



NOTES

- ONLY FINISHED DIMENSIONS ARE TO BE TAKEN.
- THE CONSULTING ENGINEER DOES NOT TAKE RESPONSIBILITY FOR ANY WORK NOT SUPERVISED BY HIM AND THE DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND OTHER ENGINEER'S DRAWINGS.
- THE CONSULTING ENGINEER MUST OBTAIN HIS APPROVAL FOR ANY SUBSTRUCTURE WORKS AFTER EXCAVATION AND WHERE NO SOIL TESTS ARE CARRIED OUT, OR DEEMED NOT REQUIRED OR NECESSARY, THE CONTRACTOR MUST WAIT FOR THE ENGINEER'S INSPECTION AND APPROVAL.
- CONCRETE MIX IS TO BE VERIFIED AROUND STEEL REINFORCEMENT AND MUST ATTAIN MINIMUM CURE CURING STRENGTH OF 30 N/mm² AT 28 DAYS EXCEPT WHERE SPECIFIED OTHERWISE.
- CURING OF CONCRETE SHALL NOT BE CARRIED OUT UNTIL THE LAYOUT AND FINISH OF ALL STEEL REINFORCEMENT, FORM-WORK FOR CONCRETE SECTIONS MUST HAVE BEEN CHECKED AND CERTIFIED CORRECT BY WORKS BY THE ENGINEER.
- CONCRETE, STEEL REINFORCING BARS AND OTHER MATERIALS MUST BE TESTED AS MAY BE SPECIFIED BY THE CONSULTING ENGINEER OR AS CONTAINED IN THE BILLS OF QUANTITIES AND SPECIFICATIONS. RESULTS OF SUCH TESTS ARE TO BE FURNISHED TO THE CONSULTING ENGINEER IMMEDIATELY THEY ARE CARRIED OUT.
- CONCRETE, STEEL REINFORCING BARS AND OTHER MATERIALS MUST BE TESTED AS MAY BE SPECIFIED BY THE ENGINEER OR AS CONTAINED IN THE BILLS OF QUANTITIES AND SPECIFICATIONS. RESULTS OF SUCH TESTS ARE TO BE FURNISHED TO THE ENGINEER IMMEDIATELY THEY ARE CARRIED OUT.
- STEEL REINFORCING BARS NEAR THE TOP OF SLABS (I.E. TOP STEEL) ARE TO BE POSITIONED IN THEIR CORRECT POSITIONS WITH THE AID OF 12MM DIA. STEEL CHAIRS AT POSITIONS NOT EXCEEDING 100MM FROM EACH OTHER.
- POSITIONS AND DETAILS OF SERVICE OUTLETS FOR ELECTRICAL CONDUITS AND FITTINGS ARE TO BE OBTAINED FROM THE ARCHITECT, MECHANICAL AND ELECTRICAL ENGINEERS. FORMERS FOR SUCH HOLES ARE TO BE FULLY FIRED IN THEIR CORRECT POSITIONS IN THE FORM WORK BEFORE CASTING CONCRETE. BRICKING OR JACKING OFF OF CONCRETE SHALL NOT BE ALLOWED.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- 60mm MINIMUM COVER TO ALL REINFORCEMENT IN FOUNDATION.
- BENDING SCHEDULE COMPILED WITH BS 4403 (BAR SHAPES)
- ALL BENDING DIMENSIONS ARE IN ACCORDANCE WITH BS 8000-2000.
- REINFORCEMENT TO BE CALLED UP THIS

NO. OF BARS	TYP	BAR DIA	BAR MARK	SPACING	LOCATION
46	T	12	01	150	(1)

15. MINIMUM LAP LENGTHS OF REINFORCEMENT IN ACCORDANCE TO BS 8110, TABLE 3.27.

CHARACTERISTIC STRENGTH $f_y=410$ N/mm²

GRADE OF CONCRETE $f_{cu}=20$ N/mm²

12 mm ϕ HORIZONTAL	- 700 mm & VERTICAL	- 500 mm
16 mm ϕ HORIZONTAL	- 800 mm & VERTICAL	- 700 mm
20 mm ϕ HORIZONTAL	- 1200 mm & VERTICAL	- 800 mm
25 mm ϕ HORIZONTAL	- 1400 mm & VERTICAL	- 1000 mm

16. VERTICAL BARS INCLUDE ALL BARS POSITIONED BETWEEN 30° AND 90° TO THE HORIZONTAL.

ABBREVIATIONS

EF - EACH FACE	NF - NEAR FACE
FF - FAR FACE	SF - SIDE FACE
B - BOTTOM	STG - STAGGERED
T - TOP	ALT - ALTERNATIVELY PLACED WITH
EJ - EXPANSION JOINT	CJ - CONSTRUCTION JOINT
ABR - ALTERNATE BAR REVERSED	ABS - ALTERNATE BAR STAGGERED
G.A. - GENERAL ARRANGEMENT.	C1 - COLUMN TYPE 1
B.B.S - BAR BENDING SCHEDULE.	FB - FLOOR BEAM
R.C. - REINFORCED CONCRETE.	EB - EDGE BEAM
N.G.L. - NATURAL GROUND LEVEL.	1P - FLOOR PANEL
IL - INVERT LEVEL.	R.P. - RAMP PANEL
	S.WALL - SHEAR WALL
	RP.BM - RAMP BEAM

NO.	DESCRIPTION	DATE	CHKD	DATE	APPR	DATE
1	ISSUE FOR COSTING	20-07-16	P.A.	24-07-16	O.S.A.	29-07-16

REFERENCE DRAWINGS

SD-1.55	
SD-1.76	

REVISIONS

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DRAWN: P.A.	CHECKED: O.S.A.	DATE: 20-07-16	DATE: 24-07-16
APPROVED: S.O.K.	DATE: 29-07-16	PROJECT TITLE: SECOND FLOOR SLAB REINFORCEMENT DETAILS	

SCALE: 1:200

PROJECT No. SP/04/2016/02/000-RE200/1314

BURNING CODE: 1344-ST-000

SHEET No. 1 of 4

REF: 01