Public Works (1897) Department.

G.O., No. 406 W

DATED 10. February 1897.

11/2/97

[Despatch Abstract.]

Quarters for Lightkeepers: Approving the proposals of the Executive Engineer, Lighthouse Division as regards plans and estimates for —.

=

90/4

T.C.
10/2/97.

[P.W. 22. / 1,500—40-11-96.]

Indexed. 11/2

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORK

Recd. } 1897. *Enclosures*
Regd. *Spare copies*

G.O., No. 406 W., 10th February 1897.

FEBRUARY.

Quarters for Light-keepers

Approving the proposals of the Executive Engineer, Light-house division, as regards plans and estimates for —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From Lieutenant-Colonel C. C. RAWSON, R.E., Acting Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 9th October 1896, No. 3543.

With reference G.O., No. 2300 W., dated the 11th August 1896, I have the honour to submit the following plans and estimate for light-keepers' quarters :—

(1) Plan and estimate for quarters with terraced roofing.
(2) Plan and estimate for quarters with tiled roofing.
(3) Plan and estimate of quarters for lower class of keepers.

No. 3839 C.

Referred to the Executive Engineer, Light-house division, for favour of opinion.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

2nd November 1896.

From F. W. ASHPITEL, Esq., A.M.I.C.E., Executive Engineer, Light-house Division, Madras, to the Chief Engineer, Public Works Department, dated 27th January 1897, No. 194.

With reference to your No. 3839 C., dated 2nd November 1896, I have the honour to inform you that, in my opinion, the two plans and estimates for quarters for superior light-keepers are quite unsuitable for the purpose for which they are intended as they do not provide sufficient accommodation. One bed-room and one sitting-room are not sufficient for a respectable family or even for a bachelor who has his sister or other female relation to keep house for him, and the additional expense incurred in providing an extra bed and bath-room is, in my opinion, necessary. The front verandah is also too narrow to serve any useful purpose.

2. I have revised the plan for superior keepers so as to include the extra accommodation and send herewith a print, and would suggest that it is not necessary to issue any standard plan at present as I can easily make all the blue prints I require, and, during construction, some modification may be advisable.

3. As regards the plans and estimates for lower class keepers, I can only say that in some positions where high winds are experienced, the tiled roof will be unsuitable. I shall shortly be preparing plans and estimates for certain small lights at which this description of quarters will be required, and request that action may be deferred until then.

4. The papers forwarded with your number under reference are herewith returned with a blue print showing the modifications suggested by me.

ORDER—No. 406 W., dated 10th February 1897.

The proposals of the Executive Engineer, Light-house division, are approved.

(True Extract.)

Under Secretary to Government.

To the Executive Engineer, Light-house division.
„ Consulting Architect to Government.
„ Marine Department.

Exd. T. K. Narayana Aiyangar.

W: 406W C. No. 1036

Mr. Holpitch's plan seems suitable and may, perhaps, be accepted as may also his suggestion in para 3 of his letter No. 194 dated 27-1-97 be approved.

CHMS
2-2-97

2/2/97

Public Works (1897) Department

Read Cur 9119/96
1036/97 } print

CURRENT No. 1036

Order No. 406 W of 10.2.97

5.2.97

9/2/97

The proposals of the Executive Engineer Lighthouse division are approved.

CHMS
3.2.97.

9/2/97

From The Exe: Engr. Light House Division Madras

No. 194

Dated 27th January 1897
Received 28.1.97
Enclosures 15* (*4 Plans)
Spare copies

SUBJECT.

Furnishing his opinion on the type plans & estimates for Light keepers quarters submitted by the Consulty: Architect to Government.

B Comp

E. E. Lt. H. Dn.
C.A. to Govt.
Marine Depart } 19/2/97

H. E. 4-2-97. R 6/2/97.
Hon 6-2-97. R 9/2/97.

BACK PAPERS.

G.O.	No.	Department.	Date.
G.O.	2300W 3839C	P.W.	13-8-96. ✓ 2. 11-96

FURTHER PAPERS.

G.O.	No.	Department.	Date.

No. 194

Dated 27th January 1897.

Nccw 2

From

F. W. ASHPITEL, Esq., A.M.I.C E.,
Executive Engineer,
Light-house Division,
Madras.

To

The Chief Engineer,
Public Works Department.

Sir,

With reference to your No. 3839C dated 2nd November 1896 I have the honor to inform you that in my opinion the two plans and estimates for quarters for Superior lightkeepers are quite unsuitable for the purpose for which they are intended as they do not provide sufficient accommodation. One bed room and one sitting room are not sufficient for a respectable family or even for a bachelor who has his sister or other female relation to keep house for him and the additional expense incurred in providing an extra bed and bath room is in my opinion necessary. The front verandah

is

is also too narrow to serve any useful purpose.

(2). I have revised the plan for Superior Keepers so as to include the extra accommodation and send herewith a print and would suggest that it is not necessary to issue any standard plan at present as I can easily make all the blue prints I require and, during construction, some modification ~~of design~~ may be advisable.

(3). As regards the plans and estimates for lower class Keepers I can only say that in some positions where high winds are experienced the tiled roof will be unsuitable. I shall shortly be preparing plans and estimates for certain small lights at which this description of quarters will be required and request that action may be deferred until then.

(4) The papers forwarded with your Number under reference are herewith returned with

Prcd 3

with a blue print showing the modifications suggested by me.

I have the honor to be,
Sir,
Your most obed^t. Servant,

Executive Engineer,
Light House Division.

Public Works (1896) Department.

CURRENT No. E.15 ~~9119~~ 1036/97

No. 3839 C of 2nd Novr 1896.

Order

Referred to the Executive Engineer Light-house division, for favour of opinion.

J.M. Campbell Colonel R.E. Chief Engineer.

Cn

Cont 30.10.96

T/B

To the Executive Engineer Lt. H. Dn with orig. papers. & copies of G.O. No 494 Marine of 10.7-96 & 2300 W of 11-8-96.

From The Consulting Architect to G

No. 3543

Dated 9 } October 1896

Received 12th } October 1896

Enclosures 12 (3 plans)

Spare copies

SUBJECT.

Light-Keeper's Quarters — Submitting type plans and estimates for ——

J

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

I- 500-20-3-96.

Office of the Consulting Architect to Govt.,
Chepauk, Madras,
9 October 189

No. 3543

From

Lt Col C. C. Rawson RE
Ag. Consulting Architect
to the Government of Madra

To

The Chief Engineer
Public Works Department

Sir,

Enclosures. 12

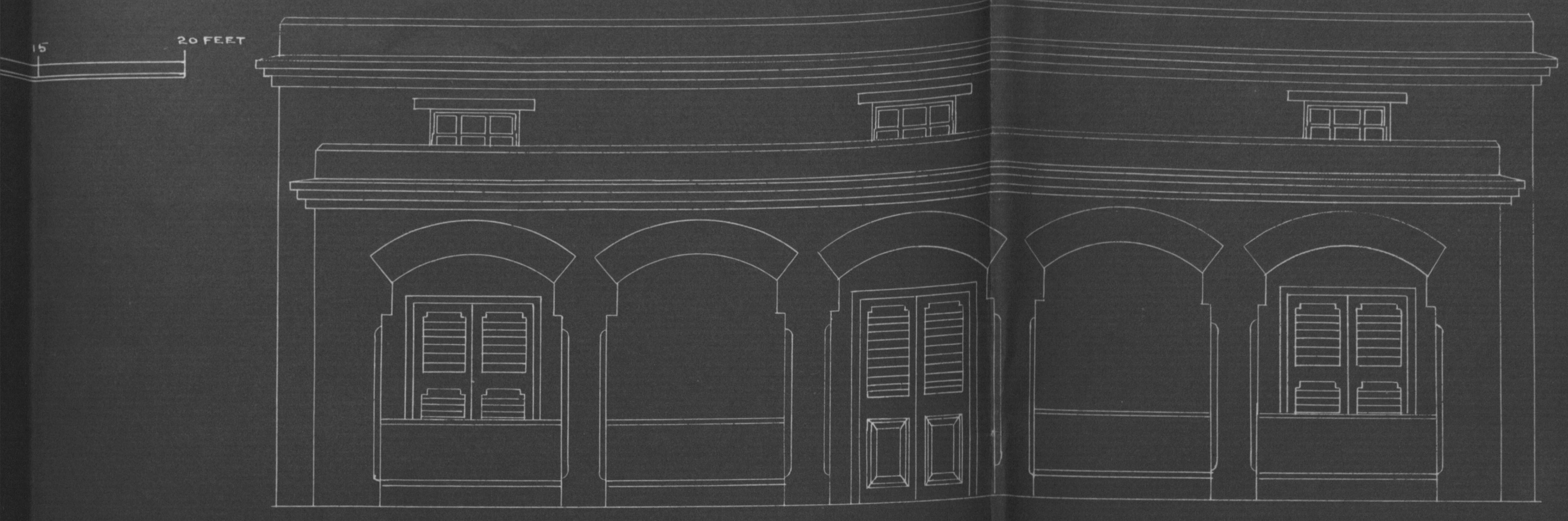
With reference G. O. No. 2300 W da the 11th August 1896 I have the honour to submit the following plans and Estima for Light keepers quarters.

1 Plan & Estimate for quarters with terraced roofing.
2 Plan and Estimate do do with tiled roofing.
3 Plan and Estimate of quarters fo lower class of Keepers.

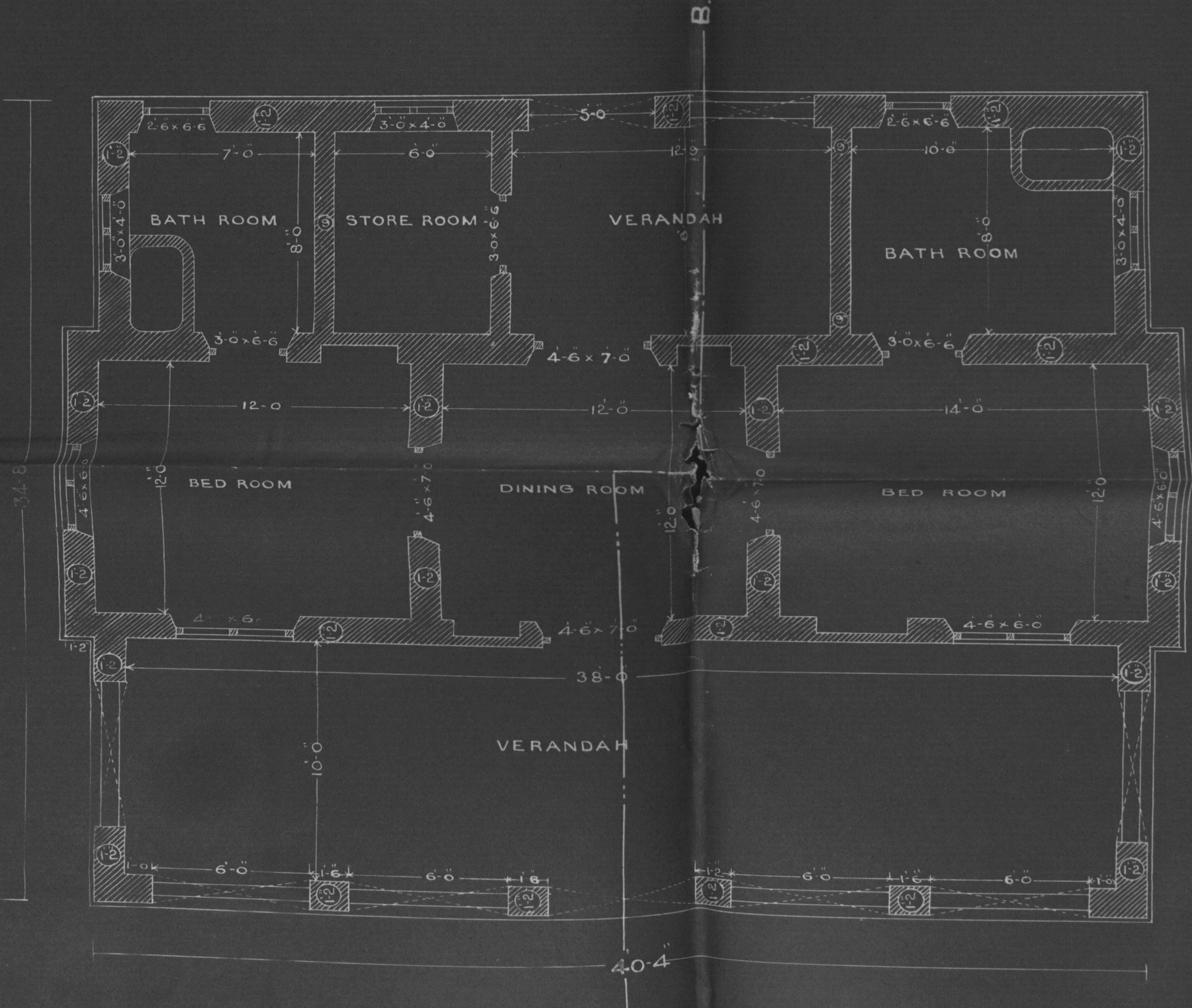
I have the honour to be
Sir
Your most Obedt Serv

