(1) Number of pages 62

(2) Date of repair 7-7-87

(3) Initials of the Referencer bvm/

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works DEPARTMENT

G.O. No. / B.P. No.	2439-40 W	Press. / Mis.
Dated	31.8.1883	~~198~~ .

Not to be folded or roughly handled.

Archives —1 10,006-9 80

2439-W

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers:—

From Lieutenant-Colonel H. R. MEAD, R.E., Superintending Engineer, Sixth Circle, to the Chief Engineer, Public Works Department, dated Kodaikánal, 15th August 1883, No. 272 T.C.

With reference to your memorandum, No. 279 E., dated 11th August, I have the honor to report that the cause of the delay in the submission of the estimates in connection with the new Native Infantry Lines at Trichinopoly is the delay and difficulty in obtaining copies of the standard plans for the buildings required.

2. The orders of Government are that military buildings are to be designed on the standard plans only, but I regret to say that although applications * have been made, copies of these standard plans have not been supplied as yet.

* No. 989 T.C., dated 31st March 1883.
„ 214 T.C., „ 19th July „

3. If the designs for the buildings are allowed to be made locally, there will be no delay in the submission of the necessary estimates, but if not, of course they cannot be prepared until copies of the standard plans are received.

From Major A. T. FRASER, R.E., Executive Engineer, Trichinopoly Division, to the Superintending Engineer, Sixth Circle, dated 20th August 1883, No. 156 S.E.

I have the honor to report, with reference to your No. 273 T.C., of the 15th instant, that as soon as I received G.O. of the 30th April, No. 1267 W., in your No. 82 T.C. of the 8th May, I had a revised ground plan prepared from the lithographed plan of the lines containing alterations in the accommodation that the Commanding Officer required and block plans of the foundations of the huts to be of assistance in laying out the lines. The services of a subordinate were also occasionally given. The quantities of each description of work in the standard specification for the lines were also taken out and given with the rates to the Commanding Officer as a guide in construction and in substituting cheap locally-procured cocoanut-wood for jungle-wood.

2. There had been a previous call for the probable cost of a "store-room and tent store," which I gave approximately at Rs. 2,600, but could not obtain a copy of the Standard Plan No. 106 of the list.

3. I wrote to your office for one on the 17th March last and a reminder on the 18th July, to which I had a reply that the store-room standard plan was not available, but being reprinted, and that a copy would shortly be sent.

4. On the 24th May I forwarded to the Station Staff Officer a site plan and an estimate on the standard plan of a bell of arms for Native Infantry (the plan that approved by the Government of India, Military Department, in memorandum No. 312, dated 13th July 1871), amounting to Rs. 5,805, for countersignature, and stated that the other estimates, viz., armourer's shop, magazine, and cell, were in preparation.

5. The estimate for the armourer's shop was sent on the 25th of May for Rs. 2,330, and cells and magazine on the 26th June 1883.

6. The Station Staff Officer demurred to these being despatched till all the estimates were ready, but on my giving the reason for not being able to prepare those for the magazine and store-room, the estimates were sent to the Quartermaster-General's Department.

7. In the meantime I telegraphed to Simla for a copy of the standard plan of a magazine; there was, it turned out, only one copy remaining, and I was furnished with a tracing, and prepared and sent the estimate to the Station Staff Officer.

8. On the 16th July the Station Staff Officer enclosed a communication from the Quartermaster-General, Fort St. George (No. 4942 of the 10th July) stating that the bells of arms (on the plan of 1874) was not what was wanted, but a bell of arms combined with a regimental quarter guard with, I suppose, the following accommodation (as in printed revised statement, page 176):—

	FT.	FT.
Eight bells of arms, each		
Quarter guard	$12\frac{1}{2}$	× $12\frac{1}{2}$
Lock-up	48	× 16
Native officer's room	16	× 12
	16	× 10

instead of eight bells and quarter guard.

9. I applied through your office for a copy of this revised standard plan, which, I am informed by Madras G.O., No. 2118 W., of 2nd August 1883, has been written for to the Inspector-General of Military Works.

10. In the meantime I inquired if this plan could be lent by the Executive Engineer, Presidency, who informed me, in a letter dated 10th August 1883, that search had been made and none was forthcoming.

11. Under these circumstances, I would bring to notice the impossibility of preparing estimates for the bells of arms and store-room and tent store till standard plans are obtained.

12. The estimates for the armourer's shop, magazine and cells are in the hands of the Military authorities.

13. I may mention that I made some inquiries if ordinary shaped roofing tiles could be made of Portland cement concrete, and the Manager of Morgan's Cement Works at Madras has taken up the subject and promised to try the experiment. Turning out tiles without having to be burnt would be useful in work done under the circumstances of these lines, but as the feasibility of making them is still uncertain, I will say nothing further at present on this head.

No. 288 T.C.

Copy forwarded to the Chief Engineer, Public Works Department, for information, in continuation of this office No. 272 T.C., dated 15th August. It will be noticed that the delay has been incurred from the non-receipt of the standard plans, and that as soon as they have been received the plans and estimates will be sent in at once.

2. All the plans, &c., with the exception of the bells of arms, quarter guard, lock-up, native officer's room and store-room, for which copies of the standard plans are awaited, have been sent in to the Military authorities.

3. With regard to paragraph 12 of the Executive Engineer's letter, the Superintending Engineer does not consider that the proposal to use Portland cement tiles is likely to be one that would answer the cost of production, and carriage would be far greater than the cost of ordinary tiles, which answer all purposes in a satisfactory manner.

