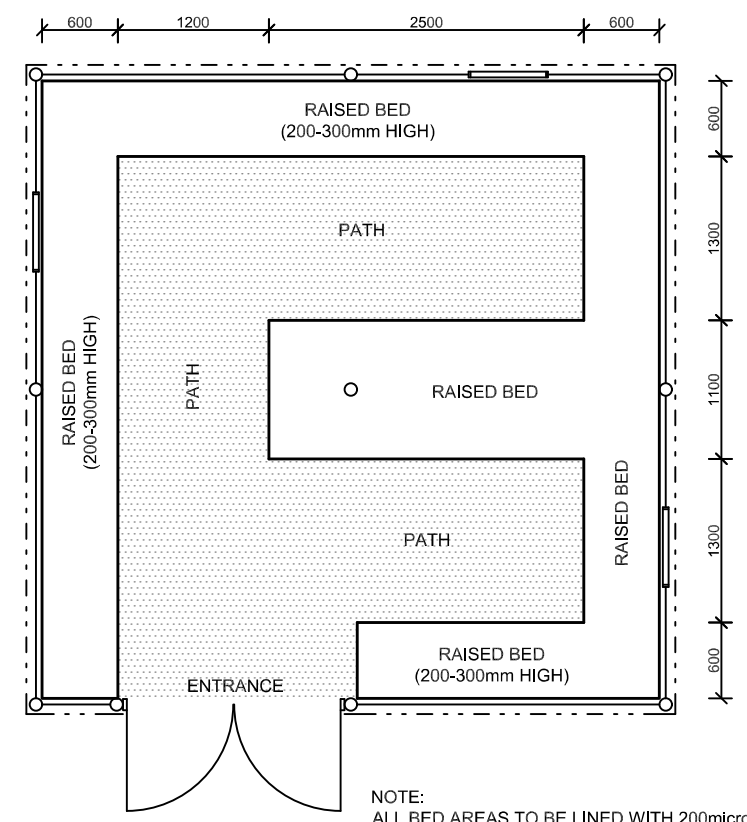
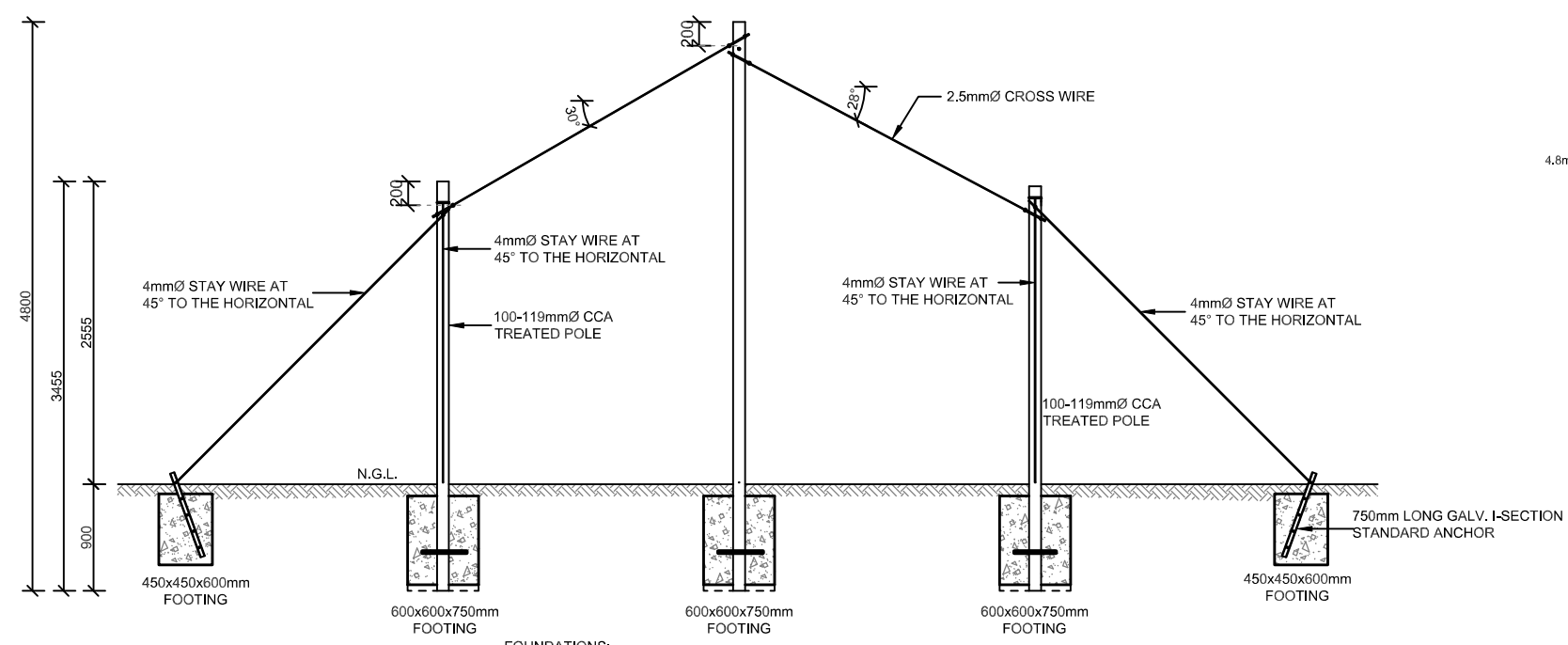


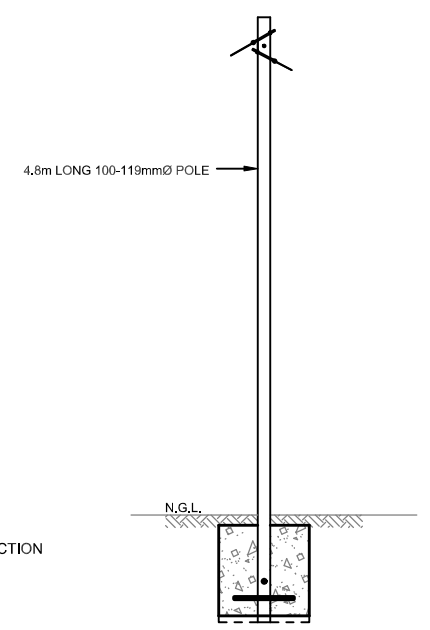
FRAME LAYOUT



PLAN LAYOUT



SECTION A-A



SECTION B-B

FOUNDATIONS:
20MPa CONCRETE FOOTINGS ON 50mm STONE LAYER.
POLE ENDS TO HAVE 10mm REINFORCING RODS THROUGH POLE AND CONCRETE

FOUNDATIONS: 600x600x600mm CONCRETE FOOTINGS (20MPa CONCRETE) ON 50mm GRAVEL LAYER. POLE ENDS TO HAVE 2 x Y12 BARS THROUGH (IN BOTH DIRECTIONS)



