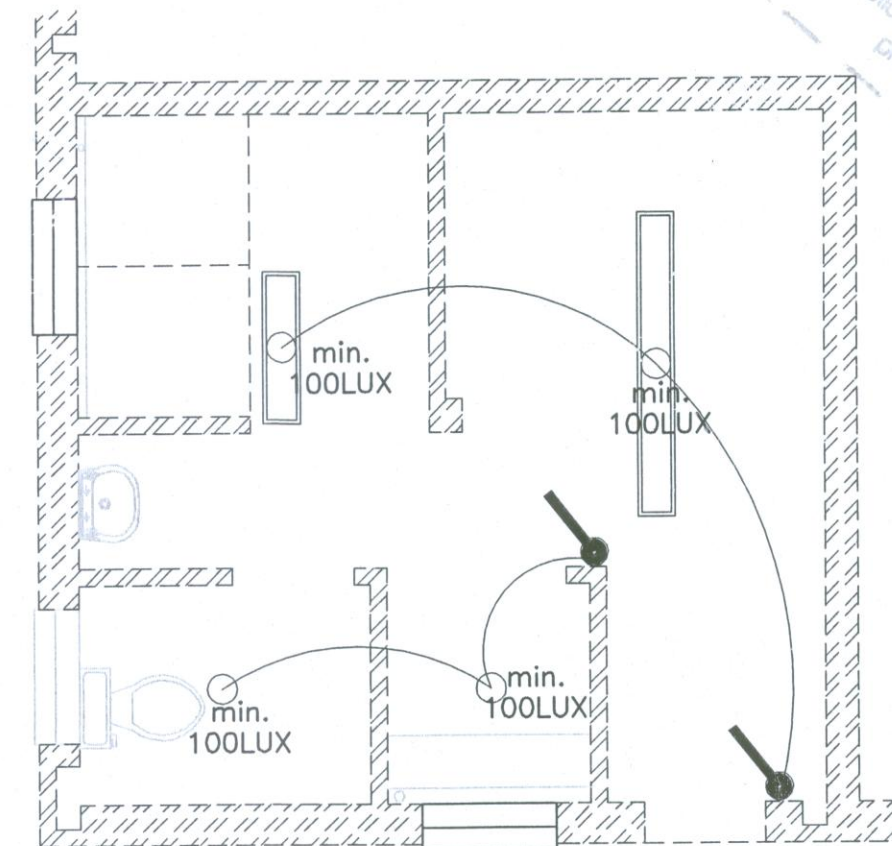
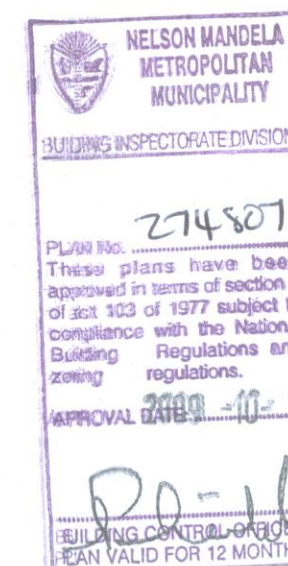