Madura,
25th August 1883. (Signed) H. R. MEAD, Lieut.-Colonel, R.E.,
Superintending Engineer, Sixth Circle.

From Major A. T. FRASER, R.E., Executive Engineer, Trichinopoly Division, to the Superintending Engineer, Sixth Circle, dated 21st August 1883, No. 160 S.E.

In reply to your No. 274 T.C. of the 15th instant, I have the honor to report that the delay in the preparation of plans and estimates for Item No. 28 (Public Buildings for Native Infantry Regiment) of the Military Works Budget for 1883-84 Appendix is explained in my letter, No. 156 S.E., of yesterday's date.

2. An estimate of Rs. 7,000 for Item No. 32, enlarging family quarters for the 30th Regiment, Native Infantry, was sent to the Military authorities on the 1st April 1883, and has not yet been received back countersigned.

3. Plans for Item No. 33, latrines for Native Infantry, were prepared and sent to the Military authorities for approval, and the Deputy Qartermaster-General, writing to the Officer Commanding Trichinopoly on the 9th February 1883, stated that "the question of plan of latrines for Native Troops" is still under consideration, and the plans asked for are detained in connection with this.

No. 300 T.C.

Copy forwarded to the Chief Engineer, Public Works Department, for information, in continuation of this office endorsement, No. 288 T.C., dated 25th instant.

Madura,
27th August 1883. (Signed) H. R. MEAD, Lieut.-Colonel, R.E.,
Superintending Engineer, Sixth Circle.

From Colonel J. J. McLEOD INNES, V.C., R.E., Inspector-General of Military Works, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 18th August 1883, No. 4046.

In reply to your letter, No. 2119 W., dated 2nd August 1883, I have the honor to forward the only two spare copies of the standard plan of bells of arms for a regiment of Native Infantry.

2. There are no copies available in this office of standard plans of magazine and store-room; but Government has been asked for them, and, when received, they will be sent.

Order—dated 31st August 1883, No. 2439 W., Public Works.

The foregoing letter from the Inspector-General of Military Works will be communicated to the Superintending Engineer, Sixth Circle, with reference to G.O., No. 2118 W., dated 2nd August 1883.

2. One copy of the standard plan of "Bells of Arms" will be forwarded to the Superintending Engineer for immediate use. Additional copies will be lithographed and circulated as soon as possible.

3. The Inspector-General of Military Works will be requested to expedite the supply of standard plans of magazine and store-room.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, Sixth Circle, with one Enclosure.
„ Military Department.

Exd. A. F. Goodall.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated August, 31st.

Recd.

Encl.

G.O., 31st Aug. 1883, No. 2439 W.

AUGUST.

"Bells of Arms"

One out of the two copies of the Standard Plan of — for a regiment of Native Infantry, received from the Inspector-General of Military Works, forwarded to the Superintending Engineer, Sixth Circle; and the Inspector-General to be requested to expedite the supply of standard plans of magazine and store-room.

W-989 T.C Supt. Engineer's office, Circle
Tuticorin 4th. 31 March 1883

2439

From

Lt-Col H. R. Mead R.E.
Supt. Engineer, Circle.

To,

Colonel R. H. Sankey C.B.R.E.
Chief Engineer, P.W.D.

Sir,

I have the honor to request you will be good enough to furnish me with 2 copies of the standard Plan for a storeroom for a Regiment of Native Infantry. (Govt. of India P.W.D. Circular No 78 of 1864 - No of standard drawing 106 in the revised list of standard Plans.)

I have the honor to be
Sir
Your most obedient servant.

Lt-Col R.E.
Supt. Engineer, Circle.

From,

The Supt Engineer
6: Circle.

To,

The Chief Engineer
P. W. D.

No 989 T.C.

Dated 31st March/83.

Standard Plan
for a Store Room
for a Regiment
of Native Infantry.

Requests to be
supplied with two
copies of—

J

Public Works Department, 188 8.

2439/4

Current No. 2781

Letter No. 989 T.C.

Dated the 31st March/83

From the Supt Engr 6 Circle

Note of Remarks.

1. No copy of the standard plan asked for by the Supt Engr 6 Circle has been received in this Office from the Government of India

DBH
2/4/83

2. Please refer to the India Circular letter dated 1882 —

CA
Applied for from General Records Dept — S.P.
2/4/83

Will communicate the outlet in revised list of standard plans, when received by

No 1072W Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 11th April 83.

2437/5 Read the following

From

The Supg. Engineer
Trichy Circle } (No. Dis. 987 I.C. 3
31st March 1883.)

Ordered that application be made to the Inspector General of Military Works.

No. 1073 Dated 11th April 83.

To

The Inspector General
of Military Works.

Sir,

I am directed to request that you will be good enough to forward to this Office for

for distribution the usual number of copies of standard plan for a store-room for a regiment of Native Infantry (Govt. of India R.W.D. Circular No. 78 of 1864, Exc. of standard drawing 106 in the revised list forwarded with your letter No. 3493 dated 7th August 1880.)

No 1072 W / 1073 W dy 11-4-83

Entered in the Receipt Register

All communications to be addressed to the Inspector General of Military Works.

No. 1905

From Colonel J. J. Medcod Imes R.E.

INSPECTOR GENERAL OF MILITARY WORKS,

To THE Secretary to the Government of India in the Public Works Department Madras

2439

Simla, 4th May 1883.