C. C. Rawson
8/10/96
Lt Co
Ag Consulting architect to

TERS AND KITCHEN



FRONT ELEVATION

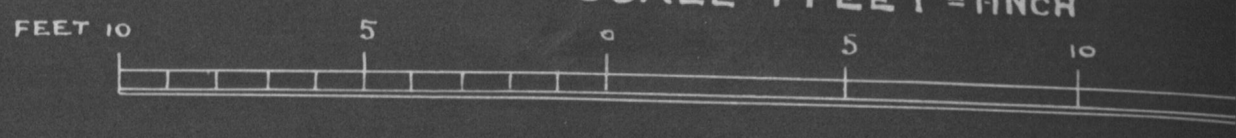


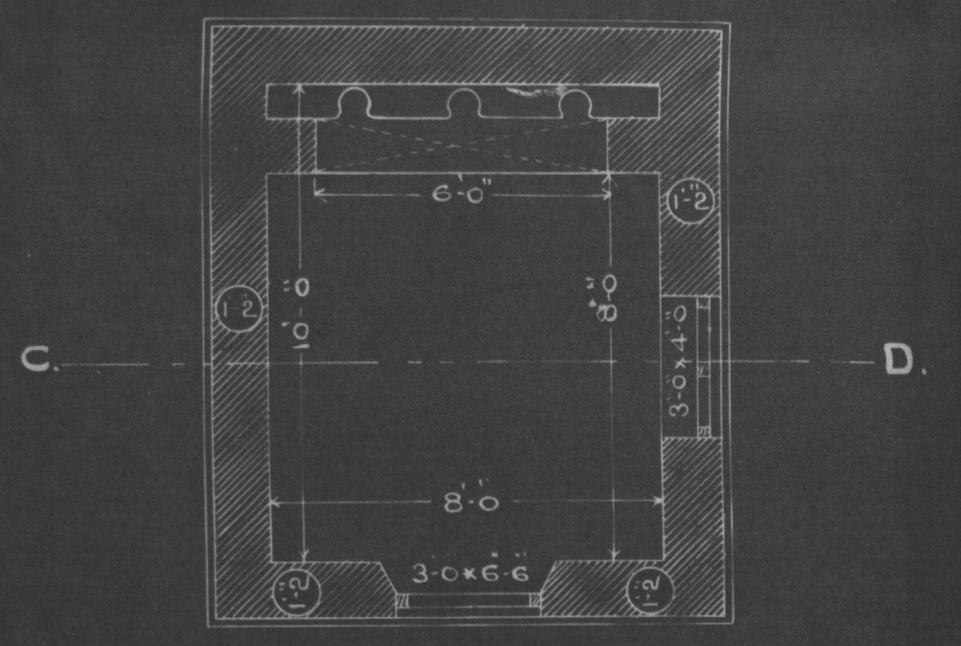
PLAN

F. W. Ashpitel
EXECUTIVE ENGINEER
LIGHTHOUSE DIVISION

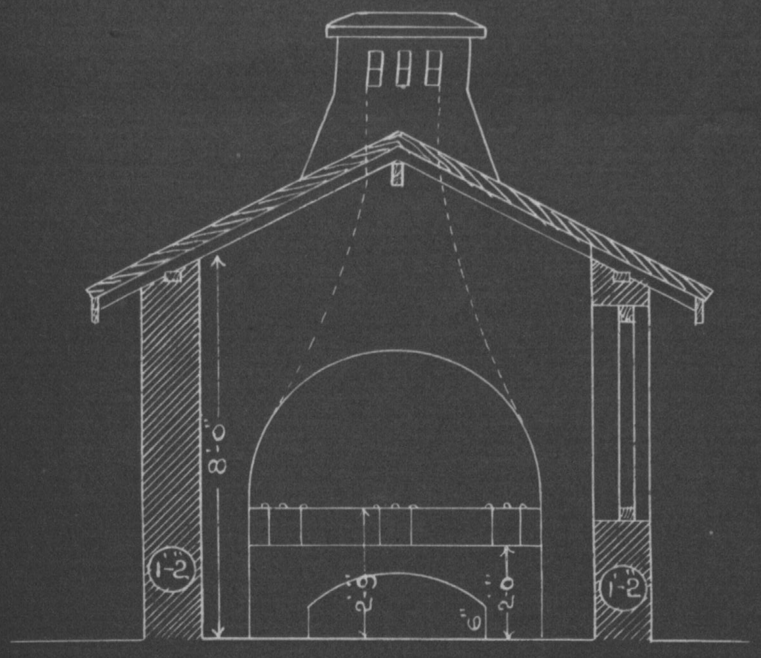
PLAN
OF
PROPOSED LIGHT KEEPER'S QUAR
AT

SCALE 4 FEET = 1 INCH

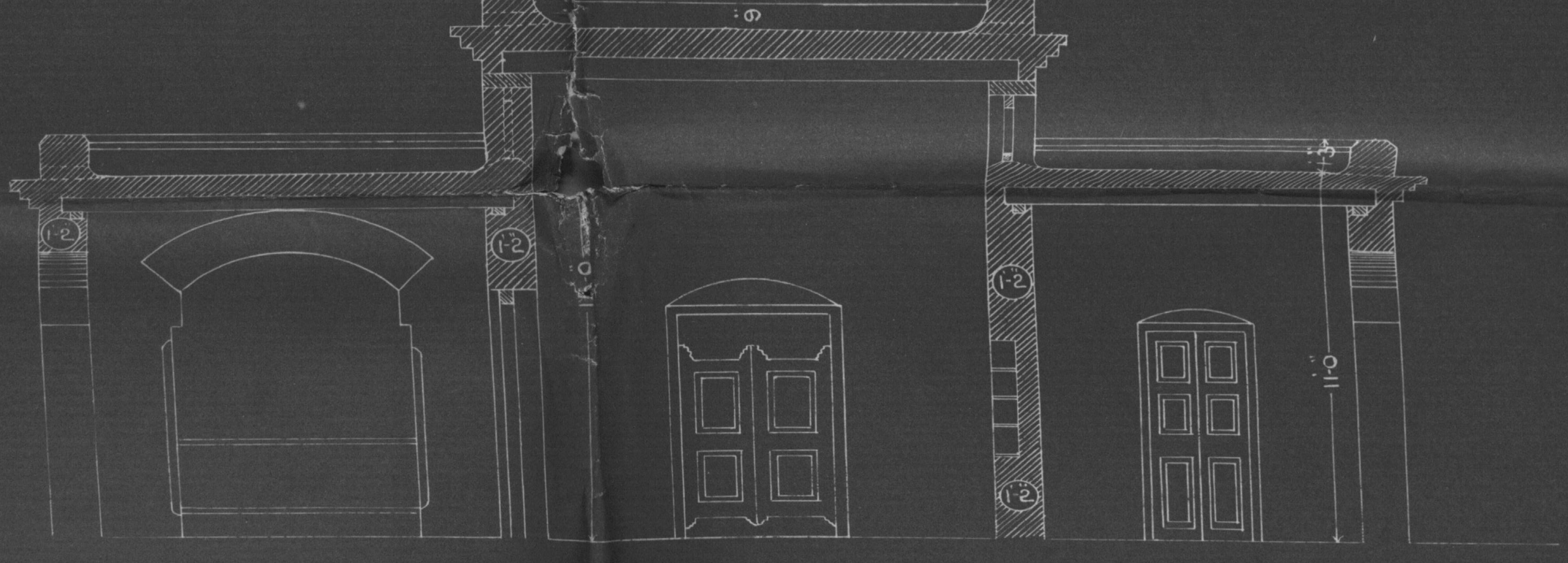




PLAN



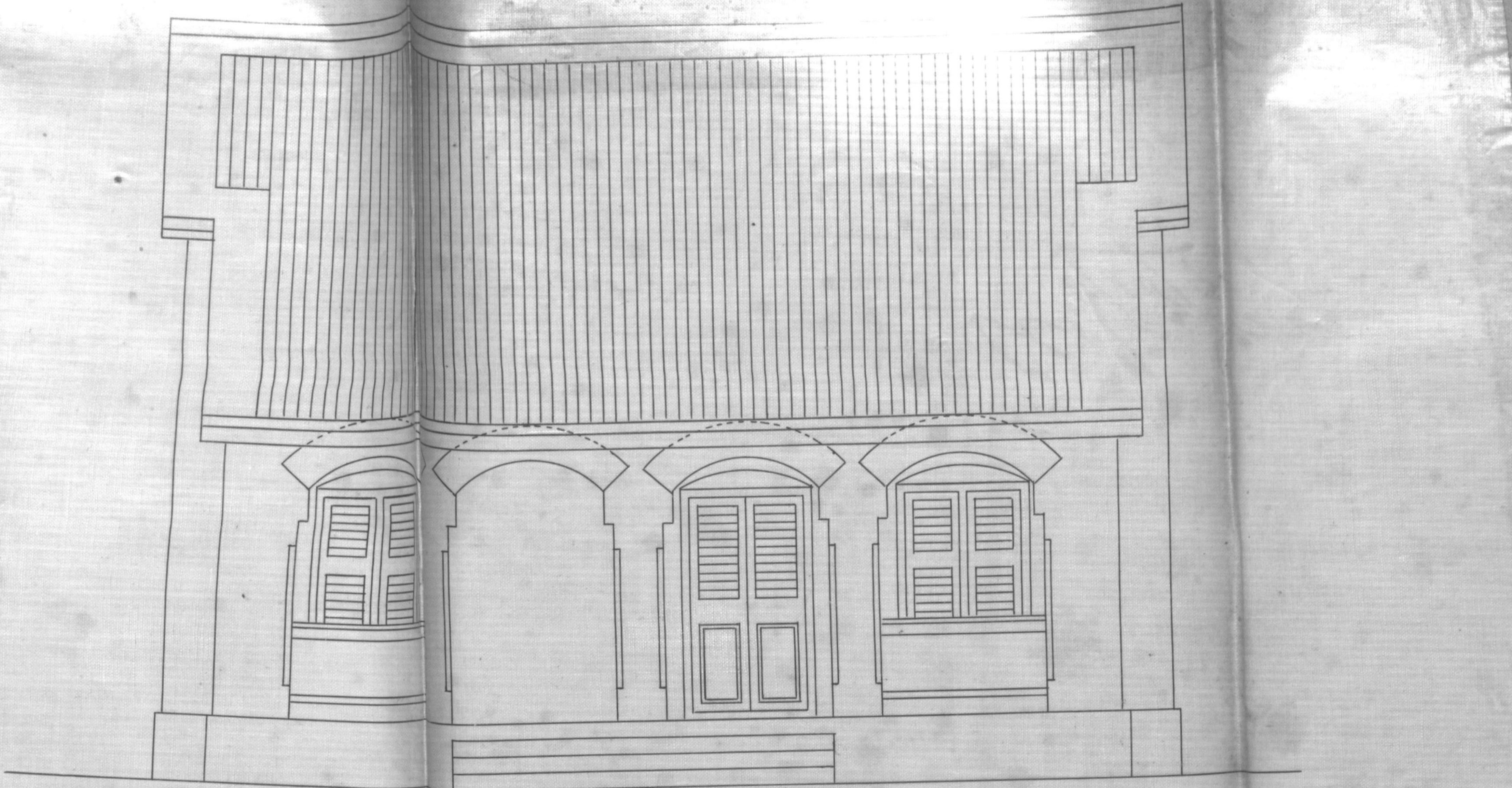
SECTION ON C.D.



SECTION ON A.B.

MADRAS
JANUARY 1897

ARTERS.



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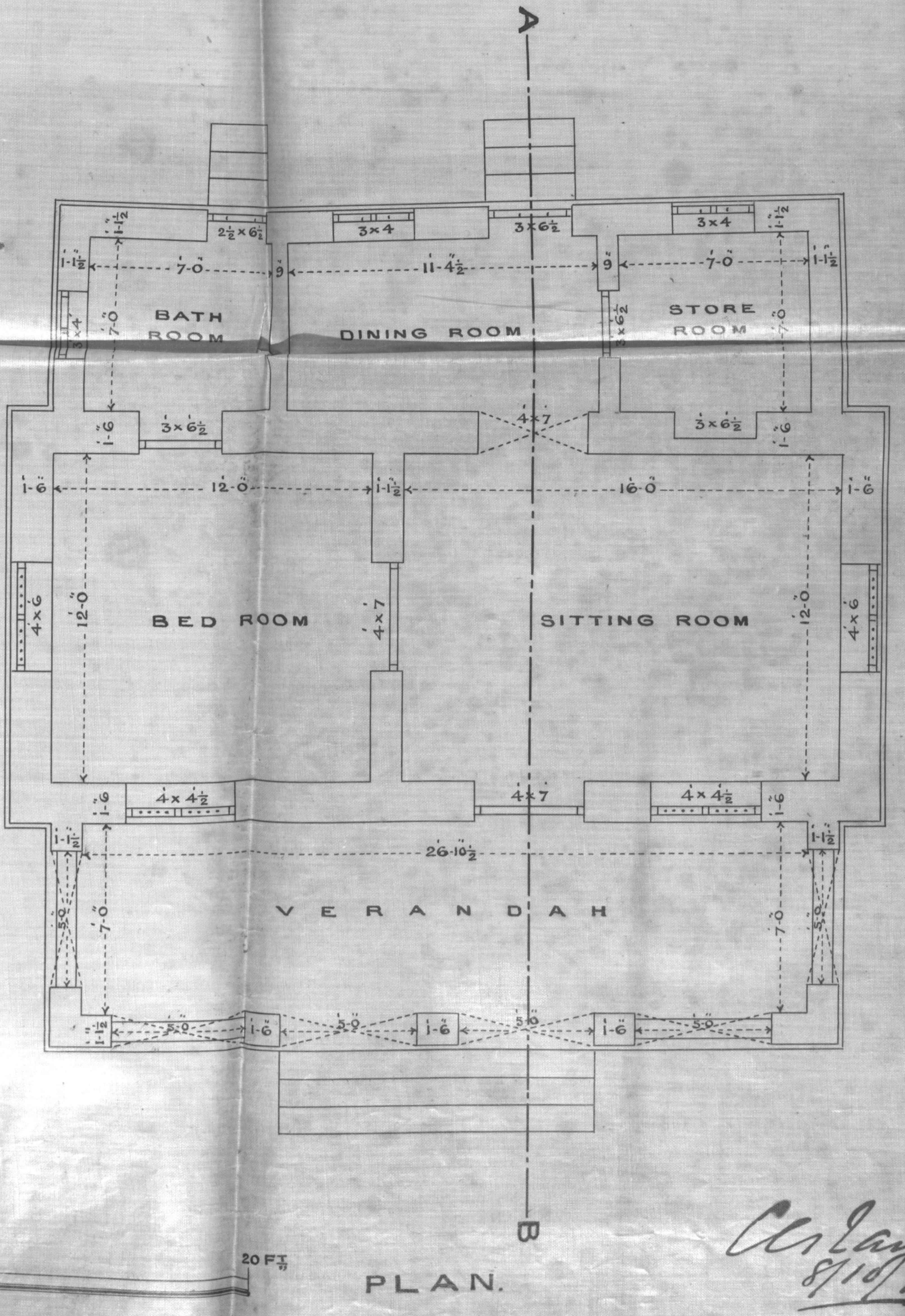


SCALE 4'=1"

10 20 FT

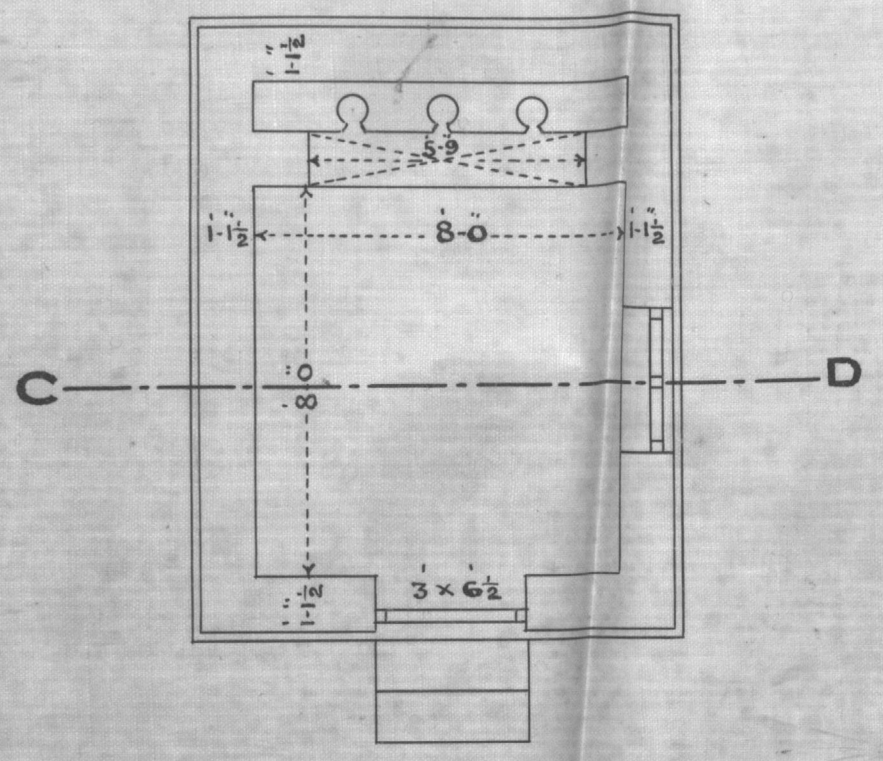
PLAN.

