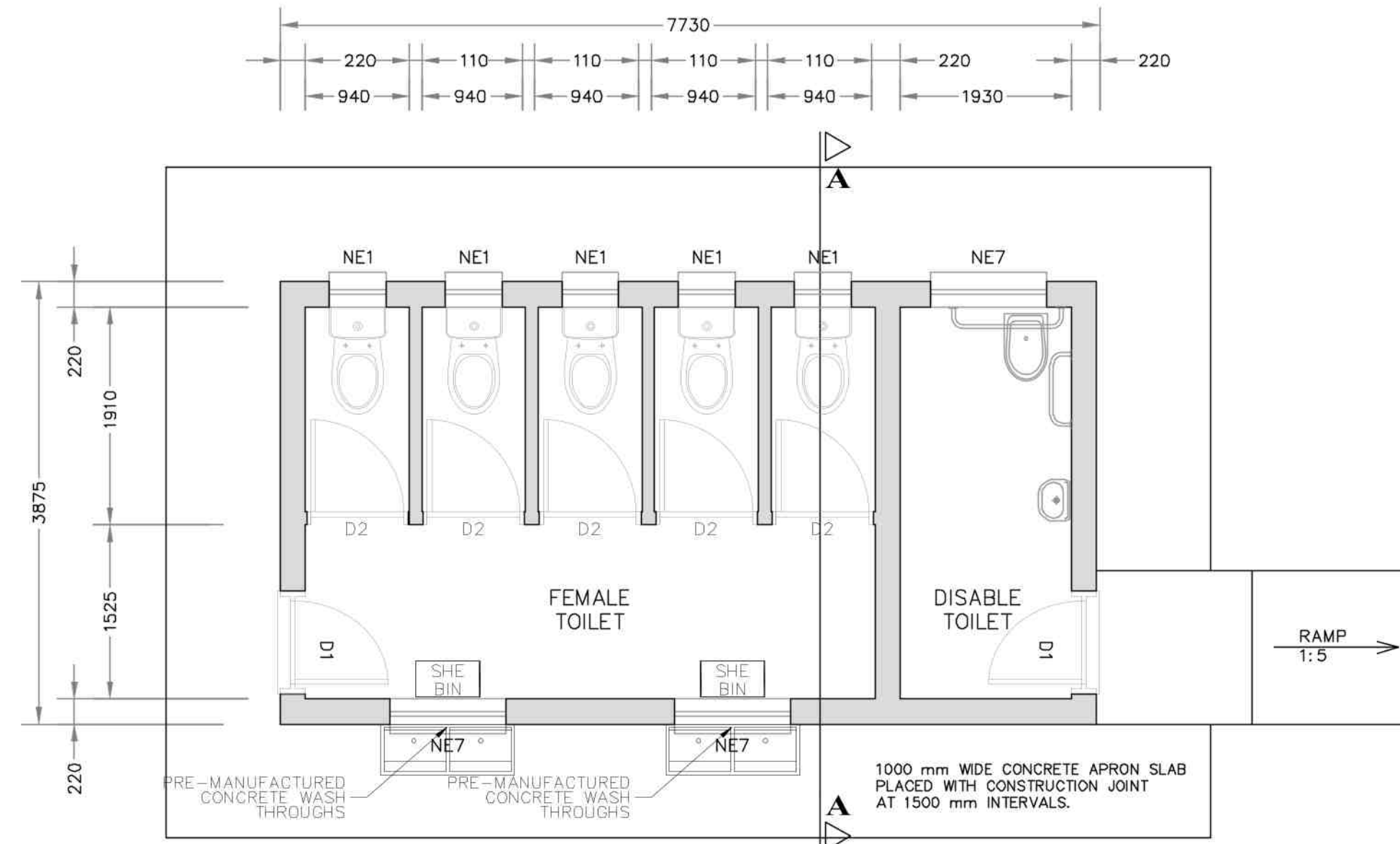
