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- THIS DRAWING IS COPYRIGHT PROTECTED AND REMAINS THE PROPERTY OF LUMAX ENERGY. LUMAX ENERGY RESERVES THE RIGHT TO MAKE MODIFICATIONS, SPECIFICATION AND DESIGN CHANGES EVEN AFTER APPROVAL AND RELEASE OF DRAWINGS PROVIDED THAT SUCH CHANGES SERVE THE TECHNICAL IMPROVEMENT IN ACCORDANCE WITH THE PROJECT SPECIFIC DESIGN AND ARE REASONABLE FOR THE CLIENT.
- DIMENSIONS ILLUSTRATED ARE REPRESENTED IN MILLIMETERS (mm).
- GENERAL NOTES:
- THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT LUMAX ENERGY DOCUMENTATION INCLUDING:
    - LUMAX ENERGY QUALITY CONTROL REPORT.
    - LUMAX ENERGY INSTALLATION MANUAL.
  - THE CONTRACTOR SHALL CHECK DRAWINGS PRIOR TO FABRICATION AND THE ENGINEER SHALL BE NOTIFIED AS SOON AS POSSIBLE OF ANY DISCREPANCIES.
  - MINIMUM SAFE BEARING PRESSURE 100kPa.
  - EXCAVATIONS AND EARTHWORKS:
    - ALL FOUNDATION EXCAVATIONS TO BE INSPECTED BY A COMPETENT PERSON PRIOR TO CASTING OF CONCRETE.
    - FOUNDATION BULK EARTHWORKS:
      - REMOVE SOIL BELOW FOUNDATION TO A DEPTH 450mm AND WIDTH OF AT LEAST 1500mm (PAD FOOTING).
      - COMPACT IN-SITU MATERIAL TO APPROXIMATELY 93% MODIFIED ASSHTO DENSITY AT OPTIMUM MOISTURE CONTENT.
      - REPLACE WITH G7 OR BETTER MATERIAL COMPACTED IN 150mm LAYERS TO 95% MODIFIED ASSHTO DENSITY AT OPTIMUM MOISTURE CONTENT TO THE BASE LEVEL.
  - CONCRETE
    - ALL CONCRETE WORK TO COMPLY WITH SANS 2001 CC1/2.
    - CONCRETE CLASS:
      - FOUNDATIONS = 25 MPa.
      - MASS CONCRETE = 15 MPa.
    - REINFORCEMENT COVER:
      - FOUNDATIONS = 50mm.
      - ALL OTHER MEMBERS = 30mm.
    - SIX CUBES TO BE TAKEN PER POUR, THREE TO BE TESTED AT SEVEN DAYS, THE REMAINDER AT TWENTY-EIGHT DAYS. THE RESULTS TO BE FORWARDED TO THE ENGINEER.
    - ALL STRUCTURAL CONCRETE TO BE CURED FOR A MINIMUM OF FIVE DAYS.
    - THE ENGINEER REQUIRES 24HRS NOTICE FOR ALL INSPECTIONS.
  - STRUCTURAL STEEL
    - ALL STRUCTURAL STEEL WORK TO COMPLY WITH SANS 2001 CS1.
    - STRUCTURAL STEEL MATERIALS:
      - STRUCTURAL STEEL TO BE TO SABS 1431, GRADE 355JR.
      - COMMERCIAL GRADE STEEL TO BE IS0230.
    - BASE PLATES TO BE AT LEAST M16 BOLTS, GRADE 8.8.
    - CORROSION PROTECTION:
      - ALL STEELWORK TO BE HOT DIPPED GALVANIZED OR ALTERNATIVELY,
      - ALL STEELWORK TO HAVE TWO COATS APPROVED RED OXIDE PRIMER, ONE AT WORKS AND ONE ON SITE AFTER ERECTION.
  - ALUMINIUM
    - ALUMINIUM MATERIALS:
      - RAFTERS ARE ALLOY 6005-T6 U.N.O.
      - PURLINS ARE ALLOY 6063-T6 U.N.O.
    - ALUMINIUM TO BE HARD ANODIZED.

REVISION HISTORY			
REV	DESCRIPTION	REV DATE	REV APPROVED BY
DO NOT SCALE		AS SHOWN	
FINISH:		FOR ILLUSTRATION ONLY	
LUMAX ENERGY UNIT #1, 270 ROAN CRESCENT, CORPORATE PARK NORTH, MIDRAND, +27 (0)10 140 4933			
		DATE	SIGNATURE
DRAWN	RUAN BOTHA	2023/02/17	
CHECKED	RUAN BOTHA	2023/02/17	
APPROVED	FRANS VAN ZYL	2023/02/17	
ADDITIONAL APPROVAL		2023/02/17	
MATERIAL:		WEIGHT: N/A	
		NOTE: CONNECTORS AND FASTENERS NOT SHOWN	
DRAWING TITLE:			SHEET SIZE:
2V7-2V8 KIT			A2
DRAWING NO:			REV NO:
GMK23-S-01-002-POA			
COMPANY:		PROJECT:	SHEET NO:
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