

ELECTRICAL SLEEVES

1. ALL TELECOMMUNICATION AND ELECTRICAL SLEEVES ARE TO BE 100mm DIAMETER CLASS 4 UNPO AND LAY 600mm BELOW FINAL ROAD LEVEL UNLESS OTHERWISE SPECIFIED.
 2. ALL TELECOMMUNICATION AND ELECTRICAL SLEEVES TO EXTEND 1000mm ABOVE AND BELOW THE ROAD SURFACE.
 3. REFER TO THE K&S COMPLETE WITH RUST FREE DRAW WINGS.
 4. ALL EXISTING SERVICES TO BE LOCATED BY THE CONTRACTOR BEFORE EXCAVATIONS COMMENCE.
- ## MASONEY NOTES
1. ALL MASONEY MATERIALS, COMPONENTS, WORKMANSHIP AND TESTING SHALL COMPLY WITH SABS 0104 THE STRUCTURAL USE OF MASONEY AND SABS 0404.
 2. CLAY BRICKS TO COMPLY WITH SABS 277 THEY SHOULD HAVE UNIFORM EXPANSION PROPERTIES NOT EXCEEDING CATEGORY II LIMITATIONS AND MUST NOT BE LAY EARLIER THAN SIX WEEKS AFTER REMOVAL FROM THE KILN. CLAY BRICKS MUST BE WETTED BEFORE USE.
 3. CONCRETE MASONEY UNITS TO COMPLY WITH SABS 1215. THESE UNITS SHALL NOT BE WETTED PRIOR TO LAYING, ALL UNFINISHED WALLS SHALL BE PROTECTED AGAINST MOISTURE ENTRY DURING CONSTRUCTION THROUGH PROTECTING BY PROVIDING EFFECTIVE COVERS OVER THE TOPS OF SUCH WALLS.
 4. THE ENGINEER MAY REQUIRE THAT SAMPLES OF MASONEY UNITS BE SUBMITTED FOR LABORATORY TESTING IN ACCORDANCE WITH SABS 1064.

- IN EVERY COURSE IN ALL FOUNDATION

- IN TWO COURSES, IMMEDIATELY ABOVE FLOOR SLABS EXTENDING 600mm BEYOND OPENING.
- IN EVERY COURSE ABOVE LITELS EXTENDING 600mm BEYOND OPENINGS
- 5.5mm ROD REINFORCEMENT AS FOLLOWS:
 - 200 IN COURSE IMMEDIATELY ABOVE AND BELOW OPENINGS EXTENDING 600mm BEYOND OPENINGS
 - 200 (CONTINUOUS) IN UPPERMOST BED JOINT OF EXTERNAL WALLS.
 - 100 (CONTINUOUS) IN UPPERMOST BED JOINT OF INTERNAL WALLS.
7. LOAD BEARING BRICKWORK (220mm MIN):
 - THE MINIMUM CRUSHING STRENGTH OF ALL LOAD BEARING BRICKWORK SHALL BE 14 N/mm² AND THE MAXIMUM WATER ABSORPTION 12%.
 - ALL BRICKS SHALL BE 190x90x45mm (1+1/2 CORNER/SAND, BUT NOT LESS THAN 100mm) AS PER SANS 0164.
 - LOAD-BEARING CAVITY WALLS TO BE FILLED SOLID WITH CONCRETE FOR THE TOP 4 COURSES.
8. NON-LOAD BEARING BRICKWORK MAY NOT BE BUILT CLOSER THAN 20mm FROM SOFFIT OF BEAMS AND SLABS, UNLESS
9. LITELS OVER OPENINGS TO HAVE A MINIMUM OF 230mm BEARING EACH END.
10. CAVITY WALLS TO HAVE STEPPED DECS AS PER ARCHITECT'S SPECIFICATIONS.
11. SEE ARCHITECT'S DRAWINGS FOR GENERAL LAYOUT OF BRICKWORK.
12. ALL BRICK ANCHORS, WALL TIES AND STRAPS SHALL BE HOT-DIPPED GALVANIZED.
13. FULL DEPTH V-JOINTS SHALL BE MADE IN PLASTER WORK WHERE BRICKWORK AND CONCRETE JOIN.
14. ALL BUILDING WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS.
15. WALL TIES IN CAVITY WALLS AND BRICK RETAINING WALLS SHALL BE OF THE VERTICAL TWISTED TYPE AS IN SABS 0164 FIGURE 1 OR SIMILAR APPROVED. PLACED EVERY FOURTH LAYER VERTICALLY AND AT 500 C/C HORIZONTALLY.
16. WALL JOINTS MUST BE REPEATED IN ALL TILED FINISHES.
17. BRICK BALUSTRADES ON ROOF TO HAVE JOINTS AT 6m C/C.
18. ALL PLANTERS BUILT IN BRICKWORK ARE TO BE PROVIDED WITH 25mm DIA WEEP HOLES ABOVE FINISHED PAVING LEVELS AND AT 1000 C/C.
19. BRICK WALLS TO BE TIED TO CONCRETE COLUMNS OR RINGBEAMS WITH 30 CORNERS. FIX THE TIES TO THE COLUMNS WITH 2 HILTI SHOT STUDS EACH UNTO.
20. SINKED JOINTS IN BRICKWORK SHALL BE PROVIDED IN ACCORDANCE WITH SABS 1040-04-1. TABLE 19. REFER TO TYPICAL DETAILS.