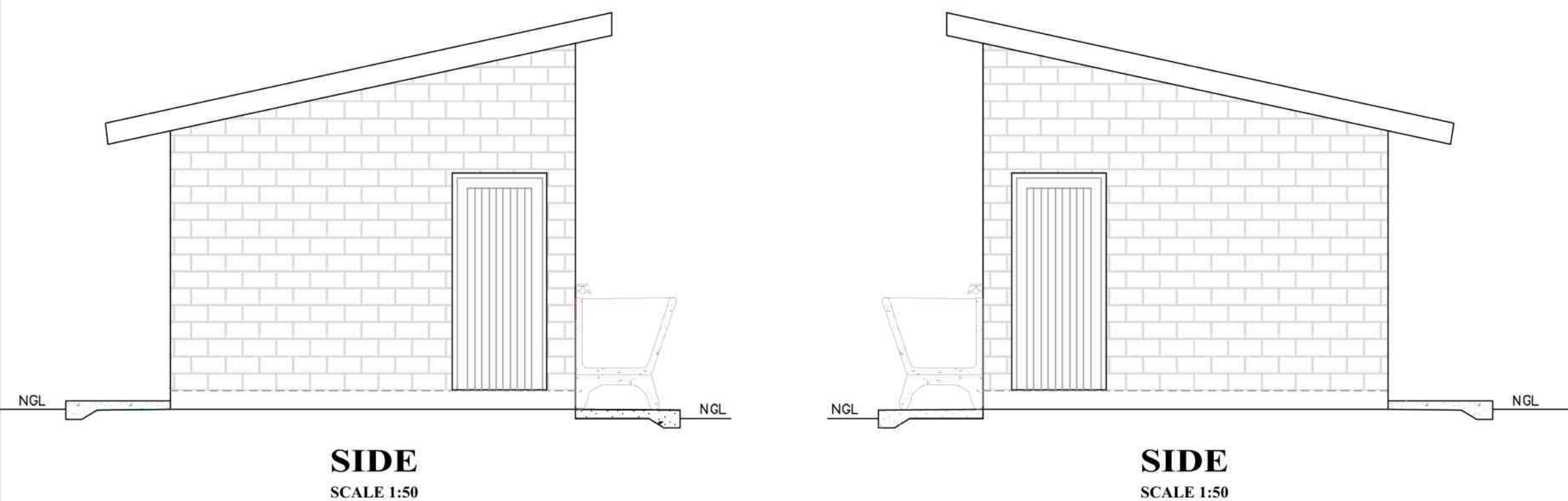
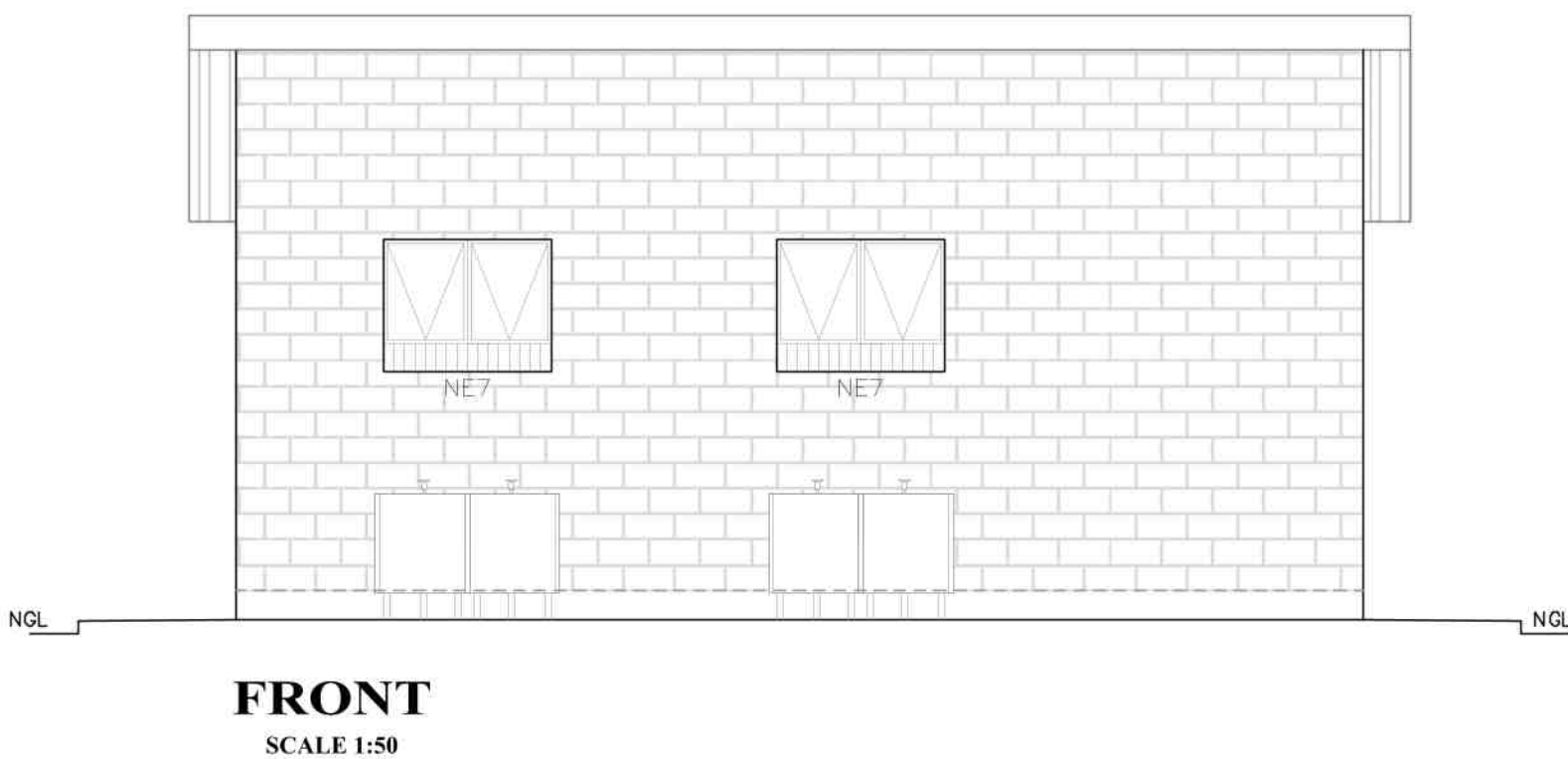
