1. GENERAL

1.1 THE CONTRACTOR SHALL CHECK ALL PROJECT DIMENSIONS ON SITE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

1.2 ALL SANS SPECIFICATIONS MENTIONED IN THE NOTES, ON THE DRAWINGS AND IN THE PROJECT SPECIFICATIONS MUST BE AVAILABLE AT ALL TIMES ON SITE.

1.3 ALL ENGINEERS' INSTRUCTIONS MUST BE RECORDED IN THE SITE INSTRUCTION BOOK. NO VERBAL INSTRUCTIONS ARE VALID

1.4 NO PRODUCT OR ALTERNATIVE DESIGNS OTHER THAN THAT PRESCRIBED MAY BE USED UNLESS WRITTEN APPROVAL FROM THE ENGINEER IS OBTAINED, AND ALTERNATIVE DESIGN/DRAWINGS ARE TO BE SUBMITTED AT NO EXTRA COST TO THE CLIENT.

1.5 THE LIVE LOADS FOR WHICH THE STRUCTURE HAS BEEN DESIGNED ACCORDING TO SANS 0160 IS AS FOLLOWS:
FLOOR SLABS 2,5kPa
INACCESSIBLE ROOFS 0,5kPa
STAIR 3,0kPa

1.6 CARE MUST BE EXERCISED TO ENSURE THAT WATERPROOFING MEMBRANES AND FILTERS ARE NOT DAMAGED DURING CONSTRUCTION. WATER PROOFING BY SPECIALIST.

1.7 THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE DRAWINGS AND PROJECT SPECIFICATIONS.

1.8 STRUCTURAL DRAWINGS MUST BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY (INCLUDING DIMENSIONS AND LEVELS)

1.9 WRITTEN DIMENSIONS TO TAKE PREFERENCE OVER SCALED DIMENSIONS - DO NOT SCALE OFF DRAWING - ASK FOR REQUIRED DIMENSIONS.

2. EARTHWORKS AND FOUNDATIONS

2.1 ALL EARTHWORKS TO BE DONE IN ACCORDANCE WITH SANS 1200D AND THE RELEVANT DRAWINGS.

2.2 THE MAXIMUM ALLOWABLE SOIL BEARING PRESSURE UNDER FOUNDATIONS IS:
FOUNDATION IN CUT KPA 250kPa
FOUNDATION IN FILL KPA 150kPa

2.3 THE CONTRACTOR IS RESPONSIBLE FOR THE CHANNELING OF STORMWATER AWAY FROM THE STRUCTURE AND FOR THE LOCAL PROTECTION OF THE STRUCTURE AND SURFACE BEDS AGAINST DAMAGE CAUSED BY STORMWATER DURING CONSTRUCTION.

2.4 BEFORE ANY EXCAVATION FOR FOUNDATIONS COMMENCES, ALL DIMENSIONS ARE TO BE CHECKED WITH ARCHITECT'S DRAWINGS AND ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ENGINEER'S ATTENTION.

2.5 ALL EXCAVATIONS TO BE INSPECTED AND APPROVED IN WRITING BY AN ENGINEER FROM THIS OFFICE.

2.6 LEVELS OF BASES AS SHOWN ARE PRELIMINARY AND HAVE TO BE CONFIRMED BY THE ENGINEER ON SITE IN ORDER TO OBTAIN THE SPECIFIED ALLOWABLE SOIL BEARING PRESSURE.

2.7 BACKFILLING ON COLUMN BASES SHALL BE DONE WITH APPROVED MATERIAL IN ACCORDANCE WITH THE PROJECT SPECIFICATION.
2.8 NO FOUNDATIONS ARE TO BE CAST IN FILL. OVER EXCAVATIONS TO BE FILLED WITH 10 MPA/19 CONCRETE (AT CONTRACTOR'S EXPENSES).
2.9 A 50MM THICK BLINDING LAYER (10 MPA/19MM) SHALL BE CAST UNDER ALL FOUNDATIONS OF THE CONCRETE STRUCTURE AT THE DISCRETION OF THE ENGINEER. ALTERNATIVELY A 250 MICRON DPC MEMBRANE MAY BE PLACED IN THE TRENCH.
2.10 ALL FOOTINGS ARE PLACED SYMMETRICALLY BELOW COLUMNS AND BRICKWORK UNLESS OTHERWISE SHOWN.

