

- CONCRETE NOTES:**
1. READ THIS DRAWING IN CONJUNCTION WITH THE ARCHITECT'S DRAWING AND REFER DISCREPANCIES TO THE ENGINEER IMMEDIATELY. USE STATED OR CALCULATED DIMENSIONS ONLY.
  2. CONCRETE GRADE:
    - BLINDING: 150MPa
    - ALL CONCRETE ELEMENTS = 20MPa. (MAX AGGREGATE SIZE = 19MM)
  3. FOUNDATIONS:
    - PAD FOOTINGS & STRIP FOOTINGS
    - COVER TO REINFORCEMENT:
      - FOUNDATIONS, RETAINING WALLS-50mm
      - COLUMNS, BEAMS, SLABS, STAIRCASES-30mm
      - 6. MIN ALLOWABLE BEARING PRESSURE-150MPa
  4. COVER TO REINFORCEMENT:
    - FOUNDATIONS, RETAINING WALLS-50mm
    - COLUMNS, BEAMS, SLABS, STAIRCASES-30mm
    - 6. MIN ALLOWABLE BEARING PRESSURE-150MPa
  7. BRICKWORK:
    - ALL BRICKWORK TO SANS 10400-K: 2011
    - ALL LOAD BEARING BEARING BRICKWORK TO BE MIN. 7MPa
    - WATER ABSORPTION TO BE LESS THAN 10% AND IRREVERSIBLE
    - MOISTURE EXPANSION TO BE 0.05% MAX
    - THE MINIMUM COMPRESSIVE STRENGTH OF MORTAR SHALL BE AS FOR CLASS II MORTAR IN ACCORDANCE WITH TABLE 1 SABS 0184 PART 1-1980
    - BRICKWORK SHALL BE REINFORCED WITH AN APPROVED RICK FORCE, EVERY LAYER FOR THE FIRST 3 LAYERS ABOVE ANY HORIZONTAL CONCRETE SURFACE, EVERY LAYER FOR LAYERS BELOW ANY HORIZONTAL CONCRETE SURFACE AND EVERY 4TH LAYER IN BETWEEN. MIN LAP 200MM
    - WIRE TIES FOR CAVITY WALLS TO SANS 2001-CM1-2011 & SANS 028: 2010
    - ALL 220 BRICKWORK SHOWN IS LOAD BEARING, UNLESS OTHERWISE INDICATED.
    - SEE ARCHITECTURAL DRAWINGS FOR GENERAL LAYOUT OF BRICKWORK
    - ALL BRICK ANCHORS, WALL TIES AND STRAPS SHALL BE HOT DIPPED GALVANIZED
    - V JOINTS ARE TO BE MADE IN PLASTER WORK WHERE BRICKWORK COME INTO CONTACT WITH STRUCTURAL ELEMENTS OF DIFFERENT MATERIALS. ISOLATE THE DIFFERENT ELEMENTS WITH 12MM WIDE JOINTEX ALL SIDES
    - NON LOAD BEARING BRICKWORK TO BE BUILT AFTER CONSTRUCTION OF STRUCTURAL ELEMENTS
    - BRICKS TO BE WETTED BEFORE USE
    - WALL JOINTS MUST BE REPEATED IN ALL TILED FINISHES.
    - BRICK WALLS TO BE TIED TO THE COLUMNS WITH 2x30MM WIDE 1.8MM THICK GALVANIZED HOOP IRON TIES AT EVERY 4TH COURSE. FIX THE TIES TO THE COLUMNS BEFORE LAYING THEM IN MORTAR JOINTS. MIN HORIZONTAL LENGTH OF HOOP IRON TIES = 700MM.

- NOTES:**
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND CONTRACT SPECIFICATIONS. ANY DISCREPANCIES TO BE BROUGHT TO ENGINEERS ATTENTION PRIOR TO IMPLEMENTATION OF ANY WORK.
  2. CONTRACTOR TO KEEP A FULL SET OF DRAWINGS ON SITE.
  3. CONTRACTOR IS RESPONSIBLE FOR CORRECT SETTING OUT OF BUILDINGS ON SITE WITH PARTICULAR INTEREST TO BOUNDARIES AND BUILDING LINES.
  4. CONTRACTOR TO VERIFY ALL LEVELS AND DIMENSIONS ON SITE.
  5. SCALING OF DRAWINGS IS NOT PERMITTED. FIGURED DIMENSIONS ONLY TO BE USED.
  6. LARGE SCALE DETAILS TO BE USED WHERE AVAILABLE.
  7. CONTRACTOR TO IDENTIFY AND EXPOSE ALL UNDER GROUND SERVICES ON SITE WHERE RELEVANT.
  8. CONSTRUCTION IS TO BE IN ACCORDANCE WITH ALL RELEVANT REGULATIONS, CONTRACT SPECIFICATIONS OR SABS 1000.
  9. SHOULD THE ENGINEER BE REQUIRED ON SITE, 24 HOURS NOTICE IS REQUESTED.

**PROJECT NAME:**  
Design Construction of the Homesteads and Infrastructure to relocate 84 (8) Families at Ingula Pump Storage Scheme

**DRAWING TITLE:**  
Foundation layout Layout Type AS 1

**DESIGNED BY:** P. MATEMA  
**DRAWN BY:** P. MATEMA

**APPROVED BY:** N. BAARTMAN  
**CHECKED BY:** S.N. SHERINDI

**SIGNATURE:** [Signature]  
**DATE:** 23/09/2024

**CLIENT:**  
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Ingula Pumped Storage Scheme  
Private Bag X10046  
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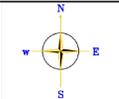
**CONSULTANT:**  
**NuSpark**  
ARCHITECTS, PLANNERS & ENGINEERS.  
Unit 26 - Midline Business Park  
Cnr Le Roux and Richards Drive  
Midrand, JHB  
CONTACT NO : 010 510 0796  
E-MAIL : admin@nukolekogroup.com

**PROJECT NO:** 460074417  
**SCALE:** N.T.S  
**SHEET SIZE:** A1

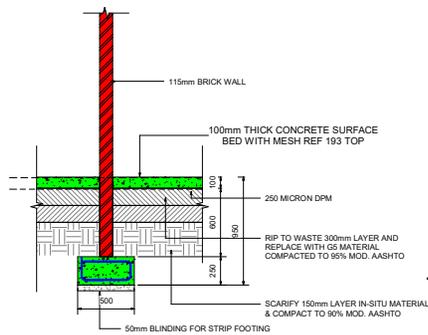
**DRAWING NO:** NUS/001-TYPE A-S1  
**SHEET NO:** 1

**REVISION :**  
0

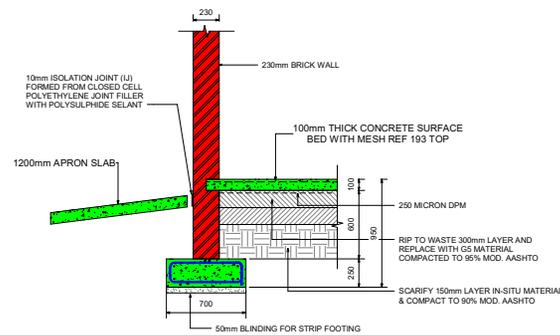
**UNIT :** mm



**1 FOUNDATION LAYOUT**  
1 : 50



**B SECTION B-B**  
1 : 20



**2 SECTION A-A**  
1 : 20