

Schedule of Requirements
METAL FENCING SPECIFICATIONS

Works Description

- 1.0 Grade adjustment at the site border**
- 2.0 Constructing Metal Foundation Structure**
- 3.0 Constructing Metal Fence**
- 4.0 Constructing Metal Gate**

1.0 Grade Adjustment at the Site Border

Contractor should take existing levels at the site border where the fences will be installed. Proposed levels appropriate for installation of fences should be submitted to the ENGINEER for approval.

- a- Grade adjustment works will be carried out according to the approved levels
- b- No heavy machinery is allowed during grade adjustment works

2.0 Constructing Metal Foundation Structure

Metal foundation structure will be constructed under the metal fences with a dimension of 50.5x61 cm. The metal foundation will be constructed according to the DETAIL A.

- a- "L" Shape metal profiles with a dimension of 50x50x3mm will be used to construct frame of the foundation
- b- Flat plates 20x2 mm will be used to connect "L" shape frames
- c- Double 50x50x3mm SHS profiles with a height of 25cm will be installed on a metal flange at the centre point of the structure, to provide housing for the metal fence. The dimension of the metal flange will be 120x70x2 mm.
- d- Metal flange with SHS profiles will be welded on the mid part of the metal frame.
- e- 2 No precast concrete kerb with a dimension of 15x30x50 cm will be provided and fixed on the constructed metal structure as per DETAIL A.
- f- All metal parts will be treated with 1 coat of anti-rust and painted with 2 coats of ferro-mica type of paint Parammatti or equivalent.
- g- Colour to be approved by UNDP.
- h- Samples of the metal sections shall be given for approval of UNDP.

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3.0 Constructing Metal Fence

Metal Fence will be constructed according to the DETAIL B.

- a- A frame will be constructed with 40x40x2mm SHS profiles.
- b- 50x50x5mm Metal Mesh will be installed in the frame.
- c- Constructed metal frame will be inserted in the metal foundation structure.
- d- Lateral supports will be installed at every 4 meters according to the DETAIL C.
- e- All metal parts will be treated with 1 coat of anti-rust and painted with 2 coats of ferro-mica type of paint Parammatti or equivalent.
- f- Colour to be approved by UNDP.
- g- Samples of the metal sections shall be given for approval of UNDP.

Note: Dimensions (length of fences) on the Detail A are indicative. Contractor should submit a shop drawing with real dimensions for approval.

4.0 Constructing Metal Gate

Metal Gate will be constructed according to the DETAIL D.

- a- A frame will be constructed with 40x40x2mm SHS profiles.
- b- 50x50x5mm Metal Mesh will be installed in the frame.
- c- Metal flange must be used with a dimension of 80x40x2mm to stabilize the metal gate frame to the main fence structure.
- d- Constructed metal gate will be fixed on 40x40x2mm SHS post with hinges.
- e- Metal gate must be provided with a deadlock as per drawings.
- f- All metal parts will be treated with 1 coat of anti-rust and painted with 2 coats of ferro-mica type of paint Parammatti or equivalent.
- g- Colour to be approved by UNDP.
- h- Samples of the metal sections shall be given for approval of UNDP.