8/10/96

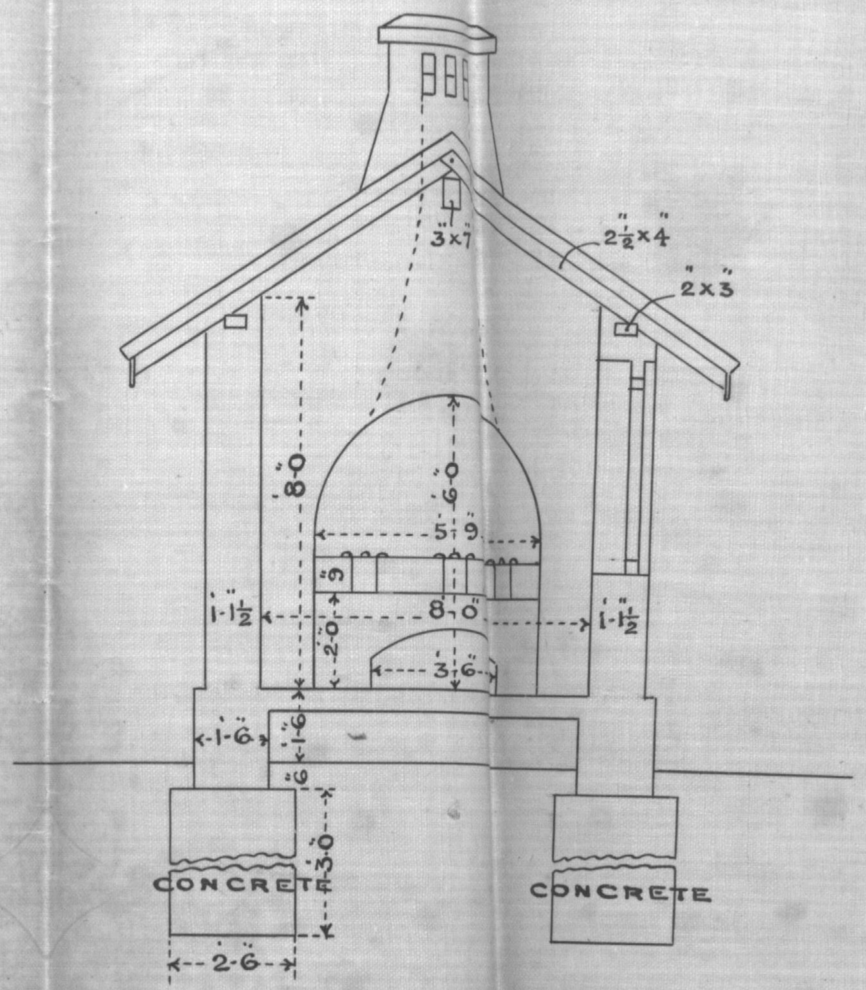
Lt. COL. R.E.
AG CONSULTING ARCHITECT TO GOVt
OCTOBER 1896.

TYPE DESIGN FOR LIGHT KEEPERS QUARTER

WITH TILED ROOFING.



COOK HOUSE



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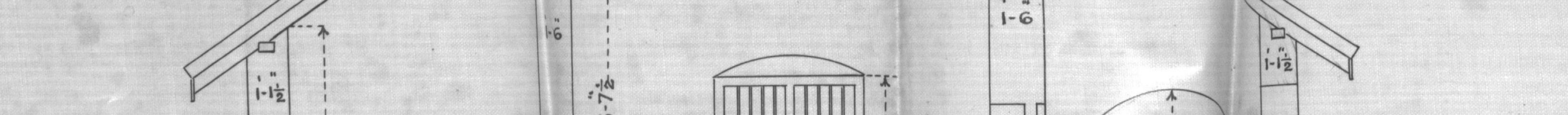
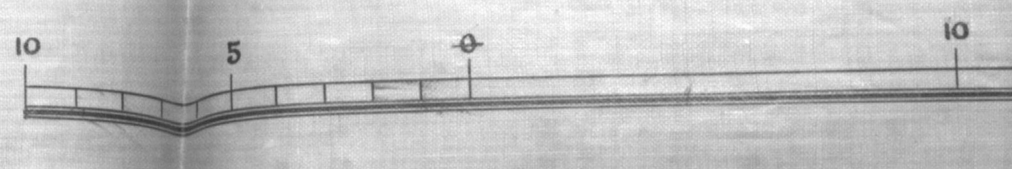
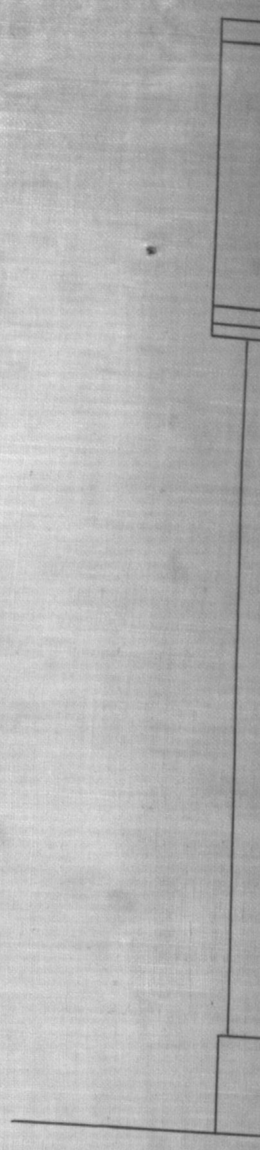
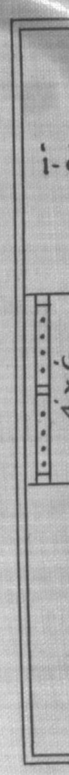


SECTION ON A.B.

SCALE 4'=1"

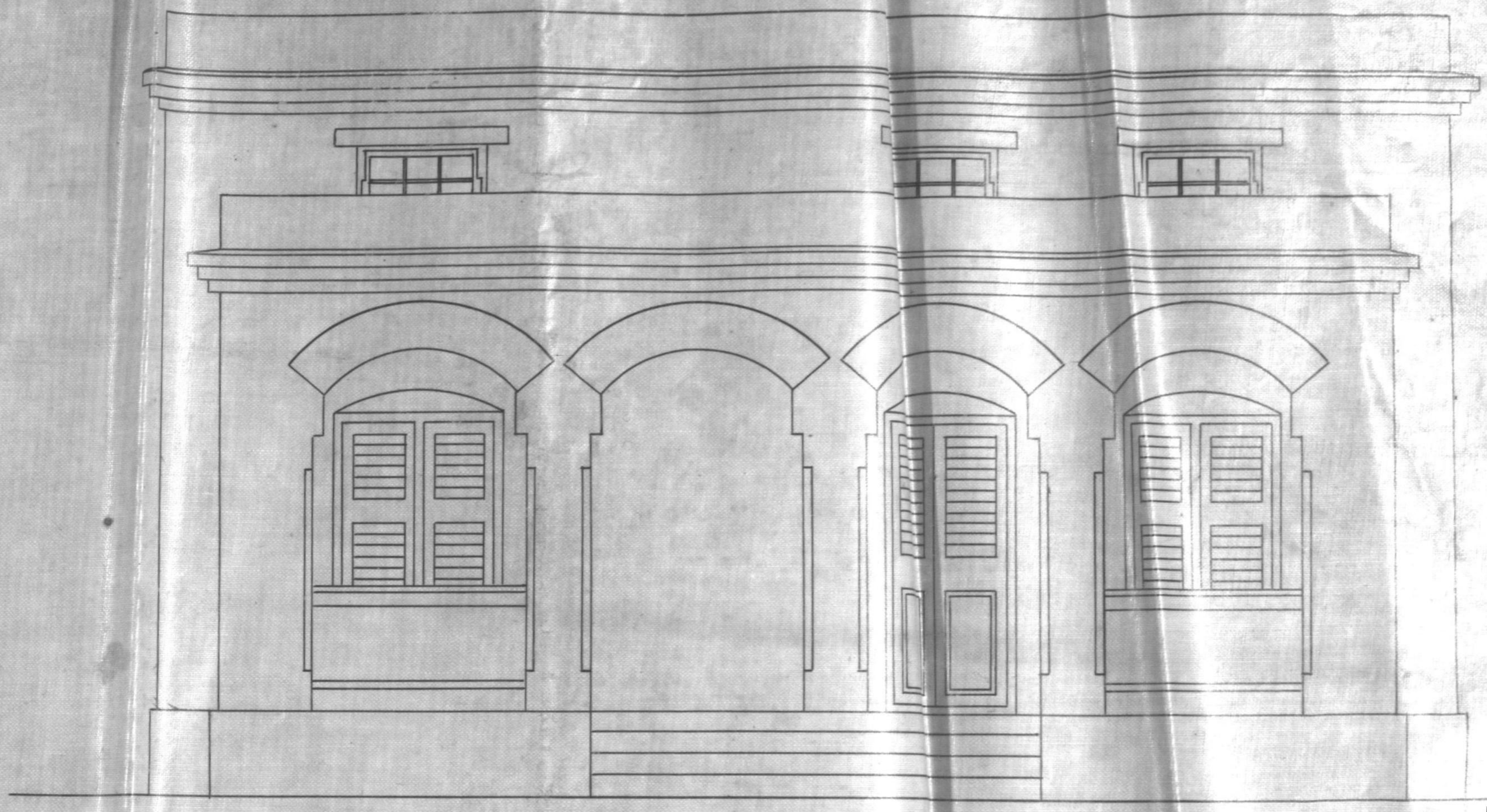






TYPE DESIGN FOR LIGHTKEEPERS QUARTERS.

WITH TERRACED ROOFING.



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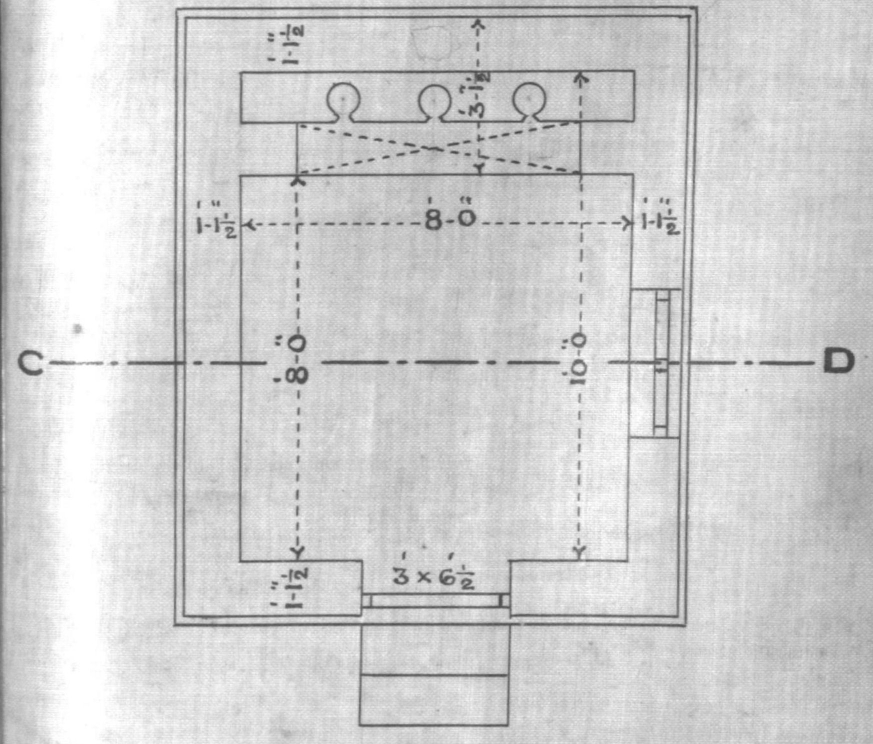
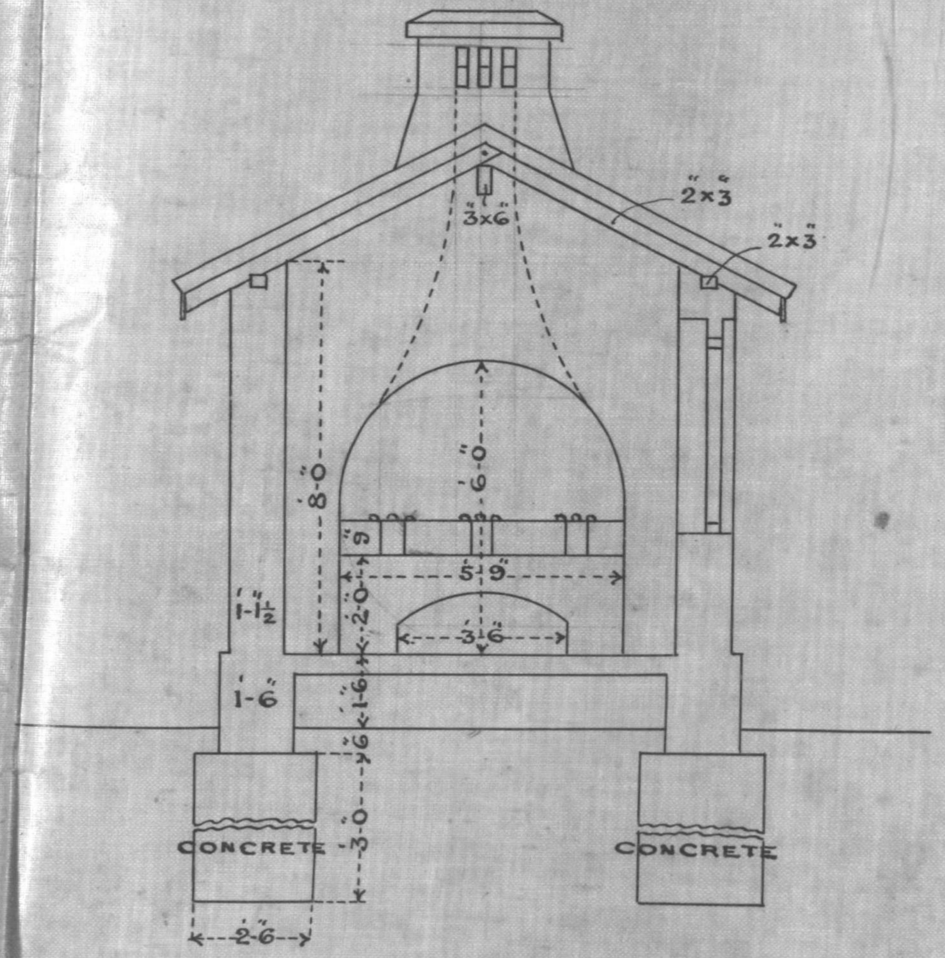
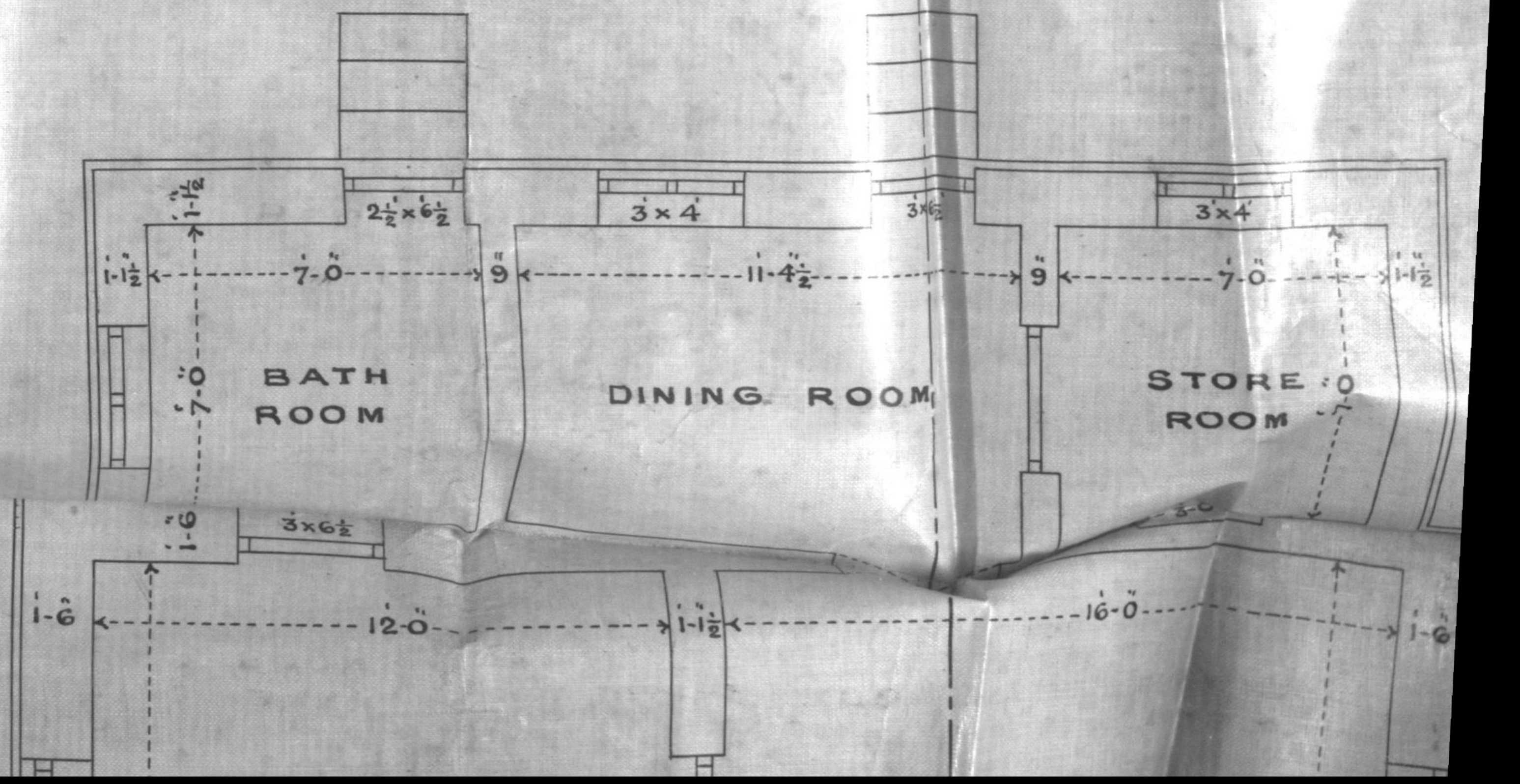
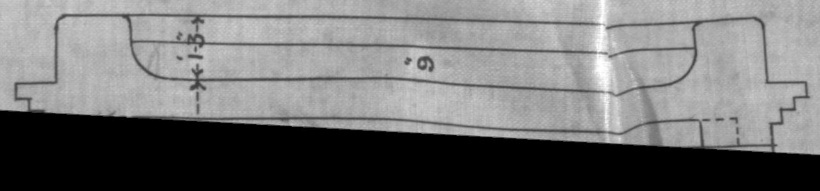


