1. All levels are relative to survey Points and Grids
2. Gravel fill to be laid in layers not exceeding 150mm, compacted to 97% MDD
3. Crushed Stone Base to be compacted to 30% CBR
4. Minimum concrete grade for reinforced concrete to be 30mpa, plain concrete 20mpa, blinding concrete 15mpa. all reinforced concrete on ground to have 75mm with C15 concrete blinding.
5. Minimum cover to reinforcement in foundations to be 75mm, cover to columns = 40mm, beams and slabs = 25mm.
6. Allowable bearing pressure = 225kPa
7. Structural timber to be sawn eucalyptus pressure impregnated with preservative and seasoned to 14% moisture content
8. Structural steel to be grade S275
9. Reinforcement steel to be of minimum yield strength of 500MPa
10. Before any member alteration or substitution, consult the engineer
11. Angles to the Back Anchor Cables range from 43° to 48°, not to exceed 56° designed to prevent slacking
12. Back stay Tension ranges from 650kN to 700kN
Structural General Notes

1. All levels are relative to survey Points and Grids.
2. Gravel fill to be laid in layers not exceeding 150mm, compacted to 97% MDD.
3. Crushed Stone Base to be compacted to 30% CBR.
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10. Before any member alteration or substitution, consult the engineer.
11. Angles to the Back Anchor Cables range from 43° to 48°, not to exceed 56° designed to prevent slacking.
12. Back stay tension ranges from 650kN to 700kN as indicated.
The drawing is to be read in conjunction with all other discrepancies. The elements commencing on page 1596 include:

- Anchor base compacted to 97% MDD
- 10 dia. IWRC
- 10m x 200 x 200mm IPE120 OF 550mm c/c SPACING ON 30mpa, plain concrete 20mpa, blinding concrete 15mpa.
- 51dia. 75mm, cover to columns = 40mm, beams and slabs = 25mm.

Allowable bearing pressure = 2.7g/cm²

Anchor block details:
- M5000 standardized shear
- M6500 connector
- M12000 standardized embedment

Notes:
- Specified for top soil compacted in 10cm lifts.
- Not to exceed 56° - 5074

Detail A Section:
- 3660mm x 480mm x 2840mm
- 1:25 S108 S103
- 1:50 S108 S103

Structural Deck Top:
- 1452.83 m²

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Description by:
- National Forest Authority P.O. Box 7086 Kampala, Uganda
- Aquila Gallery Ltd P.O. Box 1057 Kampala, Uganda

Structural Engineer:
- Arch. Felix Holland | ARB no: 206 | Pract. cert.: 3166

Contact:
- Ph: 0775-481994 | Email: edson@localworks.ug
Location  | Bar Mark  | Bar Dia  | No. of bars |
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<tbody>
<tr>
<td>A</td>
<td>C</td>
<td>E</td>
<td>E/R</td>
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Each Bar unless stated otherwise and shall be checked on site prior to works commencing. The drawing is to be read in conjunction with all other relevant drawings, bills of quantities and specifications. Any discrepancies shall be reported to the Architect.

- Gravel fill to be laid in layers not exceeding 150mm, compacted to 200mm spacing.

- Crushed Stone Base to be compacted to 30% CBR.

- Minimum concrete grade for reinforced concrete to be 30mpa, plain concrete 20mpa, blinding concrete 15mpa.

- Cover to reinforcement in foundations to be 75mm, cover to columns = 40mm, beams and slabs = 25mm.

- Allowable bearing pressure = 225kPa.

- Structural timber to be sawn eucalyptus pressure impregnated with preservative and seasoned to 14% moisture content.

- Structural steel to be grade S275.

- Reinforcement steel to be of minimum yield strength of 500MPa.

- Before any member alteration or substitution, consult the engineer.

- Angles to the Back Anchor Cables range from 43° to 56°, designed to prevent slacking.

- Back stay tension ranges from 650kN to 700kN.

- Top of Footing 01: +1437.83 m

- Base of Pylons: +1442.83 m
Figured dimensions only are to be taken from this drawing. Do not scale this drawing. Dimensions are in millimeters and to structural openings unless stated otherwise and shall be checked on site prior to works commencing. The drawing is to be read in conjunction with all other relevant drawings, bills of quantities and specifications. Any discrepancies shall be reported to the Architect.

Location | No. of Elements | Bar Mark | Bar Dia | No. of Bar | Element | Code to

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Elements

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Structural General Notes
1. All levels are relative to survey Points and Grids
2. Gravel fill to be laid in layers not exceeding 150mm, compacted to 97% MDD
3. CBR varies: 30% for 200mm spacing
4. All reinforced concrete on ground to have 75mm, cover to columns = 40mm, beams and slabs = 25mm.
5. Minimum cover to reinforcement in foundations to be 150mm, with C15 concrete
6. Allowable bearing pressure = 225kPa
7. Structural timber to be sawn eucalyptus pressure
8. Structural steel to be grade S275
9. Reinforcement steel to be of minimum yield strength of 500MPa
10. Before any member alteration or substitution, consult the engineer
11. Angles to the Back Anchor Cables range from 43° to 56° designed to prevent slacking
2. Gravel fill to be laid in layers not exceeding 150mm, compacted to 97% MDD.

3. Crushed Stone Base to be compacted to 30% CBR.

4. Minimum concrete grade for reinforced concrete to be 850 mpa, plain concrete 20 mpa, blinding concrete 15 mpa. All reinforced concrete on ground to have 75mm with C15 concrete blinding.

5. Minimum cover to reinforcement in foundations to be 1250 mm, cover to columns = 40 mm, beams and slabs = 25 mm.

6. Allowable bearing pressure = 225 kPa.

7. Structural timber to be sawn eucalyptus pressure H16 - 44 impregnated with preservative and seasoned to 14% moisture content.

