1-10-13

Original

MADRAS RECORD OFFICE.
Government Records.

Public works. Department.

G. O. (Printed).
Dated 14-1- 1892
No. 120 W

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Painting doors, windows and exposed woodwork with three coats of Carson's paint.						
Venetian and panel doors	3	64 0	...	...	192	
Do. windows	3	70 0	...	...	210	
Glazed windows with iron bars ...	2	70 0	...	...	140	
Struts	...	...	...	...	13	
Uprights	36	2 6	...	1 0	90	
Eaves boards	72	3 0	...	0 8½	153	
Verandah posts...	4	6 6	...	1 8	43	
Do. brackets	6	1 0	...	1 0	6	
Do. eave board	...	27 0	...	0 9	20	
Square feet ...	...	...	...	...	908	
Squares ...	...	...	...	...	...	9·08
Wood-oiling, three coats.						
Railing	2	12 0	...	3 0	72	
Purlins and ridge	3	14 0	...	1 11	144	
Do.	3	11 0	...	1 11		
Rafters	36	19 0	...	0 11	627	
Breastsummers	...	27 0	...	1 8	45	
Rafters	19	9 1½	...	0 11	159	
Wall-plate	...	27 0	...	0 8	18	
Square feet ...	...	...	...	...	1,065	
Squares ...	...	...	...	...	...	10·65

ABSTRACT.

Quantity.	Item.	Rate.	Per.	Amount.
		RS. A. P.		RS. A. P.
2,954 C. feet.	Excavation for foundations ...	...	1,000 C. feet.	...
1,056 „	Earth-filling in basment	...	„	...
537 „	Concrete	...	100 C. feet.	...
1,135 „	Brickwork in foundations	...	„	...
599 „	Do. in basement	...	„	...
2,430 „	Do. in superstructure ...	...	„	...
94 „	Archwork	...	„	...
43 „	Cut-stone work	...	„	...
129 „	Teakwood wrought and put up ...	...	C. foot.	...
20 lb.	Wrought-iron work	...	„	...
64 Sq. feet.	Venetian and panel doors with frames	...	lb.	...
70 „	Venetian windows with frames ...	...	Sq. foot.	...
70 „	Glazed windows with frames and iron bars for record-room ...	...	„	...
12½ „	Glazed ventilators in gables ..	...	„	...
12·89 Squares.	Tiled roofing with flat and pan tiles including teak reepers ...	...	„	...
		...	Square.	...

120/P

ABSTRACT—*cont.*

Quantity.	Item.	Rate.	Per.	Amount.
		RS. A. P.		RS. A. P.
6·87 Squares.	Flooring with 8-inch square bricks.	...	Square.	...
39·46 „	Plastering with two coats	...	„	...
12 L. feet.	Wooden railing	...	L. foot.	...
9·08 Squares.	Painting doors, windows and exposed wood-work with three coats of Carson's oak paint.	...	Square.	...
10·65 „	Wood-oiling roof timbers, &c., three coats.	...	„	...
	Contingencies at 5 per cent. ...	...	...	...
	Total ...	...	...	...

MADRAS,
20th December 1881.

(Signed) R. F. CHISHOLM,
Consulting Architect to Government.

ESTIMATE of the Cost of constructing a Registrar's Office with tiled roofing according to Standard, Sheet No. 20, signed by the Officiating Consulting Architect to Government on 16th September 1881.

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Excavation for Foundations.						
Outer walls		149 0	4 6	4 6	3,017	
Partition		27 0	3 8	4 6	446	
Verandah walls		44 9	3 6	4 6	705	
Steps		15 0	3 0	1 0	45	
Cubic feet		...	...	...	4,213	
Earth-filling in Basement.						
Rooms		30 0	40 0	1 6	1,800	
Platform		11 6	20 0	1 0	230	
Verandah		31 9	7 0	1 6	333	
Cubic feet		...	...	...	2,363	
Concrete.						
Outer walls		149 0	3 6	1 0	522	
Partition		28 0	2 8	1 0	75	
Verandah walls		45 9	2 6	1 0	114	
Steps		15 0	3 0	1 0	45	
Cubic feet		...	...	...	756	
Brickwork in Foundations.						
Footing course—						
Outer walls		149 0	2 8	1 6	596	
Partition		28 10	1 10	1 6	79	
Verandah walls		46 7	1 6	1 6	105	
Above footing to ground level—						
Outer wall...		149 0	2 3	2 0	671	
Partition		29 3	1 6	2 0	88	
Verandah wall		47 0	1 0	2 0	94	
Cubic feet		...	...	...	1,633	
Brickwork in Basement.						
Outer walls		149 0	2 3	2 0	671	
Partition		29 3	1 6	2 0	88	
Verandah walls		47 0	1 0	2 0	94	
Steps		15 0	3 0	0 6	23	
Do.		13 0	2 0	0 6	13	
Do.		11 0	1 0	0 6	6	
					895	
Deduct stone in steps and under posts as per details.		...	...	...	33	
Cubic feet		...	...	...	862	
Brickwork in Superstructure.						
Outer walls		149 0	1 6	14 0	3,759	
Partition		30 0	1 6	14 0		

120/11

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Brickwork in Superstructure—cont.						
Gables	3	33 0	1 6	5 3	780	
Over gable end...	2	40 0	1 6	0 9	90	
Corbels	12	1 0	0 6	1 6	9	
Band over verandah roof	...	33 0	0 3	0 9	6	4,644
Deductions—						
Doors	2	4 0	1 6	8 0	96	
Windows	12	3 6	1 6	5 0	315	
Ventilators	4	3 6	1 6	2 3	47	
Archwork as per details	...	...	...	...	108	566
Cubic feet	...	...	...	...	...	4,078
Archwork.						
Segmental arches over doors	2	5 3	1 6	1 0	16	
Do. do. windows ...	8	4 9	1 6	1 0	57	
Semicircular arches for gable ventilators.	2	11 9	1 6	1 0	35	
Cubic feet	...	...	...	...	108	
Cut-stone work.						
Under posts	4	1 6	1 6	0 6	5	
Steps	...	45 0	1 3	0 6	28	
Slabs under beams	3	3 0	2 0	0 4	14	
Do.	6	2 0	2 0	0 4		
Cubic feet	...	...	...	...	47	
Teakwood.						
Purlins and ridge	6	22 3	0 9	1 2	117	
Wall plates	2	44 6	0 3	0 3	6	
Rafters	60	22 6	0 3	0 5	141	
Struts	60	2 6	0 3	0 3	9	
Uprights, double	120	3 2	0 1½	0 3½	14	
Eaves board	2	45 9	0 ¾	0 6	3	
Verandah posts	4	0 6	0 6	7 4½	7	
Do. breastsummers	3	11 0	0 6	0 9	12	
Do. brackets	6	1 1	0 3	1 1	2	
Do. rafters	23	10 9	0 3	0 5	26	
Do. wall-plate	1	33 0	0 3½	0 5	4	
Do. eave board	1	33 0	0 ¾	0 6	1	
Cubic feet	...	...	...	...	342	
Wrought-iron work.						
¾″ diameter bolts to secure verandah wall-plate.	6	1 9	=10 6	×1·47	=15·43	
¾″ hex. nuts and heads	6	...	...	× ·43	= 2·58	
3″ × 3″ × ⅛″ washers for heads ...	6	...	...	× ·31	= 1·86	
lb.	...	...	...	...	19·87	
Say lb.	...	...	...	...	...	20

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Venetian and panel doors with frames ...	2	4 0	...	8 0	64	Sqr. feet.
Venetian windows with frames	6	3 6	...	5 0	105	Sqr. feet.
Windows with glazed shutters and frames and $\frac{3}{4}$" square iron bars.						
For record-room	6	3 6	...	5 0	105	Sqr. feet.
Glazed ventilators with frames.						
At sides	4	3 6	...	2 3	31½	
At gables	8	1 3	...	1 3	12½	
Square feet ...		...	...	...	44	
Tiled roofing.						
Over rooms	...	45 9	...	46 0	2,105	
Over verandah	...	33 0	...	10 9	355	
Square feet ...	...	...	...	...	2,460	
Squares ...	...	...	...	...	...	24·60
Flooring with 8-inch square bricks over a levelling course of wall bricks.						
Rooms	...	40 0	...	30 0	1,200	
Verandah	...	33 9	...	8 0	270	
Door pieces	2	4 0	...	1 6	12	
					1,482	
Deduct stones under posts	4	1 6	...	1 6	9	
Square feet ...	...	...	...	...	1,473	
Squares ...	...	...	...	...	...	14·73
Plastering with two coats.						
Interior—						
Rooms	2	100 0	...	14 0	2,800	
Gables	4	30 0	...	5 3	630	
Exterior—						
Basement all round	...	173 3	...	2 4½	411	
Superstructure	...	155 0	...	14 0	2,170	
Gables	2	33 0	...	5 6	363	
Wall over do.	2	40 0	...	3 0	240	
Door jambs	2	20 0	...	1 6	60	
Window do.	8	17 0	...	1 6	204	
Do.	4	13 6	...	1 6	81	
Ventilator do.	4	8 0	...	1 6	48	
Deductions—						
Doorways ... ... 2 ×	2	4 0	...	8 0	128	
Windows ... ... 2 ×	12	3 6	...	5 6	462	
Ventilators ... ... 2 ×	4	3 6	...	2 3	63	
						653
Square feet ...	...	...	...	...	...	6,354
Squares ...	...	...	...	...	...	63·54

Detailed Quantities—cont.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Wooden railing.						
For Clerks' room ... ... Lineal feet	...	...	...	...	20	
Painting doors, windows and exposed woodwork with three coats of Carson's oak paint.						
Venetian doors	3	64 0	...	...	192	
Do. windows	3	105 0	...	...	315	
Glazed windows with iron bars ...	2	105 0	...	...	210	
Do. ventilators	...	...	...	...	44	
Struts	60	2 6	...	1 0	150	
Uprights	120	3 2	...	0 8½	269	
Eaves board	2	45 9	...	0 10½	80	
Verandah posts	4	2 0	...	7 4½	59	
Brackets	6	1 0	...	1 0	6	
Eave board	1	33 0	...	0 10½	29	
Square feet ...	...	...	...	...	1,354	
Squares ...	...	...	...	...	...	13·54
Wood-oiling, three coats.						
Railing	2	20 0	...	3 0	120	
Purlins and ridge	6	22 3	...	3 1	412	
Rafters	60	22 6	...	1 1	1,463	
Breastsummers	3	11 0	...	2 0	66	
Rafters	23	10 9	...	1 1	268	
Wall plate	1	33 0	...	1 1½	37	
Square feet ...	...	...	...	...	2,366	
Squares ...	...	...	...	...	...	23·66

ABSTRACT.

Quantity.	Item.	Rate.	Per.	Amount.
		RS. A. P.		RS. A. P.
4,213 C. feet	Excavation for foundations	...	1,000 C. feet.	...
2,363 „	Earth-filling in basement	...	„	...
756 „	Concrete	...	100 „	...
1,633 „	Brickwork in foundations	...	„	...
862 „	Do. in basement	...	„	...
4,078 „	Do. in superstructure	...	„	...
108 „	Archwork	...	C. foot.	...
47 „	Cut-stone work	...	„	...
342 „	Teakwood wrought and put up ...	...	lb.	...
20 lbs.	Wrought-iron work	...	Square foot.	...
64 S. feet.	Venetian and panel doors with frames.	...	„	...
105 „	Venetian windows with frames ...	...	„	...
105 „	Glazed windows with frames and iron bars for record-room.	...	„	...
44 „	Glazed ventilators	...	„	...

ABSTRACT—*cont.*

Quantity.		Item.	Rate.	Per.	Amount.
			RS. A. P.		RS. A. P.
24·60	Squares.	Tiled roofing with flat and pan tiles including teak reepers.	...	Square.	...
14·73	"	Flooring with 8-inch square bricks ...	...	"	...
63·54	"	Plastering with two coats	...	"	...
20	L. feet.	Wooden railing	...	L. foot.	...
13·54	Squares.	Painting with three coats of Carson's paint.	...	Square.	...
23·66	"	Wood-oiling roof timbers, three coats...	...	"	...
...		Contingencies at 5 per cent.	...	...	...
		Total ...	...		...

MADRAS,
20th December 1881.

(Signed) R. F. CHISHOLM,
Consulting Architect to Government.

120/13

DEPARTMENT PUBLIC WORKS.

REGISTRAR'S AND SUB-REGISTRAR'S OFFICES WITH TILED ROOFING.

Specification of works to be performed in executing the Standard Designs for Registrar's and Sub-Registrar's Offices, according to Drawing Sheets, Nos. 20 *and* 22, *signed by the Officiating Consulting Architect on the* 16*th September* 1881.

EXCAVATOR.

Clearing Site.—Take down any existing building on the site, stacking such materials as it may be desirable to use again.

Excavation.—After the centre lines have been pegged and lined, set out on either side of the lines half the total breadth of the foundations and excavate to the depth or depths shown on the drawing, or to such depth as the officer in charge of the works may direct.

Slips and Baling.—If slips occur during the progress of the works clear the material away and bale any water lodging in the trenches from a hole or holes made without the limits of the same.

Ramming.—After the officer in charge of the work has seen that the trenches are the full and proper widths and depths well ram the bottom with heavy beaters for the after reception of the concrete.

BRICKLAYER.

Concrete.—Lay over the full breadth of the trenches about 9 inches of concrete as hereinafter specified and well ram with heavy beaters to a thickness of about 6 inches. After the first layer has consolidated lay a second and execute as before. The complete concrete should be about 12 inches thick.

Brickwork—Mark off carefully the centre lines and lay off the thicknesses of the footing course according to the plan.