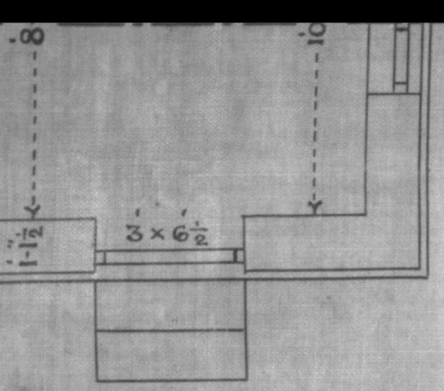
COOK HOUSE.



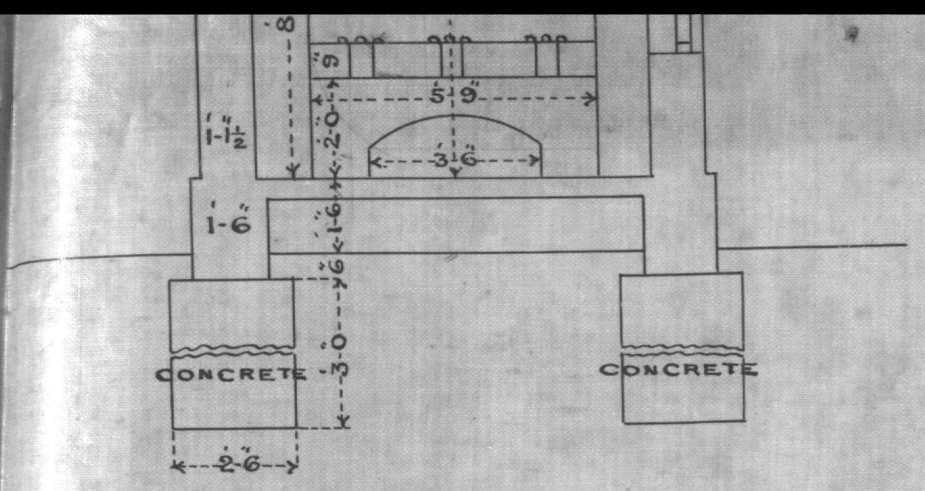
SECTION ON C.D.







OOK HOUSE.



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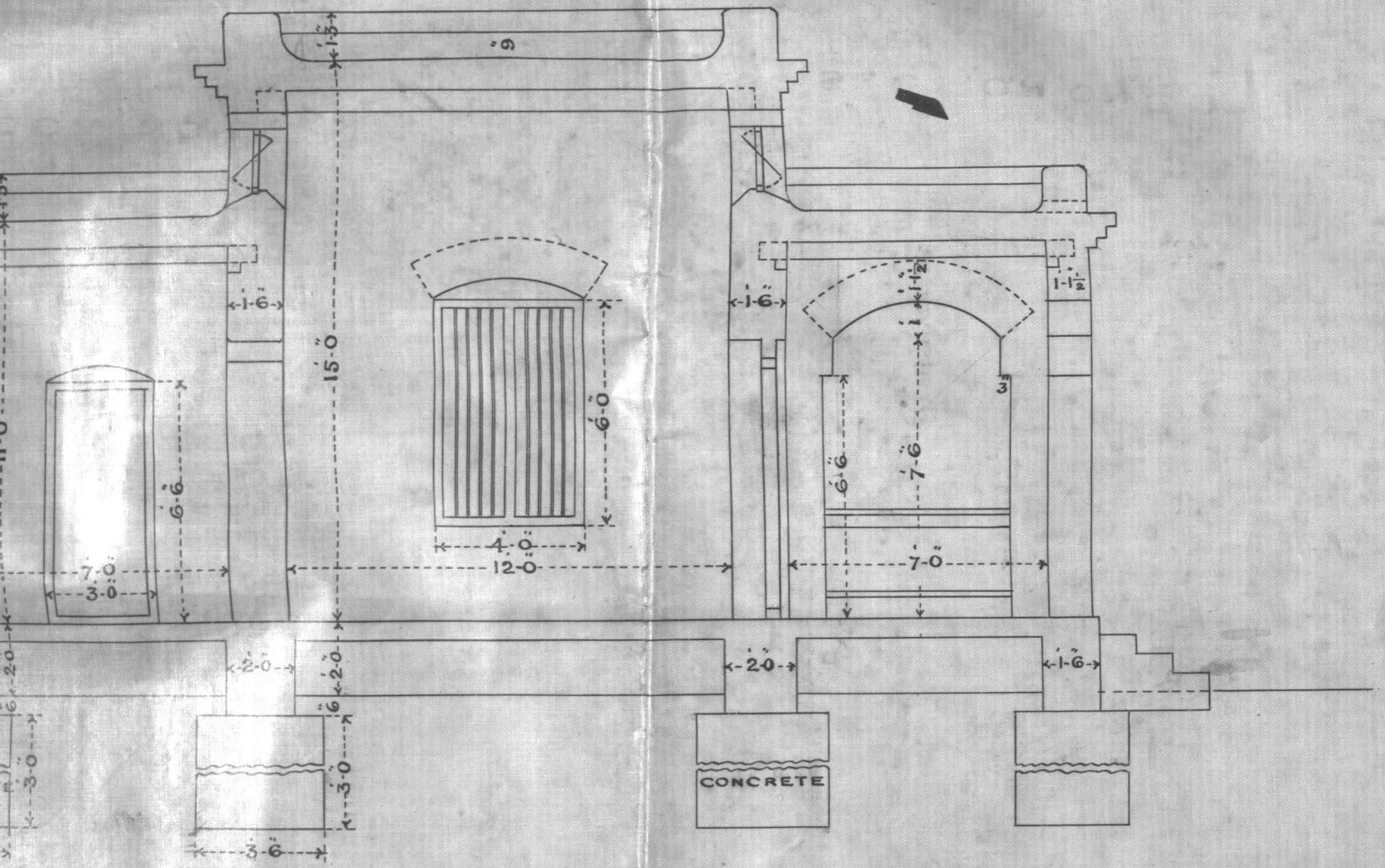
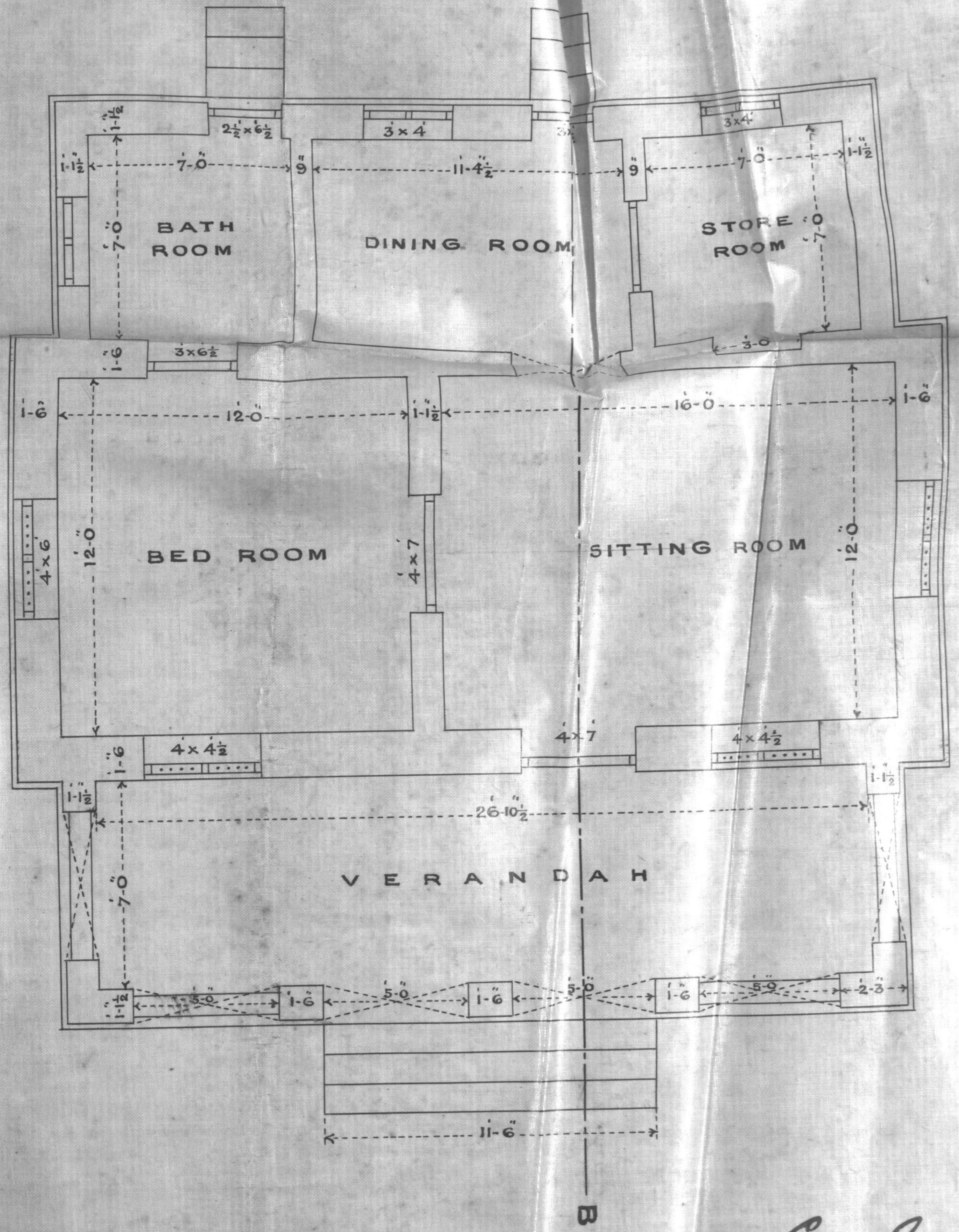
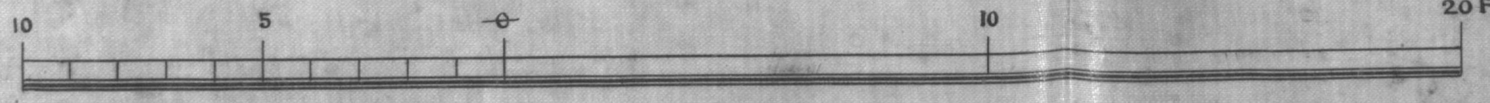


SECTION ON A.B.



