## MATLA 2 PRIMARY SCHOOL

| EMIS Nr | CLASS | PROJECT NR | PSP |
|---|---|---|---|
| | MEGA | RFP 085/2020 | SMEC |

### HUMAN CAPITAL TABLE

| GRADE | BOYS | GIRLS | TOTAL | RATIO |
|---|---|---|---|---|
| RR (30/CLASS) | 45 | 45 | 90 | 40 |
| R (30/CLASS) | 45 | 45 | 90 | 3.0 |
| 1 | 72 | 72 | 144 | 3.0 |
| 2 | 73 | 73 | 146 | 3.6 |
| 3 | 73 | 73 | 146 | 3.7 |
| 4 | 73 | 73 | 146 | 3.7 |
| 5 | 73 | 73 | 146 | 3.7 |
| 6 | 73 | 73 | 146 | 3.7 |
| 7 | 73 | 73 | 146 | 3.7 |
| 8 | 0 | 0 | 0 | |
| 9 | 0 | 0 | 0 | |
| 10 | 0 | 0 | 0 | |
| 11 | 0 | 0 | 0 | |
| 12 | 0 | 0 | 0 | |
| **TOTALS** | **600** | **600** | **1200** | |

| | |
|---|---|
| TOTAL GRADE R - RR | 180 |
| TOTAL GRADE 1 - 7 | 1020 |
| TOTAL GRADE 8 - 12 | 0 |
| TOTAL STAFF | 30 (tbc) |
| TOTAL PARKING | 54 |

### ACCOMMODATION SCHEDULE

| | |
|---|---|
| ADMINISTRATION BUILDING | 1 |
| CLASSROOMS (40x / CLASS) with STORES | **28** |
| GRADE RR-R CLASSROOMS (40x / CLASS) | **6** |
| MULTIMEDIA CENTER | 0 |
| SCIENCE LABORATORY | 2 |
| MULTIPURPOSE CLASSROOM | 1 |
| COMPUTER LABORATORY | 2 |
| LIBRARY CENTRE | 1 |
| GENERAL PURPOSE SCHOOL HALL | 1 |
| HOD OFFICES | 4 |
| TUCK SHOP | 1 |
| CHANGE ROOMS | 1 |
| DINING & NUTRITION CENTRE (part of HALL) | 0 |
| KITCHEN | 1 |
| FOOD GARDEN | 1 |

| | |
|---|---|
| ABLUTIONS - GIRLS (WC) | 14 |
| ABLUTIONS - BOYS (WC) | 6 |
| ABLUTIONS - GIRLS (HWB) | 10 |
| ABLUTIONS - BOYS (HWB) | 4 |
| ABLUTIONS - BOYS (URINAL) | 6 |
| ABLUTIONS - DISABLED | 2 |
| ABLUTIONS STAFF - MALE (WC) | 1 |
| ABLUTIONS STAFF - FEMALE (WC) | 3 |
| ABLUTIONS STAFF - MALE (URINAL) | 2 |
| ABLUTIONS STAFF - FEMALE (HWB) | 2 |
| ABLUTIONS STAFF - MALE (HWB) | 1 |
| REFUSE AREA | 1 |
| PARKING BAYS - OPEN | 44 |
| PARKING BAYS - SHADED | 10 |
| CARETAKER'S ROOM/RESIDENCE | 1 |
| GUARD HOUSE / SECURITY ROOM | 1 |