No.	Date	Revision	Initial



South African NATIONAL PARKS
TECHNICAL SERVICES

Project
COMMUNITY NURSERY PLASTIC TUNNEL FOR VEGETABLE SEEDLINGS

Client
GRASSLAND NATIONAL PARK

Drawing
PLANS AND SECTIONS

Scale 1:60 (A3) Drawn K Visser

Checked C Jonker Date 12/03/2026

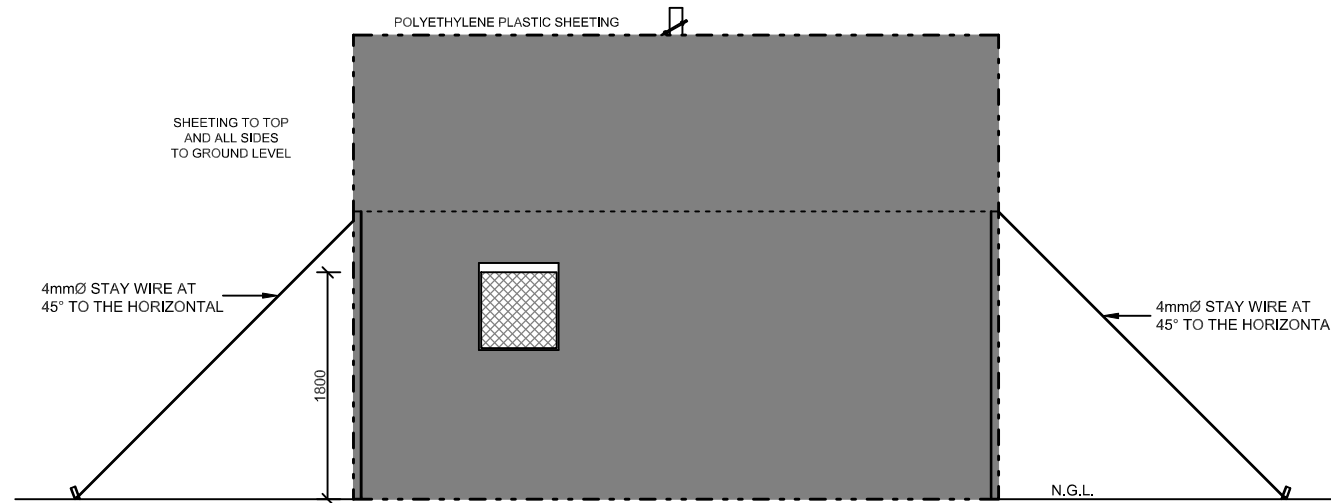
Signed *[Signature]* 19 March 2026 Date

Drawing No. **GRASS-7/1/20/7/1/1/1** Rev. **00**

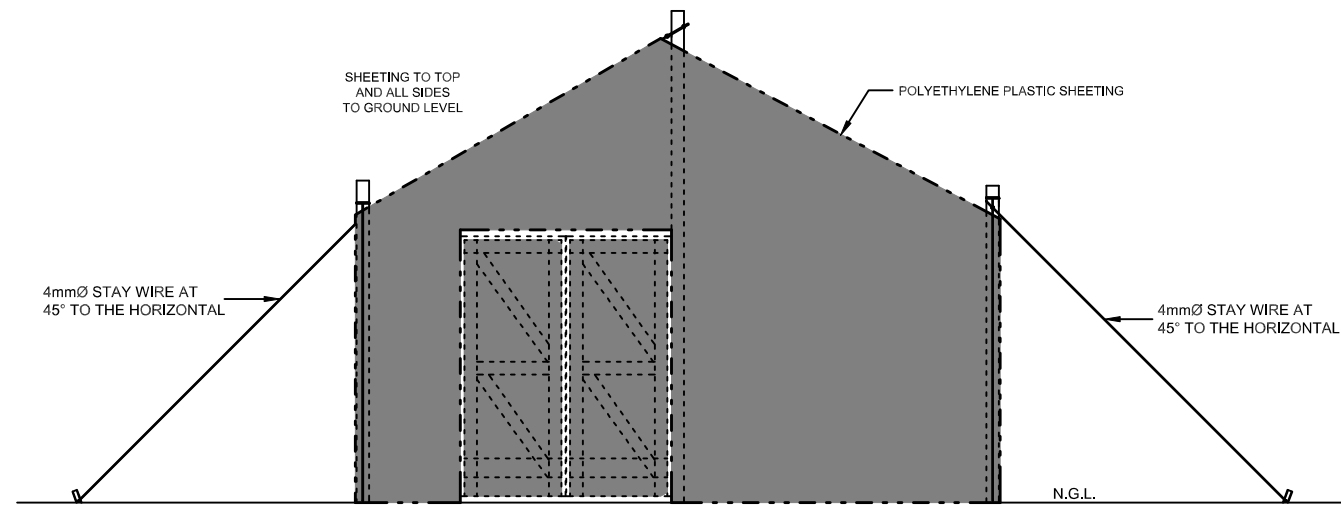
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5x5m PLASTIC TUNNEL SPECIFICATIONS:

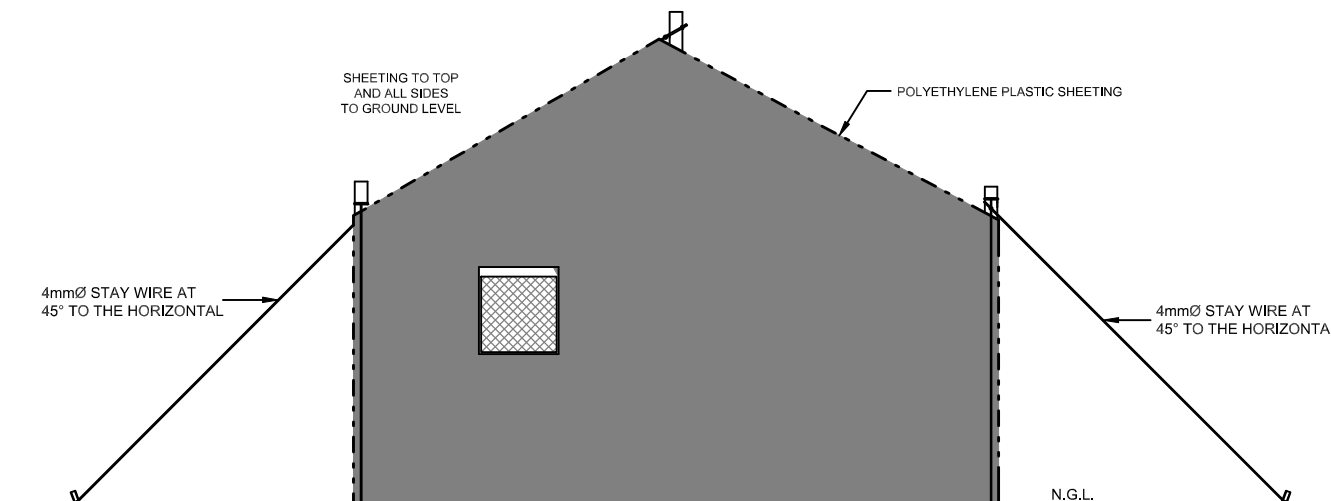
1. MIN. 100mmØ CCA TREATED H4 PINE POLES, SABS APPROVED.
2. 150-200microns UV-STABILISED POLYETHYLENE FILM SHEETING AS CLADDING ALL AROUND.
3. 600x600mm MANUAL ROLL-UP SIDE VENTS WITH INSECT NETTING AND TREATED TIMBER HANDLES.
4. STANDARD 1612x2032mm FLB DOUBLE SWING TIMBER DOOR, COVERED WITH UV PLASTIC SHEETING.