PLAN

SCALE 4'=1"

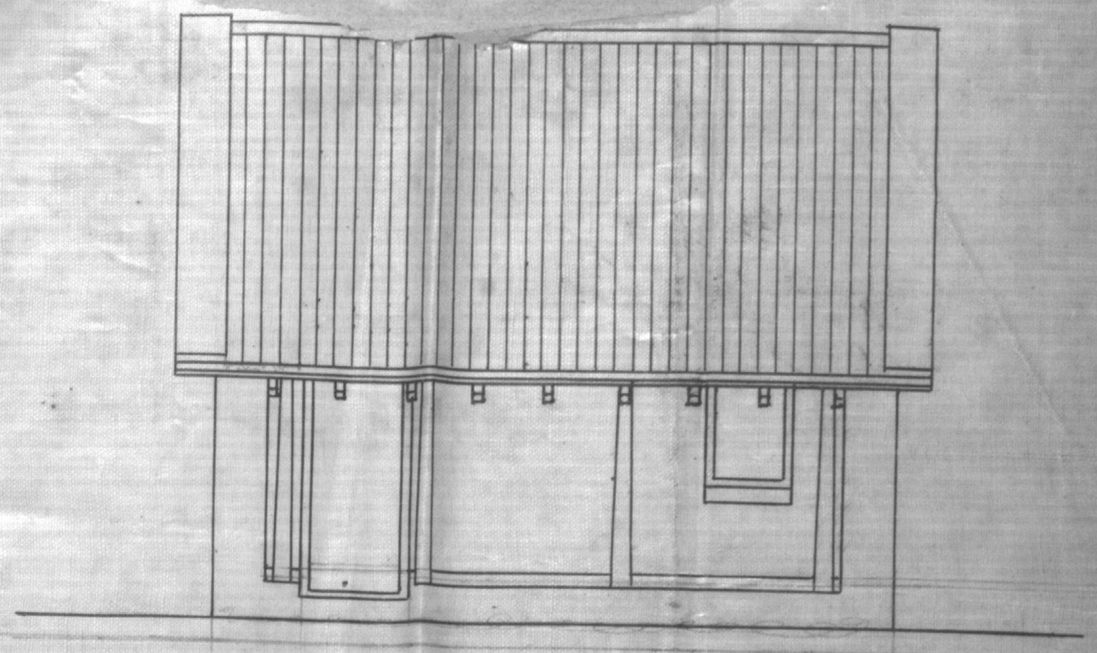


8/10/96

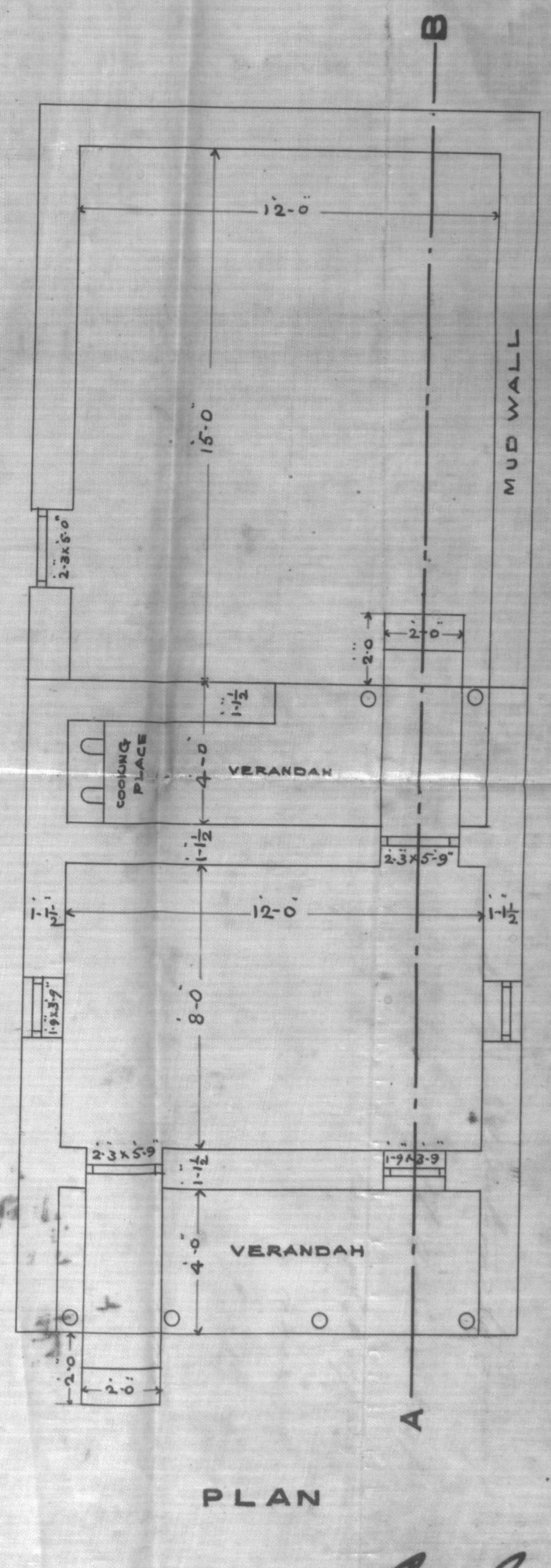
LT COL. R.E.
AG CONSULTING ARCHITECT TO G
OCTOBER 189

HT KEEPERS QUARTERS

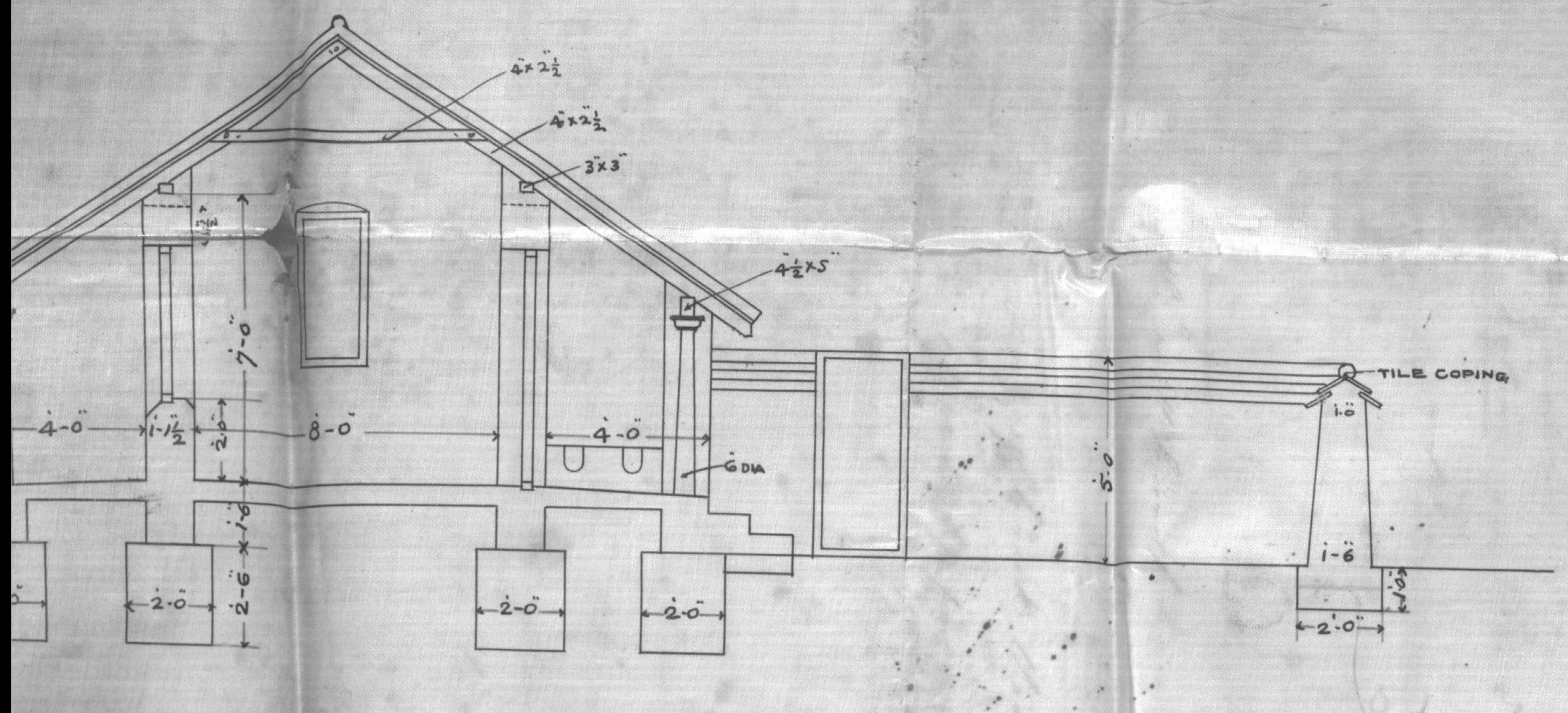
FOR LOWER CLASS OF KEEPERS.



ELEVATION.



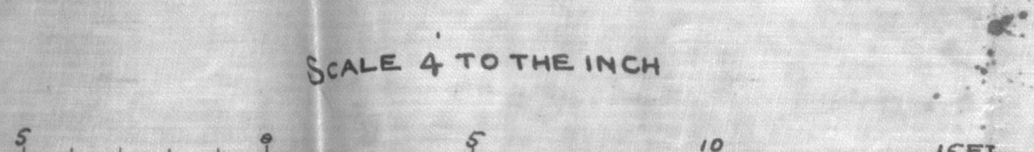
PLAN



SECTION ON LINE - A.B.

Estimate [illegible] of 6" [illegible]

SCALE 4' TO THE INCH



C. S. Lamy
9.10.96

LT-COL.
AG. CONSULTING ARCHIT
TO GOVERN
OCTOB

Report and Specification to accompany the Estimate for Light House keepers quarters for lower class of keepers with flat and pantiled roofing according to Standard plan signed by the Ag. Consulting architect to Government on 9th October 1896.

Amount of Estimate R.

Descriptive Specification

Foundation A depth of 2½ feet is provided in the quantities, but this should be settled locally in accordance with the nature of the Soil.

Walling The walls should be carried up with well burnt brick in English bond according to the thickness shown on the drawing, 1½ brick thick, or with rubble stone if easily procurable.

Wood work All roof supports doors & windows to be of Burmah teak, or approved country wood proof against white ants.

Roofing The roof will be covered with flat and pan tiles. If Mangalore Tiles are used the rafters should be spaced about 2'-6" centre to centre.

Flooring To consist of a bed of concrete 4" thick paved with 8" Square bricks and

pointed

painted with chunam.

Interior and Exterior finishing. The interior and Exterior walls will be plastered rough and whitewashed. The doors and windows and exposed wood work of roof to be painted with 3 coats of Oak paint all other timbers stained with 2 coats of wood oil.

C A Lammy Lt Col RE
7/10/96

Ag Consulting architect to Govt

5
P.S.4 [illegible]
~~448/96~~
1036/47

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Light Quarters for Lower class house keepers of Keepers						
Excavating for foundation						
Long walls	4	15-1½				
End walls	2	7-1½				
Do of Front & Rear Verandah	4	2-0				
		82·9	2·0	2·6	414	✓
Steps	2	2·3	1·6¾	0·6	4	✓
			Total cub ft			418 ✓
Concrete						
Long walls	4	15-1½				
End walls	2	7-1½				
Do of front & rear Verandah	4	2-0				
		82·9	2·0	2·6	414	✓
Steps	2	2·3	1·6¾	0·6	4	✓
			Total cub ft			418 ✓
Basement with country brick in chunam.						
Long and End walls	1	44·6	1·1½	1·6	75	✓
Verandah Long walls	2	14·3	1·1½	1·3	40	✓
Do End walls	4	2·10½	1·1½	1·4½	18	✓
Steps	4	2·3	2·0	0·9	14	
			Total Cub feet			147 ✓

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Superstructure with country brick in chunam						
Long & End walls	1	44·6	1·1½	7·7½	382	✓
Gables	2	10·3	1·1½	1·6	35	✓
Rear Verandah walls	1	6·0	1·1½	5·1½	34	✓
End walls of Verandah	4	4·0	1·1½	6·0	108	✓
Fire place	1	2·10½	1·0	1·0	3	✓
						562 ✓
Deductions						
Doors	2	2·3	1·1½	5·9	29	✓
Windows	3	1·9	1·1½	3·9	22	✓
Segmental Archwork over Doors	2	3·0	1·1½	1·1½	8	✓
do Over Windows	3	2·6	1·1½	1·1½	10	✓
						69 ✓
Net Total Cub ft						493 ✓
Segmental Archwork Over doors & Windows	1	13·6	1·1½	1·1½	17	✓
Total C ft						17 ✓
Filling in basement						
Room	1	12·0	8·0	1·0	96	✓
Verandah	2	12·0	2·10½	0·10½	60	✓
Total Cub ft						156 ✓

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Flooring with 8" Sqre bricks on a bed of concrete 4" thick and pointed with Chunam						
Room	1	12·0	8·0		96	✓
Verandah	2	12·0	4·0		96	✓
Total Sq ft						192 ✓
Teak wood Wrought & put up						
Rafters	2×9	12·6				
do Small at ends	4	2·3				
Collar pieces	9	7·3				
		299·3	0·2½	0·4	21	✓
Wall plates	2	13·3	0·3	0·3	2	✓
do of Rear Verandah	1	7·1½	0·3	0·3	1	✓
Bressummer Front	1	14·3	0·4½	0·6	2	✓
Do Rear	1	7·3	0·4½	0·6	1	✓
Verandah posts	6	4·3	0·6	0·6	6	✓
Total Cub ft						33 ✓
Batten doors						
Batten doors 2'¼ × 5'¾ with frames 3"×5" Iron fittings &c complete	2	1·9		5·3	18	✓
Total Sft						18 ✓

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Batten Windows						
Batten windows 1¾'×3¾' with frames 3"×4½" Iron fittings &c complete	3	1·3		3·3	12	
Total Sft						12
Roofing with flat and plain tiles including teak reepers.						
Front & Rear roof	2	15·9	12·3		386	
Total Sft						386
Plastering roughly plastered with Chunam & whitewashed						
Room inside	1	40-0		8-0	320	
Gable do	2	8-0		1·6	24	
Verandah	2	12-0		7·3	174	
do Gable	4	4-0		6·0	96	
Verandah wall inside	1	6-0		5·6	33	
Front Ends & Rear Verandah wall and End	1	10·6		5-3	55	
End outside	2	18·3		4-9	173	
Gables above do.	2	18-3		3-0	110	
Sides & Soffits of doors and Windows	1	60·6	1·11½	"	68	
Carried Over					1053	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward					1053	
Basement all round	1	65-0		1·6	98	
Ends of Steps	4	2-0		0·9	6	
						1157
Deduction						
Doors	2×2	2·3		5·9	52	
Windows	2×3	1·9		3·9	39	
						91
Total Sq ft						1066
Cornice						
Gable ends	4	11·6			46	
Painting to Roof timbers with 2 Coats of wood oil.						
Rafters	1	234-0		0·10½	205	
Collar pieces	9	7·3		1·1	71	
Bressummers	1	21-6		1·7	34	
Verandah posts	6	4-3		1·6	38	
Total Sqft						348
Painting Doors & Windows with 3 Coats of Oak paint						
Batten Doors	2¼×2	2·3		5·9	58	
Batten Windows	2¼×3	1·9		3·9	44	
Total Sqft						102

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	 Breadth.	 Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Compound wall with Clay and Tile coping complete						
Mud wall						
Foundation	1	44½	2-0	0.6	44	
Superstructure	1	45-0	1.3	4-0	225	
					269	
Deduct Door	1	2.3	1.3	5-0	14	
Net Total Superstructure & Excavation Cft						255
Coping with Clay & Tiles						
Round over wall	1	45-0			45	45 Rft
Batten door 2¼' x 5' with country wood or Junglewood with frames Iron fittings &c complete	1	at Rs 7 each				

Ous. 5-6
9445/96
1036/97

ESTIMATE FORM.—Abstract.

Quantity.		Description of Work.	Rate.	Per	Amount	Total.
1		2	3	4	5	6
			RS.		RS.	RS.
418	Cft.	Excavating foundation	4-10-0	Cft 1000	2	
418.	"	Concrete	14-0-0	100 Cft	59	
147.	"	Brick work in chunam for basement with country bricks	16-8-0	"	24	
493.	"	do for Superstructure do	18-0-0	"	89	
17.	"	do Segmental arch work do	22-0-0	"	4	
156.	"	Filling in basement	3-0-0	Cft 1000	1	
192.	Sft.	Flooring with 8" Sqr bricks on a bed of concrete 4" thick & pointed with chunam	12-0-0	100 Sft	23	
33.	Cft.	Teak wood wrought & put up	3-8-0	Cft	116	
18.	Sft.	Batten doors 2¼' x 5¾' with frames 3"x5" iron fittings &c complete	0-12-0	Sft	14	
12.	"	Batten Windows 1¾" x 3¾" with frames 3"x4½" iron fittings &c complete	0-12-0	"	9	
386.	"	Roofing with flat & pan tiles including teak reepers	14-0-0	100 Sft	54	
1066.	"	Plastering with rough plaster in chunam & whitewash	1-9-6	Sqre "	17	
		Carried Over			412	

Grand Total of Estimate ..

STATION ________

Date ________ 189

Executive Engineer.

30,000—15-5-95.

(E. No. 1[illegible]3.)