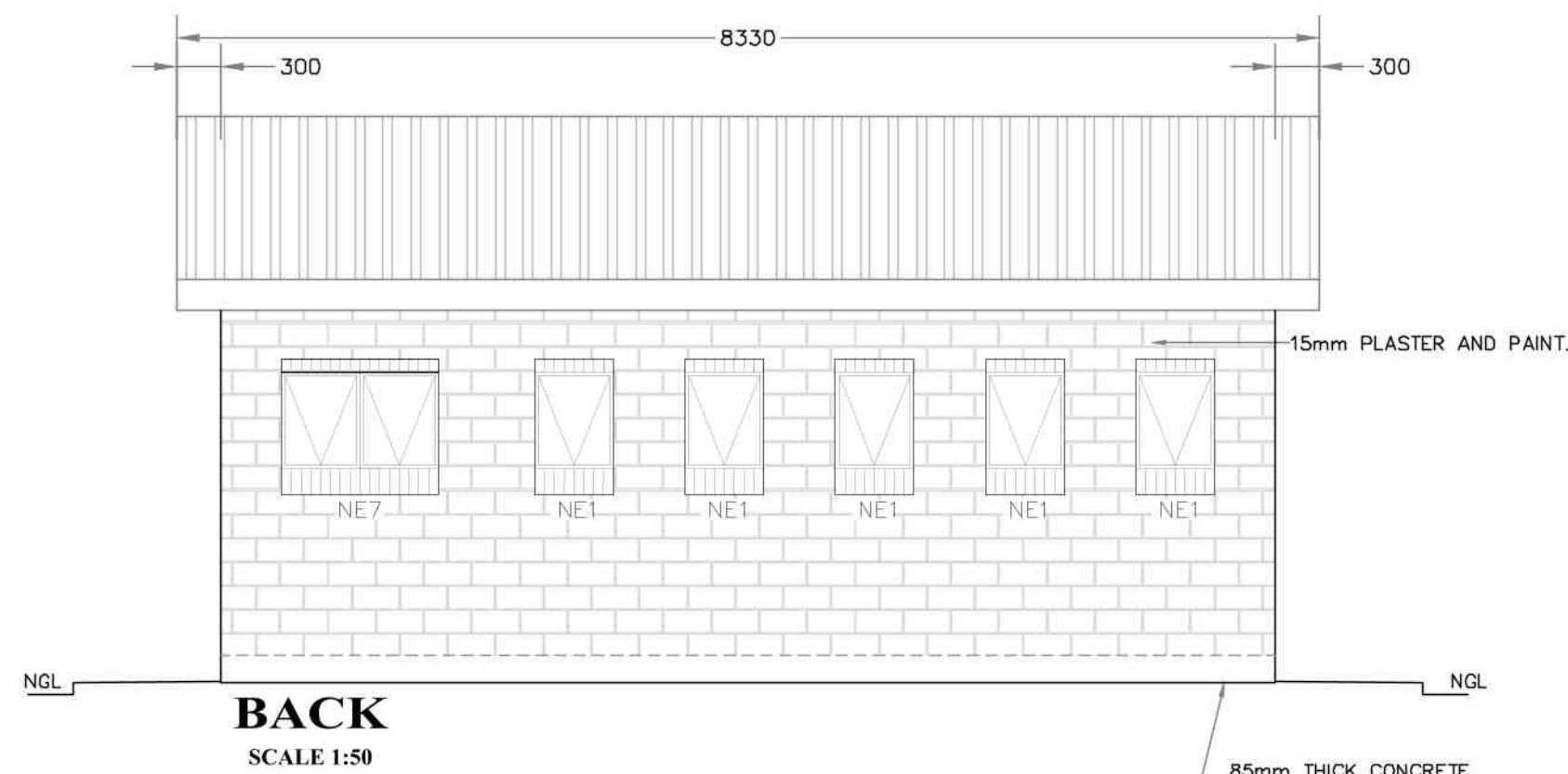