SIDE ELEVATION



FRONT ELEVATION



BACK ELEVATION



No.	Date	Revision	Initial



**South African
NATIONAL PARKS**
TECHNICAL SERVICES

Project _____

**COMMUNITY NURSERY
PLASTIC TUNNEL FOR
VEGETABLE SEEDLINGS**

Client _____

**GRASSLAND
NATIONAL PARK**

Drawing _____

ELEVATIONS

Scale 1:60 (A3) Drawn K Visser

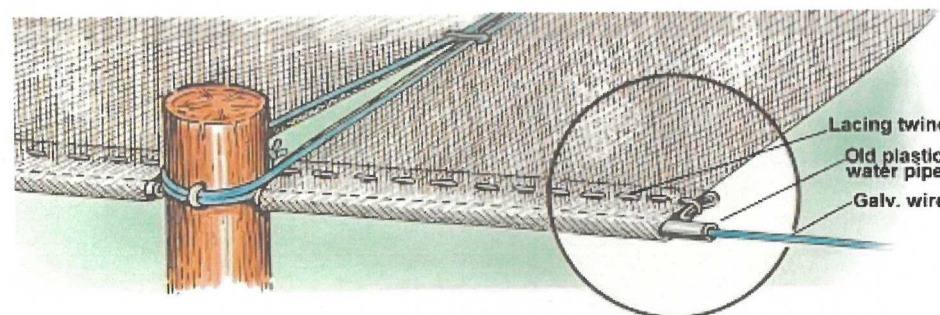
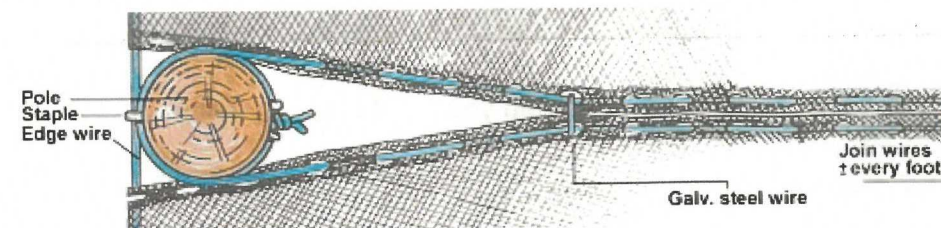
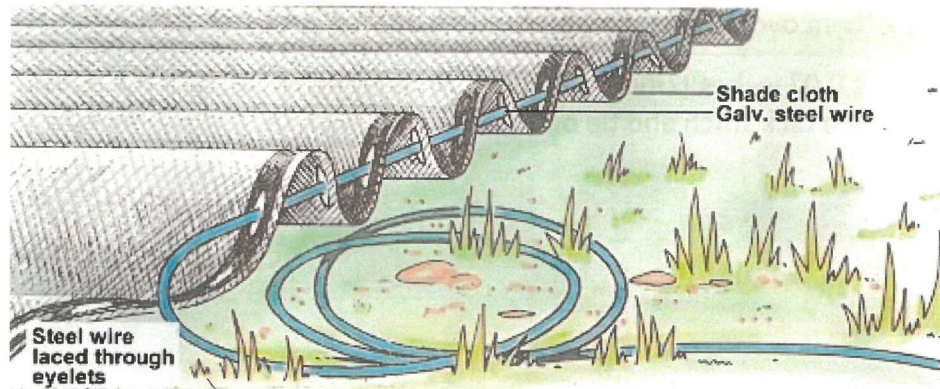
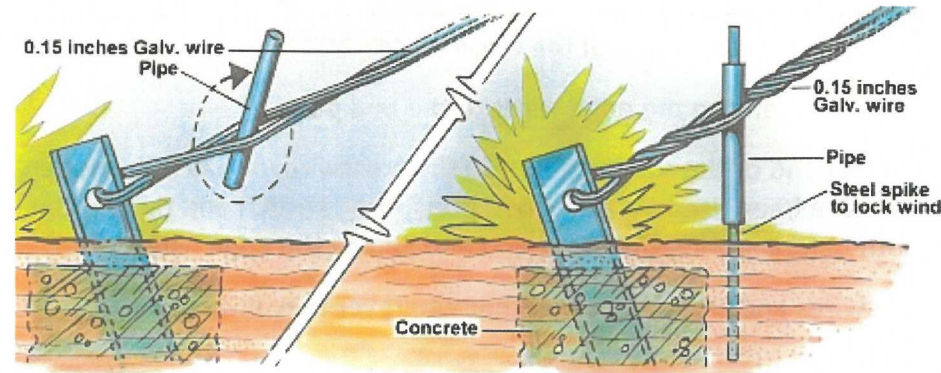
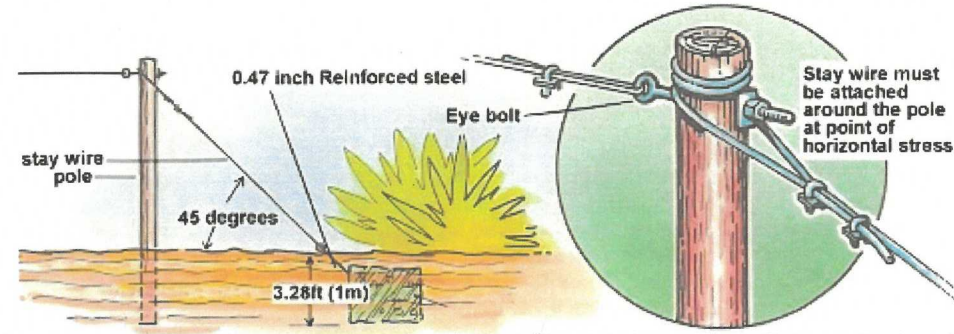
Checked C Jonker Date 12/03/2026

Signed _____ Date 19 March 2026

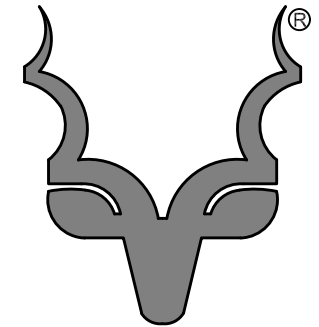
Drawing No. _____ Rev. _____
GRASS-7/4/20/7/1/1/2 00

