 5000L
WCL	Custom Orb Walling



3 WEST  
S 1:100



4 NORTH  
S 1:100

ROOF	▽
R 4.300	
CEILING	▽
R 2.400	
LAYOUT PLAN	▽
R 0.000	

**ADD**

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

**INCINERATOR SHED**

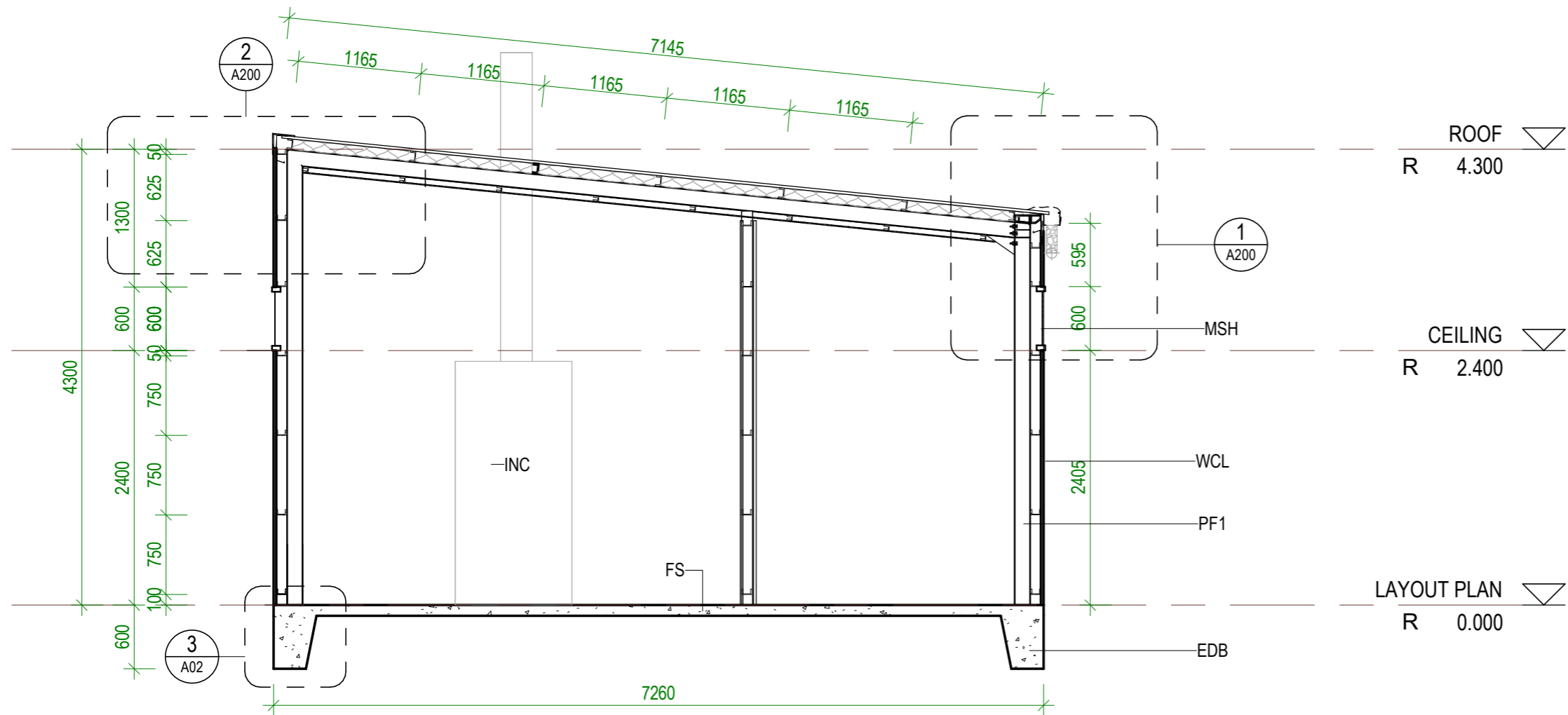
CLIENT: MHMS  
PROJECT NO: 032306

DWG TITLE:  
**ELEVATIONS**

DRAWN BY: KB  
REVIEWED BY: JT  
