Public Works (1898) Department.

G.O., No. 2643 W

DATED 12th October 1898.

770 D

[Despatch Abstract.]

Standard Designs

Circulating to Officers of the Department for guidance the ——— Memorandum of Instructions, Approved by Govt, for Cells for Carrying out Sentences of Separate or Solitary Confinement in Jails

Circulated to Officers of the Department for guidance

Indexed.

[P. W. 36.
1,000—12-2-98.]

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1898} of Madras.

PUBLIC WORKS.

Recd. } 1898. *Enclosures*

Regd. *Spare copies*

G.O., No. 2643 W., 12th October 1898.

OCTOBER.

Standard Designs

Circulating to officers of the department for guidance the — for cells for carrying out sentences of separate or solitary confinement in jails.

BACK PAPERS.

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

FURTHER PAPERS.

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

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

G.O., No. 1445, Judicial, dated 16th September 1898.

Read—the following papers :—

From the Inspector-General of Prisons, dated 23rd May 1898, No. 2536.
From the same Officer, dated 30th July 1898, No. 4169.

ENCLOSURE.

SPECIFICATION.

Each cell measures $8\frac{1}{2} \times 12$ feet having a superficial area of 102 feet and a cubical area of 1,031 feet.

The roof of the cell is domed with a rise of 2 feet, the thickness of the arch being 9 inches. The arch will have 6 inches thick of concrete over it and plastered with two coats of chunam.

Provision has been made for a verandah 7 feet wide, covered with Calicut or Mangalore tiles.

The inner walls of the cell will be plastered with two coats of chunam, all the exposed walls being pointed with surki.

The floor of the cell is made of cement concrete 3 inches thick laid over a bed of ordinary concrete 6 inches thick ; cement concrete will consist of clinker jelly broken into half inch cubes mixed with cement mortar, composed of 1 cement to 2 sand ; the proportion of jelly to be 3 parts to 1 of mortar.

Each cell will have an iron door 3×6 fitted in stone frame as per detail drawing attached ; each cell will be provided with two ventilators—one in the rear wall $8\frac{1}{2}$ feet above the floor level with dimension of $3 \times 1\frac{1}{2}$ feet with sunshade ; and the other at the floor $2 \times \frac{1}{2}$, both of them being provided with iron gratings. In addition to this, there will also be a wooden sliding door half batten and half fixed venetian fitted with two small iron wheels (3″ diar.) at bottom, so that the door may run freely on the iron rail $3'' \times \frac{1}{2}''$ fixed by means of bolts to stone buried in the floor (*vide* detailed drawing in sheet No. 1-*a*). The door will easily slide on both sides. If the cell is required for solitary confinement, the shutter must be slided against the iron door.

Abstract for Solitary Cells.

Quantities.	Descriptions.	Rate.	Per.	Amount.
				Rs. A. P.
967 c.ft.	Excavating foundation		1,000 c.ft.	
765 c.ft.	Concrete work with stone jelly		100 c.ft.	
320 c.ft.	Concrete work to the roof with brick jelly		100 c.ft.	
500 c.ft.	Foundation and basement T.M. brick in chunam		100 c.ft.	
1,460 c.ft.	Superstructure with T.M. bricks in chunam		100 c.ft.	
37 c.ft.	Arch work do. do.		100 c.ft.	
208 c.ft.	Segmental arches do. do.		100 c.ft.	
76 r.ft.	Cornice work		100 c.ft.	
1,426 s.ft.	Pointing with surki		1 r.ft.	
1,334 s ft.	Plastering two coats of chunam		100 s.ft.	
4 c.ft.	Cutstone work to pillar plate		100 s.ft.	
23 c.ft.	Cutstone work frames		1 c.ft.	
36 s.ft.	Iron doors with pintle and bolts		1 c.ft.	
9 s.ft.	Ventilators		1 s.ft.	
2 s.ft.	Ventilators at floor, including shutters		1 s.ft.	
23 c.ft.	Woodwork to verandah		1 s.ft.	
2	Weather boards		1 c.ft.	
242 s.ft.	Roofing with teak reapers and Mangalore tiles to verandah		each.	
309 s.ft.	Flooring with ordinary concrete 6″ over which 3″ of cement concrete		100 s.ft.	
138 s.ft.	Wood oiling, two coats		100 s.ft.	
246 s.ft.	Painting silicate, two coats		100 s.ft.	
62 s.ft.	Sliding door $\frac{1}{2}$ batten and $\frac{1}{2}$ fixed venetian, complete with iron fittings		100 s.ft.	
156 lb.	Iron work		1 s.ft.	
16 r.ft.	Zinc spouts		1 lb.	
..	Sundries		1 r.ft.	
..	Superintendence		....	
			....	