3. CONCRETE

3.1 ALL CONCRETE WORK TO BE DONE IN ACCORDANCE WITH SANS 1200G.

3.2 CONCRETE STRENGTHS:
WALL FOOTINGS: 15 MPa/19MM (UNREINFORCED)
WALL FOOTINGS: 25 MPa/19MM (REINFORCED)
BASES: 25 MPa/19MM (REINFORCED)
COLUMNS: 30 MPa/19MM
BEAMS: 25 MPa/19MM
SUSPENDED SLABS: 25 MPa/19MM
LIGHT INDUSTRIAL FLOORS: 30 MPa/19MM (REINFORCED)
DOMESTIC SURFACE BEDS: 20 MPa/19MM

3.3 ALL CASTING PROCEDURES, CONSTRUCTION METHODS AND POSITIONING OF CONSTRUCTION JOINTS SHALL BE SUBMITTED TO THE ENGINEER IN WRITING FOR HIS APPROVAL.

3.4 THE CONTRACTOR SHALL CO-ORDINATE ALL SERVICES DRAWINGS WITH STRUCTURAL DRAWINGS FOR DETAILS AND POSITIONS OF OPENINGS AND SLEEVES REQUIRED FOR STORMWATER, SEWERAGE, DRAINAGE, ELECTRICAL, MECHANICAL AND OTHER SERVICES. (CLASHES TO BE REPORTED TO ENGINEER)

3.5 THE CONTRACTOR IS TO OBTAIN THE NECESSARY APPROVAL BEFORE ANY HOLES OR SERVICES NOT INDICATED ON THE DRAWINGS ARE CONSTRUCTED.

3.6 MINIMUM CONCRETE COVER TO REINFORCING EXCEPT WHERE NOTED OTHERWISE ON BENDING SCHEDULES IS AS FOLLOWS:
FOUNDATIONS 50MM
COLUMNS: MAIN REINFORCEMENT 40MM
RETAINING WALLS: SIDE OF SOIL 40MM
: OTHER SIDE 25MM
STIRRUPS IN BEAMS 40MM
SLABS 30MM OR THICKNESS OF MAIN REINFORCMENT
WHICHEVER IS THE GREATEST.

3.7 BEAM DIMENSIONS ON PLAN ARE GIVEN AS A X B WHERE A = WIDTH AND B = DEPTH.

3.8 SEE ARCHITECT'S DRAWINGS FOR DETAIL AND POSITIONS OF RWP'S.

3.9 ALL SURFACE BEDS ARE TO BE REINFORCED WITH 311 MESH UNLESS NOTED OTHERWISE.

3.10 NO BRICKWALLS ARE TO BE CONSTRUCTED ON THE SUSPENDED SLABS BEFORE THE 28 DAY STRENGTH HAS BEEN OBTAINED AND ALL PROPS HAVE BEEN REMOVED.

3.11 THE STRENGTH OF CONCRETE COVER BLOCKS HAVE TO BE AT LEAST OF THE SAME STRENGTH AS THE STRUCTURAL ELEMENT IT IS BEING USED IN.

3.12 SHUTTERING SHALL BE FREE FROM SHAVINGS, DUST DIRT, PIECES OF WIRE, ETC, BEFORE CASTING OF CONCRETE.

3.13 ALL COLUMNS SHALL BE CURED WITH AN APPROVED PLASTIC MEMBRANE.

3.14 IF KICKERS ARE REQUIRED, THEY SHALL BE CAST WITH THE SAME STRENGTH CONCRETE AS AND MONOLITHIC WITH THE CONCRETE ELEMENTS BELOW THEM. THE CONCRETE IN KICKERS SHALL BE THOROUGHLY COMPACTED AND CURED.

