

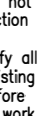

HOSPITAL  
MALDIVES  
STRUCTURAL DRAWINGS  
13.03.2021

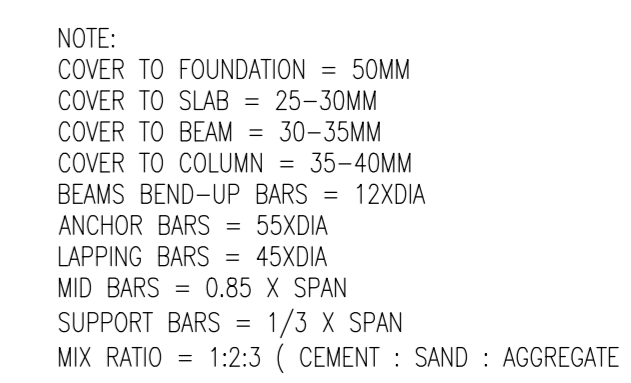
SIARCH  
■ P I A T E L I M I T E D  
LONUZIYAARAY MAGU, MALE, 20075, MALDIVES  
EMAIL: INFO@SIARCH.DESIGN  
HTTP://WWW.SIARCH.DESIGN

HOSPITAL, MALDIVES  
DRAWING INDEX

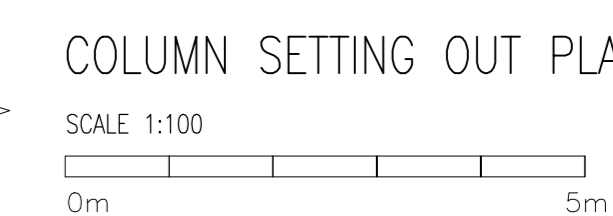
PROJECT CODE: COM-32  
CLIENT: MINISTRY OF HEALTH  
BUILDING: HOSPITAL  
BUILDING CODE: MLD  
DWG FILE NAME: MLD\_COM-29

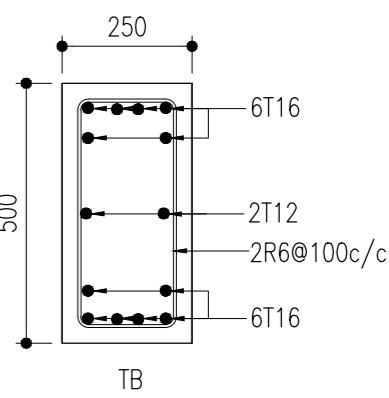
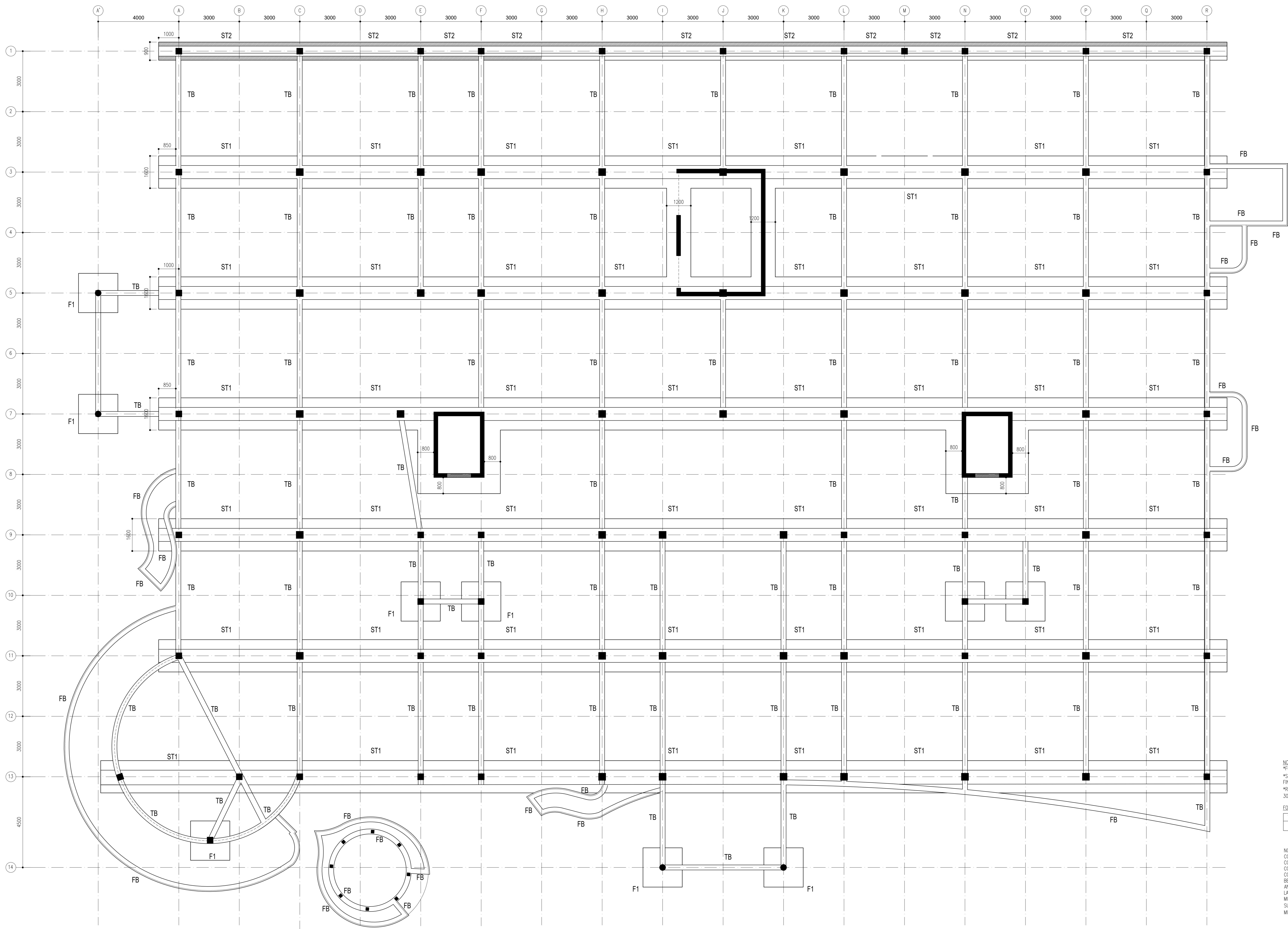
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CLIENT: <b>AJI RIZA</b> (MINISTRY OF HEALTH)		
DESIGN AND CONSULTANCY:   <small>(KONZULTARATY MAGUJALSKI, 2007S, MALDIVES)</small> <small>EMAIL: INFO@SIARCH.DESIGN</small> <small>HTTP://WWW.SIARCH-DESIGN</small>		
KEY PLAN:  		
WARNING:  <ul style="list-style-type: none"> <li>- This drawing shall not be used for construction unless certified.