The brickwork will be executed in sound material, and care will be taken to insert during the progress of the work the door and window frames, wood-bricks for railing, &c.

The walls will be two bricks thick, about 18 inches.

Splays.—The openings will be splayed as shown on the plan.

Arching.—The heads of the openings will be covered by segmental arches built in concentric rings clear of the frame. The space between the arch and the top of the frame will be carefully closed in after the brickwork has settled down.

Bond.—The bond should be English if possible.

Stones.—Set the stones under the verandah posts, also those under the beams and fasten properly. All wood supplied by the carpenter.

STONE MASON.

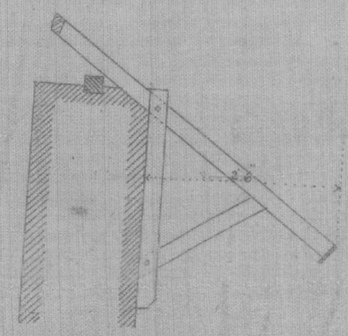
Provide and dress two lines No. 4 stones 1′ 6″ × 1′ 6″ × 6″ with mortice holes 2″ square and 2″ deep to receive the verandah posts.

Steps.—Provide and dress two lines, the steps shown on the drawing, tailing each stone not less than three inches.

CARPENTER.

NOTE.—*Vary this clause to suit Registrar's and Sub-Registrar's Offices.*—Supply beams ——— × ——— × ——— supply rafters ——— × ——— × ——— supply doors windows and ventilators as shown on the drawing, neatly rebated and morticed in a workmanlike manner.

The rafters will be notched over the beams and project 2 feet 6 inches from the face of the wall and strutted as shown on the drawing.



ROOFING.

Tiling.—Cover the roof with well burnt flat and pan tiles laid in the usual manner and the ridge with tiles specially made for the purpose.

Chunam bands.—Protect the ridge with chunam and lay bands on the tiling ——— inches broad and ——— inches apart rough cast on the surface.

FLOORING.

After the surface has been brought up to the proper level lay an even floor of 8-inch square tiles set diagonally. The tiles will be rubbed on the surface and gauged to fit each other.

PLASTERER.

Plaster the whole of the interior and exterior with two coats of plaster. (See Specification Standard Design for Police Stations, dated 15th January 1881.)

MATERIALS.

The bricks will be cast in a mould ——— inches × ——— inches × ——— inches, well burnt and free from defects.

The timber will be well seasoned and free from defects.

The lime will be collected at ——— properly burnt and slaked.

The sand will be collected at ———.

(Signed) R. F. CHISHOLM,
Consulting Architect to Government.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1882] Madras.

PUBLIC WORKS.

To

SUPERINTENDING ENGINEERS,

&c., &c., &c.

Dated January, 14*th*.

Issued.

Recd. *Encl.*

G.O., 14*th January* 1882, *No.* 120 *W.*

JANUARY.
Nos. 69-70.

Registrar's and Sub-Registrars's Offices.—The standard designs for — ordered to be lithographed and circulated for adoption in the Public Works Department.

ROADS AND BUILDINGS.

120/17 81

No. 465

CONSULTING ARCHITECT'S OFFICE,
Chepauk, 16th Sept 1881.

From

THE CONSULTING ARCHITECT TO GOVERNMENT,

To

THE CHIEF ENGINEER, PUBLIC WORKS DEPARTMENT,
BUILDINGS AND ROADS BRANCH.

SIR,

Enclosures.

I have the honor in terms of Govern^t Order No 1783 W of the 21st July to forward the following Standard designs for Registrar and Sub Registrars Offices prepared in accordance with the Sketch plan herewith enclosed for reference which was approved in the Judicial Department dated 20th Jany/81.

2 Standard design, Registrars Office terraced building.
do do do Tiled building
do do do Sub Registrars Office terraced building
do do do Tiled building

3 As it is understood Superintending Engineers are waiting for these Standard Plans, I have had to supply the Superintg Engineer 2d Circle with Copies in anticipation, it is considered inadvisable to retain them till the quantities are taken out.

* This will be done and a Specification furnished when the plans are returned from the Lithographic Press.

I have the honor to be

Sir

Your most obedt. servant.

Signed A. T. Fraser Major R.E.

Offg Consg Archt to Govt.

True Copy

H. Chamberlain

Consg Archt to Govt.

ROADS AND BUILDINGS.

P.W.Cir. 5319 of 81.

From

The Consulting Architect
to Government,

To

The Chief Engineer, P. W. Department,
Buildings and Roads Branch.

No. 465

Dated 16th September 1881

Received 17/

No. of Enclosures.

Forwards Standard plans for Registrars & Sub Registrars offices

Cir. 31134 21.12.81
4.0.17836 - 21.7.81
785 - 21.4.81
26340 - 31.1.81
27060 - 25.11.80
26780 - 23.11.80
23040 - 4.10.80

№ 2150 of 19th Sept 1881. 22/17 Ch. D

Memorandum

Letter from the Consulting Architect № 465 of 16th September 1881 - Forwarding Standard designs for Registrar's & Sub-Registrar's offices (G.O № 1783 W of 21-7-81)

Submitted for the approval of Government in the Judicial Dept. & for the Countersignature of the Inspector General of Registration.

(By order)

Sgd John Pennycuick
Major R.E.
Dy. Ch. Engr. P.W.D

To The Judicial Department with the letter above quoted & 5 enclos: (requested to be returned).

G.O. № 1783 W dy 21-7-81.

B.P. 1176 W dy 9-5-82

G.O. № 263 W dy 31-1-83.

G.O. № 2706 W dy 25-11-80

G.O № 2678 W dy 23-11-80.

G.O № 2304 W dy 4-10-80

C.E. № 2150 dy 19th Septr 81

Judicial Department.

12D/18

PROCEEDINGS of the MADRAS GOVERNMENT.

READ the following

From the Public Works Department, dated 19th September 1881. № 2150.

From the Inspector General of Registration, Madras, dated 14 October 1881. № 670.

Order thereon 9th November 1881 № 2283

The plans are approved and returned with the Countersignature of the Inspector General of Registration.

(True Extract)

(Sgd) R. Davidson

Chief Secretary

(True Copy)

(Sgd) [illegible]

Ag Asst Secretary

To The Public Works Departt

(C.No. 6626 of 81)

Govt. of {188 } Madras.

To P.W.D. C.No. 6626 of 81

Dated 9 Nov 188 1, No.

Recd. 12 Nov

Nos.

ROADS AND BUILDINGS.

P8

CONSULTING ARCHITECT'S OFFICE,

No. 736

Chepauk, 20 Decr 1881.

12/12/81

From

THE CONSULTING ARCHITECT TO GOVERNMENT,

To

THE CHIEF ENGINEER, PUBLIC WORKS DEPARTMENT,
BUILDINGS AND ROADS BRANCH.

SIR,

Enclosures.
2 Specifications
4 Detailed Estimates

In continuation of this Office letter No 465 dated 16th September, I have the honor to forward Specifications and detailed quantities for the tiled and terraced Standard designs for Registrars and Sub Registrars Offices.

I have the honor to be
sir
your most obedt servt

M Weightwick

Consulting Archte to Govt

ROADS AND BUILDINGS.

From

The Consulting Architect
to Government,

To

The Chief Engineer, P. W. Department,
Buildings and Roads Branch.

Cr. 3113 - 21-12-87
G.O. 17830 - 21-7-87
785 - 21-4-87
2638 - 31-1-87
27063 - 25-11-86
26784 - 23-11-86
12048 - 4-10-87
Cr. 2150 - 19-9-87

No. 736

Dated 20th December 1886

Received 21

No. of Enclosures. 1

Forwards Specifications & quantities for Standard designs for Registrars and Sub Registrars Offices

Cr 12/1/87

Estimate of the cost of constructing a Sub Registrars office with terraced roofing according to Standard design Sheet No. 21 signed by the Offg Consulting Architect to Government on 16th September 1886.

Detailed quantities. 120/21

Description of work	No.	L	B.	D	Contents
Excavation for foundations					
outer walls	99	04	6	2	2005
partition	21	03	3	4	347
Verandah walls	35	9	6	4	563
Steps	13	03	01	0	39
					Cubic feet 2954
Earthfilling in basement					
Rooms	24	21	01	6	756
Platform	12	09	6	1	102
Verandah	25	9	5½	1	198
					Cubic ft. 1056
Concrete					
outer walls	99	03	6	1	347
partition	22	02	3	1	59
Verandah walls	36	9	2	6	92
Steps	13	03	01	0	39
					Cubic feet 537
Brickwork in foundations					
footing course					
outer walls	99	02	3	6	396
partition	22	10	1	6	63
					Carried over Cft. 459

Brought forward Cft. 459

Verandah wall
above footings to ground level
outer walls
[illegible]
wall

	37	7	1 - 6	85
	99	0	2 - 3	44
	23	3	1 - 6	70
	38	0	1 - 0	76

Cubic ft. 1135

Brickwork in basement

outer walls	99	0	2 - 3	446
partition	23	3	1 - 6	70
Verandah wall	38	0	1 - 0	76
Steps	13	0	3 - 0	20
Do	11	0	2 - 0	11
Do	9	0	1 - 3	5
				628
Deduct 6 face in steps and under pasds as per details				29
				599

Cubic ft.

Brickwork in superstructure

outer walls	99	0	1 - 6	222
partition	24	0	1 - 6	54
parapet	101	0	1 - 0	151
Do	100	0	0 - 9	75
Do	101	0	1 - 0	34
Bending wall	25	0	1 - 6	38
				2402

Deductions

Doors				
Windows	2	4	0 1 - 6	96
Archwork as per details	9	3	- 6 1 - 6	236
				45
				377
				2025

Cubic feet

Archwork

Segmental arch over doors	2	5	3 1 - 6	1 - 0
Do Do windows	4	4	- 9 1 - 6	1 - 0

Cubic feet

Entablature work under pasds and in steps

under pasds	4	1	- 6 1 - 6	0 - 6
Steps		39	- 0 1 - 3	0 - 6

Cubic ft.

Teakwood

Clerks and Registrars room Joists	17	15	- 6 0 - 3	0 - 7½
Record room Joists	17	12	- 6 0 - 3	0 - 6
Small Joists under coping at ends	32	2	- 7½ 0 - 3	0 - 6
Do Do at angles	4	3	- 6 0 - 3	0 - 6
Wedging pieces	2	28	- 0 0 - 2	0 - 6
Do	2	29	- 6 0 - 2	0 - 6
Verandah posts	4	9	- 6 0 - 6	7 - ½
Do breastsummer	3	9	- 15 0 - 6	0 - 7½
Do Brackets	6	1	- 10 0 - 3	1 - 1
Do Rafters	19	8	- 0 0 - 2½	0 - 3½
Do wall plate	1	27	- 0 0 - 3	0 - 5
Do eave board		27	- 0 0 - 4	0 - ¾

Cubic feet

Wrought Iron work.

¾" diameter bolts to secure wall plates	6	1	- 9 10 - 6	× 1.47
¾ hexc nuts & bolt heads for Do	6			× .43
3" × 3" × ⅛" washers for Do	6			× .31

lbs

Cwt lbs

4

Venetian and panel doors with frames

2 4.0 — 8.0 64 Sqft. ✓

Venetian Windows with frames

4 3.6 — 5.0 70 Sqft.

Windows with glazed shutters and frames with 3/4 square iron bars for Record room

5 3.6 — 5.0 88 Sq ft.

Terrace roofing

30.0 — 28.6 855 Sq ft ✓

squares 8.55

Slope terracing for verandah

27.0 — 8.0 216 Sqft. ✓

squares 2.16

Flooring with 9 inch square bricks over a levelling course

Clerks and Registrars room		24.0	12.0	288
Record room		24.0	9.0	216
Verandah		27.9	6.6	180
Door pieces	2	4.0	1.6	12
				696
Deduct stones under posts	4	1.6	1.6	9
			Square feet	687
			squares	6.87

Plastering with two coats

Interior

Clerks and Registrars room	12.0	12.0	864
Record room	66.0	12.0	792
Carried over			1656

Brought forward 1656

Exterior

Basement all round		120.3	2.4½	286
Superstructure		105.0	12.0	1260
parapet		101.0	5.0	505
Binding wall		25.0	3.0	75 ✓
Door Jambs	2	20.0	1.6	60 ✓
Windows do	4	17.0	1.6	102
do	5	13.6	1.6	101 4,040

Deductions

Doorways	2× 2	4.0	8.0	128	
Windows	2× 9	3.6	5.0	316	44
				Square ft	3,602
				Squares	36.02

Plaster cornice exterior

Ends of terrace

Lineal ft 114

Wooden paling for Clerks room

Lineal ft 10

Painting doors, Wooden Lamps & exposed wood work with 3 coats of Carson's paint

Venetian and panel doors	3	64.0		192
Do windows	3	70.0		210
Glazed windows with iron bars	2	38.0		076
Waling pieces		116.0	1.2	134
Verandah posts	4	1.8	7.4½	49
Brackets	6	1.0	1.0	6
Eaves board		27.0	0.8	18
			Square ft	685
			Squares	7.85

Wood-oiling 3 coats

Railing	2	12.0	3.0	72
Joists	17	15.6	1.6	395
Do	17	12.6	1.3	266
Do	32	2-7½	1.2	
Do	4	3.6	1.2	114
Breastsummers		27.0	1.8	45
Rafters	19	8.0	0.9½	120
Wall plate		27.0	0.8	18
			Square feet	1080
			Squares.	