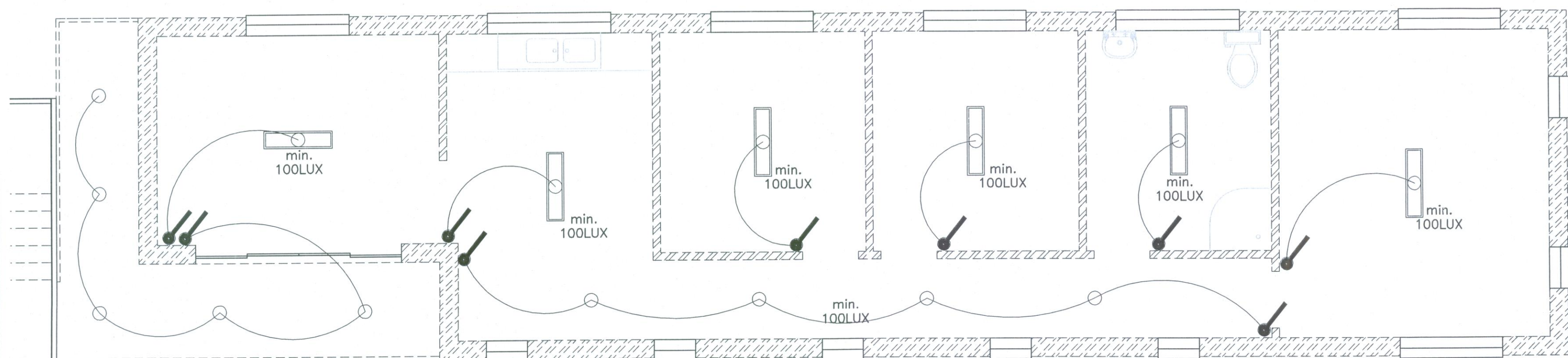
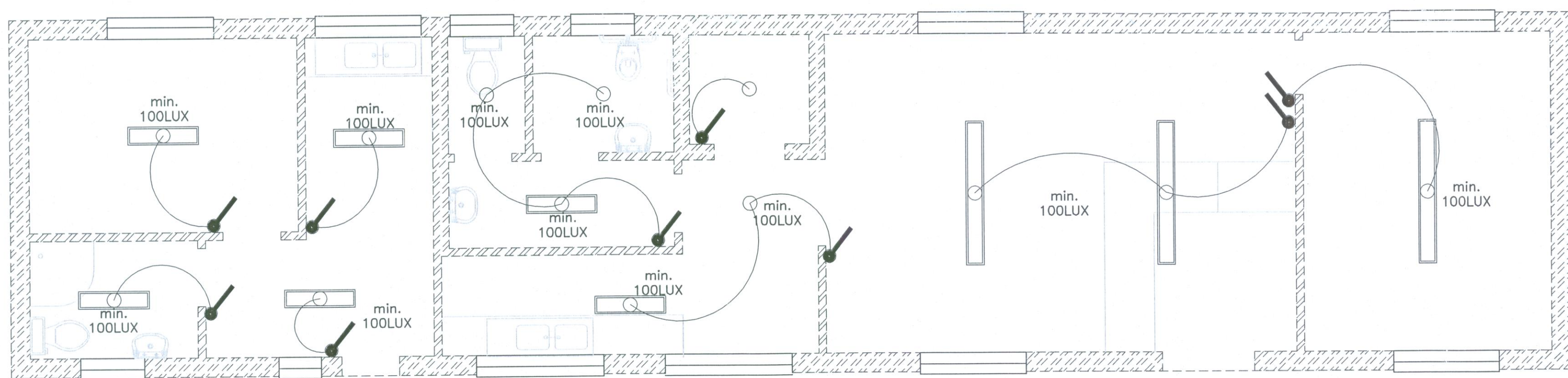
