Trench Latrines Block
Isometric view

Latrine Cubicle
Plan 1:50

1225

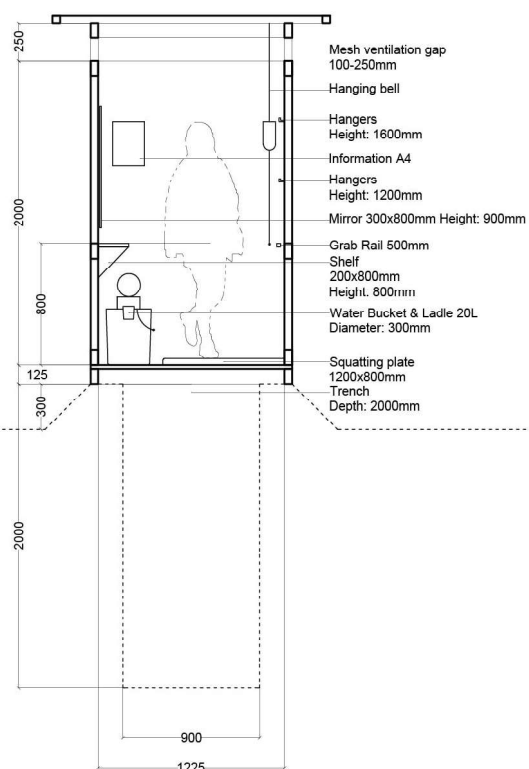Waste disposal bucket 150L
Diameter: 500mm

Information A4
Hanging bell
Waste disposal PVC chute Diameter: 150mm

Grab Rail 500mm
Mirror 300x800mm Height: 900mm

Squatting plate 1200x800mm
Hangers Heights: 1600 and 1200mm
Water Bucket & Ladle 20L Diameter: 300mm
Shelf 200x000mm Height: 000mm

Door Lock

Self closing door 750mm wide

Vertical Door handle 500mm
Height: 900mm

750

1225

Latrine Cubicle PRM
Plan 1:50

2475

Waste disposal bucket 150L
Diameter: 500mm

Grab Rail 500mm
Waste disposal PVC chute Diameter: 150mm
Hanging bell
Seated toilet add on: Icono or KK Nag
Plate 1200x800mm

Mirror 300x800mm Height: 600mm

Water Bucket & Ladle 20L
Diameter: 300mm
Information A4

Shelf 200x800mm Height: 800mm

Hangers Heights: 1200mm & 1000mm

Self closing door 900mm wide

Horizontal Door handle 500mm
Height: 800mm
Door lock

900

1650

Latrine Cubicle
Section 1:50

250

Mesh ventilation gap
100-250mm

Hanging bell

Hangers
Height: 1600mm

Information A4

Hangers
Height: 1200mm

Mirror 300x800mm Height: 900mm

Grab Rail 500mm
Shelf
200x800mm
Height: 800mm

Water Bucket & Ladle 20L
Diameter: 300mm

Squatting plate
1200x800mm
Trench
Depth: 2000mm

2000

800

125

300

2000

900

1225

Latrine Cubicle PRM
Section 1:50

250

Mesh ventilation gap
Front gap height: 250mm
Rear gap height: 100mm

Hanging bell

Information A4

Mirror 300x800mm Height: 600mm

Grab Rail 500mm
Shelf 200x800mm
Height: 800mm
Waste disposal PVC chute Diameter: 150mm

Water Bucket & Ladle 20L
Diameter: 300mm

Seated toilet add on: Icono or KK Nag
Plate 1200x800mm

Trench
Depth: 2000mm

2000

800

125

300

2000

1200

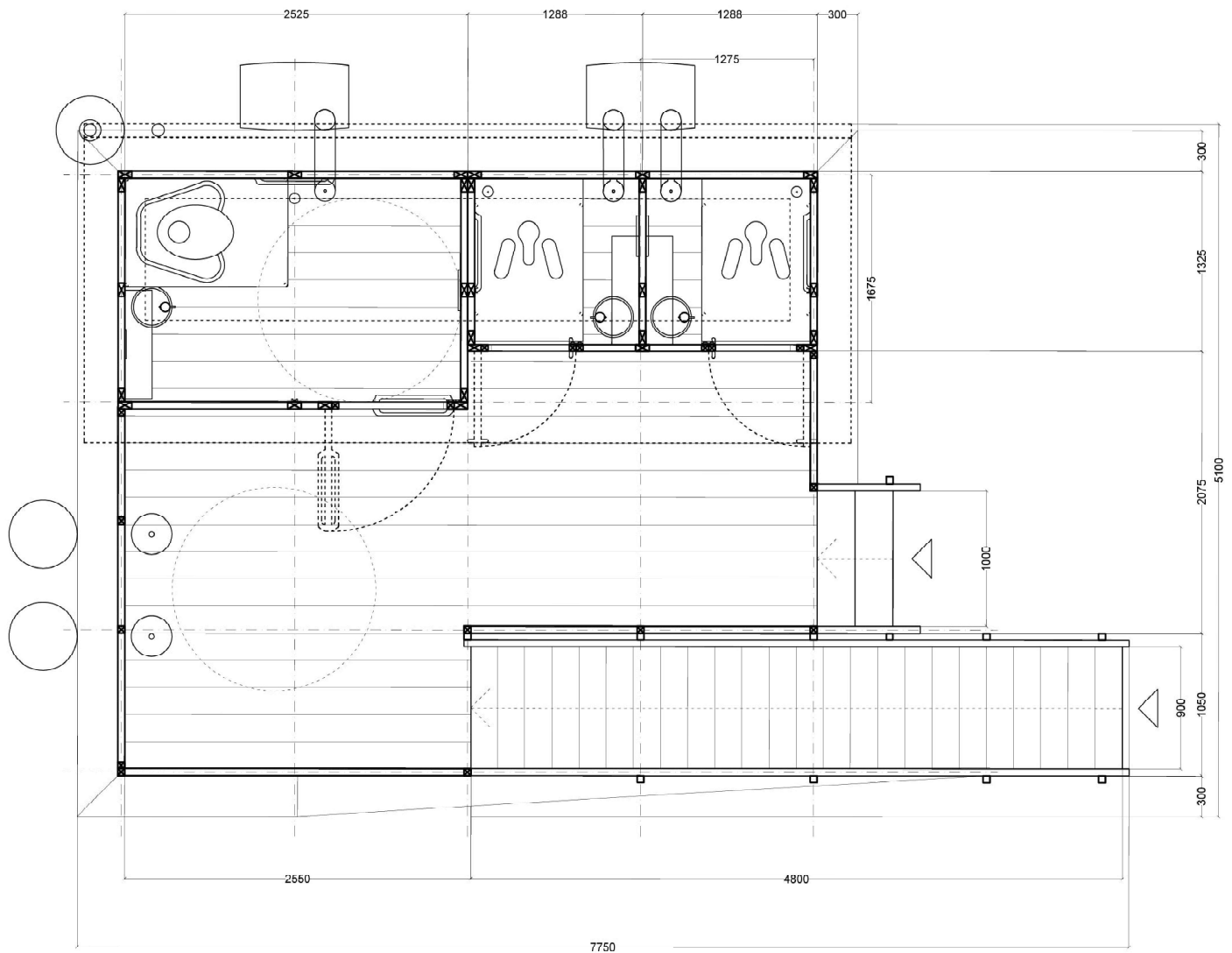2500

900

Trench Latrine Cubicles
Plan & Section

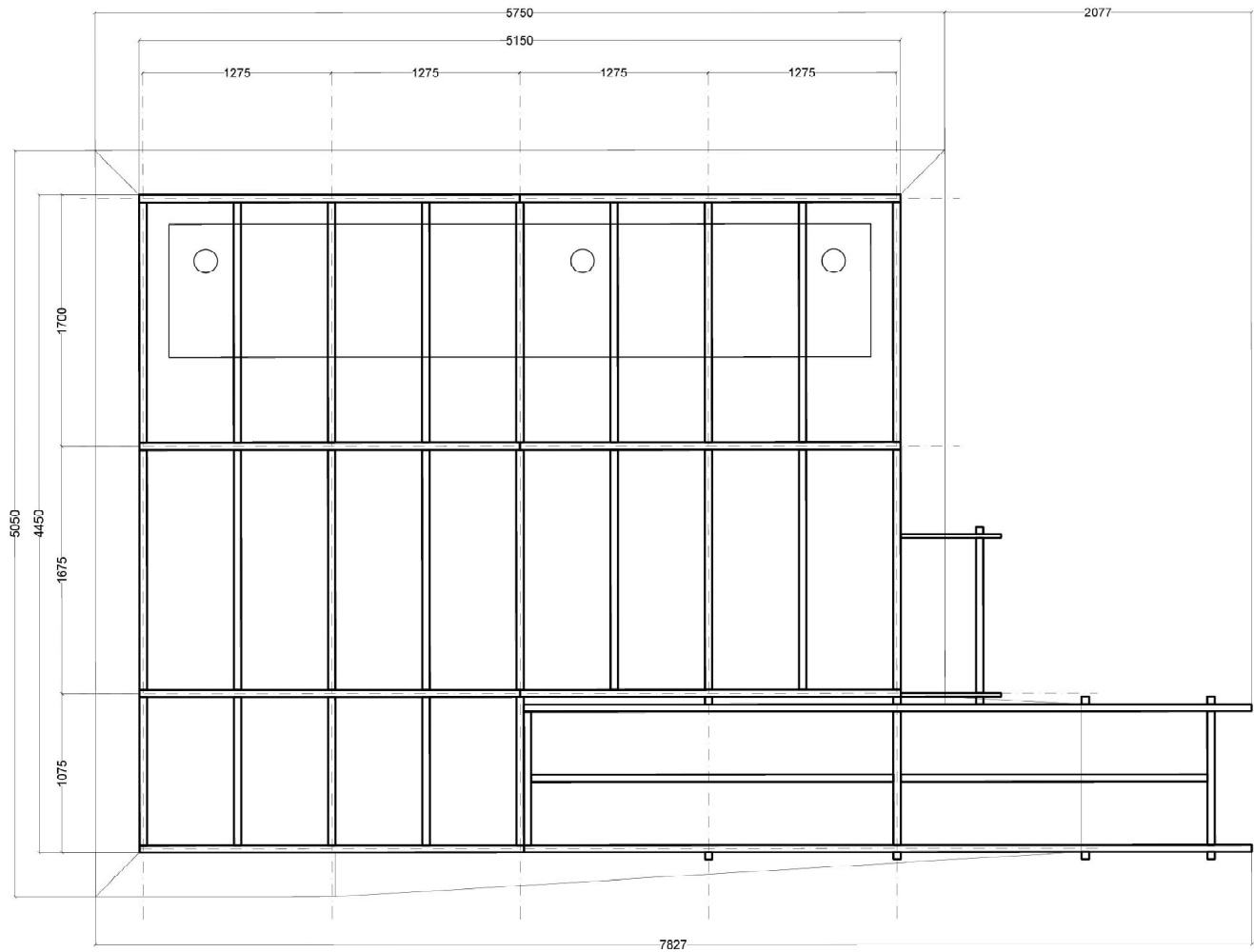Print to size A4

MARCH 2022

General Plan
1:50

Trench Latrines Block
Plans

Print to size A4
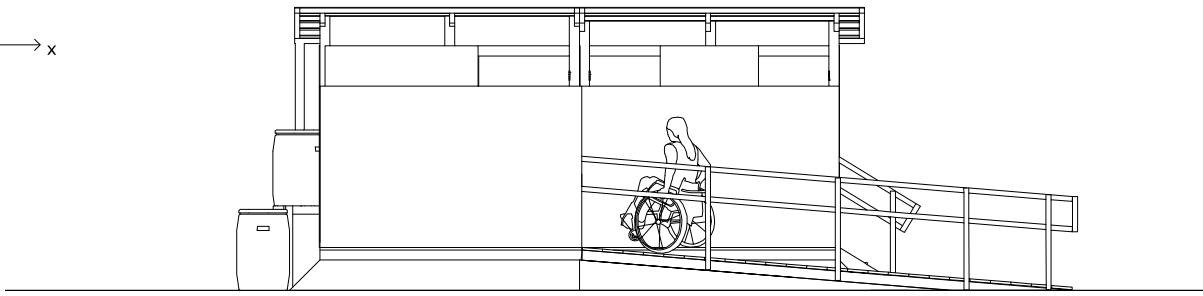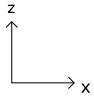
MARCH 2022