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		RS.	RS.
	Brought forward			412	
46 Rft.	Cornice work	0-4-0	Rft.	12	
102 Sft.	Carsons Oak paint 3 coats	2-10-0	100 Sft	3	
348 Sft.	Wood oiling ~~3~~ 2 coats	~~1-3-0~~ 0-15-	"	~~4~~ 3	
255 Cft.	mud wall including Excavation	4-12-0	100 Cft	12	
45 Rft.	Coping with clay & tiles	0-2-0	Rft.	6	
1 No	Batten door 2½ x 5 with country wood Iron fittings painting &c	7-0-0	Each	7	~~456~~ 455
	Petty Supervision @ 2½%			~~11~~ 12	
	Contingencies @ 5%			23	
					~~34~~ 35

Note. Rates according to Madras Schedule.

Grand Total of Estimate .. 490

STATION ——
Date —— 189

7/10/96

Lt Col RE

~~Executive~~ Engineer.

Ag Consulting Architect to Govt.

30,000—15-5-95.

(E. No. 128.)

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

7
Ocs 6
~~8-9/96~~
1036/97

Report and Specification to accompany the Estimate for Light House Keepers quarters with terrace roofing according to Standard plan signed by the Ag. Consulting architect to Government on 8th October 1896.

Amount of Estimate Rs. 2,520/-

Description of Specification

Foundations. A depth of 3½ feet is provided in the quantities the actual depth required should be settled according to the nature of the Soil.

Walling. The walls will be carried up with well burnt bricks in English bond 1, 1½ and 2 bricks thick, or with pebble stone if easily procurable

Wood work All roof Supports Doors and Windows to be of well Seasoned Burmah teak wood

The entrance door will be Venetian and panelled other doors entirely panelled. Windows to have Venetian shutters opening outwards and provided with Iron bars ¾ Square set diagonally. The Ventilators will consist of a glazed or panelled Shutter to open and Shut

on

on side pivots.

Roofing The roof of the quarters will be of pucka terracing. The cook house roof to be covered with Mangalore tiles.

Flooring. To consist of a bed of concrete 4" thick paved with 8" Square bricks and pointed with chunam.

Interior and Exterior finishing: The interior and exterior walls will be plastered smooth or rough plastered and washed. The doors and windows and exposed wood work of roof to be painted with 3 coats of Oak paint all other timbers stained with wood oil 2 coats.

C. Irwin Lt Col RE
8/10/96

Ag Consulting architect to Govt

8
OWS 7
~~5-5-96~~
1036/97

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Light Keepers' Quarters with terraced Roof						
Excavation for foundation						
Outer walls of main rooms	1	88-3	3-6	3-6	1081	
Partition wall do	1	10-0				
Front & rear Verandah	2	41-1½				
		92-3	3-0	3-6	969	
Partition wall in rear Verand	2	5-0¾	2-6	3-6	89	
Step in front	1	11-6				
Do in rear	1	3-0				
Do Do	1	2-6				
		17-0	2-3	0-6	19	
Total excavating foundation in Cft						2158
Concrete						
Outer walls of main rooms	1	88-3	3-6	3-0	927	
Partition wall do	1	10-0				
Front & rear Verandah	2	41-1½				
		92-3	3-0	3-0	830	
Partition wall in rear Verand	2	5-0¾	2-6	3-0	76	
Total Concrete in Cft						1833
Foundation & basement with Country bricks in Chunam						
Outer walls of main room	1	88-3	2-0	2-6	441	
Partition wall of do	1	11-6				
Outer walls front & rear Verandah	2	42-7½				
		96-9	1-6	2-6	363	
Partition wall in rear Verandah	2	6-6¾	1-1½	2-6	37	
		Carried over			841	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward Cft					841	
Steps foundation & basement	1	11-6				
Do Do Do	1	3-0				
Do Do Do	1	2-6				
		17-0	3-0	1-0	51	
Steps Basement	1	11-6				
Do Do	1	3-0				
Do Do	1	2-6				
		17-0	2-0	0-6	17	
Do Do	1	11-6				
Do Do	1	3-0				
Do Do	1	2-6				
		17-0	1-0	0-6	9	
Total foundation & basement in Cft						918
Country brick in Chunam Superstructure						
Outer walls of Main room including parapet	1	88-3	1-6	16-3	2151	
Partition wall	1	12-0	1-1/2	15-0	203	
Binding wall over do	1	12-0	1-1/2	0-9	10	
Front & rear Verandah walls including parapet	2	43-1/2	1-1/2	12-3	1189	
Partition wall in rear Verandah	2	7-0	0-9	11-0	116	
Binding walls over do	2	7-0	0-9	0-9	8	
Parapet walls in archways in front Verandah	4	5-0	0-9	3-0	45	
Total Superstructure Cft					3722	
Deductions						
Archways Segmental	6	2 1/4 area		1-1/2	15	
Head of archways	6	4-6	1-1/2	1-1/2	30	
Rectangular portion	6	5-0	1-1/2	6-6	219	
Door and archway	2	4-0	1-6	7-3	87	
Carried over					351	

E. 120,
50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward Cft					351	
Door to bath room	1	3-0	1-6	6-9	30	
Do in partition wall	1	4-0	1-1/2	7-3	33	
Do in Do of Verandah	1	3-0	0-9	6-9	15	
Rear door way	1	3-0	1-1/2	6-9	23	
Do Do to bath room	1	2-6	1-1/2	6-9	19	
Recess in store room	1	3-0	1-0	6-9	20	
Windows large at Ends	2	4-0	1-6	6-3	75	
Do small in front	2	4-0	1-6	4-9	57	
Do in rear Verandah	3	3-0	1-1/2	4-3	43	
Ventilators	6	3-0	1-6	1-9	47	
Lintel stones over Ventilators	6	4-0	1-6	0-6	18	
Segmental arch over archways in Verandah	6	6-0	1-6	1-1/2	124	
Do over doors & windows	6	5-0				
Do over recess & bath room door	2	3-9				
Do over Bed room door	1	5-0	1-1/2	1-1/2	29	
Do " Verandah door	1	3-9				
Do " Bath room "	1	3-0				
Do " Windows in rear	3	3-9				
Do " Store room door	1	3-9	0-9	1-1/2	3	
Total deduction Cft					887	
Net total of Superstructure in Cft						2835
Segmental arch work.						
As per above details in deduction Cft					156	156
Cut stone dressed						
Lintel stones over Ventilators	6	4-0	1-6	0-6	18	
Total Cut stone dressed in Cft						18

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Filling in basement						
Hall	1	15-6¾				
Bed room	1	11-6¾				
		27-1½	11-6	1-6	468 ✓	
Front Verandah	1	26-6				
Rear Verandah	1	11-0				
Bath and Store rooms	2	6-7½				
		50-9	6-6¾	1-6	500 ✓	
Total filling in basement in Cft						968
Flooring with 8" sqr bricks on a bed of Concrete 4" thick. and pointed with Chunam						
Hall	1	15-6¾				
Bed room	1	11-6¾				
		27-1½	11-6	„	312 ✓	
Front Verandah	1	26-6				
Rear Verandah	1	11-4				
Bath & store rooms	2	6-7½				
		50-9	6-6¾	„	333 ✓	
Below archways	2	5-0	1-1½	„	11 ✓	
Door & archways	2	4-0	1-6	„	12 ✓	
Do	1	4-0	1-1½	„	5 ✓	
Do	1	3-0	1-6	„	5 ✓	
Do	1	3-0	0-9	„	2 ✓	
Do	1	3-0	1-1½	„	3 ✓	
Do	1	2-6	1-1½	„	3 ✓	
Recess	1	3-0	1-0	„	3 ✓	
Total of flooring Sqft					689 ✓	689

E. 120.
50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Teak wood wrought and put up.						
Joists to Hall	11	13-6	0-3½	0-8	29 ✓	3×7½
Do to Bed room	9	13-6	0-3½	0-8	24 ✓	3×7½
Joists to front and rear Verand	19	8-6	0-3	0-5	17 ✓	
Wall plates to main joists	2	29-6	0-4	0-3	5 ✓	
Do to Verandah joists	4	27-0	0-4	0-3	9 ✓	
Total Teak wood wrought &c in cft						84
Doors.						
Panelled and Venetianed Doors 4'×7' at entrance with frames 4½"×3½", Iron fittings &c Complete	1	3-5	„	6-5	22 ✓	
Total Sqft of doors						22
Panelled doors 4'×7' with frames 4½"×3½", iron fittings &c complete	1	3-5	„	6-6	22 ✓	
Do Do 3'× 6½' with frames 3"×4½" iron fittings &c complete	3	2-6	„	6-0	45 ✓	
Total Sqft of doors.					67	67
Batten door 2½×6½' with frames 3"×4½", iron fittings, Single Shutter &c complete	1	2	„	6-0	12 ✓	
Total Sqft						12
Windows.						
Iron barred & Venetian Windows 4'×6' with frames 3"×5½" Hinges, hooks iron fittings &c complete	2	3-6	„	5-6	39 ✓	
Do Do 4'×4½ with frames Do Do	2	3-6	„	4-0	28 ✓	
Do Do 3'×4' with frames 3"×4½" Do Do	3	2-6	„	3-6	26 ✓	
Total Sqft of Windows.					93	93

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Ventilators.						
Glazed Ventilators 3'×1 3/4' with frames 3"×4 1/2", and iron fittings, side pivots &c Complete.						
, Four in large room & two in Small rooms —	6	2-6	„	1-3	19 ✓	✓
Total Sqft of Ventilators —						19
Terrace roofing with Brick on edge 3" thick and 3 courses of flat tiles —						
Hall	1	16-0				
Bed room	1	12-0				
		28-0	12-0	„	336 ✓	
Verandah front	1	26-10 1/2				
Do rear	1	11-4 1/2				
Bath & store room	2	7-0				
		52-3	7-0	„	366 ✓	✓
Total Sqft of terracing —						702
Cornice Work.						
Round the main rooms	1	97-3				
Round the front & rear Veraud	2	44-7 1/2				
		186-6	„	„	186-6 ✓	
Total Rfeet of Cornice —						187
Plastering with Chunam 2 coats and polished						
Hall	1	56-0				
Bed room	1	48-0				
		104-0	„	14-3	1482 ✓	
Front Verandah	1	67-9				
Rear do	1	36-9				
Bath & store rooms	2	28-0				
		160-6	„	10-3	1645 ✓	
Carried over —					3127 ✓	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought Forward Sft —					3127	✓
Sides & Soffits of arch ways	6	20-6	1-1 1/2	„	138	✓
Do Do Do	1	18-6	1-6	„	28	✓
Sides of Entrance door	1	18-6	1-1 1/2	„	21	✓
Do of Bed room door	1	18-6	0-9	„	14	✓
Do of Bath room door	1	16-3	1-1 1/2	„	18	✓
Do of Rear Verandah door	1	16-3	0-9	„	12	✓
Do of Store room door	1	16-3	0-4 1/2	„	6	✓
Do of rear door of bath room	1	15-9	0-9	„	12	✓
Do & Soffits of recess in store	1	16-3	1-0	„	16	✓
Sides, soffits & sills of Windows	2	20-6	1-0 1/2	„	43	✓
do Do Do Do	2	17-6	1-0 1/2	„	36	✓
Do Do Do Do	3	14-3	0-9	„	32	✓
do & sills of Ventilators	6	6-6	1-1 1/2	„	44	✓
Sides and top of parapet wall between arches	4	5-0	„	6-9	135	✓
Exterior of front & rear Verandah including parapet & cornice	2	45-4 1/2	„	13-9	1248	✓
Top of Parapet of Verandahs	2	43-1 1/2	1-1 1/2	„	97	✓
Inside of parapet wall	2	40-10 1/2	„	1-3	102	✓
Ends of main building including parapet and cornice —	2	18-0	„	17-9	639	✓
Front & rear of main building above Verandah Terrace	2	26-10 1/2	„	1-3	67	✓
Do Do above parapet	2	29-1 1/2	„	5-6	320	✓
Top of Parapet wall of main building	1	88-3	1-6	„	132	✓
Inside of do — do —	1	82-3	„	1-3	103	✓
Binding wall over main terrace —	1	12-0	„	2-7 1/2	32	✓
Do Verandah do	2	7-0	„	2-3	32	✓
Carried over					6454	✓

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward sqft					6454 ✓	
Basement all round	〃	128-6	〃	2-0	257 ✓	
Ends of Steps	6	3-0	〃	1-0	18 ✓	
Total plastering sqft					6729 ✓	
Deductions						
Archways segmental	1×6	2¼	~~area~~	〃	27 ✓	
Head of archways	2×6	4-6	〃	1-0	54 ✓	
Rectangular portion of do	2×6	5-0	〃	6-6	390 ✓	
Door and archways	2×3	4-0	〃	7-3	174 ✓	
Door to Bath room &c	2×3	3-0	〃	6-9	122 ✓	
Do in Bath room	2×1	2-6	〃	6-9	34 ✓	
Windows large at Ends	2×2	4-0	〃	6-3	100 ✓	
Do Small at front	2×2	4-0	〃	4-9	76 ✓	
Do in rear Verandah	2×3	3-0	〃	4-3	77 ✓	
Ventilators	2×6	3-0	〃	1-9	63 ✓	
Spaces of parapet Walls in Veran	8	4-9	〃	3-0	18 ✓	
Total deduction sqft					1135 ✓	✓
Net total of Plastering sqft					5594 ✓	5594
Woodoiling Roof timbers 2 coats						
Joists	11	12-0	〃	1-7½	216 ✓	
Do	9	12-0	〃	1-7½	176 ✓	
Do	19	7-0	〃	1-1	144 ✓	✓
Total painting to roof timbers sft						535

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Painting doors & Windows with Oak paint 3 coats.						
Panelled and Venetian door	2¾×1	4-0	〃	7-0	77 ✓	
Panelled door	2¼×1	4-0	〃	7-0	63 ✓	
Do	2¼×3	3-0	〃	6-6	132 ✓	
Batten door	2¼×1	2-6	〃	6-6	37 ✓	
Iron barred & Venetian Windows	3½×2	4-0	〃	6-0	168 ✓	
Do Do	3½×2	4-0	〃	4-6	126 ✓	
Do Do	3½×3	3-0	〃	4-0	126 ✓	
Ventilators	1×6	3-0	〃	1-9	32 ✓	✓
Total painting sqft					761 ✓	761

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7

E. 120,
50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Cook House						
Excavating foundation						
Outer Walls	1	40-9	2-6	3-6	357	
Fire place	1	6-7½	2-1½	3-6	49	
Steps	1	3-0	1-6	0-6	2	
Total cubic feet					408	408
Concrete						
Outer Walls	1	40-9	2-6	3-0	306	
Fire place	1	6-7½	2-1½	3-0	42	
Total Concrete in cft					348	348
Foundation & Basement with Country brick in Chunam.						
Outer Walls	1	40-9	1-6½	2-0	122	
Fire place	1	7-7½	2-1½	2-0	32	
Step	1	3-0	2-1½	1-0	6	
Do	1	3-0	1-0	0-6	2	
Total foundation & basement cft						162
Superstructure with Country brick in Chunam.						
Outer wall	1	40-9	1-1½	8-0	367	
Fire place	1	8-0	2-1½	8-0	136	
Gables	2	10-3	1-1½	1-3	29	
Fire place	2	10-3	2-1½	1-3	54	
Chimneys	1	3-3	3-3	1-0	11	
Head	1	3-9	3-3	1-6	18	
Total cft Superstructure					615	

ESTIMATE FORM,—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Deductions						
Door way	1	3-0	1-1½	6-9	23 ✓	
Windows	1	3-0	1-1½	4-3	14 ✓	
Archway of fire place:—						
Rectangular part	1	5-9	1-1½	2-9	18 ✓	
Semicircular do	1	$\frac{5\text{-}9^{2}\times \cdot 7854}{2}$		×1-1½	15 ✓	
Below peal	1	3-6	1-0	1-0	4 ✓	
Arch work above doors & Wind	2	3-9	1-1½	1-1½	9 ✓	
Do of fire place	1	$\frac{6\text{-}10\tfrac{1}{2}\times 3\cdot 1416}{2}$		×1-1½ ×1-1½	14 ✓	
Do do below	1	4-3	1-0	0-9	3 ✓	
Total deduction Cft					100 ✓	
Net total of Superstructure in Cft —						515 ✓
Arch Work						
As per above deduction in Cft —					26 ✓	26 ✓
Filling in basement						
Room	1	7-7½	7-7½	1-0	58 ✓	
Total filling in Cft —						58 ✓
Flooring with 8" Sqr bricks on a bed of concrete 4" thick. and pointed with Chunam						
Room	1	7-7½	7-7½		58. ✓	
Total flooring in Sft —						58 ✓
Teak Wood wrought & put up.						
Rafters large	12	7-3	0-2	0-3	4 ✓	
〃 Small	2	4-0	0-2	0-3	1 ✓	
Wall plates	2	14-6	0-2	0-3	1 ✓	
Ridge piece large	1	11-3	0-3	0-6	1 ✓	
〃 Small	1	1-9	0-3	0-6	1 ✓	
Eave board —	2	15-6	0-¾	0-6	1 ✓	
Total Cft of teak wood —						9. ✓

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50,000—6-6-96.