### AREA SCHEDULE

| DESCRIPT. | AREA | NUMBER | TOTALS |
|---|---|---|---|
| SITE | 40044 | 1 | 40044 |
| ADM2-W | 343 | 1 | 343 |
| MP-HALL | 1365 | 1 | 1365 |
| MED+COMP2-W | 314 | 1 | 314 |
| 3GR-R-W | 305 | 2 | 610 |
| HOD+CL2+STO2+ABL-W | 226 | 1 | 226 |
| CL2+STO2-W | 162 | 1 | 162 |
| CL3+ST04-W | 257 | 1 | 257 |
| CL4+ST04-W | 323 | 4 | 1292 |
| CL5+STO6-W | 417 | 1 | 417 |
| HOD+MPC+ABL-W | 182 | 1 | 182 |
| HOD+SCIE+ABL-W | 182 | 2 | 364 |
| TS-1+CHN-W | 237 | 1 | 237 |
| CAR-W | 19 | 1 | 19 |
| SEC-W | 11 | 1 | 11 |
| | 0 | 0 | 0 |
| **TOTAL NEW BUILDINGS AREA** | | **19** | **5799** |

(EXCLUDING STOEPS & OUTSIDE COVERED WALKWAYS)

### ERF 15669, HEIDEDAL EXT. 25

**SITE BOUNDARY COORDINATES**

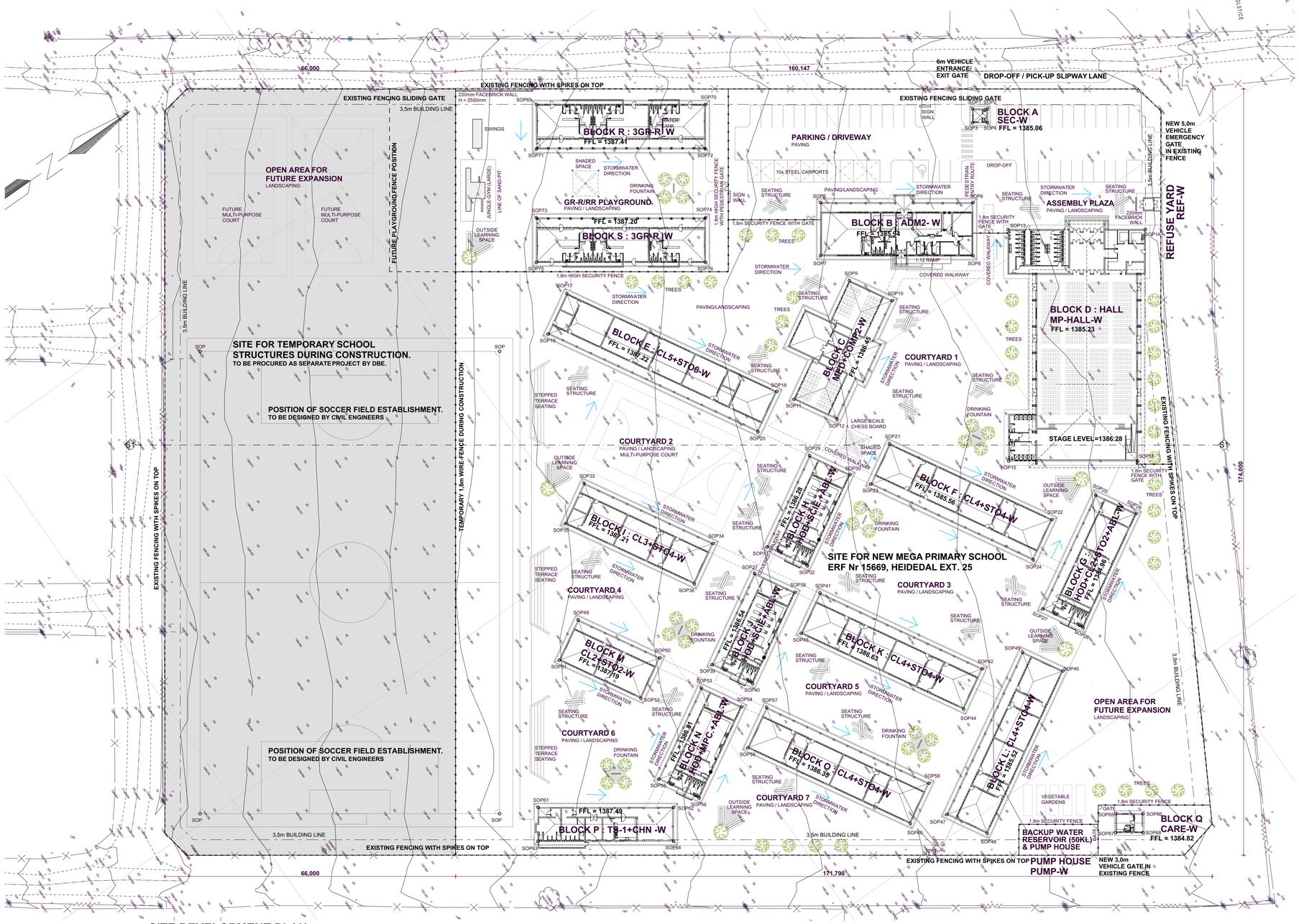
| ID | Y-COORD | X-COORD |
|---|---|---|
| A | 70014.449 | 3229338.828 |
| B | 70007.486 | 3229337.601 |
| C | 69969.47 | 3229364.22 |
| D | 69868.076 | 3229421.003 |
| E | 69865.984 | 3229430.158 |
| F | 69995.893 | 3229615.688 |
| G | 70002.857 | 3229616.916 |
| H | 70137.198 | 3229522.85 |
| I | 70138.427 | 3229515.887 |

