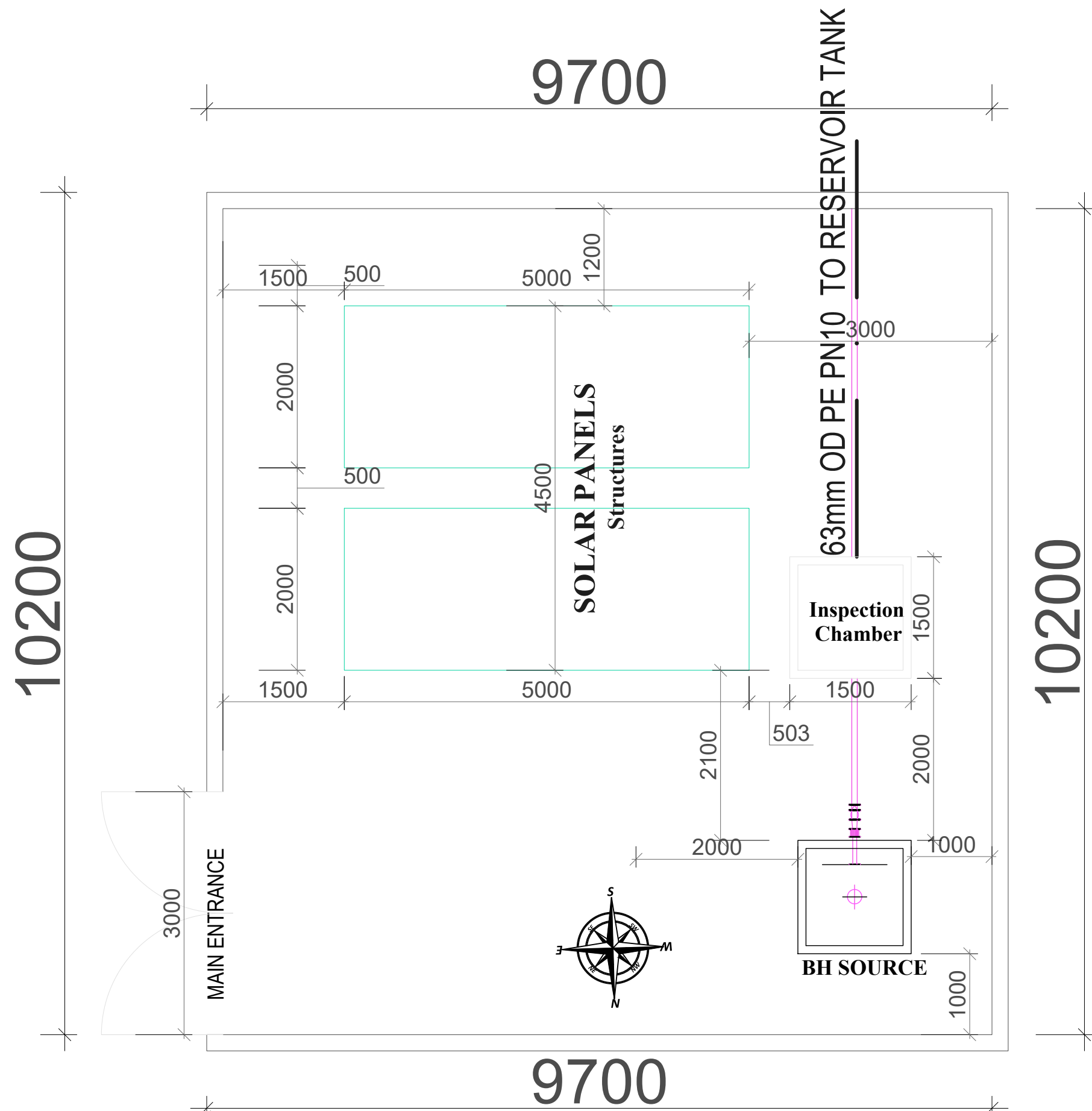


CTS STANDARD DESIGN -BOOK OF DRAWINGS

TABLE OF CONTENTS

| PAGE NO. | DRAWING TITLE | DRAWING NO. |
|----------|---|---------------------|
| 01 | Intake Site: Site Layout Plan | GKA [- -]01 |
| 02 | Intake Site: Solar Panel structure Layout | GKA [- -]02 |
| 03 | Intake Site: Solar Panel structure -Elevations | GKA [- -]03 |
| 04 | Intake Site: Solar Panel structure -Footing details | GKA [- -]04 |
| 05 | Intake Site: Solar Panel structure Layout | GKA [- -]05 |
| 06 | Reservoir Site: Site Layout Plan | GKA [- -]06 |
| 07 | Reservoir Site: Foundation Layout Plan | GKA [- -]07 |
| 08 | Reservoir Site: Foundation and Column details | GKA [- -]08 |
| 09 | Reservoir Site: Intermediate Beam Layout | GKA [- -]09 |
| 10 | Reservoir Site: Solid slab layout and details | GKA [- -]10 |
| 11 | Reservoir Site: Beam and slab section details | GKA [- -]11 |
| 12 | Reservoir Site: Column section details and Roof Level Plan | GKA [- -]12 |
| 13 | Reservoir Site: RCT Elevations | RCT-GKA [- -]03 &04 |
| 14 | Reservoir Site: RCT Elevations | RCT-GKA [- -]01 &02 |
| 15 | Reservoir Site: RCT Section | RCT-GKA [- -]05 |
| 16 | Chainlink Fence details | GKA [- -]15 |
| 17 | Transmission &Distribution; Manhole details | GKA [- -]16 |
| 18 | Transmission &Distribution; Trench and Pipe Bedding details | GKA [- -]17 |
| 19 | Transmission &Distribution; Marker Post details | GKA [- -]18 |




SITE LAYOUT PLAN-GKA[- -]01
 SCALE 1:200

| AMENDMENTS | | |
|------------|------|----------|
| No | Date | Revision |
| | | |
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| | | |

- GENERAL NOTES;**
- ALL DIMENSIONS TO BE CHECKED ON SITE. WRITTEN DIMENSIONS TO BE FOLLOWED IN PREFERENCE TO SCALED DIMENSIONS.
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 - ALL SANITARY WORK TO BE IN ACCORDANCE WITH M.O.H RULES AND REGULATIONS.
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Client:



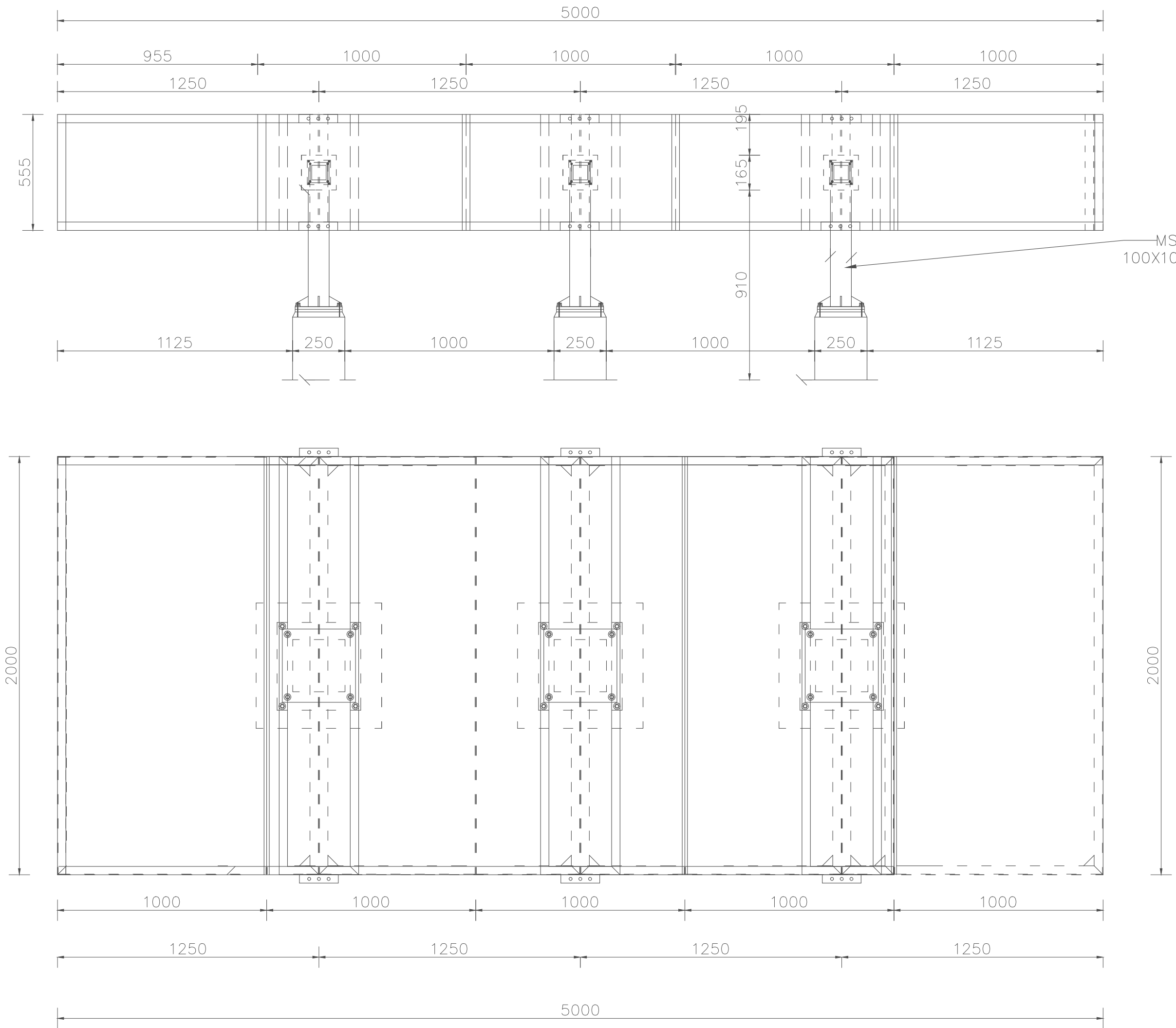
GOAL-KAMPALA
 Procurement and Logistics Department
 Plot 1 Lubboke Road, La Palm Building, Muyenga-Kampala
 P.O Box 33140 Uganda, Kampala
 Email: procurement@goal

Project:
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

Drawing Title:
Intake
 Site Layout Plan

| | | |
|-------------------------------|------------------|---------------------|
| Scale: AS SHOWN | Designed: | |
| Date: February/2025 | Drawn: | PLA |
| | Checked: | Infrastructure Team |
| | Approved: | JSK |


Drg No: GKA [- -]01



| AMENDMENTS | | |
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| No | Date | Revision |
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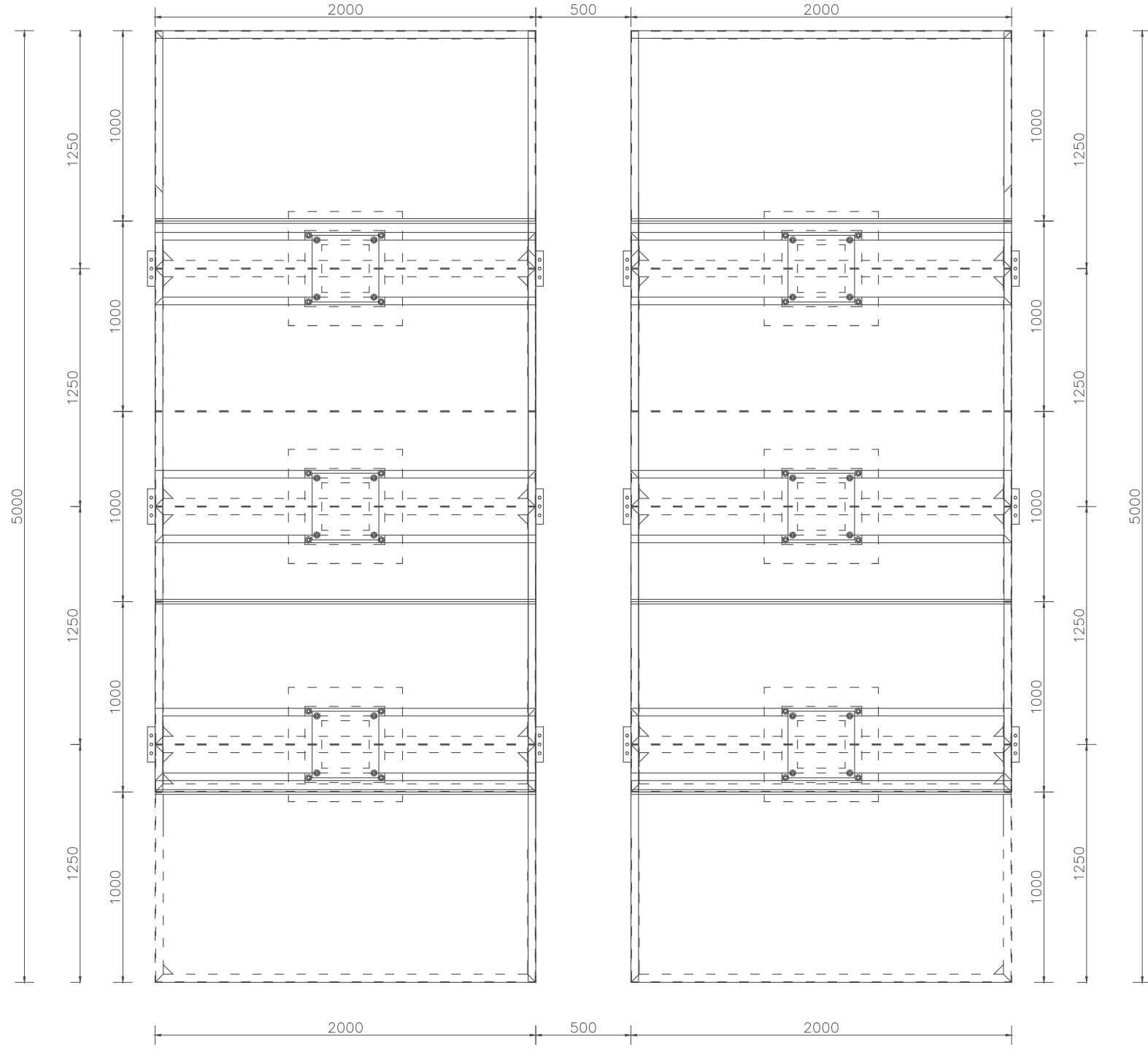
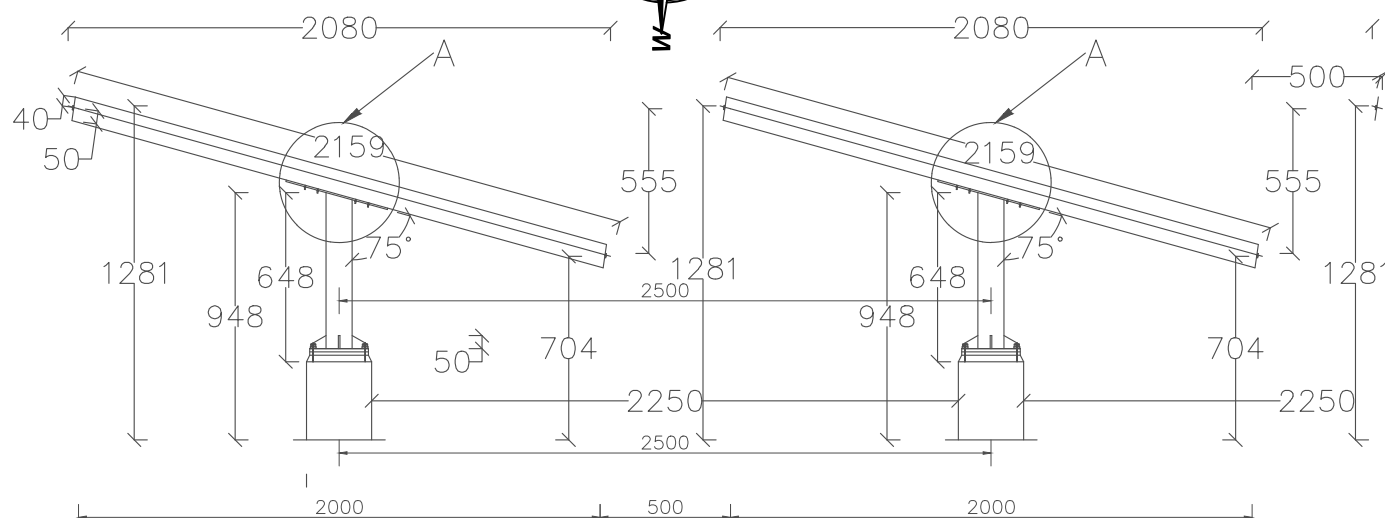
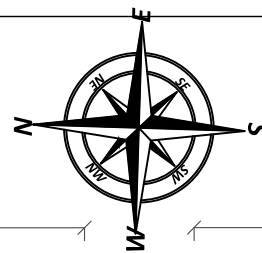