ESTIMATE FORM,—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Doors & Windows.						
Batten door 3'×6½' with frames 3"×4½", iron fittings &c complete —	1	2-6	〃	6-0	15 ✓	
Total Sft —						15 ✓
Iron barred batten Windows 3'×4' with frames 3"×4½" Iron fittings &c —	1	2-6	〃	3-6	9 ✓	
Total Sft —						9 ✓
Roofing with Mangalore tiles & teak reepers &c complete—						
Front & Rear —	2	14-10½	7-6	〃	223 ✓	
Total Sft of Roofing —						223 ✓
Plastering with chunam 3 coats						
Room inside	1	32-0	〃	8-0	256 ✓	
Gables	2	8-0	〃	1-3	20 ✓	
Sides & Soffits of arch	1	14-6	1-0	〃	15 ✓	
— Do — do —	1	5-0	1-0	〃	5 ✓	
Sides & Soffits of door	1	19-6	0-9	〃	15 ✓	
Do do cills of Windows	1	14-0	0-9	〃	11 ✓	
Exterior of Kitchen	1	45-3	〃	8-0	362 ✓	
Gables	2	10-3	〃	1-3	26 ✓	
Chimney all round	1	13-0	〃	1-0	13 ✓	
Bead	1	14-0	〃	1-6	21 ✓	
Total Plastering Sft					744 ✓	
Deductions						
Door Ways	2×1	3-0	〃	6-6	39 ✓	
Windows	2×1	3-0	〃	4-0	24 ✓	
Total deduction Sft					63 ✓	
Net total of Plastering Sft —					681 ✓	681 ✓

13

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Wardizling roof timbers 2 coats						
Pale [illegible] green paint 2 coats						
Rafters — large —	8	7-3	0-10	"	48	
do — small —	2	4-0	0-10	"	7	
Ridge piece —	1	11-3	1-6	"	17	
— do —	1	11-9	1-6	"	3	
Total Sqft of Painting					75	75
Painting doors & Windows with Oak paint 3 coats.						
Batten door	2¼×1	3-0	"	6-6	44	
Iron barred batten Windows	2¾×1	3-0	"	4-0	33	
Ex posed rafters	4×1	7-3	0-10	"	25	
Eave boards do	2	15-6	1-0¾	"	33	
Total painting sft						135
Fire place to be built of brick in clay and plastered with clay and smeared with Cow dung.	1	6-4½ long				6 3/8 Rft.

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103/6/97

ESTIMATE FORM.—Abstract.

Quantity.		Description of Work.	Rate.	Per	Amount	Total.
1		2	3	4	5	6
			RS.		RS.	RS.
		Quarters.				
2158	Cft.	Excavating foundation	4/1/- 4-10-0	Cft 1000	10	9
1833	"	Concrete.	55/- 14-0-0	100 Cft.	257	1008
918	"	Country bricks in chunam for foundation & basement	23/1/- 16-8-0	"	157	211
2835	"	do Superstructure	25/- 18-0-0	"	510	709
156	"	do Segmental archwork	30/1/- 22-0-0	"	34	46
18	"	Cut Stone dressed	6/8 2-0-0	Cft.	36	63
968	"	Filling in basement with earth	4/1/- 3-0-0	Cft 1000	3	4
689	Sft.	Flooring with 8" Sqre bricks on a bed of concrete 4" thick & pointed with chunam	30/1/- 12-0-0	Sft 100	83	207
84	Cft.	Teak wood wrought & put up	4/8/- 3-8-0	Cft.	294	378
22	Sqft.	Panelled & Venetianed doors with frames iron fittings &c complete	2/1/- 1-1-0	Sft.	23	44
67	"	Panelled doors with frames & iron fittings &c complete	1/14 0-14-0	"	59	126
12	"	Batten doors with frames single shutter & iron fittings &c complete	2/1/- 0-12-0	"	9	24
93	"	Iron barred Venetian Windows with frames hooks hinges & iron fittings &c complete	2/1/- 12-0	"	163	186
		Carried over.			1632	3015

Grand Total of Estimate ..

STATION ____________
Date ____________ 189

30,000—15-5-95.

Executive Engineer.

(E. No. 123.)

Circle—

Division—

District—

Taluk (or Estate in case of Estate Works.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Brought forward			1632	3015
19 Sqft.	Glazed Ventilators 3×1¾ with frames 3"×4½" and Iron fittings with side pivots &c complete.	1/8 1-0-0	Sqft	19	29
702 〃	Terrace roofing with brick on edge 3" thick & 3 courses of flat tiles with 3 coats of plaster	30/- 25-0-0	100 Sft	176	210
187 Rft	Cornice work	0-4-0	Rft	47	47
5594 Sqft	Plastering with chunam 2 coats polished	3/8/- 2-8-0	100 Sft	140	196
535 〃	Wood oiling 2 coats.	0-15-0	〃	5	
761 〃	Painting 3 coats with Oak paint.	3/8/- 2-10-0	〃	20	27
				2039	3524
	Contingencies @ 5%			102	165
	Petty Supervision @ 2½%			51	81
				153	3770
				2192	
	Carried over Rs			2192	
	Grand Total of Estimate ..				

7.6
8.8 3
380
228
2660

Station

Date 189

Executive Engineer.

30,000—15-5-95.

(E. No. 123.)

Circle—

Division—

District—

Taluk (or Estate in case of Estate Works.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	
	Brought forward				2192
	Cook House				
408 Cft.	Excavating foundation	4-10-0	1000 Cft	2	
348 "	Concrete	14-0-0	100 Cft.	49.	
162 "	Country bricks in chunam for foundation & basement	16-8-0	"	27	
515 "	Do Superstructure	18-0-0	"	93	
26 "	Archwork with country bricks in chunam	22-0-0	"	6.	
58 "	Filling in basement with earth	3-0-0	1000 Cft	1	
58 Sft.	Flooring with 8" Sqre bricks on a bed of concrete 4" thick & pointed with chunam	12-0-0	100 Sft.	7	
9 Cft.	Teak wood wrought & put up	3-8-0	Cft	32	
15 Sft.	Batten doors with frames & iron fittings &c Complete	0-12-0	Sft	11	
9 "	Iron barred batten windows with frames & iron fittings &c complete.	1-8-0	"	14	
223 "	Roofing with Mangalore tiles &c	17-0-0	100 Sft.	38	
687 "	Plastering with chunam 2 Coats polished	2-8-0	"	17	
75 "	~~Pale Sage green paint~~ wood oiling 2 Coats	0-15-0	"	1	
	Carried over			298	2192
	Grand Total of Estimate ..				

Station—

Date ——— 189

Executive Engineer.

30,000—15-5-95.

(E. No. 123.)

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		RS.	RS.
	Brought forward			298	2192
135 Sq ft.	Oak colour paint 3 coats	2-10-0	100 Sft	4	
1 No or 63/8" Rft	Fire place to be built of brick in clay and plastered with clay & smeared with cowdung	0-8-0	Rft	3	
				305	
	Contingencies @ 5%			15	
	Petty Supervision @ 2½%			8	
					328
	Note— Rates according to Madras Schedule				

Grand Total of Estimate .. 2,520

STATION ——————
Date —————— 189

8/10/96

Lt Col RE

~~Executive Engineer.~~

Ag Consulting Architect to Govt

30,000—15-5-95.

(E. No. 12[illegible])

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

10
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1030/47

Report and Specification to accompany the plan and Estimate for Light House keepers quarters with roofing of flat and pantiles according to Standard plan signed by the Acting Consulting architect to Govt on 8th October 1896.

Amount of Estimate Rs. 2544/-

Descriptive Specification

Foundations. A depth of 3½ ft is provided in the quantities the actual depth required should be settled according to the nature of the soil.

Walling The walls will be carried up with well burnt bricks in English bond 1, 1½ & two bricks thick, or with rubble stone if easily procurable.

Wood work. All roof supports Doors and Windows to be of well seasoned Burmah teak wood.

The Entrance door will be Venetian and pannelled other doors entirely panelled. Windows to have Venetian shutters opening outwards and provided with Iron bars ¾" sq: set diagonally

diagonally. The Ventilators will consist of Galvanized iron wire netting 3/4 inch mesh placed between two pieces of wood 2"×1" screwed to each other.

Roofing — The roof will be covered with flat and pantiles. If Mangalore tiles are used the rafters should be spaced about 2½ ft centre to centre, in which case the two main rooms should be ceiled with ½" teak planking nailed to the underside of rafters and overlapping not less than 1 inch at joints.

Flooring To consist of a bed of concrete 4" thick paved with 8" Square bricks and pointed with chunam.

Interior and Exterior finishing — The interior and Exterior walls will be plastered smooth or rough plastered and washed. The doors and windows & exposed wood work of roof to be painted with three coats of oak paint, all other timbers stained with wood oil two coats.

8/10/96 Lt Col RE

Ag Consulting architect to Govt.

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1036/97

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Light Keeper's Quarters with flat and pan tiled roof.						
Excavation for foundation						
Outer walls of main rooms	1	88-3	3-6	3-6	1081	
Partition wall of do.	1	10-0	3-0	3-6	269	
Front and rear Verandah	2	41-1½				
		92-3	3-0	3-6	969	
Partition wall in rear Verandah	2	5-0¾	2-6	3-6	89	
Step in front	1	11-6				
Do in rear	1	3-0				
Do in Do	1	2-6				
		17-0	2-3	1-6	19	
Total Excavating foundation cft						2158
Concrete						
Outer Walls of main room	1	88-3	3-6	3-0	927	
Partition wall of Do.	1	10-0				
Front and Rear Verandah	2	41-1½				
		92-3	3-0	3-0	830	
Partition wall in rear Verandah	2	5-0¾	2-6	3-0	76	
Total concrete in Cft					1833	1833
Foundation & Basement with Country brick in Chunam.						
Outer walls of main Rm	1	88-3	2-0	2-6	441	
Partition wall of do	1	11-6				
Outer wall of front & rear Verandah	2	42-7½				
		96-9	1-6	2-6	363	
Partition wall in rear Veran	2	6-6¾	1-1½	2-6	37	
Carried over					841	

E. 120,
50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward Cft					841	✓
Step foundation & basement	1	11-6				
Do Do Do	1	3-0				
Do Do Do	1	2-6				
		17-0	3-0	1	51	✓
Do in basement	1	11-6				
Do Do	1	3-0				
Do Do	1	2-6				
		17-0	2-0	0-6	17	✓
Do Do	1	11-6				
Do Do	1	3-0				
Do Do	1	2-6				
		17-0	1-0	0-6	9	✓
Total foundation & basement in Cft						918 ✓
Superstructure with country brick in Chunam.						
Front & rear walls of main room	2	32-1½				
End walls of Do	2	12-0				
		88-3	1-6	15-7½	2068	✓
Gables of End walls	2	15-0	1-6	2-3	101	✓
Partition wall	1	12-0	1-1½	15-7½	211	✓
Gable over Do	1	15-0	1-1½	2-3	38	✓
Front and rear walls of Verandah	2	29-1½				
End walls of Do	4	7-0				
		86-3	1-1½	10-0	970	✓
Gables over End walls of Verandah	4	8-1½	1-1½	2-6	91	✓
Partition walls in rear Do	2	7-0	0-9	10-0	105	✓
Gables over Do	2	8-1½	0-9	2-6	30	✓
	Carried over				3614	✓

E. 120,
50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward Cft					3614	✓
Parapet walls at front Verandah	4	5-0	0-9	3-0	45	✓
Total Superstructure Cft					3659	✓
Deductions						
Archways Segmental	6	2¼	Area	1-1½	15	✓
Head of archways	6	4-6	1-1½	1-0	30	✓
Rectangular portion	6	5-0	1-1½	6-0	203	✓
Entrance door and archway in rear	2	4-0	1-6	7-3	87	✓
Door to Bath room	1	3-0	1-6	6-9	30	✓
Do in Partition wall	1	4-0	1-1½	7-3	33	✓
Do in Store room	1	3-0	0-9	6-9	15	✓
Do in Rear wall	1	3-0	1-1½	6-9	23	✓
Do in Do of bath room	1	2-6	1-1½	6-9	19	✓
Recess in store room	1	3-0	1-0	6-9	20	✓
Windows large at ends	2	4-0	1-6	6-3	75	✓
Do Small at front	2	4-0	1-6	4-9	57	✓
Do Do in Rear Verandah	3	3-0	1-1½	4-3	43	✓
Ventilators	6	3-0	1-6	2-6	68	✓
Segmental arch work in Verandah	6	6-0	1-6	1-1½	124	✓
Do Do over doors & Windows	6	5-0				
Do over Recess & Bath room	2	3-9				
Do of Bed room door	1	5-0	1-1½	1-1½	29	✓
Do of Rear Verandah door	1	3-9				
Do of Bath room door	1	3-0				
Do over Rear Windows	3	3-9				
Do over Store room door	1	3-9	0-9	1-1½	3	✓
Total deduction in Cft					874	✓