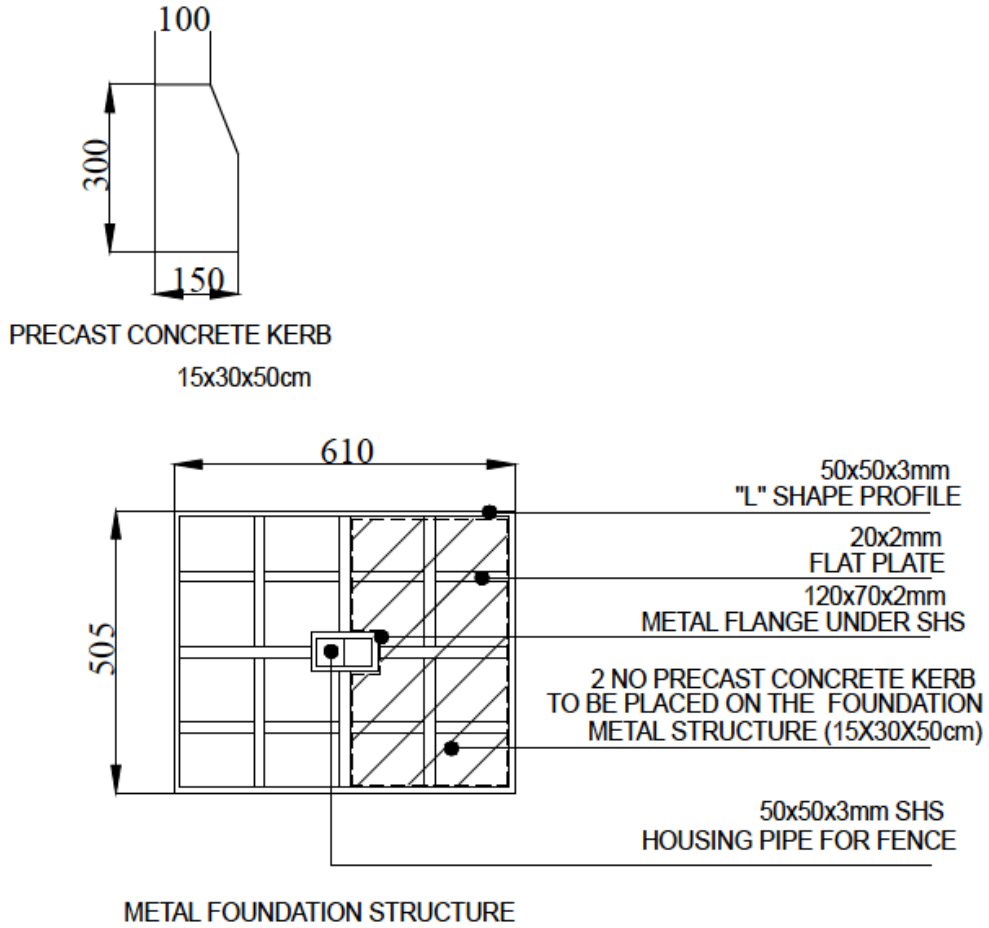
Note: The contractor should submit the shop drawings for approval of the Engineer before proceeding the work on site.

The works will be monitored by the contractor's civil engineer during the implementation.

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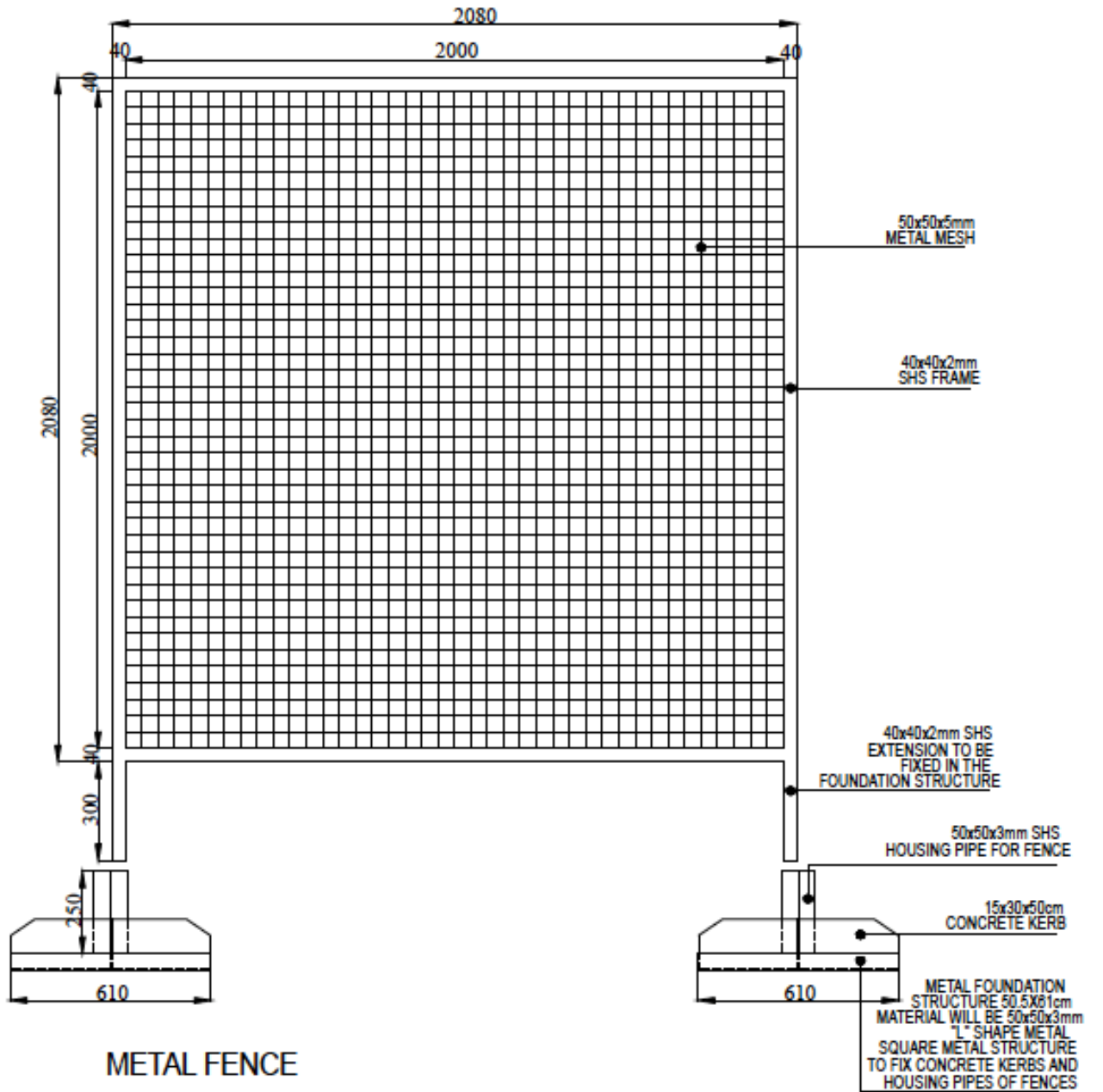
DETAILS