GOAL-KAMPALA
Procurement and Logistics Department
Plot 1 Lubbock Road, La Palm Building, Muyenga-Kampala
P.O Box 33140 Uganda, Kampala
Email: procurement@goal

Project:
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

Drawing Title:
Intake
Solar structure layout

| | | |
|-------------------------------|--|--|
| Scale: AS SHOWN | Designed: PLA | |
| Date: February/2025 | Checked: Infrastructure Team | |
| | Approved: JSK | |
| Drg No: GKA [-]02 | | |



| AMENDMENTS | | |
|------------|------|----------|
| No | Date | Revision |
| | | |
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Client:

GOAL-KAMPALA
 Procurement and Logistics Department
 Plot 1 Lubboke Close, La Palm Building, Muyenga-Kampala
 P.O Box 33140 Uganda, Kampala
 Email: procurement@goal

Project:
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

Drawing Title:
Intake
 Solar structure(Elevations and Plan)

| | | |
|-------------------------------|------------------|---------------------|
| Scale: AS SHOWN | Designed: | |
| Date: February/2025 | Drawn: | PLA |
| | Checked: | Infrastructure Team |
| | Approved: | JSK |

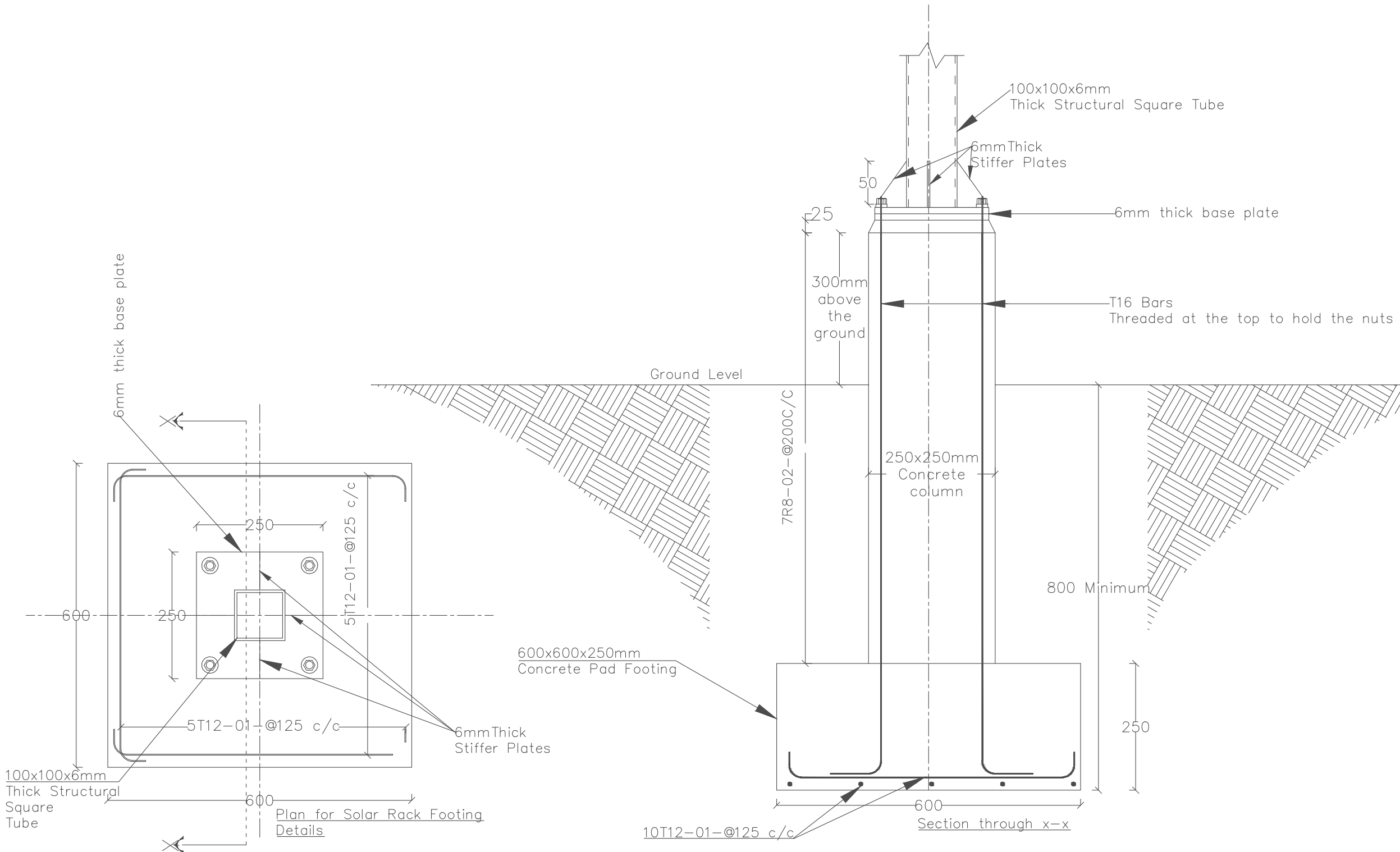
Drg No: GKA [-]-03

AMENDMENTS

| No | Date | Revision |
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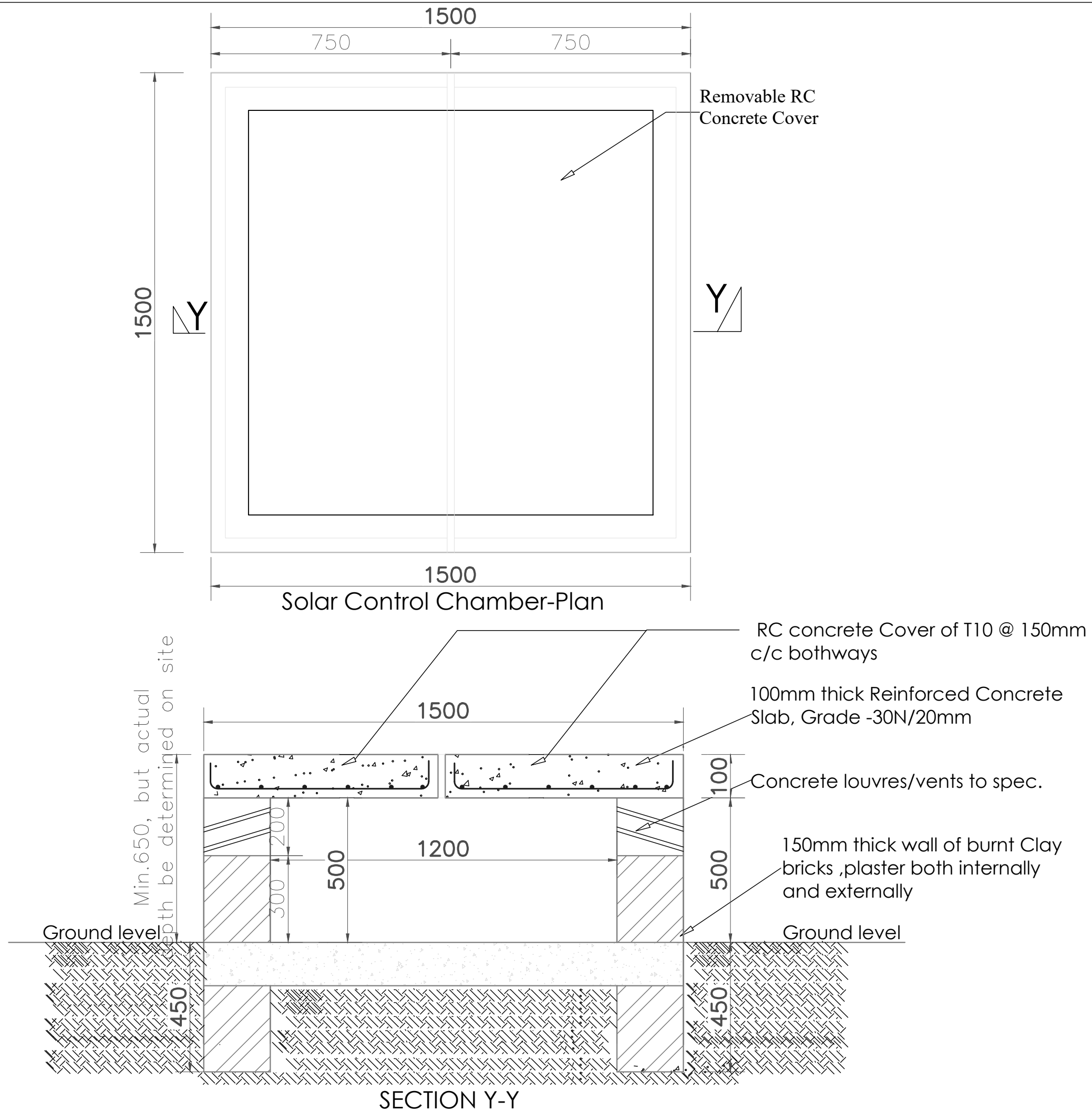
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

Drawing Title:

Intake
 Solar structure Footing details

| | | |
|---------------|------------------|---------------------|
| Scale: | Designed: | |
| AS SHOWN | Drawn: | PLA |
| Date: | Checked: | Infrastructure Team |
| February/2025 | Approved: | JSK |


Drg No: GKA [-]04



| AMENDMENTS | | |
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| No | Date | Revision |
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GOAL-KAMPALA
Procurement and Logistics Department
Plot 4 Lubwama Road, La Palm Building, Mayanga Kampala
P.O. Box 33140, Kampala
Uganda
www.goal.org.ug

Project:
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT


Drawing Title:
Intake
Inspection Chamber details

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|-------------------------------|------------------------------|----------------------------|
| Scale: AS SHOWN | Designed: Drawn: | PLA |
| Date: February/2025 | Checked: Approved: | Infrastructure Team JSK |
| Drg No: GKA [-]-05 | | |

| AMENDMENTS | | |
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| No | Date | Revision |
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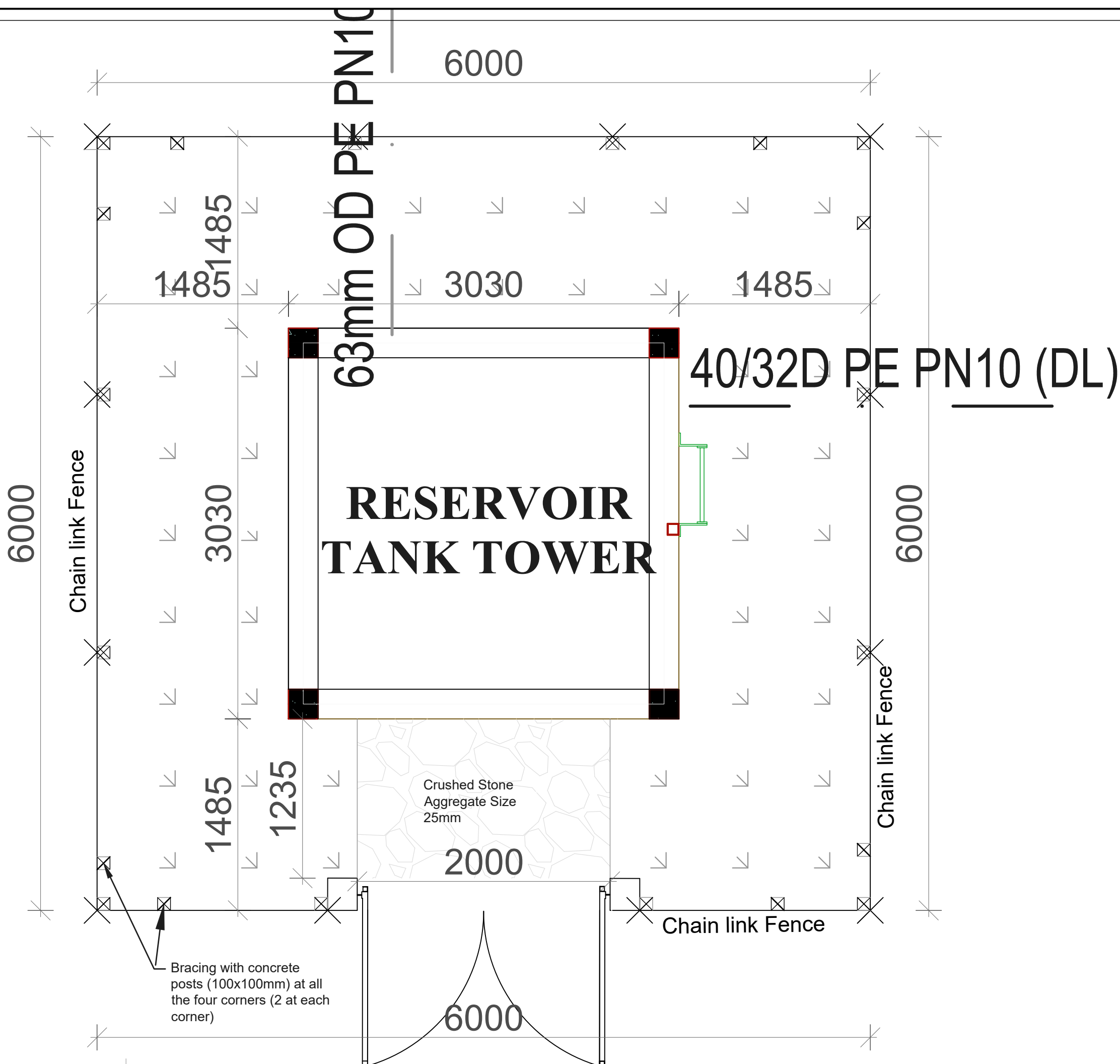