| | |
|---|---|
| **SITE AREA** | 40044 |
| **BUILDINGS AREA** | 5800 |
| **COVERAGE** | 14% |
| **F.A.R.** | |

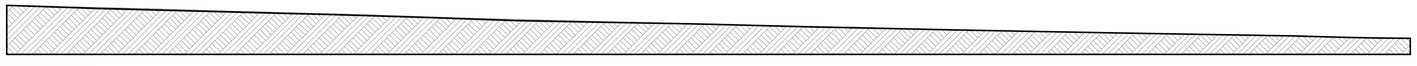
## MATLA 2 PRIMARY SCHOOL

**NEW BUILDINGS/STRUCTURES COORDINATE TABLE**

| ID | MARK | | Y-COORD | X-COORD |
|---|---|---|---|---|
| BLOCK A | SOP | 1 | -3229372.3531 | -70032.43 |
| | SOP | 2 | -3229369.5350 | -70030.457 |
| | SOP | 3 | -3229374.1540 | -70029.858 |
| | SOP | 4 | -3229371.3360 | -70027.885 |
| BLOCK B | SOP | 5 | -3229412.8073 | -70034.7845 |
| | SOP | 6 | -3229384.4672 | -70014.9352 |
| | SOP | 7 | -3229419.7489 | -70024.8736 |
| | SOP | 8 | -3229391.4087 | -70005.0243 |
| BLOCK C | SOP | 9 | -3229417.6174 | -70016.5059 |
| | SOP | 10 | -3229412.2326 | -70007.1792 |
| | SOP | 11 | -3229443.3781 | -70001.6379 |
| | SOP | 12 | -3229437.9912 | -69992.3075 |
| BLOCK D | SOP | 13 | -3229381.4520 | -70005.368 |
| | SOP | 14 | -3229355.8860 | -69987.475 |
| | SOP | 15 | -3229411.4960 | -69962.205 |
| | SOP | 16 | -3229387.4880 | -69945.394 |
| BLOCK E | SOP | 17 | -3229471.8672 | -70050.8736 |
| | SOP | 18 | -3229445.5777 | -70005.3388 |
| | SOP | 19 | -3229480.6318 | -70045.8133 |
| | SOP | 20 | -3229454.3423 | -70000.2785 |
| BLOCK F | SOP | 21 | -3229431.4080 | -69980.904 |
| | SOP | 22 | -3229411.0580 | -69945.657 |
| | SOP | 23 | -3229440.1720 | -69975.844 |
| | SOP | 24 | -3229419.8220 | -69940.597 |
| BLOCK G | SOP | 25 | -3229399.6880 | -69944.552 |
| | SOP | 26 | -3229394.6271 | -69935.7878 |
| | SOP | 27 | -3229424.4560 | -69930.2525 |
| | SOP | 28 | -3229419.3960 | -69921.4877 |
| BLOCK H | SOP | 29 | -3229447.8340 | -69989.118 |
| | SOP | 30 | -3229442.7745 | -69980.3535 |
| | SOP | 31 | -3229467.6477 | -69977.6779 |
| | SOP | 32 | -3229462.5887 | -69968.9137 |
| BLOCK I | SOP | 33 | -3229493.3693 | -70013.3575 |
| | SOP | 34 | -3229477.1994 | -69985.3506 |
| | SOP | 35 | -3229502.1339 | -70008.2973 |
