Red bar stool:
Sitter: 33cm
Back Height:25cm

Red bar stool:
Height before stretch:43cm

REPRESENTATION IN AFGHANISTAN
UNHCR
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MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION

STANDARD SCHOOL DESIGN
IN AFGHANISTAN

Board No	TYPE	Architecture
	SHEET No	4 / 5

PROJECT NAME: 30 CLASS ROOM SCHOOL BURNT BRICK IRON SHEET ROOF WITH LABORATORY AND COMPUTER.

DRAWING TITLE: COMPUTER CLASS ROOM CHAIR

Red bar stool:
Height after stretch :78cm

Red bar stool:
Sitter: 38cm
Height before stretch :25cm

MINISTRY OF EDUCATION DEPARTMENT OF CONTRACTION	STANDARD SCHOOL DESIGN IN AFGHANISTAN	Prepared By ENG.Zabet Hakimy	APPROVED BY ENG.Momin Rad	TYPE Architecture	PROJECT NAME 30 CLASS ROOM SCHOOL BURNT BRICK IRON SHEET ROOF WITH LABORATORY AND COMPUTER.
		CHECKED BY ENG.Said Rasoul	SCALE AS SHOWN (A3)	SHEET No 5 / 5	DRAWING TITLE LABORATORY CHAIR
		TECH. APPROVED BY ENG.RAHIM MAGOO	DATE 8/2012		

General Notes

- Concrete for all reinforced elements will be of ratio(1:1.5:3) and cubical strength of (200Kg/cm^{21} after 28 days.
- Reinforcement grade 1mild steel having minimum yield stress of 2100kg/cm^2 and reinforcement grade 2 deformend bar having minimum yield stress of 2700kg/cm^2 .
- For Brick masonry Cement and sand mortar ratio should be (1:5).
- Interior and exterior wall plaster's Cement mortar ratio should be (1:3).
- Form work should be lubricated well before installing reinforcement on.
- Bricks should be soaked at water before using.
- The rebars should be without Corrosion(or Oxidant free)
- Sand and Gravel should be washed before using.
- Usable water for Concrete should not be Acidic , Salted and free of Organic materials
- In Concrete mixture river Gravel with size 2,5 cm be used rather than mountain Crash
- Form work for bending elements should not be removed for less than 18 days.
- Before amendment the structure design consulting with design Engineer is must.
- Procedure of the project commencement till ending should be supervised by MoE site Engineer
- Bearing Capacity of Soil for Foundation design is calculated 1,5Kg/Cm^2.
- The mark of brick for the shear wall should not be less70kg/cm^2.

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تبصره:

1- مارک کانکریت مبخدر در تمام عناصر ساختمانی (M-200) با تناسب (1:1.5:3)، استفاده شود .

2- در تعمیر منکور از سیخ های کلاس I-A با مقاومت سنجشی (Ra=2100kg/cm^2) و I-AI با مقاومت سنجشی (R=2700 kg/cm^2) استفاده شده است.

3- برای خشت کاری از مصالح سمنت وریگ با تناسب (1:5) استفاده شود.

4- پلستر دیوارهای داخلی و خارجی ازمصالح سمنت وریگ با مارک (M-300)با تناسب (1:3) استفاده شود.

5- قالب هاقبل ازاستفاده باید خوب چرب کاری شود.

6- خشت ها قبل ازاستفاده باید خوب مرطوب گردد.

7- سیخ های مورد استفاده باید عاری از زنگ زده گی باشد .

8- ریگ وجغل قبل ازاستفاده باید شستشو گردد .

9- آب های مورد استفاده برای مخلوط کانکریت شور و نمکی نباشد .

10- در مخلوط کانکریت جغل کرش نوع دریایی یا سورت های الی قطر 2.5 سانتی متر استفاده گردد و از جغل کرش نوع صخره ای یا کوهی استفاده نشود .

11 - قالب های عناصر انحنایی به هیچ وجه قبل از 18 روز دور نگردد .

12- در حصه تعدیل نقشه با انجنیر دیزاین کننده مشوره گردد .