Support Structure Plan
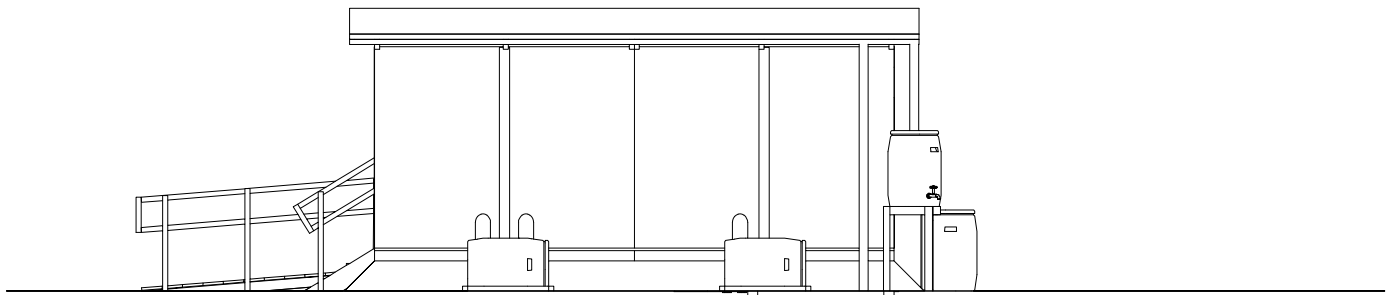1:50

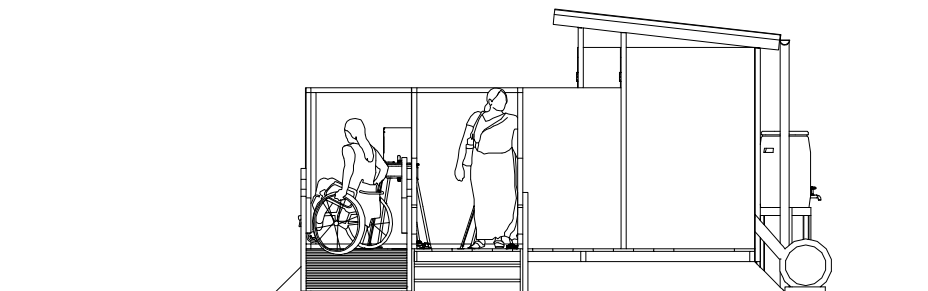## Trench Latrines Block
Plans

Print to size A4

Front View
1:75

z
→ x

Rear View
1:75

z
x ←

Side View
1:75

z
y ←
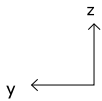
Trench Latrines Block
Elevation Views

Print to size A4

Front View
1:75

z
x

250 5150 250

905
605

2500

300

200 4750 200 300

Rear View
1:75

z
y

2600 1640

2000 2500

100
300
500

2000
1700

300 3350 900 205 295
5050
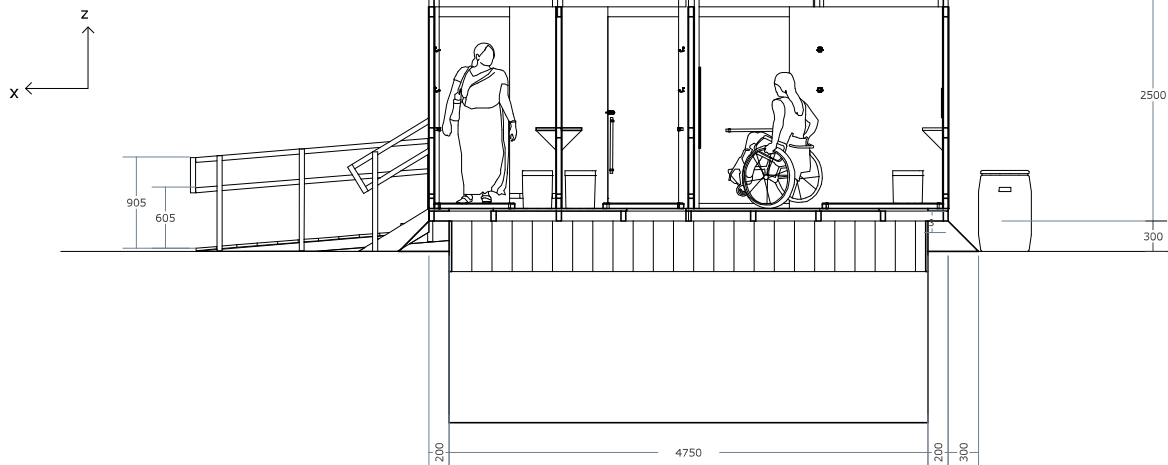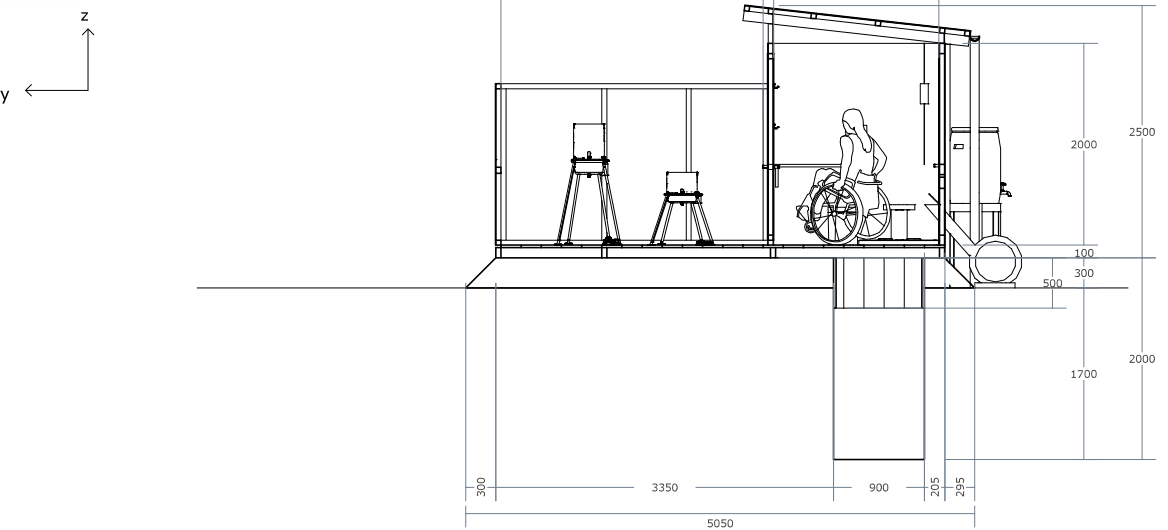
Ramp & Stairs Elevation
1:75

z
x

4884
893
350 250
250 350
1330 980 1020 1017 985 1012 943 900 550
204 98
1230 1237 1225 765 264
4860
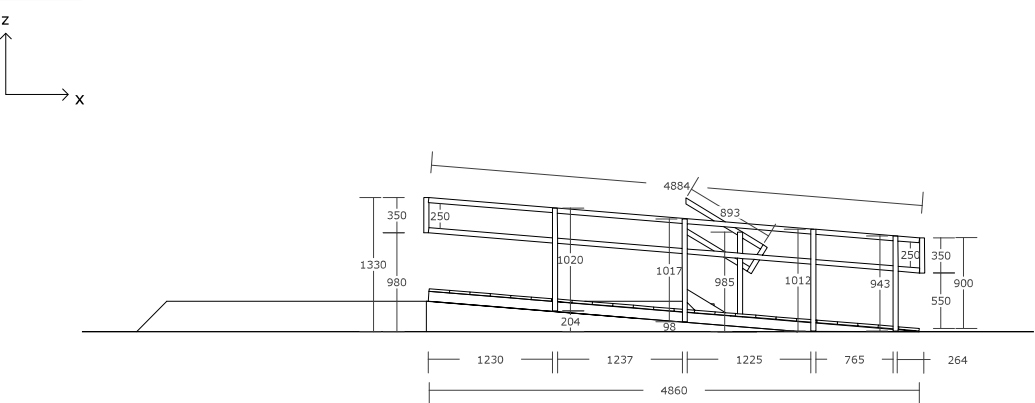
Trench Latrines Block
Section Views

Print to size A4

MARCH 2022

Isometric Front View
1:100

z

y   x
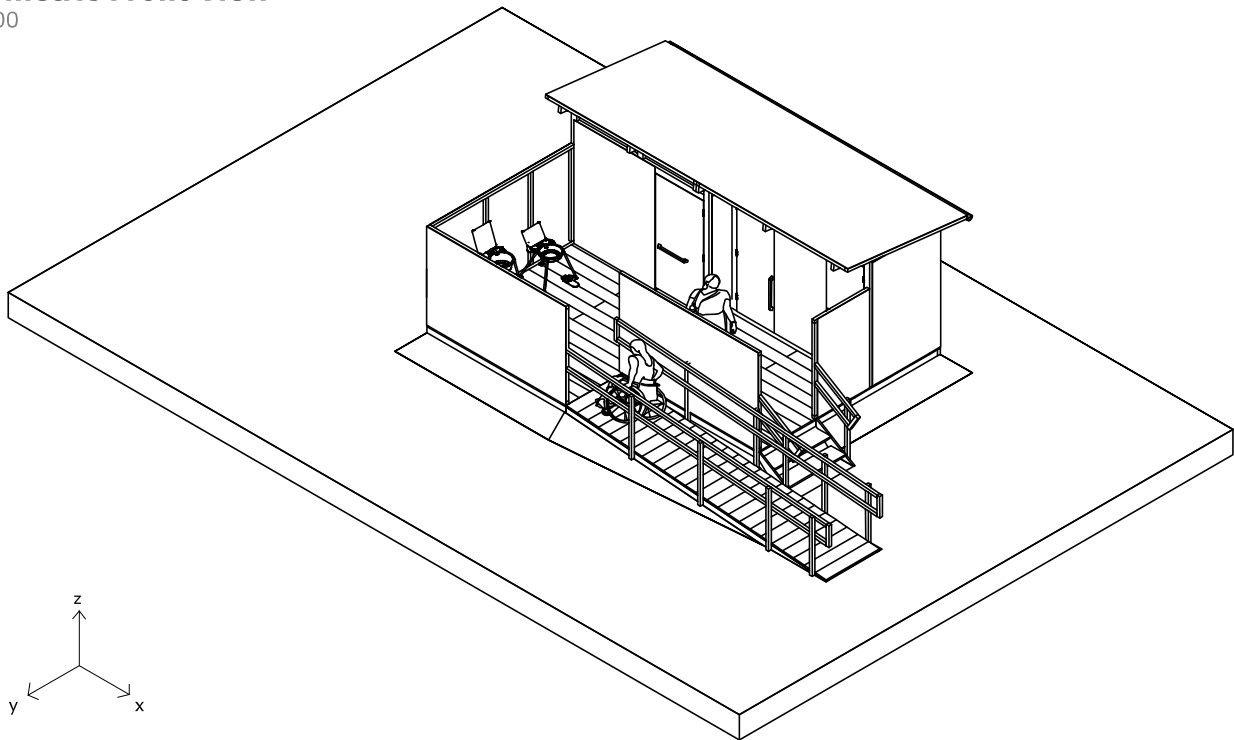
Trench Latrines Block
Isometric views

Print to size A4

MARCH 2022

Isometric Below View
1:100

z
y ← → x
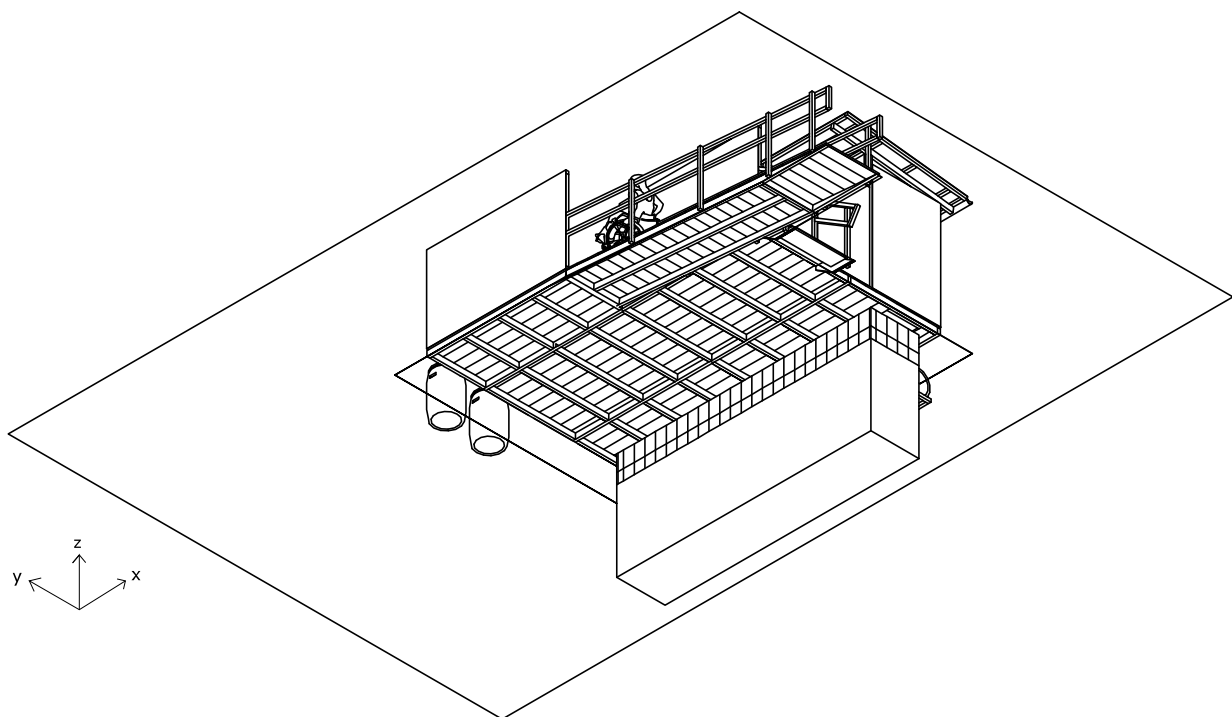
Trench Latrines Block
Isometric views