</li> <li>- Contractor to verify all dimensions of existing works on site before commencing any work or preparing shop drawings.</li> <li>- Do not scale drawings, use written dimensions only.</li> <li>- This drawing is to be read in conjunction with the specifications and conditions of contract.</li> <li>- This drawing and design is copyright and no portion may be reproduced without the permission of the Consultant</li> </ul>		
REVISIONS		
NO	DESCRIPTION	DATE
PROJECT:		
PROPOSED 3 STOREY HOSPITAL		
PHASE:  <input type="radio"/> CONCEPT DESIGN <input checked="" type="radio"/> DESIGN DEVELOPMENT <input type="radio"/> TENDER DOCUMENT <input type="radio"/> FOR CONSTRUCTION <input type="radio"/> AS BUILD DRAWINGS		
DISIGNATION	NAME	SIGNATURE
PROJECT MANAGER	SIRACH PVT LTD	
STR. ENGINEER	HUSSAIN SHIHANI	
ARCHITECT	MUHAMMAD SHAHIN	
CHECKED	MUHAMMED SIRAJ	
DRAWN	YASHIKA	
DWG. NAME:		
STRUCTURAL		
DRAWING REGISTRY		
CODE COM-32	DATE 18-08-17	DWG. NO:
FORMATT A1 A2 A3		ST00
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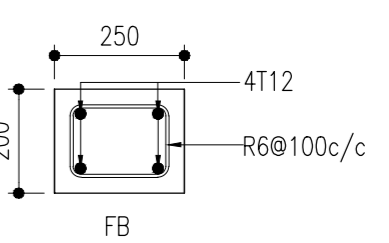