Detail Estimate for Solitary Cells.

Description of work.	Number.	Measurements. Length.	Breadth.	Depth.	Cubical contents.
		FT. IN.	FT. IN.	FT. IN.	
Excavating foundation—					
Front and rear walls	2	23 8	3 3	2 6	384·58
End walls	2	10 3	3 8	2 6	187·92
Cross wall	1	10 3	3 0	2 6	76·87
Verandah front wall	1	23 8	3 3	2 6	192·29
Verandah side walls	2	3 9	3 3	2 6	60·94
Steps	1	21 6	2 0	1 6	64·50
Total C. ft.	..	..	..	..	967·10
Concrete work with stone jelly—					
Front and rear walls	2	23 8	3 3	2 0	307·66
End walls	2	10 3	3 8	2 0	150·33
Cross wall	1	10 3	3 0	2 0	61·50
Verandah front wall	1	23 8	3 3	2 0	153·83
Verandah side walls	2	3 9	3 3	2 0	48·75
Steps	1	21 6	2 0	1 0	43·00
Total C. ft.	..	..	..	..	765·07
Concrete work to the roof with brick jelly—		Area.			
Between spandrils	2	0 7		13 6	189·00
Over the arches	1	19 $4\frac{1}{2}$	13 6	0 6	130·78
Total C. ft.	..	..	..	..	319·78
Foundation T.M. brick in chunam—					
Front and rear walls	2	22 $7\frac{1}{2}$	2 3	0 6	50·91
End walls	2	11 3	2 $7\frac{1}{2}$	0 6	29·53
Cross wall	1	11 3	1 $10\frac{1}{2}$	0 6	10·55
Verandah front wall	1	22 $7\frac{1}{2}$	2 3	0 6	25·45
Verandah end walls	2	4 9	2 3	0 6	10·68
Steps	1	21 3	2 0	0 6	21·25
Basement—					
Front and rear walls	2	22 3	1 $10\frac{1}{2}$	1 6	125·16
End walls	2	11 $7\frac{1}{2}$	2 3	1 6	78·47
Cross wall	1	11 $7\frac{1}{2}$	1 6	1 6	26·16
Verandah front wall	1	22 3	1 $10\frac{1}{2}$	1 6	62·58
Verandah side walls	2	5 $1\frac{1}{2}$	1 $10\frac{1}{2}$	1 6	28·83
Steps	1	20 3	2 0	0 9	30·37
Total C. ft.	..	..	..	..	499·94
Superstructure—					
Front and rear walls up to springing line	2	21 $10\frac{1}{2}$	1 6	10 0	656·25
Front and rear walls above	2	21 $10\frac{1}{2}$	0 9	3 3	106·64
End walls up to springing line	2	12 0	1 $10\frac{1}{2}$	10 0	450·00
End walls above	2	12 0	1 3	3 3	97·50
Cross wall, including skew back	1	12 0	1 $1\frac{1}{2}$	10 6	141·75
Parapet wall	1	67 9	1 $1\frac{1}{2}$	0 9	57·16
Pillars	3	1 6	1 6	6 $7\frac{1}{2}$	44·72
		Area.			
Segmental portions	4	11·50		0 9	34·50
Sides of ventilators	4	0 6	1 6	0 6	1·50
Total C. ft.	..	..	..	..	1,590·02
Deductions—					
Ventilator stones	2	3 0	1 6	1 6	13·50
Doorways	2	3 6	1 6	6 3	65·62
Ventilators	2	3 0	1 6	1 6	13·50
Flat archwork over doors	2	4 3	1 6	1 6	19·12
Flat archwork over ventilators	2	4 0	1 6	1 6	18·00
Total deductions	..	..	..	..	129·74
Total Superstructure *less* deductions	..	..	..	..	1,460·28
Total Archwork as per above deductions	..	..	..	..	37·12
Segmental arches—					
Roof	2	10 3	13 6	0 9	207·56
Cornice work	1		76 R.ft.		76·00

Detail Estimate for Solitary Cells—cont.