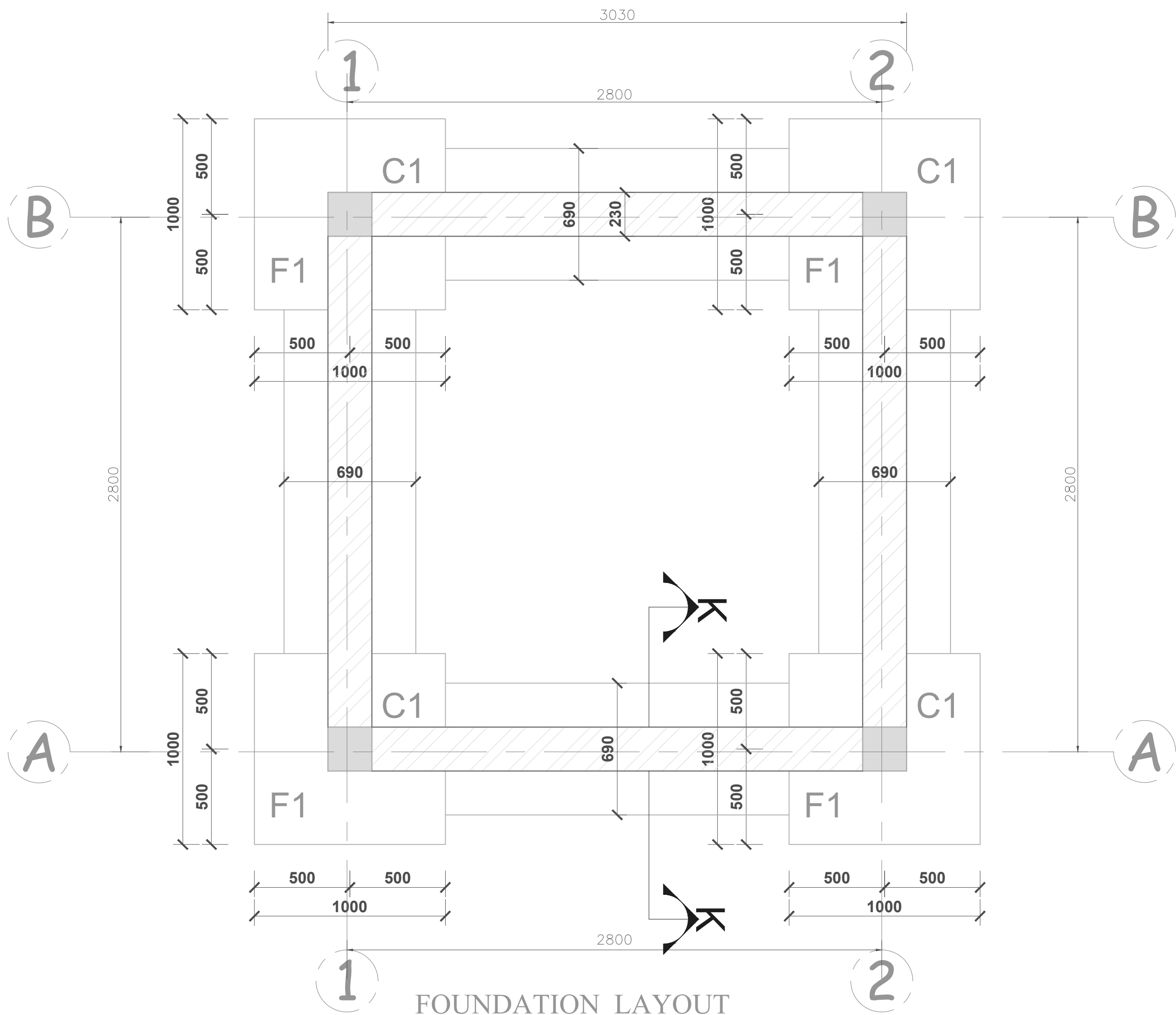
GOAL-KAMPALA
Procurement and Logistics Department
Plot 1 Lubwaba Road, La Palm Building, Mayanga Kampala
P.O. Box 33140 Uganda, Kampala
Email: procurement@goal

Project:
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

Drawing Title:
Reservoir
Site Layout Plan

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| Scale: AS SHOWN | Designed: Drawn: | PLA |
| Date: February/2025 | Checked: Approved: | Infrastructure Team JSK |
| Drg No: GKA [-]-06 | | |






FOUNDATION LAYOUT

| AMENDMENTS | | |
|------------|------|----------|
| No | Date | Revision |
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- GENERAL NOTES;**
- ALL DIMENSIONS TO BE CHECKED ON SITE. WRITTEN DIMENSIONS TO BE FOLLOWED IN PREFERENCE TO SCALED DIMENSIONS.
 - ALL WALLS LESS THAN 200MM THICK TO BE REINFORCED WITH HOOP IRON AT EVERY ALTERNATE COURSE.
 - ALL REINFORCED CONCRETE WORK IS TO BE IN ACCORDANCE WITH STRUCTURAL ENGINEER'S DETAILS.
 - ALL SANITARY WORK TO BE IN ACCORDANCE WITH M.O.H RULES AND REGULATIONS.
 - WHERE DRAIN PASSES UNDER BUILDING OR DRIVEWAY AREA, PIPE TO BE OF CAST IRON OR ENCASED IN 150MM CONCRETE.
 - ALL WASTE PIPES AND SOIL PIPES ARE TO BE IN DUCTS AND THE BENDS TO HAVE ALL CLEANING EYES ACCESSIBLE FROM OUTSIDE.
 - ALL WINDOWS AND EXTERNAL GLAZED DOORS ON GROUND FLOOR TO HAVE BURGLAR PROOFING TO DETAILS.
 - ALL INTERNAL PLASTER TO BE TWO COATS STEEL FLOAT FINISHED.
 - ALL MANHOLES WITHIN BUILDING AREA, DRIVEWAY AND PARKING TO HAVE HEAVY DUTY AIR TIGHT COVERS AND DOUBLE SEALED.
 - PROVIDE G.I. 125 x 100 RAINWATER DOWN PIPES AND 125 x 100 G.I. BOX GUTTER WITH BRACKETS ETC. WHERE SHOWN.
 - ALL PAINTING TO BE 3 COATS.
 - SPLASH APRON OF 600MM ALONG THE PERIMETER OF BUILDING.
 - SAMPLES OF FITTINGS, MATERIALS ETC. TO BE PRODUCED & APPROVED BEFORE COMMENCING WORK.
 - ALL WINDOWS TO HAVE P.C. CILLS, BUILT IN REINFORCED CONCRETE PELMET BOXES & TIMBER INTERNAL WINDOW CILLS & SKIRTINGS.
 - FIRE FIGHTING EQUIPMENT TO BE PROVIDED AND INSTALLED BY BUILDING FIRE CONSULTANTS WHERE SHOWN ON PLAN.
 - THE ENGINEER SHALL NOT ACCEPT ANY LIABILITY FOR WORKS WHICH HE HAS NOT BEEN EXPRESSLY INSTRUCTED TO SUPERVISE IN WRITING AND HAS ACCEPTED TO PROCEED IN WRITING, OR FOR ANY OMISSIONS OR DEVIATIONS FROM HIS DRAWINGS/TECHNICAL SPECIFICATIONS. NOR SHALL HE TAKE RESPONSIBILITY FOR WORKS HANDLED BY OTHER NOMINATED CONSULTANTS OR CONTRACTORS
 - D.P.C DENOTES ONE LAYER OF BITUMINOUS FELT TO BE PROVIDED UNDER ALL WALLS AT LEAST 150MM ABOVE GROUND LEVEL.
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 - ALL CONSTRUCTION WORKS TO COMPLY WITH THE LATEST B.S STANDARD CODES OF PRACTICE, LOCAL AUTHORITY BYLAWS AND FIRE REGULATIONS.
 - DEPTH OF FOUNDATION TRENCHES TO BE A MINIMUM OF 750MM BELOW REDUCED GROUND LEVEL.
 - ALL PIPES AND SERVICES TO BE AT A MINIMUM OF 450MM BELOW REDUCED GROUND LEVEL.

Client:



GOAL-KAMPALA
Procurement and Logistics Department
Plot 1 Lubbock Road, La Palm Building, Muyenga Kampala
P.O. Box 33140 Uganda, Kampala
Email: procurement@goal

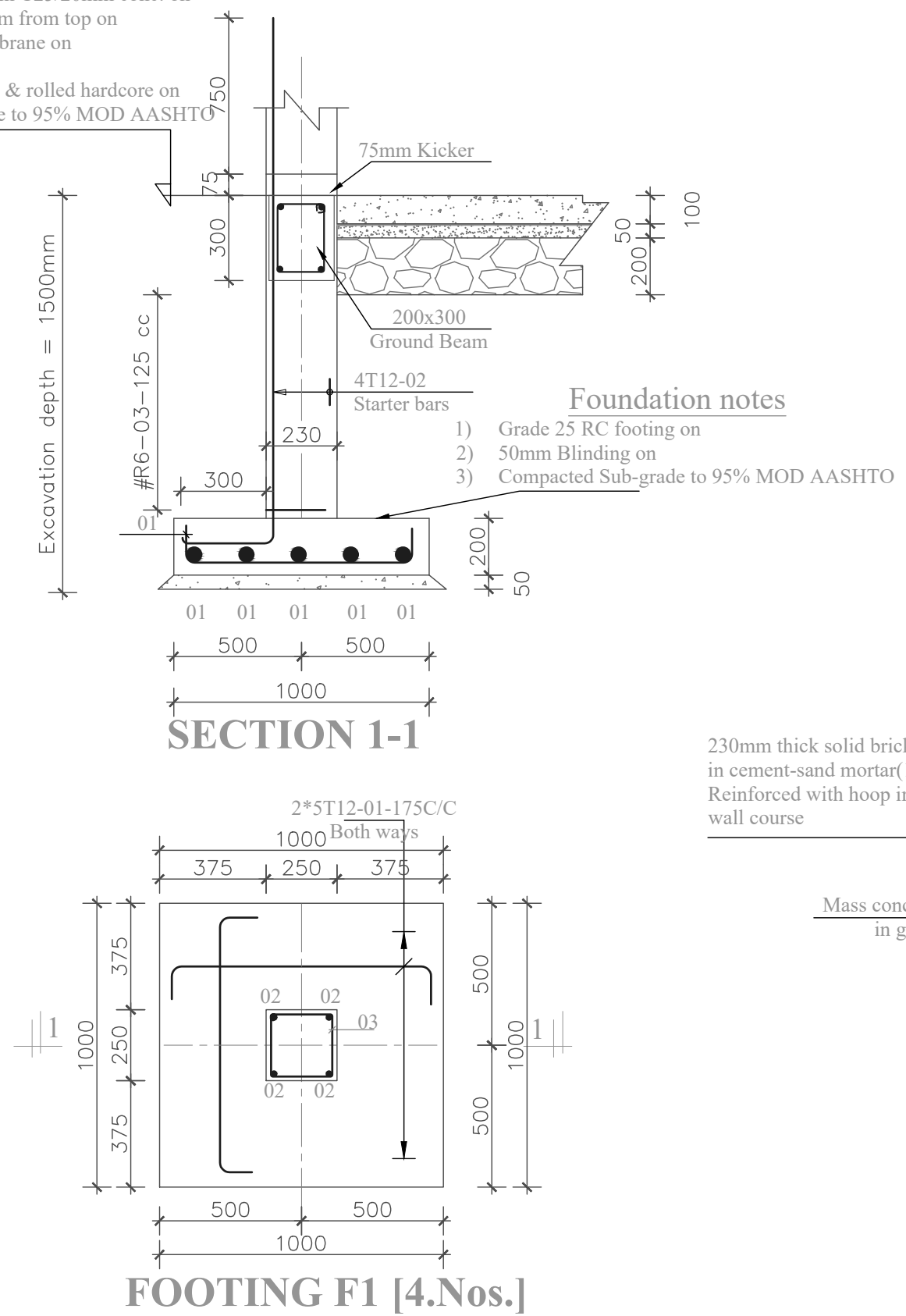
Project:
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

Drawing Title:
Reservoir
Foundation Layout

| | | |
|-------------------------------|------------------|---------------------|
| Scale: AS SHOWN | Designed: | |
| Date: February/2025 | Drawn: | PLA |
| Drg No: GKA [-]-07 | Checked: | Infrastructure Team |
| | Approved: | JSK |

Foundation notes

- 1) 100mm ground bearing slab in C25/20mm conc. on
- 2) A98 BRC MESH at 25-38mm from top on
- 3) 1000gauge damp proof membrane on
- 4) 50mm sand blinding on
- 5) 200mm average well packed & rolled hardcore on
- 6) Compacted natural sub-grade to 95% MOD AASHTO

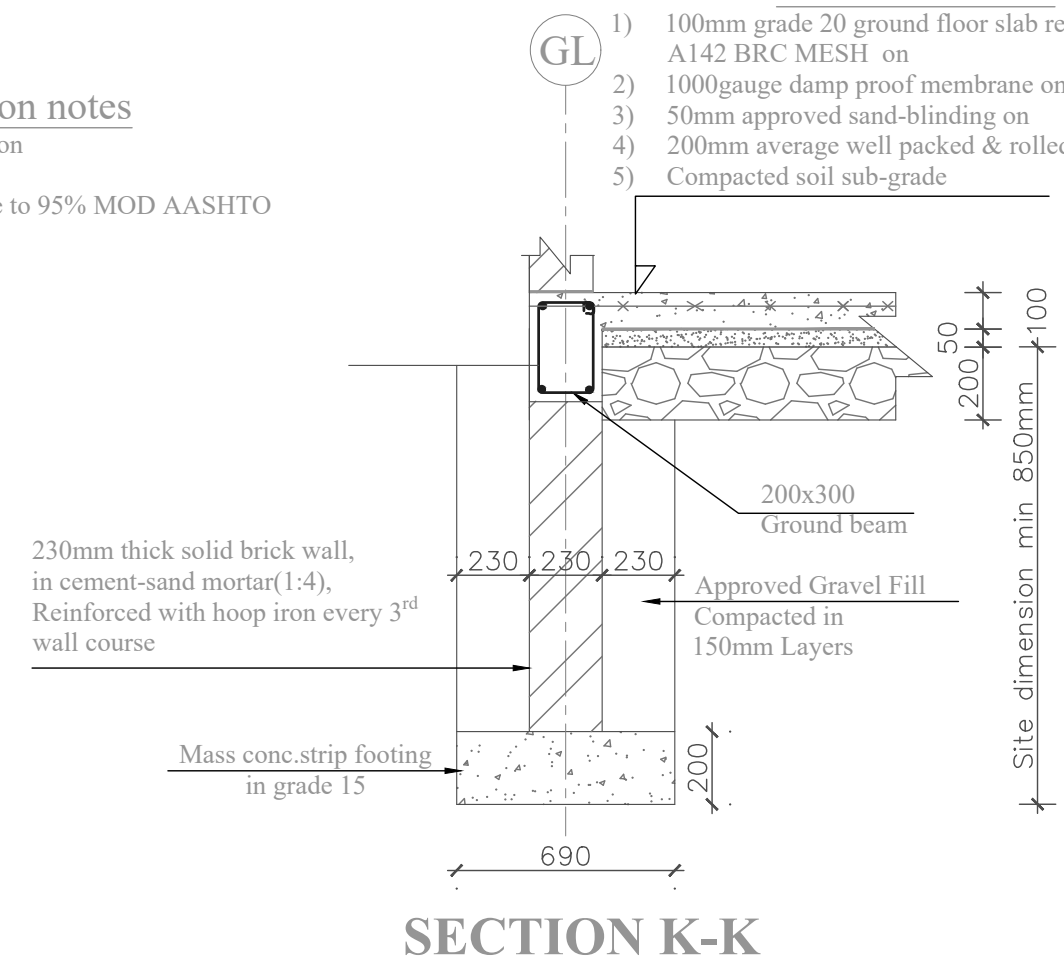


Foundation notes

- 1) Grade 25 RC footing on
- 2) 50mm Blinding on
- 3) Compacted Sub-grade to 95% MOD AASHTO

