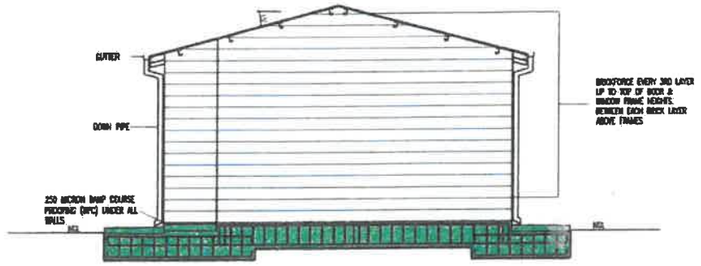
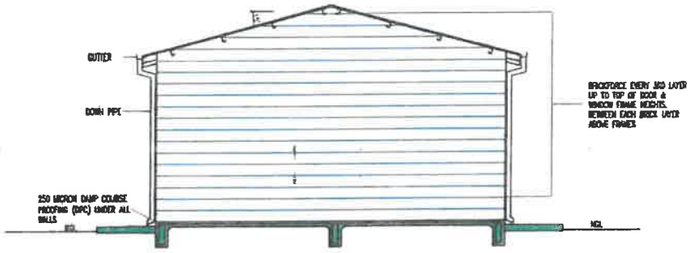
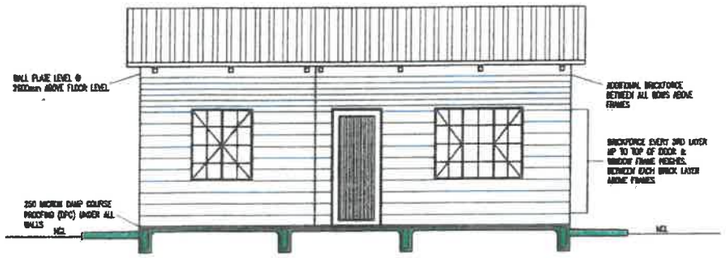


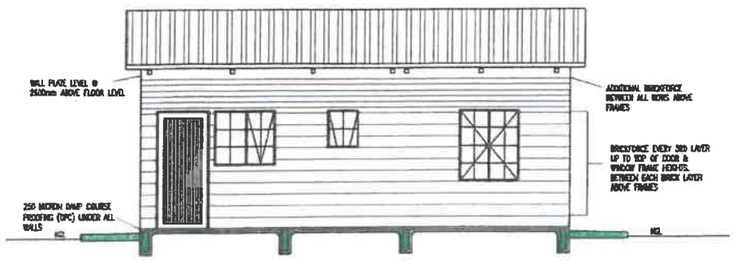
ARRANGEMENT OF BRICKFORCE
RIGHT VIEW
scale 1:50



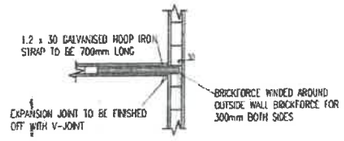
ARRANGEMENT OF
BRICKFORCE LEFT VIEW
scale 1:50



ARRANGEMENT OF BRICKFORCE FRONT
VIEW
scale 1:50



ARRANGEMENT OF BRICKFORCE BACK
VIEW
scale 1:50



TYPICAL UNBOUND WALL JOINT DETAIL
scale 1:25

1. GENERAL NOTES

1.1. THESE NOTES ARE COMPLIMENTARY TO THE SPECIFICATIONS AND WILL RANKEN IN THE CASE OF ANY CONFLICTS.

1.2. THE DRAWING ARE TO BE READ IN CONJUNCTION WITH THE DRAWINGS OF OTHER CONSULTANTS AND SPECIALISTS, IF ANY.

1.3. ALL SETTING OUT DIMENSIONS SHALL BE CHECKED ON SITE BY THE CONTRACTOR AGAINST THE DRAWINGS. ANY DISCREPANCIES SHALL IMMEDIATELY BE REPORTED TO BOTH THE ENGINEER AND ARCHITECT FOR RECTIFICATION.

1.4. THE DRAWINGS SHALL NOT BE SCALED, AND ONLY WRITTEN DIMENSIONS MAY BE USED, THE ENGINEER WILL PROVIDE ANY ADDITIONAL DIMENSIONS WHICH MAY BE REQUIRED.

2. CONCRETE NOTES

2.1. ALL CONCRETE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SABS 0 SERIES, SABS 0100 AND THE NATIONAL BUILDING REGULATIONS UNLESS OTHERWISE STATED ON THE DRAWINGS.