22. ALL EXTERNAL JOINTS TO BE SEALED WITH JOINT SEALER OR CIVIL AB APPROVED

- 2.3. 10mm VERTICAL, SOFTBOARD OR JOINTEX TO BE PLACED WHERE THE SLAB ABUTS AGAINST A WALL.
 - 2.4. 2 LAYERS OF 3-PLY MULLHOD TO BE PLACED BETWEEN ALL HORIZONTAL CONTACT SURFACES FOR CONCRETE AND BRICKWORK.
 - 2.5. 10mm JOINTEX OR SIMILAR APPROVED TO BE PLACED BETWEEN ALL VERTICAL CONTACT SURFACES FOR CONCRETE AND BRICKWORK.
- ## REINFORCEMENT NOTES
1. THE STEEL STRESS AND BENDING OF ALL REINFORCEMENT SHALL BE IN ACCORDANCE WITH SABS 920.
 2. REINFORCEMENT SHALL BE FIED TO COMPLY WITH THE TOLERANCES AS SPECIFIED IN SABS 1200 G.
 3. NO HEAVING, BENDING OR CUTTING OF REINFORCEMENT WITHOUT PRIOR APPROVAL OF THE ENGINEER.
 4. REINFORCEMENT SHALL BE INSPECTED BY THE ENGINEER ONLY AFTER FRANK AND OPEN DISCUSSION AND SIGNING OFF OF THE PROGRESS OF WORKING OF EACH BLOCK. NO WORKING OF ANY BLOCKS HAVING COMPLETED AND AFTER THE CONTRACTOR HAS INSPECTED IT HIMSELF. ALL REINFORCEMENT SHALL BE APPROVED BY THE ENGINEER IN WRITING BEFORE CASTING OF CONCRETE MAY COMMENCE.
 5. THE FOLLOWING SYMBOLS ARE USED TO DENOTE LAYERS OF REINFORCEMENT IN SLABS.
- The diagram illustrates a cross-section of a slab with two reinforcement layers. The top layer, labeled 'T1', has a thickness of 12mm. The bottom layer, labeled 'B1', has a thickness of 8mm. The total thickness of the slab is indicated as 100mm. The top and bottom surfaces are labeled 'TOP' and 'BOTTOM' respectively.