Sir,

In reply to your letter No 1073 W. dated 11th April 1883 I have the honor to inform you that there are no copies available of the standard plan of Store room for Native Infantry Regiments but that as soon as the reprint of this plan, which is now in hand, has been completed the usual number of copies will be supplied.-

I have the honor to be,
Sir,
Your most obedt servant

Turner Captain
for Inspector General Fs

Jmc

1072. 3 Wdy 11. 4 83

P.W.C. Nr. 3978.

Rec 11/5/83

No 1412 Wdy 14th May 83.

B

Communicated
to the Deputy Surveyor
South Circle, with
reference to his letter
No 789 D.C. of 31st
March 1883

CJ
11/5

L.S. South Circle ✓
C.S. Scott Lindsay Esq
14/5

Dr 6/5

Accompaniment to P.W.D
Circular No. 38 dated 22nd June 1874.

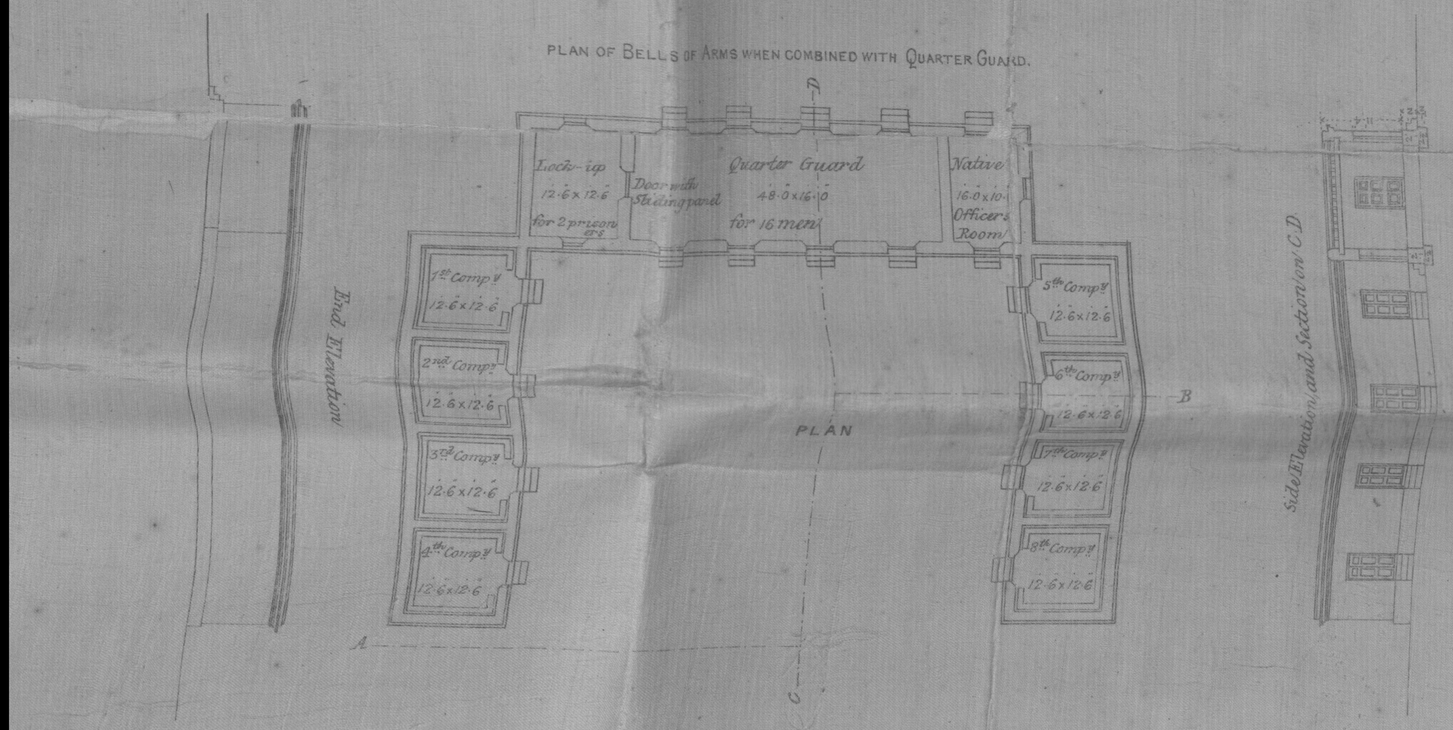
2439/7

STANDARD PLAN
OF
BELLS OF ARMS
FOR A REGT OF NATIVE INFANTRY
SHOWING THE ARRANGEMENT OF ARAM RACKS AND ACCOUTREMENT PEGS
AS APPROVED OF BY HIS EXCELLENCY THE C-IN-C ON THE 6TH JUNE 1874.

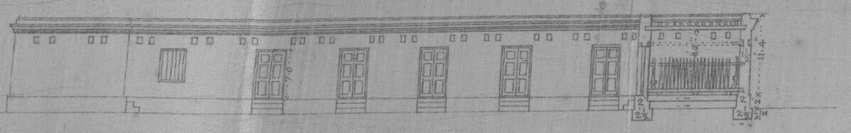
Approved in Military Dep.t
No. 614 (B.s and Buildings)
dated 12th June 1874.

2439/8

PLAN OF BELLS OF ARMS WHEN COMBINED WITH QUARTER GUARD.