3.15 STRIPPING TIMES OF SHUTTERING AND PROPPING SHALL BE IN ACCORDANCE WITH SANS 1200G (REFER TO ATTACHED TABLE).
3.16 PROPPING FOR BEAMS SHALL REMAIN IN POSITION UNTIL THE MINIMUM SPECIFIED TIME HAS EXPIRED AFTER CASTING THE CONCRETE.
3.17 A 20 X 20MM CHAMFER SHALL BE PROVIDED ON ALL CORNERS OF OFF-SHUTTER CONCRETE IN COLLABORATION WITH THE ARCHITECT.
3.18 SEE ARCHITECT'S DRAWINGS FOR POSITIONS OF V-JOINTS AND DRIP JOINTS IN OFF-SHUTTER CONCRETE.

3.19 CONCRETE CUBES TO BE TAKEN 1 PER 30M3 OF CONCRETE AND TO BE TESTED BY AN APPROVED LABORATORY AS FOLLOWS:
1 @ 7 days
2 @ 28 DAYS
ALL RESULTS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
3.20 UNLESS NOTED OTHERWISE, THE FOLLOWING CAMBERS ARE TO BE PROVIDED:
CANTILEVER BEAMS AND SLABS SPAN/150
OTHER BEAMS AND SLABS SPAN/400

4. REINFORCEMENT

4.1 BENDING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH SANS 082.

4.2 IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN REINFORCEMENT IN ITS CORRECT POSITION DURING CASTING OF CONCRETE.

4.3 REINFORCEMENT SHALL BE FIXED TO COMPLY WITH THE TOLERANCES AS SPECIFIED IN SANS 1200G AND/OR THE PROJECT SPECIFICATION.

4.4 NO HEAT TREATMENT OR CUTTING OF STEEL WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER SHALL BE ALLOWED.

4.5 THE CONTRACTOR SHALL EXERCISE CARE THAT NO DAMAGE TO WATERPROOFING MATERIALS UNDERNEATH SURFACE BEDS ARE CAUSED DURING FIXING OF STEEL OR OTHER OPERATIONS. THE COST TO REPAIR OR REPLACEMENT OF MATERIALS SHALL BE AT THE CONTRACTOR'S EXPENSE.

4.6 NO CONCRETE MAY BE POURED WITHOUT THE WRITTEN APPROVAL OF THE REINFORCEMENT BY AN ENGINEER FROM THIS OFFICE.

4.7 COLUMN REINFORCEMENT TO BE ADJUSTED AFTER LEVELS TO FOUNDATIONS HAVE BEEN ESTABLISHED ON SITE. CONTRACTOR TO ARRANGE FOR SPLICE BARS.

5. BRICKWORK

5.1 MASONRY UNITS COMPLY TO THE FOLLOWING SPECIFICATIONS:
SANS 227
SANS 285
SANS 1215

5.2 BRICKWORK TO BE BUILT ACCORDING TO SANS 0164.

5.3 THE MINIMUM STRENGTH OF ALL LOADBEARING BRICKWORK IS TO BE 14 MPA.

5.4 THE MINIMUM STRENGTH OF MORTAR FOR BRICKWORK MUST BE CLASS 2 ACCORDING TO SANS 0164 PART 1-1980.

5.5 WALL TIES IN CAVITY WALLS MUST BE OF THE TWISTED TYPE AND BUILT IN AT 2/M2 (STAGGERED) OR SIMILAR APPROVED.

5.6 CONCRETE LINTELS TO BE SUPPLIED AND INSTALLED ABOVE ALL OPENINGS IN BRICKWORK IN ACCORDANCE WITH SUPPLIER'S SPECIFICATION.