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MARCH 2022

Panel List
Trench Latrine Block - TL

Panel reference code	Number required
TL_41	1
TL_51	2
TL_52	2
TL_53	1
TL_54	3
TL_55	1
TL_61	1
TL_62	1
TL_63	1
TL_64	1
TL_71	2
TL_72	2
TL_73	1

Plank List
Trench Latrine Block - TL

Plank reference code	Section	Length (mm)	Number required	Reference
TL_P01	50x100	500	120	Trench shuttering
TL_P02	50x100	5000	2	Trench shuttering
TL_P03	50x100	800	2	Trench shuttering
TL_P04	50x100	2575	7	Platform
TL_P05	50x100	1625	18	Platform
TL_P06	50x100	1000	5	Platform
TL_P07	25x200	820	2	Stairs
TL_P08	25x200	1050	2	Stairs
TL_P09	50x100	2000	2	Cubicle frame
TL_P10	50x100	2015	1	Cubicle frame
TL_P11	50x50	1050	10	Ramp
TL_P12	50x50	Refer to ramp elevation		Handrail
TL_P13	50x100	2250	6	Roof

Trench Latrines Block
Lists of panels and planks

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MARCH 2022

Ramp Frames
Timber 50x100mm - 1:50
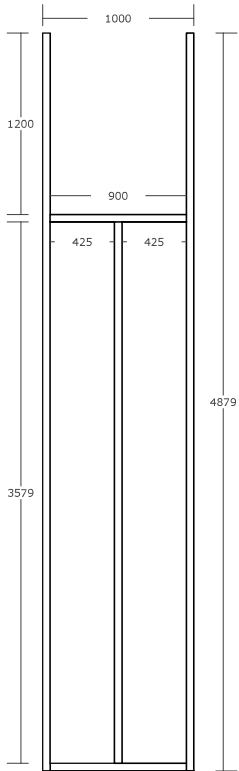
TL_41

Platform Frames
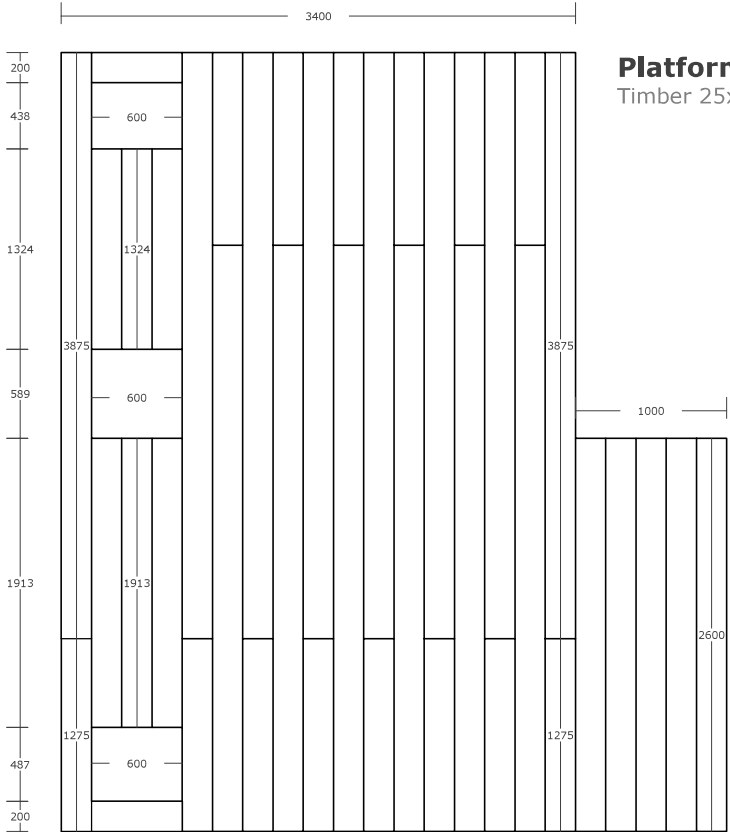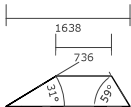Timber 50x100mm - 1:50
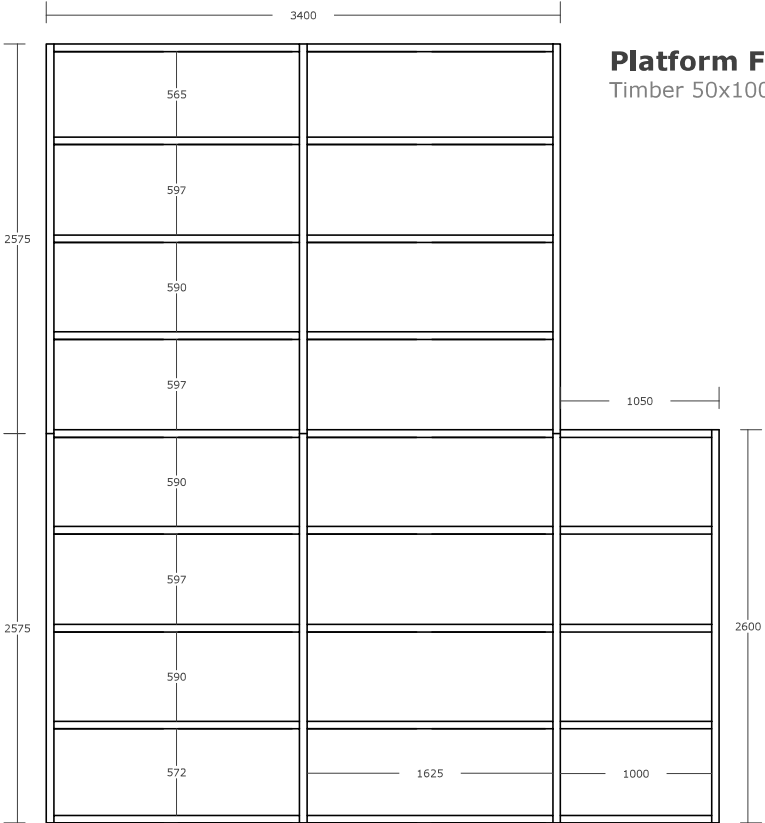
Ramp Floor Boards
Timber 25x200mm - 1:50
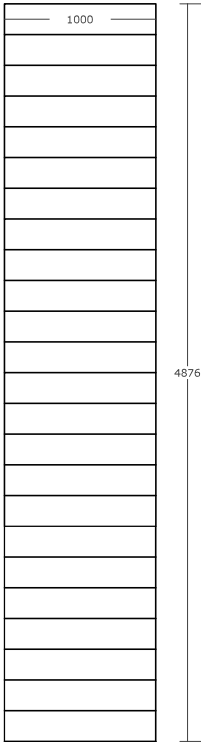
TL_Ramp Floor Boards

Platform Floor Boards
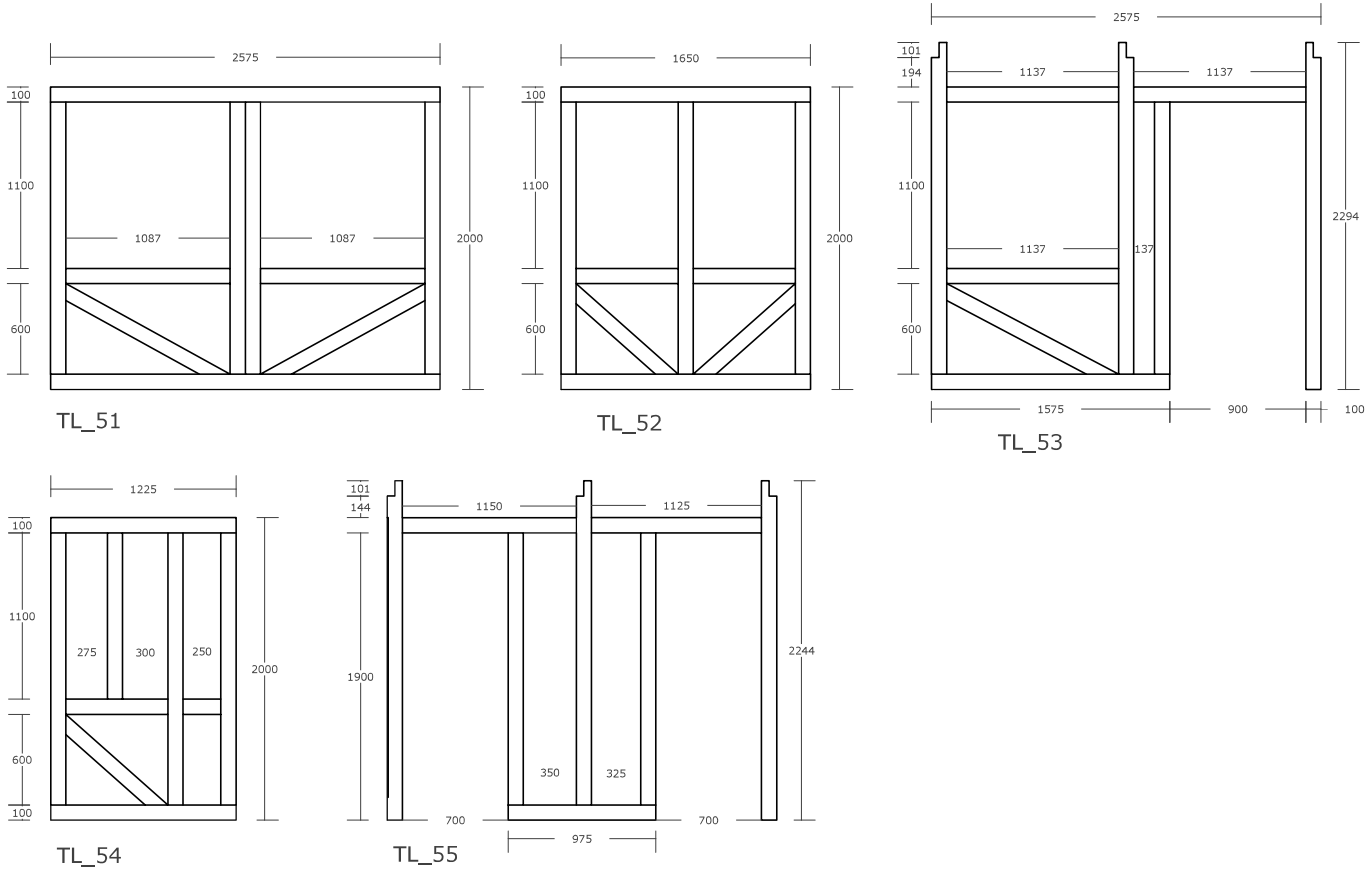Timber 25x200mm - 1:50

TL_Platform Floor Boards

TL_P07

Trench Latrines Block
Details

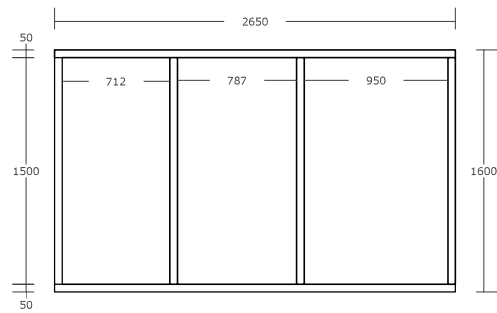Print to size A4

MARCH 2022

Cubicle Panels
Timber 50x100mm - 1:50

TL_51

TL_52

TL_53

TL_54

TL_55

Trench Latrines Block
Details

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Platform Screen Panels
Timber 50x50mm - 1:50

TL_61

2650 | 50 | 712 | 787 | 950 | 1500 | 1600 | 50

TL_62

2599 | 50 | 1213 | 1236 | 1500 | 1600 | 50

TL_63

2600 | 50 | 1237 | 1212 | 1500 | 1600 | 50

TL_64

1025 | 50 | 925 | 1500 | 1600 | 50
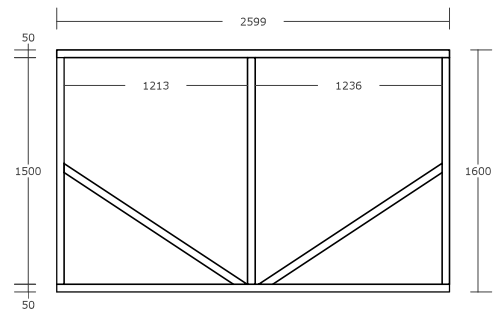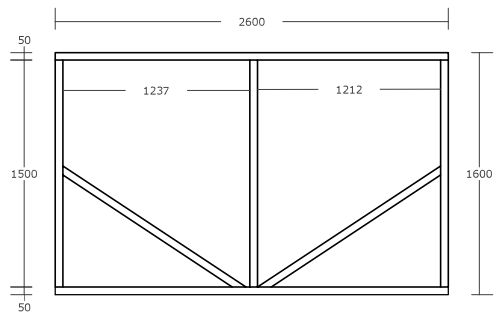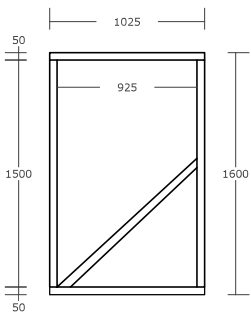
Roof Panels
Timber 50x50mm - 1:50