FD5



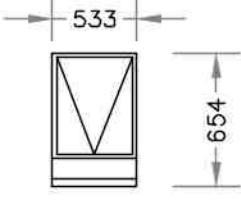
**FLOOR LAYOUT**  
SCALE 1:50



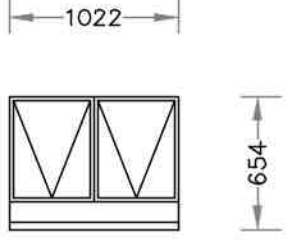
## GENERAL NOTES:

- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATION AND SABS 0400 OF 1990
- CONTRACTOR TO READ ONLY FIGURED DIMENSION
- CONTRACTOR TO VERIFY ALL DIMENSION ON SITE BEFORE COMMENCING WITH ANY WORK.

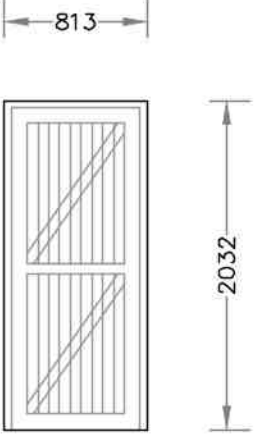
## WINDOW SCHEDULE

|                                                                                     |                                                                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                                                                |
| WINDOW NO.                                                                          | N1                                                                                                                                                             |
| CATALOGUE                                                                           | NE1                                                                                                                                                            |
| FRAME                                                                               | 533 x 654mm HIGH STANDARD STEEL WINDOW FRAME                                                                                                                   |
| FRAME FINISH                                                                        | SPOT PRINING DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS EPWP GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL |
| GLAZING                                                                             | 4mm OBSCURE GLASS ON TOP NINE PANES                                                                                                                            |
| NO. REQUIRED                                                                        | 5                                                                                                                                                              |