5.7 BRICKWORK SHALL BE REINFORCED WITH AN APPROVED BRICKFORCE EVERY FOURTH COURSE.

5.8 ALL BRICKWORK ANCHORS, WALL TIES AND STRAPS SHALL BE HOT DIPPED GALVANIZED.

5.9 V-JOINTS ARE TO BE MADE IN PLASTERWORK WHERE BRICKWORK AND CONCRETE JOIN. THE V-JOINTS MUST CUT THROUGH THE PLASTER.

5.10 FOR DETAILS OF REINFORCED BRICK LINTELS SEE ARCHITECTS DRAWINGS.

5.11 WHERE INDICATED CAVITIES SHOULD BE FILLED WITH THE SAME STRENGTH CONCRETE AS THE ELEMENTS THEY ACT WITH.

5.12 REFER TO GENERAL WALL SECTIONS.

6. RIB AND BLOCK SLABS

6.1 THE DESIGN OF RIB AND BLOCK IS BASED ON HAVING 140MM X 50MM RIBS SPACED AT 650MM C/C (REFER TO CLAUSE 1.4 UNDER GENERAL ABOVE).

7. STRUCTURAL STEEL

7.1 CONTRACTOR SHALL OBTAIN ORDER FOR WORKS FROM THE MAIN CONTRACTOR.

7.2 ALL DESIGNS ARE SUBJECT TO THE SUBMISSION OF WORKSHOP DRAWINGS BY THE TRUSS MANUFACTURER FOR APPROVAL PRIOR TO COMMENCEMENT.

7.3 THE PAINT SPECIFICATION WILL BE SHOWN ON THE RELEVANT PLANS FOR THE APPROVAL OF THE QUANTITY SURVEYOR.

7.4 ALL STEEL SHALL BE 300W.

8. FORMWORK AND PROP STRIPPING TIMES

TYPE OF STRUCTURAL MEMBER OR FORMWORK	PORTLAND CEMENT AND PORTLAND CEMENT 15				RAPID HARDENING PORTLAND CEMENT AND RAPID HARDENING PORTLAND CEMENT 15				PORTLAND BLAST FURNACE CEMENT		
	WEATHER										
	HOT OR NORMAL	COOL	COLD		HOT OR NORMAL	COOL	COLD		HOT OR NORMAL	COOL	COLD
A) BEAM SIDES, WALLS, AND UNLOADED COLUMNS.	0.75	#	1.5	TIME IN DAYS	0.5	#	1	TIME IN DAYS	2	#	4
B) SLABS WITH PROPS LEFT UNDERNEATH.	4	#	7		2	#	4		6	#	10
C) BEAM SOFFITS WITH PROPS LEFT UNDERNEATH AND RIBS OF RIBBED FLOOR CONSTRUCTION.	7	#	12		3	#	5		10	#	17
D) SLAB PROPS (INCLUDING CANTILEVER)	10	#	17		5	#	9		10	#	17
E) BEAM PROPS (INCLUDING CANTILEVER)	14	#	21		7	#	12		14	#	21

: IN COOL WEATHER STRIPPING TIMES SHALL BE DETERMINED BY INTERPOLATION BETWEEN THE PERIODS SPECIFIED FOR NORMAL AND COLD WEATHER

8.1 WEATHER SPECS AS GIVEN IN SANS 1200G.

- COLD WEATHER: WEATHER CONDITIONS IN WHICH THE AMBIENT TEMPERATURE IS 5° C OR LESS
- COOL WEATHER: WEATHER CONDITIONS IN WHICH THE AMBIENT TEMPERATURE IS BETWEEN 5° AND 15°
- NORMAL WEATHER: WEATHER CONDITIONS IN WHICH THE AMBIENT TEMPERATURE IS BETWEEN15° AND 32°
- HOT WEATHER: WEATHER CONDITIONS IN WHICH THE AMBIENT TEMPERATURE IS HIGHER THAN 32°

9.0 CONCRETE SCREEDS AND TOPPINGS :

ALL SCREEDS AND TOPPINGS TO BE PLACED IN ACCORDANCE WITH THE ARCHITECTS FINISHING SCHEDULE., BUT PANEL SIZES SHOULD NOT EXCEED 9 SQUARE METER PANELS, CUT TO A MINIMUM DEPTH OF $\frac{1}{4}$ OF THICKNESS.

10. ALL STRUCTURAL JOINTS IN THE BUILDINGS MUST BE REFLECTED IN THE TILES AND PLASTER FINISHES. PLASTER IS REGARDED AS FINISHES.