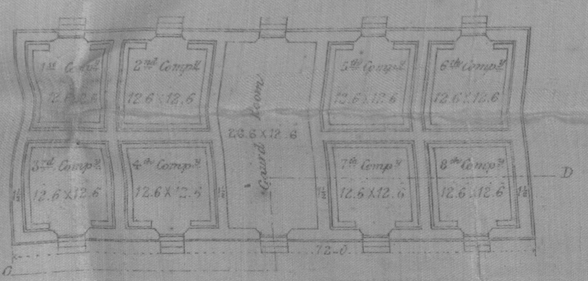


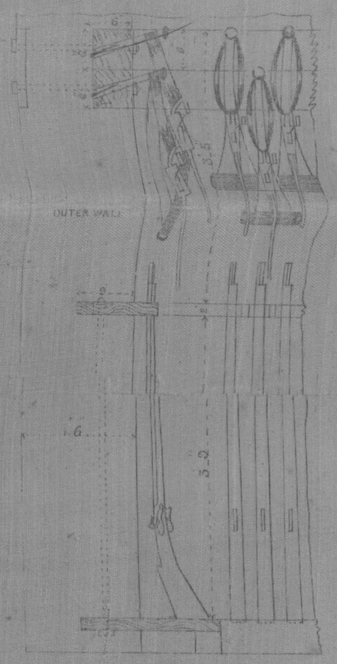
Front Elevation and Section on A B

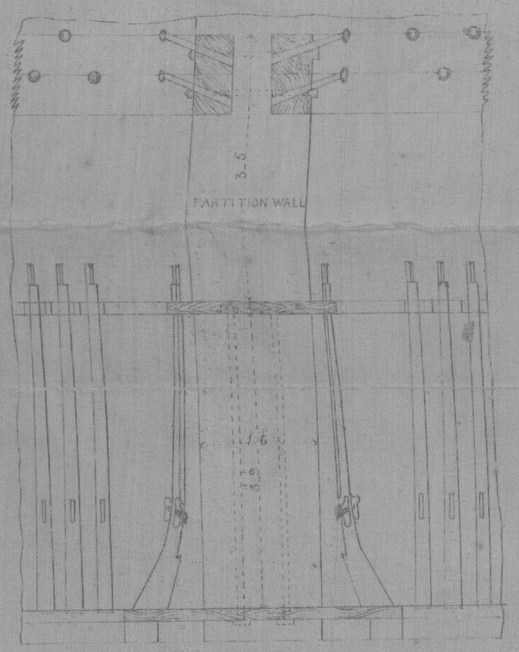


2439/10

PLAN OF BELLS OF ARMS
WHEN COMBINED WITH GUARD ROOM, SUFFICIENT ONLY FOR THE SPECIAL GUARD

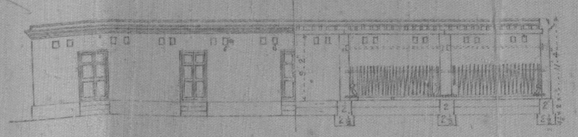






2439/7

Front Elevation and Section on C D.



Scale 15 Feet = 1 inch.
0 5 10 20 30 40 50 60 70 FEET
Scale ¾ inch = 1 Foot
0 1 2 3 4 5 6 FEET

LITH.D BY R. J. BALOREY GOV.T LITH.C PRESS MADRAS CHAPAUL 1883

Sup.t and Manager
Gov.t Litho.c Dep.t Chepauk
Madras ..... September 1883

(Signed) W. A. Gommetin Coll.t R.E.
Dy Sec.y to the Gov.t of India

C. Unwin Maj.r R.E.
Dy Chief Engineer P. W. D.

2489/11

Can

The estimate called for in G.O. No. 1267 of 30 April 1883 has not yet been received. Letter in no late corrs on the subject on record.

"B", note overleaf that no funds are available for the work this year.

Cn
7/8/83

I. W.

There is nothing to show what the E.E is doing under G.O. 1267 of 30/4/83

K.S.M.B.

Ex. Engineer's office, Trichy.
Srirangam, 19th July 1883.

The Executive Engineer
Trichy Circle.

2489/13

The Chief Engineer
P.W.D.

I have the honor to request that I may be supplied with enough to enable me to supply copies of the following Standard Plans published with the Public Works Code opposite to each of which I have entered the number of the Standard Plan which may have been issued

	No. of Standard drawing	Govt. of India P.W.D. circular No.	Year.
Regiment of Infantry	104	M.B. 38	1874
Infantry & Cavalry	105	77	1864
Regiment of Infantry	106	78	1864

S.A.W. S.O.W.

I see that Estimates were called for in G.O. 1267 W.D./30 April/83. but there is nothing further on record here. How does the matter stand as regards.

(a) Estimates.
(b) Funds.

C.S.
7.8

B

Estimates called for in Sp. Ins 1267 W.D. 30.4.83. have not yet been submitted - Please note on the return of funds.

Ch
9/8

S.A.W.

The work is not entered in Current years budget - nor is it possible to provide funds from the limited grant.

Inspr Gen
9/8

C.-in.-C. 7125.

Office of Inspr. Engineer's office, Circle. Secunderabad. 19 July 1883.

From Superintending Engineer 6 Circle.

To Chief Engineer P. W. D.

