Archives I –10,006—16-8 77.

(1) Number of pages 52

(2) Date of repair 4/12/86.

(3) Initials of the Referencer lous

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works DEPARTMENT

G.O. No. / B.P. No.	93 W	Press. / Mis.
Dated	14- 1- 1880.	197 .

N. Co

Not to be folded or roughly handled

93/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

14th January 1880, No. 93 W.

Buildings and Roads.
Civil Works.

Read the following papers :—

No. 21. From the Consulting Architect, dated 12th December 1879, No. 558.

No. 21-A. „ Inspector-General of Police, dated 23rd December 1879, No. 5,817.

No. 22. ORDER THEREON, 14th January 1880, No. 93 W.

THE Government approve the standard designs for Police huts submitted by the Consulting Architect, and direct their adoption in supersession of all previous designs for such buildings.

2. The designs will be lithographed and the specification and estimate of quantities printed, and circulated for the information of the Department.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To all Superintending Engineers.
To the Consulting Architect.
„ Judicial Department.

Exd. A. F. Goodall.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1880} Madras.

PUBLIC WORKS.

To

All SUPERINTENDING ENGINEERS,

&c., &c., &c.

Dated January 14th.

Issued

Recd. *Encl.*

G. O., 14th January 1880, No. 93 W.

JANUARY.

Nos. 21-22.

Standard Designs for Police Huts.—Approves the —, and directs their adoption in supersession of all previous designs for such buildings.

93/2

STANDARD DESIGN FOR POLICE HUTS.

Design No. 1.

General Specification of Work to be performed in erecting one pair of Police huts with mud walls and tiled roof.

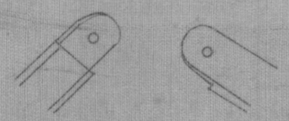
Wall Builder.—Excavate the ground to the depth of 12 inches and well water and ram the bed. Build the mud walls with closely beaten material, tapering from 2′ at the bottom to 1′ 6″ at the top. Insert the verandah posts and window and door frames at the proper heights, and provide well-seasoned lintels of common jungle-wood 1½″ thick.

Mud Plasterer.—Make up the floor and finish off with cow-dung in the usual way.

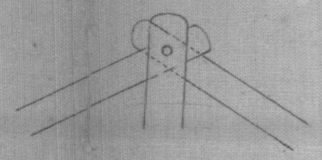
Plaster the walls smooth.

Carpenter.—Provide jungle-wood posts, doors, window frames, and breastsummer.

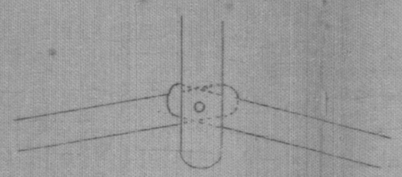
Provide and fix jungle-wood or palm tree couples and rafters.



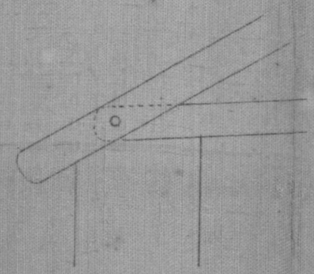
Each rafter will be smoothed by an adze where it joins or crosses another.



The rafters and upper end of king piece will be spiked with a half inch spike; the lower end of the king piece and the tie in two pieces will also be spiked. The



ties will rest on the wall and the rafters project.



Roofer.—Finish the roof with well-burnt pantiles laid on a bamboo frame in the usual manner. Protect the end and over the division wall with chunam bands.

Whitewasher.—Wash the whole of the interior and exterior with a wash composed of 30 white and 1 yellow. Tar all the timber with two coats coal-tar.

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

ESTIMATE for constructing two Police huts with mud walls and tiled roofing according to Standard Design No. 1, dated 9th December 1879.

Detailed Quantities.

Particulars of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Excavation for foundations.						
Longitudinal walls	4	12 0	2 0	1 0	96	
Do.	4	12 0	1 6	1 0	72	
Transverse walls	3	20 0	2 0	1 0	120	
Compound walls	3	15 0	1 6	1 0		
Do.	1	29 6	1 6	1 0	133	
Latrine walls	2	7 0	1 6	1 0		
Cubic feet ...	...	...	...	...	421	
Cubic yards ...	...	...	...	...	...	16
Mud walling.						
Longitudinal walls	4	12 0	1 9	9 0	756	
Do.	4	12 0	1 6	2 0	144	
Do.	2	6 0	1 3	5 0	75	
Transverse walls	3	12 0	1 9	9 0	567	
Do.	6	4 0	1 9	8 0	336	
Gables	3	10 0	1 6	1 6	68	
Fire places	2	2 9	1 0	1 0	6	
Compound walls	3	15 0	1 3	6 0	338	
Do.	1	29 6	1 3	6 0	221	
Latrine walls	2	7 0	1 3	6 0	105	
						2,616
Deductions.						
Doors	4	2 3	1 9	5 9	91	
Do.	2	2 3	1 3	5 0	23	
Windows	2	1 9	1 9	3 9	23	
Cubic feet ...	...	...	...	...	142	
						2,474
Flooring with mud.						
Rooms	2	12 0	8 0	1 0	192	
Verandahs	4	12 0	2 9	1 0	132	
Cubic feet ...	...	...	...	...	324	
Jungle-wood.						
Posts	8	6 6	0 4½	0 4½	7	
Breastsummers	4	16 0	0 4	0 5	9	
Rafters	40	11 9	0 3	0 4	39	
Collar pieces (4 for each room)	8	11 6	0 3	0 3	6	
Uprights (do.)	8	3 6	0 3	0 3	2	
Lintels over doors	4	3 9	1 0	0 1½	2	
Do. windows	2	3 3	1 0	0 1½	1	
Cubic feet	...	...	...	...	66	
Batten doors and windows with fra s.						
Doors	4	2 3	...	5 9	52	
Do.	2	2 3	...	5 0	23	
Windows	2	1 9	...	3 9	13	
Square feet	...	...	...	...	88	

93/3

Detailed Quantities—cont.