9. STRUCTURAL STEEL

9.1 ALL STRUCTURAL STEEL MEMBERS WILL BE GALVANISED. (HOT DIPPED GALVANISED IN ACCORDANCE WITH SANS (121&32).

9.2 UNLESS NOTED OTHERWISE, THE STEELWORK INDICATED ON THE DRAWINGS HAS BEEN DESIGNED IN ACCORDANCE WITH SANS 10162. WORK TO BE CARRIED OUT TO SANS 1200 H UNLESS NOTED OTHERWISE

9.3 ALL STEEL, EXCEPT FOR COLD FORMED SECTIONS, TO BE GRADE EN 10025-2-S355JR TO EN 10025 / SANS 1431 UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL SUBMIT MILL CERTIFICATES TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION.

9.4 FABRICATION DRAWINGS OF THE ENGINEER MUST BE THOROUGHLY CHECKED BY THE MAIN CONTRACTOR PRIOR TO ORDERING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY SURVEY AND MEASURE ALL EXISTING STRUCTURES ONTO WHICH THE NEW STRUCTURE WILL CONNECT AND REPORT TO ENGINEER ANY DISCREPANCIES W.R.T THE ENGINEER'S FABRICATION DRAWINGS, PRIOR TO COMMENCEMENT OF FABRICATION.

9.5 UNLESS OTHERWISE NOTED, STRUCTURAL BOLTS TO BE GRADE 8.8 TO SANS 10162. MINIMUM DIAMETER TO BE 16MM UNLESS NOTED OTHERWISE. ALL BOLTS TO BE GALVANISED TO SANS SPECIFICATIONS AND BE SUPPLIED WITH EQUIVALENT NUTS AND 2 WASHERS. (UNLESS MODIFIED BY FOLLOWING SECTIONS).

9.6 ALL BOLTED CONNECTIONS TO USE MINIMUM TWO BOLTS, UNLESS NOTED OTHERWISE

9.7 ALL PLATES TO BE MINIMUM THICKNESS OF 10MM, UNLESS NOTED OTHERWISE

9.8 ALL WELDS TO BE 6MM FILLET WELDS, ALL ROUND, UNLESS NOTED OTHERWISE, TO SANS 1044 AND 1455. THE VISUAL APPEARANCE OF WELDS ON EXPOSED STEELWORK IS TO BE AGREED WITH THE ENGINEER PRIOR TO FABRICATION. SAMPLES ARE TO BE PROVIDED WHERE REQUESTED OR AS INDICATED ON THE DRAWINGS. ALL WELDING TO BE UNDERTAKEN AT AN APPROVED FABRICATION WORKSHOP. WELDING ON SITE IS NOT PERMITTED WITHOUT THE CONSENT OF THE ENGINEER. THE CONTRACTOR SHALL SUBMIT, TO THE ENGINEER, THE DETAILS OF ANY OPERATIVES INVOLVED IN WELDING TO INDICATE THAT THEY ARE SUITABLY QUALIFIED

9.9 E70XX ELECTRODES TO BE USED WITH SURFACE PREPARATIONS IN ACCORDANCE WITH SANS 2001-CS1

9.10 ALL WELDS ARE TO BE VISUALLY EXAMINED FOR CORRECT SIZE, SHAPE, SLAG INCLUSIONS, CRACKS, UNDERCUT AND POROSITY. SELECTED WELDS ARE TO BE TESTED USING THE DYE PENETRATION METHOD. CRITICAL BUTT WELDS ARE TO BE TESTED USING ULTRASONIC EQUIPMENT

9.11 HOLDING DOWN BOLTS TO BE GALVANISED AND TO BE SET WITH SUITABLE MEANS OF ADJUSTMENT. METHOD TO BE APPROVED BY THE ENGINEER.