2439/13

2439/12

I have the honor to request that funds may be placed at my disposal enough to enable me to supply copies of the following Standard Plans published with the Government Order noted opposite to each, should any of the Standard plans of the Standard Regiments may have been altered

	No. of standard drawing	Govt. of India P.W.D. Circular No.	Year
Regiment of Infantry	104	M.B. 38	1874
Regt. Infantry & Cavalry	105	77	1864
Regiment of Infantry	106	78	1864.

I

Lo W

Reply submitted. It will be seen that the cause of delay is the want of Standard Plans which the I. G. of Military Works has been asked to supply.

C.S.
22/8

C. & W.

Returned as bills are here returned

22/8

C.A.M.

Call on the S.E. please he can't attend & in the meanwhile attend to this

11.8.83

J.W.

Memo written

C.S.

11.8.

No 214 T.C.

Supt. Engineers office Circle.
Trichinopoly. 19 July 1883.

From.

The Superintending Engineer
6 Circle.

2489/13

To.

The Chief Engineer
P. W. D.

Sir,

I have the honor to request that you will be good enough to supply me with three copies of the following Standard plans published with the Circular marked opposite to each or any revised plans of the Standard buildings that may have been issued later.

	No of Standard drawing	Govt of India P.W.D. Circular No	year.
Bell of Arms for a Regiment of Native Infantry	104	M.B. 38	1874
Magazine for Native Infantry & Native Cavalry	105	77	1864
Store room for a Regiment of Native Infantry	106	78	1864

J

I have the honor to be
Sir
your most obedient servant.

W. Mein 2 Dec 1876

Supt. Engineer, Bicycle.

2439
14

P.W.C. No. 6176

From

The Supdt. Engineer
6 Circle.

To

The Chief Engineer
R.O.

No 214 T.C.
Dated 19
Rec. 23 July 1883.

Rs No 2118 / 2119 W dt 2-8-83

Standard Plans:—

Requests to supply certain —

No 2118 W PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 2nd August 83

READ the following

From

The Supt. Engineer
6th Circle

(No. dtd. 214 T.C. dt 19th July 1883.)

2453/15

Ordered that application be made to the Inspector General of Military Works.

No. dtd. 2119 W dt 2nd August

To The Inspector General of Military Works

Sir,

I am directed to request that the usual number of copies of the following standard plans published with the Circular marked opposite to each, or any

Copy
3/8
S.E. South Circle

any later revised designs of the same may be forwarded to this Department for distribution.

	No. of standard drawing	Ord. Dept. U.S.A. Circular No.	Year
Bell of Arms for a regiment of Mounted Infantry	104	M.B. 38	1874
Magazine for Mounted Infantry & Mounted Cavalry	105	77	1864
Store rooms for a regiment of Mounted Infantry	106	78	1864

Cy

Cy

3/8/83

3/17

No. 2118 2119 Wdy 2-8-83

Wdy. 8

Sec'y 3/10

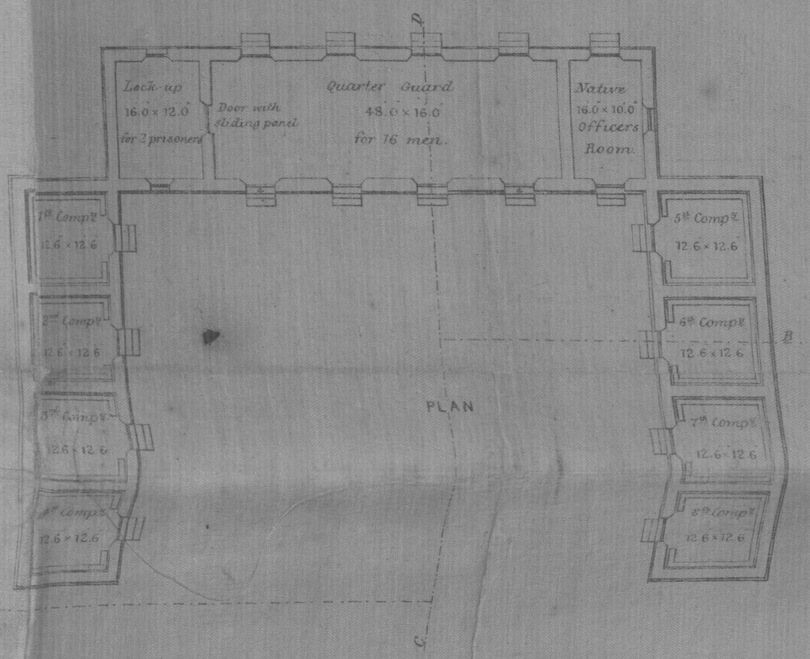
Ord. Dept. Record Copy

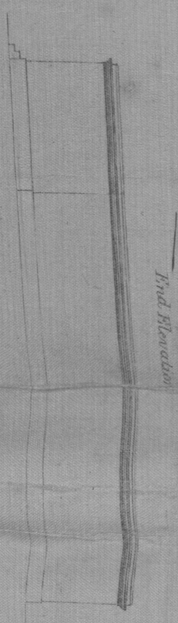
Accompaniment to P.W.D
Circular N.o 38 dated 22nd June 1874.

STANDARD PLAN
OF
BELLS OF ARMS
FOR A REGT OF NATIVE INFANTRY
SHEWING THE ARRANGEMENT OF ARM RACKS AND ACCOUTREMENT PEGS
As approved of by His Excellency the C in C. on the 6th June 1874

Approved in Military Dep.t
N.o 644 (B.ks and Buildings)
dated 12th June 1874.