Abstract

120/24

Quantity		Item	Rate	Per	Amount
2,954	Cub. ft	Excavation for foundations		100 Cft	
1,056	"	Earth filling in basement		"	
537	"	Concrete		100 Cft	
1,135	"	Papier work in foundations		"	
599	"	Do in basement		"	
2,025	"	Do in superstructure		"	
45	"	Rubble work		"	
29	"	Cut stone work		Cft	
117	"	Teakwood straight and put up		"	
20	lbs	Wrought Ironwork		lbs	
64	Sq. ft	Venetian and panel doors with frames		Sq ft	
70	"	Venetian windows with frames		"	
88	"	Glazed windows with frames & iron bars for Record rooms		"	
8·55	Squares	Terrace roofing		Sqrs	
2·16	"	Slope terracing		"	
6·87	"	Flooring with 6 inch square bricks		"	
36·02	"	Plastering with 2 coats		"	
114	Lin. ft	Plaster cornice exterior		Lin. ft	
12	"	Wooden railing		"	
7·85	Squares	Painting doors & windows and other exposed woodwork with 3 coats of canvas paint colour		Squares	
10·30	"	Woodoiling roof timbers &c with 3 coats		"	
		Contingencies at 5 per cent			
		Total Rupees			

Consulting Architects Office
Madras 20 December 1881

W. Chisholm.
Consulting Architect to Govt

Sub Registrars Office

Terraced Building

detailed quantities

Consulting Architects Office
the
20 December 1881

Estimate of the cost of constructing a Registrar Office with terraced roofing according to Standard design, Sheet №19, signed by the officiating Consulting Architect & Surveyor on 16th September 81.

detailed quantities 12/25

Description of Work	No.	L.	B.	D.	Cubics	Total
	16½	3	4	4	4	4
Excavation for foundation						
Outer walls	-	149.0	4.6	4-6	3017	
partition	-	27.0	3.8	4-6	446	
Verandah walls	-	44.9	3.6	4.6	705	
Steps	-	15.0	3.0	1.0	45	
				Cubic feet.	4213	
Earthfilling in basement						
rooms	-	30.0	40.0	1.6	1200	
platform		11.6	20.0	1.0	230	
Verandah		3.1	97.0	1.6	333	
				Cubic feet	2363	
Concrete.						
outer walls	-	149.0	3.6	1.0	522	
partitions		28.0	2.8	1.0	75	
Verandah walls		45.9	2.6	1.0	114	
Steps		15.0	3.0	1.0	45	
				Cubic feet	756	
Brickwork in foundations						
footing course						
outer walls	-	149.0	2.8	1.6	596	
partitions	-	28.10	1.10	1.6	79	
Verandah walls	-	46.7	1.6	1.6	105	
above footing to ground level.						
outer walls	-	149.0	2.3	2.6	671	
partitions		29.3	1.6	2.0	88	
Verandah walls	-	47.0	1.0	2.0	94	
				Cubic feet	1633	

Brickwork in basement

outer walls	-	149.	2.3	2.0	671	
partitions	-	29.3	1.6	2.0	88	
Verandah walls	-	47.0	1.0	2.0	94	
Steps	-	15.0	3.0	0.5	23	
do	-	13.0	2.0	0.6	13	
do	-	11.0	1.0	0.6	6	
					895	
deduct stone in steps and under posts as per details					33	
			Cubic feet		862	

Brickwork in superstructure

outer walls	-	149.0	1.6	14.0	3759	
partitions	-	30.0	1.6	14.0		
corbels	8	1.0	0.6	1.6	6	
parapet	-	151.0	1.0	0.6	76	
do	-	150.0	0.9	1.0	113	
do	-	151.0	1.0	0.4	50	
binding wall	-	34.0	1.6	0.9	35	4039
Deductions						
Doors	2	4.0	1.6	8.0	96	
Windows	13	3.6	1.6	5.0	341	
Ventilators	7	3.6	1.6	2.3	83	
Archwork as per details					59	579
			Cubic	feet		3460

Archwork

Segmental arches over doors	2	5.3	1.6	1.0	59	Cub. feet
do windows	6	4.9	1.6	1.0		

Substoneworks

under posts	4	1.6	7.6	0.6	5	
Steps	-	45.0	1.3	0.6	28	
Slabs under beams	2	3.0	2.0	0.4	4	
do	4	2.0	2.0	0.4	5	
			Cubic	feet	42	

Teakwood.

Beams	4	22.3	0.10	1.5	105	
Joists	56	12.3	0.3	0.6	120	96
do	20	10.9	0.3	0.6	139	
do small under coping	42	2.7½	0.3	0.6		
do angle do	4	3.6	0.3	0.6		
Waling pieces	2	35.3	0.2	0.6	14	
do.	2	47.0	0.2	0.6		
Verandah posts	4	0.6	0.6	7.4½	7	
do breastsummers	3	11.0	0.6	0.9	12	
do brackets	6	1.1	0.3	1.1	2	
do rafters	23	9.9	0.3	0.4	19	
do wall plate	-	33.0	0.3½	0.5	4	
do Cane board	-	33.0	0.¾	0.6	1	
			Cubic	feet	303	

Wrought Ironwork

¾ inch bolts to secure Verandah wall plate	6	1.9=10.6	x 1.47	15.43
¾ inch hex. nuts & heads	6		x .43	2.58
3" x 3" x ⅛" washers	6		x .31	1.86
			lbs	19.87
			say lbs	20

Venetians & panel doors with frames

	2	4.0	8.0	64 Square feet

Venetian windows with frames

	6	3.6	5.0	105 Square feet

Windows with glazed Shutters & frames and ¾ inch square iron bars for Record room

	7	3.6	5.0	123 Square feet

Glazed Ventilators

	7	3.6	2.3	55 Square feet

Terrace roofing

		36.0	47.6	1710 Square ft
			Squares	17.10

Slope terrace

for Verandah	33.0	- 9.9	322	Sq. feet

Square 3.22

Flooring with 9 inch square bricks

Rooms	- 40.0	- 30.0	1,200	
Verandah	- 33.9	- 8.0	270	
door pieces	2 4.0	- 1.6	12	
			1,482	
deduct stones under posts	4 1.6	- 1.6	9	
		Square feet	1,473	

Squares 14.73

Plastering with two coats:

Interior				
rooms	2 100.0	- 14.0	2,800	
Exterior				
basement all round	- 93.3	- 2.4½	411	
superstructure	- 155.0	- 14.0	2170	
parapet	- 151.0	- 5.0	755	
binding wall	- 31.0	3.0	93	
door jambs	2 20.0	1.6	60	
window do	6 17.0	1.6	153	
do do	7 13.6	1.5	142	
Ventilator do	7 8.0	1.6	84	4,668
Deductions				
doorways	4 × 2 4.0	- 4.0	128	
windows	2 × 13 3.6	- 5.0	405	
Ventilators	2 × 7 3.6	- 2.3	110	643
		Square feet	3,975	

Squares 39.75

Plaster Cornice

at ends of terrace — Lineal feet 166

Wire-wire fraising

for Clerks room — Lineal feet 20

Painting doors, windows and exposed woodwork with 3 coats of Caromi oak paint.

Venetian & panel doors	3 64			192
do Windows	3 105			315
Glazed Windows with 4 rm bars	2 123			246
do Ventilators	1 65			55
Waling pieces	- 164.6	- 1.2	192	
Verandah posts	4 2.0	- 7.4½	59	
do brackets	6 1-0	- 1-0	6	
Eave board	- 33.0	- 1-0	33	
		Square feet	1,098	

Squares 10.98

Wood-oiling. 3 coats.

Railing	2 20.0	- 3.0	120	
Beams	4 23.0	- 3.8	337	
joists	56 12.3	- 1.3	1234	
do	28 10.9	- 1.3		
do	42 2.7½	- 1.2	1145	
do	4 3.6	- 1.2½		
bracets summers	3 11-0	- 2.0	66	
rafters	23 9.9	- 0.11	206	
wall plate	- 33.0	- 1-1½	37	
		Square feet	2,145	

Squares 21.45

120/28

Abstract

Quantity	Items	Rate.	per	Amount
4213 Cub. feet	Excavation for foundations		100 Cft	
2363 "	Earthfilling in basement		"	
756 "	Concrete		100 Cft	
1633 "	Brickwork in foundations		"	
862 "	—— Do —— in basement		"	
3460 "	—— Do —— in superstructure		"	
59 "	Arch work		"	
42 "	Cut Stonework		Cft	
303 "	Teakwood wrought & put up		Cft	
20 lbs	Wrought Ironwork		lbs	
64 Square ft	Venetian & panel doors with frames		Sq ft	
105 "	Venetian windows with frames		"	
123 "	Glazed windows with frames and Iron bars for Record room		"	
55 "	Glazed Ventilators		"	
17·10 Squas	Terrace roofing		Squas	
3·22 "	Slope terrace		"	
14·73 "	Flooring with 8 inch Square brick		"	
59·75 "	Plastering with two coats		"	
166 Lin. ft	Plaster cornice. exterior		Lin. ft	
20 "	Wooden railing		"	
10·98 Squas	Painting doors windows and exposed woodwork with 3 coats of Carson's oak paint		Square	
21·45 "	Wood oiling roof timbers &c. with 3 coats		"	
	Contingencies at 5 pr. Cent			

Total Rupees

W Chisholm
Consulting Architect to Govt

Consulting Architects Office
Madras 20th December 1881

Registrar's Office

Terraced Building

Detailed Quantities

Consulting Architect's Office
20th December 1881.

Department Public Works

Registrar's and Sub-Registrar's Offices with Terrace Roofing

Specification of works to be performed in executing the Standard designs for Registrar's and Sub-Registrar's Offices according to Drawings Sheets Nos 19 and 21, signed by the Offg: Consulting Architect on 16th September 1881.

Excavator

Clearing site. Take down any existing building on the site stacking such materials as may be desired to be used again.

Excavation. After the centre lines have been pegged out lined out on either side of the line half the total breadth of the foundations and excavate to the depth or depths shown on the drawing or to such depths as the Officer in charge of the works may direct.

Slips & Baling. If slips occur during the progress of the works, clear the material away and take any water lodging in the trenches from out to holes made within the limits of the same.

Ramming. After the Officer in charge of the work has seen that the trenches are the full and proper widths and depths well ram the bottom with heavy beaters for the after reception of the concrete.

Bricklayer

Concrete. Lay over the full breadth of the trenches about 9 inches of concrete as hereinafter specified and well ram with heavy beaters to a thickness of about 6 inches. After the first lay or bed

t, lay a second and execute as before.
e concrete should be about 12 inches thick
K- Mark off carefully the centre lines
off the thicknesses of the footing courses
king to the plan.

The Brickwork will be executed in sound hard
al and care will be taken to insert during the
progress of the work the door and window frames,
wood bricks for pointing &c.-

The walls will be two bricks thick about 18 inches

Splays- The openings will be splayed as shown on the plan.

Arching- The heads of the openings will be covered by segmental arches built in concentric rings clear of the frame. The space between the arch and the top of the frame will be carefully closed in after the Brickwork has settled down.

Bond- The bond should be English if possible.

Stones- Set the stones under the verandah posts, also those under the beams and fasten properly all wood supplied by the carpenter.

Stone Masonry

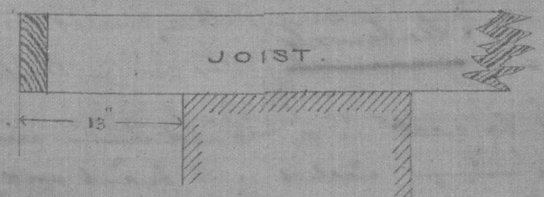
Provide and dress two lines No 4 stones 1'-6" x 1'-6" x 6" with mortice holes. 2" square 3½" deep to receive the verandah posts.

Steps- Provide and dress two lines, the steps shown on the drawing tailing each stone not less than 3 inches

Carpenter

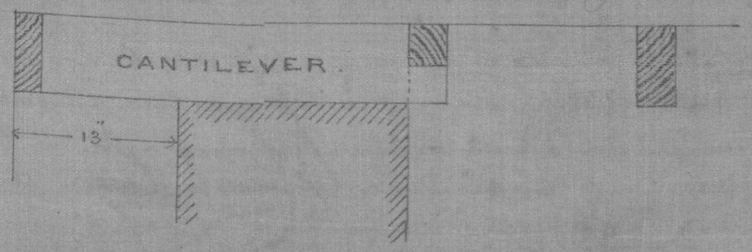
Note- Vary this clause to suit Registrars and Sub Registrars offices. Supply beams ____ x ____ x ____ supply joists ____ x ____ x ____ supply doors windows and ventilators as shown on the drawing neatly rebated and morticed in a workmanlike manner.

Bed also the joists into the beam to the depth of half an inch. The longitudinal joists will project over the wall to the extent of about 13 inches forming the waling piece



120/30

small cantilevers will be arranged along the longitudinal walls halved under the joists nearest the wall thus;-



Support all joists and beams during the execution of the terrace and slightly ease the wedges as the work progresses, allow the supports to remain for three weeks after the completion of the terrace

Terrace

Lay over ordinary terrace brick in mortar and finish off in the particular method employed in the District taking care to make proper slopes for drainage

Flooring

After the surface has been brought up to the proper level lay an even floor of eight inch Spar tiles set diagonally. The tiles will be rubbed on the surface and gauged to fit each other.

Plasterer

Plaster the whole of the interior and exterior with two coats of plaster (see specification Standard designs for Police Stations dated

15th January 1881.) 158

Materials

The bricks will be cast in a mould ____ inches × ____ inches × ____ inches well burnt and free from defects.

The timber will be well seasoned and free from defects.

The lime will be collected at ____ properly burnt and slaked.

The sand will be collected at ____

W. Clarke Esq.

Consg Architect to Govmt.

Registrars & Sub Regr
Offices.

Terraced Buildings

Specification

Consulting Architect Office
20th December 1881

Estimate of the cost of constructing a Sub Registrars office with tiled roofing according to Standard design Sheet No. 22 signed by the Officiating Consulting Architect to Government on 16th September 1881.