RIB AND BLOCK:

1. BUILDER MUST CONSTRUCT ALL LOAD BEARING WALLS, LINTEL CONSTRUCTION, RC BEAM CONSTRUCTION & STEEL BEAM INSTALLATION BEFORE STARTING WITH ANY RIB AND BLOCK PLACING
2. CHECK CAREFULLY FROM WHICH POINT THE DIFFERENT RIB TYPES MUST BE PLACED FIRST.
3. RIBS MUST BEAR A MINIMUM OF 100mm ONTO LOAD BEARING WALLS, RC BEAMS OR STEEL BEAMS.
4. RIBS THAT BUTT UP AGAINST "DOUBLE RIB BEAMS" MUST HAVE STEEL CONNECTORS PLACED AS PER DETAIL – AS SHOWN ON DETAIL SHEETS.
5. FIRST RIB OF THE VARIOUS RIB TYPES MUST BE PLACED AS PER THE DETAIL SHEET OUT POSITION AS INDICATED ON THE ENGINEER'S RIB LAYOUT DRAWING.
6. PROP RIBS TO ACHIEVE AN UPWARD CAMBER OF SPAN/500 AT MIDSPAN.
7. RIBS MUST BE SPACED AT 650mm CENTERS AND CAN BE ACHIEVED BY PLACING ONE BLOCK AT EACH END OF THE RIB IN ORDER TO PLACE THE NEXT RIB.
8. PLACE SCAFFOLD BOARDS ON TIMBER BEARERS & STEEL PROPS AT 1500mm MAX UNIFORM SPACING IN BOTH DIRECTIONS IN ORDER TO SUPPORT THE RIBS BEFORE PLACING THE BLOCKS.
9. IT IS THE BUILDER'S RESPONSIBILITY TO ENSURE THAT THE PROPS & FORMWORK IS ADEQUATE TO SUPPORT THE WET CONCRETE BEING POURED. SPECIAL CARE MUST BE EXERCISED TO MAINTAIN THE TOP STEEL OF THE BALCONIES & CANTILEVERS IN POSITION DURING THE POURING OF THE CONCRETE.
11. PLACE ADDITIONAL STEEL AS DETAILED ON THE ENGINEER'S RIB LAYOUT DRAWING.
12. BLOCKS MUST BE PLACED STARTING AT THE INNER EDGE OF THE INNER TOP OF THE LOAD BEARING WALLS. BLOCKS MUST NOT BE PLACED ON TOP OF THE EXTERNAL & INTERNAL WALLS.

29. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE CORRECT POSITION DURING CONCRETING.

1. ALL STRUCTURAL TIMBER SHALL BE IN ACCORDANCE WITH SACS 1245
UNPAINTED TIMBER SIDS 1460.

3. THE CONTRACTOR IS TO COVER ALL MATERIALS AGAINST THE WEATHER IF STORED FOR LONG PERIODS.

5. ALL CONNECTIONS, HANGERS AND CLEATS TO BE IN ACCORDANCE WITH DESIGN SPECIFICATION.
6. THE CONTRACTOR IS TO CHECK THAT ALL BRACING SPECIFIED HAS BEEN FIXED IN THE CORRECT POSITION.

[illegible]

STATUTORY NOTE:
THE CLIENT IS RESPONSIBLE FOR ENSURING COMPLIANCE TO ANY
LOCAL HEALTH AND SAFETY LAWS AND REGULATIONS



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DESIGNED	H. FOSTER	DRAWN	H. FOSTER
CHECKED	H. FOSTER	PROCESS ENGINEER	
CIVIL ENGINEER		STRUCTURAL ENGINEER	H. FOSTER
INSTRUMENT ENGINEER		ELECTRICAL ENGINEER	
MECHANICAL ENGINEER		COORDINATION ENGINEER	
APPROVED	H. FOSTER		
	NAME	2017/7/189	
		ECSA REG. NUMBER	

PROPOSED ALTERATION & ADDITIONS

NOTES

SCALE AS SHOWN	DATE 2024-07-02
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