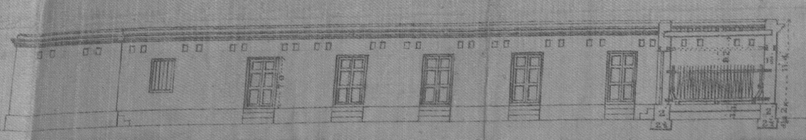
PLAN OF BELLS OF ARMS WHEN COMBINED WITH QUARTER GUARD.

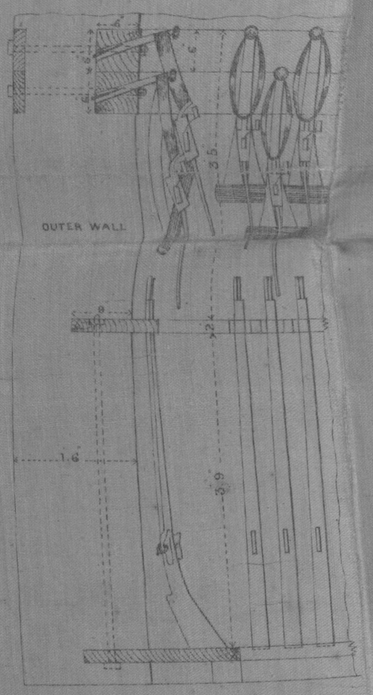




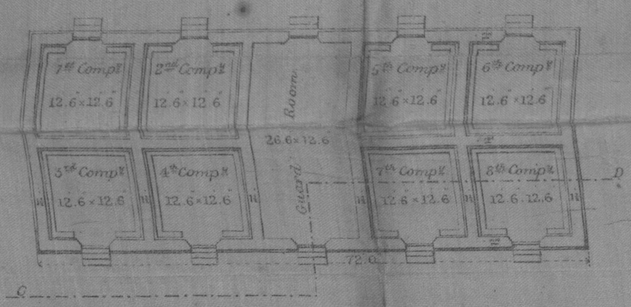


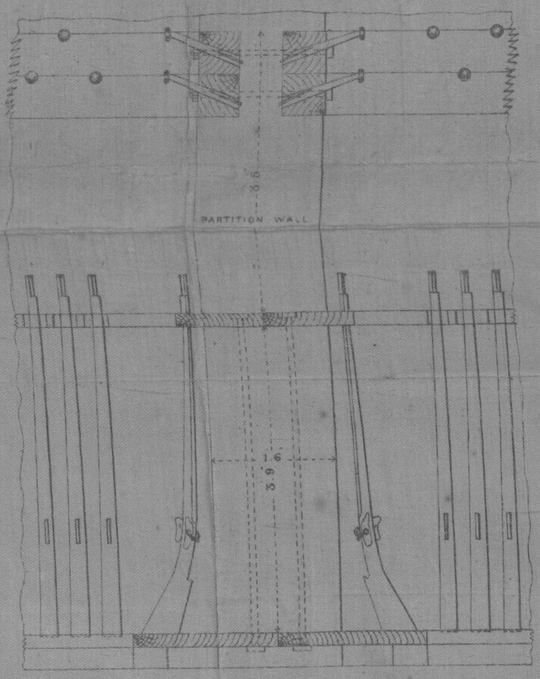
Front Elevation, and Section on A.B.



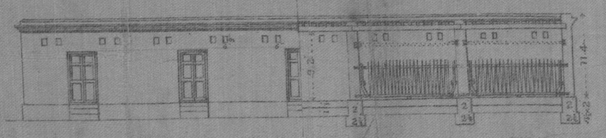


PLAN OF BELLS OF ARMS
WHEN COMBINED WITH GUARD ROOM, SUFFICIENT ONLY FOR THEIR SPECIAL GUARD.





Front Elevation, and Section on C.D.



Scale 15 Feet = 1 inch.

Scale ¾ inch = 1 Foot

(Sd) W. A. Crommelin Col.t R.E.
Dy Secy to the Govt of India

Trsn. Gopal C Mullick.

LITHs AT THE P.W.D. SECRETARIAT, GOVT OF INDIA

8.7.74

9439
Ivy 9/18

Surface 1st bucket 10
" 2nd 6
" 3rd 6
" 4 " 12
" 5 " 19
" 6 " 17
Muley depth 31

Dew
10/18

PW Department

No 279 E
~~No E~~

Dated Ootacamund
11th August 83

Memorandum 24/39/19

The Superintending Engineer Sixth Circle is requested to report as soon as possible the action taken on G O 1267/67 dated 30th April 1883, in connection with the Native Infantry Lines at Trichinopoly; when the plans and estimates called for will be submitted and the cause of delay

Sd/ R H Sankey Major Genl RE
Chief Engineer PW Dept

To
The Supty Engineer Sixth Circle
recd 11/8.

No. 272 T.C. Supt. Engineer's office. Cuddalore.
Kodaikanal. 15th August 1883.

From

The Superintending Engineer
6 circle.

To.

24939/20

The Chief Engineer
P. W. D.

Sir,

Encls:— With reference to your memo No. 279 E dated 11th August. I have the honor to report that the cause of the delay in the submission of the estimates in connection with the new Infantry Lines at Trichinopoly is the delay and difficulty in obtaining copies of the standard Plans for the buildings required.