9.12 NO POST-FIXING SHALL BE ALLOWED UNLESS SPECIFIED BY THE ENGINEER OR WITH THE EXPRESS APPROVAL OF THE ENGINEER.

9.13 STEEL ITEMS EMBEDDED IN BRICKWORK ARE TO BE GALVANISED. ANY ADDITIONAL PAINT REQUIREMENTS WILL BE TO THE ARCHITECT'S REQUIREMENTS. ALL STEEL SUPPORT BRACKETS TO CONCRETE TO BE GALVANISED

9.14 ALL NECESSARY TEMPORARY BRACING AND SAFETY REQUIREMENTS FOR THE STEELWORK ARE THE RESPONSIBILITY OF THE CONTRACTOR DURING CONSTRUCTION OF THE WORKS.

9.15 TOLERANCES ARE TO BE IN ACCORDANCE WITH SANS 1200 H , DEGREE OF ACCURACY II.

9.16 PRIOR TO FABRICATION THE FABRICATOR AND THE MAIN CONTRACTOR ARE TO SURVEY THE EXISTING STRUCTURE TO CHECK AND CONFIRM THE LINE, LEVEL AND ELEMENT DIMENSIONS, THE CONTRACTOR IS TO INFORM THE ENGINEER OF ANY DISCREPANCIES AND PROPOSE HIS REMEDIAL WORKS. PRIOR TO DELIVERY TO SITE, THE ENGINEER MUST BE NOTIFIED FOR INSPECTION OF ALL STEEL ELEMENTS IN THE STEEL WORKSHOP.

9.17 GRATING (IF ANY) TO BE HOT DIPPED GALVANISED TO SANS 763, SERRATED AND BANDED.
9.18 ALL STRUCTURAL STEELWORK RELATED TO BUILDING PROJECTS TO CONFORM TO SANS 2001 CS1: 2005 EDITION 1.
9.19 ALL RELEVANT DIMENSIONS AND LEVELS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF FABRICATION.
9.20 ALL DOWNPIPE POSITIONS/PENETRATIONS TO BE CONNECTED BY ARCHITECT PRIOR TO PLACING OF CONCRETE.
9.21 UNLESS OTHERWISE STATED RAFTERS TO BE CONNECTED TO BRICKWORK/RC CONCRETE USING "TECO" BRACKETS OR SIMILAR APPROVED.
9.22 ALL STRUCTURAL STEEL WORK MUST COMPLY WITH SANS 10162-1: 2005.
9.23 ALL STEELWORK TO BE FABRICATED AND ERECTED IN ACCORDANCE WITH SANS 2001-CS1: 2005
9.24 HOT ROLLED MATERIAL TO BE GRADE 350W
9.25 ALL BOLT FIXINGS TO BE GRADE 8.8 GALVANISED MILD STEEL UNLESS OTHERWISE STATED.
9.26 COLD FORMED SECTIONS TO BE HOT DIPPED GALVANISED.
9.27 PAINTING TO BE IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE PAINT SYSTEM SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
9.28 WELDING AND SURFACE PREPARATION TO BE IN ACCORDANCE WITH SANS 2001-CS1.
9.29 WELDS MODIFICATIONS AND DAMAGED STEEL ELEMENTS TO BE DE-SCALED, DE-FLUXED AND PAINTED AS PER SPECIFICATIONS.

GENERAL NOTES:

1. ALL LEVELS AND DIMENSIONS TO BE COMPARED WITH THE ARCHITECT'S DRAWINGS AND CHECKED ON SITE. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND ARCHITECT IMMEDIATELY.

2. ALL SETTING OUT TO BE DONE TO ARCHITECT'S DRAWINGS.

3. LOADBEARING BRICKWORK: (220mm MINIMUM)
.1 BRICK STRENGTH: 14MPa
.2 MORTAR: CLASS II (1:6 MIN. MIX PROPORTIONS)

4. BRICK REINFORCEMENT:
2 LAYERS DIRECTLY ABOVE AND BELOW CONCRETE SLAB
2 LAYERS DIRECTLY ABOVE ALL OPENINGS IN LOADBEARING BRICKWORK, EVERY 4th COURSE.

5. CONTACT SURFACES:
2 LAYERS OF 3-PLY MATHOID TO BE PLACED BETWEEN ALL HORIZONTAL
10mm THICK SOFTBOARD OR SAGEX TO BE PLACED BETWEEN ALL VERTICAL CONTACT SURFACES FOR CONCRETE AND BRICKWORK.