12/32

Detailed quantities

Description of Work	No.	L	B	D	Contents	Total
Excavation for foundations						
outer walls	-	99.0	4.6	4.6	2005	
partitions	-	21.0	3.8	4.6	347	
Verandah walls	-	35.9	3.6	4.6	563	
Steps	-	13.0	3.0	1.0	39	
				Cubic feet		2954
Earthfilling in basement						
Rooms	-	24.0	21.0	1.6	756	
platform	-	12.0	5.6	1.0	102	
Verandah	-	25.9	5½	1.6	198	
				Cubic feet		1056
Concrete						
Outer walls	-	99.0	3.6	1.0	347	
partitions	-	22.0	2.8	1.0	59	
Verandah walls	-	36.9	2.6	1.0	92	
Steps	-	13.0	3.0	1.0	39	
				Cubic feet		537
Brickwork in foundations						
footing course						
outer walls	-	99.0	2.8	1.6	396	
partition	-	22.10	1.10	1.6	63	
Verandah walls	-	37.7	1.6	1.6	85	
				Carried out Cubic feet		544

Brought forward cubic feet					544
above footing to ground level					
outer walls		99.0	2.3	2.0	446
partition		23.3	1.6	2.0	70
Verandah wall		38.0	1.0	2.0	76
					1135
Cubic feet					
Brickwork in basement					
outer walls	-	99.0	2.3	2.0	446
partition	-	23.3	1.6	2.0	70
Verandah wall	-	38.0	1.0	2.0	76
Steps	-	13.0	3.0	0.6	20
do	-	11.0	2.0	0.6	11
do	-	9.0	1.0	0.6	5
					628
deduct stone in steps and under posts as per details					29
Cubic feet					599
Brickwork in Superstructure					
outer walls		99.0	1.6	2.0	2214
partition		24.0	1.6	12.0	
gables	3	27.0	1.6	4.6	547
over gable ends	2	33.0	1.6	0.9	74
Corbels	12	1.0	0.6	1.6	9
band over Verandah roof	1	27.0	0.3	0.9	5 2849
Deductions					
Doorways	2	4.0	1.6	8.0	96
Windows	8	3.6	1.6	5.0	210
Gable Ventilators	8	1.3	1.3	1.6	19
Arch work as per details					94 419
Cubic feet					2430
Archwork					
Segmental arches over doors	2	5.3	1.6	1.0	
do Windows	6	4.9	1.6	1.0	94 Cubic ft
Semi-circ: arch for Gable Ventilators	2	11.9	1.6	1.0	

Cut stonework

under posts	4	1.6	1.6	0.6	5
steps	-	39.0	1.3	0.6	24
Slabs under beams	3	2.0	3.0	0.4	6
do	6	2.0	2.0	0.4	8
				Cubic feet	43

Oakwood 120/33

Clerks' room purlins & ridge	3	14.0	0.5	0.9	23
Record room do	3	11.0	0.5	0.9	
wall plates	2	25.6	0.3	0.3	3
Rafters	36	19.0	0.3	0.4	57
Struts	36	2.6	0.3	0.3	6
uprights (anble)	72	3-2	0.3½	0.1½	8
Eaves board	2	27.0	0.¾	0.5	1
Verandah posts	4	6-6	0.5	0.5	4
do breastsummers	3	9.1½	0.5	0.7½	7
do brackets	6	1.1	0.3	1.1	2
do rafters	19	9-1½	0.3	0.4	14
do wall plates	1	27.0	0.3	0.5	3
do Eave board	1	27.0	0.¾	0.5	1
				Cubic feet	129

Wrought Ironwork

mild dia: bolts through Verandah wallplate	6	1-9-10-6	× 1·47 =	15·43
mild hex. nuts & bolt heads.	6		× ·43 =	2·58
× 3" × ⅛" washers for do	6		× ·31 =	1·86
			£s	19·87
			Say £s	20

Venetian & panel doors with frames.

	2	4-0	- 8-0	64 Square feet

Venetian windows with frames

	4	3-6	- 5-0	70 Square feet

Glazed Windows with frames and ¾ inch square iron bars for Record room

	4	3-6	- 5-0	70 Square feet

Louvred Ventilators in Gables

	8	1-3	- 1-3	12½ Square feet

17

Tiled roofing

Over rooms	26.9	-	39.0	1043
" Verandah	27.0	-	9.1½	24.
			Square feet	1289
			Squares	12.89

Flooring with 8 inch square bricks.

Clerks & Registrars rooms	- 24.0	-	12.0	288
Record room	- 24.0	-	9.0	216
Verandah	- 27.9	-	6.6	180
door pieces	2 4.0	-	1.6	12.
				696
deduct stones under posts	4 1.6	-	1.6	9
			Square feet	687
			Squares	6.87

Plastering with two coats

Interior

Clerks & Registrars rooms	- 72.0	-	12.0	864
Record room	- 66.0	-	12.0	792
Gables	4 24.0	-	4.6	432
Exterior				
Basement all round	- 120.3	-	2.4½	216
Superstructure	- 105.0	-	12.0	1260
Gables	2 27.0	-	5.2	279
Wall under do	2 33.0	-	3.2	198
Door jambs	2 20.0	-	1.6	60
Window do	4 17.0	-	1.6	102
do do	4 13.6	-	1.8	81

Deductions

Doorways	2x 2	4.0	-	5.0	120
Windows	2x 8	3.6	-	5.0	280
				Square feet	3924
				Squares	39.24

Wooden railing

for clerks' room — Lineal feet 12

Painting doors, windows and exposed woodwork with 3 coats of Carson's paint.

Venetian & panel doors	3	64		192
do Windows	3	70		210
Glazed windows with iron bars	2	70		140
Glazed Ventilators				13
Struts	36	2.6	- 1.0	90
uprights	72	3.0	- 0.8½	153
Eaves boards	2	27.0	- 0.9	41
Verandah post	4	6.6	- 1.8	43
do brackets	6	1.0	- 1.0	6
do eave board	-	27.0	- 0.9	20
			Square feet	908
			Squares	9.08

Wood oiling. 3 coats.

Railing	2	12.0	- 3.0	72
purlins & ridge	3	14.0	- 1.11	144
do	3	11.0	- 1.11	
rafters	36	19.0	- 0.11	627
breast summers	-	27.0	- 1.8	45
rafters	19	9.1½	- 0.11	159
wall plate	-	27.0	- 0.8	18
			Square feet	1065
			Squares	10.65

Abstract

Quantity	Item	Rate	per	Amount
3954 Cub. ft	Excavation for foundations		100 Cft	
1856 "	Earth filling in basement		"	
537 "	Concrete		100 Cft	
1135 "	Brickwork in foundations		"	
599 "	Do in basement		"	
2430 "	Do in superstructure		"	
94 "	Arch work		"	
43 "	Cut stone work		Cft	
129 "	Teak wood prongs fixed up		"	
20 Cwt	Wrought Iron work		Cwt	
676 Square ft	Venetian & panel door with frames		Sq. ft	
70 "	Venetian Windows with frames		"	
70 "	Glazed Windows with frames & 3mm Glass for Record room		"	
12½ "	Glazed Ventilators in Gables		"	
1287 Square ft	Tiled roofing with flat & pan tile including teak rafters		Square	
6·87 "	Flooring with 6 inch square bricks		"	
34·46 "	Plastering with two coats		"	
12 Sup. ft	Wooden pailing		Sup. ft	
9·08 Sqrs.	Painting doors, windows and exposed wood work with 3 coats of Carson's oil paint		Square	
0·65 "	Wood oiling roof timbers &c. 3 coats		"	
	Contingencies @ 5 per cent			
	Total Rupees.			

Consulting Architects Office
Madras
20th December 1881

B. Chisholm.
Civil Engineer Architect & Contr.

4

Sub. Registrars Office

Tiled Building

Detailed quantities

Consulting Architects
to
Government
20 December 1889.

Estimate of the cost of constructing a Registrars Office with tiled roofing according to Standard, Sheet №20, signed by the officiating Consulting Architect to Government on 16th September 1889

Detailed quantities

Description of Work	№.	d	B	D	Cubic Total
Excavations for foundations					
outer walls	-	149.0	4.6	4.6	3017
partition	-	27.0	3.8	4.6	446
Verandah walls	-	44.9	3.6	4.6	705
Steps		15.0	3.0	1.0	45
				Cubic feet	4213
Earthfilling in basement					
rooms	-	30.0	40.0	1.6	1800
platform	-	11.6	20.0	1.0	230
Verandah	-	31.9	7.0	1.6	333
				Cubic feet	2363
Concrete					
outer walls	-	149.0	3.6	1.0	522
partition	-	28.0	2.8	1.0	75
Verandah walls	-	45.9	2.6	1.0	114
Steps	-	15.0	3.0	1.0	45
				Cubic feet	756
Brickwork in foundations					
footing course	-	149.0	2.8	1.6	596
outer walls	-	28.10	1.10	1.6	79
partitions	-	46.7	1.6	1.6	105
Verandah walls					
				Carried on Cubic feet	780

Brought forward cubic feet 780

above footing to ground level

note wall	-	149.0	2.3	2.0	671
partition	-	29.3	1.6	2.0	88
Verandah wall	-	47.0	1.0	2.0	94
				Cubic feet	1633

Brickwork in basement.

note walls	-	149.0	2.3	2.0	671
partition	-	29.3	1.6	2.0	88
Verandah walls	-	47.0	1.0	2.0	94
Steps	-	15.0	3.0	0.6	23
do	-	13.0	2.0	0.6	13
do	-	11.0	1.0	0.6	6
					895
deduct stone in steps and under posts as per details					33
				Cubic feet	862

Brickwork in Superstructure

note walls	-	149.0	1.6	14.0	3759	
partition	-	30.0	1.6	14.0		
gables	3	33.0	1.6	5.3	780	
one gable end	2	40.0	1.6	0.9	90	
corbels	12	1.0	0.6	1.6	9	
Band over Verandah roof		33.0	0.3	0.9	6	4644
deductions						
Doors	2	4.0	1.6	8.0	96	
Windows	12	3.6	1.6	5.0	315	
Ventilators	4	3.6	1.6	2.3	47	
Archwork as per details					108	566
				Cubic feet		4078

Archwork

Segmental Archwork over doors	2	5.3	1.6	1.0	16
do do Windows	8	4.9	1.6	1.0	57
Semi circ: arched gable Ventilators	2	11.9	1.6	1.0	35
				Cubic feet	108

Cut Stonework

under posts	4	1.6	1.6	0.6		5
Steps	-	45.0	1.3	0.6		20
Slabs under beams	3	3.0	2.0	0.4		14
do	6	2.0	2.0	0.4		
					Cubic feet	47

Scaffwood.

purlins ridge	6	22.3	0.9	1.2		117
wall plates	2	44.6	0.3	0.3		6
rafters	60	22.6	0.3	0.5		141
Struts	60	2.6	0.3	0.3		9
uprights double	120	3.2	0.1½	0.3½		14
Cants board	2	45.9	0.¾	0.6		3
Verandah posts	4	0.6	0.6	7.4½		7
do breastsummers	3	11.0	0.6	0.9		12
do brackets	6	1.1	0.3	1.1		2
do rafter	23	10.9	0.3	0.5		26
do wallplate	1	33.0	0.3½	0.5		4
do eave board	1	33.0	0.¾	0.6		1
					Cubic feet	342

Wrought Ironwork

¾ inch dia: bolts to secure Verandah wallplate	6	1.9 = 10.6 × 1.47 =	15.43
¾ inch hex. nuts & heads	6	× .43 =	2.58
3" × 3" × ⅛" washers for do	6	× .31 =	1.86
		lbs	19.87
		say lbs	20

Venetian & panel doors with frames.

	2	4.0	- 8.0	64 Sq: feet

Venetian Windows with frames

	6	3.6	- 5.0	105 Sq: feet

Windows with glazed shutters & frames and ¾ inch square iron bars

for record rooms	6	3.6	- 5.0	105 Sq: feet

Glazed Ventilators with frames

at sides	4	3.6	– 2.3	31½
at gables	8	1.3	– 1.3	12½
			Square feet	44

Tiled roofing

over rooms		45.9	– 46.0	2,105
over Verandah		33.0	– 10.9	355
			Square feet	2,460
			Squares	24.60

Flooring with 8 inch square bricks on a levelling course of wall bricks

rooms		40.0	– 30.0	1,200
Verandah		33.9	– 8.0	270
door pieces	2	4.0	– 1.6	12
				1,482
Deduct stones under posts	4	1.6	– 1.6	9
			Square feet	1,473
			Squares	14.73

Plastering with two coats.

Interior				
rooms	2	100.0	– 14.0	2,800
gable	4	30.0	– 5.3	630
exterior				
basement all round		173.3	– 2.4½	411
superstructure		155.0	– 14.0	2,170
gables	2	33.0	– 5.6	363
wall over do	2	40.0	– 3.0	240
door jambs	2	20.0	– 1.6	60
window do	8	17.0	– 1.6	204
do	4	13.6	– 1.6	81
Ventilator do	4	8.0	– 1.6	40

Carried over Square feet 7,007

Brought forward Cubic feet 7007

Deductions

doorways	2 × 2	4.0	– 8.0	128	
Windows	2 × 12	3.6	– 5.6	462	
Ventilators	2 × 4	3.6	– 2.3	63	653
			Square feet		6,354
			Squares		63.54

Wooden railing

for clerks' room — Lineal feet 20

Painting doors, windows and exposed woodwork with 3 coats of Carons oak paint.