Particulars of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Roofing with pantiles over bamboo reepers.	...	1 6	...	24 0	756	
Squares	...	...	...	...	...	7·56
Coping to compound wall with pantiles.	3	5 0	...	...	45	
	1	30 0	...	...	30	
	2	7 0	...	...	14	
Lineal feet ...	...	...	...	...	89	
Whitewashing.						
Rooms	2	0 0	...	7 0	560	
Gables	4	8 0	...	1 6	48	
Verandahs	4	2 0	...	7 0	336	
Do.	8	4 0	...	6 0	192	
Do.	2	5 0	...	5 0	60	
Exterior.						
Basement	4	2 0	...	1 0	48	
Walls	2	2 3	...	6 0	207	
Gables	2	0 0	...	2 6	100	
Walls	2	3	...	6 0	75	
Do.	1	9	...	6 0	11	
Do.	1	0	...	6 0	6	
Compound wall	3	0	...	9 0	405	
Do.	1	7 0	...	9 0	243	
Latrine wall	2	7 0	...	9 0	126	
Door jambs	4	3 9	...	1 9	96	
Do.	2	0 0	...	1 3	25	
Window jambs	2	1 0	...	1 9	39	
						2,637
Deductions.						
Doors ... ... 2 ×	4	2 3	...	5 9	104	
Do. ... ... 2 ×	2	2 3	...	5 0	45	
Windows ... ... 2 ×	2	1 9	...	3 9	26	
						175
Square feet	...	...	...	...	...	2,462
Squares	...	...	...	...	...	24·62
Tarring woodwork.						
Doors and windows	2	8 0	...	...	176	
Posts	8	6 6	...	1 3	65	
Breastsummers	4	6 0	...	1 6	96	
Rafters	40	11 9	...	1 2	548	
Collar pieces	8	1 6	...	1 0	92	
Uprights	8	3 6	...	1 0	28	
Lintels	4	3 9	...	2 3	34	
Do.	2	3 3	...	2 3	15	
Square feet	...	...	...	...	1,054	
Squares	...	...	...	...	...	10·54

ESTIMATE for constructing two Police huts with mud wall and tiled roofing according to Standard Design No. 1, dated 9th December 1879.

Abstract.

Quantity.	Item.	Rate.	Per	Amount.
		RS. A. P.		RS. A. P.
16 C. yds.	Excavation for foundations ...			
2,474 C. feet.	Mud walling			
324 „	Flooring with mud			
66 „	Jungle-wood wrought and set up.			
88 Sq. feet.	Do. batten doors and windows with frames.			
7·56 Squares.	Roofing with pantiles over bamboo reepers.			
89 L. feet.	Coping to compound wall with pantiles in chunam.			
24·62 Squares.	Whitewashing			
10·54 „	Tarring wood-work			
	Contingencies at 5 per cent. ...			
	Cost of two huts ...			
	For one ...			

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

MADRAS,
23rd December 1879.

(Signed) T. K. GUTHRIE, Major,
Ag. Asst. Inspector-General,
for Inspector-General of Police.

93/4

STANDARD DESIGN FOR POLICE HUTS.

DESIGN No. 1.

General Specification of Work to be performed in erecting one pair of Police huts with mud walls and tiled roof.

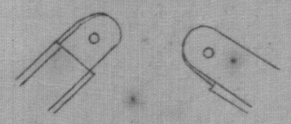
Wall Builder.—Excavate the ground to the depth of 12 inches and well water and ram the bed. Build the mud walls with closely beaten material, tapering from 2′ at the bottom to 1′ 6″ at the top. Insert the verandah posts and window and door frames at the proper heights, and provide well-seasoned lintels of common jungle-wood 1½″ thick.

Mud Plasterer.—Make up the floor and finish off with cow-dung in the usual way.

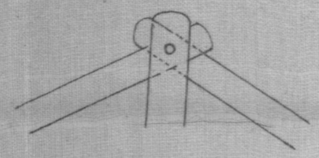
Plaster the walls smooth.

Carpenter.—Provide jungle-wood posts, doors, window frames, and breastsummer.

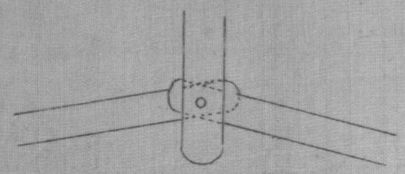
Provide and fix jungle-wood or palm tree couples and rafters.



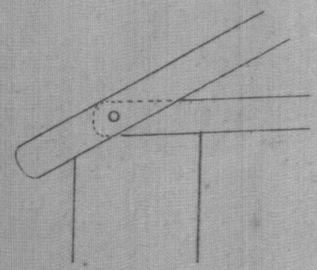
Each rafter will be smoothed by an adze where it joins or crosses another.



The rafters and upper end of king piece will be spiked with a half inch spike; the lower end of the king piece and the tie in two pieces will also be spiked. The



ties will rest on the wall and the rafters project.



Roofer.—Finish the roof with well-burnt pantiles laid on a bamboo frame in the usual manner. Protect the end and over the division wall with chunam bands.

Whitewasher.—Wash the whole of the interior and exterior with a wash composed of 30 white and 1 yellow. Tar all the timber with two coats coal-tar.

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

ESTIMATE for constructing two Police huts with mud walls and tiled roofing according to Standard Design No. 1, dated 9th December 1879.

Detailed Quantities.

Particulars of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Excavation for foundations.						
Longitudinal walls	4	12 0	2 0	1 0	96	
Do.	4	12 0	1 6	1 0	72	
Transverse walls	3	20 0	2 0	1 0	120	
Compound walls	3	15 0	1 6	1 0		
Do.	1	29 6	1 6	1 0	133	
Latrine walls	2	7 0	1 6	1 0		
Cubic feet					421	
Cubic yards						16
Mud walling.						
Longitudinal walls	4	12 0	1 9	9 0	756	
Do.	4	12 0	1 6	2 0	144	
Transverse walls	2	6 0	1 3	5 0	75	
Do.	3	12 0	1 9	9 0	567	
Gables	6	4 0	1 9	8 0	336	
Fire places	3	10 0	1 6	1 6	68	
Compound walls	2	2 9	1 0	1 0	6	
Do.	3	15 0	1 3	6 0	338	
Latrine walls	1	29 6	1 3	6 0	221	
	2	7 0	1 3	6 0	105	
						2,616
Deductions.						
Doors	4	2 3	1 9	5 9	91	
Do.	2	2 3	1 3	5 0	28	
Windows	2	1 9	1 9	3 9	23	
						142
Cubic feet						2,474
Flooring with mud.						
Rooms	2	12 0	8 0	1 0	192	
Verandahs	4	12 0	2 9	1 0	132	
Cubic feet					324	
Jungle-wood.						
Posts	8	6 6	0 4½	0 4½	7	
Breastsummers	4	16 0	0 4	0 5	9	
Rafters	40	11 9	0 3	0 4	39	
Collar pieces (4 for each room)	8	11 6	0 3	0 3	6	
Uprights (do.)	8	3 6	0 3	0 3	2	
Lintels over doors	4	3 9	1 0	0 1½	2	
Do. windows	2	3 3	1 0	0 1½	1	
Cubic feet					66	
Batten doors and windows with frames.						
Doors	4	2 3	...	5 9	52	
Do.	2	2 3	...	5 0	23	
Windows	2	1 9	...	3 9	13	
Square feet					88	

93/5

Detailed Quantities—cont.