| | SOP | 36 | -3229485.964 | -69980.2903 |
| BLOCK J | SOP | 37 | -3229473.395 | -69974.36 |
| | SOP | 38 | -3229468.335 | -69965.5962 |
| | SOP | 39 | -3229493.209 | -69962.921 |
| | SOP | 40 | -3229488.15 | -69954.1564 |
| BLOCK K | SOP | 41 | -3229463.7791 | -69962.2151 |
| | SOP | 42 | -3229443.4291 | -69926.9677 |
| | SOP | 43 | -3229472.5435 | -69957.1544 |
| | SOP | 44 | -3229452.1939 | -69921.9079 |
| BLOCK L | SOP | 45 | -3229433.8163 | -69924.8484 |
| | SOP | 46 | -3229428.7564 | -69916.0836 |
| | SOP | 47 | -3229469.0636 | -69904.4983 |
| | SOP | 48 | -3229464.0030 | -69895.734 |
| BLOCK M | SOP | 49 | -3229512.2678 | -69988.7307 |
| | SOP | 50 | -3229502.0380 | -69971.0121 |
| | SOP | 51 | -3229521.0324 | -69983.6704 |
| | SOP | 52 | -3229510.8026 | -69965.952 |
| BLOCK N | SOP | 53 | -3229498.2318 | -69960.021 |
| | SOP | 54 | -3229493.1718 | -69951.2569 |
| | SOP | 55 | -3229518.0450 | -69948.5813 |
| | SOP | 56 | -3229512.9861 | -69939.8171 |
| BLOCK O | SOP | 57 | -3229488.6166 | -69947.8751 |
| | SOP | 58 | -3229468.2665 | -69912.6278 |
| | SOP | 59 | -3229497.3810 | -69942.8145 |
| | SOP | 60 | -3229477.0313 | -69907.5679 |
| BLOCK P | SOP | 61 | -3229544.1575 | -69959.0707 |
| | SOP | 62 | -3229518.9367 | -69941.4109 |
| | SOP | 63 | -3229548.5741 | -69952.7632 |
| | SOP | 64 | -3229523.3525 | -69935.103 |
| BLOCK Q | SOP | 65 | -3229437.5010 | -69882.6535 |
| | SOP | 66 | -3229432.4342 | -69879.106 |
| | SOP | 67 | -3229439.9903 | 69879.0984 |
| | SOP | 68 | -3229434.9235 | -69875.5506 |
| BLOCK R | SOP | 69 | -3229452.8973 | -70090.0483 |
| | SOP | 70 | -3229421.4214 | -70068.0086 |
| | SOP | 71 | -3229458.7031 | -70081.7568 |
| | SOP | 72 | -3229427.2271 | -70059.7171 |
| BLOCK S | SOP | 73 | -3229467.6639 | -70068.9593 |
| | SOP | 74 | -3229436.1880 | -70046.9196 |
| | SOP | 75 | -3229473.4697 | -70060.6678 |
| | SOP | 76 | -3229441.9938 | -70038.6281 |