Venetian doors	3	64.0		192
do windows	3	105.0		315
Glazed windows with crimbars	2	105.0		210
do Ventilators				44
Struts	60	2.6	– 1.0	150
uprights	120	3.2	– 0.8½	269
lane board	2	45.9	0.10½	80
Verandah posts	4	2.0	7.4½	59
Brackets	6	1.0	1.0	6
lane board	1	33.0	0.10½	29
			Square feet	1354
			Squares	13.54

Wordoiling 3 coats

Railing	2	20.0	– 3.0	120
purlins & ridge	6	22.3	– 3.1	412
rafters	60	22.6	– 1.1	1463
breastsummers	3	11.0	– 2.0	66
rafters	23	10.9	– 1.1	268
wall plate	1	33.0	– 1.1½	37
			Square feet	2,366
			Squares	23.66

Abstract.

Quantity	Items	Rate	per	Amount
4213 Cubic ft.	Excavation for foundation		1000 C ft	
2363 "	Earthfilling in basement		"	
756 "	Concrete		100 C ft	
1633 "	Brickwork in foundations		"	
862 "	—— Do —— in basement		"	
4078 "	—— Do —— in superstructure		"	
108 "	Archwork		"	
47 "	Cutstonework		C. ft	
342 "	Teakwood wrought & put up		"	
20 lbs	Wrought Ironwork		lbs	
64 Square ft	Venetian and panel doors with frames		Sq. ft	
105 "	Venetian windows with frames		"	
105 "	Glazed windows with frames and iron bars for Record room		"	
44 "	Glazed Ventilators		"	
24·60 Square	Tiled roofing with flat and pan tiles including teak reepers		Square	
14·73 "	Flooring with 8 inch square bricks		"	
63·54 "	Plastering with two coats		"	
20 Sup. ft	Wooden railing		S. ft	
13·54 Square	Painting with 3 coats of Arem paint		Square	
23·66 "	Wood-oiling roof timbers 3 coats		"	
	Contingencies at 5 per cent			
			Total Rupees	

Superintending Architects office
Madras 20 December 1881

B. Christensen.
Superintending Architect & Govt.

Registrars Office

Tiles Building

Detailed quantities

Consulting Architects Office
The 20th December 1881.

Department Public Works 12/20

Registrars and Sub Registrars Offices
with Tiled Roofing

Specification of works to be performed in executing the Standard designs for Registrars and Sub Registrars Offices according to Drawings Sheets Nos 20 and 22 signed by the Offg Consulting Architect on the 16th September 1881.

Excavator

Clearing site - Take down any existing building on the site stacking such materials as it may be desirable to use again.

Excavation - After the centre lines have been pegged and lined, cut out on either side of the lines so as to the total breadth of the foundations and cart to the depth or depths shown on the drawing or to such depth as the Officer in charge of the works may direct

Slips & Baling - If slips occur during the progress of the works, clear the material away and bale any water lodging in the trenches from a hole or holes made without the limits of the same.

Ramming - After the Officer in charge of the works has seen that the trenches are the full and proper widths and depths well ram the bottom with heavy beaters for the after reception of the concrete.

Bricklayer

Concrete - Lay over the full breadth of the trenches about 9 inches of concrete as hereinafter specified and well ram with heavy beaters to a thickness of about 6 inches. After the first layer has consol

round and excavate as before. The complete concrete
ould be about 12 inches thick.

Brickwork - Mark off carefully the centre lines and
lay off the thicknesses of the footing course according
to the plans.

The brickwork will be executed in sound materi-
al and care will be taken to insert during the
ress of the work the door and window frames,
wood bricks for nailing &c.

The walls will be two bricks thick about 18 inches.

Splays - The openings will be splayed as shown on the plan

Arching - The heads of the openings will be covered by segmental arches built in concentric rings clear of the frame. The space between the arch and the top of the frame will be carefully closed in after the Brickwork has settled down.

Bond - The bond should be English if possible.

Stones - Set the stones under the verandah posts, also base under the beams and fasten properly. All wood supplied by the carpenter.

Stone Mason

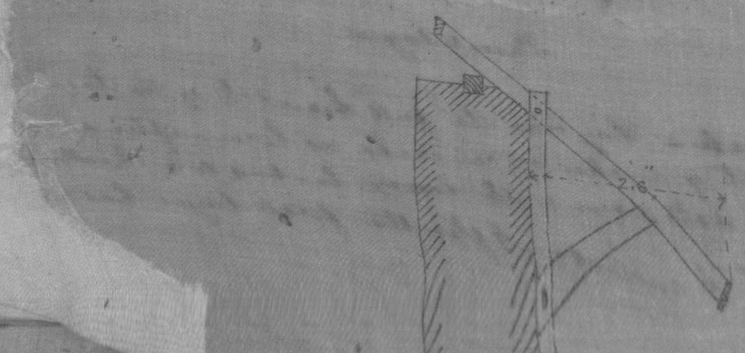
Provide and dress two lines No 4 stones 1'-6" x 1'-6" 6" with mortice holes 2" square and 2" deep to receive verandah posts.

Provide and dress two lines, the steps shown drawing tailing each stone not less than three

Carpenter

te - Vary this clause to suit Registrars and Sub Registrars Offices - Supply beams ___ x ___ x ___ supply rafters ___ x ___ x ___ supply doors windows and ventilators as shown on the drawing neatly rebated and mortised in a workmanlike manner.

The rafters will be notched over the beams and project at 2 ft 6 inches from the face of the wall and outlet as shown on the drawing -



Roofing

Tiling - Cover the roof with well burnt flat and pan tiles laid in the usual manner and the pidge with tiles specially made for the purpose.

Chunam Bands - Protect the pidge with chunam and lay bands on the tiling ___ inches broad and ___ inches apart rough cast on the surface.

Flooring

After the surface has been brought up to the proper level lay an even floor of eight inch square tiles set diagonally. The tiles will be rubbed on the surface and jointed to fit each other.

Plasterer

Plaster the whole of the interior and exterior with two coats of plaster (see specification Standard design for Police Stations dated 6th January 19

Materials

The bricks will be cast in a mould ___ inches x ___ inches x ___ inches well burnt and free from defects.

The timber will be well seasoned and free from defects.

The lime will be collected at ___ properly burnt and slaked.

The sand will be collected at ___

H Chisholm

Consg Architect to Govern

6

Registrar's Sub Registrar's Offices

Tiled Building

Specification

Consulting Architect's Office
20th December 1881

120/62

Furnish copy of letter at once

5/1/82

No 1158 N

GOVT. OF MADRAS. } 188 { P. W. DEPT.

SECRETARY.

Chepauk, 21 December 1881.

OFFICE NOTE.

To Mr Conry. Architect.

With reference to my office note of yesterday No 1150, please furnish this Office with a copy of your letter No 465 of 16 Sept 81, if the papers which accompanied my D. O. No 994 of 12 Nov 81 cannot be found.

21.12.81

Cy No 757 Copy of letter furnished

W Christie
Secy to Govt

P. W. DEPARTMENT—1881-82.

~~MEMORANDUM.~~

120 N

Current No. 5319.

Letter Number 465

dated the 16th Sept 1881.

from the ~~Supg Engineer of~~ Consulting Architect to Govt

Note of Remarks.

The undermentioned alternative standard designs submitted by the Offg Consulting Architect for Registrars & Sub Registrars offices have been prepared in accordance with the remarks of the Insp Genl of Registration with the sketch plans which was forwarded with his D.O. Judl Dept. No 112. dated 20th January 1881.

1- Standard design of Registrars Office - Tenanted building
2- do — do — do - Ditto — do —
3- do — do - of Sub Registrars Office Tenanted — do
4- do — do — do - Ditto — do

The Estimates & specifications will be furnished when the plans are returned from the Lithog Dept.

19th Sept 81

Judicial Department.

120
44

PROCEEDINGS of the MADRAS GOVERNMENT.

READ the following

Memorandum from the Public Works Depart=
=ment, dated 21st December 1881 No.
3113.

Order thereon 9th January 1882 No. 33

Ordered accordingly.

(True Extract)

J. Bailey
Actg Asst Secretary

To the Public Works Department
with Copy of order.

Govt. of {188 } Madras.

To

Dated
Recd. } 188 , No.

Nos.

Forwarding Ms Report
Go to 2283 of 7th Nov/87
relative to Abandoned
dwelling for Pycrofts
Peons

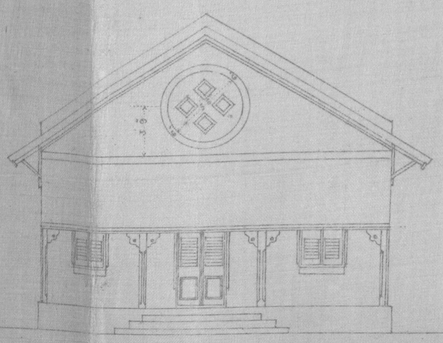
WCH Lt-Col
Ch
10/12

STANDARD PLAN OF A SUB REGISTRARS OFFICE.

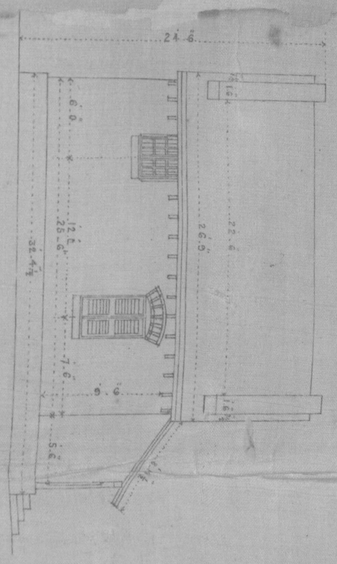
TILED BUILDING

G.O. Nº 120 W. DATED 14TH JANUARY 1882

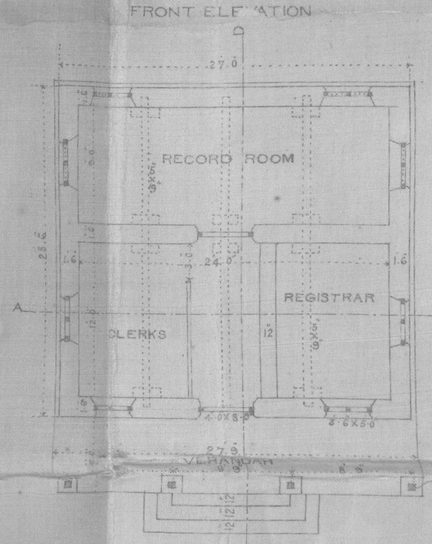
SHEET Nº 22



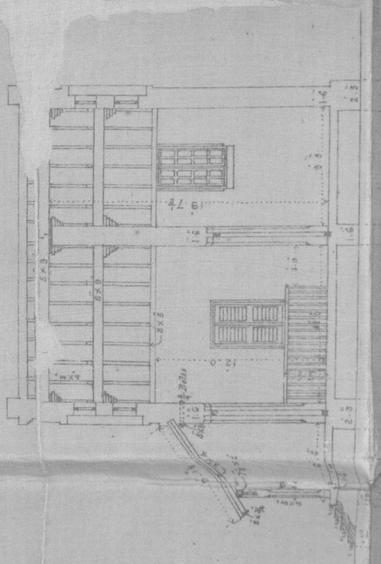
FRONT ELEVATION



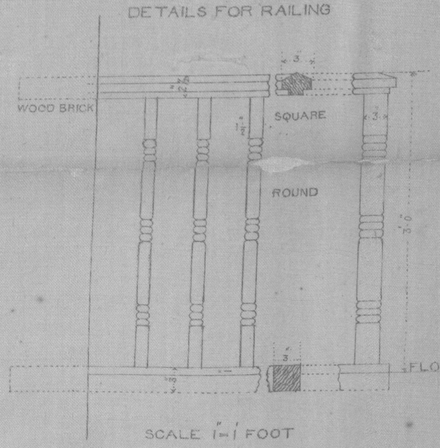
SIDE ELEVATION



PLAN

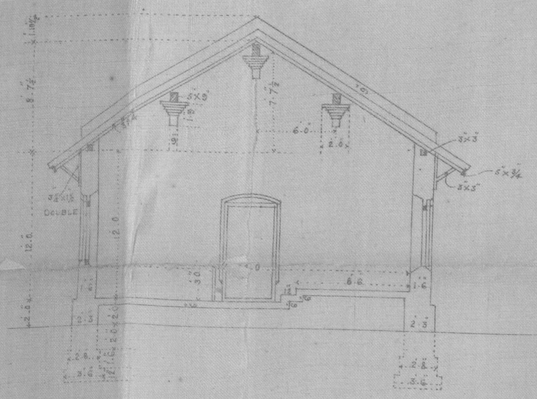


SECTION THRO' C.D



DETAILS FOR RAILING

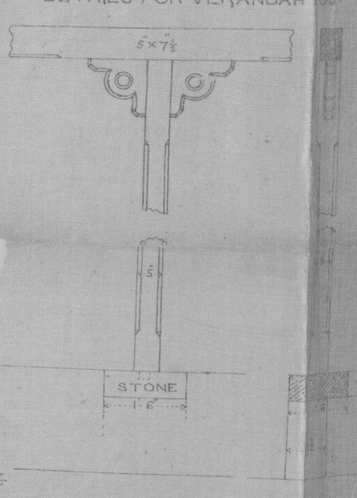
SCALE 1"=1 FOOT



SECTION THRO' A. B

SCALE 8=1 INCH.