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TYPICAL DETAILS FOR ANCHORING POLES AND NETTING



No.	Date	Revision	Initial



**South African
NATIONAL PARKS**

TECHNICAL SERVICES

Project

**COMMUNITY NURSERY
TUNNELS**

Client

**GRASSLAND
NATIONAL PARK**

Drawing

FASTENING DETAILS

Scale N.T.S. (A3) Drawn K Visser

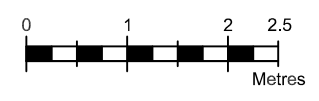
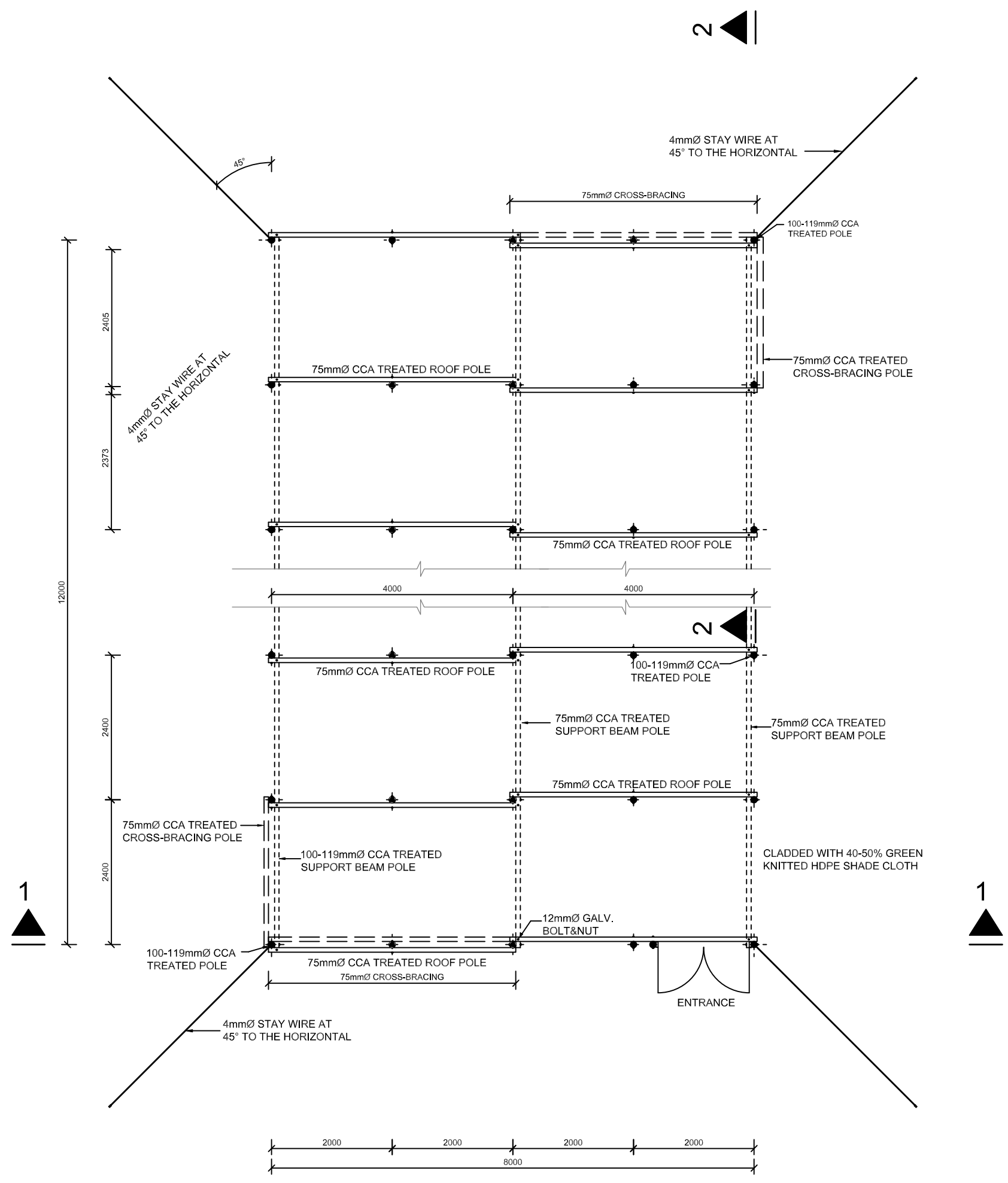
Checked C Jonker Date 12/03/2026

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Date

Drawing No. *[Signature]* Rev.