DATE: 22/02/24  
SCALE: 1:100

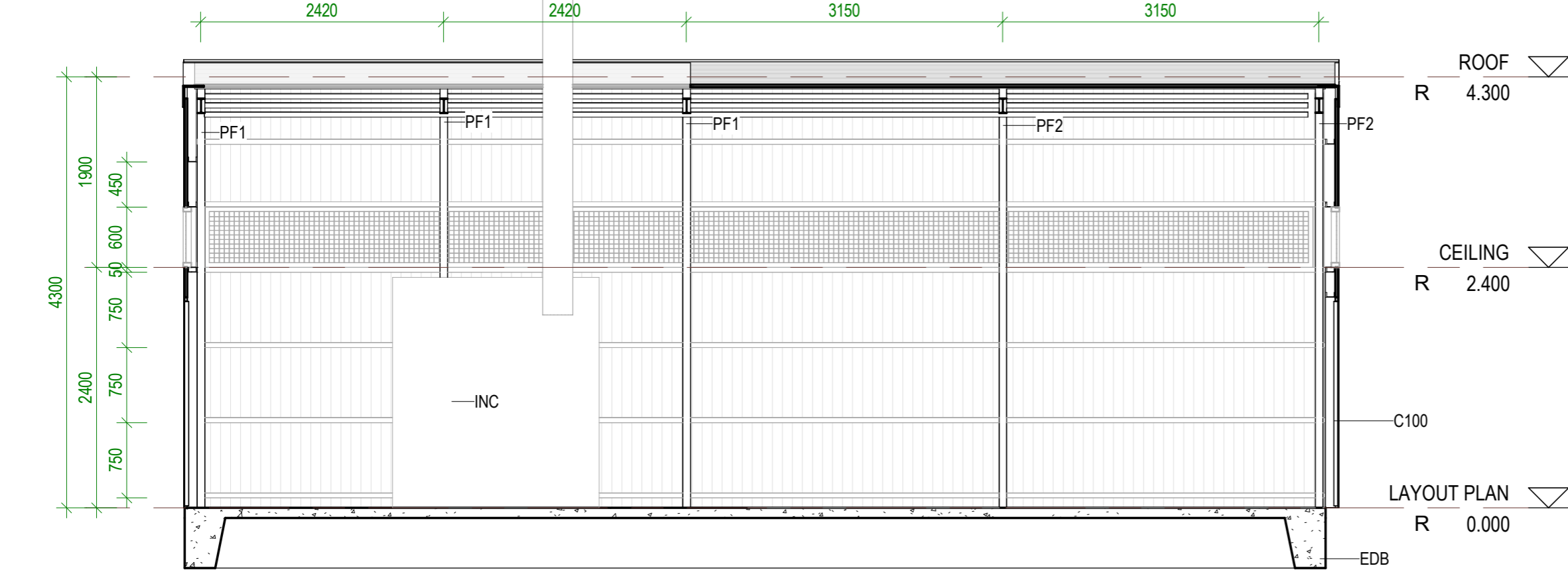
DRAWING NUMBER: ISSUE:

**A30 DETAIL DESIGN**



- LEGEND**
- C100 C-Purlins 100x50
  - EDB EDGE BEAM REFER TO FOOTING A(FA)
  - FS FLASHING SHEET
  - INC Incinerator
  - MSH Security Mesh Wire
  - PF1 Portal Frame Type 1
  - PF2 Portal Frame Type 2
  - WCL Custom Orb Walling

