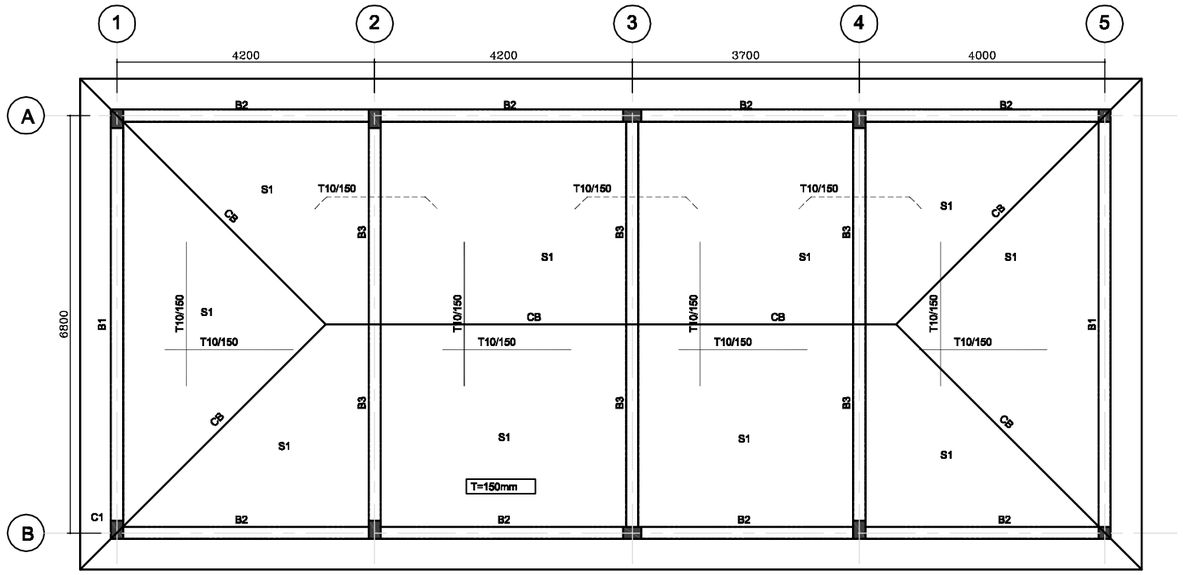


ROOF SLAB LAYOUT

SCALE 1 : 100

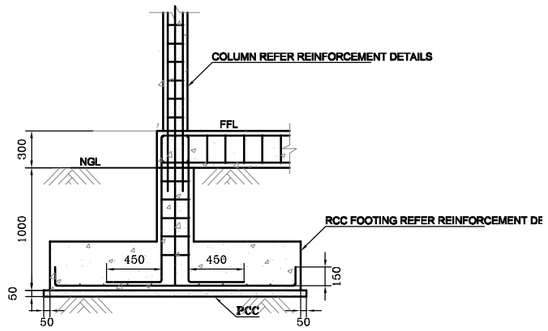
COLUMNS REINFORCEMENT DETAILS						
TYPE	FOUND			GROUND FLOOR			STIRRUPS
	SIZE		REINT.	SIZE		REINT.	
C1	300	300	12T16	200	300	10T16	T8/125 c/c
C2	200	300	8T20	200	200	6T16	T8/125 c/c

FOOTING REINFORCEMENT DETAILS						
MARK	DIMENSION			REINFORCEMENT	BOXED	REMARKS
	L	W	H			
F1	1800	1800	400	T12@100 c/c B/W, T&B		

GRADE BEAM REINFORCEMENT DETAILS							
MARK	SIZE		BOTTOM BARS	TOP BARS	STIRRUPS	SIDE BARS	REMARKS
	b	h					
GB1	300	300	4T16	3T16	T6/125 c/c		