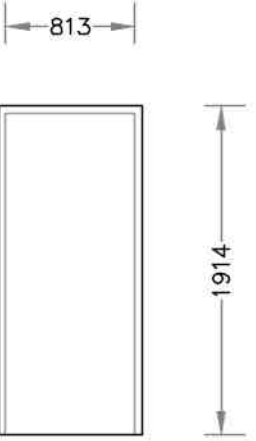
## WINDOW SCHEDULE

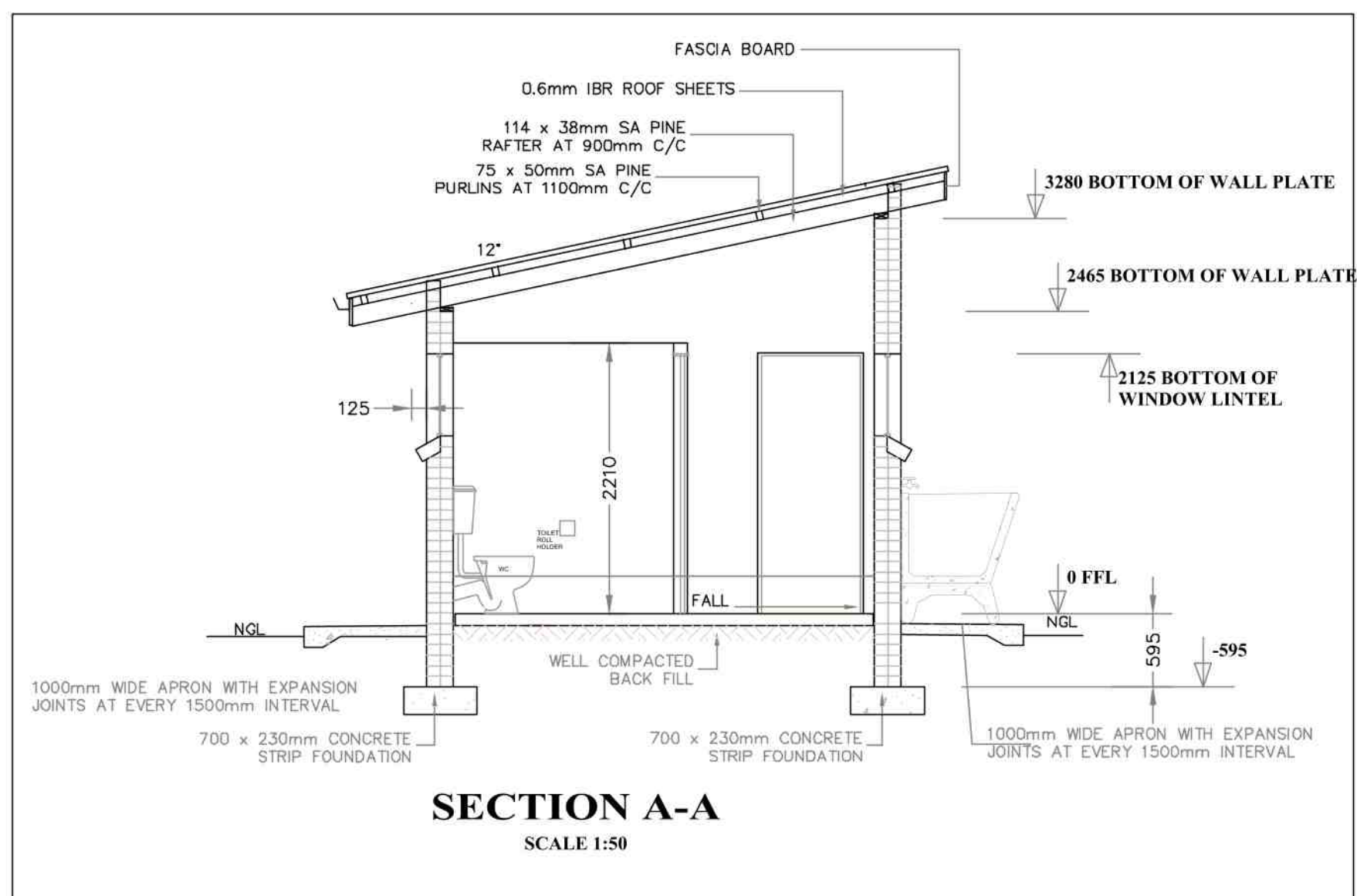
|                                                                                     |                                                                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                                                                |
| WINDOW NO.                                                                          | N2                                                                                                                                                             |
| CATALOGUE                                                                           | NE7                                                                                                                                                            |
| FRAME                                                                               | 1022 x 654mm HIGH STANDARD STEEL WINDOW FRAME                                                                                                                  |
| FRAME FINISH                                                                        | SPOT PRINING DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS EPWP GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL |
| GLAZING                                                                             | 4mm CLEAR FLOAT GLASS ON TOP NINE PANES                                                                                                                        |
| NO. REQUIRED                                                                        | 3                                                                                                                                                              |