**1 CROSS SECTION**  
S 1:50



**2 LONGITUDINAL SECTION**  
S 1:50

**ADD**  
 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

**INCINERATOR SHED**

CLIENT: MHMS  
 PROJECT NO: 032306

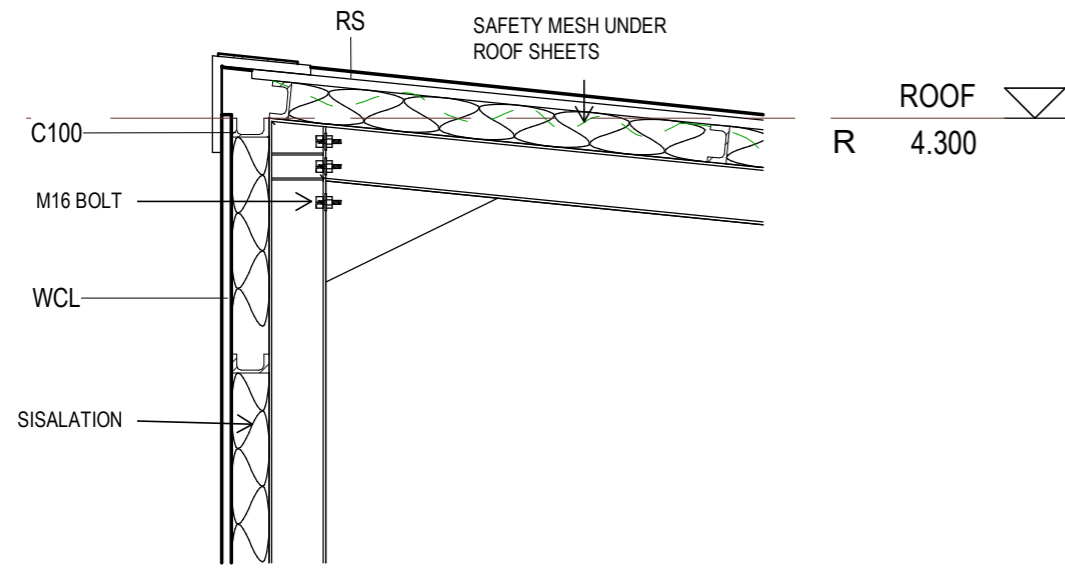
DWG TITLE:  
**SECTIONS**

DRAWN BY: KB  
 REVIEWED BY: JT  
 DATE: 22/02/24  
 SCALE: 1:50

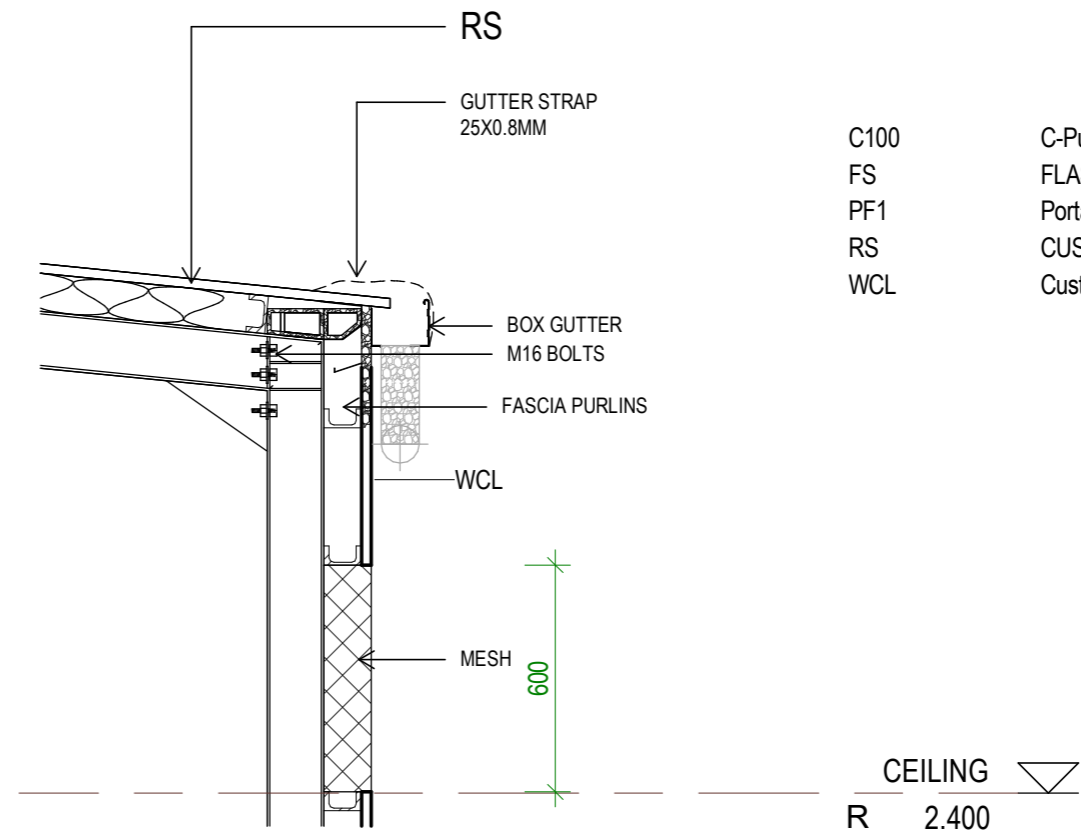
DRAWING NUMBER: ISSUE:

**A50 DETAIL DESIGN**

G:\DESIGN\1.2 Current Projects\032306 MHMS INCINERATOR SHED\08 Drawings\032306 MHMS INCINERATOR SHED\_240212\_Ver 3\_B.rvt  
 21/03/2024 12:27:57 PM

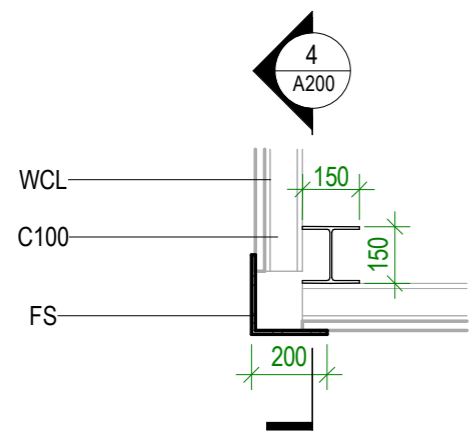


**2** DETAIL - HIGHER COLUMN  
S 1:20

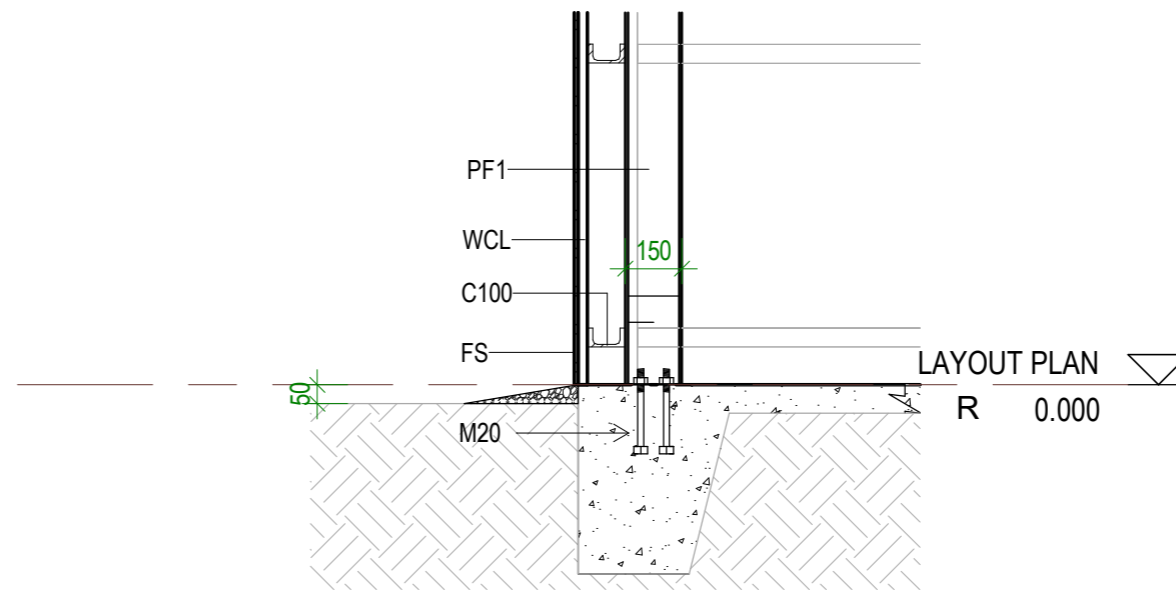


- LEGEND
- C100 C-Purlins 100x50
  - FS FLASHING SHEET
  - PF1 Portal Frame Type 1
  - RS CUSTOM ORB ROOFING SHEET
  - WCL Custom Orb Walling