TL_71

2250 | 50 | 200 | 592 | 592 | 378 | 189 | 2725 | 2825 | 50

Doors
Timber 50x50mm

TL_72

700 | 50 | 1750 | 50 | 1850 | 825 | 50

TL_73

900 | 50 | 1750 | 50 | 1850 | 650 | 50
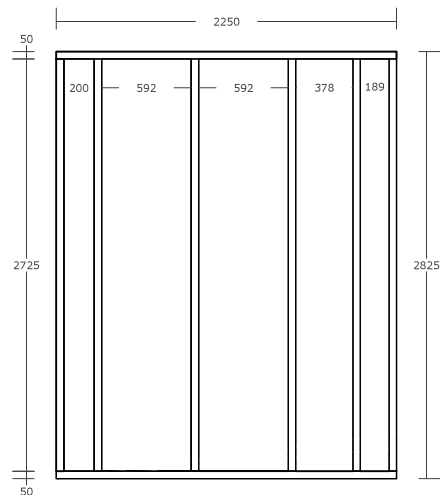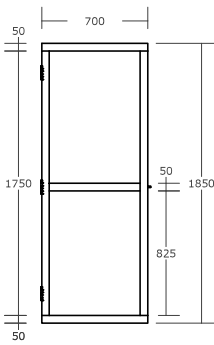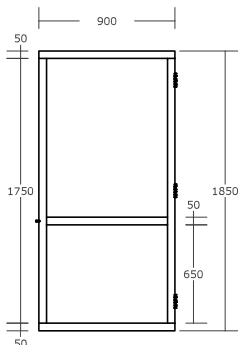
Trench Latrines Block
Details

Step 1:
PLATFORM

- To accommodate the structure and a surround clearance of 1m for construction, a total area of **6.5m x 9m** to be cleared and perfectly levelled.

-Clear area of **7.5m x 9m** if timber propping required. Refer to *Appendix B.1 Component Details*.
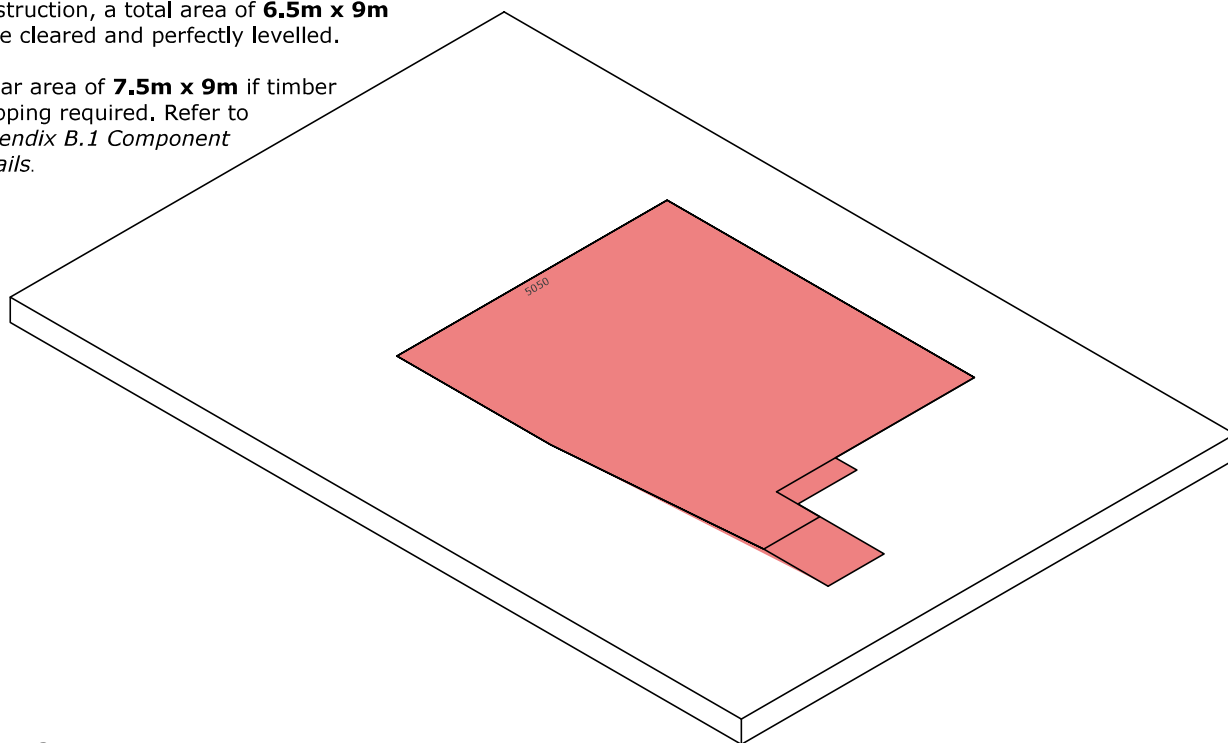
Step 2:
TRENCH

- Dig **2m deep** trench with dimensions of **0.9m wide** and **4.8m long**.
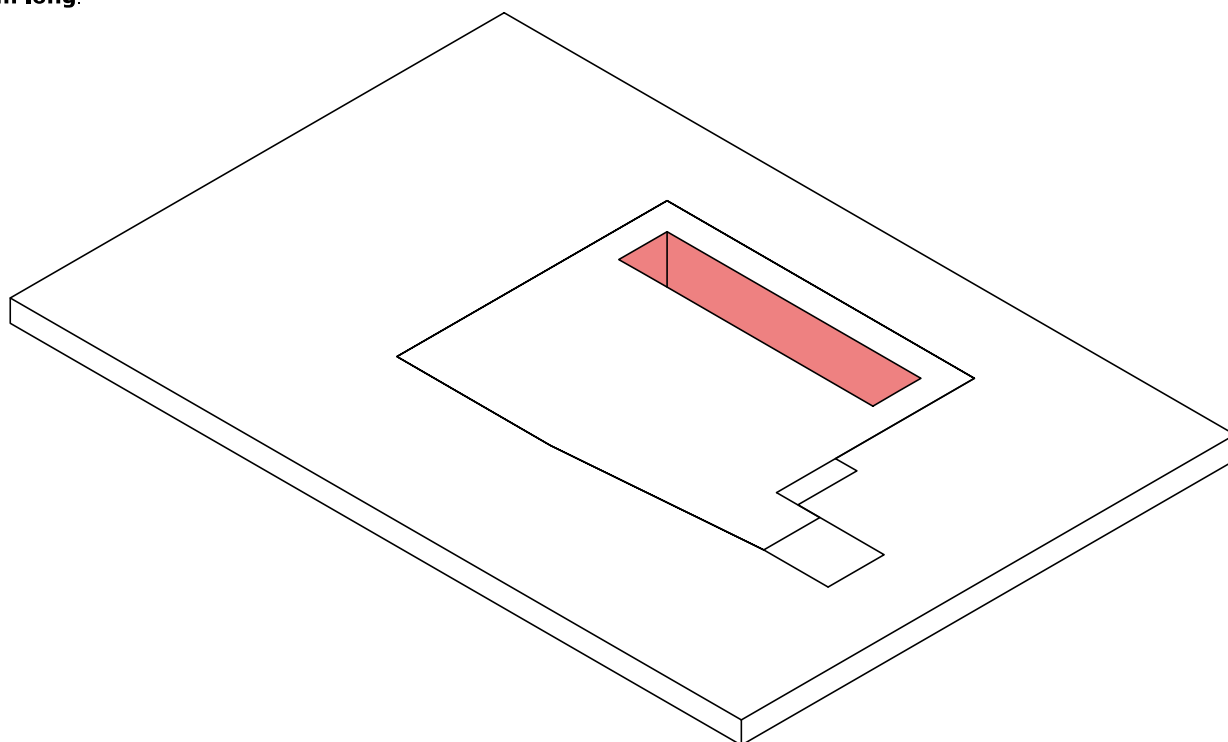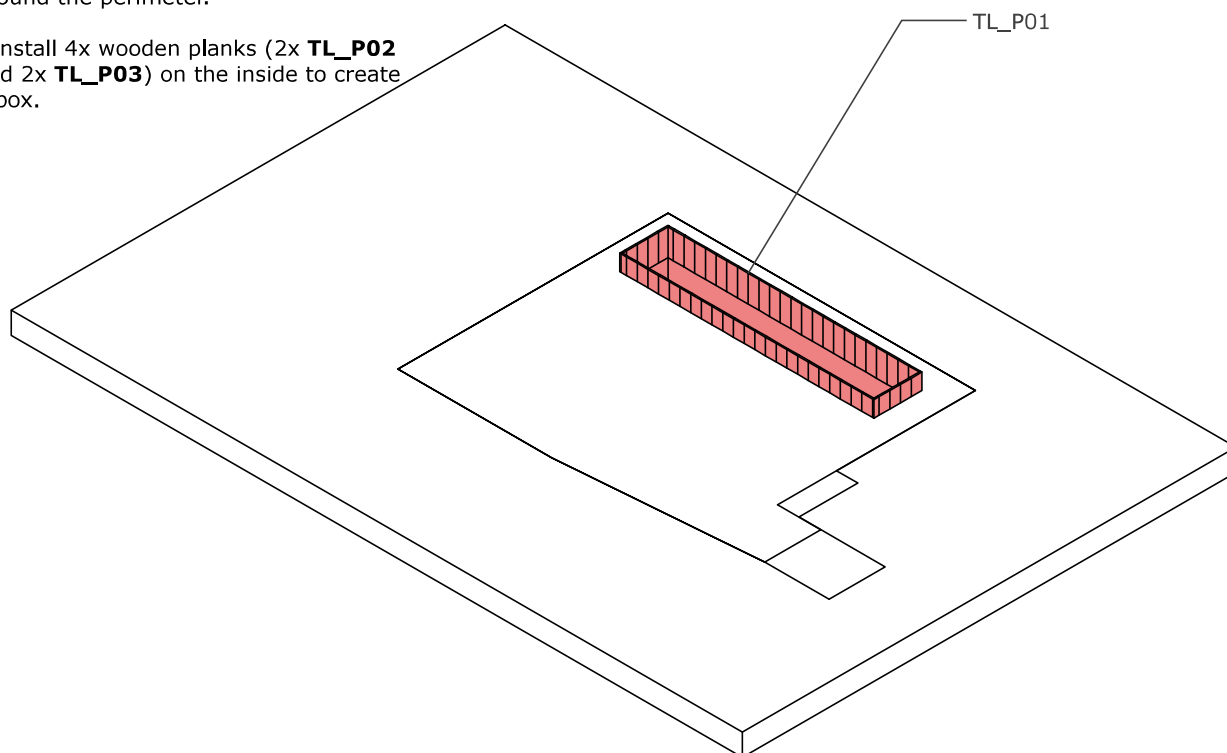
Trench Latrines Block
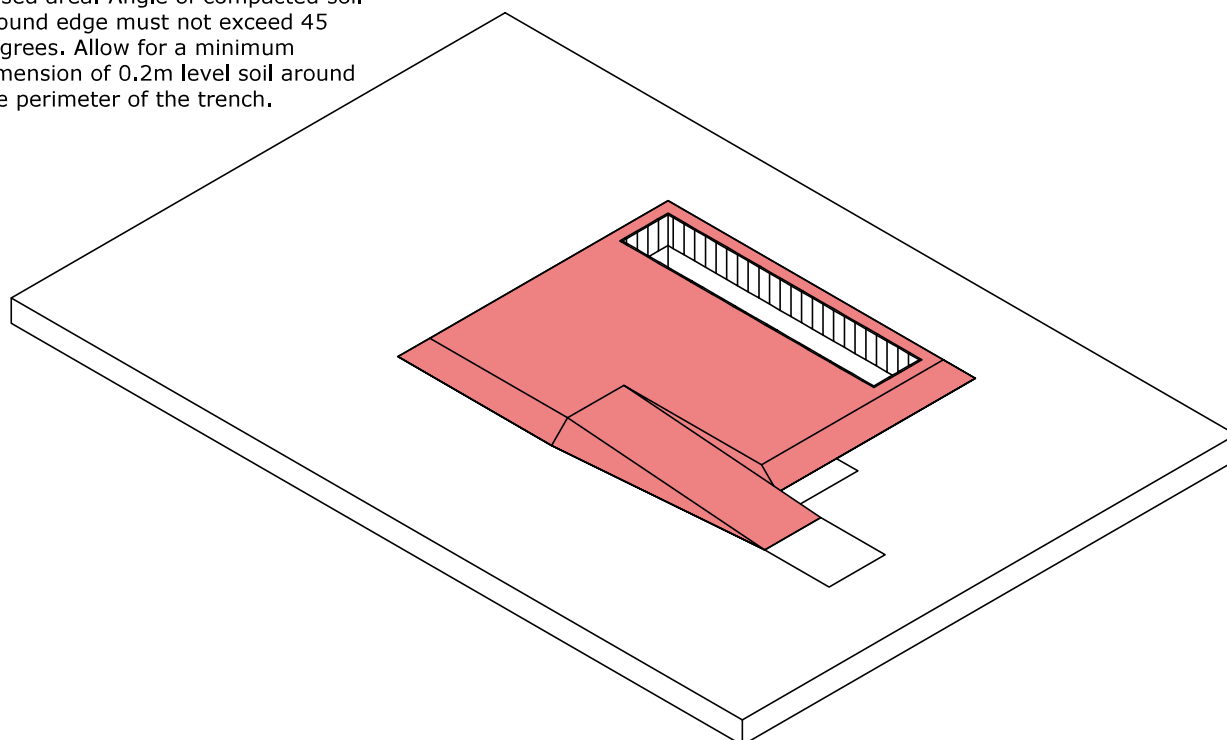Step by step

Print to size A4

MARCH 2022

Step 3:
TRENCH

- Install vertical timber planks (**TL_P01**) around the perimeter.