From the Cudda' Sd. Engr 18/8/83

2. The orders of Govt are that military buildings are to be designed on the standard Plans only but I regret to say that although applications have been made copies of these standard plans have not been supplied as yet.

No 989 T.C. dated 31st March 1883 & No. 2113 T.C. 7 1st July 1883.

3. If the designs for the buildings

are allowed to be made locally there will be no delay in the submission of the necessary estimates but if not of course they cannot be prepared until copies of the standard plans are received.

I have the honor to be

Sir

your most obedient servant.

W. Reed Lieut 1st U.S.

Asst. Engineer, Buffalo.

2439
21.

B. 1072-3 W 11-4-83
- 4412 W 14-8-83
- 2118-9 W 2-8-83.
1279 Ed / 11-8-83

Rb Cn: 7125

From.

The Supg Engineer
-6: Circle

To,

The Chief Engineer
P. W. D

No: 272 T.C

Dated 15: August 83.
Rec'd 20

Native Infantry
Lines at Trichinopoly

explains the cause
of delay in submitting
Estimates for con-
structing new —

Trichinopoly Fort Office 22
No: 156.S.C. 20: August 1883 —

From
The Executive Engineer 2d
Trichinopoly Div:

To.
The Superintending Engineer
VI. Circle Trichinopoly.

Sir,

I have the honor to report with reference to your No: 273 T.C. of the 15 Instant that as soon as I received Good Order of the 30: April No: 1267 W in your No: 82 T.C of the 8: May, I had a revised ground Plan prepared from the lithographed plan of the lines containing alterations in the accommodation that the Commanding Officer required and block plans of the foundations of the huts to be of assistance in laying out the lines. The levels of a subordinate were also occasionally given. The quantities of each description of work in the Standard Specification for the lines were also taken

out and given with the rates to the Commanding Officer as a guide in construction and in substituting cheap locally procured Cocoanut wood for jungle wood.

2. There had been a previous call for the probable cost of a "Store Room and tent store" which I gave approximately at Rs. 2600, but could not obtain a copy of the Standard Plan No 106 of the list.

3. I wrote by next Office for one on the 17th March last and a reminder on the 18th July to which I had a reply that the Store room Standard plan was not available, but being reprinted and that a copy would shortly be sent.

4. On the 24th May I forwarded to the Station Staff Officer a site Plan and an Estimate on the Standard plan of a Bell of Arms for R.I. (the plan that approved by the Govt

of India Military department in Memo No. 312 13-7-71) amounting to Rs 5805, for countersignature, and stated that the other estimates viz Armourers Shop, Magazine, and Cell were in pre-paration. 2439/23

5. The Estimate for the Armourers Shop was sent on the 25th of May for Rs. 2330, and Cells and magazine on the 26th June 1883.

6. The Station Staff Officer demurred to these being despatched till all the estimates were ready, but on my giving the reason for not being able to pre-pare them for the magazine and Store room, the Estimates were sent to the Quarter Masters General's Department.

7. In the meantime I telegraphed to Simla for a copy of the Standard plan of a Magazine, there was, it turned out, only one copy remaining, and

been furnished with a tracing, and prepared and sent the Estimate to the Station Staff Officer.

8. On the 16th July, the Station Staff Officer enclosed a communication from the Quarter Master General, Fort St George (No. 4942 of the 16th July) stating that the Bells of Arms (on the plan of 1874) was not what was wanted, but a Bell of Arms combined with a Regimental Quarter Guard with, I suppose, the following accommodation (as in Printed Revised Statement p 176)

8 Bells of Arms each . $12\frac{1}{2} \times 12\frac{1}{2}$

Quarter Guard + 48×16

Lock up . $\times 16 \times 12$

Native Officers room — 16×10.

instead of 8 Bells and Quarter Guard

9. I applied through your Office for a copy of this revised Standard plan, which, I am informed by

Madras Government Order No. 211875 of 2nd August 1883, has been written for to the Inspector General of Military Works.

24/39/24

10. In the meantime I enquired if this plan could be lent by the Executive Engineer Presidency, who informed me in a letter dated 10th Augt 1883 that search had been made and none was forthcoming

11. Under these circumstances I would bring to notice the impossibility of preparing Estimates for the Bells of Arms and Store room and Lock Store till Standard plans are obtained.

12. The Estimates for the Armoured Mosp, Magazine and Cells, are in the hands of the Military authorities.

13. I may mention that I made some enquiries if ordinary shaped

roofing tiles could be made of Port-
-land Cement concrete, and the
Manager of Morgans Cement works
at Madras has taken up the
subject, and promised to try the
experiment.- Turning out tiles with-
-out having to bee burnt would be
useful in work done under the
circumstances of these lines, but
as the feasibility of making them
is still uncertain, I will say nothing
further at present on this head.

I have &c

/sd/ A. T. Fraser Major
Executive Engineer

No 288 T.C

Copy forwarded to the Chief Engineer P.W.D. for information in continuation of this office No 272 T.C. dated 15 August. It will be noticed that the delay has been occasioned from the non. receipt of the

8 of 6

standard plans 2439/25 and that as soon as they have been received the plans & estimates will be sent in at once.

2. All the plans &c with the exception of the Bells of Arms, Quarter Guard Lock up, Native officers room and store rooms for which copies of the standard plans are awaited, have been sent in to the Military authorities.

3. With regard to para 12 of the Executive Engineers letter, the Superintending Engineer does not consider that the proposal to use Portland Cement tiles is likely to be one that would answer the cost of production and carriage would be far greater than the cost of ordinary tiles which answer all purposes in a satisfactory manner.