**1** DETAIL - LOWER COLUMN  
S 1:20



**3** DETAIL - I-BEAM+GIRT+FLASHING  
S 1:20



**4** DETAIL - COLUMN TO CONCRETE  
S 1:20

**ADD**

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

**INCINERATOR SHED**

CLIENT: MHMS  
PROJECT NO: 032306

DWG TITLE:  
**DETAILS**

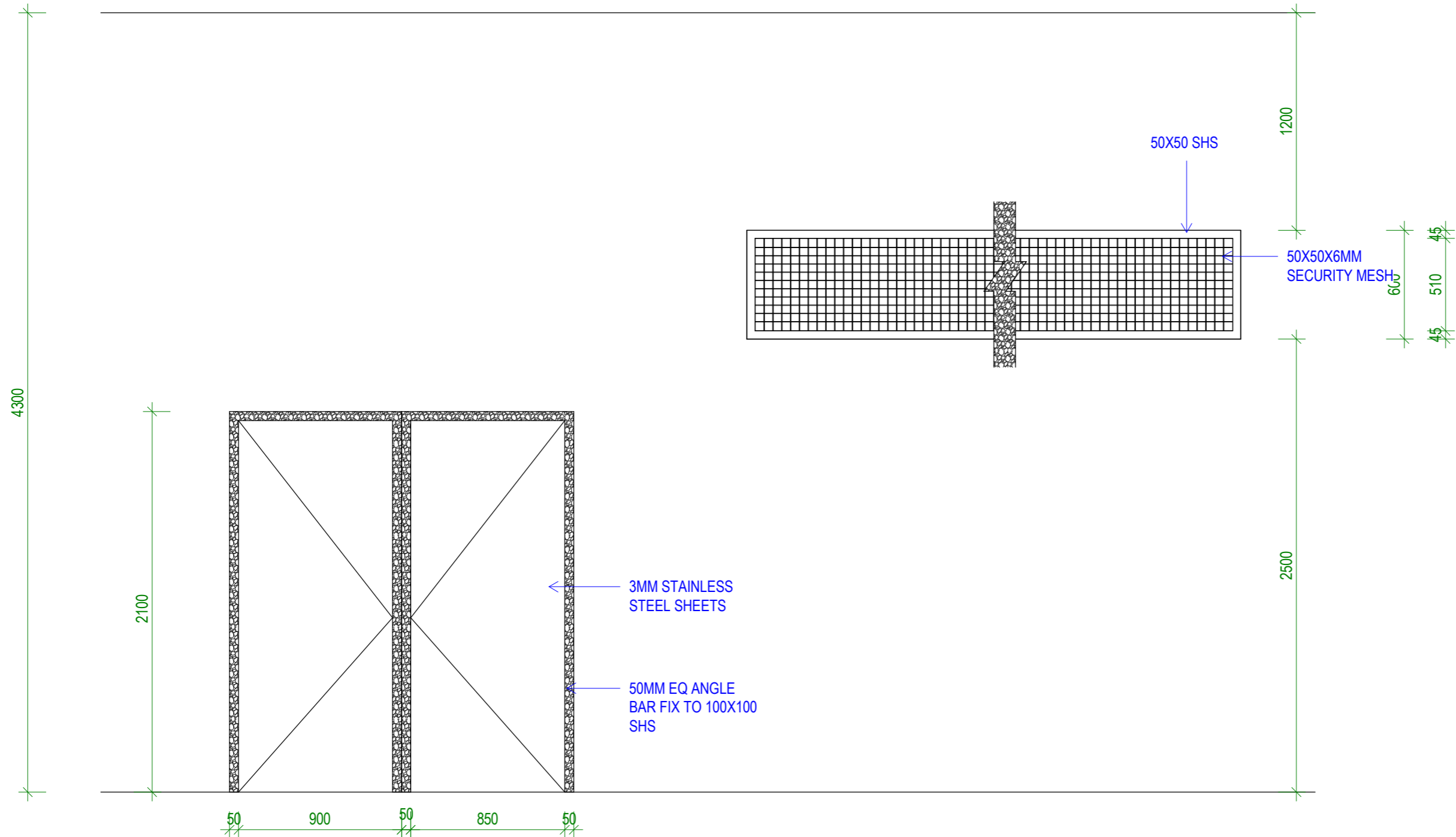
DRAWN BY: KB  
REVIEWED BY: JT  
DATE: 22/02/24  
SCALE: 1:20