## DOOR SCHEDULE

|                                                                                       |                                                                                                                         |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                         |
| DOOR NO.                                                                              | SINGLE REBATE STEEL FRAME TO FIT 220mm WALL (D1)                                                                        |
| CATALOGUE                                                                             | PRIME AND PAINT UNDERCOAT AND 2no. FINISHING COATS IN GLOSS ENAMEL                                                      |
| DOOR LEAF                                                                             | 44mm FRAMED DOOR 813 x 2032mm HIGH MIDDLE LEDGE & BRACES, & 22 x 220mm BOTTOM ONE SIDE BOARDING INCLUDING WEATHER-BOARD |
| LEAF FINISH                                                                           | 2no. EPWP GOLDEN BROWN HIGH GLOSS ENAMEL PAINT                                                                          |
| LOCK                                                                                  | 3 LEVER MORTICE LOCK STANDED AS PER MANUFACTURE                                                                         |
| NO. REQUIRED                                                                          | 2                                                                                                                       |

## DOOR SCHEDULE

|                                                                                       |                                                                               |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
|  |                                                                               |
| DOOR NO.                                                                              | SINGLE REBATE STEEL FRAME TO FIT 110mm WALL (D2)                              |
| CATALOGUE                                                                             | PRIME AND PAINT UNDERCOAT AND 2no. FINISHING COATS IN EPWP BROWN GLOSS ENAMEL |
| DOOR LEAF                                                                             | 813 x 2032 x 44mm SEMI SOLID DOOR                                             |
| LEAF FINISH                                                                           | 4no. EPWP GOLDEN BROWN HIGH GLOSS ENAMEL PAINT                                |
| LOCK                                                                                  | 2 LEVER MORTICE LOCK STANDARD AS PER MANUFACTURE WITH BARREL BOLT             |
| NO. REQUIRED                                                                          | 5                                                                             |



| NO. | DATE | REVISION | DRAWN |
|-----|------|----------|-------|
|     |      |          |       |
|     |      |          |       |
|     |      |          |       |
|     |      |          |       |
|     |      |          |       |
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|     |      |          |       |
|     |      |          |       |
|     |      |          |       |

NOTES AND SPECIFICATIONS:  
GENERAL:  
1. Use dimensions provided and do not add drawing.  
2. All work to comply with SANS, PN371 and SABS.  
3. All dimensions, levels and positions to be verified on site prior to construction.  
4. All concrete work to be as per Engineer's details and specifications.  
5. All pits to face North.  
6. All brickwork have brickforce at every 2nd course in pit lining and 3rd course in superstructure.

PIT EXCAVATION:  
1. All slopes of pit excavation to be inspected and approved by Engineer and signed off.  
2. All pit lining to be inspected by EnviroLoos Services before slab casting.

COMPACTION OF SURFACES:  
All ground surfaces receiving concrete floors / slab should be compacted to 150mm layers S35 ModuSSTD densely before casting concrete.

CONCRETE WORKS:  
1. All concrete to be as per Engineer's details and specifications.  
2. 28 MPa strength concrete to be used throughout construction.  
Total Concrete Mixes: Proportions  
Concrete Strength at 28 Days 25MPa  
1 : 2 : 2 (mix proportion by volume)  
1 bag cement : 0.02m<sup>3</sup> Sand : 0.02m<sup>3</sup> Stone (Volume/Bag)  
355 kg cement : 820 kg sand : 940 kg stone (Mass/7m<sup>3</sup>)  
3. Pre-cast concrete lintels to be used as support under top slab of pit.  
4. All concrete aprons to be 1000mm wide.