TRACED BY S. MUTHASWAMY AND LITHS. BY P. J. BALDREY & GOVT. LITHO. PRESS CHAPAUK



DETAILS FOR VERANDAH POST

ELEVATION SECTION

SCALE ½ AN INCH = 1 FOOT

Supt and Manager
Govt Lith Dep Chapauk
Madras January 1882

(Signed) A. T. Fraser Major R. E.
Offg Consulting Architect to Govt
16th September 1881

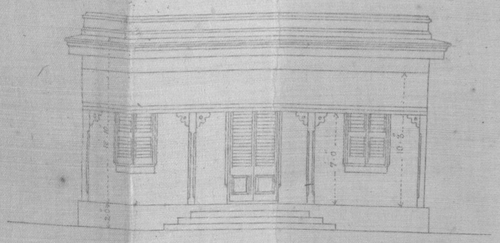
(Signed) Geo Harnett
Insp Genl of Regs

Lt-Col R. E.
Actg Dy Chief Engineer P.W.D.

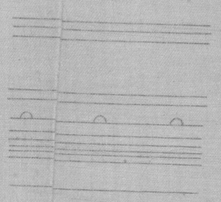
STANDARD PLAN OF A SUBREGISTRARS OFFICE.
TERRACED BUILDING.

G.O. Nº 120.W. DATED 14TH JANUARY 1882.

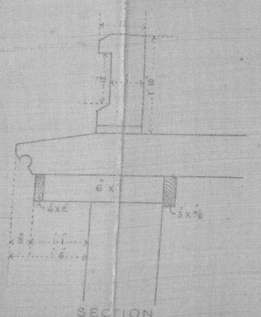
SHEET. Nº 21.



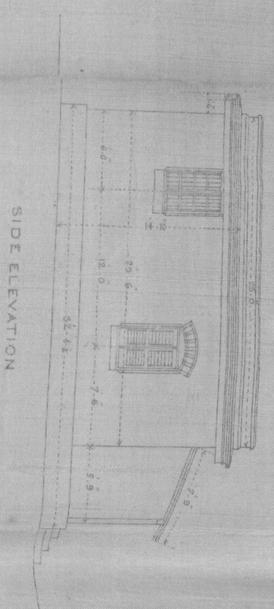
FRONT ELEVATION.



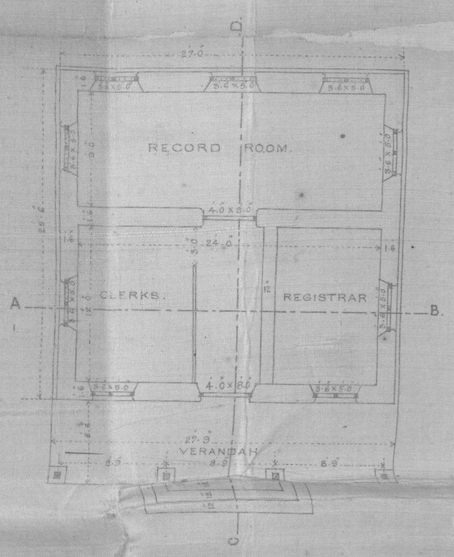
ELEVATION.



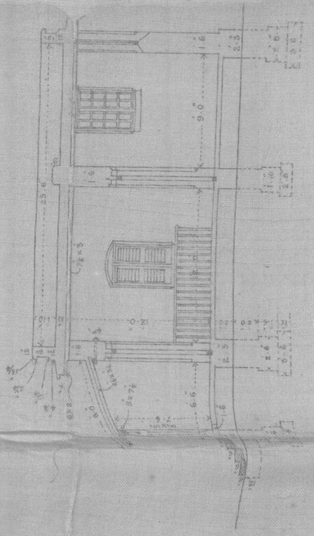
SECTION



SIDE ELEVATION

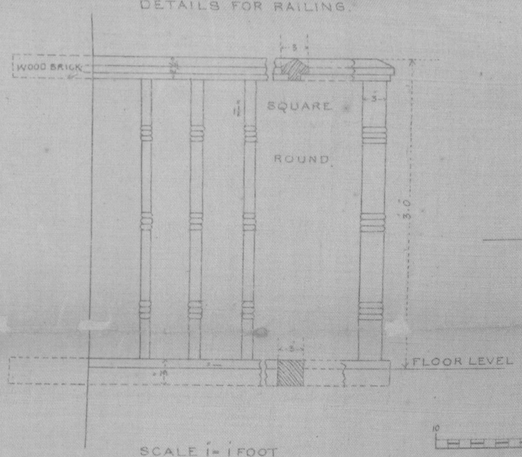


PLAN

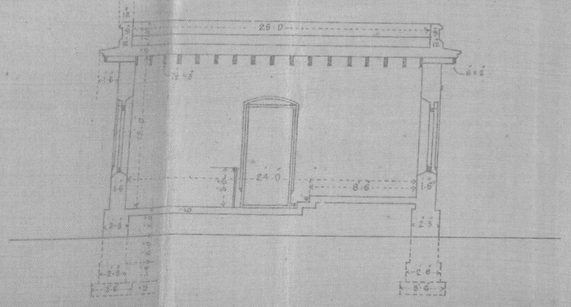


SECTION THRO' C.D

DETAILS FOR RAILING.



SCALE 1 = 1 FOOT

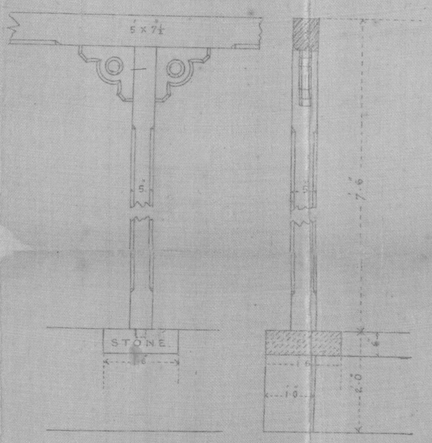


SECTION THRO. A.B.

SCALE 8 = 1 INCH

TRANSFER BY T. THAVARAJOO AND LITH.ED BY R. J. BALDREY GOVT LITH.C DEPT. CHEPAUK. 1882.

DETAILS OF VERANDAH POSTS.



ELEVATION SECTION

W.B. Baldrey
Supt and Manager
Govt Litho. Dept Chepauk
Madras January 1882

(Signed) *A. T. Fraser Major R.E.*
Offg Consulting Architect to Govt.
16th September 1881.

(Signed) *Geo: Hamnett*
Inspr Genl. of Regns

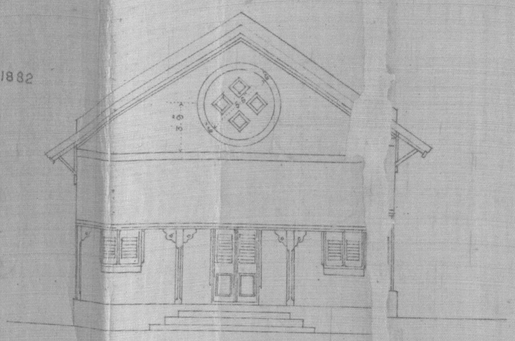
Lieut Colr R.E.
Actg Dy Chief Engineer P.W.D

STANDARD PLAN OF A SUB REGISTRARS OFFICE.

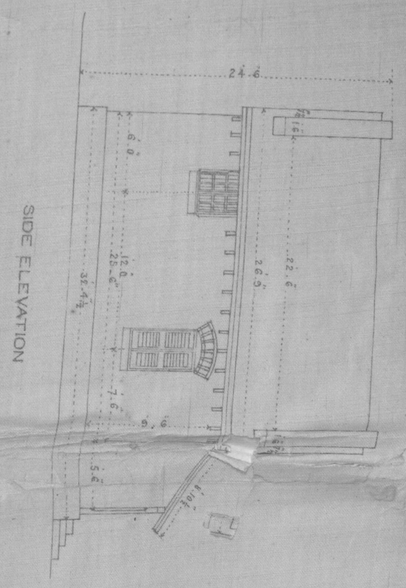
TILED BUILDING

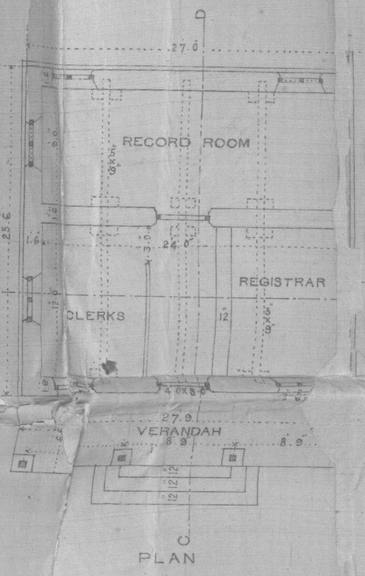
G.O. Nº 120 W. DATED 14TH JANUARY 1882

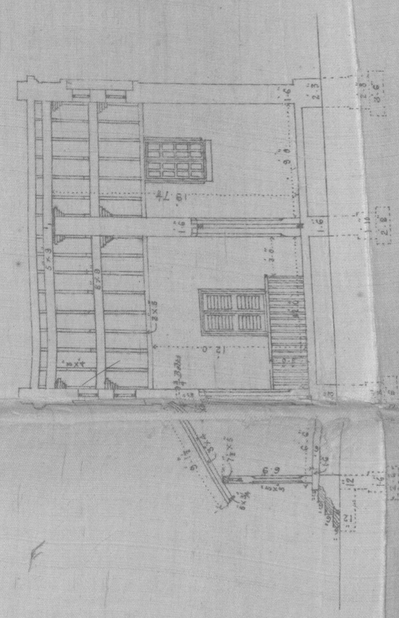
SHEET Nº 22

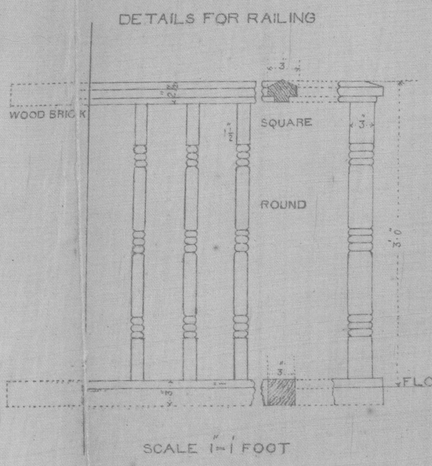


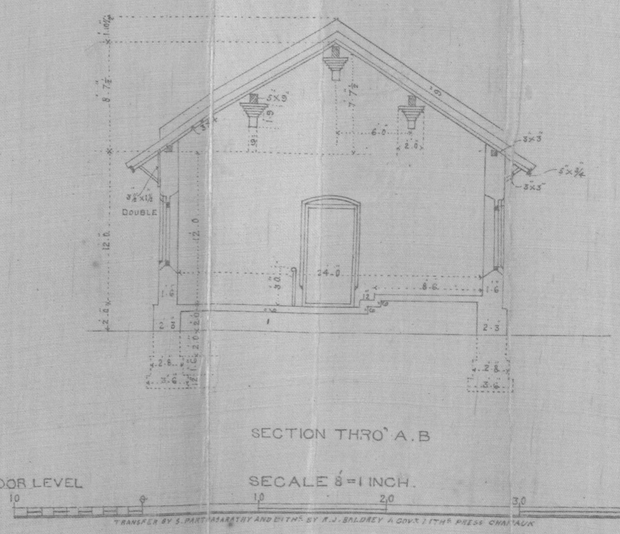
FRONT ELEVATION

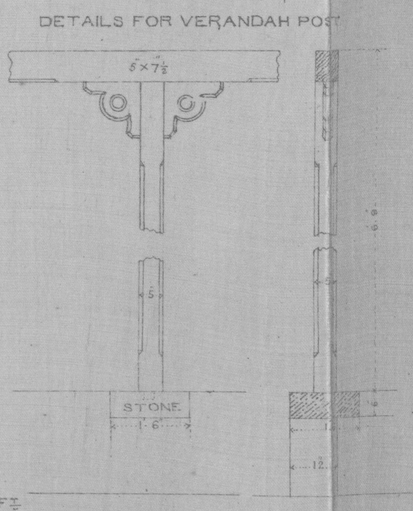












(Signed) W. Baldrey
Supt and Manager
Govt Lith Dep Chapauk
Madras January 1882

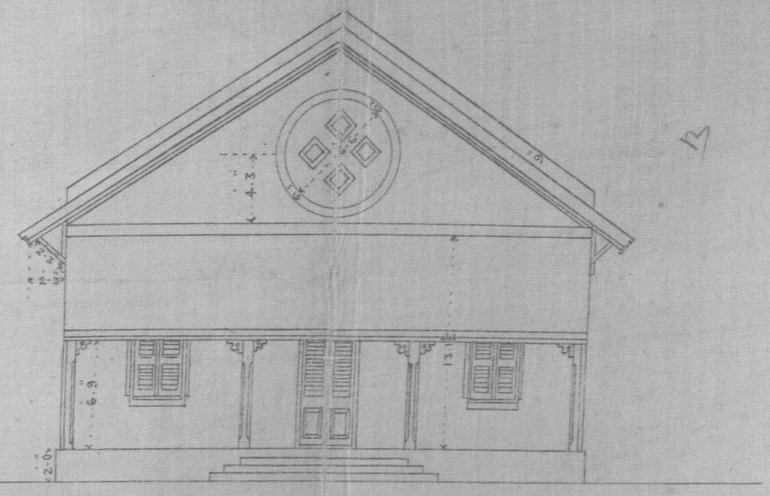
(Signed) A.T. Fraser Major R.E.
Off Consulting Architect to Govt
16th September 1881

(Signed) Geo Harnett
Insp Genl. of Regs

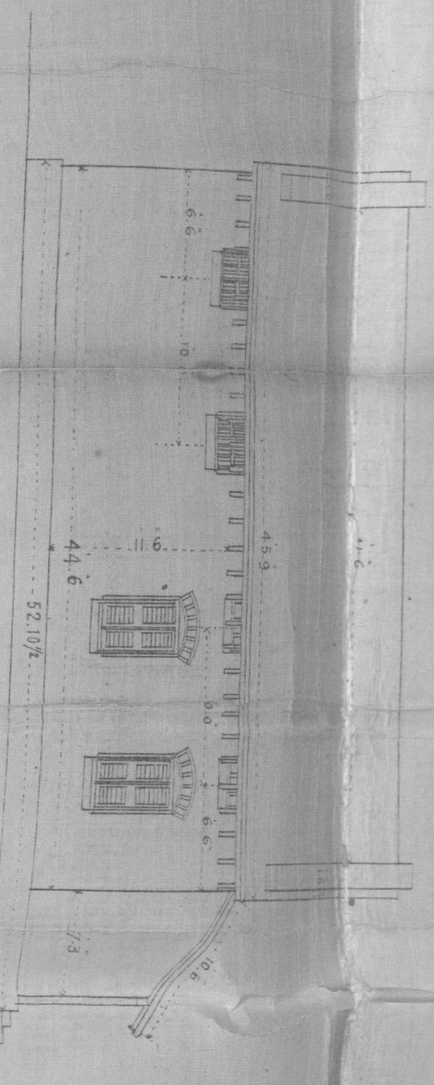
Lieut Col R.E.
A.G. D.G. Chief Engineer P.W.D.

