EXISTING SERVER ROOM

EXISTING COVERED WALKWAY

PAVED YARD

Existing drainage channel

Gentle slope

Step

Higher level

PROFILE OF EXISTING MAIN BUILDING

Roof line above

S-01

ENABEL

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JINJA OFFICE SOLAR WORKS

PARTICULARS
Solar panel installation structure for Jinja office - Solar Structure B

NOVEMBER 2023
EXISTING SERVER ROOM

200mm wide galvanised steel gutter

PROFILE OF EXISTING MAIN BUILDING

S-01

Roof line above

50*50*3mm ms HS welded to concrete roof

1,600

Cantilevered 40*40ms HS purlins

1.6m wide concrete roof over existing walkway

EXISTING SERVER ROOM

2,122

2,123

2,122

S-01

Solar panels mounted onto

40*40*2mm ms HS at 1,183mm centres onto

100*50*3mm ms HS at 2,122mm centres onto

100*50*3mm ms HS wall plate onto

75mm dia, 6mm thick CHS column

JINJA OFFICE

Roof structure of outdoor dining area

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4no. solar panels mounted via steel structure onto existing concrete roof

Solar panel roof
Panels to be mounted onto steel structure and sealed off with water and heat-resistant, flexible sealant such as geopolymer sealant or equal/better approved, to form one uniform, drainable surface 10mm maximum spacing between panels

Roof slope
Overlap to be checked and resolved on site

Roof line above

200mm wide galvanised steel gutter
Solar panel roof on
40*40*2mm ms HS at 1,183mm centres on
100*50*3mm ms HS at 2,122mm centres on
100*50*3mm ms HS wall plate onto
75mm dia, 6mm thick CHS column
*Hollow sections to be 3mm thick

Synchronize slopes
Match roof slope to slope of concrete roof over adjacent walkway

Bamboo ceiling
mature and well-treated bamboo procured from "Bamboo Uganda"
Bamboo stalks to be compactly placed between 100x50mm top railing members and mounted onto purlins with galvanized binding wire

Provide 75*50*3mm bracing at each CHS column (4no. total)

Existing drainage channel to be de-silted and cleaned for restored functionality

YARD
75mm dia CHS
welded to 150x150mm base plate
12mm thick and bolted to concrete pad foundation

300x300x1,000mm deep concrete pad cast onto well compacted murram/earth

200mm wide galvanised steel gutter

VERANDAH OF EXISTING BUILDING

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S-01 Detail section

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Roof shed over dining area identified behind the main building

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