Particulars of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Roofing with pantiles over bamboo reepers.	...	31 6	...	24 0	756	
Squares	...	...	...	...	...	7·56
Coping to compound wall with pantiles.	3	15 0	...	...	45	
	1	30 0	...	...	30	
	2	7 0	...	...	14	
Lineal feet	...	...	...	...	89	
Whitewashing.						
Rooms	2	40 0	...	7 0	560	
Gables	4	8 0	...	1 6	48	
Verandahs	4	12 0	...	7 0	336	
Do.	8	4 0	...	6 0	192	
Do.	2	6 0	...	5 0	60	
Exterior.						
Basement	4	12 0	...	1 0	48	
Walls	2	22 3	...	6 0	267	
Gables	2	20 0	...	2 6	100	
Walls	2	6 3	...	6 0	75	
Do.	1	1 9	...	6 0	11	
Do.	1	1 0	...	6 0	6	
Compound wall	3	15 0	...	9 0	405	
Do.	1	27 0	...	9 0	243	
Latrine wall	2	7 0	...	9 0	126	
Door jambs	4	13 9	...	1 9	96	
Do.	2	10 0	...	1 3	25	
Window jambs	2	11 0	...	1 9	39	
						2,637
Deductions.						
Doors	2 × 4	2 3	...	5 9	104	
Do.	2 × 2	2 3	...	5 0	45	
Windows	2 × 2	1 9	...	3 9	26	
						175
Square feet	...	...	...	...	...	2,462
Squares	...	...	...	...	...	24·62
Tarring woodwork.						
Doors and windows	2	88 0	...	...	176	
Posts	8	6 6	...	1 3	65	
Breastsummers	4	16 0	...	1 6	96	
Rafters	40	11 9	...	1 2	548	
Collar pieces	8	11 6	...	1 0	92	
Uprights	8	3 6	...	1 0	28	
Lintels	4	3 9	...	2 3	34	
Do.	2	3 3	...	2 3	15	
Square feet	...	...	...	...	1,054	
Squares	...	...	...	...	...	10·54

ESTIMATE for constructing two Police huts with mud wall and tiled roofing according to Standard Design No. 1, dated 9th December 1879.

Abstract.

Quantity.	Item.	Rate.	Per	Amount.
		RS. A. P.		RS. A., P.
16 C. yds.	Excavation for foundations ...			
2,474 C. feet.	Mud walling			
324 „	Flooring with mud			
66 „	Jungle-wood wrought and put up.			
88 Sq. feet.	Do. batten doors and windows with frames.			
7·56 Squares.	Roofing with pantiles over bamboo reepers.			
89 L. feet.	Coping to compound walls with pantiles in chunam.			
24·62 Squares.	Whitewashing			
10·54 „	Tarring wood-work			
	Contingencies at 5 per cent. ...			
	Cost of two huts ...			
	For one ...			

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

MADRAS,
23rd December 1879.

(Signed) T. K. GUTHRIE, Major,
Ag. Asst. Inspector-General,
for Inspector-General of Police.

93/6

STANDARD DESIGN FOR POLICE HUTS.

DESIGN No. 2.

General Specification of Works to be performed in erecting one pair of Police huts with walls of burnt brick laid in mud and tiled roofing.

Excavation.—Excavate the trenches to the various depths shown on the drawing and well ram and pun the beds.

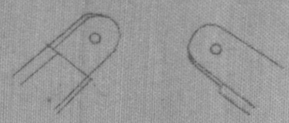
Bricklayer.—Ram in 6 inches of concrete and bring to a sound, well consolidated state and an even upper surface.

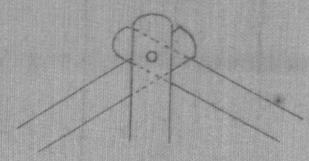
Build the walls in bricks cast from a mould 10″ × 5″ × 3″ well burnt and laid in fine worked slip. Fix all wood-work during the execution of the masonry. Build in English bond. After the roof is on rake out all the joints to the extent of ¾ of an inch from the face and point in good mortar composed of one part fresh slacked lime, two parts pounded brick.

Wash the interior and exterior with a wash composed of 30 lime, 1 yellow ochre.

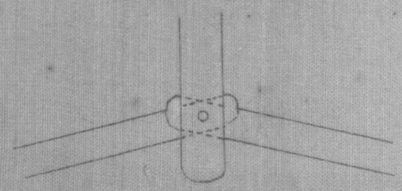
Carpenter.—Provide jungle-wood posts, doors, window frames, and breastsummers.

Provide and fix jungle-wood or palm tree couples and rafters. Each rafter will be smoothed by an adze where it joins or crosses another.

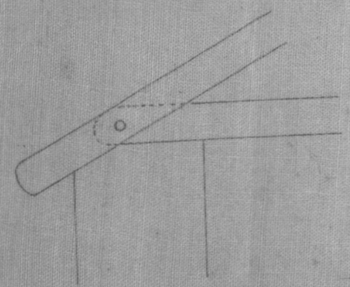




The rafters and upper end of king piece will be spiked with a half inch spike; the lower end of the king piece and the tie in two pieces will also



be spiked. The ties will rest on the wall and the rafters project.



Roofer.—Finish the roof with well-burnt pantiles laid on a bamboo frame in the usual manner. Protect the end and over the division wall with chunam bands.

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

ESTIMATE for constructing two Police huts with walls of burnt brick in mud and tiled roofing according to Standard Design No. 2, dated 9th December 1879.

Detailed Quantities.