2.2. CONCRETE SHALL BE "STRENGTH GRADE CONCRETE (MPa)"/"MAXIMUM STONE SIZE (mm)"AS SPECIFIED BELOW UNLESS OTHERWISE STATED:

BLINDING	Grade 25/19
STRIP FOOTINGS & RAFTS	Grade 25/19
SURFACE BEDS	Grade 25/19
SLABS	Grade 25/19

2.3. THE CONTRACTOR SHALL ENSURE THAT ALL REINFORCEMENT IS PROPERLY HELD IN POSITION AND SHALL ALSO MAINTAIN THE CORRECT CONCRETE COVER (ALLOWING APPROVED PATENT SPACERS (NOT STONES, OFFCUT REINFORCEMENT, ETC.) AT ALL TIMES.

2.4. UNLESS OTHERWISE SPECIFIED, THE CONCRETE COVER SHALL BE THE GREATER OF THE BAR OR THE VALUES IN mm AS BELOW.

FOUNDATION BOTTOM	50
FOUNDATION TOP AND SIDES	50
SLABS TOP AND BOTTOM	25mm

2.5. ALL CONCRETE SHALL BE MECHANICALLY COMPACTED THROUGH THE USE OF VIBRATORS.

2.6. CONCRETE SHALL BE CAST CONTINUOUSLY, IF STOPPAGES OF MORE THAN 40 MINUTES ARE UNAVOIDABLE, CONSTRUCTION JOINTS SHALL BE FORMED IN THE POSITIONS AND ACCORDING TO THE DETAILS PROVIDED BY THE ENGINEER.

2.7. ALL STRUCTURAL CONCRETE SHALL BE CONTINUOUSLY CURED FOR AT LEAST 7 DAYS USING METHODS APPROVED BY THE ENGINEER.

3. REINFORCEMENT NOTES

3.1. REINFORCEMENT INDICATED BY THE SYMBOL R SHALL BE SMOOTH MILD STEEL TYPE, HAVING A STRENGTH OF 250 MPa.

3.2. REINFORCEMENT INDICATED BY THE SYMBOL Y SHALL BE TYPE C CLASS 2 OF TYPE D DEFORMED HIGH TENSILE STEEL BARS HAVING CHARACTERISTIC STRENGTH 450 MPa.

3.3. STANDARD WELDED MESH IN ACCORDANCE WITH SANS 1024 IS INDICATED AS MESH REF. xxx. (WHERE xxx/100kg STEEL PER SQUARE METER).

4. FOUNDATION NOTES

4.1. NO FOUNDATION MAY BE CAST BEFORE THE ENGINEER HAS INSPECTED THE EXCAVATIONS, REINFORCING, 250 MICRON DAMP COURSE, COVER BLOCKS AND APPROVED ALL IN WRITING.

4.2. 50mm THICK BLINDING MAY BE PROVIDED UNDER FOUNDATIONS IF REQUIRED BY THE ENGINEER.

4.3. THE REQUIRED MINIMUM GROUND BEARING CAPACITY UNDER FOUNDATIONS IS 140kPa.

4.4. COLLAPSIBLE SOILS TO BE REMOVED TO THE DEPTH APPROVED BY THE ENGINEER AND REPLACED BY SOILCRETE AND IMPORTED GRAVEL MEDIUM COMPACTED AS INSTRUCTED BY THE ENGINEER.

4.5. SOIL PLATFORM REQUIRED UNDER THE SURFACE BED SHALL BE 300mm THICK CLASS G6 OR G7 AND COMPACTED TO 93% MOD. ASHTO DENSITY, 3m WIDER THAN OUTSIDE PERIMETER OF HOUSE.

4.6. 1 600mm APRON SLAB AROUND HOUSE @ 1in 75 CROSSFALL.

4.7. 2100mm SOIL PLATFORM FROM APRON SLAB TO BE SHAPED @ 3% CROSSFALL AWAY FROM HOUSE.

4.8. ALL FLOOR LEVELS TO BE AT LEAST 150mm HIGHER THAN THE NEAREST STREET NEIGHT

5. BRICKWORK

5.1. ALL LOAD BEARING BRICK WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE SANS 0164 AND THE NATIONAL BUILDING REGULATIONS FOR BRICKS HAVING A MINIMUM CRUSHING STRENGTH OF 7MPa AND USING CLASS 1 MORTAR FOR FOUNDATIONS AND CLASS 6 FOR THE SUPERSTRUCTURE.

5.2. PROVIDE BRICKFORCE EVERY COURSE ABOVE WINDOW/DOOR FRAMES AND EVERY 2ND COURSE ON OUTSIDE WALLS AND EVERY 3RD CORRESPONDING COURSE IN INSIDE WALLS.