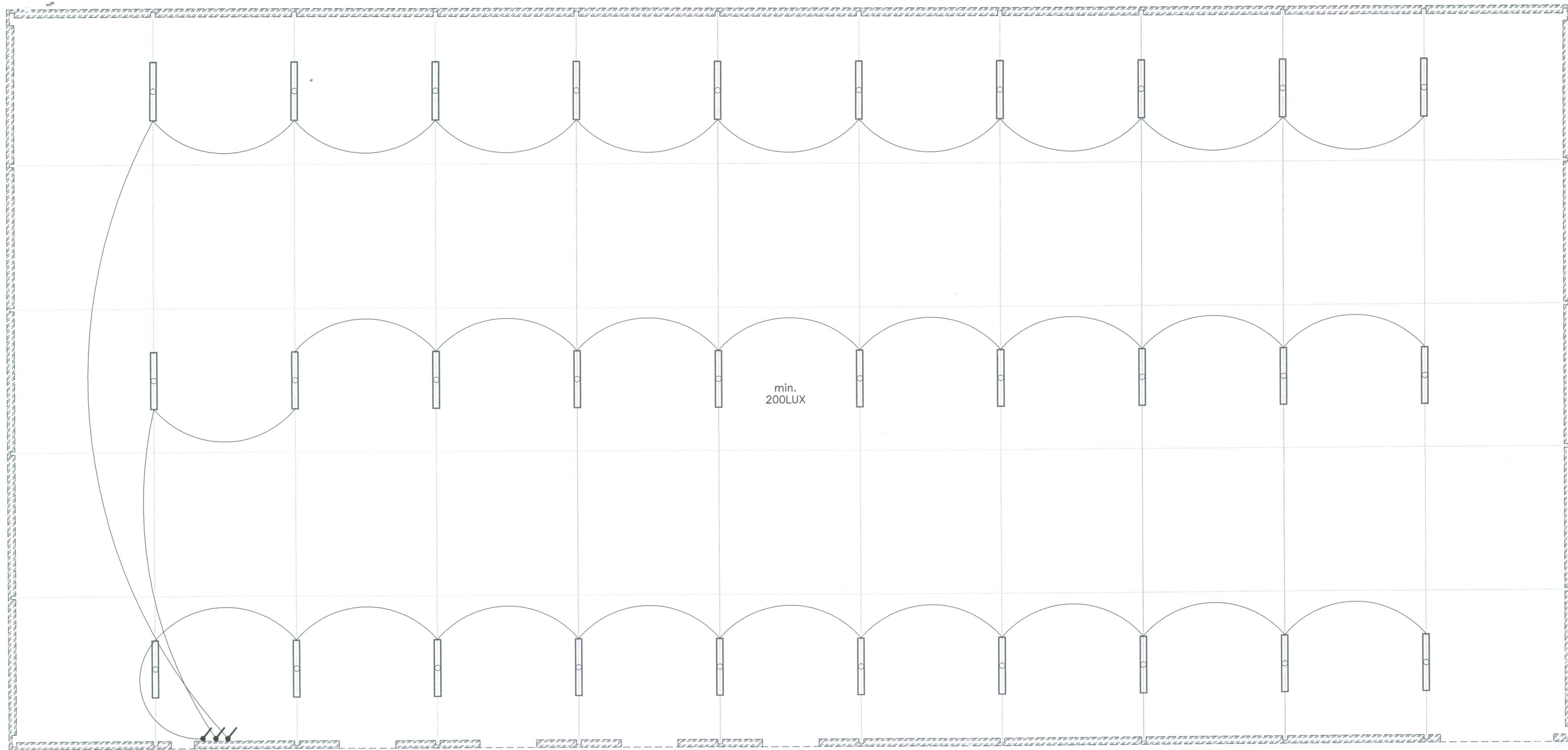
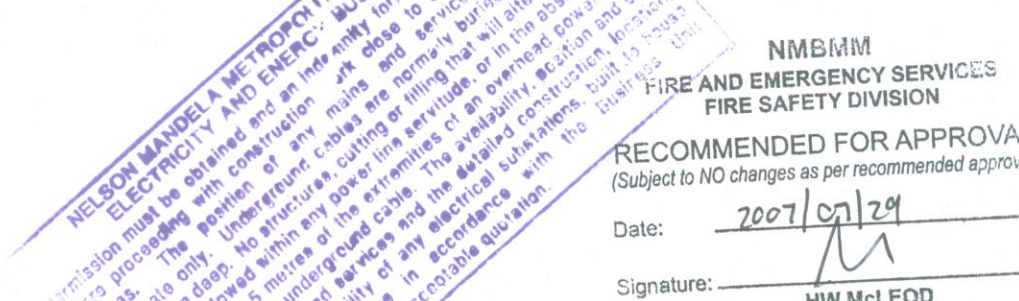