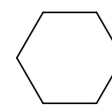
DRAWING NUMBER: ISSUE:

**A200 DETAIL DESIGN**

G:\DESIGN\1.2 Current Projects\032306 MHMS INCINERATOR SHED\08 Drawings\032306 MHMS INCINERATOR SHED\_240913\032306 MHMS INCINERATOR SHED\_240212\_Ver 3.rvt 21/02/2024 12:27:58 PM






**OPENING SCHEDULE**  
 S 1:25

**ADD**

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

**INCINERATOR SHED**

CLIENT: MHMS  
 PROJECT NO: 032306

DWG TITLE:  
**OPENING SCHEDULE**

DRAWN BY: Author  
 REVIEWED BY: Checker  
 DATE: 02/29/24  
 SCALE: 1:25

DRAWING NUMBER: ISSUE:

**A201 DETAIL DESIGN**

## 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

CUSTOM ORB ROOF SHEET  
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

### RAINWATER TANKS

5000&1000 LITRE POLYETHELENE RAINWATER TANK ON CONCRETE FLOOR.  
PROVIDE ALUMINIUM MESH INSECT SCREEN AT INLET IN TOP OF TANK.

## ROOF FRAMING

REFER TO SECTIONS AND DETAILS FOR C-PURLINS, .

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

### CEILING BATTENS/NOGGINGS

Product Code:S5150,Lengths 2400xBMT 0.5xWidth 51xDepth/Height 36  
PRODUCT CODE: S5150 - LENGTH 2400 X BMT 0.5 X WIDTH 51 X DEPTH/HEIGHT 36

## BLOCKWORK & CONCRETING

### CONCRETE BLOCKS

390x190x190 CONCRETE BLOCKS LAID IN STRETCHER BOND.  
10mm FLUSH JOINTED MORTAR TO SPECIFICATION.  
RUN STRING LINE FOR ALL BLOCKWORK COURSES.  
DO NOT TOOL JOINTS.

CHECK DETAILS FOR INSTALLATION OF REINFORCING.  
BACKFILL HOLLOW BLOCKS WITH GROUT.

## BLOCKWORK FINISH

FLUSH JOINTED MORTAR (DO NOT TOOL JOINTS).

### MORTAR MIX

1:3  
CEMENT:SAND RATIO

### GROUT MIX

DESIGN MIX TO CONFIRM TO A MINIMUM OF 20 MPa  
AGGREGATE(10MM)  
USE AT LEAST 300KG OF CEMENT PER CUBIC METRE OF CONCRETE

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

### CONCRETE MIX

DESIGN MIX TO CONFIRM TO A MINIMUM OF 20 MPa  
AGGREGATE(20MM)  
LAY CONCRETE SLAP OVER BLACK PLASTIC SHEETING, 50MM SAND  
BLINDING AND 150MM COMPACTED HARDCORE  
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

### REINFORCING

ALL STEEL REINFORCING TO BE MINIMUM GRADE 300MPa

FT  
SELECTED FLOOR TILE

WT  
SELECTED WALL TILE (UP TO 1200mm AT TOILET WET AREAS)