5.3. PROVIDE HEAVY DUTY WALL TIES (4 PER m2) TO ALL CAVITY WALLS.

5.4. BRICKWORK SHALL BE CORRECTLY AND FULLY BEDDED AND ALL JOINTS SHALL BE FILLED WITH MORTAR IN CAVITY WALLS.

5.5. ALL DOOR AND WINDOW FRAMES SHALL BE BEDDED IN MORTAR ALL ROUND WITHOUT ANY VOIDS BETWEEN FRAMES AND BRICKWORK.

5.6. CLOSURES AT BEAM FILLING & GABLE ENDS : BRICKS TO BE CUT AT GABLE ENDS FOR SMOOTH FINISH.

6. PLUMBING NOTES

6.1. VENT PIPES TO BE 50mm ø PVC

6.2. ALL SEWER PIPES TO BE 110mm ø SMOOTH WALLED PVC CLASS 400 kPa.

6.3. ALL WASTE WATER PIPES TO BE 50mm ø PVC CLASS 400 kPa.

6.4. ALL WATER PIPES TO BE 20mm ø CLASS 10.

6.5. MINIMUM COVER TO PIPES = 450mm.

6.6. MINIMUM FALL = 1:60. MAXIMUM FALL 1:5.

6.7. IE'S AND RE'S TO ALL CHANGE OF DIRECTION IN SEWER UNLESS IN MANHOLE

6.8. IE ON ALL WASTE PIPES.

7. ELECTRICAL NOTES

7.1. PROVIDE SLEEVES FOR ELECTRICAL CABLES.

	533 / 854	1022 / 854	1022 / 1245	1511 / 1245	877 / 2064	877 / 2064	877 / 2064
CATALOGUE NO	E1	G2	D2	D4	EXTERIOR DOOR AT BACK D1B	EXTERIOR DOOR AT FRONT D1A	INTERIOR DOOR
DESCRIPTION	RESIDENTIAL SMALL PAYNE SECTION AS SHOWN FINISHED OFF IN RED - OXIDE PRIMER UNDERCOAT AND TWO COATS OF ENAMEL PAINT. ALL GLASS PANELS 3mm FROSTED	RESIDENTIAL SMALL PAYNE SECTION AS SHOWN FINISHED OFF IN RED - OXIDE PRIMER UNDERCOAT AND TWO COATS OF ENAMEL PAINT. ALL GLASS PANELS 3mm CLEAR	RESIDENTIAL SMALL PAYNE SECTION AS SHOWN FINISHED OFF IN RED - OXIDE PRIMER UNDERCOAT AND TWO COATS OF ENAMEL PAINT. ALL GLASS PANELS 3mm CLEAR	RESIDENTIAL SMALL PAYNE SECTION AS SHOWN FINISHED OFF IN RED - OXIDE PRIMER UNDERCOAT AND TWO COATS OF ENAMEL PAINT. ALL GLASS PANELS 3mm CLEAR	COMBINATION STANDARD 1,2mm PRESSED STEEL SINGLE REBATE FRAME AND DOOR COMPLETE FIT 4-LEVER LOCKSET. FINISHED OFF IN RED -OXIDE PRIMER UNDERCOAT AND TWO COATS OF ENAMEL PAINT.	STANDARD 1,2mm PRESSED STEEL SINGLE REBATE FRAME FINISHED OFF IN RED-OXIDE PRIMER UNDERCOAT AND TWO COATS OF ENAMEL PAINT. 40mm NERANTI DOOR COMPLETE FIT 4-LEVER LOCKSET. FINISHED WITH TWO COATS OF CLEAR WATERPROOF VARNISH	STANDARD 1,2mm PRESSED STEEL SINGLE REBATE FRAME FINISHED OFF IN RED -OXIDE PRIMER UNDERCOAT AND TWO COATS OF ENAMEL PAINT. 40mm HOLLOW CORE DOOR COMPLETE WITH 2-LEVER LOCKSET FINISHED WITH TWO COATS OF ENAMEL PAINT.
QUANTITY	1	1	2	1	1	1	3

GENERAL NOTES:

FOR CONSTRUCTION

POTCHEFSTROOM OFFICE

REFERENCE DRAWINGS

Description	Number

REVISIONS

Date	No.	Amendments	Approved
JUL 16	01	Change House Area from 45m² to 40m² outside of the outside walls and Change Roof Fixing Hoop to 700mm long min.	EJVV
JUN 17	02	Change Roof Trusses to Lightweight Steel Construction	EJVV

Client :
DEPARTMENT OF CO-OPERATIVE GOVERNANCE HUMAN SETTLEMENTS AND TRADITIONAL AFFAIRS NORTHERN CAPE
REPUBLIC OF SOUTH AFRICA

Drawing Title
BRICKFORCE, WINDOWS AND DOORS SCHEDULE AND NOTES

Ref. no.	2/16/006	Designed	AWC/SJS
Scale	As Shown	Drawn	AWC/SJS
Date	JUNE 2016	Checked	E.J. Van Vuuren

Approved by:

Drawing no. 2/16/006/14/U002

Drawing Number 2/16/006/14/U002

REV 02