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ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Net total Superstructure in Cft						2785
Segmental Archwork						
As per above details in deduction cft					156	156
Filling in basement [illegible]						
Hall	1	15-6¾				
Bed room	1	11-6¾				
		27-1½	11-6	1-6	468	
Front Verandah	1	26-6				
Rear Verandah	2	11-0				
Bath & store room	2	6-7½				
		50-9	6-6¾	1-6	500	
Total filling in basement with earth Cft						968
Flooring with 8" sq. brick on a bed of Concrete 4" thick & pointed with Chunam						
Hall	1	15-6¾				
Bed room	1	11-6¾				
		27-1½	11-6	„	312	
Front Verandah	1	26-6				
Rear Verandah	1	11-0				
Bath & store rooms	2	6-7½				
		50-9	6-6¾	„	333	
Below arch ways	2	5-0	1-1½	„	11	
Door & arch ways	2	4-0	1-6	„	12	
Door ways	1	4-0	1-1½	„	5	
Do	1	3-0	1-6	„	5	
Do	1	3-0	0-9	„	2	
Do	1	3-0	1-1½	„	3	
Do	1	2-6	1-1½	„	3	
		Carried over			686	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward Sft					686	
Recess in Store room	1	3-0	1-0	„	3	
Total flooring Sft					689	689
Teakwood wrought and put up.						
Rafters to main room	2×22	9-0				
Front & rear Verandah	2×21	13-0				
		942-0	0-2½	0-5	82	
Ridge piece	1	34-1½	0-5	0-9	11	
Bearing piece below ridge over cross walls	1	2-1½	0-5	0-4½"	1	
Wall plate over main wall	2	34-1½				
Do over Verandah	2	31-1½				
		130-6	0-3	0-3	8	
Eave boards	2	33-7½	0-¾	0-6	2	
Total teak wood wrought and put up Cft						104
Doors						
Panelled and Venetianed door 4'×7' at entrance with frames 4½"×3½", iron fittings &c complete	1	3-5	„	6-5	22	
Total Sft of door						22
Panelled door 4'×7' to bed room with frames 4"×3½", iron fittings &c complete	1	3-5	„	6-6	22	
Panelled doors 3'×6½' with frames 3"×4½", iron fittings &c complete	3	2-6	„	6-0	45	
Total Sft of doors					67	67
Batten door to rear of bath room 2½'×6½' with frames 3"×4½", iron fittings, single shutter &c complete	1	2-0	„	6-0	12	
Total Sft						12

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	MEASUREMENTS IN FEET. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Windows.						
Iron barred and Venetian Windows 4'×6' with frames 3"×5½" Hinges, hooks & iron fittings &c complete	2	3-6	„	5-6	39	
Do Do 4'×4½' with frames Do Do Do &c complete	2	3-6	„	4-0	28	
Do Do 3'×4' with frames 3"×4½" Do Do &c complete	3	2-6	„	3-6	26	
Sqft					93	93
Fixed ~~Ventilators~~ with galvanized iron wire netting ¾" mesh.						
Ventilators	6	3-0	„	2-0	36	
Total Sqft						36
Roofing with flat and pan tiles including teak reepers						
Main roof	2	34-1½	10-0	„	683	
Verandah roof	2	31-1½	11-0	„	685	
Total Roofing Sqft					1368	1368
Plastering with chunam ⅔ coats & Polished						
Interior Hall	1	56-0				
Bed room	1	48-0				
		104-0	„	15-7½ 16-0	1664	
Gables of Do	4	12-0	„	3 2-1½	102	
Exterior of Hall & Bedroom all round	1	88-3	„	15-7½	1379	
Do of Gables of Do	2	15-0	„	2-3	68	
Interior of front Verandah	1	40-10½				
Do of Rear Verandah rooms	1	67-4½				
		108-3	„	10-6	1137	
Carried over					4350	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	MEASUREMENTS IN FEET. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward Sqft					4350	
Gables of Verandah	8	7-0	„	2-3	126	
Exterior of front & Rear Verandah	2	45-4½	„	9-6	861	
Gables of Do	4	8-1½	„	3-0	98	
Sides & Soffits of Archways	6	19-6	1-1½	„	132	
Do Do Do	1	18-6	1-6	„	28	
Sides of Entrance door	1	18-6	1-1½	„	21	
Do of Bed room	1	18-6	0-9	„	14	
Do of Bath room door	1	16-3	1-1½	„	18	
Do of Rear Verandah door	1	16-3	0-9	„	12	
Do of Store room door	1	16-3	0-4½	„	6	
Do Rear door of bath room	1	15-9	0-9	„	12	
Do of recess in Store room	1	16-3	1-0	„	16	
Do Soffits & cills of Windows	2	20-6	1-0½	„	43	
Do Do Do	2	17-6	1-0½	„	36	
Do Do Do	3	14-3	0-9	„	32	
Sides & cills of Ventilators	6	8-0	1-6	„	72	
Sides and top of parapet walls between arches	4 3	5-0	„	6-9	135	
Basement all round	„	128-6	„	2-0	257	
Ends of Steps	6	3-0	„	1	18	
Total Sqft					6287	
Deductions						
Archways Segmental	2×6	2¼ area			27	
Head of arch ways	2×6	4-6	„	1-0	54	
Rectangular portion of Do	2×6	5-0	„	6-0	360	
Doors and arch ways	2×3	4-0	„	7-3	174	
Door to Bath &c	2×3	3-0	„	6-9	122	
Carried over					734	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brought forward — Sft					737	
Door in Bath room	2×1	2-6	„	6-9	34	
Windows large at Ends	2×2	4-0	„	6-3	100	
Do Small at front	2×2	4-0	„	4-9	76	
Do Do in Rear	2×3	3-0	„	4-3	77	
Ventilators	2×6	3-0	„	2-6	90	
Spaces of Parapet Wall in Verand	8	0-9	„	3-0	18	
Total deduction Sft					1132	
Net total of plastering in Sqft						5155
Painting to roof timbers with wood oil 2 coats						
Rafters	1	854	1-3	„	1068	
Ridge piece	1	34-1½	2-4	„	80	
Bearing piece	1	2-1½	2-1	„	5	
Wall plates	1	130-6	1-0	„	131	
Total painting Sft					1284	1284
Painting to Doors & Windows with Oak paint 3 coats.						
Panelled & Venetian door	2¾×1	4-0	„	7-0	77	
Panelled Doors	2¼×1	4-0	„	7-0	63	
Do	2¼×3	3-0	„	6-6	132	
Batten door	2¼×1	2-6	„	6-6	37	
Iron barred Venetian Windows	3½×2	4-0	„	6-0	168	
Do Do	3½×2	4-0	„	4-6	126	
Do Do	3½×3	3-0	„	4-0	126	
Ventilators glazed	1×6	3-0	„	2-0	36	
Exposed Rafters at ends	2×2	9-0	} 1-3	„	110	
Do Do ~~south Verandah~~	2×2	13-0				
Eave boards	2	33-7½	1-0¾	„	71	
Total painting Sft					946	946

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Cook House.						
Excavating foundation						
Outer walls	1	40-9	2-6	3-6	357	
Fire place	1	6-7½	2-1½	3-6	49	
Steps	1	3-0	1-6	0-6	2	
Total excavation Cft					408	408
Concrete						
Outer walls	1	40-9	2-6	3-0	306	
Fire place	1	6-7½	2-1½	3-0	42	
Total concrete Cft					348	348
Foundation & basement with Country brick in Chunam.						
Outer walls	1	40-9	1-6	2-0	122	
Fire place	1	7-7½	2-1½	2-0	32	
Steps	1	3-0	2-1½	1-0	6	
Do	1	3-0	1-0	0-6	2	
Total foundation & basement					162	162 Cft
Superstructure with Country brick in Chunam.						
Outer walls	1	40-9	1-1½	8-0	367	
Fire place	1	8-0	2-1½	8-0	136	
Gables	2	10-3	1-1½	1-6	35	
Fire place	2	10-3	2-1½	1-6	65	
Chimney	1	3-3	3-3	1-0	11	
Head	1	3-9	3-3	1-6	18	
Total Superstructure in Cft					632	

E. 120.
50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Deductions						
Door way	1	3-0	1-1½	6-9	23	
Window	1	3-0	1-1½	4-3	14	
					37	
Archway fire place:—						
Rectangular portion	1	5-9	1-1½	2-9	18	
Semicircular portion	1	$\frac{5\frac{3}{4}^2 \times .7854}{2} \times 1\text{-}1\frac{1}{2}$			15	
Below Seal	1	3-6	1-0	1-0	4	
Arch work of fire place	1	$\frac{6\frac{7}{8} \times 3.1416}{2} \times 1\text{-}1\frac{1}{2} \times 1\text{-}1\frac{1}{2}$			14	
Do above doors & Window	2	3-9	1-1½	1-1½	9	
Do below fire place	1	4-3	1-0	0-9	3	
Total deduction cft					100	
Net total of Superstructure in cft						532
Arch Work						
As per above details in deductions in cft						26
Filling in basement.						
Room	1	7-7½	7-7½	1-0	58	
Total filling in cft						58
Teakwood wrought and put up.						
Rafters – large	20	8-3				
Do small	4	4-0				
		181-4	0-2½	0-4	12-6-10	
Wall plates	2	14-6	0-2	0-3	1-2-6	
Ridge piece large	1	11-3	0-3	0-7	1-7-8	
Small	1	1-9	0-3	0-7	0-3-0	
Eave boards	2	15-6	0-¾	0-6"	1-0-0	
Total Woodwork in cft					16-8-0	17 cft
Flooring with 8" sq. bricks on a bed concrete 4" thick and pointed with chunam						
Room	1	7-7½	7-7½	„	58	
Total flooring sqft						58 sft

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Door and Windows						
Batten door 3'×6½' with frames 3"×4½", iron fittings &c Complete	1	2-6	„	6-0	15	
Total Sqft of doors						15
Iron barred batten Window 3'×4' with 3"×4½", Iron fittings &c Complete	1	2-6	„	3-6	9	
Total Sqft of Windows						9
Roofing with flat and pan tiles including teak reepers.						
Front and Rear	2	14-10½	8-4½	„	249	
Total Sqft of Roofing						249
Plastering with Chunam 2 coats & Polished						
Room inside	1	32-0	„	8-0	256	
Gables	2	8-0	„	1-6	24	
Sides & Soffits of arch	1	14-6	1-0	„	15	
Do Do	1	5-0	1-0	„	5	
Sides, Soffits of door	1	19-6	0-9	„	15	
Sides, Soffits & cill of Windows	1	14-0	0-9	„	11	
Exterior of Kitchen	1	45-3	„	8-0	362	
Gables	2	10-3	„	1-9	36	
Chimney all round	1	13-0	„	1-0	13	
Head	1	14-0	„	1-6	21	
Total Plastering sft					758	
Deductions Door way	2×1	3-0	„	6-6	39	
Window	2×1	3-0	„	4-0	24	
Total deduction sft					63	
Net total of Plastering in sqft					695	695

E. 120.
50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Painting to roof timbers with [illegible] wood oil with 2 coats.						
Rafters	1	148-0	1-1	"	160	
Ridge piece	1	13-0	1-8	"	22	
Total painting sqft					182	182
Painting to doors & windows with oak paint 3 coats.						
Batten doors	2¼×1	3-0	"	6-6	44	
Iron barred batten windows	2¾×1	3-0	"	4-0	33	
Exposed rafters	4	8-3	1-1	"	36	
Eave boards	2	15-6	1-0¾	"	33	
Total painting sft					146	146
Fire place to be built of brick in clay and plastered with clay and smeared with Cow dung.	1	6-4½ long			—	6 3/8 Rft.

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5/5/96
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ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		RS.		RS.	RS.
	Quarters.				
2158 Cft.	Excavating foundation	4-10-0	1000 Cft	10	
1833 "	Concrete	14-0-0	100 Cft	257	
918 "	Country bricks in chunam for foundation & basement.	16-8-0	100 Cft.	151	
2785 "	Do Superstructure	18-0-0	"	501	
156 "	Do Segmental archwork	22-0-0	"	34	
968 "	Filling in basement with earth	3-0-0	1000 Cft	3	
689 Sft.	Flooring with 8" Sqre bricks on a bed of concrete 4" thick & pointed with chunam	12-0-0	100 Sft	83	
104 Cft.	Teak wood wrought & put up	3-8-0	Cft.	364	
22 Sqft.	Panelled and Venetianed doors with frames & iron fittings &c complete.	1-1-0	Sft.	23	
67 "	Panelled doors with frames & Iron fittings &c complete	0-14-0	"	59	
12 "	Batten doors with frames single shutter & iron fittings &c complete.	0-12-0	"	9	
93 "	Iron barred Venetian window with frames, hooks hinges & iron fittings &c complete	1-12-0	"	163	
	Carried Over Rs.			1657	

Grand Total of Estimate ..

STATION:
Date ________ 189

Executive Engineer.

(E. No. 123.)

Circle—

Division—

District—

Taluk (or Estate in case of Estate Works.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		RS.		RS.	RS.
	Brought forward			1657	
36 Sq ft.	Fixed Ventilators with galvanized Iron wire netting ¾″ mesh	√0-7-0	Sq ft	16	
1368 ″	Roofing with flat + pan tiles including teak reepers	√14-0-0	100 Sft	192	
5155 ″	Plastering with chunam 2 Coats polished	√2-8-0	″	129	
1284 ″	Painting roof timbers with wood oil 2 Coats	√0-15-0	″	12	
925 946 ″	Painting doors + windows with Oak paint 3 Coats	√2-10-0	″	25	
				2031	
	Contingencies @ 5%		102		
	Petty Supervision @ 2½%		51		
				153	
					2,184
	Carried Over Rupees				2184
	Grand Total of Estimate ..				

Station—
Date— 189

Executive Engineer.

(E. No. 128.)

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		RS.	RS.
	Brought forward				2184 √
	Cook House				
408 Cft	Excavating foundation	√ 4-10-0	Cft. 1000	2 √	
348 "	Concrete	√ 14-0-0	100 Cft	49 √	
162 "	Country brick in chunam for foundation & basement	√ 16-8-0	"	27 √	
532 "	Do Superstructure	√ 18-0-0	"	96 √	
26 "	Do Archwork	√ 22-0-0	"	6 √	
58 "	Filling in basement with earth	√ 3-0-0	Cft 1000	1 √	
58 Sft	Flooring with 8" Sqre bricks on a bed of 4" concrete and pointed with chunam.	√ 12-0-0	100 Sft	7 √	
17 Cft	Teak wood wrought & put up	3-8-0	Cft.	60 √	
15 Sft.	Batten doors with frames and Iron fittings &c complete	0-12-0	Sft.	11 √	
9 Sft.	Iron barred batten windows with frames & iron fittings &c complete.	√ 1-8-0	"	14 √	
249 "	Roofing with flat & pan tiles including teak reepers.	√ 14-0-0	100 Sft	35 √	
695 "	Plastering with 2 Coats chunam polished	√ 2-8-0	"	17 √	
182 "	~~Pale Sage green paint~~ wood oil to roof timbers 2 Coats.	√ 0-15-0	"	2 √	
	Carried Over Rs			327	2184
				Grand Total of Estimate ..	

STATION———————}

Date——————————189}

Executive Engineer.

30,000—15-5-95.

(E. No. 123.)

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		RS.	RS.
	Brought forward			327	2184
146. Sft.	Oak paint to doors and windows 3 coats	2-10-0	Sft. 100	4	
No 1.	Fire place 63/8 Rft to be built of brick in clay and plastered with clay and smeared with cow-dung.	0-8-0	Rft	3	
				334	
	Contingencies @ 5%		17		
	Petty Supervision @ 2½%		9		
				26	
					360
	Note. Rates according to Madras Schedule.				

Grand Total of Estimate .. 2,544

STATION ——— }
Date ——— 189 }

8/10/96

Lt Col R.E.

~~Executive Engineer.~~

Ag Consulting architect to Govt

30,000—15-5-95.

(E. No. 12[illegible])

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work— Light House Keepers quarters with roofing of flat & pantiles.

Amount of Estimate, Rs.— 2,544/-

To be carried out by— P.W.D.

REFERENCES.

13
~~[illegible]~~
1036/97