Particulars of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Excavation for foundations.						
Longitudinal walls	8	11 4	1 6	1 6	204	
Transverse walls	3	18 4	1 6	1 6	124	
Compound walls	3	14 4	1 6	1 6	97	
Do.	1	27 2	1 6	1 6	61	
Latrine walls	2	6 7	1 6	1 6	30	
Cubic feet ...	...	...	...	...	516	
Cubic yards ...	...	...	...	...	...	19
Concrete 6" thick.						
One-third of excavation ... C. feet...	...	...	...	...	172	
Burnt brick in mud.						
Longitudinal walls	4	12 0	0 10	9 0	360	
Do.	4	12 0	0 10	2 0	80	
Do. in side of cook-room ...	2	6 0	0 10	5 0	50	
Transverse walls	3	9 8	0 10	9 0	218	
Do.	6	4 0	0 10	8 0	160	
Gables	3	8 10	0 10	1 6	33	
Fire places	2	3 2	1 0	1 0	6	
Compound wall	3	15 0	0 10	6 0	225	
Do.	1	26 6	0 10	6 0	133	
Latrine wall	2	6 7	0 10	6 0	66	
						1,331
Deductions.						
Doorways	4	2 3	0 10	5 9	43	
Do.	2	2 3	0 10	5 0	19	
Windows	2	1 9	0 10	3 9	11	
						73
Cubic feet ...	...	...	...	...	...	1,258
Flooring with mud.						
Rooms	2	12 0	8 0	1 0	192	
Verandahs	4	12 0	3 2	1 0	152	
Cubic feet ...	...	...	...	...	344	
Jungle-wood wrought and put up.						
Posts	6	0 4½	0 4½	7 0	6	
Breastsummers	4	14 0	0 4	0 5	8	
Rafters	36	10 9	0 3	0 4	32	
Collar pieces (4 for each room) ...	8	10 6	0 3	0 3	5	
Uprights	8	3 0	0 3	0 3	2	
Lintels over doors	4	3 9	0 9	0 1½	2	
Do. windows	2	3 3	0 9	0 1½	1	
Cubic feet ...	...	...	...	...	56	

Detailed Quantities—cont.

Particulars of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
		FT. IN.	FT. IN.	FT. IN.		
Batten doors and windows with frames.						
Doors	4	2 3	...	5 9	52	
Do.	2	2 3	...	5 0	23	
Windows	2	1 9	...	3 9	13	
Square feet ...	...	...	...	...	88	
Pointing with chunam.						
Interior walls	2	40 0	...	7 0	560	
Gables	4	8 0	...	1 4½	44	
Verandahs	4	12 0	...	7 0	336	
Do.	8	4 0	...	6 0	192	
Do.	2	6 0	...	5 4	64	
Exterior walls	2	6 0	...	6 0	72	
Do.	3	0 10	...	6 0	15	
Do.	2	17 8	...	8 6	300	
Compound walls	3	15 0	...	10 6	473	
Do.	1	25 3	...	10 6	265	
Latrine walls	2	6 7	...	10 6	138	
Door jambs	4	13 9	...	0 10	46	
Do.	2	10 0	...	0 10	17	
Window jambs	2	11 0	...	0 10	18	
						2,540
Deductions.						
Doors ... ... 2 ×	4	2 3	...	5 9	104	
Do. ... ... 2 ×	2	2 3	...	5 0	45	
Windows ... ... 2 ×	2	1 9	...	3 9	26	
						175
Square feet ...	...	...	...	...	...	2,365
Squares ...	...	...	...	...	...	23·65
Whitewashing.						
Interior and exterior ... Squares ...	...	...	...	...	...	23·65
Tarring wood-work.						
Doors and windows	2	88 0	...	...	176	
Posts	6	7 0	...	1 3	53	
Breastsummers	4	14 0	...	1 6	84	
Rafters	36	10 9	...	1 2	452	
Collar pieces	8	10 6	...	1 0	84	
Uprights	8	3 0	...	1 0	24	
Lintels over doors	4	3 9	...	1 9	26	
Do. windows	2	3 3	...	1 9	11	
Square feet ...	...	...	...	...	910	
Squares ...	...	...	...	...	...	9·10
Roofing with pantiles over bamboo reepers.	..	28 0	...	22 0	616	Sq. ft.
Squares ...	...	...	...	...	...	6·16

ESTIMATE for constructing two Police huts with walls of burnt brick in mud and tiled roofing according to Standard Design No. 2, dated 9th December 1879.

Abstract.

Quantity.	Item.	Rate.	Per	Amount.
		RS. A. P.		RS. A. P.
19 C. yds.	Excavation for foundations ...			
172 C. feet.	Concrete			
1,258 „	Burnt brick in mud			
344 „	Flooring with mud			
56 „	Jungle-wood wrought and put up.			
88 Sq. feet.	Batten doors and windows with frames.			
23·65 Squares.	Pointing with chunam			
23·65 „	Whitewashing			
9·10 „	Tarring wood-work			
6·16 „	Roofing with pantiles over bamboo reepers.			
	Contingencies at 5 per cent. ...			
	Cost of two huts ...			
	For one ...			

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

MADRAS,
23rd December 1879.

(Signed) T. K. GUTHRIE, Major,
Ag. Asst. Inspector-General,
for Inspector-General of Police.

1

93/8

Estimate for Police huts

Built of mud and Tiled

Design No. 1. Rupees 193 -

R. F. Chisholm. 9/12/79

N

Standard design for Police huts

Design No 1 27/9

General Specification of work to be performed in erecting one pair of Police huts with mud walls & tiled roof

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Wall builder — Excavate the ground to the depth of 12 inches and well water and ram the bed. Build the mud walls with closely beaten material tapering from 2 ft. at the bottom to 1'. 6" at the top. Insert the verandah posts and window and door frames at the proper heights and provide well seasoned lintels of common jungle wood 1½" thick

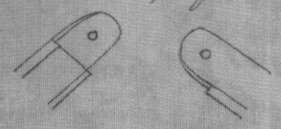
Mud plasterer — Make up the floor and finish off with cowdung in the usual way.

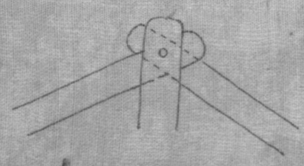
Plaster the walls smooth.

Carpenter — Provide jungle wood posts doors window frames and breastsummers.

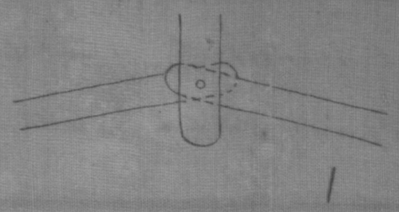
Provide and fix jungle wood or palmtree couples and rafters.