**SITE DEVELOPMENT PLAN**
SCALE 1 : 500



**SITE SECTION**
SCALE 1 : 500

**GENERAL**

- THIS DRAWING IS COPYRIGHT RESERVED AND REMAINS THE PROPERTY OF INCLINE ARCHITECTS.
- ALL WORK TO BE EXECUTED IN STRICT COMPLIANCE WITH SANS10400.
- ALL DIMENSIONS TO BE CHECKED ON SITE AND ANY DISCREPANCIES TO BE REPORTED TO THE ARCHITECT IMMEDIATELY BEFORE COMMENCING WITH ANY WORK.
- DRAWINGS MAY NOT BE SCALED FROM PRINTS.
- ALL ELECTRICAL, MECHANICAL AND PLUMBING WORK TO BE EXECUTED BY REGISTERED SUBCONTRACTORS.
- WHERE REQUIRED, ARCHITECT'S DRAWINGS TO BE READ IN CONJUNCTION WITH ENGINEER'S DRAWINGS.
- WHERE REQUIRED, ARCHITECT'S DRAWINGS TO BE READ IN CONJUNCTION WITH MANUFACTURER'S SPECIFICATION AND INSTALLATION INSTRUCTIONS.
- ALL SPECIFIED PROPRIETARY TERMS TO BE USED UNLESS SPECIFIED AS EQUAL APPROVED SPECIFICATIONS.
- FINISHED FLOOR LEVELS TO BE A MINIMUM OF 150mm ABOVE NATURAL GROUND LEVEL UNLESS OTHERWISE SHOWN.
- FIREWALLS TO BE BUILT UP TO UNDERSIDE OF ROOF COVERING.
- MINIMUM 150mm STEPPED THRESHOLD PLUS FIRE DOOR TO GARAGES IF INTERLEADING WITH HOUSE.
- ALL DOORS TO THE EXTERIOR THAT OPEN OUTWARDS ARE TO HAVE A 15mm STEP-UP TO THE INSIDE ON THE INSIDE OF THE DOOR LEAF.
- ALL DOORS TO THE EXTERIOR THAT OPEN INWARD ARE TO HAVE A 15mm STEP UP ALONG THE LONGITUDINAL CENTRELINE OF THE DOOR LEAF.
- ALL CONCRETE FOUNDATIONS TO BE A MINIMUM OF 600mm X 300mm AS VERIFIED BY ENGINEER.
- UNLESS SHOWN OTHERWISE, TOP OF CONCRETE FOUNDATION TO BE A MINIMUM OF 300mm BELOW NATURAL GROUND LEVEL.

**PLUMBING AND SEWERAGE**

- ALL PLUMBING WORK TO BE CARRIED OUT BY LICENSED AND REGISTERED PLUMBERS.
- INSPECTION EYES TO ALL BENDS. JUNCTIONS TO BE EASILY ACCESSIBLE. INSPECTION EYES TO HAVE VISIBLE MARKED COVERS AT GROUND LEVEL.
- RODDING EYES TO BE PROVIDED WHERE NECESSARY.
- ALL SOIL PIPES TO BE 100mm DIAMETER GLAZED EARTHENWARE OR PVC DRAINS AND TO HAVE A MINIMUM FALL OF 1 : 60. TOP OF DRAIN TO BE AT LEAST 300mm BELOW NATURAL GROUND LEVEL.
- ALL WASTE PIPES TO BE 50mm INTERNAL DIAMETER.
- ALL WASTE FITTINGS TO HAVE DEEP "P" RESEALED TRAPS AND TO BE FULLY ACCESSIBLE FOR REPAIRS AND CLEANING.
- ALL RAISED VENT PIPES TO EXTEND 900mm ABOVE ROOF LEVEL.
- WASTE PIPES EXCEEDING 6m LENGTH TO BE VENTED.
- S.V.P.'S TO ALL W.C'S HAVING MORE THAN 1200mm VERTICAL DISCHARGE.
- ALL SOIL AND WASTE FITTINGS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH FOR MAINTENANCE AND REPAIRS.
- ALL SUBSOIL DRAINS TO BE ACCESSIBLE AT 24m CENTRES BY MEANS OF MANHOLES OR CLEANING EYES.
- A MANHOLE TO BE PROVIDED WITHIN 1,2m OF THE ERF BOUNDARY.
- ALL DRAINS UNDER BUILDING TO BE STRAIGHT RUNS, WITH INSPECTION EYES AT THE ENDS. THE PIPE TO BE ENCASED IN MINIMUM 150mm CONCRETE (15MPA MINIMUM STRENGTH).
- STORMWATER TO RUN NATURALLY WITH SLOPE OF SITE.
- ALL PAVING TO BE LAID TO FALLS AWAY FROM BUILDING.