13- پروسه کار پروژه از شروع تا ختم توسط انجنیر ساختمان مراقبت گردد.

14- مقاومت خاک (1.5cm/gk^2) برای دیزاین تهداب ها درنظر گرفته شده است .

15-مارک خشت برای شیروانهای خشتی نباید کمتراز 70kg/cm^2 باشد.

مقاومت فشاری مجازخاک (qall) براساس kg /cm2

Bearing Capacity of Soil Based on (ACI)

Recommendatio	Limit	Specifications	Types of Soil
8	7-10	Very dense Campacted	Gravel, Gravel & Sand, Mix of Gravel & Stone جغل، جغل وریگ ،مخلوط جغل وسنگ
6	5-7	Medium Course Compacted	
4	3-6	Loose Campacted	
4	4-6	Very dense Campacted	Stiff Sand, Sand with a little Greval ریگ سخت ، ریگ باکمی جغل
3	3-4	Medium Course Compacted	
2	2-3	Loose Campacted	
3	3-5	Very dense Campacted	Medium Stiff Sand , Sand with Mud or Clay ریگ باسختی متوسط ، ریگ با لای یارس
2.5	2-4	Medium Course Compacted	
1.5	1-2	Loos Campacted	
3	3-4	Very dense Campacted	Uniform Sand, Sand with a little Mud or Clay ریگ یکنواخت، ریگ باکمی جغل
2	2-3	Meidum Course Compacted	
1.5	1-2	Loos Campacted	
4	3-6	Very Stiff	Uniform Clay , Clay with Sand or Mud رس یکنواخت، ریگ باکمی جغل
2	1-3	Medium Siff	
0.5	0.5-1	Uncompacted	
3	2-4	Very Stiff	Mud,Sandy Mud or Clay لای ،لای ریگی یارسی
1.5	1-3	Medium Siff	
0.5	0.5-1	Uncompacted	

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DEPARTMENT OF CONSTRUCTION

STANDARD SCHOOL DESIGN
IN AFGHANISTAN

ARCHITECT/DESIGN	ENG.FARAH	APPROVED:Doc/Mod	ENG.ALI MOMEN RAAD	DRAWING TYPE	STRUCTURAL	PROVINCE	
RCC/DESIGN	ENG. FATIMA ZEWARI	SCALE	AS SHOWN (A3)	CODE NO	S-02SC-1	1 / 20	PROJECT NAME: 6+2 Class Room Metal Sheet Roof
TECH. APPROVED BY	ENG.ALI MATIN MAQUL	DATE	JAN 2015				DRAWING TITLE: GENERAL NOTES

FOUNDATIONS PLAN

REPRESENTATION IN AFGHANISTAN
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MINISTRY OF EDUCATION DEPARTMENT OF CONSTRUCTION	STANDARD SCHOOL DESIGN IN AFGHANISTAN	ARCHITECT/DESIGN	ENG. FARAH	APPROVED Date/Mod	ENG AB MOMEN RAAD	DRAWING TYPE	STRUCTURAL	PROVINCE	
		RCC/DESIGN	ENG. FATIMA ZEWARI	SCALE	AS SHOWN (A3)	CODE NO S-0255-1	2 / 20	PROJECT NAME	6+2 Class Room Metal Sheet Roof
		TECH- APPROVED BY	ENG.ABMATIN MAQOL	DATE	JAN 2015			DRAWING TITLE	Foundation

FOUNDATIONS PLAN

MINISTRY OF EDUCATION
DEPARTMENT OF CONSTRUCTION

STANDARD SCHOOL DESIGN
IN AFGHANISTAN

ARCHITECT/DESIGN	ENG. FARAH	APPROVED:Doe/Mo	ENG.AB MOMEN RAAD	DRAWING TYPE	STRUCTURAL	PROVINCE
RCC/DESIGN	ENG. FATIMA ZEWARI	SCALE	AS SHOWN (A3)	CODE NO	3 / 20	PROJECT NAME: 6+2 Class Room Metal Sheet Roof
TECH. APPROVED BY	ENG.AB.MATIN MAQOL	DATE	JAN 2015	S 0255-1		DRAWING TITLE: FOUNDATION