Foundation notes


- 1) 100mm grade 20 ground floor slab reinforced with A142 BRC MESH on
- 2) 1000gauge damp proof membrane on
- 3) 50mm approved sand-blinding on
- 4) 200mm average well packed & rolled hardcore on
- 5) Compacted soil sub-grade



| AMENDMENTS | | |
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| No | Date | Revision |
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 9. ALL MANHOLES WITHIN BUILDING AREA, DRIVEWAY AND PARKING TO HAVE HEAVY DUTY AIR TIGHT COVERS AND DOUBLE SEALED.
 10. PROVIDE G.I. 125 x 100 RAINWATER DOWN PIPES AND 125 x 100 G.I.BOX GUTTER WITH BRACKETS ETC. WHERE SHOWN.
 11. ALL PAINTING TO BE 3 COATS.
 12. SPLASH APRON OF 600MM ALONG THE PERIMETER OF BUILDING.
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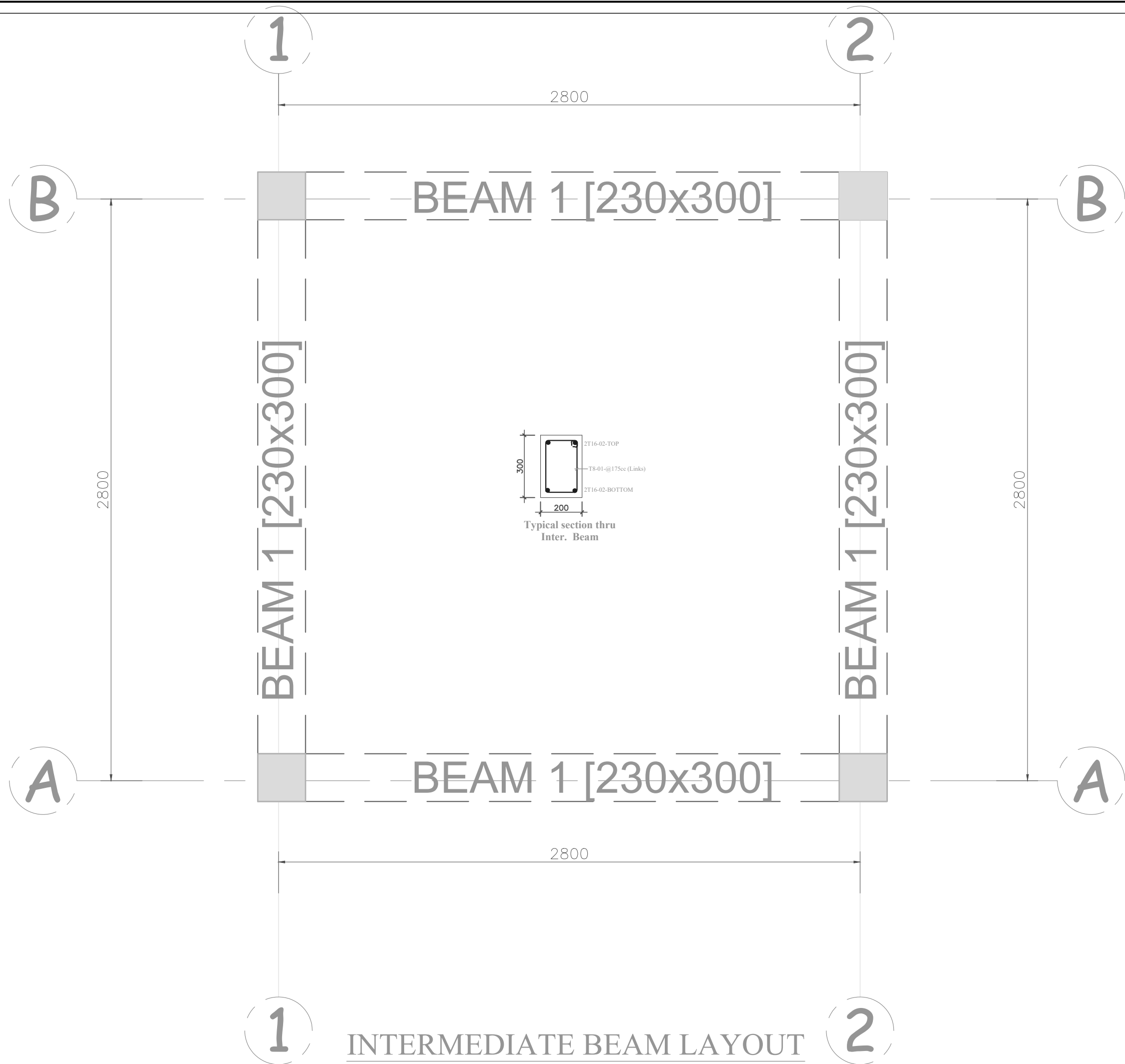


GOAL-KAMPALA
Procurement and Logistics Department
Plot 1 Lubbock Road, La Palm Building, Muyenga-Kampala
P.O Box 33140 Uganda, Kampala
Email: procurement@goal.org

Project:
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

Drawing Title:
Reservoir
Foundation & Column Details

| | | |
|-------------------------------|------------------|---------------------|
| Scale: AS SHOWN | Designed: | |
| Date: February/2025 | Drawn: | PLA |
| Drg No: GKA [-]-08 | Checked: | Infrastructure Team |
| | Approved: | JSK |




INTERMEDIATE BEAM LAYOUT

| AMENDMENTS | | |
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| No | Date | Revision |
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| | | |
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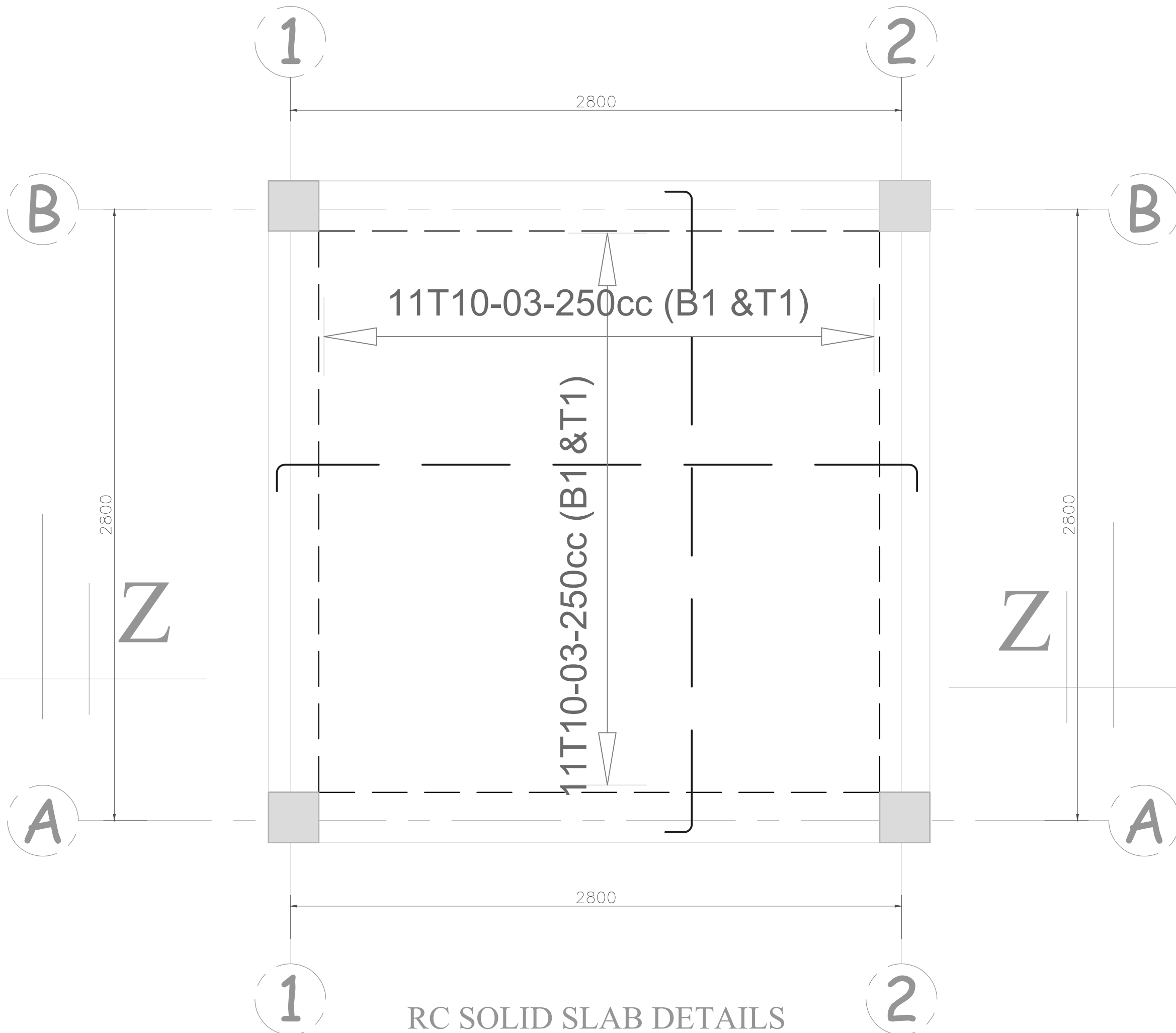
GOAL-KAMPALA
Procurement and Logistics Department
Plot 1 Lubboke close, La Palm Building, Muyenga-Kampala
P.O Box 33140 Uganda, Kampala
Email: procurement@goal

Project:
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

Drawing Title:
Reservoir
Intermediate Beam Layout & Details

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|-------------------------------|------------------|---------------------|
| Scale: AS SHOWN | Designed: | |
| Date: February/2025 | Drawn: | PLA |
| | Checked: | Infrastructure Team |
| | Approved: | JSK |


Drg No: GKA [-]-09



| AMENDMENTS | | |
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| No | Date | Revision |
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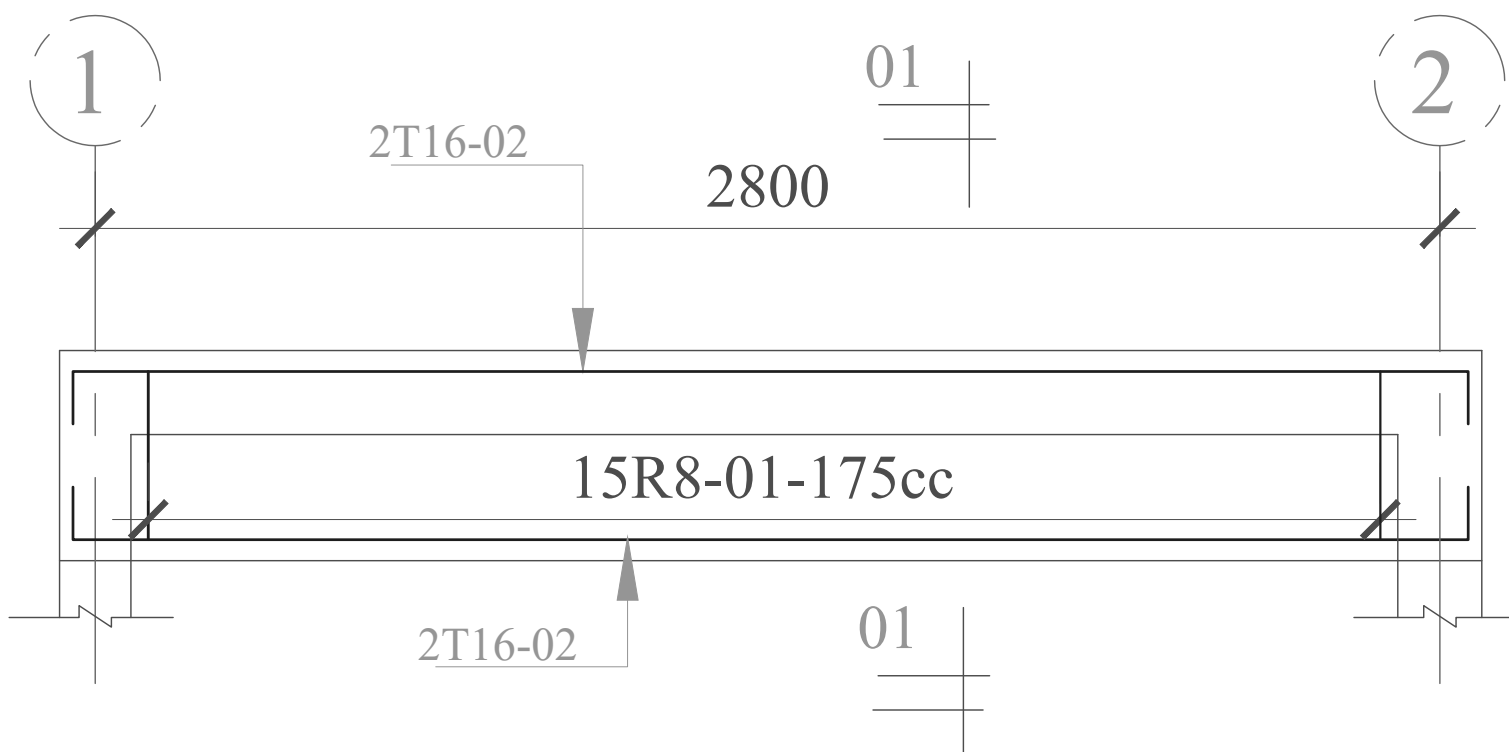
GOAL-KAMPALA
 Procurement and Logistics Department
 Plot 1 Lubboke Road, La Palm Building, Muyenga-Kampala
 P.O Box 33140 Uganda, Kampala
 Email: procurement@goal

Project:
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

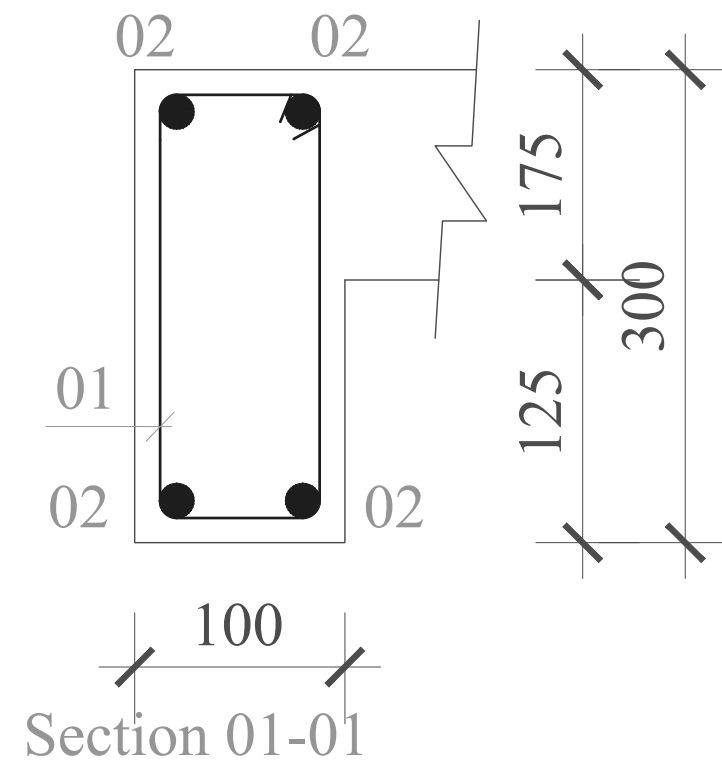
Drawing Title:
Reservoir
 Slab Layout & Details

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| Scale: AS SHOWN | Designed: PLA | |
| Date: February/2025 | Checked: Infrastructure Team | |
| Drg No: GKA [-]-10 | Approved: JSK | |