- Install 4x wooden planks (2x **TL_P02** and 2x **TL_P03**) on the inside to create a box.

TL_P01

Step 4:
PLATFORM

- Install a **0.3m build up** of soil for a **4.45m x 5.15m** compacted and level raised area. Angle of compacted soil around edge must not exceed 45 degrees. Allow for a minimum dimension of 0.2m level soil around the perimeter of the trench.
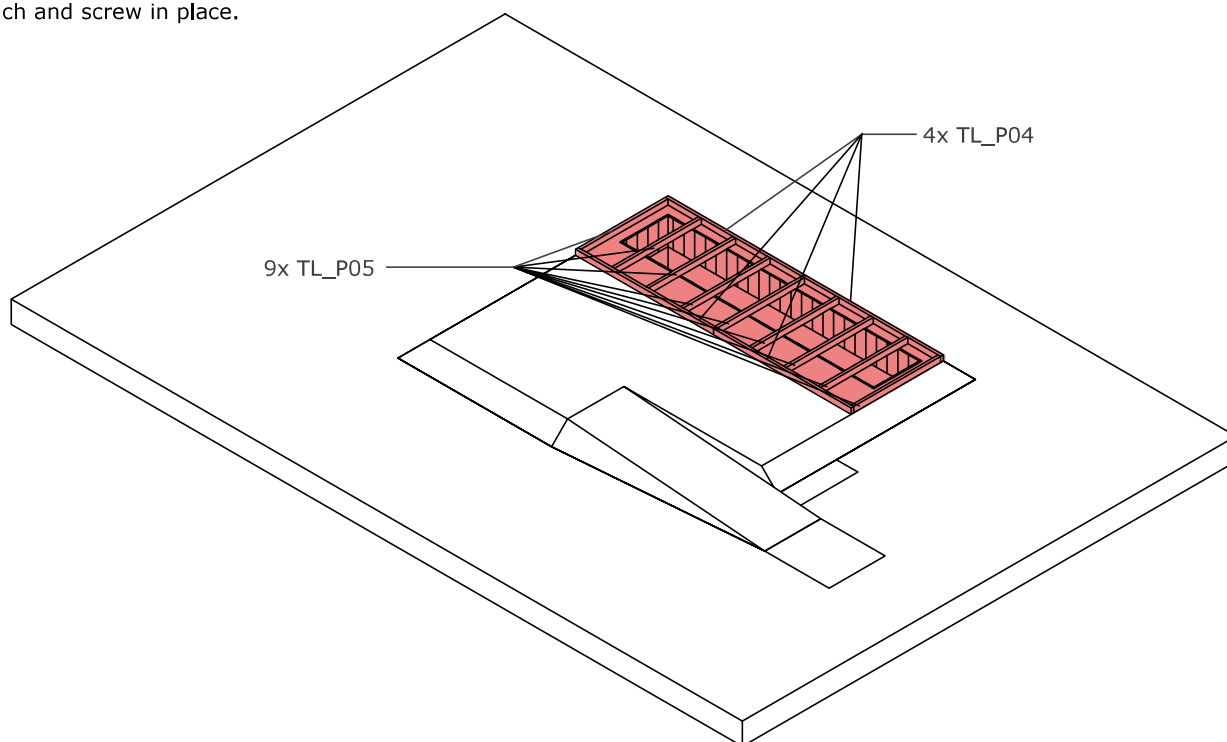
Trench Latrines Block
Step by step

Print to size A4

Step 5:
PLATFORM

- Install ground planks 4x
TL_P04 and 9x **TL_P05** over
trench and screw in place.

4x TL_P04

9x TL_P05

Step 6:
PLATFORM

- Install remainder of ground
planks (9x **TL_P05**, 3x **TL_P04**
and 5x **TL_P06**) with wooden
screws.

9x TL_P05

5x TL_P06

3x TL_P04
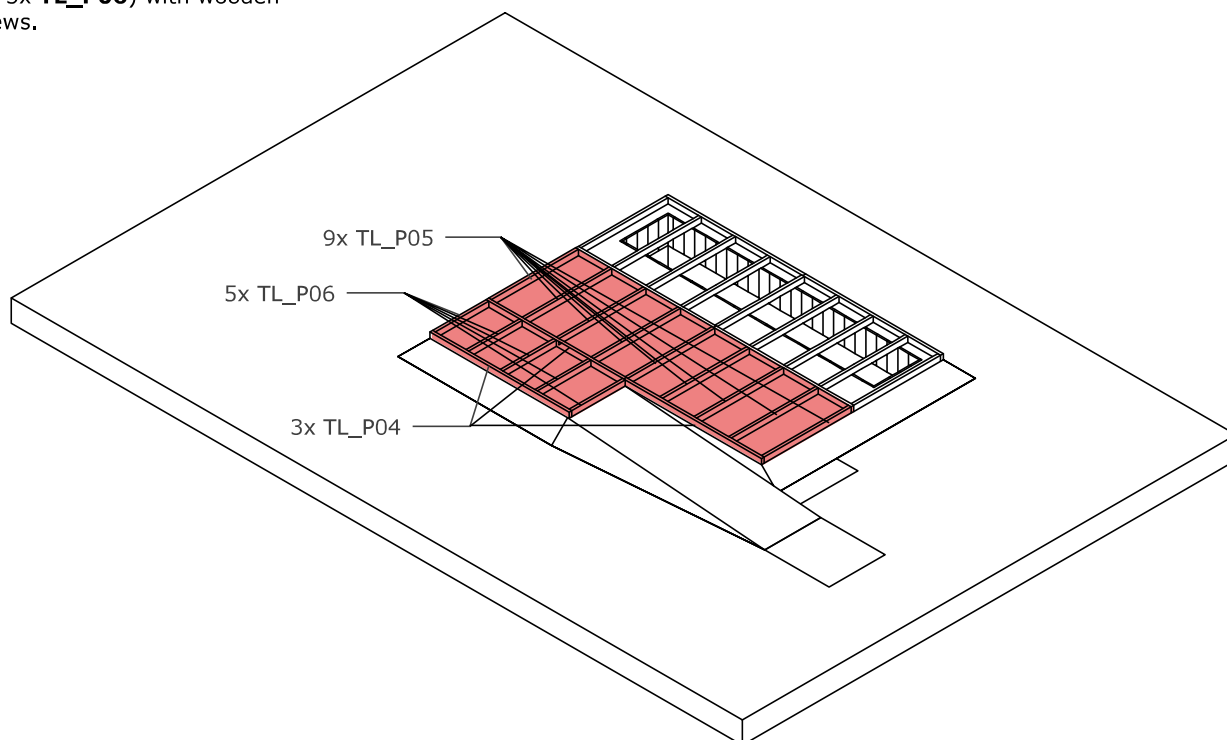
Trench Latrines Block
Step by step

Print to size A4

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Step 7:
RAMP & STAIRS

- Install panel **TL_41** for the ramp and bolt into place.

- Install 2x **TL_P07** for the side planks for the stairs with wooden screws.

2x TL_P07

TL_41
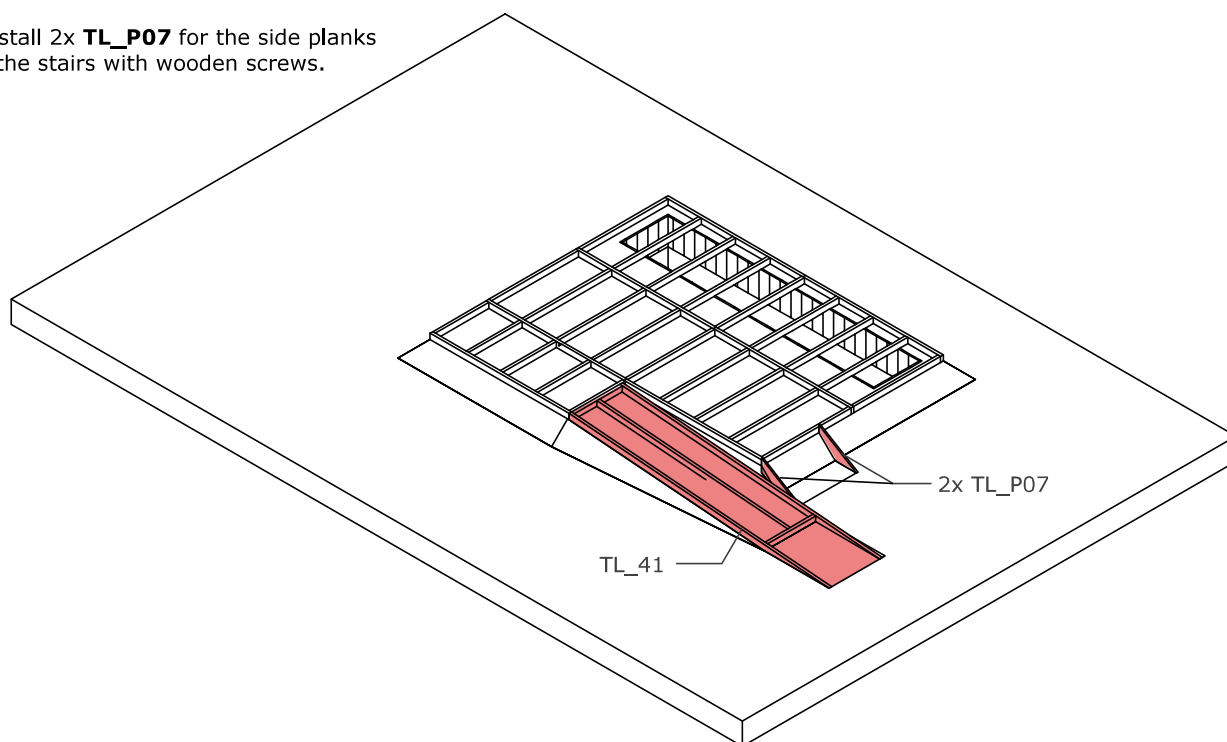
Step 8:
TIMBER DECKING

- Install **timber decking planks** across all of the ramp and the raised platform with nails leaving gaps for latrine holes.

- Install 2x **TL_P08** wooden planks for the stairs with wooden screws.