Each rafter will be smoothed by an adze where it joins or crosses another.



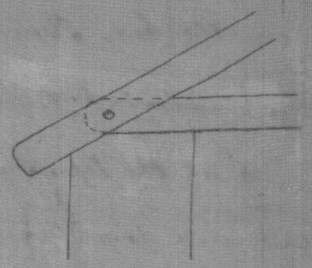


The rafters and upper end of King piece will be spiked with a half inch spike the lower end of the King piece and the tie in two pieces will also be spiked. The



1

ties will rest on the wall and the rafters project



Finish the roof with well burnt pantiles laid on a bamboo frame in the usual manner. Protect the end and over the division wall with chunam bands. — Roofer

Wash the whole of the interior and exterior with a wash composed of 30 white and 1 yellow. Tar all the timber with two coats coal tar. — Whitewasher

W. Chisholm.

Consg Archt to Governmt

Estimate for constructing two Police Huts with walls of burnt brick in mud and tiled roofing according to standard Design № 2 dated 9th December 1879.

Abstract

Priced by Colonel Cotton but not the pencil figures.

Quantity		Item	Rate	Per	Amount
19	Cyds	Excavation for foundations			
172	Cft	Concrete			
1268 / 1202	"	Burnt brick in mud			
344	"	Flooring with mud			
56	"	Jungle wood wrought and put up			
88	Sft	Batten doors and windows with frames			
23·65	Sqs	Pointing with chunam			
23·65	"	Whitewashing			
9·10	"	Tarring woodwork			
6·16	"	Roofing with pantiles over bamboo peepers			
		Contingencies at 5 percent			
		Cost of two Huts Rupees			
		for One Rupees			

W. Chisholm.

Consg Archt to Governmt

W. Cotton

Estimate for constructing 2 Police Huts with mud walls and tiled roofing according to Standard Design No 1 dated 9 December 1879.

93/11

Detailed quantities

Particulars of work	No	L	B	D	Contents	Total.
Excavation for foundations						
Longitudinal walls	4	12	02	01	96	
do	4	12	01	61	72	
Transverse walls	3	20	02	01	120	
Compound walls	3	15	01	61		
do	1	29	61	61	133	
Latrine do	2	7	01	61		
Cubic feet					421	
Cubic yards						16
Mud walling						
Longitudinal walls	4	12	01	99	756	
do	4	12	01	62	144	
do	2	6	01	35	75	
Transverse walls	3	12	01	99	567	
do	6	4	01	98	336	
Gables	3	10	01	61	68	
fire places	2	2	91	01	6	
Compound walls	3	15	01	36	338	
do	1	29	61	36	221	
Latrine do	2	7	01	36	105	
						2616
Deductions						
Doors	4	2	31	95	91	
do	2	2	31	35	23	
Windows	2	1	91	93	23	
						142
Cubic feet						2474

Flooring with mud

Rooms	2	12	08	01	192
Verandahs	4	12	02	01	132
				Cubic ft.	324

Jungle wood

Posts	8	6	60	4½ 4½	7
Breastsummers	4	16	00	40 5	9
Rafters	40	11	90	30 4	39
Collar pieces (4 for each room)	8	11	60	30 3	6
Uprights (do)	6	3	60	30 3	2
Lintels over doors	4	3	91	00 ½	2
Do windows	2	3	31	00 ½	1
				Cubic feet	66

Batten doors & windows with frames.

Doors	4	2	3	5 9	82
do	2	2	3	5 0	23
Windows	2	1	9	3 9	13
				square feet	88

Roofing with Pan tiles over bamboo peepers

		31 6	24 0	756
			squares	7.56

Coping to Compound wall with pan tiles

	3	15 0		45
	1	30 0		30
	2	7 0		14
			Lineal ft.	89

White washing

Rooms	2	40	0	7 0	560
Gables	4	8	0	1 6	48
Verandahs	4	12	0	7 0	336
do	8	4	0	6 0	192
do	2	6	0	5 0	60
Exterior					
basement	4	12	0	1 0	48
walls	2	22	3	6 0	267
Gables	2	20	0	2 6	100
walls	2	6	3	6 0	75
do	1	1	9	6 0	11
do	1	1	0	6 0	6
Compound wall	3	15	0	9 0	405
do	1	27	0	9 0	243
Latrine do	2	7	0	9 0	126
Door Jambs	4	13	9	1 9	96
Do	2	10	0	1 3	25
Window Jambs	2	11	0	1 9	39
					2637

Deductions

Doors	2×	4	2 3	5 9	104
do	2×	2	2 3	5 0	45
Windows	2×	2	1 9	3 9	26
					175
				square feet	2462
				squares	24.62

Tarring woodwork

Doors and windows	2	88	0		176
Posts	8	6	6	1 3	65
Breastsummers	4	16	0	1 6	96
Rafters	40	11	9	1 2	548
Collar pieces	8	11	6	1 0	92
uprights	8	3	6	1 0	28
Lintels	4	3	4	2 3	34
do	2	3	3	2 3	15
				square feet	1054
				squares	10.54

K Suttuie

5 93/13

Estimate for constructing two Police Huts with mud wall and tiled roofing according to standard Design No. 1 dated 9th December 1879.

Abstract

8

Quantity		Item	Rate	Rs	Amount
16	Cys.	Excavation for foundations			
2,474	Cft.	Mud walling			
324	"	Flooring with mud			
66	"	Jungle wood wrought and put up			
88	Sft.	Do. Batten doors & windows with frames			
7.56	Sqrs.	Roofing with pan tiles over bamboo reepers			
89	Lft.	Coping to compound walls with pan tiles in chunam			
24.62	Sqrs.	Whitewashing			
10.54	"	Tarring woodwork			
		Contingencies at 5 percent			
		Cost of two Huts Rupees			
		Ten one Rupees			

Grant the Plinth ht not to exceed 6 feet

Central Office
Ex. [illegible]
17-12-79

Consulting Archt to Govt

93/14

Estimate for Police huts.

Built of burnt brick in mud & Tiles.

Design No. 2. Rupees. 235.

H. Christmas.

9/12/95

Standard design Police huts

Design No. 2.

93/15

General specification of works to be performed in erecting one pair of Police huts with walls of burnt brick laid in mud and tiled roofing.

Excavation — Excavate the trenches to the various depths shown on the drawing and well ram and prun the beds.