GRASS-7/4/20/7/1/1/3 00

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No.	Date	Revision	Initial



**South African
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TECHNICAL SERVICES

Project
**COMMUNITY NURSERY
VEGETABLE SHADE TUNNEL**

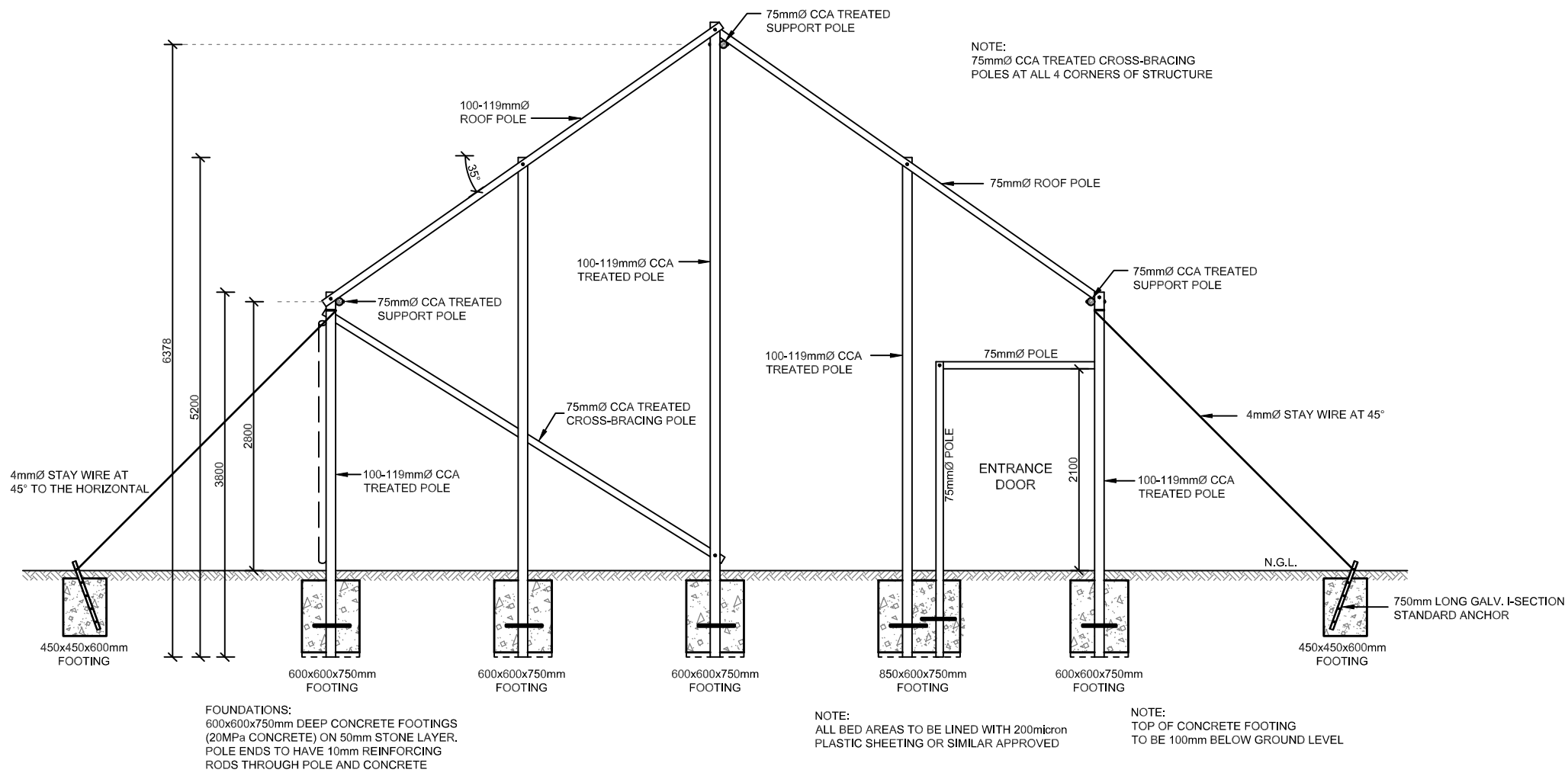
Client
**GRASSLAND
NATIONAL PARK**

Drawing
PLAN

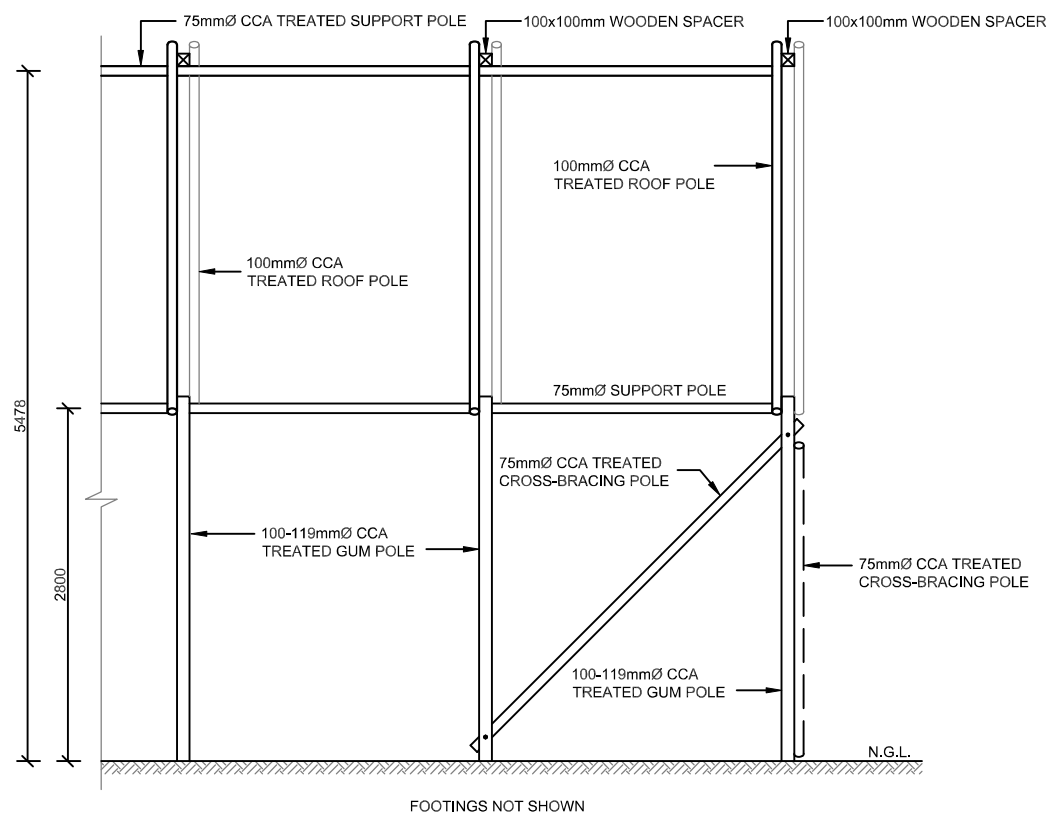
Scale 1:75 (A3) Drawn K Visser
Checked C Jonker Date 12/03/2026
Signed _____ Date _____

Drawing No. GRASS-7/4/20/7/1/2/1 Rev. 00

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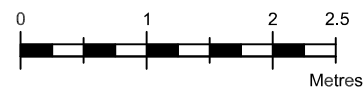
SECTION 1-1



SECTION 2-2

12x8m SHADE CLOTH TUNNEL SPECIFICATIONS:

1. MIN. 100mmØ CCA TREATED H4 PINE UPRIGHT POLES, SABS APPROVED.
2. RIDGE, ROOF AND CROSS SUPPORT POLES: 75mmØ OR GALV. TUBING.
3. 40-50% GREEN KNITTED HDPE SHADE CLOTH (UV-STABILISED) WITH REINFORCED EDGING WITH EYELETS AT 1m c/c FOR ROPE FASTENING. SHADE CLOTH SECURED WITH UV STABILISED CABLE TIES.
4. OPTION: 600x600mm MANUAL ROLL-UP SIDE VENTS WITH INSECT NETTING AND TREATED TIMBER HANDLES.
5. STANDARD 1511x2032mm FLB DOUBLE SWING TIMBER DOOR, WITH INSECT MESH.
6. 200-300mm RAISED BEDS OR SEEDLING TRAYS ON BENCHES.



No.	Date	Revision	Initial



**South African
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Project
**COMMUNITY NURSERY
VEGETABLE SHADE TUNNEL**