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COM-32	16-01-2021			ST01
FORMAT	A1	A2	A3	
SCALE	1:100	-	-	ISSUE B
PDF FILE NAME: COM-29_NH_ ST01_A				





THE BEAM DETAIL  
SCALE 1:20



FOUNDATION BEAM DETAIL  
SCALE 1:20

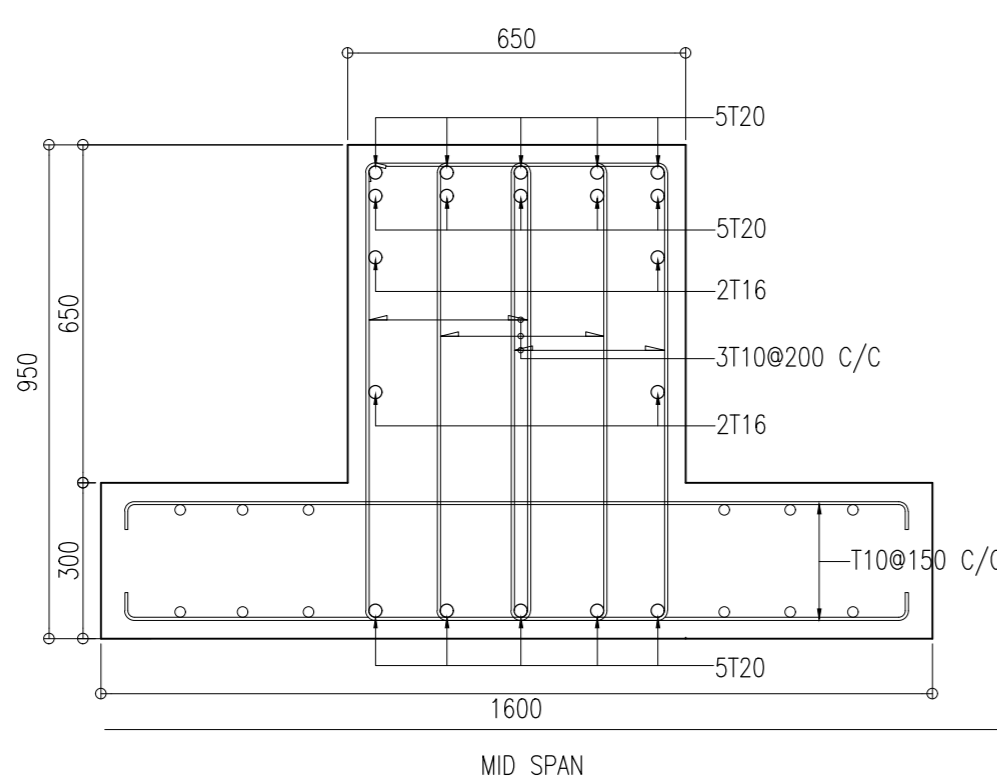
STRUCTURAL DETAILS  
SCALE 1:20



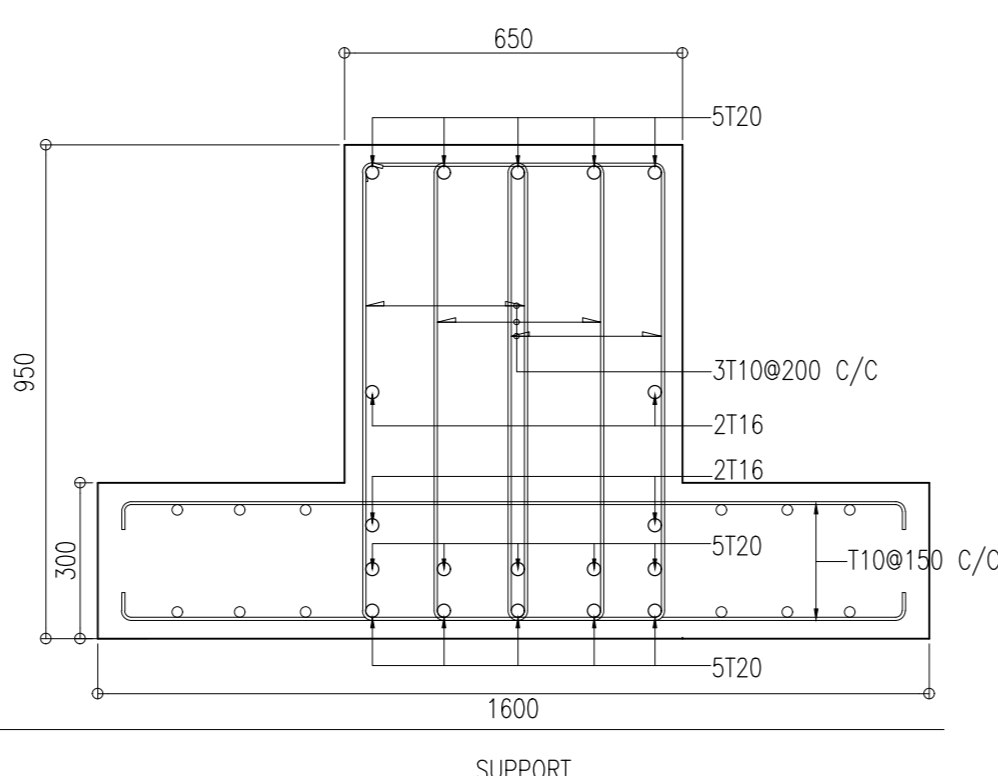
NOTES:  
\*FOUNDATION DEPTH : 1800MM  
\*SOLID BLOCK WALLS UP TO FINISH FLOOR LEVEL.  
\*RAFT SLAB UNDER LIFT WALL AND RC WALL AREA 300MM -> T10@100 c/c, BW(T/B)

FOOTING DETAILS		
TYPE	SIZE (mm)	R/F detail
F1	1950 x 1950 x 350	T12@75c/c, BW(B)