8. Structural steel to be grade S275.

9. Reinforcement steel to be of minimum yield strength of H16 - 43.

10. Before any member alteration or substitution, consult the engineer.

11. Angles to the Back Anchor Cables range from 43 to 80° designed to prevent slacking. Not to exceed 56°.

12. Back stay Tension ranges from 650 kN to 700 kN.

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<th>F (mm)</th>
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- **Appendix:**

  - Proprietary Murrum Fill
  - Approved Gravel Fill
  - Scope:
    - Proposed Kalinzu Forest Facilities
    - Eco-tourism Centre and Canopy
  - Site:
    - Proposed Kalinzu Forest Facilities
    - Eco-tourism Centre and Canopy
  - Location:
    - Proposed Kalinzu Forest Facilities
    - Eco-tourism Centre and Canopy
  - Notes: This drawing is the copyright of Aquila Gallery Ltd.
Figured dimensions only are to be taken from this drawing. Do not scale this drawing. Dimensions are in millimeters and to structural openings unless stated otherwise and shall be checked on site prior to works commencing. The drawing is to be read in conjunction with all other relevant drawings, bills of quantities and specifications. Any discrepancies shall be reported to the Architect.

Structural General Notes:
1. All levels are relative to survey points and grids.
2. Gravel fill to be laid in layers not exceeding 150mm, compacted to 97% MDD.
3. Crushed Stone Base to be compacted to 30% CBR.
4. Minimum concrete grade for reinforced concrete to be 30 MPa, plain concrete 20 MPa, blinding concrete 15 MPa. All reinforced concrete on ground to have 75mm with C15 concrete blinding.
5. Minimum cover to reinforcement in foundations to be 850 to 2800.
6. Allowable bearing pressure = 225 kPa.
7. Structural timber to be sawn eucalyptus pressure impregnated with preservative and seasoned to 14% moisture content.
8. Structural steel to be grade S275.
9. Reinforcement steel to be of minimum yield strength of 500 MPa.
10. Before any member alteration or substitution, consult the engineer.

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<th>D (mm)</th>
<th>E/R</th>
<th>Each Bar length (mm)</th>
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Dimensions are in millimeters and to structural openings commencing. The drawing is to be read in conjunction with all other relevant drawings, bills of quantities and specifications. Any discrepancies shall be reported to the Architect.

Structural General Notes
1. All levels are relative to survey Points and Grids compacted to 97% MDD.
2. Crushed Stone Base to be compacted to 30% CBR.
3. Minimum concrete grade for reinforced concrete to be 75mm with C15 concrete blinding.
4. Minimum cover to reinforcement in foundations to be 2800mm, cover to columns = 40mm, beams and slabs = 25mm.
5. Allowable bearing pressure = 225kPa.
6. Structural timber to be sawn eucalyptus pressure impregnated with preservative and seasoned to 14% moisture content.
7. Reinforcement steel to be of minimum yield strength of 500MPa.
8. Before any member alteration or substitution, consult the architect.
9. Angles to the Back Anchor Cables range from 43° designed to prevent slacking.
10. Back stay tension ranges from 650kN to 700kN.

Shape Location Bar Mark Bar Dia. Each Bar

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<th>D (mm)</th>
<th>E (mm)</th>
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Typical Terrace Base
- 150mm spacing
- Varies:

Typical Terrace Pedestal
to stem height
- Varies:

Typical Pylon Pad Base
- 200mm spacing
- Varies:

Typical Pylon Pedestal
to stem height
- Varies:

Typical Terrace Pedestal
to stem height
- Varies:

C20 CONCRETE BASE WITH ONLY BOTTOM REBARS
G10 WELDED MESH CRACKING REINFORCEMENT
H12 -

624 3150 640

MIN 1500mm Embedment

400 400

75mm Spacers at 500mm Centres

MIN 1500mm Embedment

150mm Hardcore Base

SAFE EXCAVATION

FOOTING F2F

FOOTING LP F4

Section P.F2F

Section Q.LP4
### Location

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### Typical Pylon Pad Base

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### Typical Pylon Pedestal

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<td>Footing F1H</td>
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### Structural General Notes

1. All levels are relative to survey points and grids.
2. Gravel fill to be laid in layers not exceeding 150mm, compacted to 97% MDD.
3. Crushed Stone Base to be compacted to 30% CBR.
4. Minimum concrete grade for reinforced concrete to be 30MPa, plain concrete 20MPa, blinding concrete 15MPa.
   - all reinforced concrete on ground to have 75mm with C15 concrete blinding.
5. Minimum cover to reinforcement in foundations to be 75mm, cover to columns = 40mm, beams and slabs = 25mm.
6. Allowable bearing pressure = 225 kPa.
7. Structural timber to be sawn eucalyptus pressure impregnated with preservative and seasoned to 14% moisture content.
8. Structural steel to be grade S275.
9. Reinforcement steel to be of minimum yield strength of 500MPa.
10. Before any member alteration or substitution, consult the engineer.
11. Angles to the Back Anchor Cables range from 43° to 48°, not to exceed 56° designed to prevent slacking.
12. Back stay tension ranges from 650kN to 700kN, as indicated.

### Drawing Information

- **Scale:** 1:25
- **Designer:** MSP
- **Drawn:** MSP
- **Chkd:** EA & KSJ
- **Drawing no.:**
- **Discipline:** Structural
- **Client:** National Forest Authority
- **Funding agency:** USAID
- **Architect:** Felix Holland
- **Consultant:** MBW Consulting Ltd.