Client
**GRASSLAND
NATIONAL PARK**

Drawing
SECTIONS

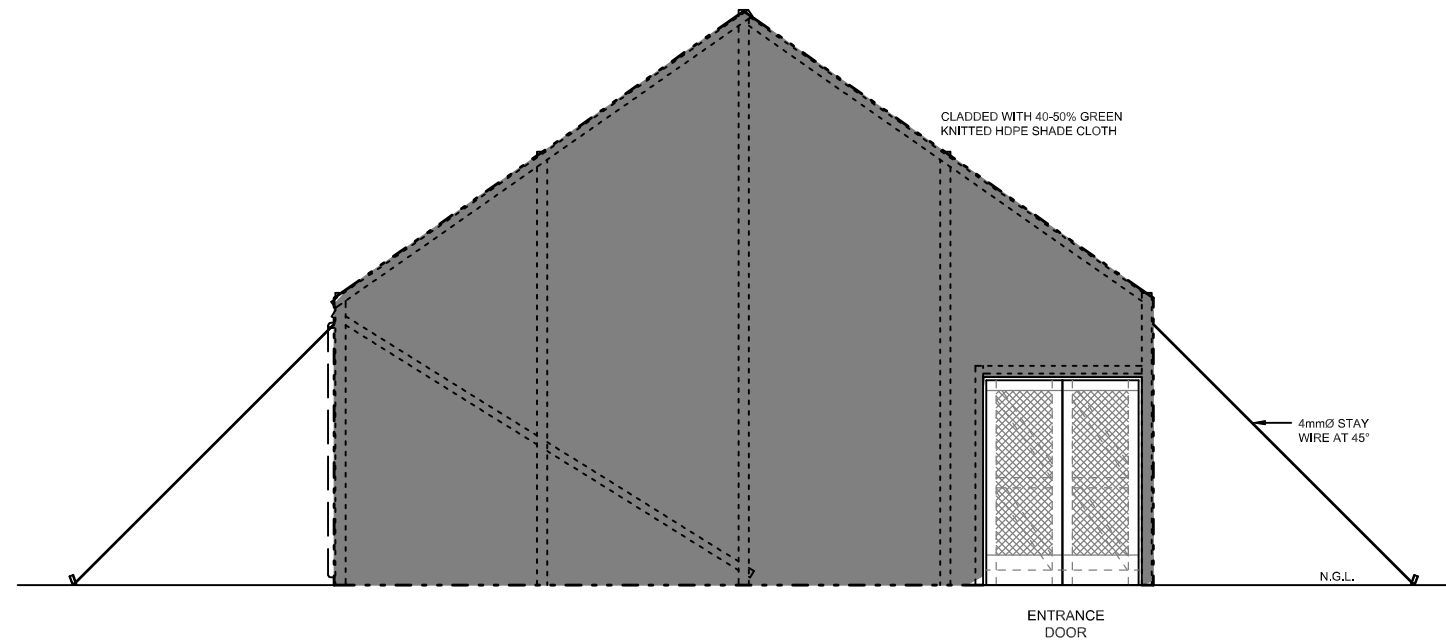
Scale 1:60 (A3) Drawn K Visser

Checked C Jonker Date 12/03/2026

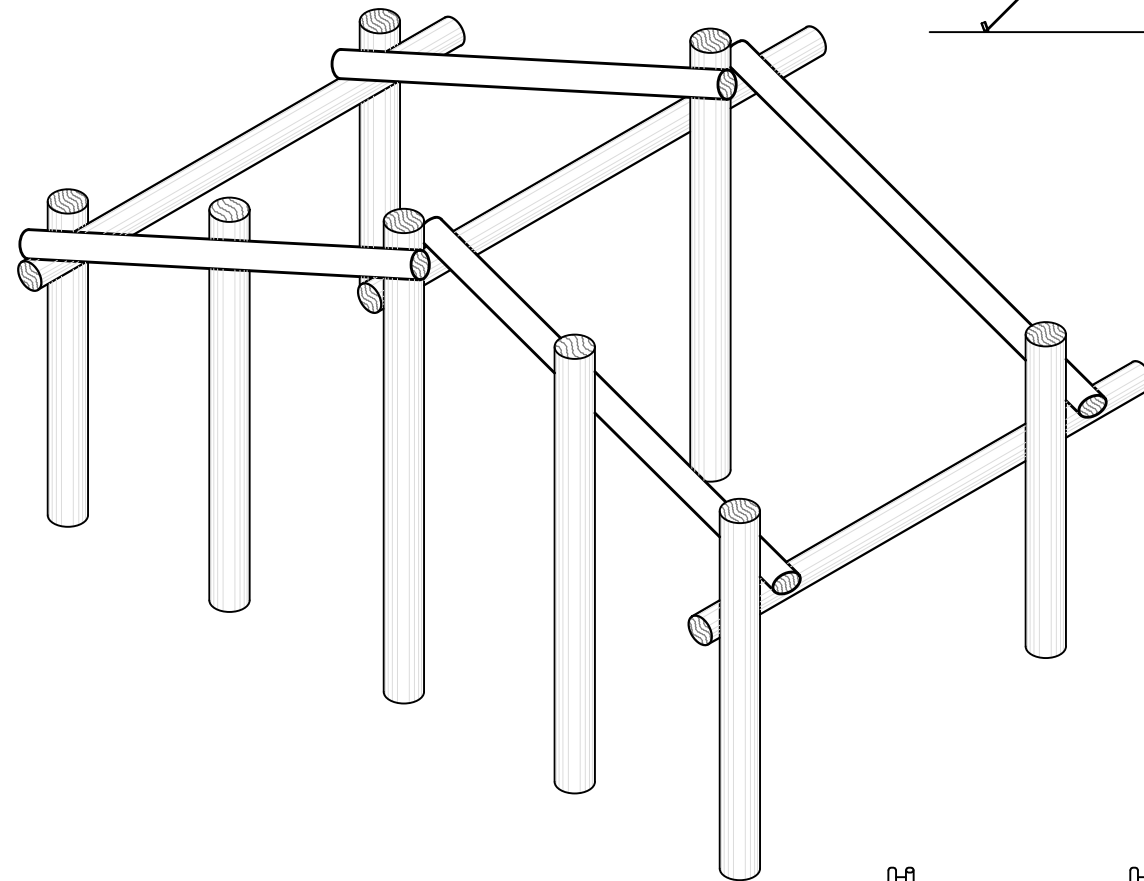
Signed *[Signature]* Date 19 March 2026

Drawing No. *[Signature]* Rev. 00
GRASS-7/4/20/7/1/2/2

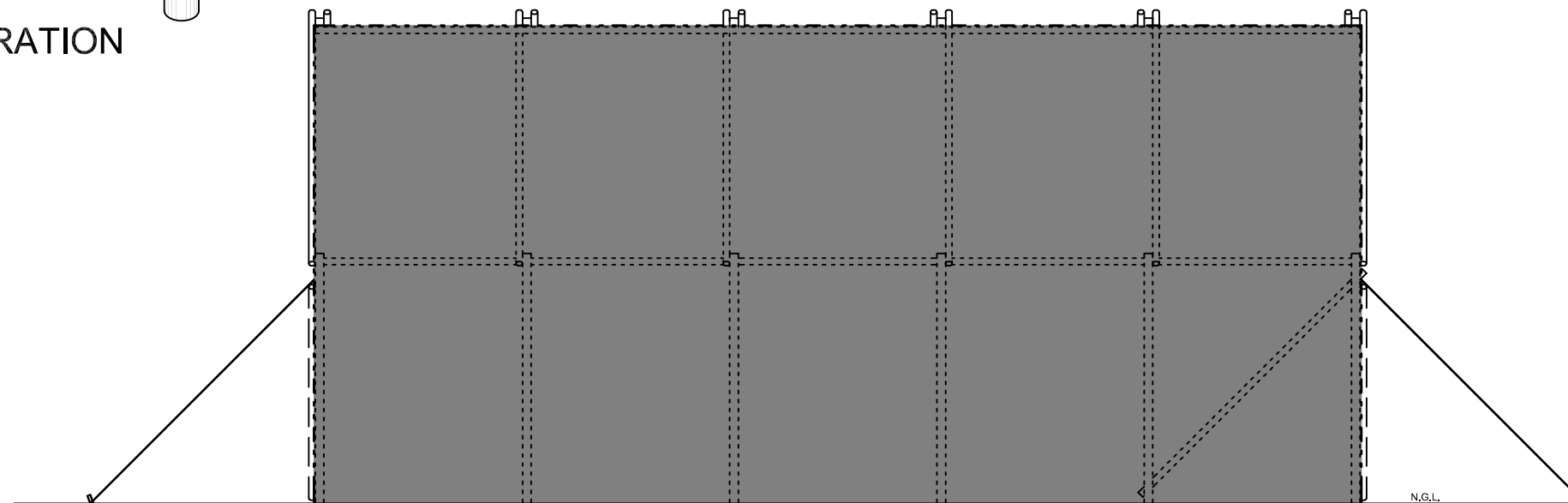
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FRONT ELEVATION