STANDARD PLAN OF A REGISTRARS OFF
TILED BUILDING.

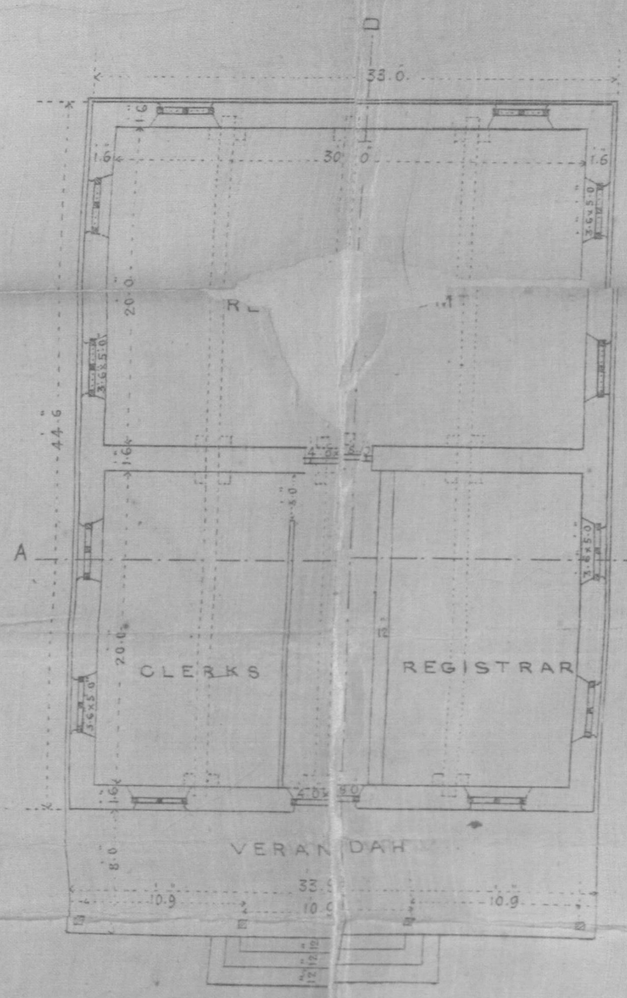
G.O. Nº 120.W. DATED 14TH JANUARY 188[illegible]



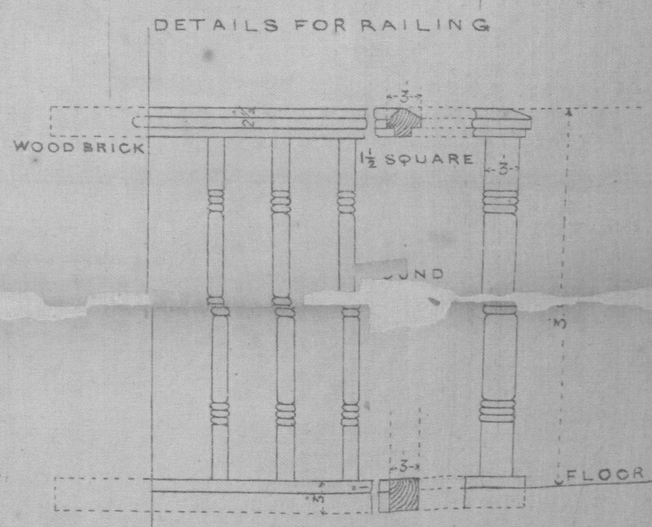
FRONT ELEVATION



SIDE ELEVATION

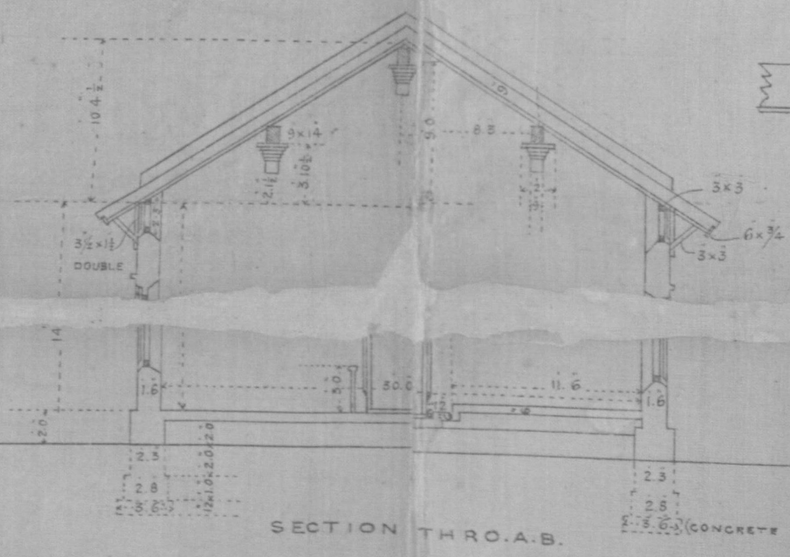


PLAN

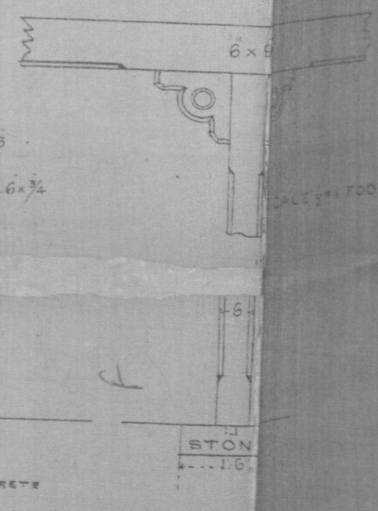


DETAILS FOR RAILING

SCALE 1 INCH = 1 FOOT.



SECTION THRO A.B.



DETAILS FO VERANDAH POSTS

SCALE 1ST FOOT

SCALE 8 = 1 INCH

10 0 10 20 30 40 FT

ELEVATIO

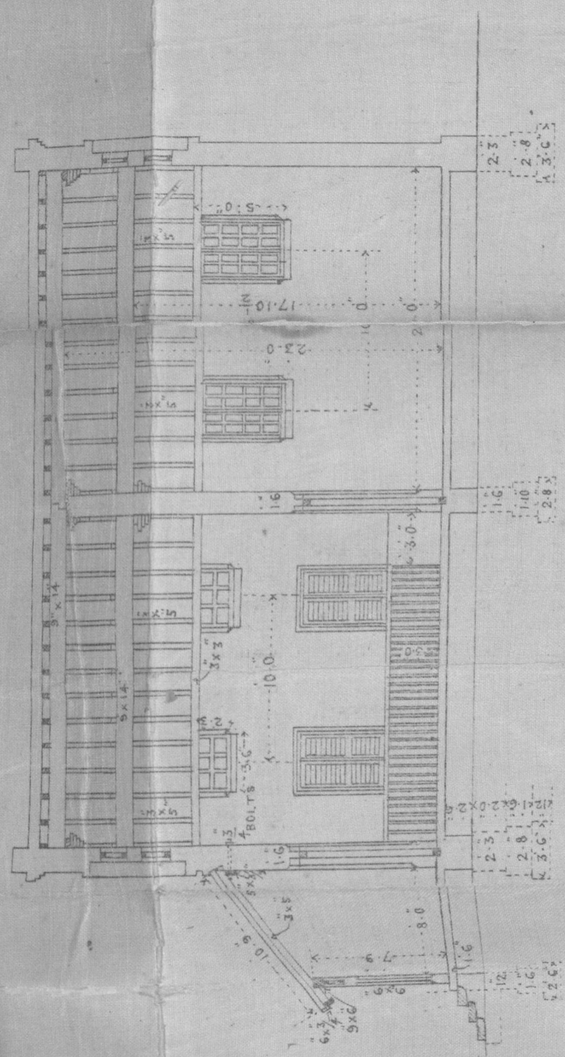
Sup[t] and Manager
Gov[t] Litho[c] Dep[t] Chepauk
Madras January 1882

(Signed) Geo. Hamnett
Insp[r] Genl: of Reg[rs]

DN. TRANSFER BY C. SARAVANAVELOO MOD[r] LITHO[c] BY R. J. BALDRY GOV[t] LITHO[c] DEPARTMENT CHEPAUK MADRAS JANUARY 1882.

(Signed) A. T.
Off[g] Consulting Archi

SHEET Nº 20.

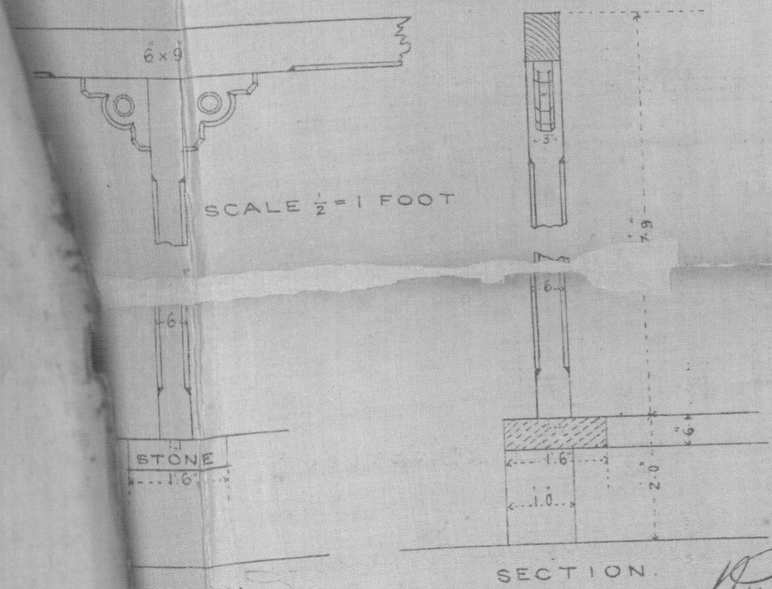


SECTION THRO.C.D

Plinth area = 1780 sq ft.

33'9" x 52'9".

DETAILS FOR VERANDAH POSTS.



ATION.

SECTION.

R H Thompson Lieut Colt R.E.
Ag: Dy: Chief Engineer P.W.D.

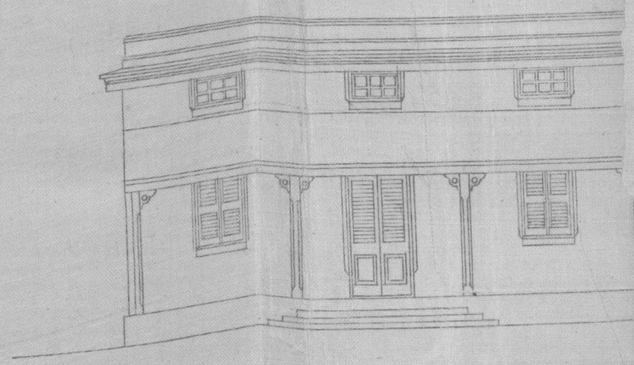
A. T. Fraser Major R.E.
Archited to Govt 16th Sept 1881.

SHEET Nº 19

STANDARD PLAN OF A REGISTRAR'S OFFICE.

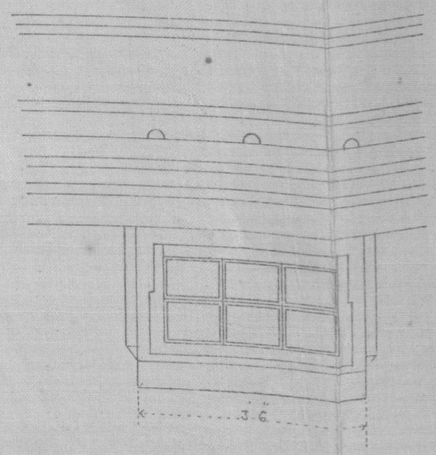
TERRACED BUILDING

G.O. Nº 12[illegible].W. DATED 14TH JANUARY 1882.