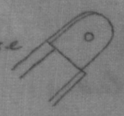
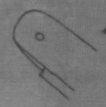
Bricklayer — Ram in six inches of concrete and bring to a sound well consolidated state and an even upper surface.

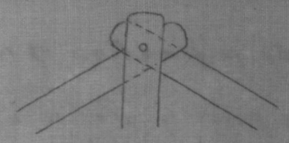
Build the walls in bricks cast from a mould 10" x 5" x 3" well burnt and laid in fine worked slip. Fix all woodwork during the execution of the masonry. Build in English band. After the roof is on rake out all the joints to the extent of ¾ of an inch from the face and point in good mortar composed of 1 part fresh slacked Lime 2 parts pounded brick.

Wash the interior and exterior with a wash composed of 30 lime 1 yellow ochre.

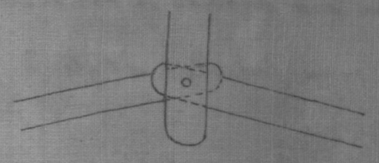
Carpenter — Provide Jungle wood posts Doors window frames and breast summers.

Provide and fix Jungle wood or palm tree couples and rafters. Each rafter will be

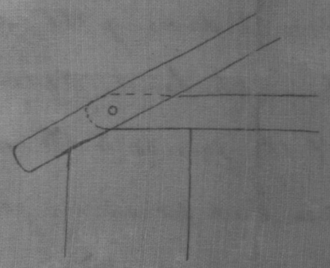
smoothed by an adze   where it joins or crosses another.



The rafters and upper end of king piece will be spiked with a half inch spike the lower end of the king piece and the tie in two pieces will also



be spiked. The ties will rest on the wall and the rafters project.



Finish the roof with well burnt pantiles laid on a bamboo frame in the usual manner Protect the end and over the division wall with chunam bands. Roofer

W Chisholm

Consg. Archte to Govermt.

Estimate for constructing two Police Huts with walls of burnt brick in mud and tiled roofing according to Standard Design No. 2 dated 9th December 1879. 93/16

Detailed quantities

Particulars of work	No.	L	B.	D.	contents	Total
Excavation for foundations						
Longitudinal walls	8	11	4	6	204	
Transverse walls	3	18	4	6	124	
Compound walls	3	14	4	6	97	
do	1	27	2	6	61	
Latrine walls	2	6	7	6	30	
					Cubic feet	516
					Cubic yards	19
Concrete 6" thick						
⅓ of excavation					Cubic feet	172
Burnt brick in mud						
Longitudinal walls	4	12	0	9	360	
do	4	12	0	2	80	
do inside of Cook Room	2	6	0	5	50	
Transverse walls	3	9	8	9	218	
do	6	4	0	8	160	
Gables	3	8	10	1	33	
Fire places	2	3	2	1	6	
Compound wall	3	15	0	6	225	
do	1	26	6	6	133	
Latrine wall	2	6	7	6	66	1331
Deductions						
Doorways	4	2	3	5	43	
				Carried over	43	1331

	Brought forward			43	7225
Doorways	2	2 . 30	10 5 - 0	19	1331
Windows	2	1 - 90	10 3 - 9	11	
				73	
			Cubic feet		12 56 / 7294

Flooring with mud

Rooms	2	12 - 08	01 - 0	192
Verandahs	4	12 - 03	21 - 0	152
			Cubic ft	344

Jungle wood wrought & put up

Posts	6	0 - 4½	0 - 4½ 7 - 0	61
Breastsummers	4	14 - 00	40 - 5	8
Rafters	36	10 - 90	30 - 4	32
Collar pieces (4 for each room)	8	10 - 60	30 - 3	5
uprights	8	3 - 00	30 - 3	2
Lintels over doors	4	3 - 90	90 - 1½	21
Do windows	2	3 - 30	90 - 1½	1
			Cubic feet	56

Batten doors and windows with frames

Doors	4	2 - 3	5 - 9	52
Do	2	2 - 3	5 - 0	23
Windows	2	1 - 9	3 - 9	13
			Square feet	88

Pointing with Chunam

Interior walls	2	40 - 0	7 - 0	560
Gables	4	8 - 0	1 - 4½	44
			Carried over	604

	Brought forward			604	93 / 17
Verandahs	4	12 - 0	7 - 0	336	
do	4	4 - 0	6 - 0	192	
do	2	6 - 0	5 - 4	64	
Exterior walls	2	6 - 0	6 - 0	72	
do	3	0 - 10	6 - 0	15	
do	2	17 - 8	8 - 6	300	
Compound walls	3	15 - 0	10 - 6	473	
do	1	25 - 3	10 - 6	265	
Latrine walls	2	6 - 7	10 - 6	138	
Door Jambs	4	13 - 9	0 - 10	46	
do	2	10 - 0	0 - 10	17	
Window Jambs	2	11 - 0	0 - 10	18	
				2540	

Deductions

Doors	2× 4	2 - 3	5 - 9	104	
do	2× 2	2 - 3	5 - 0	45	
Windows	2× 2	1 - 9	3 - 9	26	
				175	
			square feet	2365	
			squares	23.65	

Whitewashing

interior and exterior — *squares* 23.65

Tarring woodwork

Doors and windows	2	88 - 0		176
Posts	6	7 - 0	1 - 3	53
Breastsummers	4	14 - 0	1 - 6	84
Rafters	36	10 - 9	1 - 2	452
Collar pieces	8	10 - 6	1 - 0	84
uprights	8	3 - 0	1 - 0	24
Lintels over doors	4	3 - 9	1 - 9	26
do windows	2	3 - 3	1 - 9	11
			square feet	910
			squares	9.10

Roofing with pan tiles over
bamboo peepers

25 - 0 22 - 0 616 sq ft

squares 6.16

Chief Office of the
Insp: Genl of Police
Madras

K Luttice

93/18

Chief Office of the
Inspector General of Police

Madras. 11th December 1879

No. 5586.

From

The Inspector General of Police

To

The Consulting Architect
to Government.

Enclosures. 4. Sir

In reply to your letter No 543 dated 9th December I have the honor to state that I approve the designs now submitted.

I have the honor to be
Sir
Your most obedient Servant
Sd/ C. L. Kearn
Inspr. General of Police

(True Copy)

K Luttice.

Consulting Archt. to Govt.

Rec. 27/80

Rs. 2 Two Rs.

Memo:

No 5817

Memo.

The enclosed revised standard designs and Estimates for Police huts are returned Countersigned with reference to Memo No 3936 dated 20th December 1879 from the Chief Engineer P.W.D.