TYPICAL POLE CONFIGURATION



SIDE ELEVATION



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TECHNICAL SERVICES

Project
**COMMUNITY NURSERY
VEGETABLE SHADE TUNNEL**

Client
**GRASSLAND
NATIONAL PARK**

Drawing
ELEVATIONS

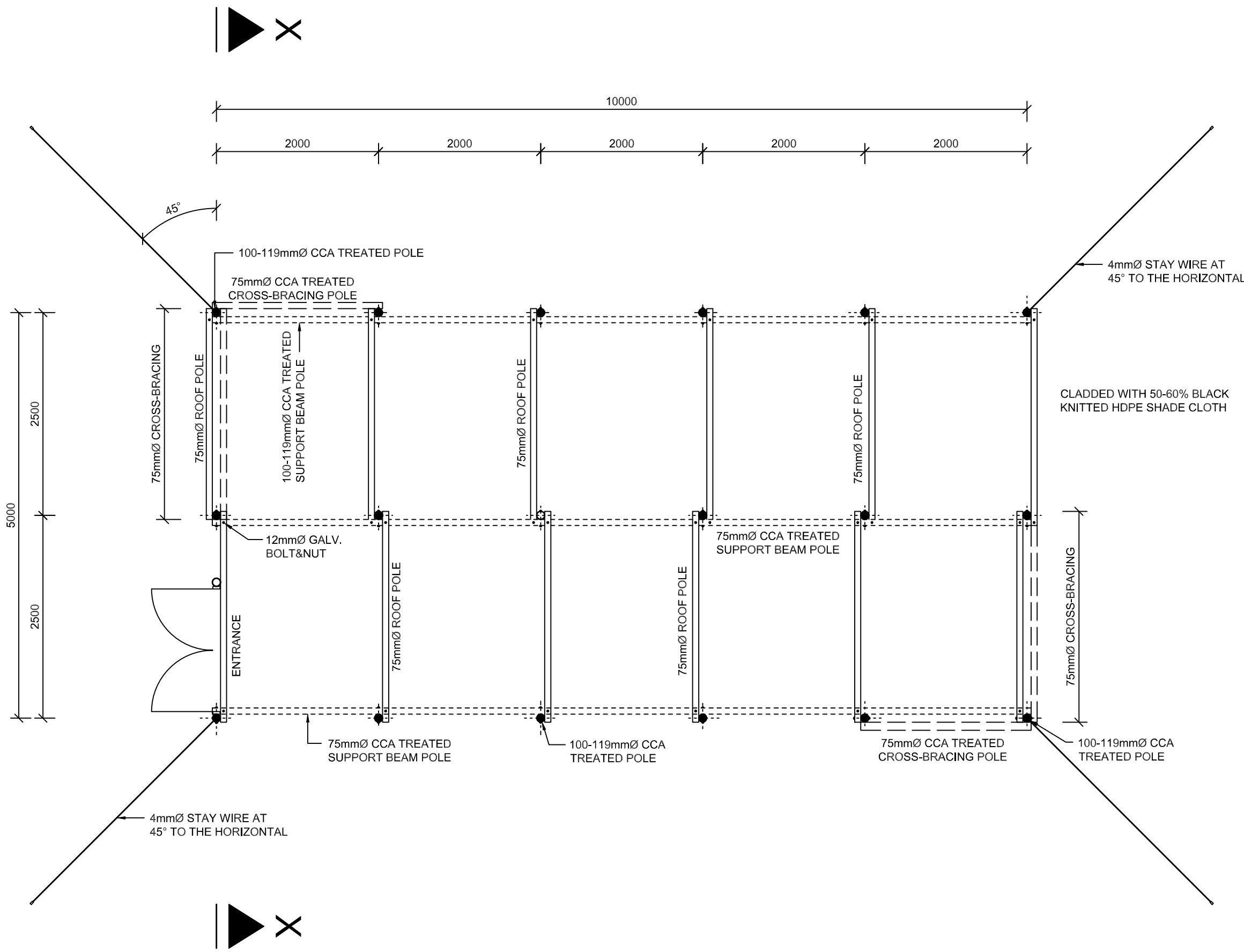
Scale 1:75 (A3) Drawn K Visser

Checked C Jonker Date 12/03/2026

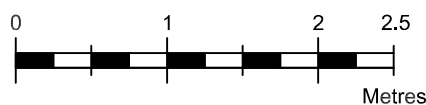
Signed *[Signature]* 19 March 2026
Date

Drawing No. *[Signature]* Rev. 00
GRASS-7/4/20/7/1/2/3

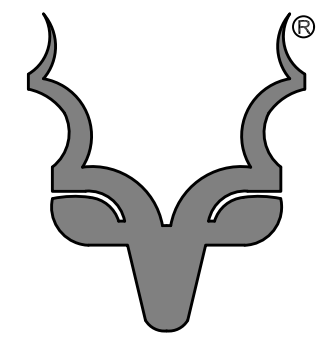
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POLE LAYOUT