DETAIL A



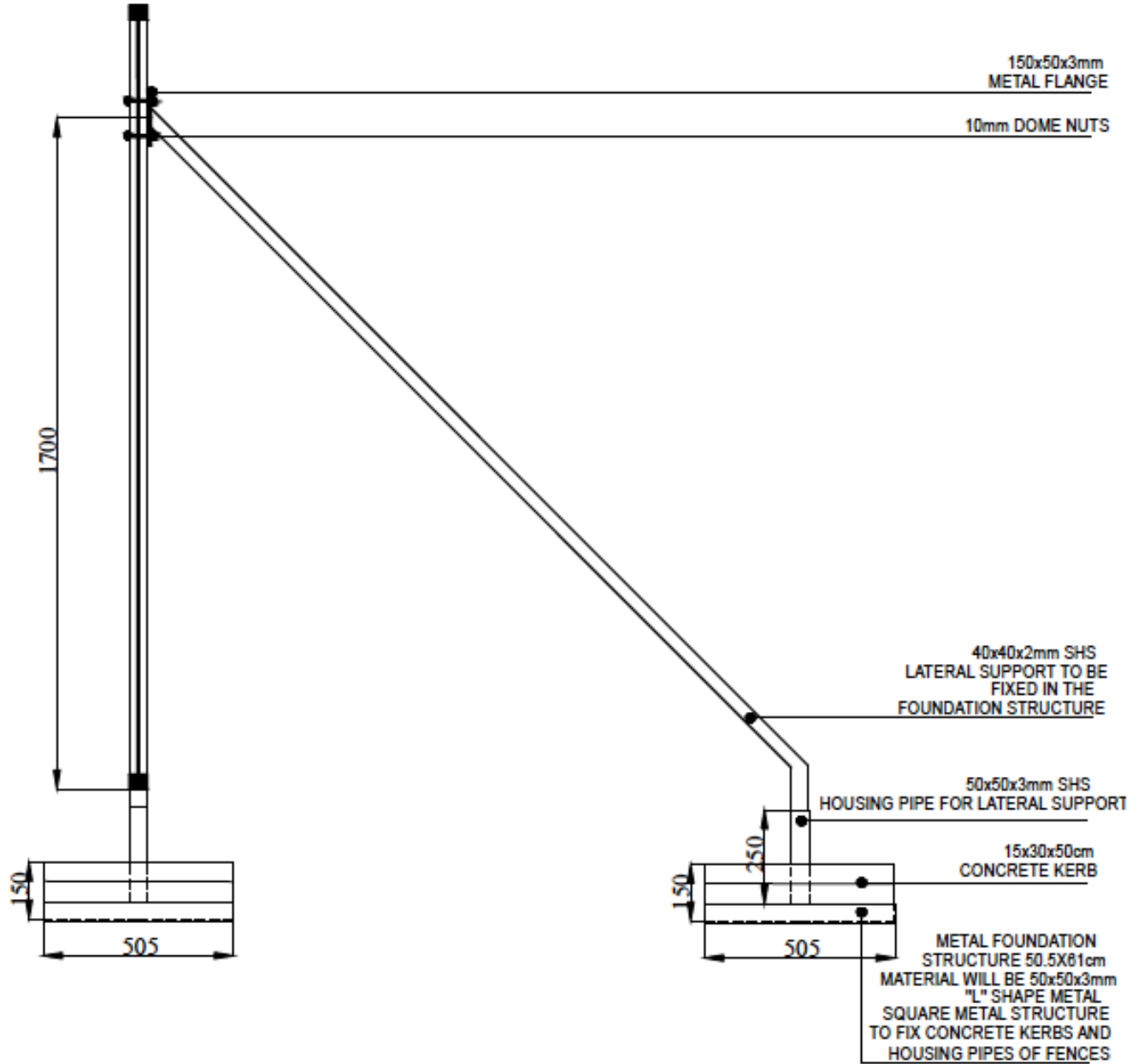
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DETAIL B