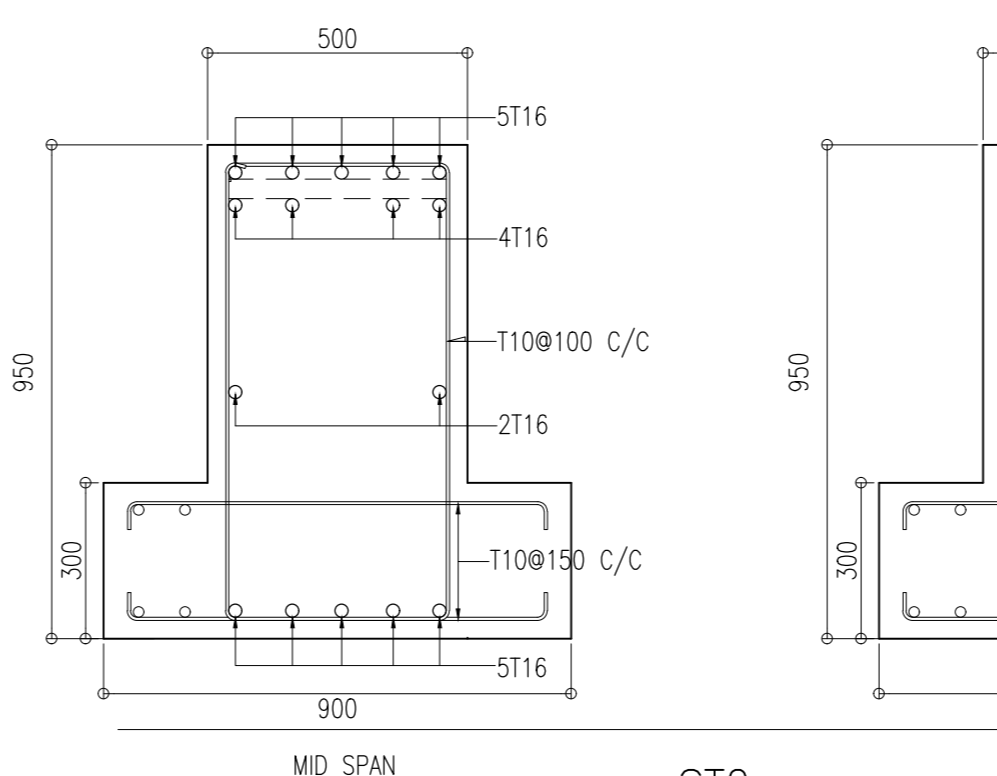
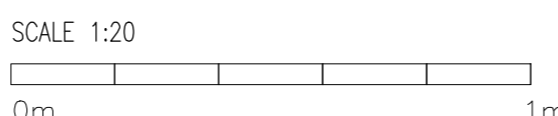
NOTE:  
COVER TO FOUNDATION = 50MM  
COVER TO SLAB = 25-30MM  
COVER TO BEAM = 30-35MM  
COVER TO COLUMN = 35-40MM  
BEAMS BEND-UP BARS = 12XDA  
ANCHOR BARS = 55XDA  
LAPPING BARS = 45XDA  
MID BARS = 0.85 X SPAN  
SUPPORT BARS = 1/3 X SPAN  
MIX RATIO = 1:2:3 ( CEMENT : SAND : AGGREGATE )



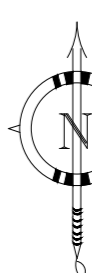
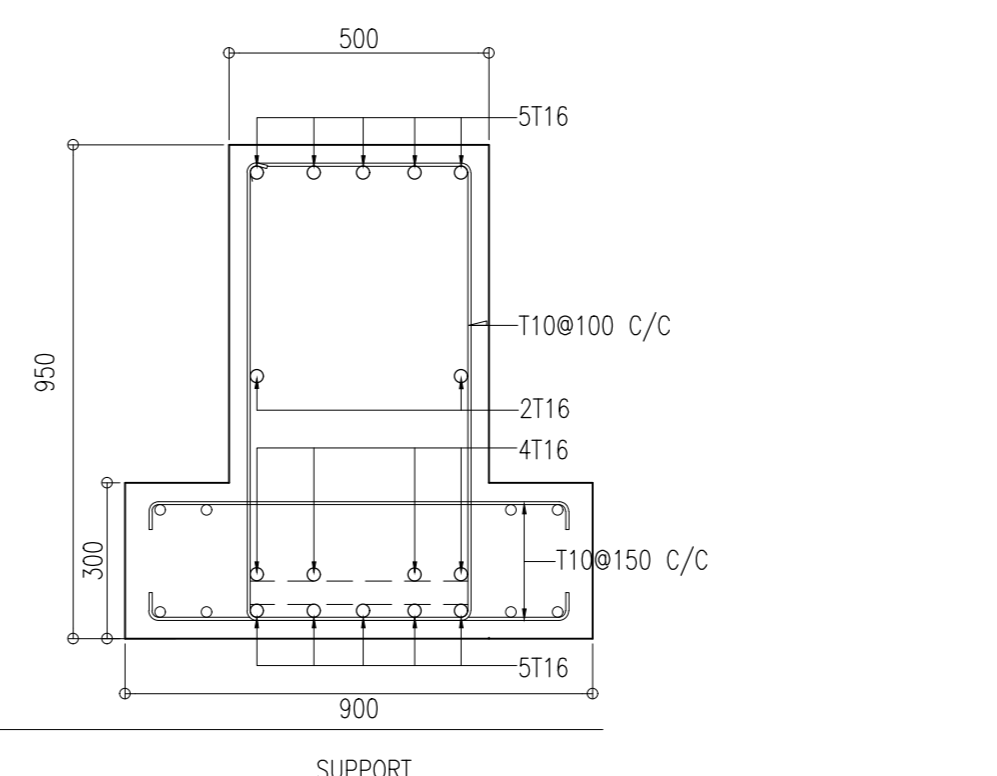
ST1



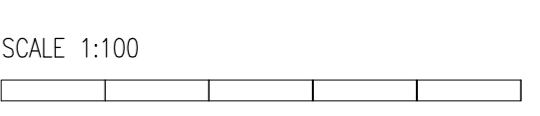
STRUCTURAL DETAILS  
SCALE 1:20



ST2



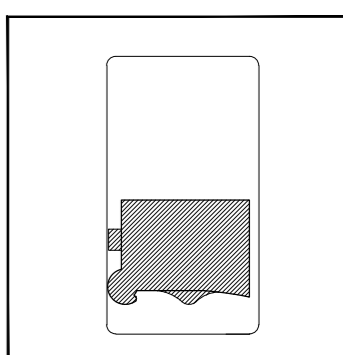
FOUNDATION PLAN



CLIENT:  
AU RZA  
(MINISTRY OF HEALTH)