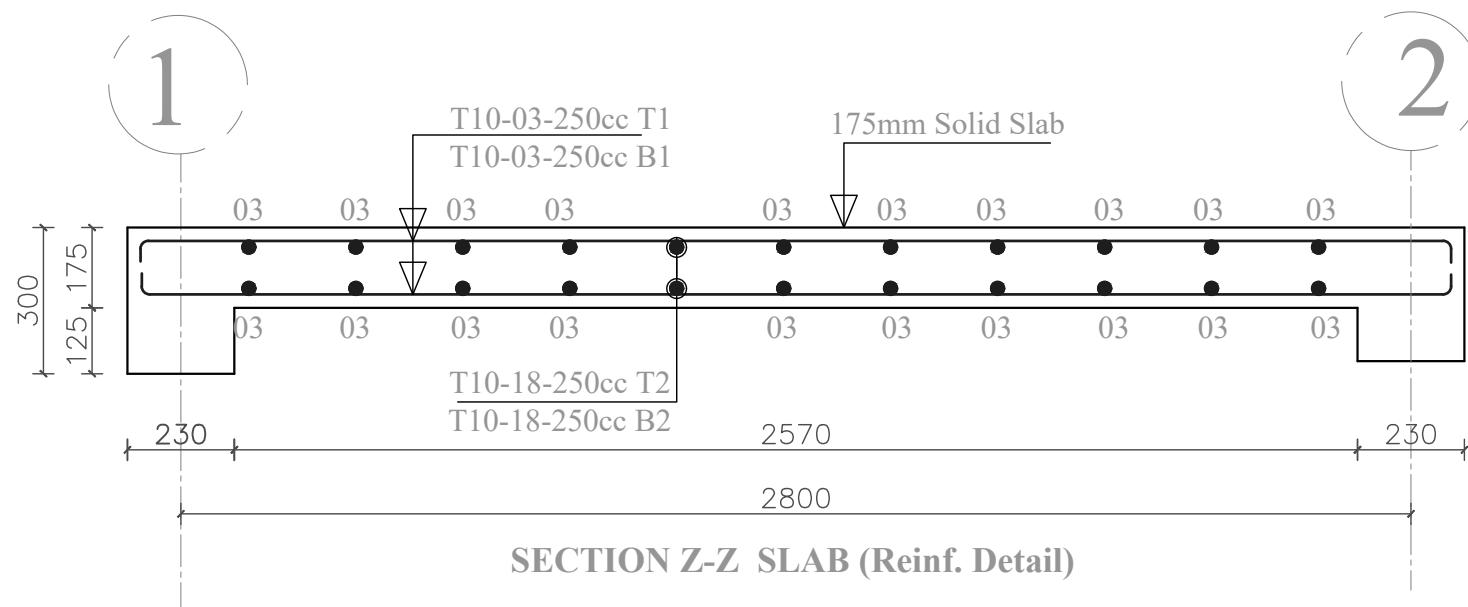
RC SOLID SLAB DETAILS



BEAM 01 [230x300]



Section 01-01



SECTION Z-Z SLAB (Reinf. Detail)

| AMENDMENTS | | |
|------------|------|----------|
| No | Date | Revision |
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GOAL-KAMPALA
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P.O Box 33140 Uganda, Kampala
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Project:

COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

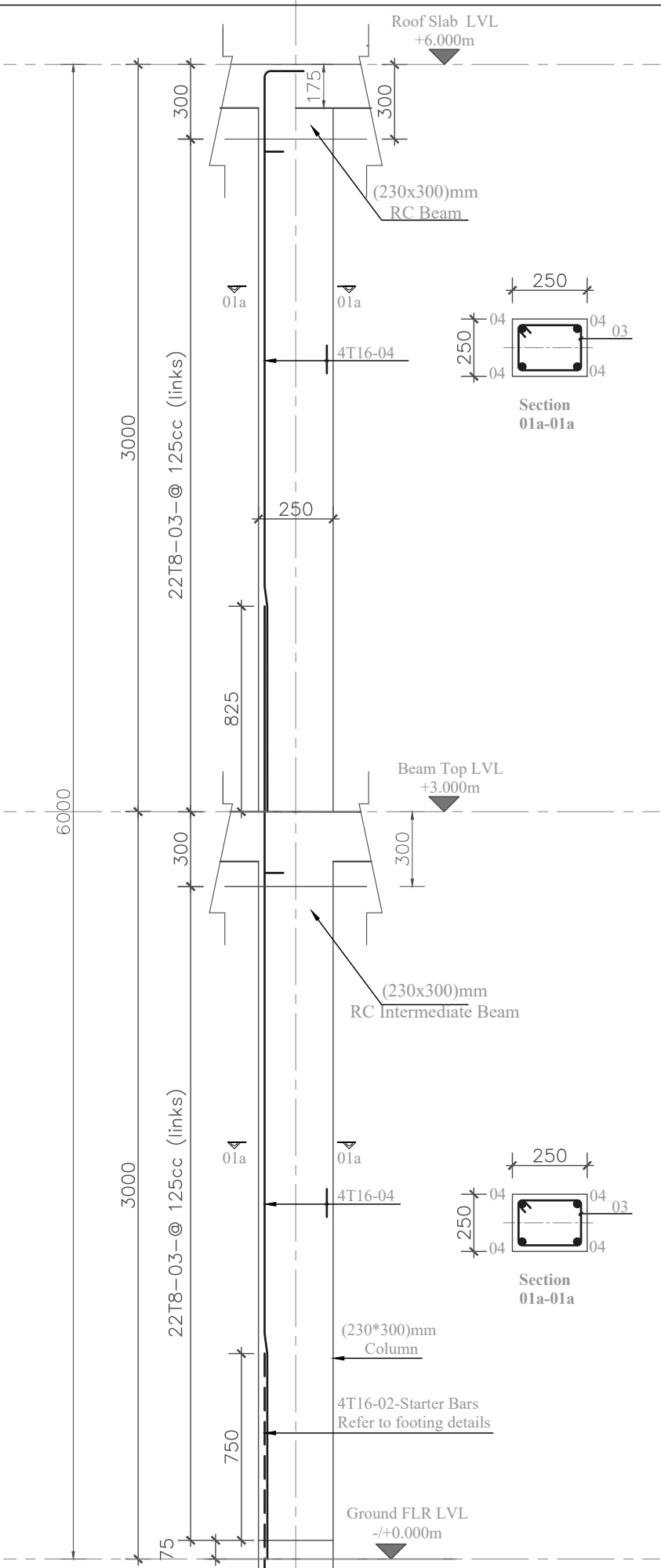
Drawing Title:

Reservoir

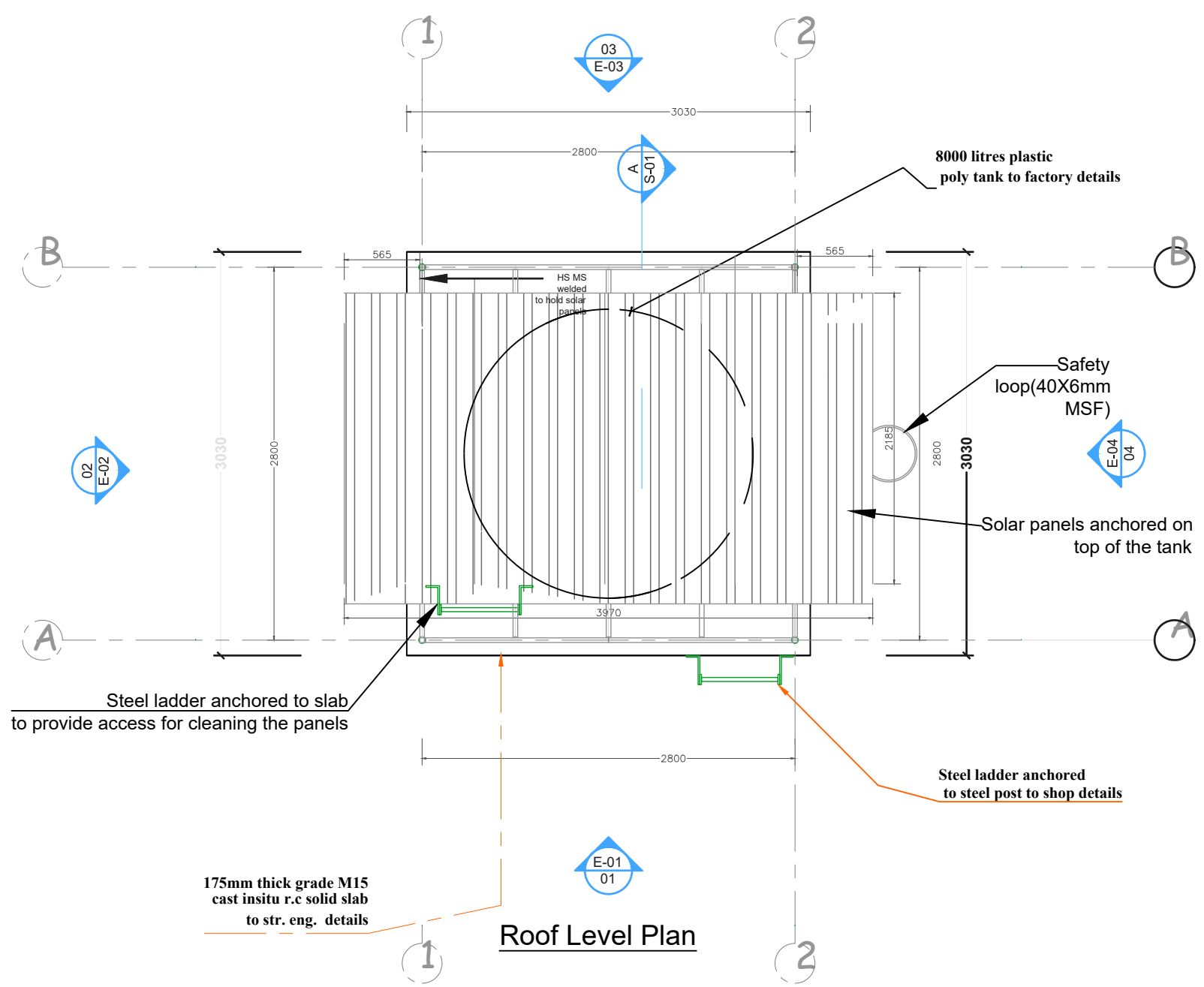
Beam & Slab Section Details

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| Scale: | Designed: | |
| AS SHOWN | Drawn: | PLA |
| Date: | Checked: | Infrastructure Team |
| February/2025 | Approved: | JSK |

Drg No: GKA [-]-11



Column C1
(250X250mm) [04Nos]




Roof Level Plan

| AMENDMENTS | | |
|------------|------|----------|
| No | Date | Revision |
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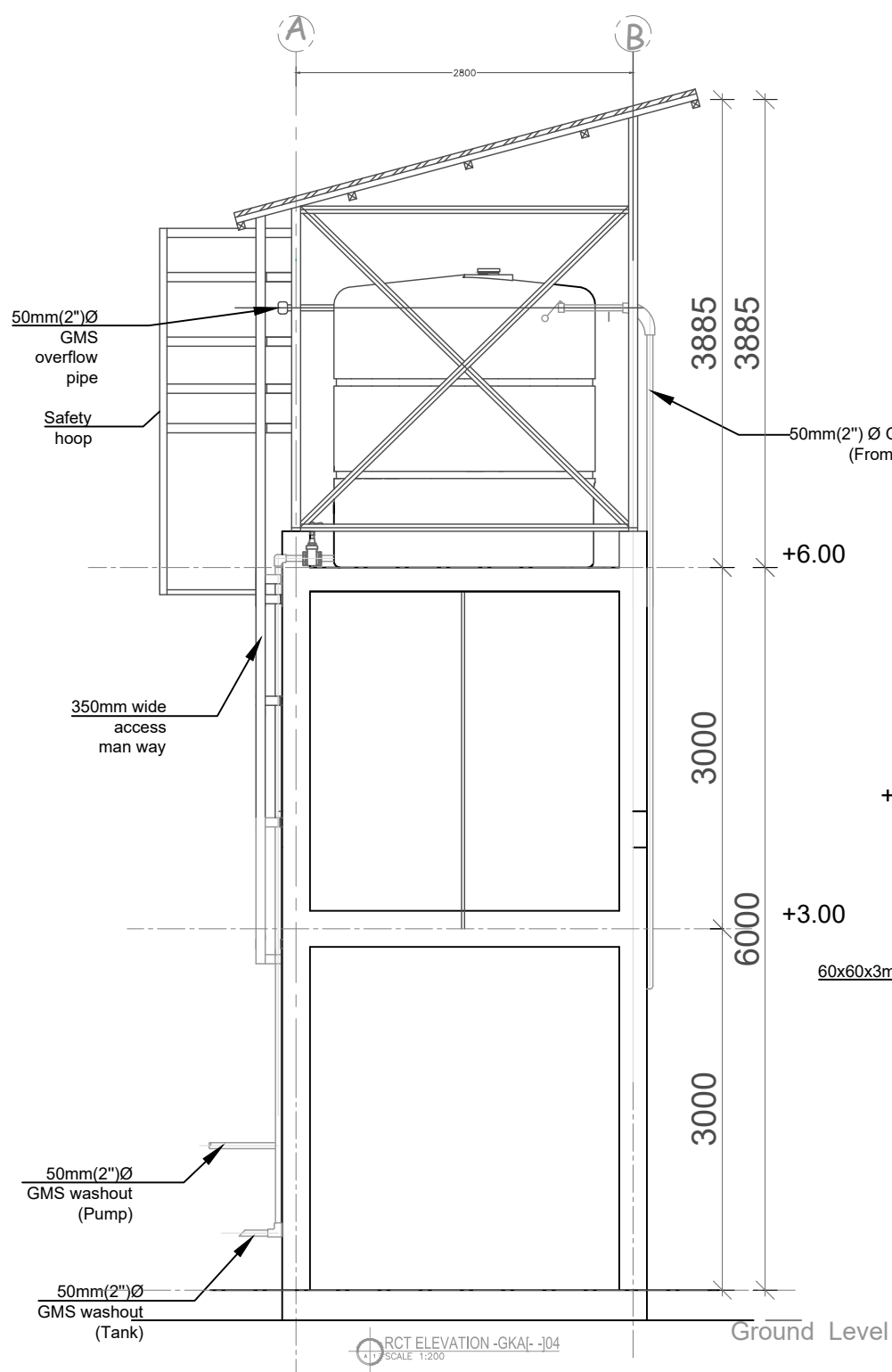
Project:
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