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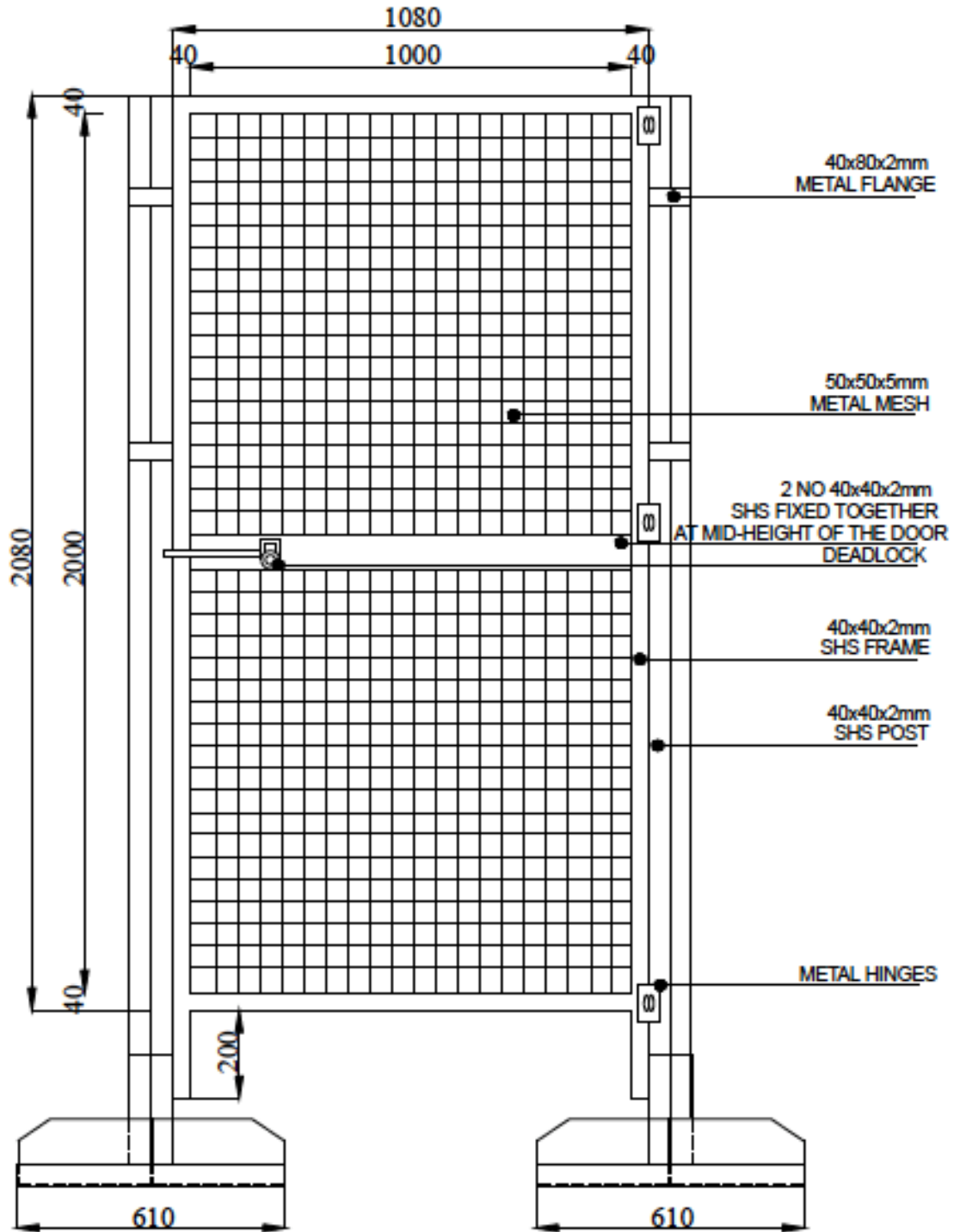
DETAIL C



LATERAL SUPPORT

Schedule of Requirements

DETAIL D



METAL GATE