DESIGN AND CONSULTANCY:  
**SIARCH**  
PRIVATE LIMITED  
LONGJAYARAY MAGU, MALE, 20075, MALAYSIA  
EMAIL: [info@siarch-design.com](mailto:info@siarch-design.com)  
[HTTP://WWW.SIARCH-DESIGN.COM](http://www.siarch-design.com)

KEY PLAN:



WARNING:

- This drawing shall not be used for construction unless certified.
- Contractor to verify all dimensions of existing works on site before commencing any work or preparing shop drawings, use written dimensions only.
- This drawing is to be read in conjunction with the specifications and conditions of contract.
- This drawing and design is copyright and no portion may be reproduced without the permission of the Consultant

REVISIONS

NO	DESCRIPTION	DATE
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PROJECT:

PROPOSED 3  
STOREY HOSPITAL

PHASE:

- ☒ CONCEPT DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ TENDER DOCUMENT
- ☐ FOR CONSTRUCTION
- ☐ AS BUILD DRAWINGS

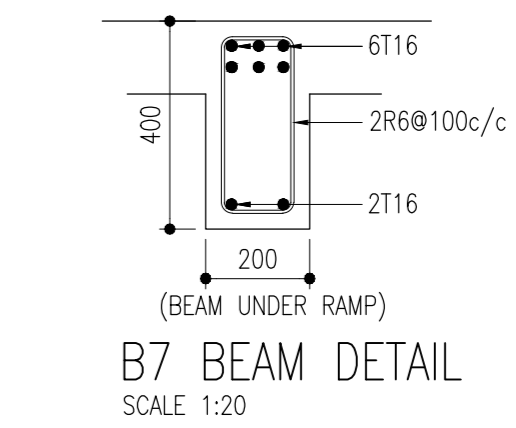
DESIGNATION	NAME	SIGNATURE
DESIGN BY:	SIARCH PVT LTD	
STR. ENGINEER	HUSSAIN SHIHAN	
ARCHITECT	MOHAMED SIRAJ	
CHECKED	MOHAMED SIRAJ	
DRAWN	YASHIKA	

DWG. NAME:


HOSPITAL PROJECT

GROUND FLOOR DOORS &  
WINDOWS KEY PLAN

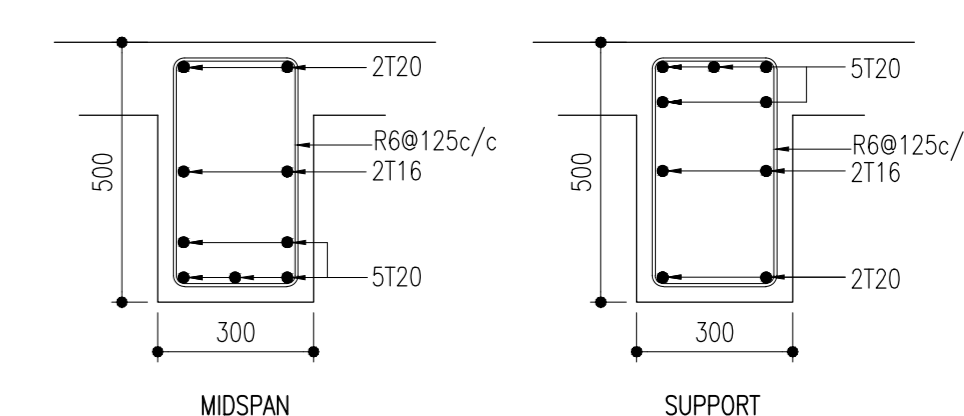
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COM-32	16-01-2021	ST02
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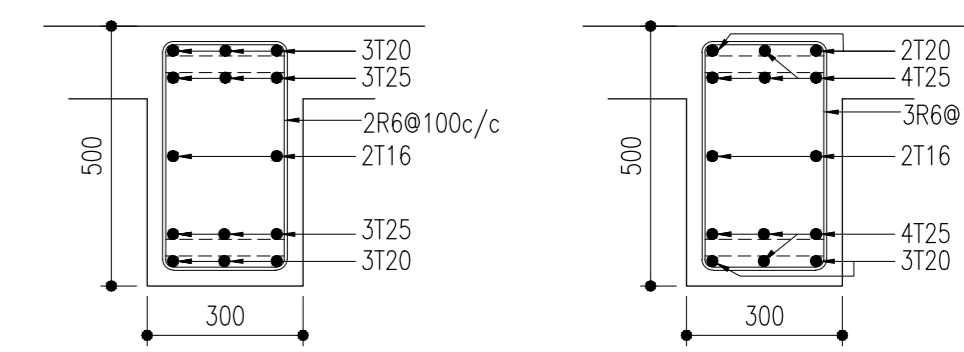
STRUCTURAL DETAILS  
SCALE 1:20

 SLAB THICKNESS = 150MM  
 SLAB THICKNESS = 175MM  
 T10@150 C/C BOTHWAYS (T/B)  
 REINFORCEMENT BARS WILL BE DISCONTINUOUS OVER VOIDS  
 EXTRA BARS: 4T12@40 C/C (T/B)