Chief Office of the Insp: Genl of Police Madras 23d Decr. 1879

To The Chief Engineer P.W.D.

H. Cuthbert Major,
Ag. Asst Insp. Genl of Police.

From Sub Lieu.

Rec 12-1-80

Circ. 27/80

93/20

Genl:

Here two sets of Standard Designs for Police Huts, are counter-signed by the S. G. of Police & they have been Sec? in the Tech? Dep?: on the 18.12.29, see as to within, & as these are to be adopted, they Sh? be sent to be lithographed & the litho: Copies will bear the No: Date of the G. O. sanctioning these Designs.

The Specifications Sh? be printed without the Dates.

93 W.S. 7.1.30

ROADS AND BUILDINGS.

93/21

No.

CONSULTING ARCHITECT'S OFFICE,
Chepauk, 12th Decr. 1879.

From

THE CONSULTING ARCHITECT TO GOVERNMENT,

To

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

SIR,

I have the honor to submit two separate plans and estimates amounting to Rs. 193 and 235 respectively for Police huts in accordance with the references noted on the margin.

Enclosures.
2 plans
2 Estimates
1 Copy of letter

G.O. No. 1258 W. dated 29-4-79
G.O. No. 2213 W. dated 27-8-79

2. I have been for some time past in correspondence with the Inspector General of Police on the subject of these huts and the plans which I now enclose have finally been approved of by that Officer.

3. The original standard designs for Police huts cost from Rs 320/- per hut in Tinnevelly, to Rs. 427/- in Kurnool. The Estimates which

= which I now submit are based on Madras rates which are generally higher than those of the Mofussil. The saving has been effected chiefly by a curtailment of accommodation.

4 The more expensive and more permanent form of hut is as an alternative plan, drawn out at the suggestion of the Inspector General. It would be about 20 Per Cent dearer than the mud hut and I think it would be found the most economical form, after a certain lapse of time. Of course this style of hut could only be erected in localities where burnt bricks were procurable.

I have the honor to be

Sir

Your Most Obedient Servant

W. Chisholm.

Consulting Archt. to Govt.

C.W.D.
125079

ROADS AND BUILDINGS.

From

The Consulting Architect
to Government,

To

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

No. 558

Dated 12th December 1879.

Received

No. of Enclosures. 5

Submits designs for Police Huts for Kem

Nos 2213.W. 27.8.79
125.S.W. 29.4.79
40 2844.W. 12.7.79
813.W. 18.2.80

P. W. SECRETARIAT—1879-80.

KEEP-WITH.

9/23

Current No 8854

Letter No. 558

Dated the 12th Dect. 1879

from the Consulting Architect
to Govt:—

Note of remarks.

The two Sets of revised Standard designs for Police Huts, one built of Burnt brick in Mud & Tiles, & one built of mud & Tiles, with Specifications Details & Abstract Quantities, have been approved by the I. G. of Police, but the Plans have not been counter-signed by him.

Both these designs bear the same Dimensions, & the Carving appears to

GENERAL DESIGN FOR POLICE HUTS.

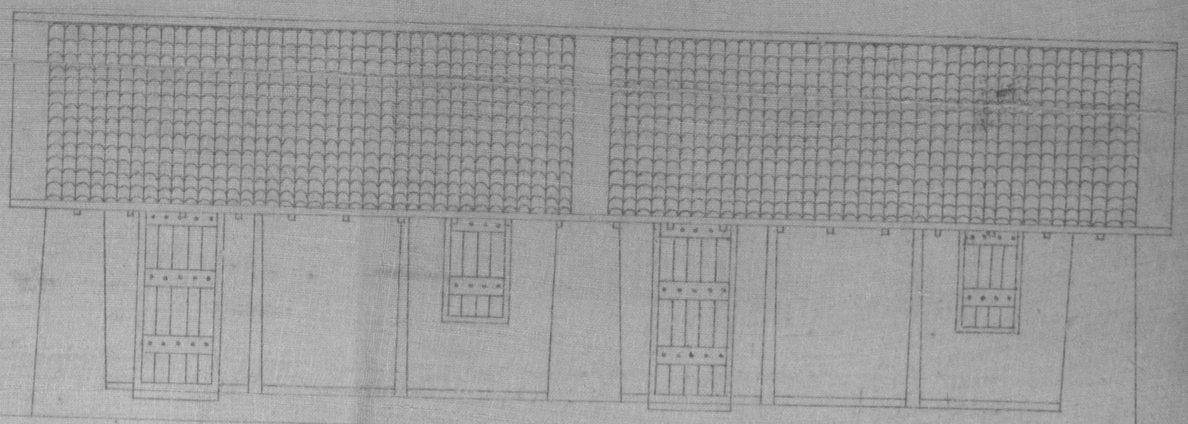
PLAN No. 1.

BUILT OF MUD AND TILED.

G.O. No. 93 W. dated 14th January 1880.

SCALE 4 FEET = 1 INCH.

ELEVATION



Chief Office of the Insp: Genl. of Police
Madras 23d December 1879.

Sup.t and Manager
Govt. Lith.c Dep.t Chepauk Febr.y 1880.

(Signed) T. K. Guthrie Major
Ag.g Asst. Insp: Genl. of Police
for Insp: General of Police

(Signed) R. F. Chisholm
Cons.g Architect to Government

Major R. E.
Dy Chief Engineer D. P. W.

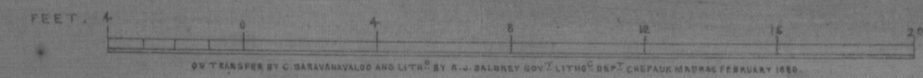
GENERAL DESIGN FOR POLICE HUTS.

PLAN No. 1.