Drawing Title:
Reservoir
Column Details and Roof Plan

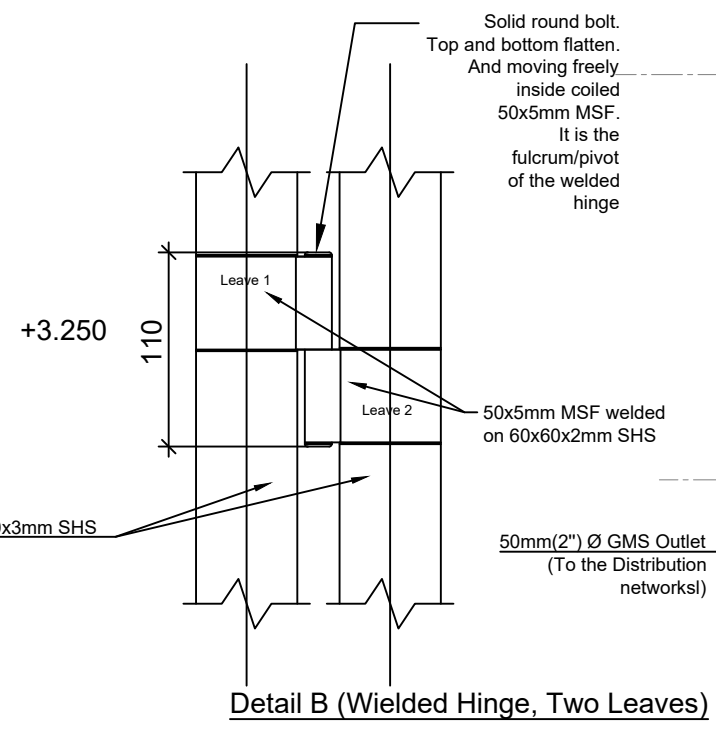
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| Scale: AS SHOWN | Designed: | |
| Date: February/2025 | Drawn: | PLA |
| Drg No: GKA [-]-12 | Checked: | Infrastructure Team |
| | Approved: | JSK |

| AMENDMENTS | | |
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| No | Date | Revision |
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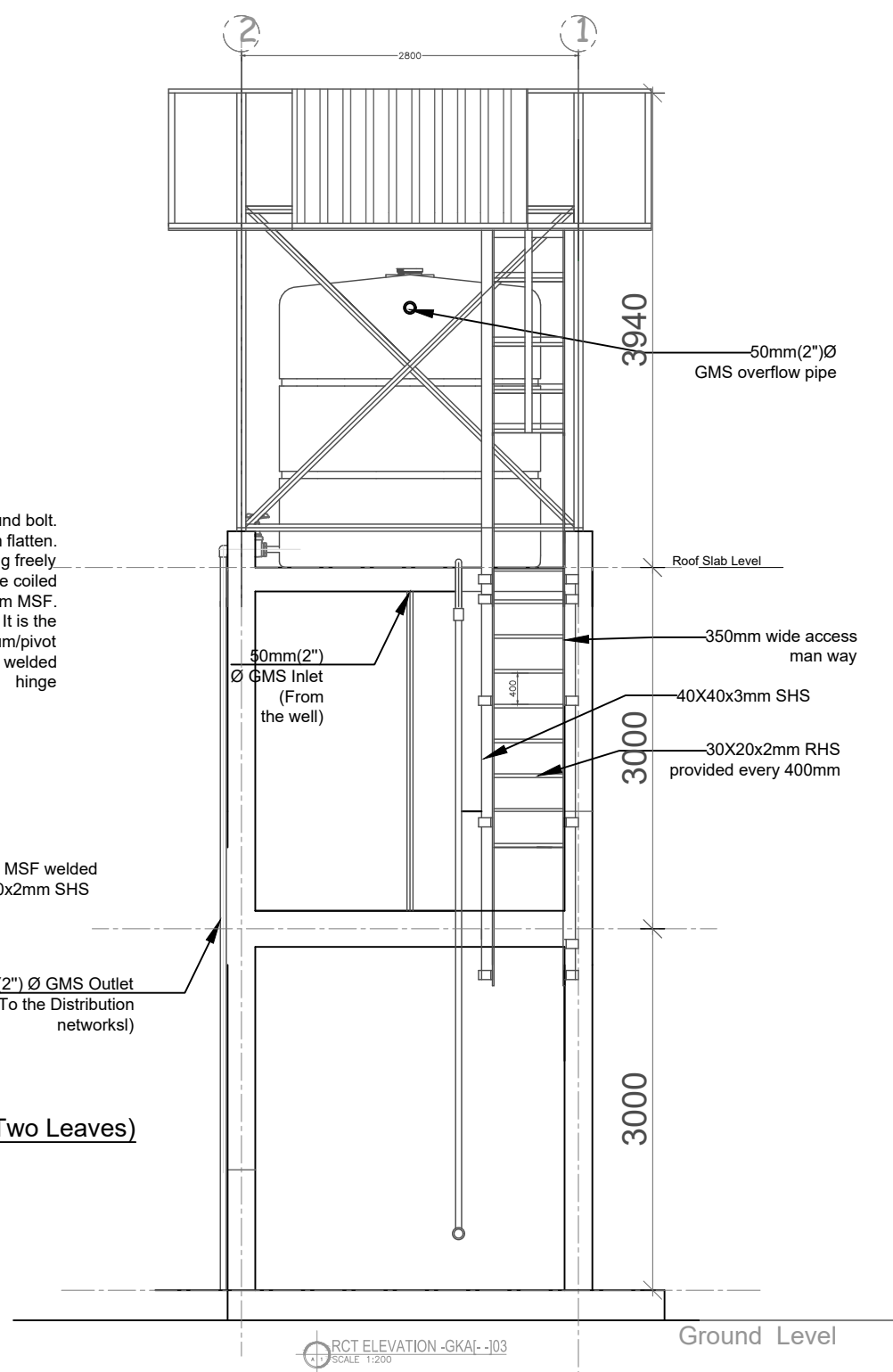
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 - ALL SANITARY WORK TO BE IN ACCORDANCE WITH M.O.H RULES AND REGULATIONS.
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 - DEPTH OF FOUNDATION TRENCHES TO BE A MINIMUM OF 750MM BELOW REDUCED GROUND LEVEL.
 - ALL PIPES AND SERVICES TO BE AT A MINIMUM OF 450MM BELOW REDUCED GROUND LEVEL.



RCT ELEVATION -GKA[-]-04
SCALE 1:200




Detail B (Welded Hinge, Two Leaves)



RCT ELEVATION -GKA[-]-03
SCALE 1:200

Client:

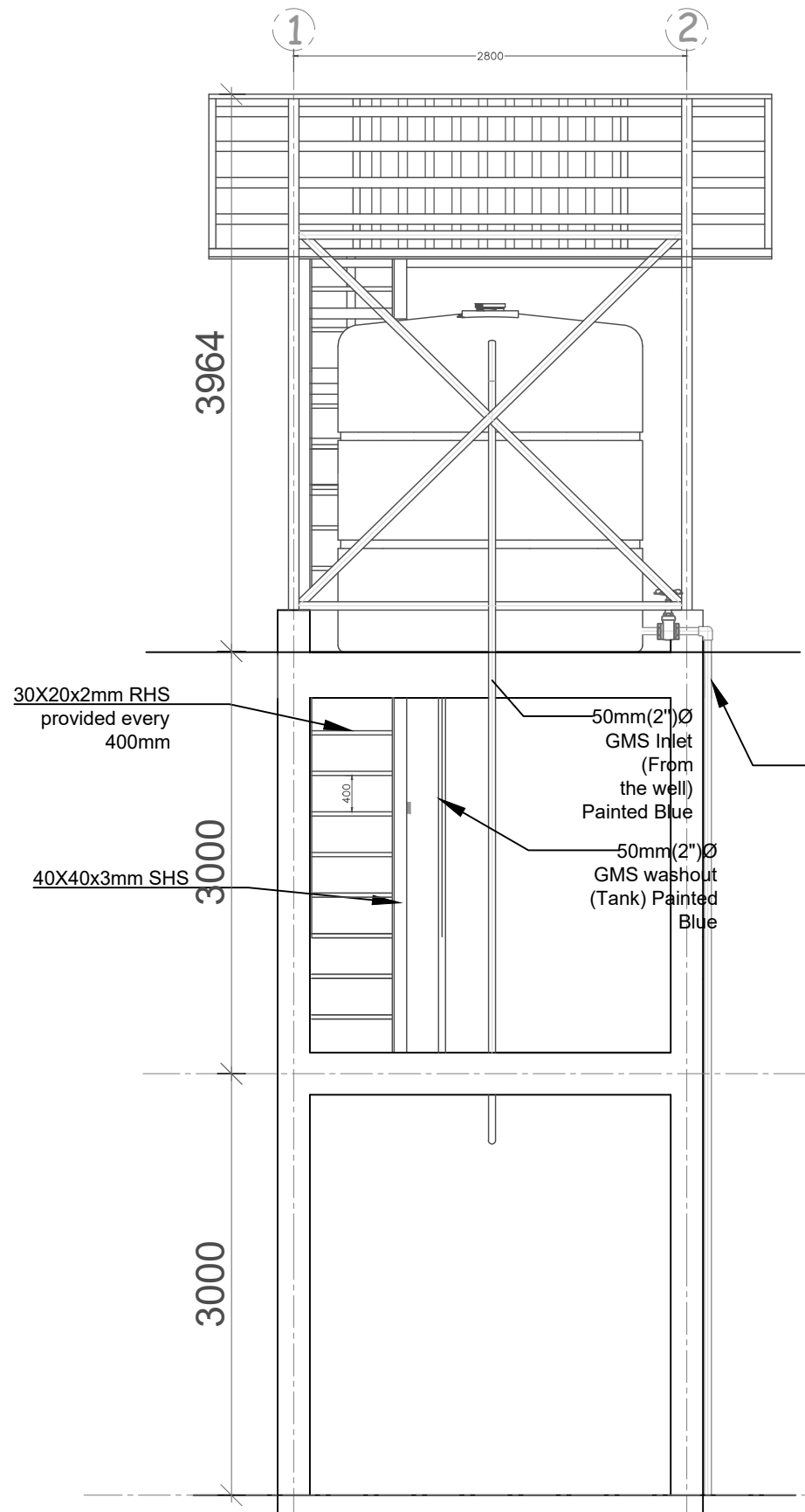


GOAL-KAMPALA
Procurement and Logistics Department
Plot 1 Lubulaba Road, La Palm Building, Muyenga Kampala
P.O. Box 33140 Lubulaba, Kampala
Email: procurement@goal

Project:
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

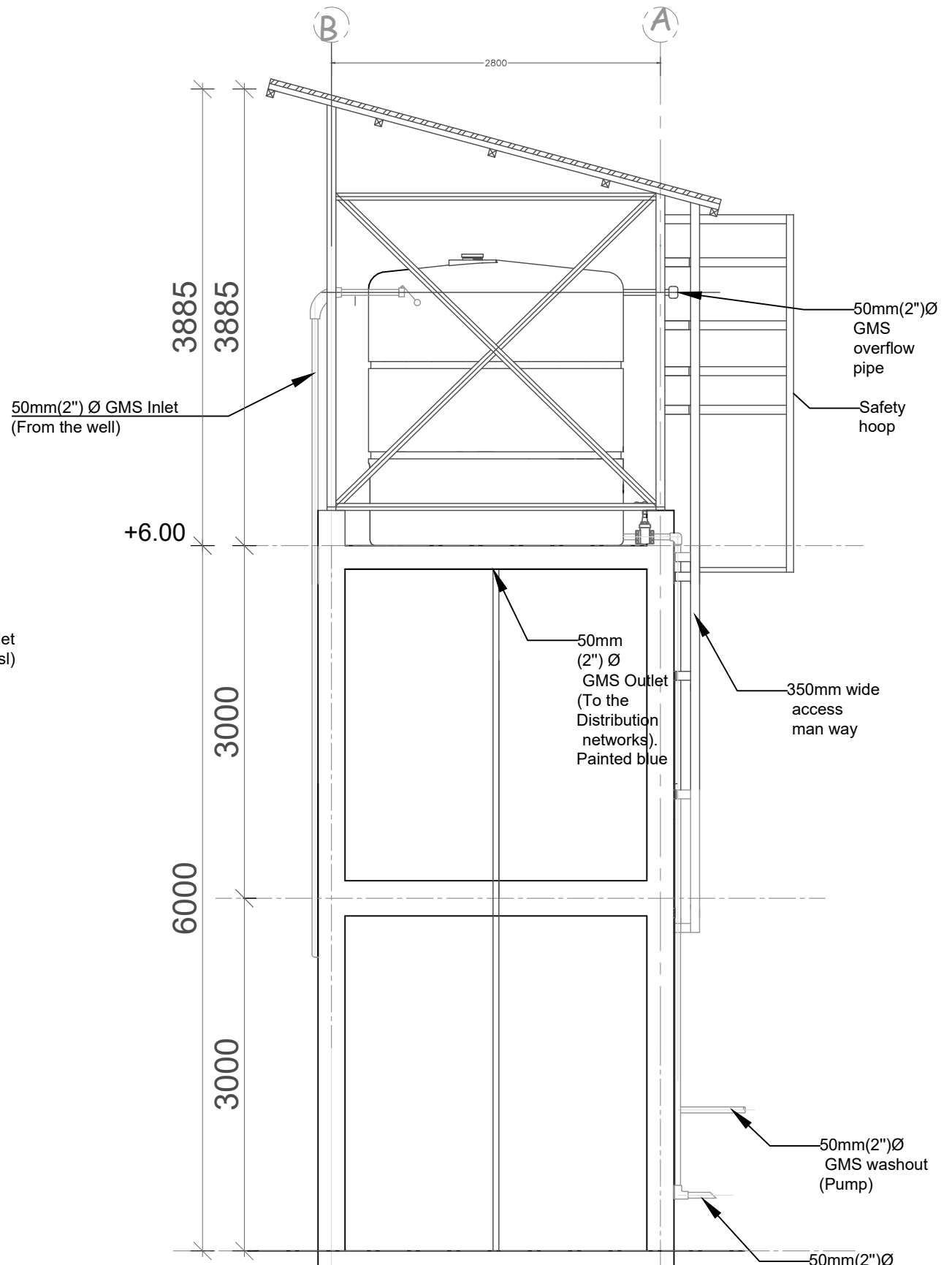
Drawing Title:
Reservoir
RCT Elevations

| | | |
|---------------------------------------|------------------|---------------------|
| Scale: AS SHOWN | Designed: | |
| Date: February/2025 | Drawn: | PLA |
| Drg No: RCT-GKA [-]-03 & 04 | Checked: | Infrastructure Team |
| | Approved: | JSK |



RCT ELEVATION -GKA[-]-01
SCALE 1:200

Ground Level




RCT ELEVATION -GKA[-]-02
SCALE 1:200

Ground Level

| AMENDMENTS | | |
|------------|------|----------|
| No | Date | Revision |
| | | |
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| | | |

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Client:



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Procurement and Logistics Department
Plot 1 Lubwala Road, La Palm Building, Muyenga Kampala
P.O. Box 33140 Uganda, Kampala
Email: procurement@goal

Project:
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

Drawing Title:
Reservoir
RCT Elevations


| | | |
|-------------------------------|------------------|---------------------|
| Scale: AS SHOWN | Designed: | |
| Date: February/2025 | Drawn: | PLA |
| | Checked: | Infrastructure Team |
| | Approved: | JSK |

Drg No: RCT-GKA [-]-01 & 02

| AMENDMENTS | | |
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| No | Date | Revision |
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Client:

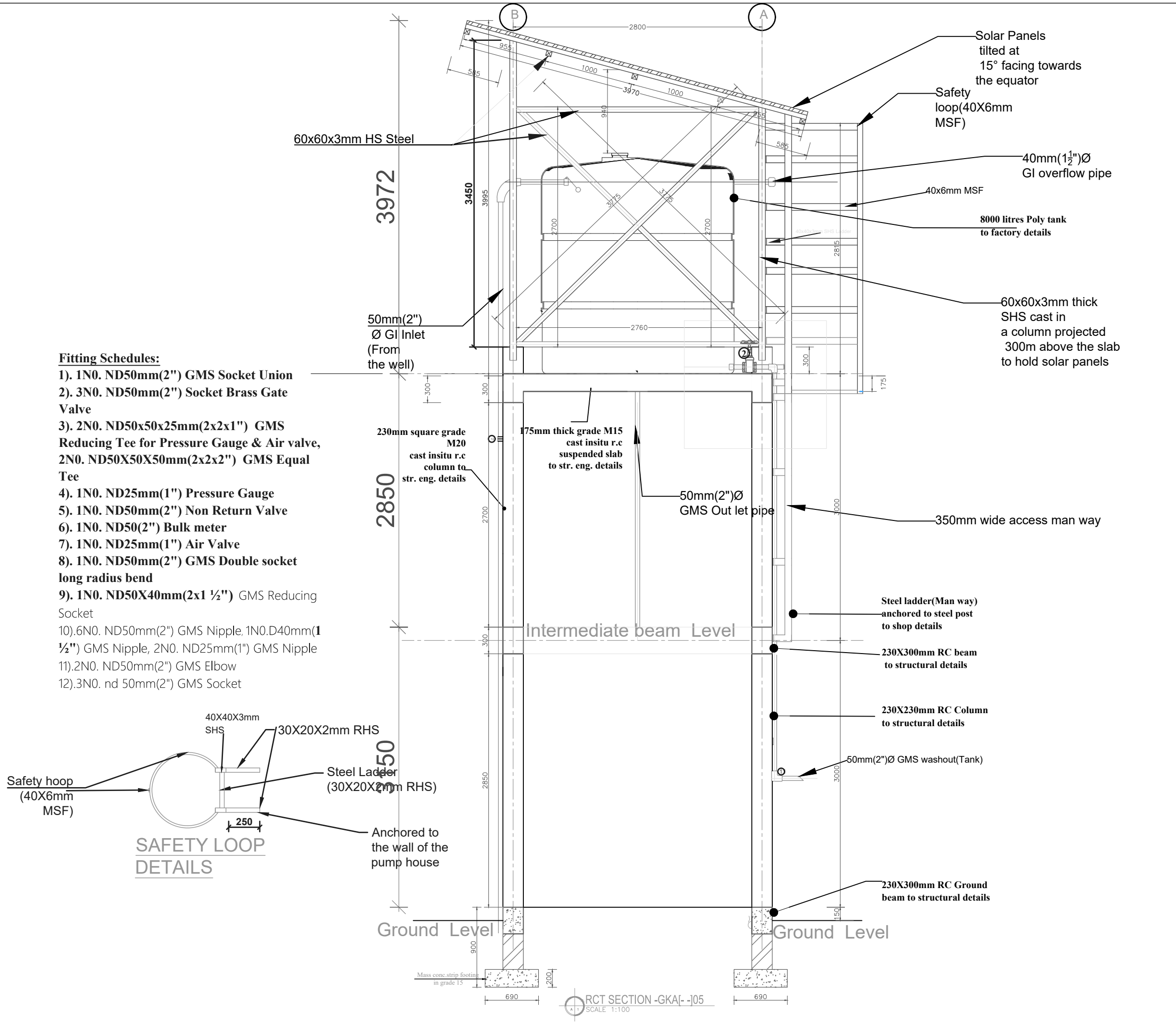


GOAL-KAMPALA
Procurement and Logistics Department
Plot 1 Lubulaba Road, La Palm Building, Muyanga Kampala
P.O. Box 33140 Lubulaba, Kampala
Email: procurement@goal