NOTE:  
COVER TO FOUNDATION = 50MM  
COVER TO SLAB = 25-30MM  
COVER TO BEAM = 30-35MM  
COVER TO COLUMN = 35-40MM  
BEAMS BEND-UP BARS = 12X $\phi$ A  
ANCHOR BARS = 55X $\phi$ A  
LAPPING BARS = 45X $\phi$ A  
MID BARS = 0.85 X SPAN  
SUPPORT BARS = 1/3 X SPAN  
MIX RATIO = 1:2:3 ( CEMENT : SAND : AGGREGATE )

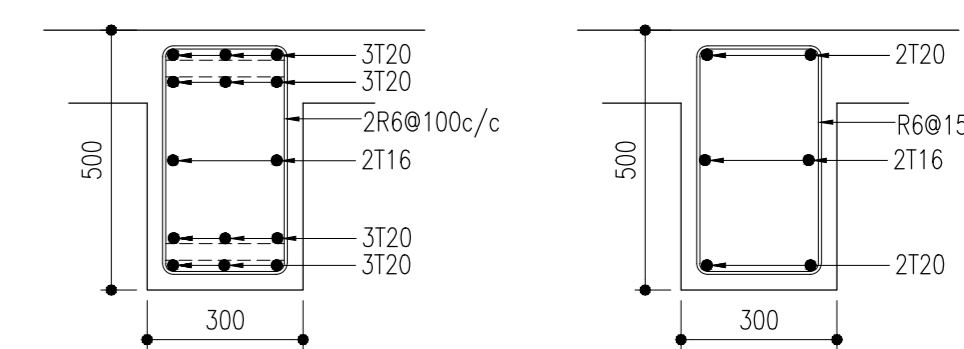


B1 BEAM DETAIL  
SCALE 1:20



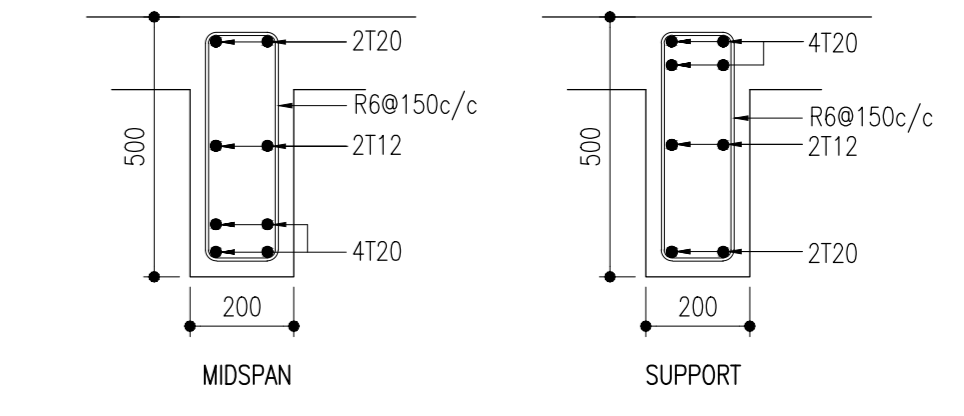
B2 BEAM DETAIL  
SCALE 1:20

B3 BEAM DETAIL  
SCALE 1:20

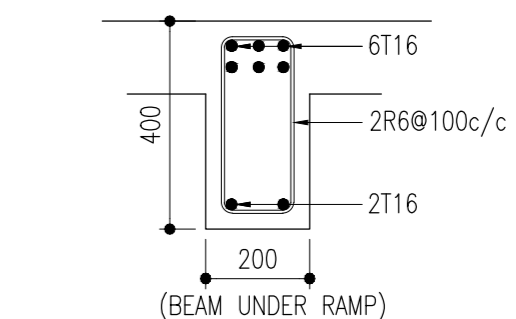


B4 BEAM DATA  
SCALE 1:20

B5 BEAM DETA  
SCALE 1:20



(BEAM SLANTED ALONG THE R)



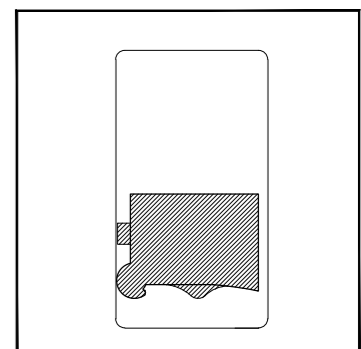
B7 BEAM DETAIL  
SCALE 1:20

CLIENT: ALI RIZA

(MINISTRY OF HEALTH)

DESIGN AND CONSULTANCY

### KEY PLAN



WARNING:

- This drawing shall not be used for construction unless certified.
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- This drawing and design is copyright and no portion may be reproduced without the permission of the Consultant

REVISION

NO	DESCRIPTION	DATE
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[illegible]

PROJECT:

PROPOSED 3  
STOREY HOSPITAL

PHASE:

- ☐ CONCEPT DESIGN  
☒ DESIGN DEVELOPMENT  
☐ TENDER DOCUMENT  
☐ FOR CONSTRUCTION  
☐ AS BUILD DRAWINGS

DESIGNATION	NAME	SIGNATURE
DESIGN BY:	SIARCH PVT LTD	
STR. ENGINEER	HUSSAIN SHIHAN	
ARCHITECT	MOHAMED SIRAJ	
CHECKED	MOHAMED SIRAJ	
DRAWN	YASHIKA	

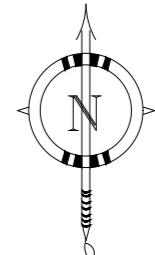
DWG. NAME:

STRUCTURAL

FIRST FLOOR BEAM &  
SLAB PLAN

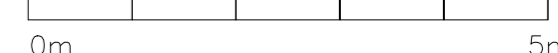
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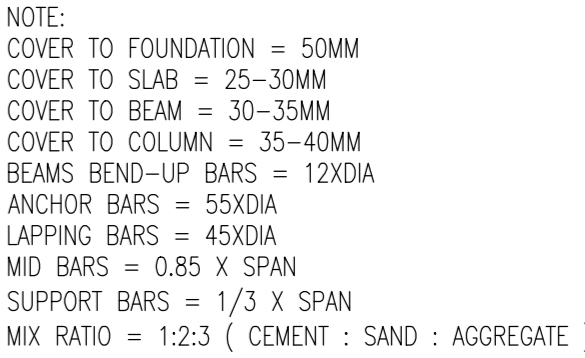
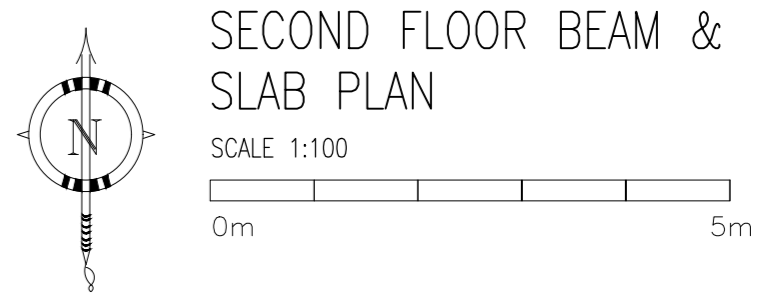
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FIRST FLOOR BEAM &  
SLAB PLAN

SCALE 1:100





CODE COM-32	DATE 16-01-2021			DWG. NO:  ST04
FORMAT	A1	A2	A3	
SCALE	1:100	-	-	ISSUE B

PDF FILE NAME: COM-29\_MH\_ST04\_A



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- Contractor to verify all dimensions of existing works on site before commencing any work or preparing shop drawings.
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[illegible]

PROJECT:  
PROPOSED 3  
STOREY HOSPITAL

PHASE:

☐ CONCEPT DESIGN

☒ DESIGN DEVELOPMENT

☐ TENDER DOCUMENT

☐ FOR CONSTRUCTION

☐ AS BUILD DRAWINGS

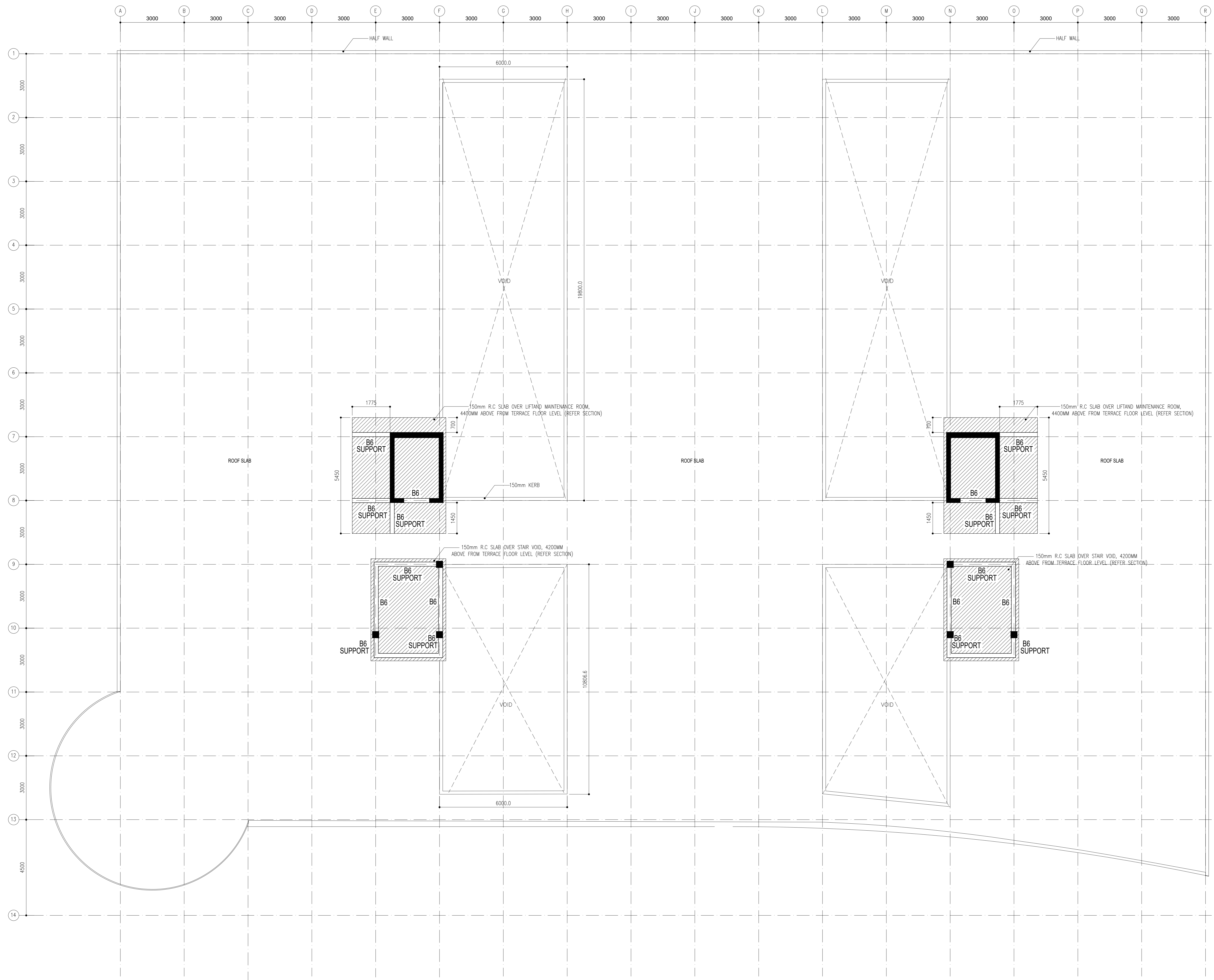
DESIGNATION	NAME	SIGNATURE
DESIGN BY:	SIARCH PVT LTD	
STR. ENGINEER	HUSSAIN SHIHAN	
ARCHITECT	MOHAMED SIRAJ	
CHECKED	MOHAMED SIRAJ	
DRAWN	YASHIKA	