Timber decking

2x TL_P08
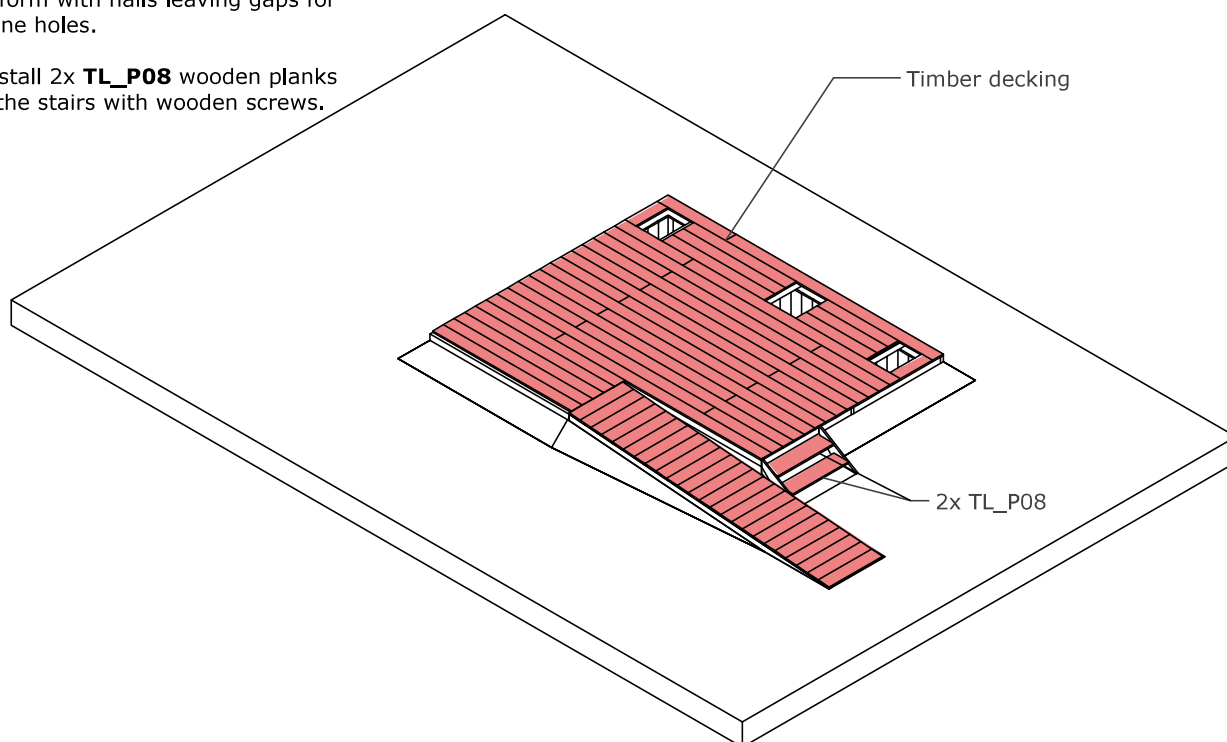
Trench Latrines Block
Step by step

Print to size A4

MARCH 2022

Step 9:
LATRINE SLABS

- Place 3x **latrine slabs** in each location and bolt into place with fixing bolts provided.
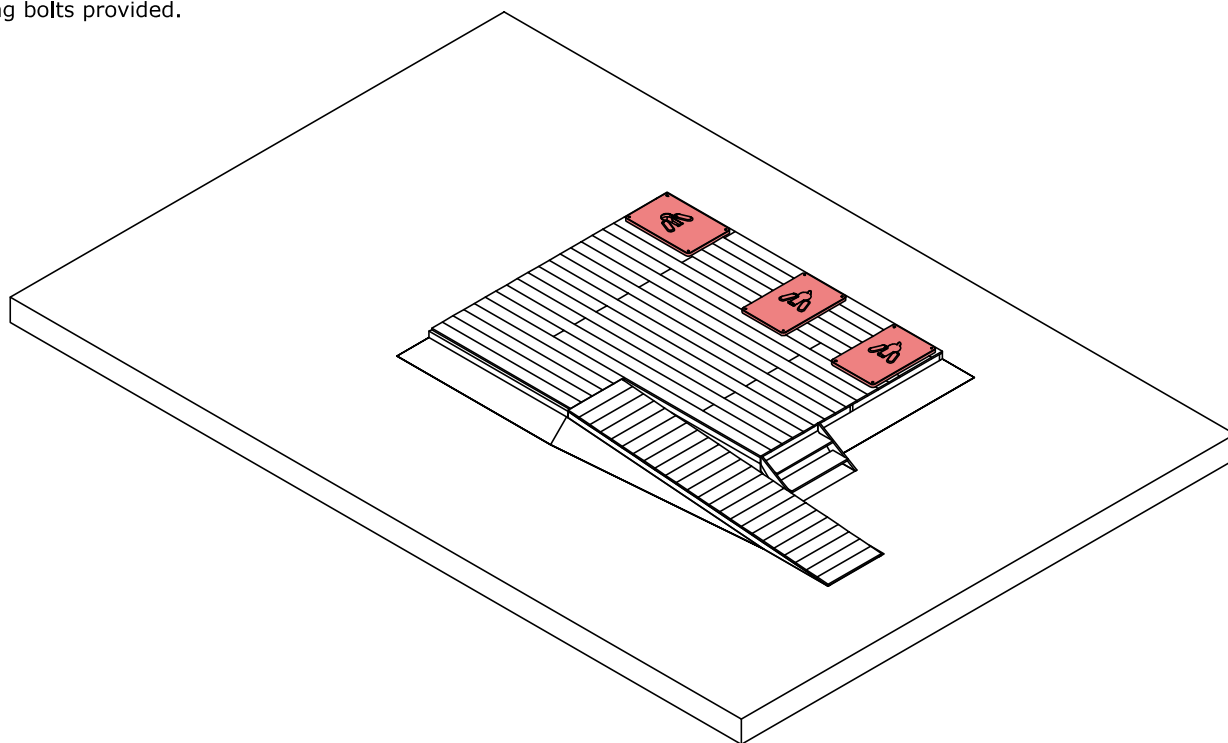
Step 10:
CUBICLE PANELS

- Install **cubicle panels** (2x **TL_51**, 2x **TL_52**, 1x **TL_53**, 3x **TL_54**, and 1x **TL_55**) as reference tags indicate starting at the rear of the platform and working forwards. Bolt panels together.

2x TL_52

2x TL_51

3x TL_54

TL_53

TL_55
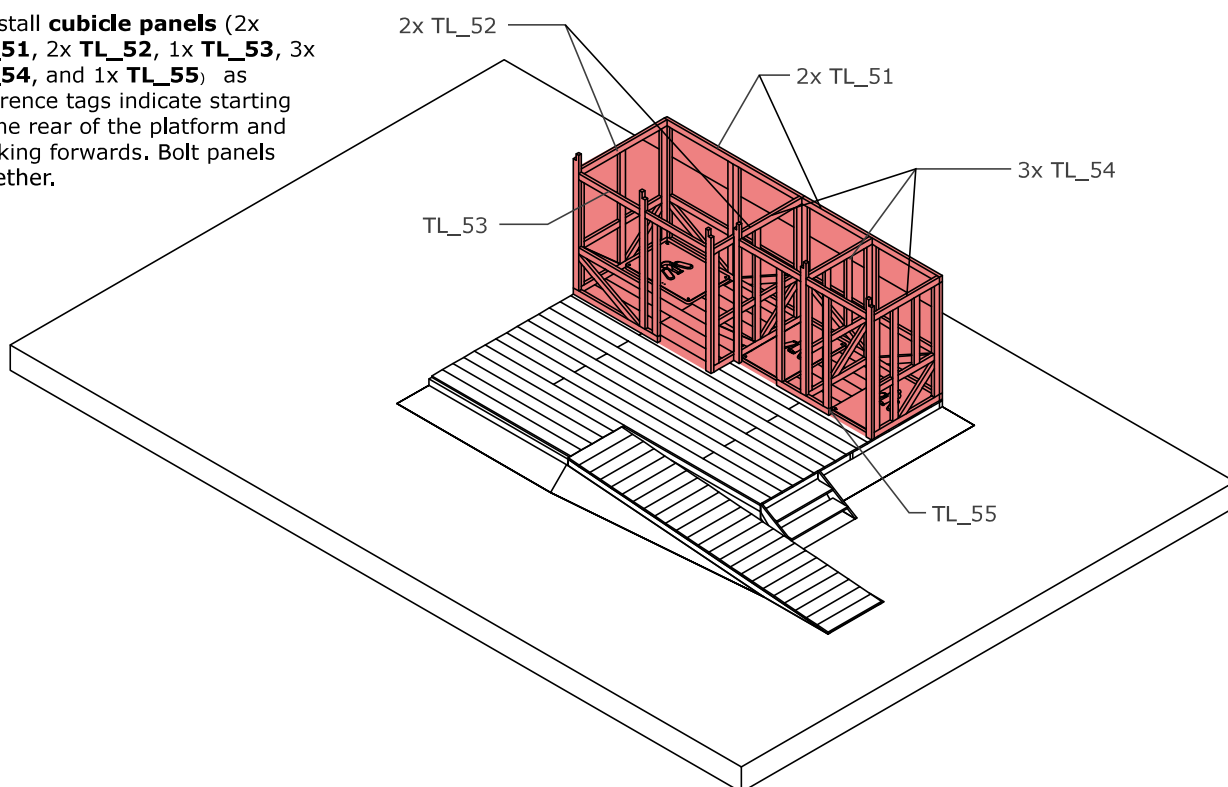
Trench Latrines Block
Step by step

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MARCH 2022

Step 11:
CUBICLE PANELS

- Install planks 2x **TL_P09** to the back face of the Bathing Block and 1x **TL_P10** on the inside of the largest cubicle as shown. Fix with wood screws.

TL_P09

TL_P10

TL_P09
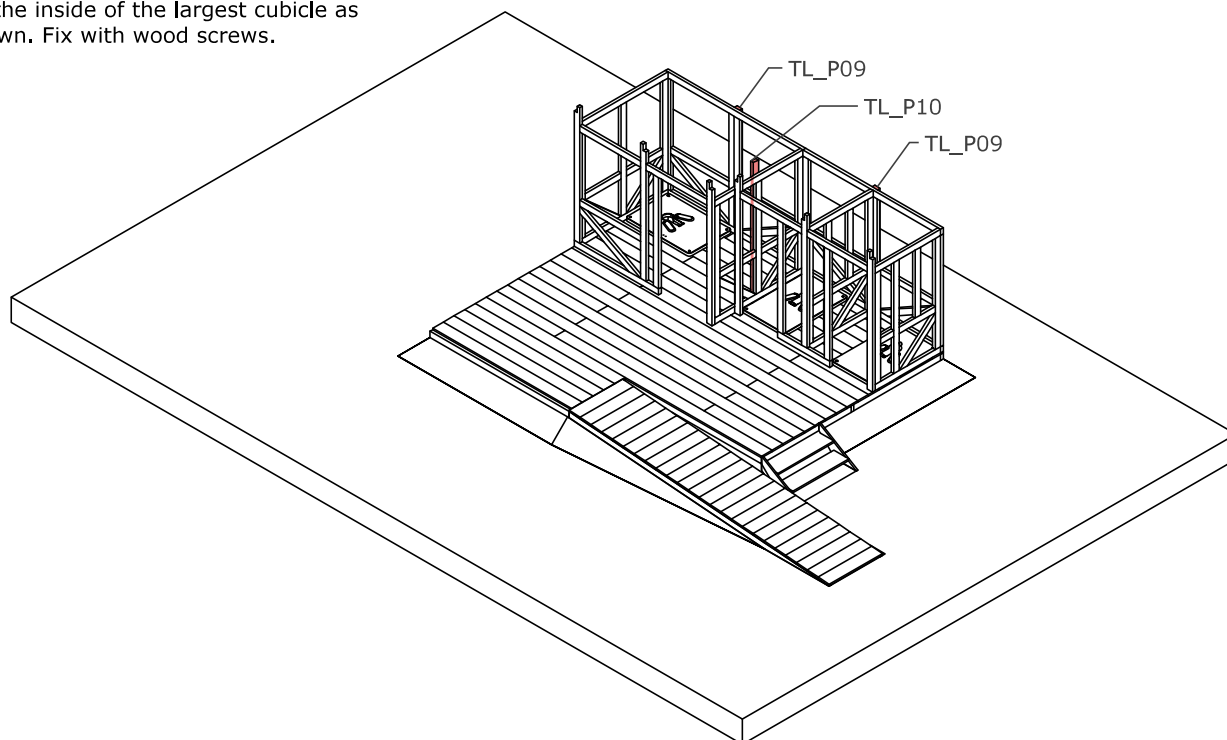
Step 12:
SCREEN PANELS

- Install referenced **screen panels** (1x **TL_61**, 1x **TL_62**, 1x **TL_63** and 1x **TL_64**) around the perimeter of the raised platform as shown. Bolt panels together.

TL_61

TL_62

TL_63

TL_64
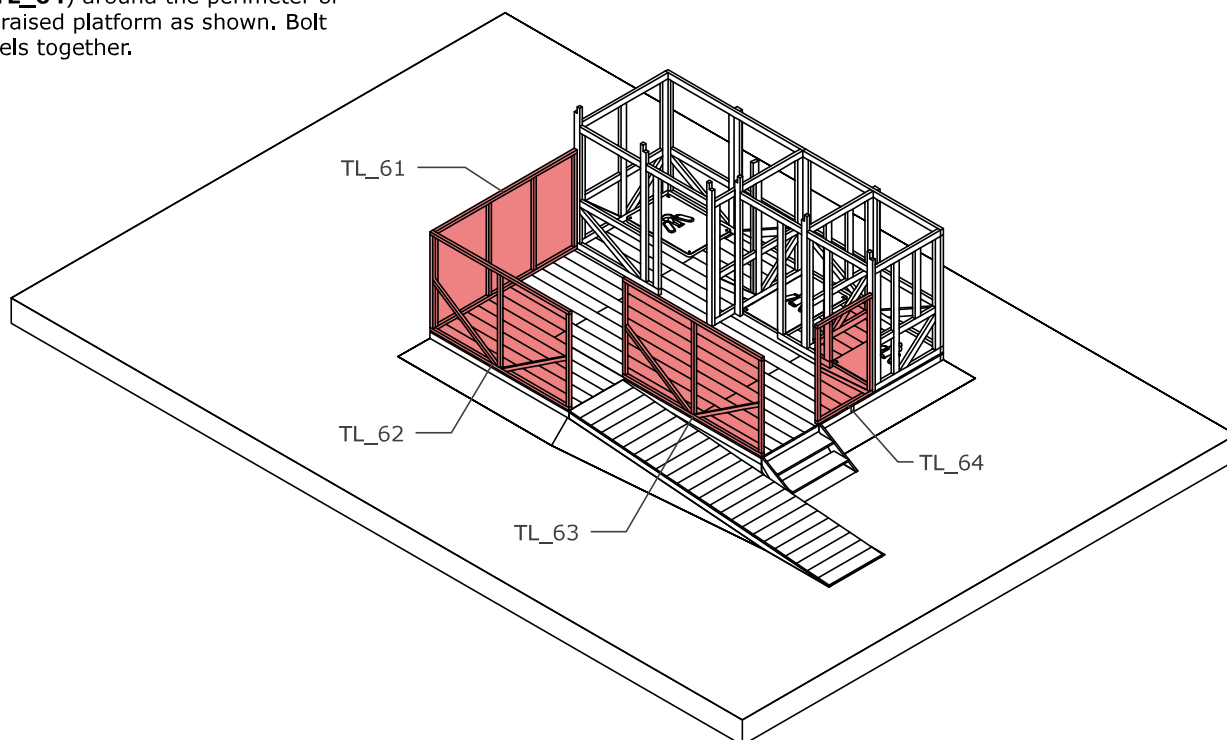
Trench Latrines Block
Step by step

Print to size A4

MARCH 2022

Step 13:
RAILINGS

- Install 10x **TL_P11** vertical handrail posts as shown.