No.	Date	Revision	Initial



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Project

**COMMUNITY NURSERY
MEDICINAL PLANTS
SHADE TUNNEL**

Client

**GRASSLAND
NATIONAL PARK**

Drawing

PLAN

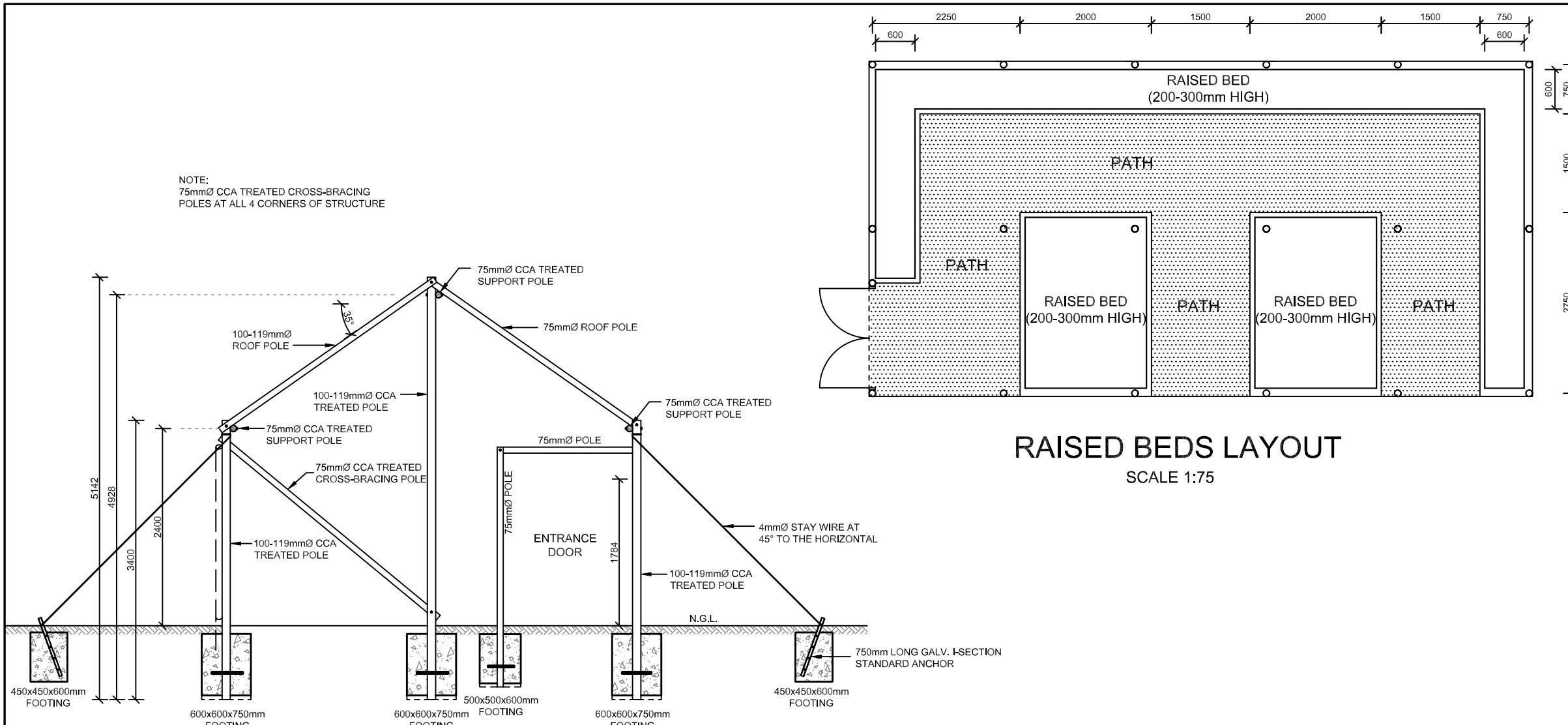
Scale 1:50 (A3) Drawn K Visser

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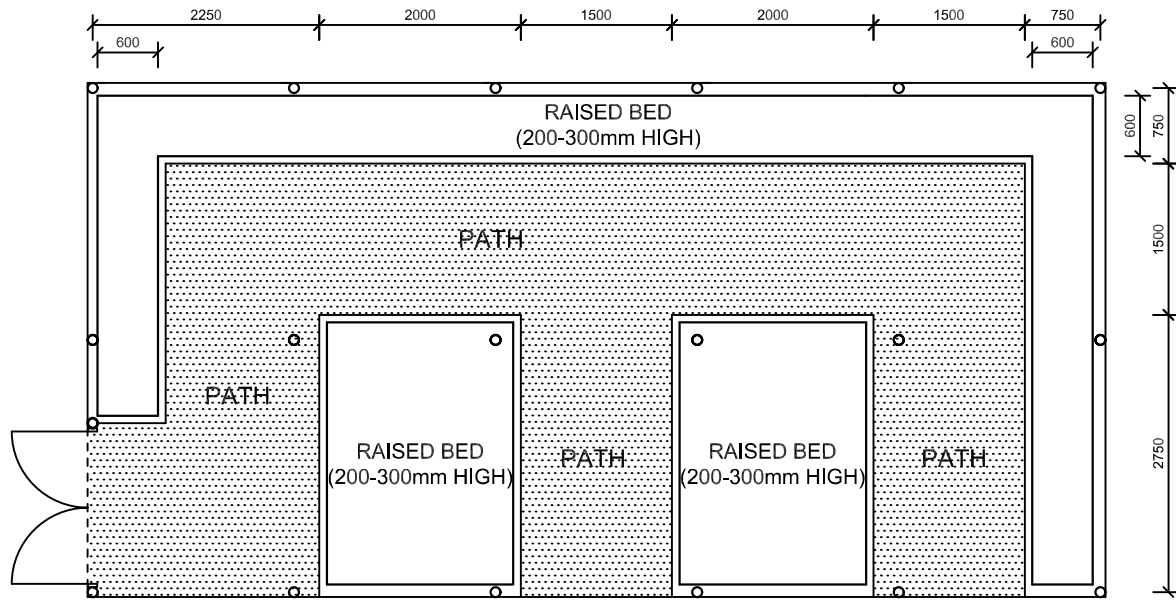
NOTE:
75mmØ CCA TREATED CROSS-BRACING
POLES AT ALL 4 CORNERS OF STRUCTURE

FOUNDATIONS:
600x600x750mm DEEP CONCRETE FOOTINGS
(20MPa CONCRETE) ON 50mm STONE LAYER.
POLE ENDS TO HAVE 10mm REINFORCING
RODS THROUGH POLE AND CONCRETE

NOTE:
ALL BED AREAS TO BE LINED WITH 200micron
PLASTIC SHEETING OR SIMILAR APPROVED

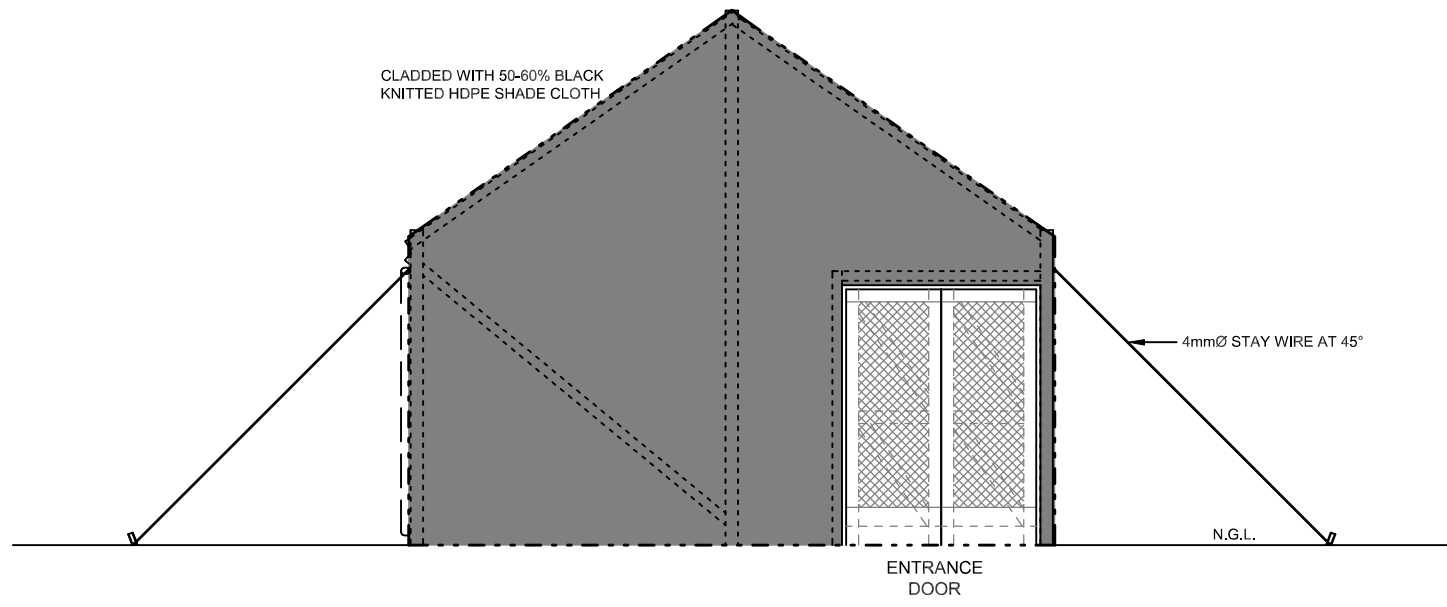
NOTE:
TOP OF CONCRETE FOOTING
TO BE 100mm BELOW GROUND LEVEL

SECTION X-X

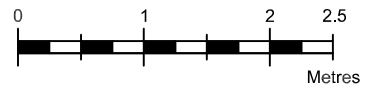


RAISED BEDS LAYOUT SCALE 1:75

- 10x5m SHADE CLOTH TUNNEL SPECIFICATIONS:
1. MIN. 100mmØ CCA TREATED H4 PINE UPRIGHT POLES, SABS APPROVED.
 2. RIDGE, ROOF AND CROSS SUPPORT POLES: 75mmØ OR GALV. TUBING.
 3. 50-60% BLACK KNITTED HDPE SHADE CLOTH (UV-STABILISED) WITH REINFORCED EDGING WITH EYELETS AT 1m c/c FOR ROPE FASTENING. SHADE CLOTH SECURED WITH UV STABILISED CABLE TIES.
 4. OPTION: 600x600mm MANUAL ROLL-UP SIDE VENTS WITH INSECT NETTING AND TREATED TIMBER HANDLES.
 5. STANDARD 1511x2032mm FLB DOUBLE SWING TIMBER DOOR, WITH INSECT MESH.
 6. 200-300mm RAISED BEDS OR SEEDLING TRAYS ON BENCHES.



FRONT ELEVATION



No.	Date	Revision	Initial



**South African
NATIONAL PARKS**
TECHNICAL SERVICES

Project
**COMMUNITY NURSERY
MEDICINAL PLANTS
SHADE TUNNEL**

Client
**GRASSLAND
NATIONAL PARK**

Drawing
SECTION AND ELEVATION

Scale 1:60 (A3) Drawn K Visser
Checked C Jonker Date 12/03/2026
Signed *[Signature]* 19 March 2026
Date

Drawing No. *[Signature]* Rev. 00
GRASS-7/4/20/7/1/3/2

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