CT  
SELECTED FLOOR NON SLIP TILES AT TOILET WET AREAS

## EXTERNAL PAINTING

### WINDOW FRAMES AND FASCIA

1 COAT 1 STEP OIL BASED PRIMER SEALER UNDERCOAT  
2 COATS OF SEMI-GLOSS ENAMEL  
COLOUR: TO BE SELECTED

## INTERNAL PAINTING

### INTERNAL WALLS AND CEILINGS

1 COAT SEALER  
2 COATS WASH AND WEAR LOW SHEEN  
COLOUR: SELECTED WHITE

### TRIMS (SKIRTINGS, ARCHITRAVES, INTERNAL DOORS & FRAMES)

1 COAT 1 STEP OIL BASED PRIMER SEALER UNDERCOAT  
2 COATS OF SEMI-GLOSS ENAMEL  
COLOUR: SELECTED WHITE

# ADD

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

## INCINERATOR SHED

CLIENT: MHMS  
PROJECT NO: 032306

DWG TITLE:

## CONSTRUCTION SPECIFICATION

DRAWN BY: T.Titaake  
REVIEWED BY: P.T/T.T/T.M  
DATE: 12/02/15  
SCALE: 1 : 20

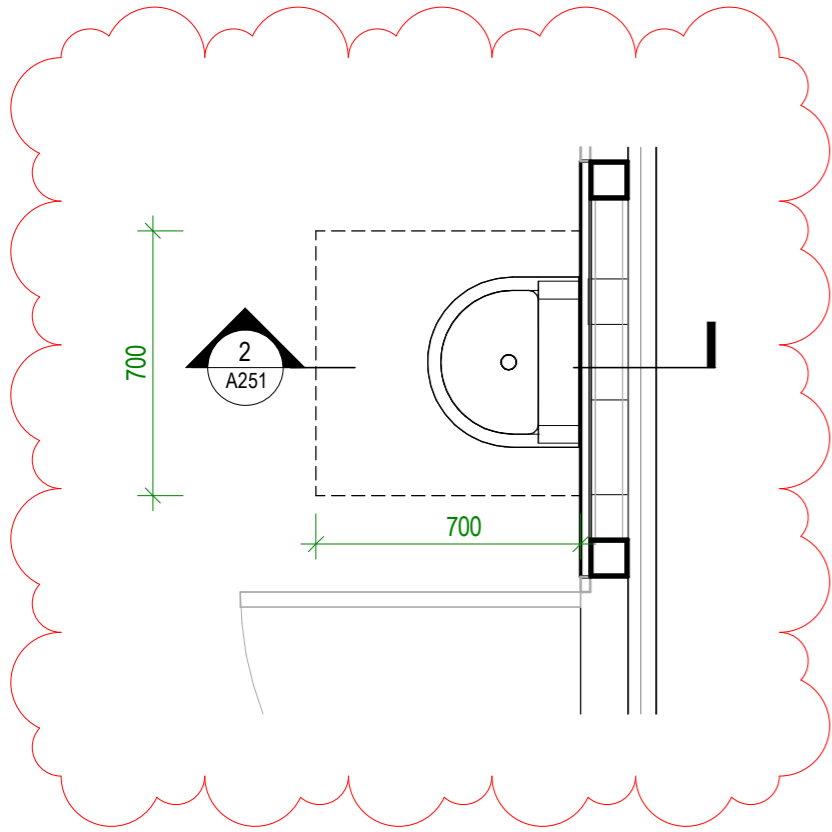
DRAWING NUMBER: ISSUE:

A250 DETAIL DESIGN

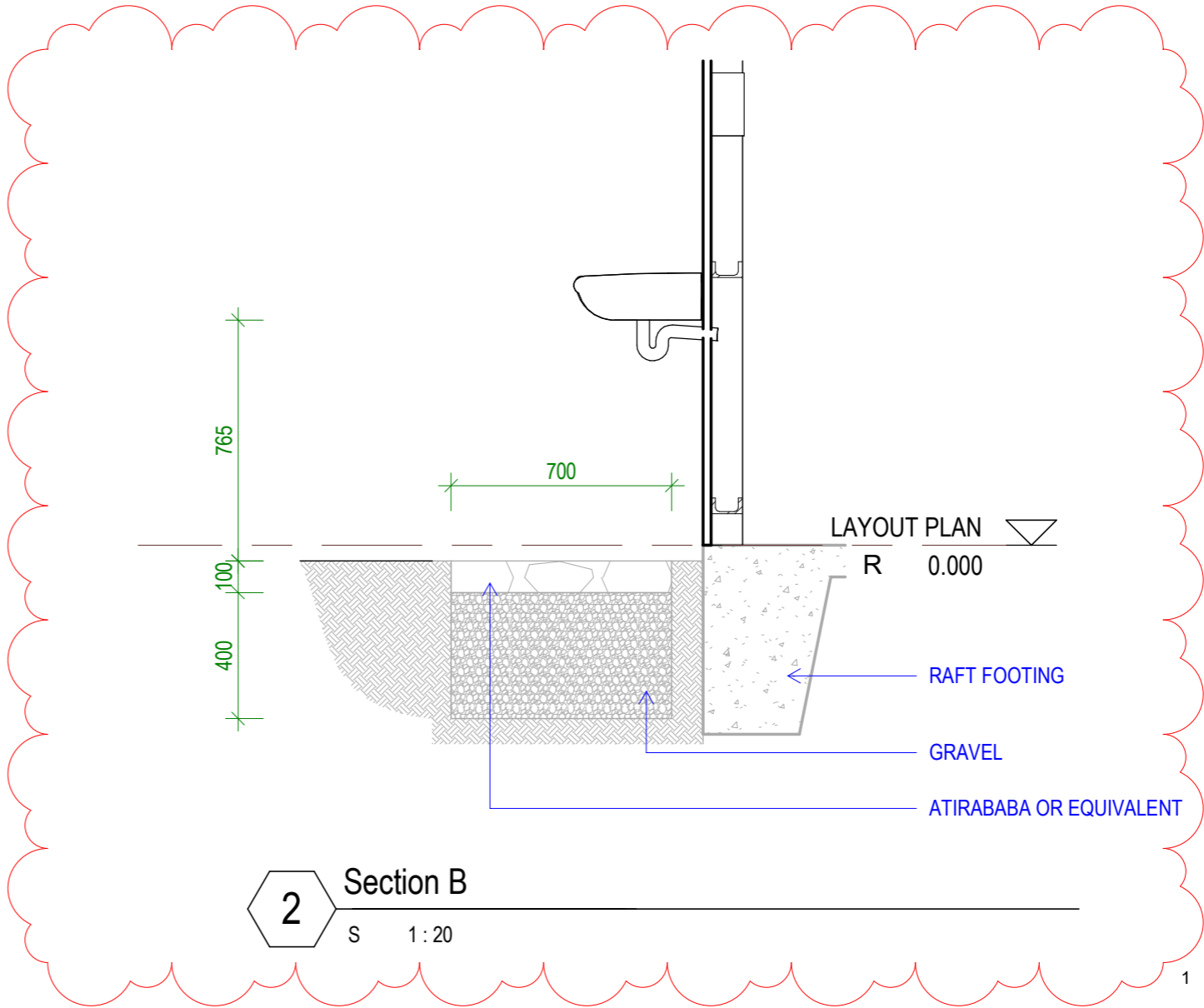


## Construction Specification

S 1 : 20



**1** DETAIL - SOAK PIT  
S 1:20



**2** Section B  
S 1:20

1 REVISED

Date 1

**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

**INCINERATOR SHED**

CLIENT: MHMS  
PROJECT NO: 032306

DWG TITLE:  
**DETAILS - SOAK PIT**

DRAWN BY: KB  
REVIEWED BY: JT  
DATE: 21/03/24  
SCALE: 1:20

DRAWING NUMBER: ISSUE:

**A251**      **DETAIL DESIGN**

G:\DESIGN\1.2 Current Projects\032306 MHMS INCINERATOR SHED\08 Drawings\032306 MHMS INCINERATOR SHED\_240313\032306 MHMS INCINERATOR SHED\_240312\_Ver 3.rvt 21/03/2024 12:27:56 PM