- Install handrail (**TL_P12**) around perimeter of the ramp and the stairs at 600 and 900mm heights from walking surface. Fix with wood screws.

TL_P12

10x PL_11
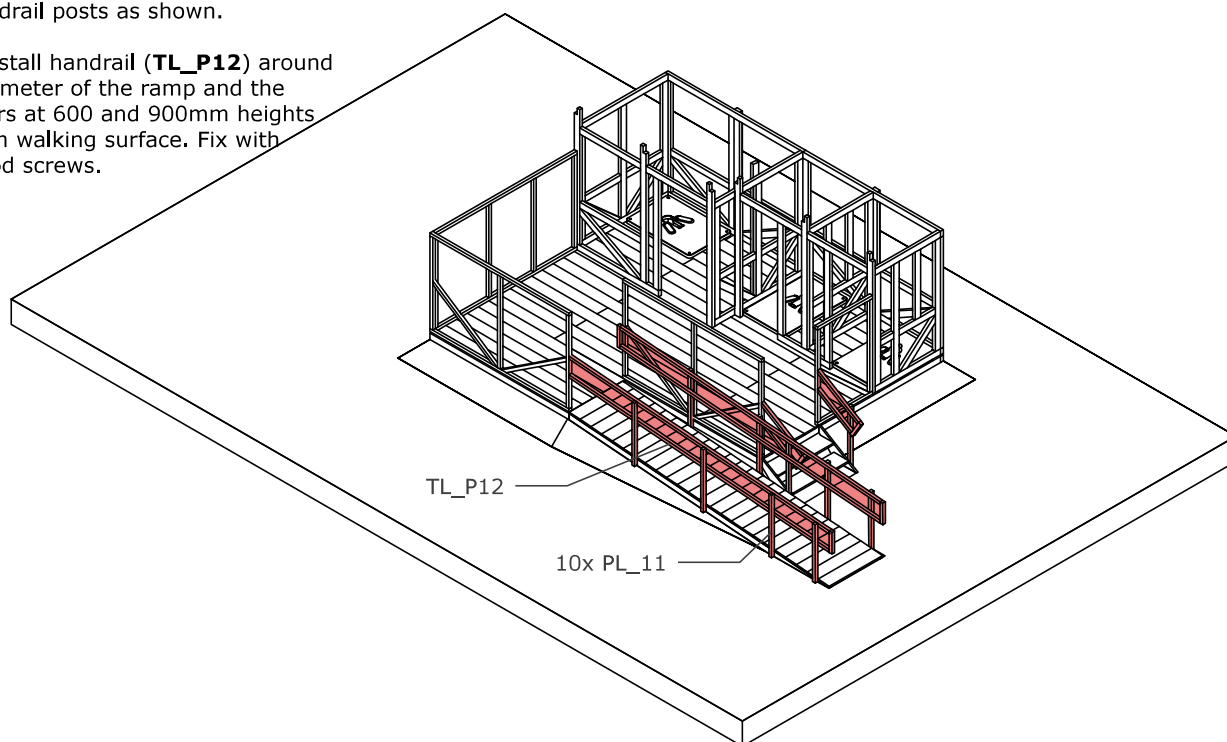
Step 14:
ROOF

- Install 6x horizontal timber **TL_P13** roof supports on top of the cubicles and screw in place.

6x TL_P13
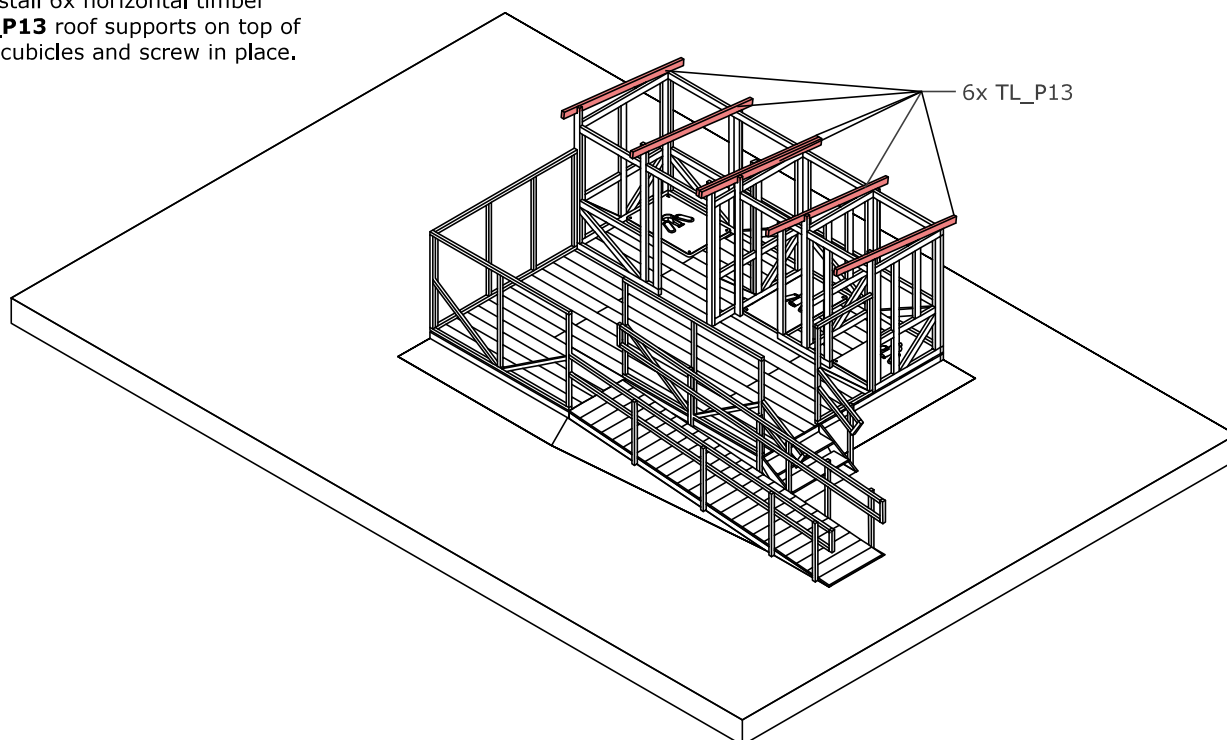
Trench Latrines Block
Step by step

Print to size A4

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Step 15:
ROOF

- Install 2x **TL_71** roof panels to top of the cubicles bolting together.

2x TL_71
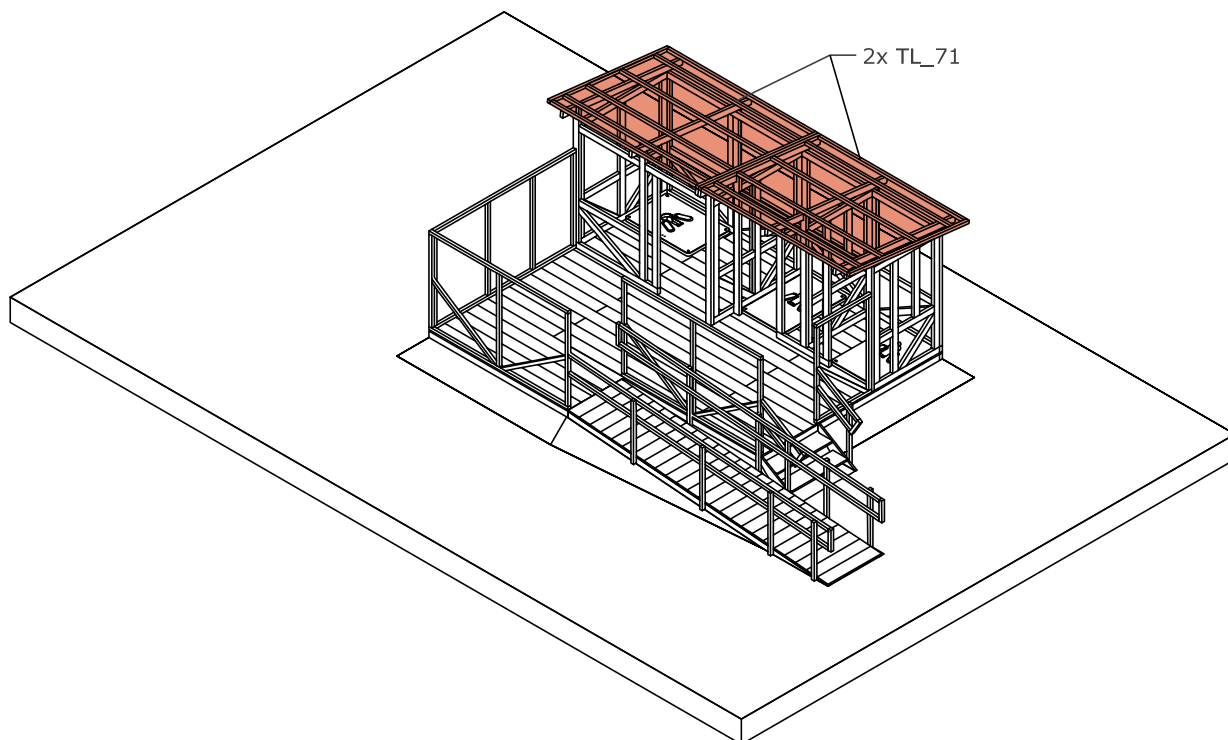
Step 16:
PLASTIC SHEETING

- Install cubicle doors x2 **TL_72** and 1x **TL_73**

- Install **plastic sheeting** with domed head nails around cubicles, screens and roof panels.

- Install equipment as detailed in cubicle plans.
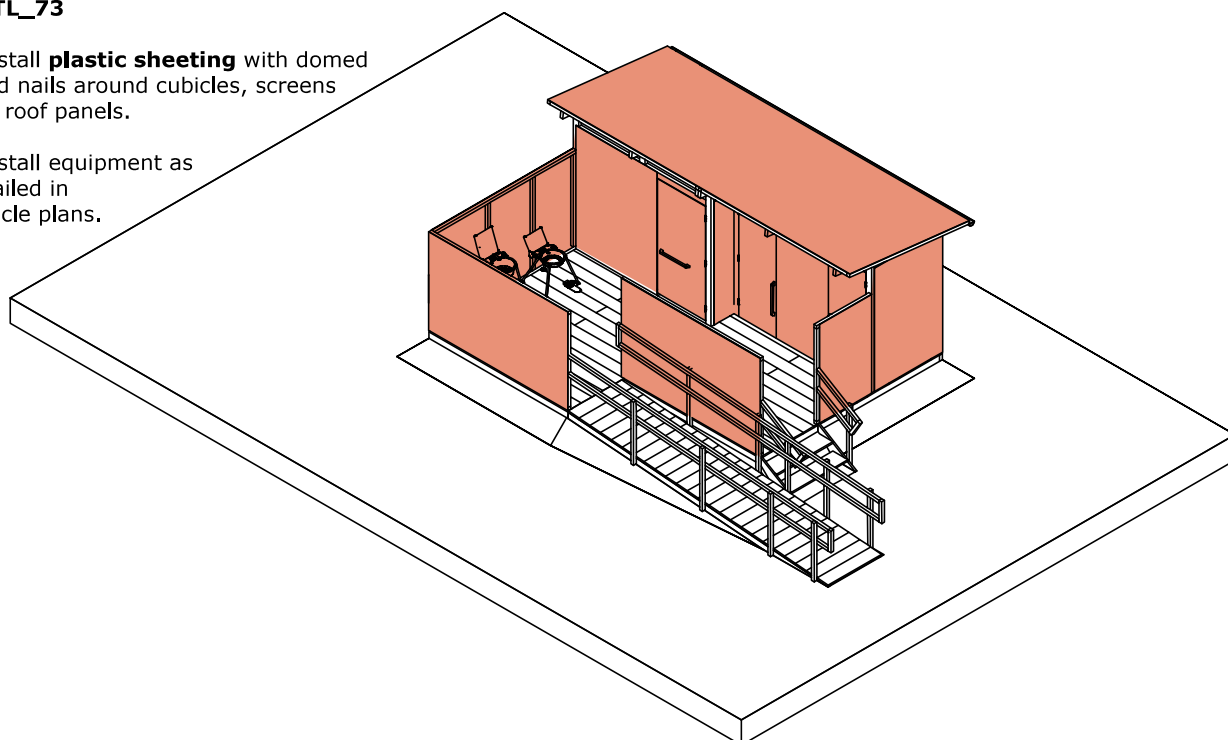
Trench Latrines Block
Step by step