- OTHER:
- USE FLUORESCENT LIGHTING WHERE POSSIBLE OR ENERGY EFFICIENT LIGHTING
 - USE CLEAR IBR SHEETING IN WAREHOUSE TO MAXIMISE USE OF DAYLIGHT
 - RIDGE VENTILATORS IN WAREHOUSE FOR NATURAL VENTILATION
 - WINDOWS AND BUILDING ORIENTATION TO MAXIMISE NATURAL LIGHT AND VENTILATION
 - INVESTIGATE USE OF SOLAR PANELLED GEYSER
 - ALL EXTERNAL LIGHTS TO BE FITTED WITH DAY-NIGHT SWITCHES



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- GENERAL NOTES:
- THIS DRAWING TO BE IN READ CONJUNCTION WITH THE DRAWINGS FROM THE OTHER PROJECT TEAM DISCIPLINES.
 - ALL LEVELS AND DIMENSIONS TO BE VERIFIED ON SITE BEFORE ANY WORK COMMENCES. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
 - ALL LEVELS SHOWN ARE TO "TOP OF CONCRETE", UNLESS SHOWN OTHERWISE.
 - ALL FOUNDATION EXCAVATIONS TO BE INSPECTED BY ENGINEER - PRIOR TO CASTING OF BLINDING LAYER AND TO BE KEPT DRY AT ALL TIMES.
 - ENGINEER TO INSPECT ALL REBAR PRIOR TO CASTING ANY CONCRETE. CONTRACTOR MUST INFORM ENGINEER AT LEAST 24 HOURS BEFORE CASTING TIME TO ARRANGE INSPECTION.
 - ALL REBAR TO BE SUPPORTED ON PURPOSE-MADE CONCRETE SPACERS OR PLASTIC SPACERS. NO SPACERS WILL BE ACCEPTED IF ANY OTHER MATERIAL IS USED. STOOLS ARE TO SIT ON "B1" MAT OF STEEL AND NOT ON SHUTTERING.
 - CONTRACTOR IS RESPONSIBLE FOR MAINTAINING STEEL IN CORRECT POSITION DURING CONCRETING.
 - CONTRACTOR TO ENSURE THAT CUBES ARE CAST WITH THE ELEMENT THEY ARE INTENDED TO REPRESENT. NO CUBE TEST RESULTS WILL BE ACCEPTED IF THEY ARE CAST AFTERWARDS OR FROM A BATCH OF CONCRETE NOT USED IN THE ELEMENT WHICH THE CUBE REPRESENTS.
 - CONCRETE TO BE CURED PROPERLY USING AN APPROVED METHOD OF MOISTURE RETENTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONCRETE WHICH IS REJECTED DUE TO POOR CURING METHODS OR LACK THEREOF.
 - ALL EXPOSED RC CONCRETE SURFACES SHALL BE SMOOTH AND NON-EXPOSED SURFACES SHALL BE ROUGH (SANS 2001-CC1:2007; TABLE 1) UNLESS INDICATED DIFFERENTLY ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.
 - ALL EXPOSED RC CONCRETE CORNERS SHALL HAVE A 25 x 25 mm CHAMFER.
 - ALL CONCRETE CONSTRUCTION IS TO BE IN ACCORDANCE WITH SANS 10100 AND SANS 2001; PART CC1 OR CC2.
 - ALL STRUCTURAL STEEL CONSTRUCTION IS TO BE IN ACCORDANCE WITH SANS 10162 AND SANS 2001; PART CS1.
 - ALL TIMBER CONSTRUCTION IS TO BE IN ACCORDANCE WITH SANS 10163.
 - ALL LOAD BEARING BRICKWORK CONSTRUCTION IS TO BE IN ACCORDANCE WITH SANS 10164.
 - ALL BUILDING WORK IS TO BE IN ACCORDANCE WITH SANS 10400 AND SANS 2001; PARTS CG1, CM1, CT1, CT2, AND EM1.
 - BRICKS TO HAVE A MINIMUM CRUSHING STRENGTH OF 14 MPa AND MORTAR TO BE CLASS II (SANS 10400: The application of the National Building Regulations; CH 4).
 - PROVIDE 2 LAYERS OF D.C.P. BETWEEN TOP OF LOAD BEARING BRICKWORK AND UNDER SIDE OF R.C. SLABS.
 - GROUND BEARING PRESSURE TO BE A MINIMUM OF 150 kPa.
 - 50mm BLINDING (10 MPa) UNDER ALL FOUNDATIONS AND BASES.
 - CONCRETE COVER TO BE AS INDICATED FOR EXPOSURE CONDITION SEVERE.
 - CONCRETE MIX TO GIVE A MIN. CUBE CRUSHING STRENGTH FOR PILES - 40 MPa, BASES AND STRAP BEAMS - 30 MPa, COLUMNS - 30 MPa, SLAB AND BEAMS - 30 MPa AT 28 DAYS.

REVISION(S)

REV	AMENDMENTS	INITIAL	DATE

SCALE ON REDUCED DRAWING



CONSULTANT:
Anderson Vogt
& Partners/Vennote
Consulting Engineers/Raadgewende Ingenieurs



Designed by:	
Checked by:	
Drawn by:	
Checked by:	
File Reference No.:	
Project No.:	

APPROVED - PROJECT MANAGER

	DATE
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PROJECT

PROPOSED NEW OFFICES AND WAREHOUSE
FOR SOUTH BAKELS

DRAWING TITLE

ENERGY SAVING MEASURES

FILE NAME : F:\6469_01_01_South_Bakels_-_P_E_(Electrical_layout).dwg

SHEET 1 OF SHEET(S)

SCALE : DATE : JULY 2009.

DWG. NO. REVISION P0