Madura
25 August 1883.

Yours &c
/sd/
Supdg Engineer, Circle.

P.W.O. 7448

From.

The Supt. Engineer
6th Circle

To.

The Chief Engineer
P. W. D.

No. 288 T.C.

Dated 25th August/83.

Native Infantry
Lines at Trichinopoly

Explaining the delay in the submission of Estimates for the —

Trichinopoly Dn. Office.
24th August/83.

No. 160 S.E.

2439/26

From

The Executive Engineer
Trichinopoly Dn.

To

The Superintending Engineer
6th Circle.

Sir,

In reply to your No. 274 T.C. of the 15th instant, I have the honor to report that the delay in the preparation of plans and Estimates for item No. 28 (Public Buildings for Native Infantry Regiment) of the Military works Budget for 1883/84 appendix is explained in my letter No. 156 of yesterdays date.

2. An estimate of Rs 7000 for item No. 32 enlarging Family Quarters for the 30th Regiment N.I was sent to the Military authorities on the 1st April/83 and has not yet been received back countersigned.

3. Plans for item No. 33 Latrines for N.I were prepared and sent to the Military authorities for approval and the Dy Quarter Master General writing

to the officer commanding Fiddimoplx
on the 9th February 183. stated that the
question of plan of latrines for latrine
Trenches is still under consideration
and the plans asked for are detained
in connection with this.

I have &c.

Signed A. T. Fraser Major RE
Executive Engineer.

No. 300 T.C.

9 6

Copy forwarded to the Chief
Engineer P.D.S. for information in
Confirmation of this office Endt No 288 T.C
dated 25 Inst.

Lieut Col RE
Supt Engineer, 6 Circle

Madras
27 August 1838

2439/27

A.C.O. 7449

From,

The Supt Engineer
6: Circle

To, The Chief Engineer
P. W D

No: 300 T.C

Dated 27: August/83.
Rec'd 30 ——

Native Infantry
Lines at Trichinopoly

Forwards for information copy of letter from the Executive Engineer Trichinopoly explaining the delay in the submission of estimates for the new

89

All communications to be addressed to the Inspector General of Military Works.

No. 4046. 2439/28

FROM Colonel J. J. de Lod Jones R.E. C.E.

INSPECTOR GENERAL OF MILITARY WORKS,

To THE Secretary to the Government of Madras
Public Works Department,
Madras.

SIMLA, 18th August 1883.

Sir,

In reply to your letter No. 2119. W. dated 2nd August 1883, I have the honor to forward the only two spare copies of the Standard plan of Bells of Arms for a Regiment of Native Infantry.—

1. There are no copies available, in this office, of standard plans of magazine and storeroom; but Government has been asked for them, and, when received, they will be sent.—

I have the honor to be,
Sir,
Your most Obedt Servant,
J. Turner Captain, R.E.
For Inspector General of Mr. Works

B 1072-3 W 11-4-83
1412 W 14-5-83
2118-9 W 2-8-83

P.W.C. No. 7325

Rec'd 27/8/83
Entered (11C)

Dft to Govt
for perusal

Rs 2439 W

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 31st August 1883

2439/29

READ the following

From the S.E. Circle No 2727 E.C. 15th Augt 83
— do — — 2887 E.C. 25th —
— do — — 3007 E.C. 27th —
From the Superintending Engr of Mig Works — 4046 E.C. 18th —

P.10 The foregoing letter from the Superintending Engr of Mig Works will be communicated to the Subdl Engr 6th Circle with reference to Govt. No 2118 W dated 2 August 1883.

2. The copy of the Seal of arms" Standard blue will be forwarded to the Subdl Engr for the records

moderate case - Additional
copies will be litho=
graphed & circulated
as soon as possible.

3. The Director Genl
of Ord[nance] Works will
be requested to Con=
stitute the supply of
Standard plans for
magazine & store room -

Dem
5/9

H[ead] Q[uarters] 21,600 31st Aug[ust] 83

B/
To the Director Genl of Ord[nance]
Works

Sir,

I am directed to acknowledge
the receipt of two copies
of Standard plan of a
Belt of Arms for a
Regt of Mounted Infy
forwarded with
your letter No 4026

To the S.E. District Circle
with 1 copy
& Mily Dist

(Standard plan to
be lithographed) Dem

12

By 18th August 1883, I
am directed to request that
the Standard plans
of magazine & Store room
referred to in your
2439/30 Para 2 are urgently
required in Con=
nection with various
Infantry Lines now
under construction
at Dundonald, &
I request that you
will be good enough
to expedite their
supply.

CV
30/8

Dem
5/8

7 C
A 3709 w 27 12 83

24 39
31

7448
7449
7325

Govt. of [1883] Madras.

PUBLIC WORKS.

Sworn

Dated

Encl.

G. O. 31st August 1883. No. 2437

2470

B No 2440 W

Nos.

"

Bells of arms "

Rec'd out of the two Copies of the Standard plans of for a regiment of Native Infantry received from the Inspector Genl of Ordnance Stores forwarded to the Supdg Engr Sixth Circle & the Inspector Genl of Ordnance requested to expedite the supply of Standard plans required for store-room

"Bells of arms"

Acknowledging the receipt of ... for a regiment of Native Infantry & requesting to expedite the supply of standard plans of magazine ...

...ted in Audit Register