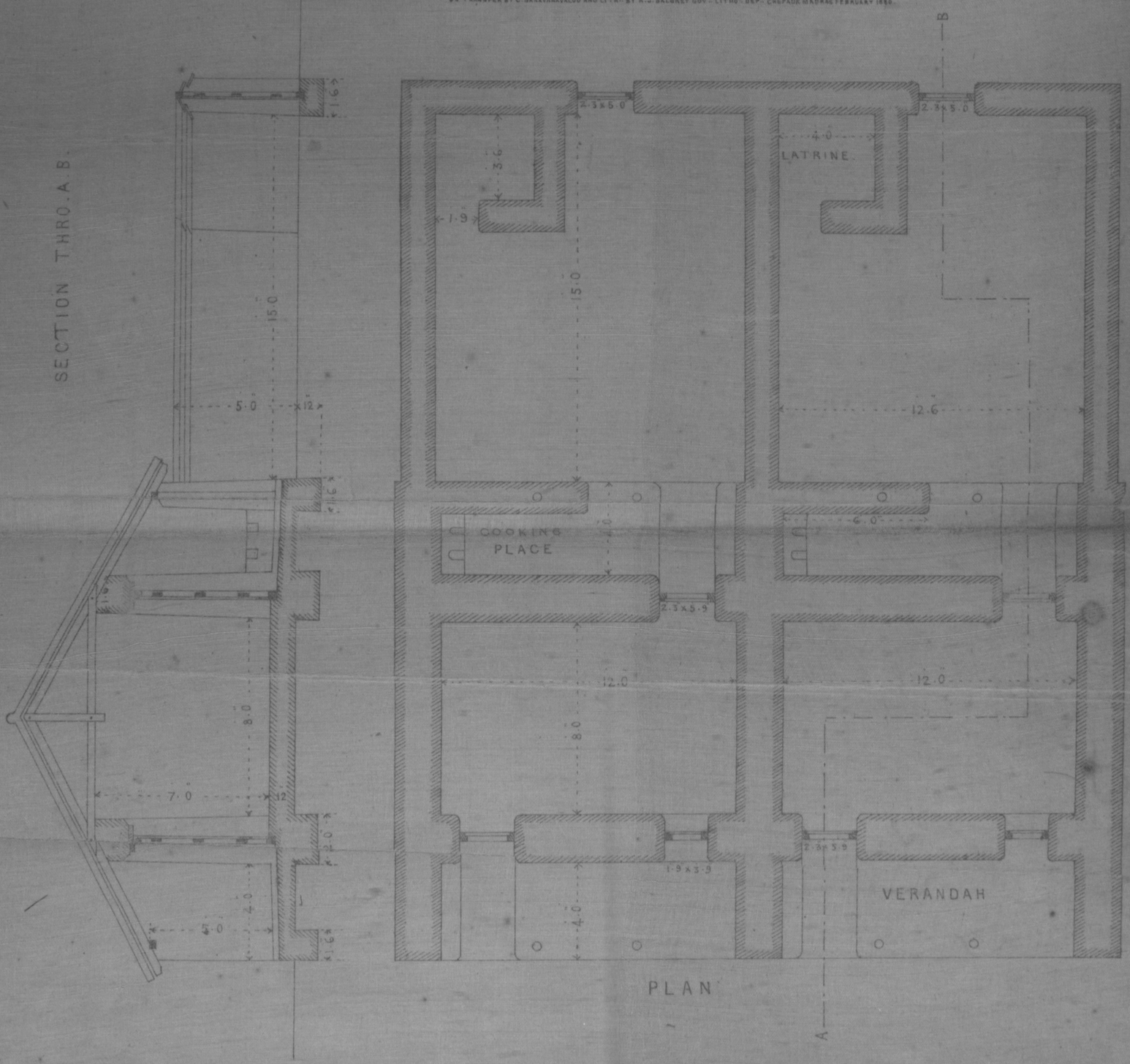
BUILT OF MUD AND TILED.

G.O. No. 93 W. dated 14th January 1880.

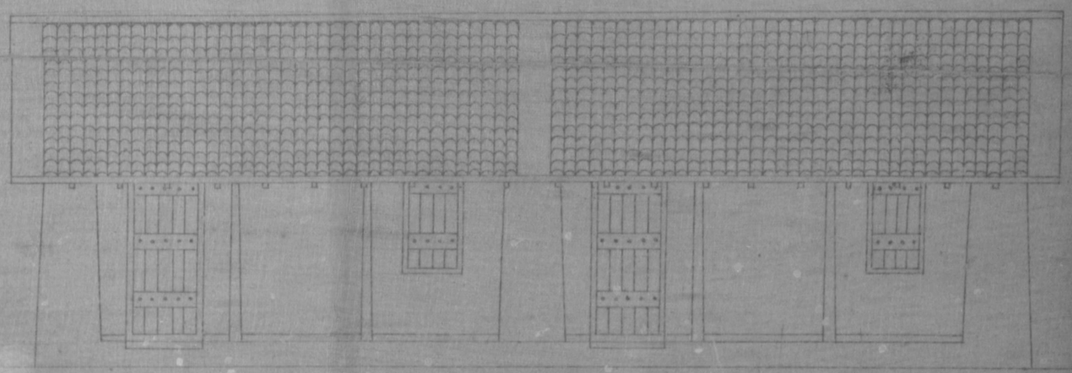
SCALE 4 FEET = 1 INCH.



DV TRANSFER BY C. SARAVANAVELOO AND LITH^D BY R.J. BALDREY GOV^T LITHO^C DEP^T CHEPAUK MADRAS FEBRUARY 1880.



ELEVATION



Chief Office of the Insp: Gen^l of Police
Madras 23^d December 1879.

(Signed) T. K. Guthrie Major
A^g Asst: Insp: Gen^l of Police
for Insp: General of Police

Major R. E.
D^y Chief Eng^r

Sup^t and Manager
Gov^t Lith^c & Dep^t Chepauk Feb^y 1880.

(Signed) R. F. Chisholm
Gov^t Architect to Gov^t

Encl

No 936

Proceedings of the Madras Govt 23/25

Under date the 14th January 1880

Read the following:—

From

The Consulting Architect (No. N. 558 of 12th Decr 1879)

& Inspector General of Police (— 5817 — 23rd — — —)

The Govt approve of the Standard designs for Police huts submitted by the Consulting Architect, and direct their adoption in supersession of all previous designs for such buildings.

2. The designs will be lithographed and the specification and estimate of quantities

printed and
circulated for the information
of the Department.

D
12-1

Plans Dated
4-3-80

To All Supp. Engrs ✓
Engr. Architect ✓
Judicial Dept ✓
Dated
1-7-80

Wm 10.1.79

Cir: 12-1-80

19.6.06 ✓
2/8/13 ✓

P. W. 1627

Govt of 1850 Madras.

PUBLIC WORKS.

To

Dated

Issued

Recd. Encl.

G. O. 14 Jany 1850 No. 93

Nos.

Standard designs for
Police Lints Observance
thereof and direct their
adoption in preference to
all previous designs
for such buildings