Project:
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

Drawing Title:
Reservoir
RCT Sections

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| Scale: AS SHOWN | Designed: PLA |
| Date: February/2025 | Checked: Infrastructure Team |
| Drg No: RCT-GKA [-] 05 | Approved: JSK |

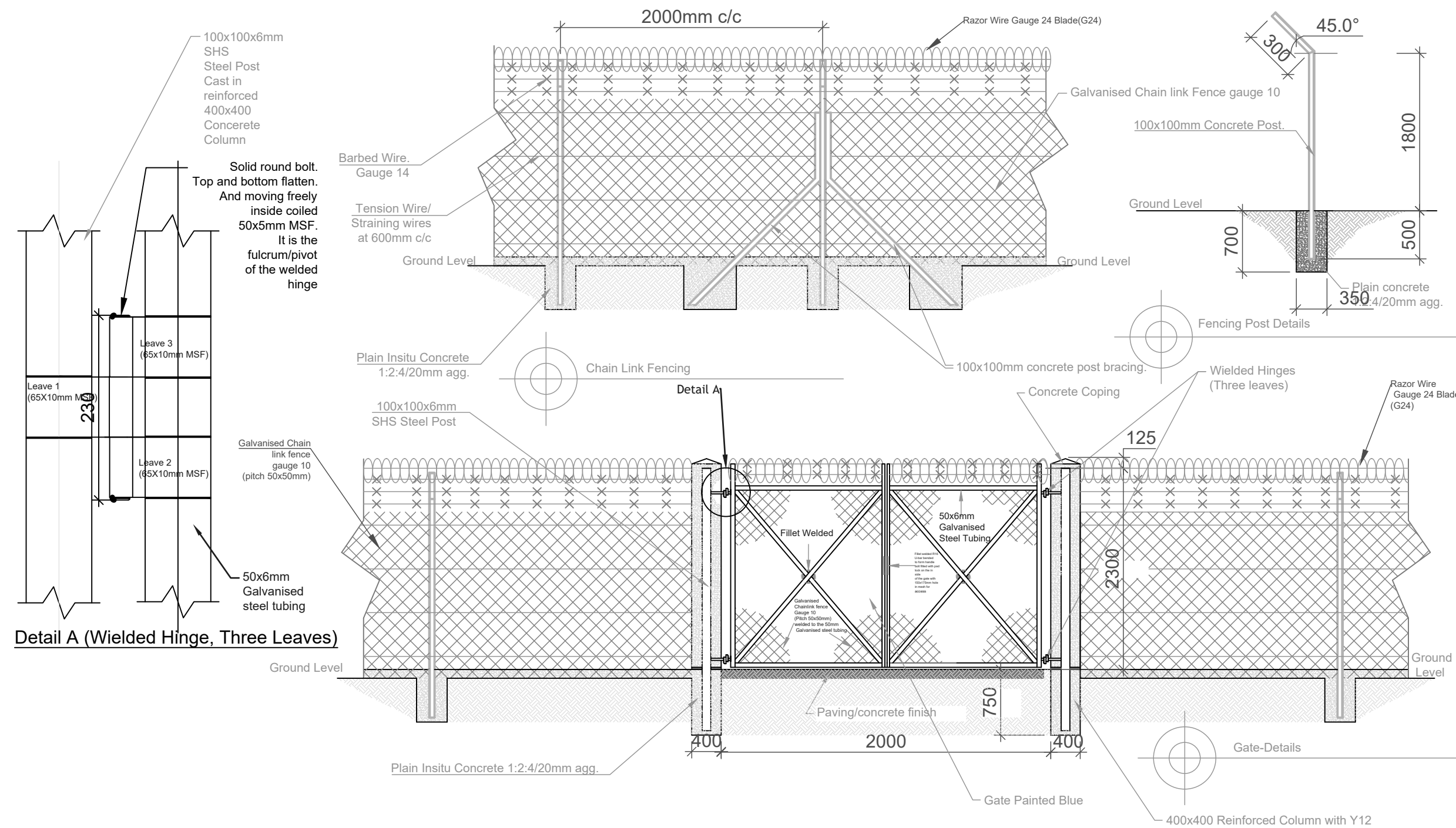


RCT SECTION -GKA[-] 05
SCALE 1:100

| AMENDMENTS | | |
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| No | Date | Revision |
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Detail A (Welded Hinge, Three Leaves)

Client:



GOAL-KAMPALA
Procurement and Logistics Department
Plot 1 Lubowa Road, Le Palm Building, Mayanga Kampala
P.O. Box 33140, Kampala
Email: procurement@goal

Project:
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

Drawing Title:
Intake & Reservoir
Chainlink Fence Details

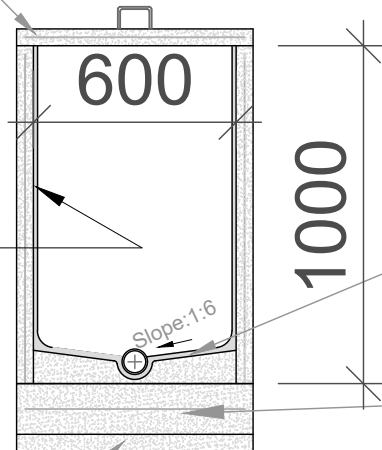
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| Scale: AS SHOWN | Designed: PLA | Drawn: Infrastructure Team |
| Date: February/2025 | Checked: JSK | Approved: JSK |
| Drg No: GKA [-]-15 | | |

| AMENDMENTS | | |
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| No | Date | Revision |
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50mm thick Manhole cover & wall reinforced with wire Mesh G12 in conc. mix 1:2:4

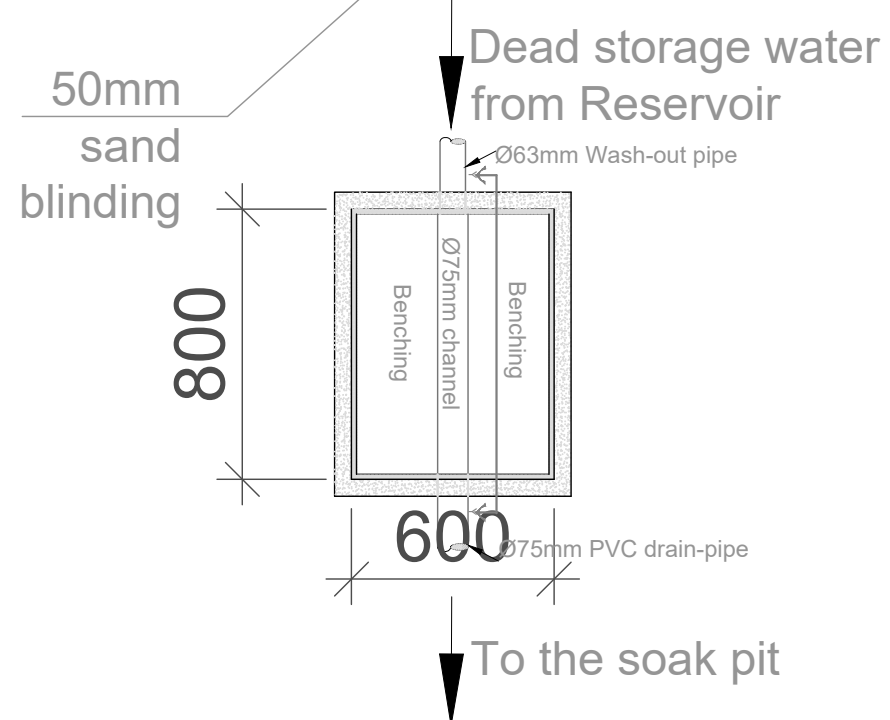
15mm plaster smooth finish



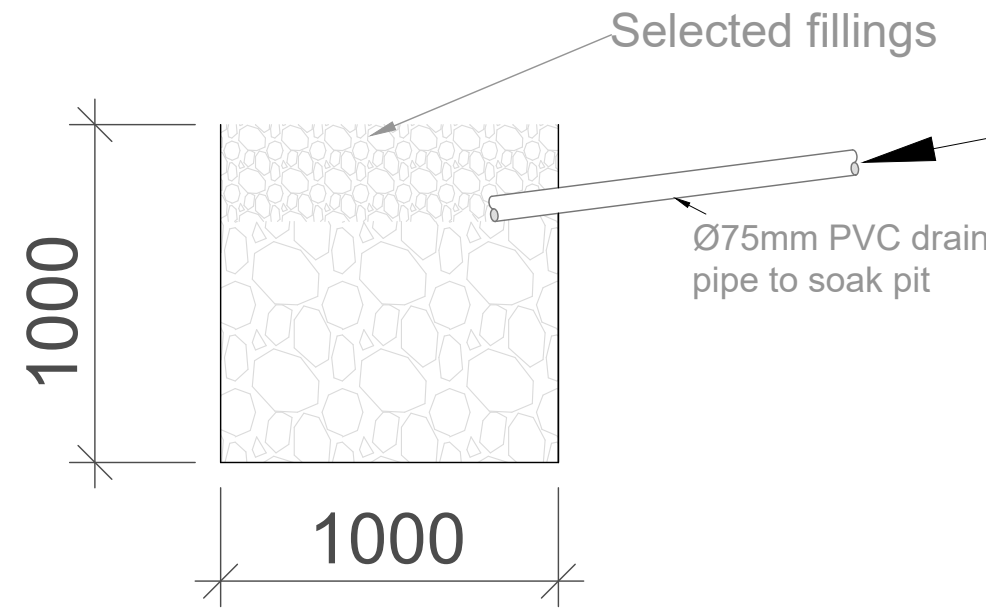
1:3 cement/sand mortar benching to a smooth finish

150mm concrete base(1:2:4 mix) reinforced with wire mesh of G-12(Gauge-12)

SECTION THROUGH Y-Y




MANHOLE DETAILS FOR WASH-OUT DRAINAGE TO SOAKPIT



SOAKPIT DETAILS/CROSS-SECTION

Client:

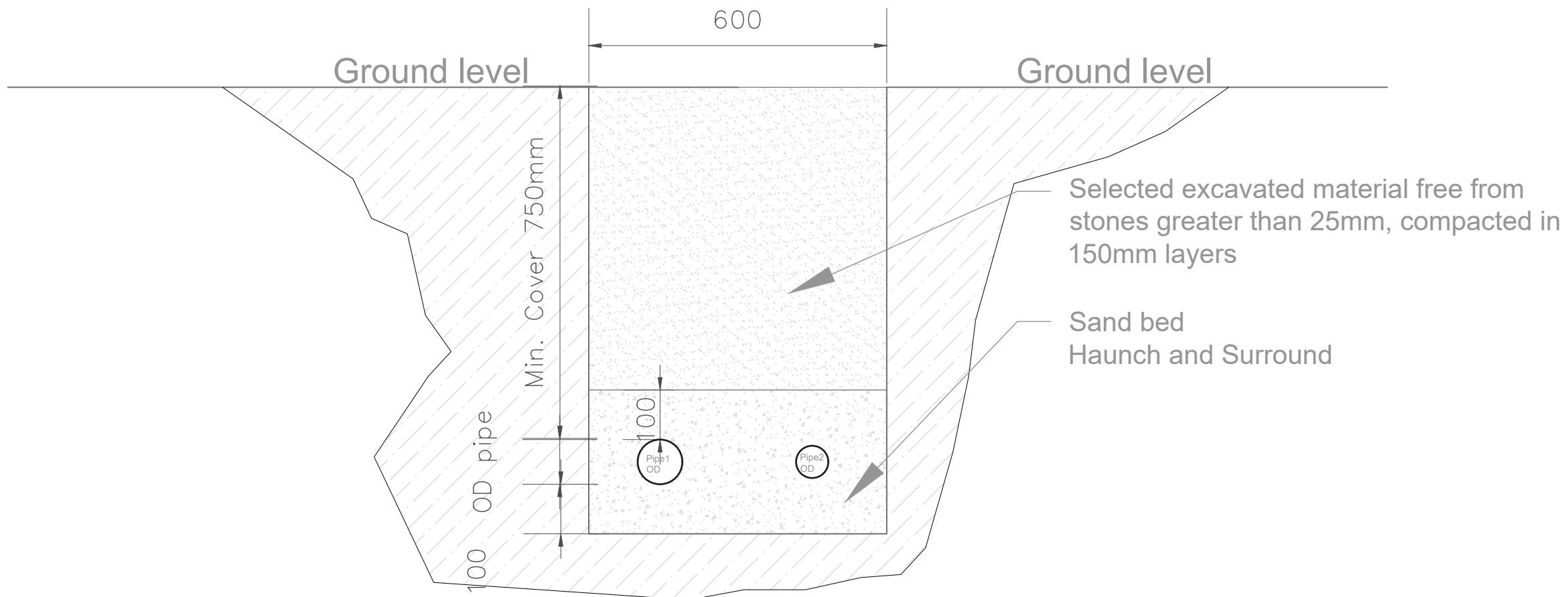


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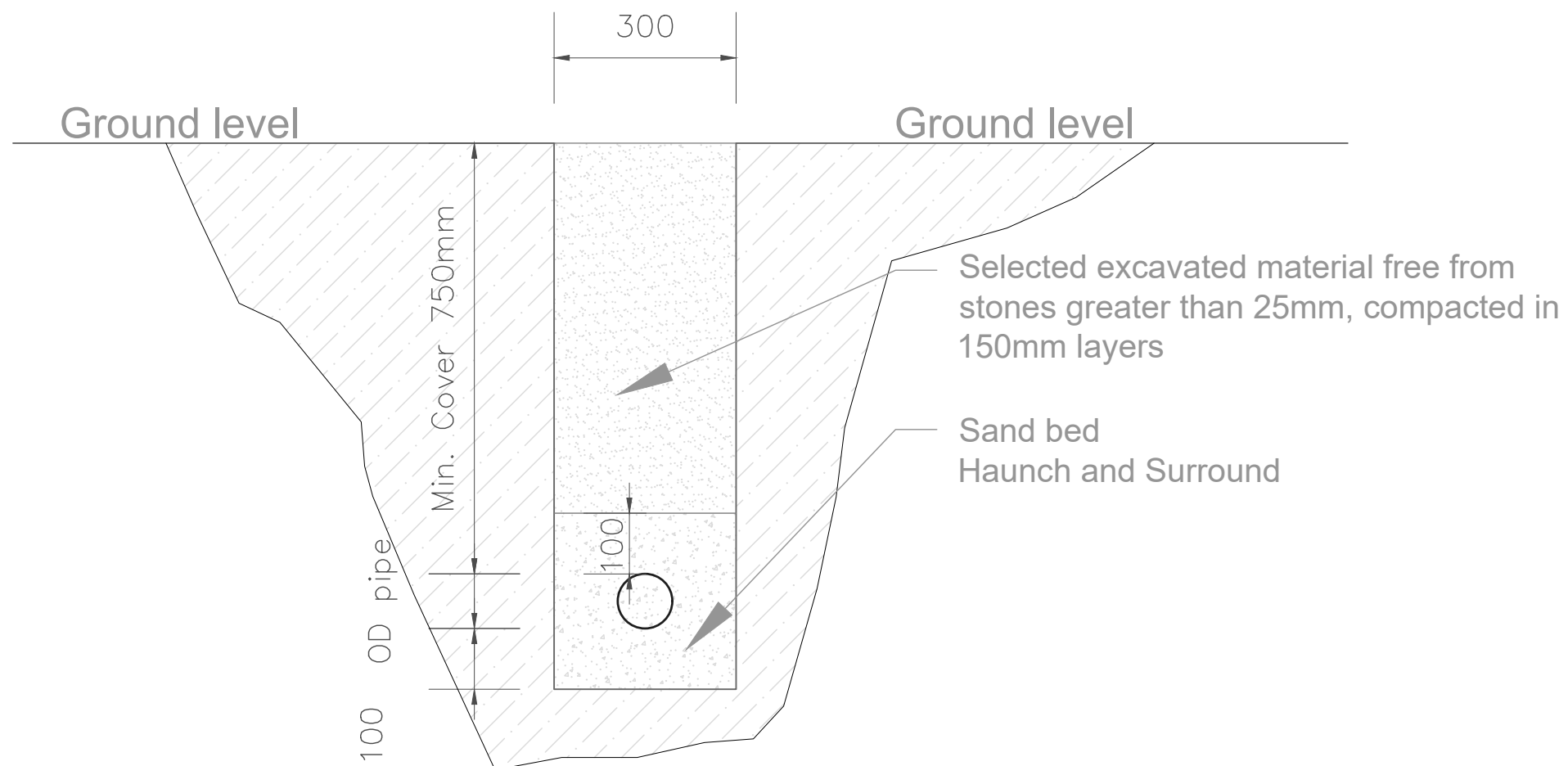
Project:
COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

Drawing Title:
Transmission & Distribution
Manhole Details

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| Scale: AS SHOWN | Designed: | |
| Date: February/2025 | Drawn: | PLA |
| Drg No: GKA [-]-16 | Checked: | Infrastructure Team |
| | Approved: | JSK |



TWIN PIPE BEDDING DETAIL-B



SINGLE PIPE BEDDING DETAIL-A

| AMENDMENTS | | |
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| No | Date | Revision |
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 Email: procurement@goal

Project:

COMMUNITY TAP STAND STANDARD DESIGN FOR KAABONG DISTRICT

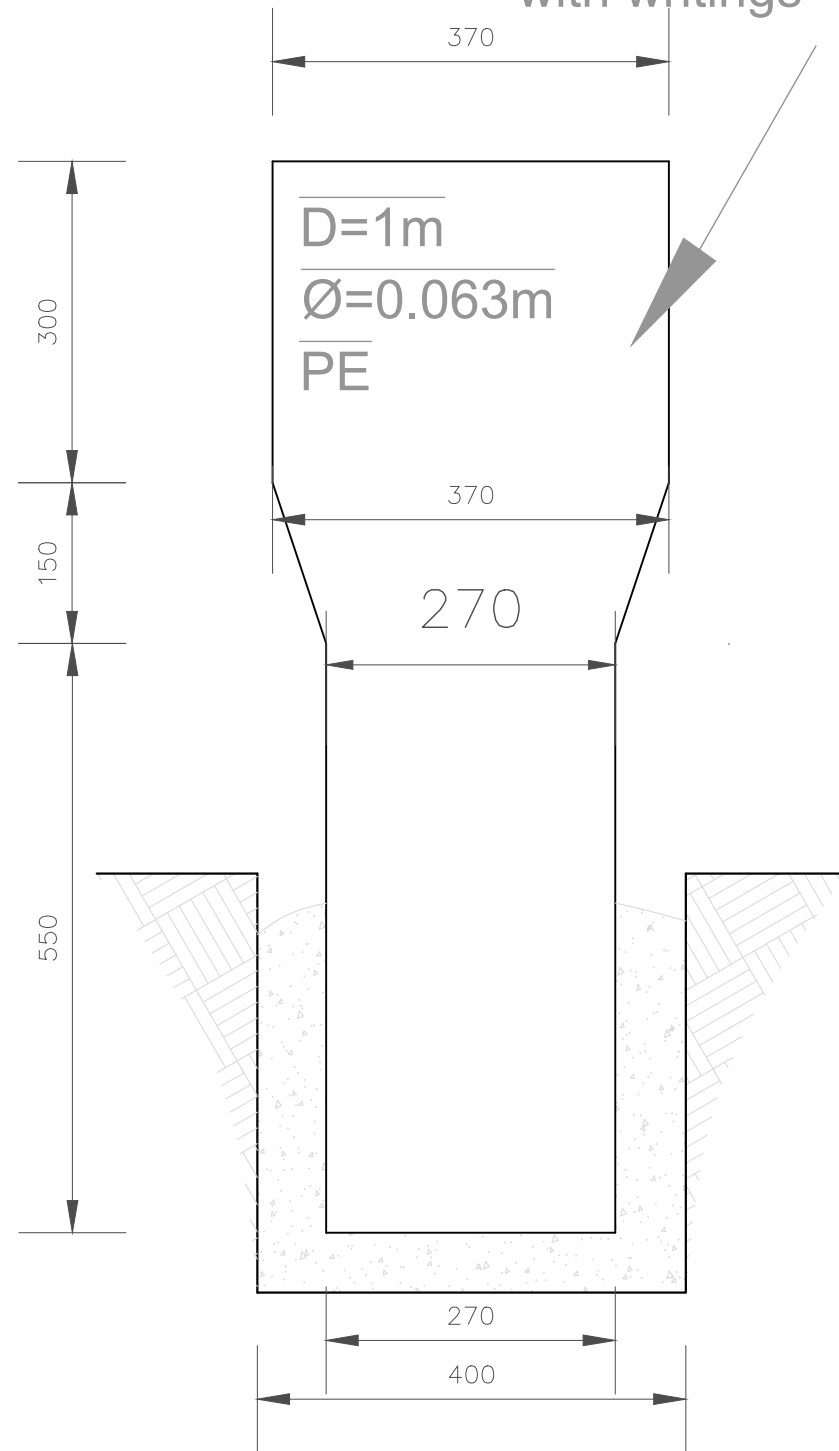
Drawing Title:

Transmission & Distribution
 Trench & Pipe Bedding details

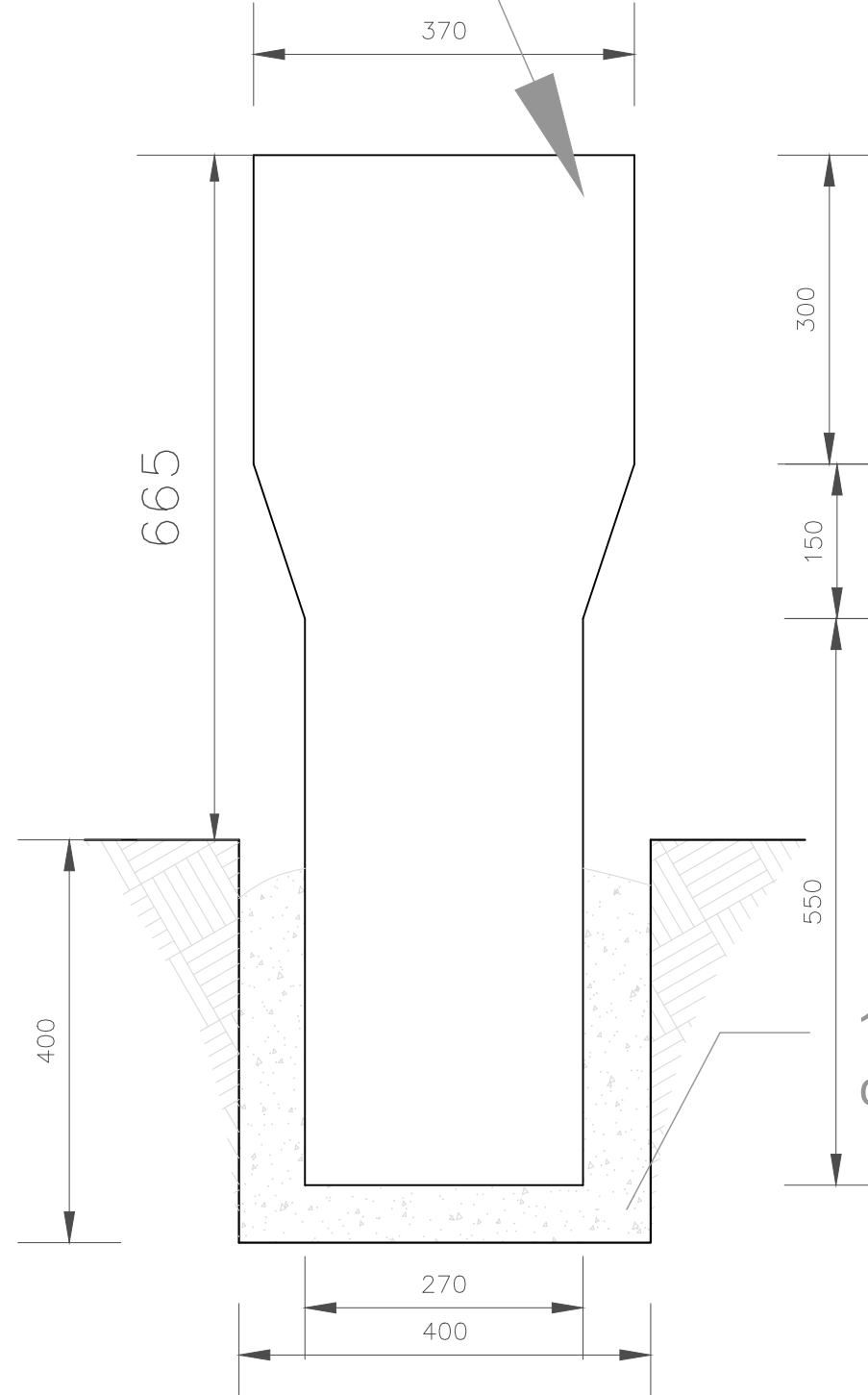
| | | |
|---------------|------------------|---------------------|
| Scale: | Designed: | |
| AS SHOWN | Drawn: | PLA |
| Date: | Checked: | Infrastructure Team |
| February/2025 | Approved: | JSK |

Drg No: GKA [-]-17

Precast Concrete Marker
 painted white with Plate engraved
 with writings



FRONT VIEW



BACK VIEW

MARKER POST ELEVATION

1:2:4 mass
 concrete 20N/mm²

| AMENDMENTS | | |
|------------|------|----------|
| No | Date | Revision |
| | | |
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| | | |

GENERAL NOTES;

- ALL DIMENSIONS TO BE CHECKED ON SITE. WRITTEN DIMENSIONS TO BE FOLLOWED IN PREFERENCE TO SCALED DIMENSIONS.
- ALL WALLS LESS THAN 200MM THICK TO BE REINFORCED WITH HOOP IRON AT EVERY ALTERNATE COURSE.
- ALL REINFORCED CONCRETE WORK IS TO BE IN ACCORDANCE WITH STRUCTURAL ENGINEER'S DETAILS.
- ALL SANITARY WORK TO BE IN ACCORDANCE WITH M.O.H RULES AND REGULATIONS.
- WHERE DRAIN PASSES UNDER BUILDING OR DRIVEWAY AREA, PIPE TO BE OF CAST IRON OR ENCASED IN 150MM CONCRETE.
- ALL WASTE PIPES AND SOIL PIPES ARE TO BE IN DUCTS AND THE BENDS TO HAVE ALL CLEANING EYES ACCESSIBLE FROM OUTSIDE.
- ALL WINDOWS AND EXTERNAL GLAZED DOORS ON GROUND FLOOR TO HAVE BURGLAR PROOFING TO DETAILS.
- ALL INTERNAL PLASTER TO BE TWO COATS STEEL FLOAT FINISHED.
- ALL MANHOLES WITHIN BUILDING AREA, DRIVEWAY AND PARKING TO HAVE HEAVY DUTY AIR TIGHT COVERS AND DOUBLE SEALED.
- PROVIDE G.I. 125 x 100 RAINWATER DOWN PIPES AND 125 x 100 G.I. BOX GUTTER WITH BRACKETS ETC. WHERE SHOWN.
- ALL PAINTING TO BE 3 COATS.
- SPLASH APRON OF 600MM ALONG THE PERIMETER OF BUILDING.
- SAMPLES OF FITTINGS, MATERIALS ETC. TO BE PRODUCED & APPROVED BEFORE COMMENCING WORK.
- ALL WINDOWS TO HAVE P.C. CILLS, BUILT IN REINFORCED CONCRETE PELMET BOXES & TIMBER INTERNAL WINDOW CILLS & SKIRTINGS.
- FIRE FIGHTING EQUIPMENT TO BE PROVIDED AND INSTALLED BY BUILDING FIRE CONSULTANTS WHERE SHOWN ON PLAN.
- THE ENGINEER SHALL NOT ACCEPT ANY LIABILITY FOR WORKS WHICH HE HAS NOT BEEN EXPRESSLY INSTRUCTED TO SUPERVISE IN WRITING AND HAS ACCEPTED TO PROCEED IN WRITING, OR FOR ANY OMISSIONS OR DEVIATIONS FROM HIS DRAWINGS/TECHNICAL SPECIFICATIONS. NOR SHALL HE TAKE RESPONSIBILITY FOR WORKS HANDLED BY OTHER NOMINATED CONSULTANTS OR CONTRACTORS.
- D.P.C DENOTES ONE LAYER OF BITUMINOUS FELT TO BE PROVIDED UNDER ALL WALLS AT LEAST 150MM ABOVE GROUND LEVEL.
- CONTRACTORS MUST VERIFY ALL DIMENSIONS AND LEVELS ON SITE BEFORE COMMENCEMENT OF WORKS. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER/CONSULTANT BEFORE ANY WORKS EXECUTION.
- ALL LEVELS SHOWN AT FINISHED LEVELS UNLESS OTHERWISE STATED.
- ALL SURFACE BEDS TO BE CAST ON WELL-COMPACTED & WELL-CONSOLIDATED MURRUM OR SAND INFILL WHERE APPLICABLY STATED.
- ALL CONSTRUCTION WORKS TO COMPLY WITH THE LATEST B.S STANDARD CODES OF PRACTICE, LOCAL AUTHORITY BYLAWS AND FIRE REGULATIONS.
- DEPTH OF FOUNDATION TRENCHES TO BE A MINIMUM OF 750MM BELOW REDUCED GROUND LEVEL.
- ALL PIPES AND SERVICES TO BE AT A MINIMUM OF 450MM BELOW REDUCED GROUND LEVEL.

Client:



GOAL-KAMPALA
 Procurement and Logistics Department
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Project:
**COMMUNITY TAP STAND STANDARD DESIGN
 FOR KAABONG DISTRICT**

Drawing Title:
Transmission & Distribution
 Marker Post details

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Drg No: GKA [-]-18