**WATERPROOFING AND DAMPPROOFING**

- 375micron BRICKGRIP POLYTHENE DAMP PROOF COURSE TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.
- D.P.C. UNDER ALL WALLS AND SCREEN WALLS TO BE MINIMUM 150mm ABOVE FINISHED GROUND LEVEL AND VISIBLY PROTRUDING.
- D.P.C. TO BE PROVIDED UNDER WINDOW CILLS, BEHIND WEATHERBOARDS AND UNDER ROOF RIDGE TILES.
- VERTICAL D.P.C. TO ALL CHANGES IN FLOOR LEVEL. SURFACE BEDS TO BE ON APPROVED WATERPROOFING FORMING A CONTINUOUS SEALED MEMBRANE WITH THE D.P.C. UNDER WALLS.
- FLASHINGS AND COUNTER-FLASHINGS TO ALL CHANGES OF ROOF LEVELS AND TO CHIMNEYS AND WALL CONNECTIONS.
- IMPERVIOUS COPINGS TO ALL PARAPETS.
- WATERPROOFING TO ROOF SLABS TO BE DERBIGUM SP4 MEMBRANE OR SIMILAR APPROVED PRODUCT. ALL TO BE LAID (INCLUDING FLASHING AND COUNTER-FLASHING) STRICTLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS WITH UBT BITUMINOUS PAINT TO ALL EXPOSED SURFACES AND GUARANTEED UNCONDITIONALLY FOR TEN YEARS.

**GLAZING**

- ALL GLAZING TO COMPLY WITH PART N OF SANS10400 NATIONAL BUILDING REGULATIONS.
- ALUMINIUM DOORS AND WINDOWS TO CONFORM TO AAAMSA AND SAGGA STANDARDS.

| No | REVISION | DATE | APPROVED |
|---|---|---|---|
| 00 | FOR DBE APPROVAL | 24/3/2021 | LD |
| 01 | FOR DBE APPROVAL 2 | 26/3/2021 | LD |


INCLINE ARCHITECTS — CONSULTANT
117 B Albrecht Street | Dan Pienaar | Bloemfontein 9350
PO Box 28143 | Danhof | Bloemfontein 9310 | + 051 444 4702
admin@inclinearchitects.co.za | www.inclinearchitects.co.za


DBSA Development Bank of Southern Africa
education Department of Education FREE STATE PROVINCE

CLIENT: FS DEPARTMENT OF BASIC EDUCATION

PROJECT: MATLA 2 PRIMARY SCHOOL
PROPOSED NEW PRIMARY SCHOOL ON ERF NR 15669, HEIDEDAL EXT.25
MANGAUNG MUNICIPALITY

DRAWING: SITE DEVELOPMENT PLAN

| | | | |
|---|---|---|---|
| DESIGN | LOMBARD DELPORT | | DATE |
| DRAWN | LD | | DATE |
| CHECKED | LOMBARD DELPORT | | DATE |
| SCALE | AS SHOWN | 7/22/2021 | DATE ISSUED |
| DRAWING STATUS | S | ED035-S-ARC-01 | DRAWING No |

COPYRIGHT 7/22/2021