Print to size A4

MARCH 2022

General Plan
1:50
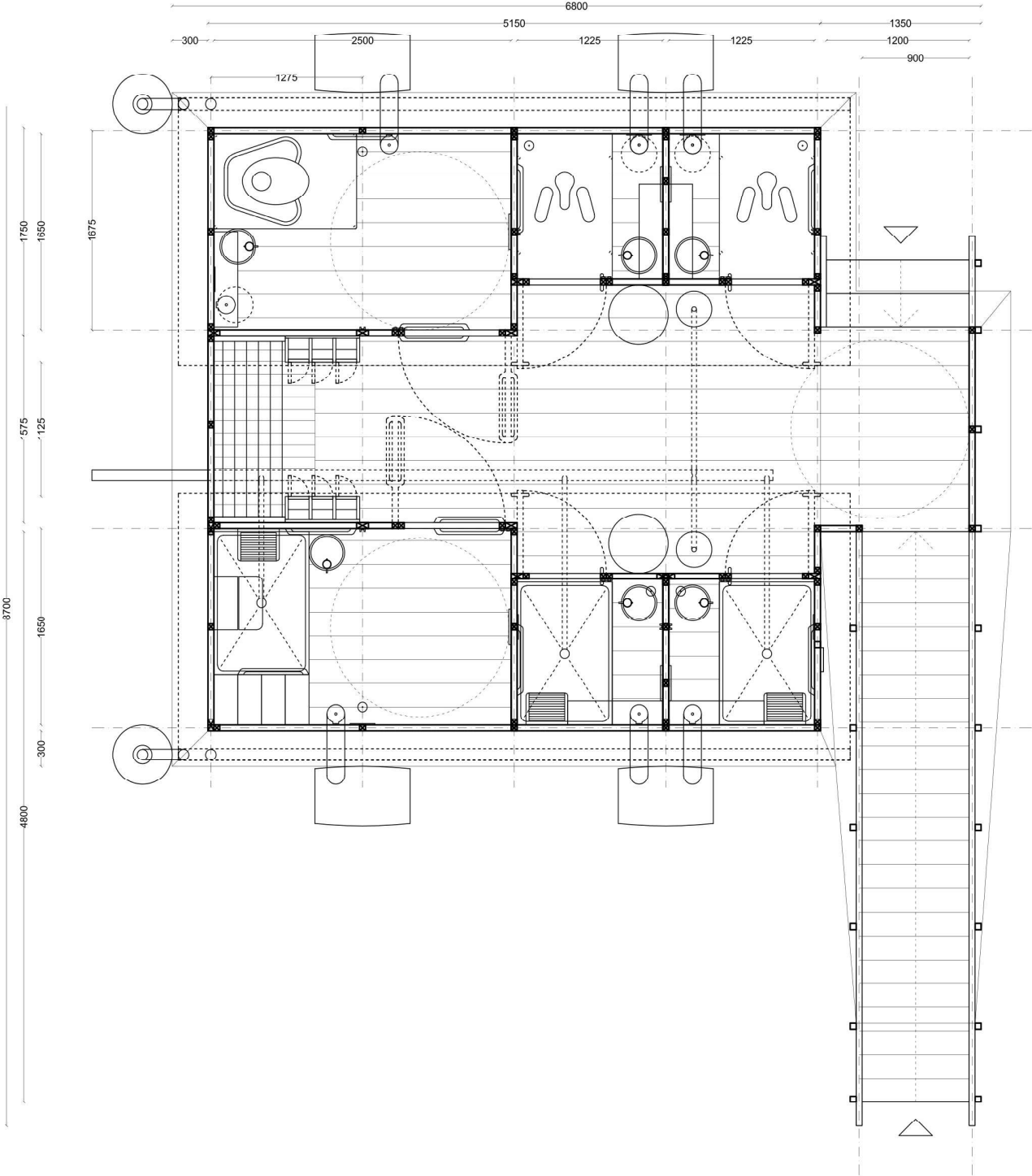
Trench Latrine & Bathing Block
Plans

Print to size A4

WASH Components and Accesories:
1:20
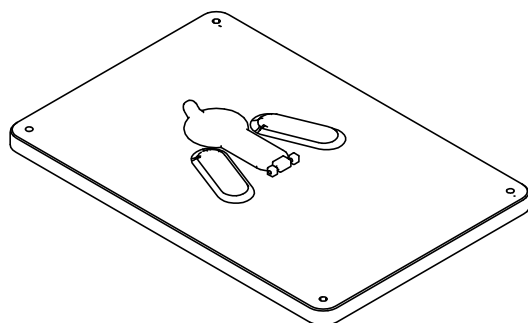
Self-Supporting Plastic Latrine Slab
1200x 800mm
Evenplate product
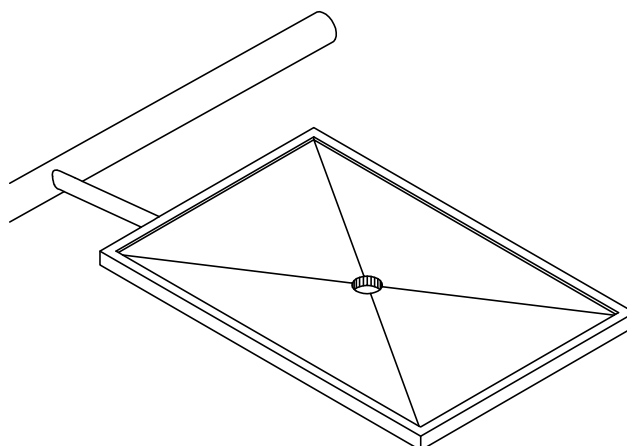
Butyloo Shower Plate
1200x 800mm
Butyl

Shower Seat

Washing Board
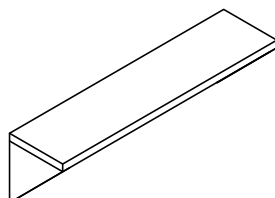Stainless steel and wood frame
350x240 mm
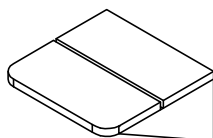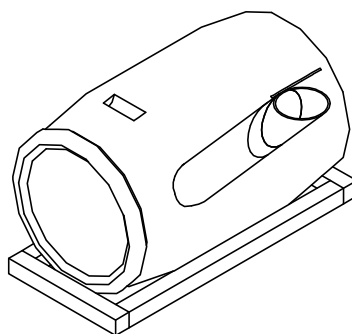
Disposal System
for Trench Latrine and Bathing Blocks
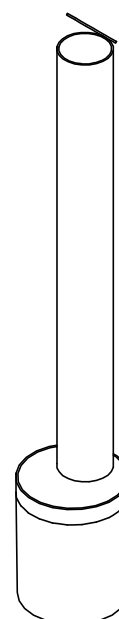
Disposal System
for Raised Latrine

Shelf
800x200 mm
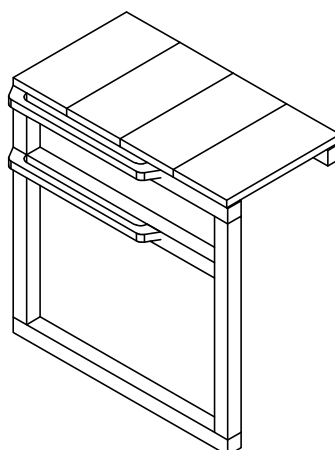
Shelf
For Accesible Bathing cubicles
800x200 mm

Wooden Grab Rails
and Door Handles
500x50x20mm

Details
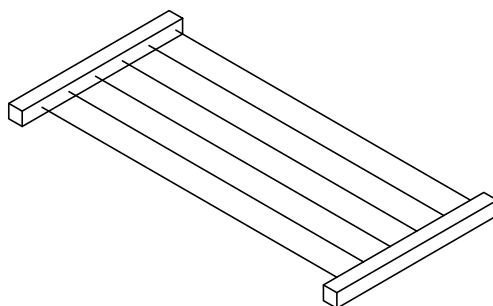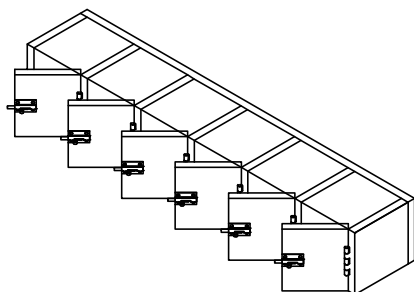WASH Components and Accesories
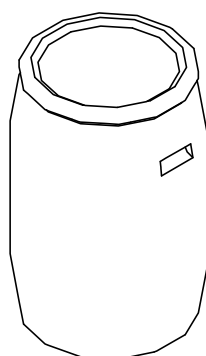
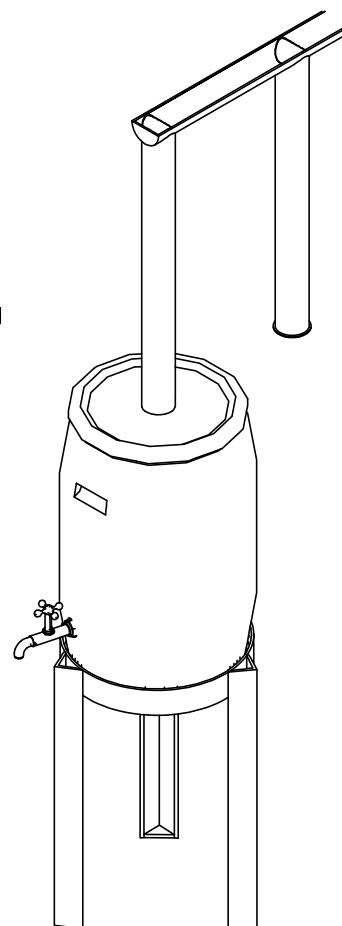Print to size A4

MARCH 2022
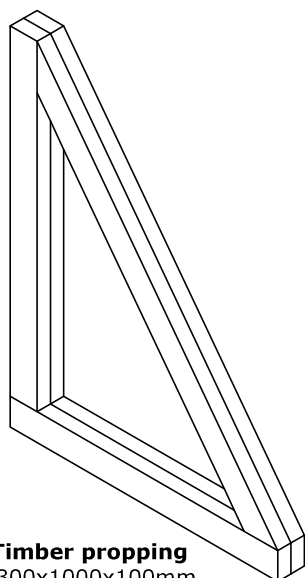
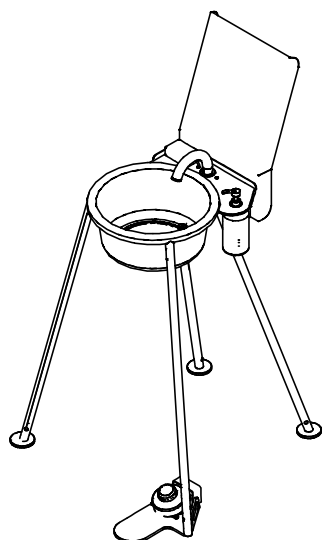**Timber propping**
1300x1000x100mm

Drying ropes
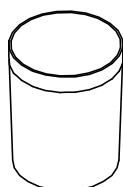6x 1130mm ropes

Drying Lockers
200x225x1225mm

60L Water Tank
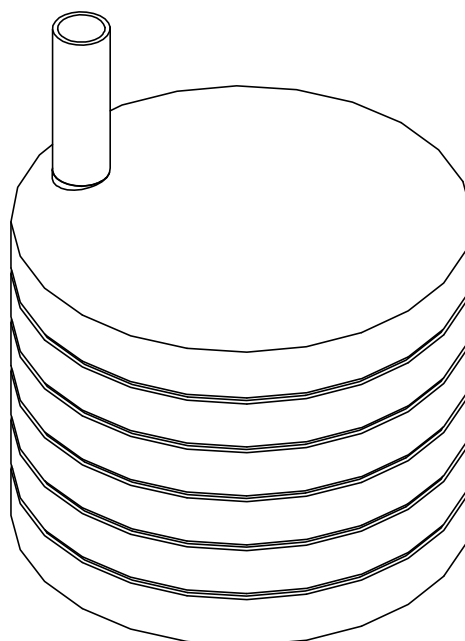500x800mm

Rain Water Harvest Tank
60L Tank
90mm PVC pipes

Jengu Handwashing Unit

20L Bucket
300x350mm

Hanging Bell

1000L Tank
1100x1200mm

Details
WASH Components and Accesories

Print to size A4

MARCH 2022