MORTAR:  
Mixed proportions to be:  
1 cement : 3 sand  
(i.e. 1 bag cement : 3 wheelbarrows (37 litres) sand)

BRICKWORK:  
Sub-structure:  
1. All pit lining / foundation brickwork to be solid NFP clay brick.  
2. All internal surface of pit lining to be pointed with two coats block expoxy point installing Enviro-Loo units.  
Super-structure:  
1. All external walls / partitions to be of clay face brick to SABS quality.  
2. All cubicle partition walls to be 3 courses above door height.  
3. All brickwork above door openings should have brickforce on every course at least 3 courses.  
4. Air bricks: Standard 230x152mm terra-cotta vermin proofed louvered air grating to be used above all window openings.

ROOF SHEETING:  
1. 0.6mm killock chromadek roof sheeting  
ROOF TIMBER / CEILING:  
1. All roof timbers to be machined SABS treated wood with three coats of approved wood preservative.  
2. Timber connections (Hurricane Clips) are required at intercessions between timber rafters and purlins.  
3. Slatation is to be applied interval under all roof surfaces.

METALWORK:  
1. All metalwork should be primed before installation.  
2. All steel window should have 6x20mm flat bar burglar proofing.  
PLUMBING:  
1. Double concrete wash trough to be used.  
2. All wash troughs should be connected to the school's water supply system and the waste water should be piped to a soakaway.  
3. The soakaway should be as per Engineer's detail and position to be determined on site.  
4. Only 200mm and galvanised pipework should be used as connection from wall to the discharge points.  
GLAZING:  
1. 6.28mm obscure safety glass:  
PAINTING:  
1. All paintwork to comply with SABS and PN371 specification.  
2. All steel window and door frames including doors and fascia / barge boards to be discharge points.

CONSULTANTS

  
AES CONSULTING CC  
OFFICE NO. 7, 125 MARSHALL ST.  
POLOKWANE  
0700  
TEL: 015 291 3305  
email: admin@aesconsulting.co.za

|           | SIGNATURE       | DATE      | SHEET SIZE                                                                  |
|-----------|-----------------|-----------|-----------------------------------------------------------------------------|
| DESIGNED  | TSHEPO MATSEKE  | 26-2-2020 | A1                                                                          |
| DRAWN     | TAWANDA NZVENGE | 26-2-2020 | SCALE                                                                       |
| VERIFIED  | TSHEPO MATSEKE  |           | AS SHOWN                                                                    |
| VALIDATED |                 |           | STATUS LEGEND<br>I INFORMATION<br>F FINISH<br>C CONSTRUCTION<br>AB AS BUILT |

|                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IMPLEMENTED BY                                                                                                                                                                                                                                     |
| <br>A leading developmental NGO<br>THE MVULA TRUST<br>25 RHODESDRIFT STR, RHODESDRIFT OFFICE PARK<br>POLOKWANE<br>0699<br>TEL: 015 291 2405 FAX: 015 291 1270 |

|                                                                                                                     |
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| SPONSOR                                                                                                             |
| <br>DEPARTMENT OF<br>EDUCATION |

|                                                                                                          |
|----------------------------------------------------------------------------------------------------------|
| PROJECT                                                                                                  |
| LDoE 2019/20 - Limpopo Department of Education Schools Water and Sanitation Programme - KABELO SECONDARY |
| PROVINCE: LIMPOPO                                                                                        |
| DRAWING TITLE                                                                                            |
| GIRLS 5 SEAT WATER-BORNE TOILET                                                                          |

| EMIS NUMBER | DISCIPLINE                             | DRAWING No. | STATUS | REVISION |
|-------------|----------------------------------------|-------------|--------|----------|
|             | CIVIL ENGINEERING & PROJECT MANAGEMENT | FD5-D       |        |          |