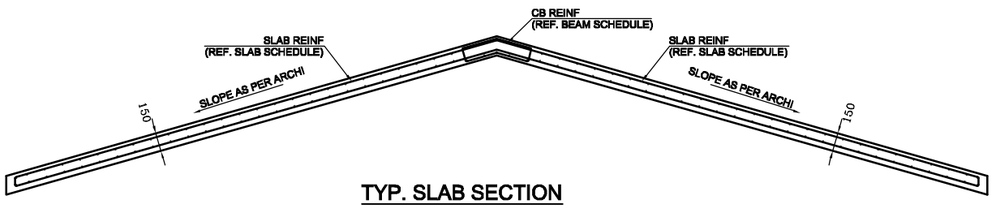
BEAM REINFORCEMENT DETAILS							
MARK	SIZE		BOTTOM BARS	TOP BARS	STIRRUPS	SIDE BARS	REMARKS
	b	h					
B1	200	500	5T16	3T16	T8/125 c/c		
B2	200	500	4T16	3T16	T8/125 c/c		
B3	200	500	5T16	3T16	T6/100 c/c		
CB	300	150	6T16	6T16	T6/100 c/c		CONCEALED

SLABS REINFORCEMENT DETAILS				
MARK	THICK	REINFORCEMENT		REMARKS
		WIDTH	LENGTH	
S1	150	T10/150,T&B	T10/150,T&B	



FOOTING DETAIL

SCALE 1 : 25



TYP. SLAB SECTION

SCALE 1 : 25

0 1 2 3 4 M

NOTES:-

1. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS (MM), UNLESS OTHERWISE SHOWN
2. ALL LEVELS SHOWN ARE IN METERS. ALL LEVELS SHOWN ARE FROM MEAN SEA LEVEL
3. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS,GENERAL NOTES AND SPECIFICATIONS.
3. CONTRACTOR SHALL CONDUCT INDEPENDENT GEOTECHNICAL INVESTIGATION TO CONFORM THE BEARING CAPACITY OF SOIL 150 KN / M^2
4. THE CONCRETE COVER TO ALL REINFORCEMENT SHALL BE AS FOLLOW :-
   COLUMN / BEAM = 40 mm
   SLAB = 30 mm
   FOUNDATION = 50 mm
5. WATER CEMENT RATIO SHALL BE 0.50
6. FOR ALL GENERAL NOTES REFER BY DWG UT-GN-01
7. GRADE OF CONCRETE IS M30 AND GRADE OF STEEL IS Fy 460

LEGEND:-

1. NGL - NATURAL GROUND LEVEL
2. FFL - FINISHED FLOOR LEVEL
3. PCC - PLAIN CEMENT CONCRETE

ABBREVIATIONS:-

GRID No / GRID LINE - GRID MARK (HORIZONTAL)

GRID No / GRID LINE - GRID MARK (VERTICAL)

REFERENCE DRAWINGS

SL.No	DRAWING No.	DESCRIPTION

REV.	DATE	DESCRIPTION	DRAWN	CHKD.	APPRD
..	..	..	..	..	..
..	..	..	.	..	..
..	..	..	..	..	..
..	..	..	..	..	..
0	15.09.'15	DETAILED DESIGN SUBMISSION	JP	SS	MA

REVISION

CLIENT

MINISTRY OF ENVIRONMENT & ENERGY
REPUBLIC OF MALDIVES

CONSULTANT:

Al-Habshi Consultant

Al-Habshi Consultants Office
Tel.: 2430103 / 2433131 - Fax : 2431136
P.O.Box 27154 Safat 13132 - Kuwait

PROJECT:
Provision of Water Supply Facilities in 04 islands and Sewerage Facilities in 05 islands -
R.Hulhudhuffaaru Island - Republic of Maldives

DRAWING TITTLE:
RO PLANT ADMIN BUILDING
STRUCTURAL DRAWINGS

DESIGNED	DRAWN	CHECKED	APPROVED	SCALE	DATE
SK	JP	SS	MA	1 : 50	15.09.'15

PROJECT No.	SHEET No.	DRAWING No.
K-619	1 OF 1	RH-WS-116
REV. No.	0	