6. CONCRETE STRENGTH:
.1 UNREINFORCED STRIP FOOTINGS:15MPa
.2 REINFORCED SLABS: 25MPa
.3 RETAINING WALLS: 25MPa

7. FOUNDATION SIZES:
DOUBLE STOREY BUILDINGS: 750mm WIDE X 250mm DEEP (FOR STABLE CONDITIONS ONLY) UNLESS INDICATED OTHERWISE.

8. ALL LIGHTRIBS, BLOCKS AND REINFORECEMENT TO BE CHECKED AND APPROVED IN WRITING BY AN ENGINEER FROM THIS OFFICE (OR APPOINTED REPRESEN- TATIVE) PRIOR TO CASTING CONCRETE.
NOTE:
WE CANNOT TAKE RESPONSIBILITY FOR THE DESIGN WITHOUT HAVING INSPECTED THE WORKS PRIOR TO CONCRETING. NO CERTIFICATE WILL BE ISSUED IF THE NECESSARY APPROVAL IS NOT OBTAINED.

9. CONSTRUCTION NOTES:
.1 REINFORCEMENT TO BE KEPT IN POSITION DURING CASTING CONCRETE.
.2 LIGHTRIBS TO BE PROPPED AT APPROX. 1.5m c/c AND TO HAVE AN UPWARD CAMBER OF RIBLENGTH/450 BEFORE BLOCKS ARE PLACED. PROPS TO REMAIN IN POSITION FOR 14 DAYS AFTER CASTING CONCRETE.
.3 MESH TO BE LIFTED DURING CONCRETE TO ENSURE THAT IT IS 12mm FROM THE TOP OF THE SLAB.

10. DESIGN LOADING:
.1 ADDITIONAL DEAD LOAD:.....KPa
.2 LIVE LOAD: .....KPa

11. SLAB AREA: .....sq.m

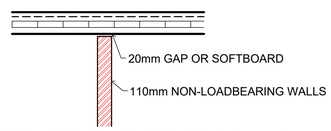
12. MASS OF REINFORCEMENT: .....Kg

13. MESH REF. TYPE # .....

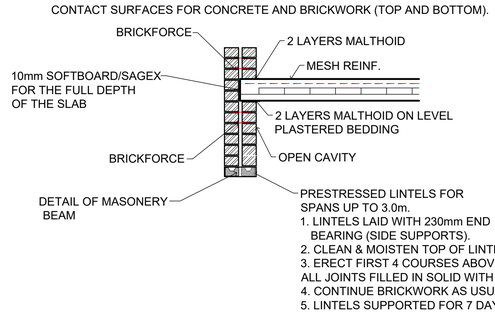
14. ALL LOADBEARING BRICKWORK SHOWN THUS:

15. ONLY STRUCTURAL SLAB THICKNESSES GIVEN ON DRAWING, PROVISION FOR SLOPES FOR BALCONIES TO BE TAKEN UP IN THE SCREED. 25mm SCREED MADE FOR IN DESIGN.

SOIL BEARING PRESSURE TO BE CONFIRMED BY SPECIALIST



DETAIL OF NON-LOADBEARING WALLS



TYP. SECTION THROUGH ALL OPENINGS

DATE	REVISION	DRAWN	CHECKED
22.07.2021	0	AMB	EN

Elwandle CONSULTING ENGINEERS
REGNO: 2001/001054/23
TEL: 041-5838025
FAX: 041-5834898

CLIENT: DR. JOHAN SCHERMAN

ARCHITECT/MANAGENT: H.GOUWS RENDERS

PROJECT: PROPOSED LODGE AND VENUE ON ERF RE/111,BELLEVUE, PATERSON

DRAWING TITLE: STANDARD NOTES

		DATE	COMPUTER INFORMATION	
DESIGNED				
DRAWN				
CHECKED			EXTERNAL NO	
			STATUS	C
			SHEET SIZE A1	SKALE/SCALE NTS

ELWANDLE DRAWING NUMBER

Z1361 - STRUCT - 000

REVISION 0