DWG. NAME:

STRUCTURAL

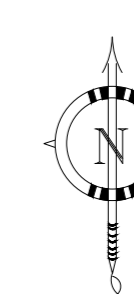
LIFT AND STAIR ROOF BEAM &  
SLAB PLAN

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SCALE	1:100	-	-	
ISSUE B				
PDF FILE NAME: COM-29_MH_ST06_A				



 SLAB THICKNESS = 150MM  
 T10@150 C/C BOTHWAYS (T/B)  
 REINFORCEMENT BARS WILL BE DISCONTINUOUS OVER VOIDS

NOTE:  
COVER TO FOUNDATION = 50MM  
COVER TO SLAB = 25-30MM  
COVER TO BEAM = 30-35MM  
COVER TO COLUMN = 35-40MM  
BEAMS BEND-UP BARS = 12XDIA  
ANCHOR BARS = 55XDIA  
LAPPING BARS = 45XDIA  
MD. BARS = 0.85 X SPAN  
SUPPORT BARS = 1/3 X SPAN  
MIX RATIO = 1:2:3 ( CEMENT : SAND : AGGREGATE )

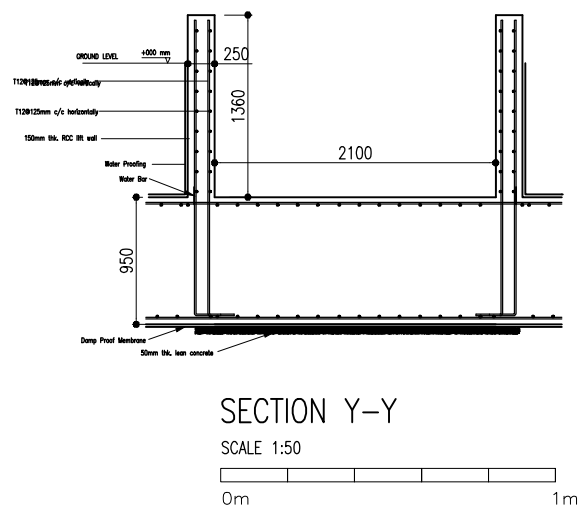


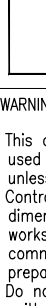
LIFT AND STAIR ROOF BEAM  
& SLAB PLAN

SCALE 1:100



0m 5m



CLIENT: ALI RIZA (MINISTRY OF HEALTH)			
DESIGN AND CONSULTANCY: <b>SIARCH</b> PRIVATE LIMITED <small>(ORUZHITARYAY MAGUWALE' 20075,MALDIVES) EMAIL: INFO@SIARCH.DESIGN HTTP://WWW.SIARCH.DESIGN</small>			
KEY PLAN: 			
WARNING: <ul style="list-style-type: none"><li>- This drawing shall not be used for construction unless certified.</li><li>- Contractor to verify all dimensions of existing works on site before commencing any work or preparing shop drawings.</li><li>- Do not scale drawings, use written dimensions only.</li><li>- This drawing is to be read in conjunction with the specifications and conditions of contract.</li><li>- This drawing and design is copyright and no portion may be reproduced without the permission of the Consultant</li></ul>			
REVISIONS			
NO	DESCRIPTION	DATE	
PROJECT:			
PROPOSED 3 STOREY HOSPITAL			
PHASE: <input checked="" type="radio"/> CONCEPT DESIGN <input type="radio"/> DESIGN DEVELOPMENT <input type="radio"/> TENDER DOCUMENT <input type="radio"/> FOR CONSTRUCTION <input type="radio"/> AS BUILD DRAWINGS			
DESIGNATION	NAME	SIGNATURE	
PROJECT MANAGER	SIARCH PVT LTD		
STR. ENGINEER	HUSSAIN SHIHAN		
ARCHITECT	MUHAMMAD SHAMIN		
CHECKED	MUHAMMED SIRAJ		
DRAWN	YASHIKA		
DWG. NAME:			
STRUCTURAL			
LIFT DETAIL			
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