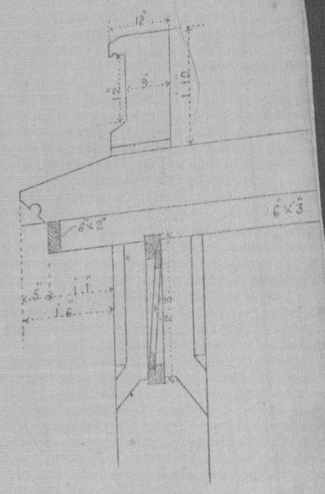


ELEVATION

DETAILS FOR PARAPET

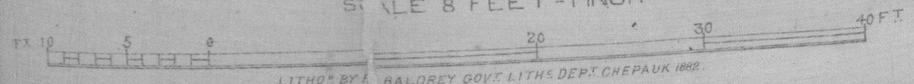


ELEVATION

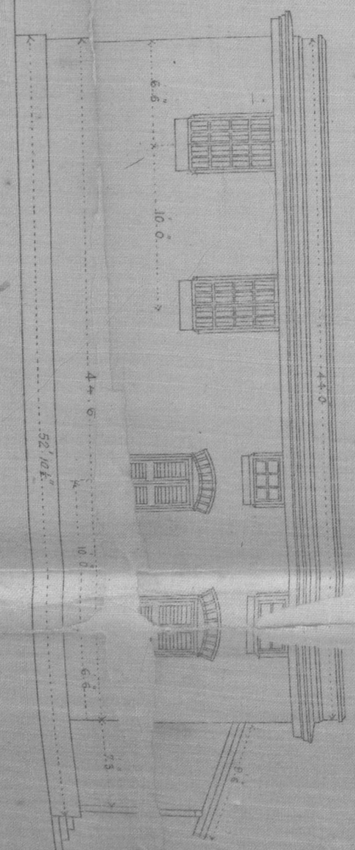


SECTION

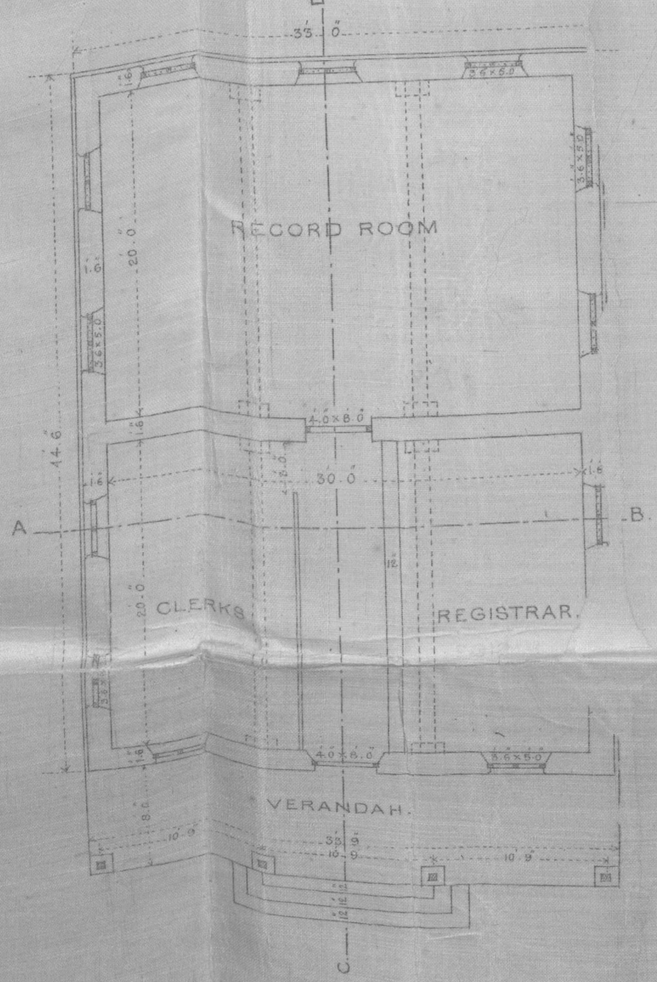
SCALE 8 FEET = 1 INCH

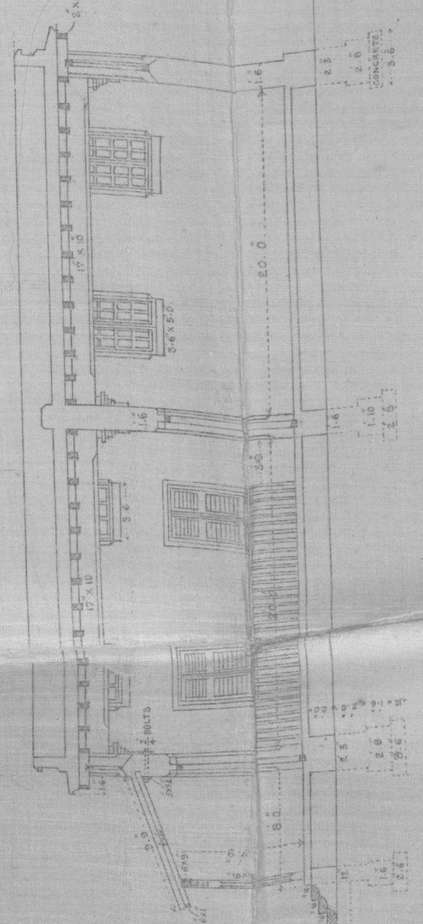


LITHOth BY [illegible] BALDREY GOVt LITHc DEPt CHEPAUK 1882.

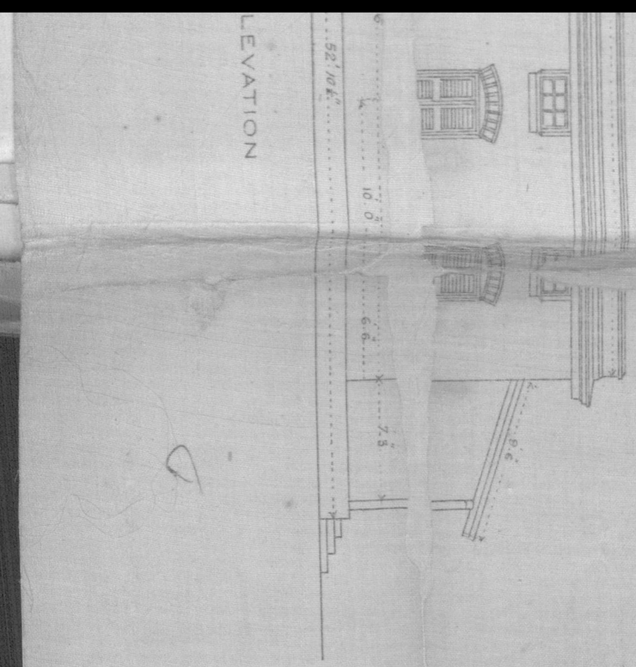


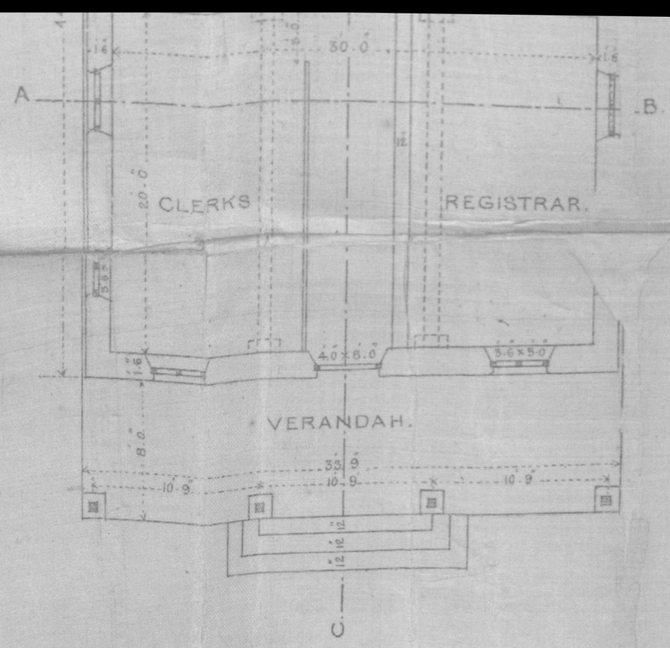
SIDE ELEVATION



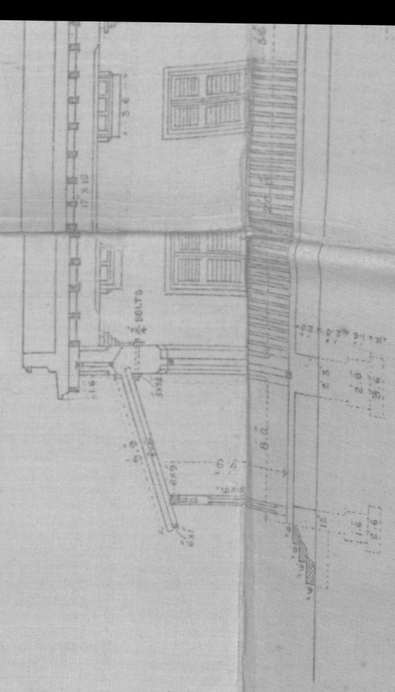


SECTION THRO' C. D.



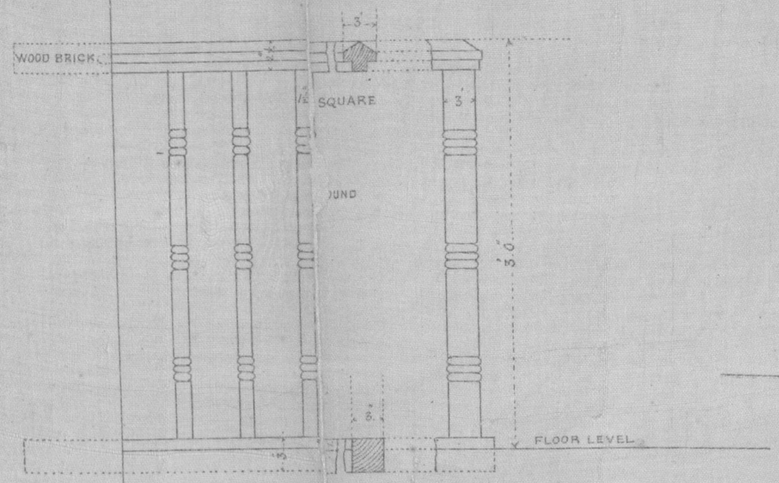


PLAN.

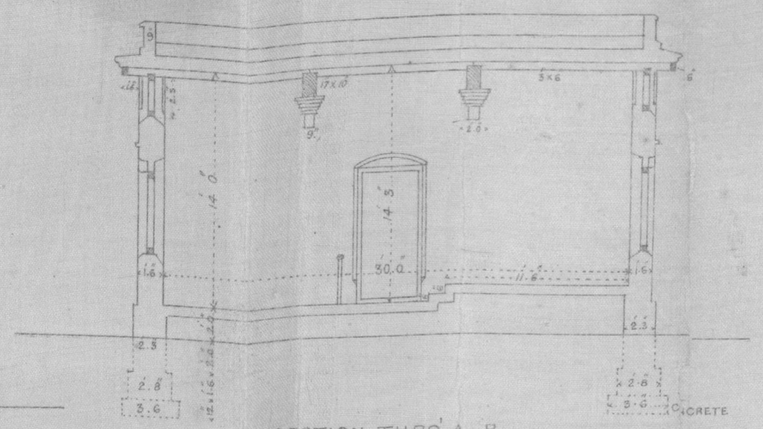


DETAILS FOR VERANDAH

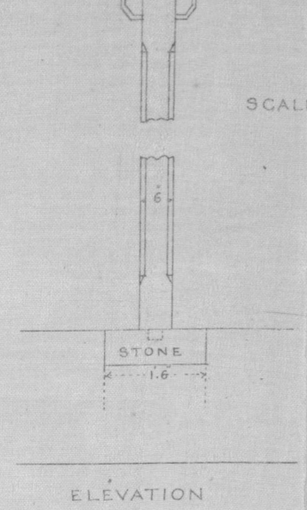
DETAILS FOR RAILING.



SCALE 1 INCH = 1 FOOT.

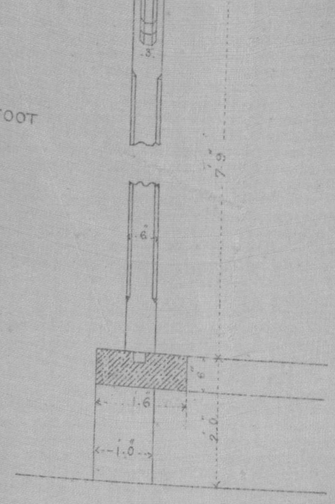


SECTION THRO' A.B.



SCALE 1" = 1 FOOT

ELEVATION



SECTION.

W. Ths. Waldrey
Supt and Manager
Govt Litho. Dept Chepauk
Madras January 1882

(Signed) Geo. Hamnett
Inspr Genl. of Regns

(Signed) A. T. Fraser Major R.E.
Offg Consulting Architect to Govt
16th September 1881.

Ros Thompson Lieut Col R.E.
Actg Dy Chief Engineer P.W.D.

B^o Works.

№ 1201 W

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 14th January 1882

Read the following :—

From the Consg. Architect H.O. № 465-87 16th Sept 81.
Memo. to the Jud. Dept " " 2158 dt 19. Nov 1881.
Pros. of Govt — do " " 2283 dt 4. Nov 1881.
From the Consg. Architect " " 7367 20. Dec 81.

The standard designs for Registrars & Sub-Registrars' offices, which have been approved in the Judicial Department, will be lithographed, and the estimates and specifications printed for circulation and adoption in the Dept.

Cy 11.1.82

To Suptg Engrs
Consg. Architect
Jud^l Departt

Dated 21/1/1882

29/5/03
13-9-05 ✓

22-1-06 ✓
~~8-11-06~~
14-10-10
10-11-11
19-11-12 ✓

Govt. of {1882} Madras.

PUBLIC WORKS.

To

Dated 14-1-82

Issued.

Recd. Engd.

G. O., 14th January 1882, No. 120 W.

201 / 903 - 2-82 ✓

Nos.

Circular Drawings.

Registrars & Sub Registrars

Offices - The Standard

designs for ——— ordered

to be lithographed &

circulated for adoption

— the P W Dept ——

Add to Receipt Regd

Nov 14/1