Description of work.	Number.	Measurements. Length.	Breadth.	Depth.	Cubical contents.
		FT. IN.	FT. IN.	FT. IN.	
Pointing with surki—					
Outer wall including cornice					
Top and sides of parapet	1	73 9	..	14 0	1,032·50
Pillars	1	70 9	..	1 6	106·12
Steps	3	6 0	..	6 7½	119·25
Ends of steps	1	20 10½	..	2 0	41·75
Spaces between pillars and sides	2	2 0	..	0 6	2·00
Basement all round	1	28 4½	..	0 9	21·28
Sides of doors	1	89 3	..	1 6	133·87
Sides of ventilators	2	16 0	..	0 4½	12·00
	2	9 0	..	0 8	12·00
Total Sq. ft.	..	..	..	..	1,480·77
Deductions—					
Doors	2	3 6	..	6 3	43·75
Ventilators	2	3 0	..	1 6	9·00
Ground ventilators	2	2 0	..	0 6	2·00
Total deductions	..	..	..	..	54·75
Total Pointing *less* deductions Sq.ft.	..	..	..	..	1,426·02
Plastering—					
Cells, inner wall	2	41 0	..	10 0	820·00
Intrados of arches	2	9 10	12 0	..	236·00
		Area			
Segmental portions	2	11·50		..	23·00
Parapet inner side	1	67 9	..	0 9	50·81
Top of terrace	1	19 4½	12 0	..	232·50
Sides of doors	2	16 0	..	0 6	16·00
Sides of ventilators	2	9 0	..	0 9	13·50
Total Sq.ft.	..	..	..	..	1,391·81
Deductions—					
Doorways	2	3 6	..	6 3	43·75
Ventilators	2	3 0	..	1 6	9·00
Ground ventilators	2	2 0	..	1 3	5·00
Total deductions	..	..	..	..	57·75
Total Plastering *less* deductions Sq.ft.	..	..	..	..	1,334·06
Cutstone work—					
Pillar caps	3	1 6	1 6	0 4½	2·53
Stones under sliding door to fix the iron bar	4	1 0	0 6	0 6	1·00
Total C.ft.	..	..	..	..	3·53
Door frames	2	23 0	0 6	0 6	11·50
Locking arrangement stones	2	1 6	1 4	0 7½	2·50
Ventilator stones	4	3 0	1 6	0 6	9·00
Total C.ft.	..	..	..	..	23·00
Doors—					
Iron doors with pintle and bolts	2	3 0	..	6 0	36·00
Ventilators	2	3 0	..	1 6	9·00
Ventilators at floor including shutters	2	2 0	..	0 6	2·00
Woodwork to verandah—					
Rafters	10	11 6	0 2	0 6	9·58
Wall plate	1	22 0	0 3	0 4	1·83
Bressummers including scarfing	1	23 0	0 5	0 8	6·39
Eave-boards	1	22 0	0 9	0 1	1·37
Beam over sliding door	1	23 0	0 4	0 6	3·83
Total C.ft.	..	..	..	..	23·00
Weather boards	2	..	..	..	2
Roofing with teak reapers and Mangalore tiles to verandah	1	22 0	11 0	..	242·00
Flooring with ordinary concrete 6" over which 3" of cement concrete	2	12 0	8 6	..	204·00
Verandah	1	19 0	5 6	..	104·50
Total Sq.ft.	..	..	..	..	308·50

Detail Estimate for Solitary Cells—cont.

Description of work.	Number.	Measurements. Length.	Breadth.	Depth.	Cubical contents.
		FT. IN.	FT. IN.	FT. IN.	
Wood-oiling—					
Rafters	10	8 6	1 2	..	99·17
Bressummer	1	22 0	1 9	..	38·50
Total Sq.ft.	..	..	..	..	137·67
Painting, silicate—					
Iron doors	2	3 0	..	6 0	36·00
Sliding doors	2 × 2	4 6	..	6 10	123·00
Beam over sliding door	1	22 0	1 2	..	25·67
Ends of rafters	10	1 6	1 2	..	17 50
Eave-boards	1	22 0	..	0 9	16·50
Weather boards	2	3 6	2 6	..	17·50
Ground ventilator shutters	2	2 2	2 4	..	10·11
Total Sq.ft.	..	..	..	..	246·28
Siding door, ½ batten and ½ fixed venetian, complete with iron fittings	2	4 6	..	6 10	61·50
Iron work—					
	LB.				
Bolts, 1" diameter R.ft.	2·62 6	2	1"diameter.		31·44
Heads and nuts each	1·10 12	..	..	..	13·20
Washers Sq. ft.	5 6	0 6	0 6	0 ⅛	1·00
Do. Sq. ft.	5 6	0 4	0 4	0 ⅛	1·00
Iron rail under sliding door R.ft.	5 1	20 0	0 3	0 1½	100 00
Total lb.	..	..	..	..	155·64
Zinc spouts	1	15′ 6″ R.ft.			15·50

Endorsement of the Public Works Department, Nos. 590 D. and 769 D., dated 6th July and 8th August 1898, respectively.

Order—No. 1445, Judicial, dated 16th September 1898.

The drawings and specifications submitted by the Inspector-General of Prisons, are approved as standard designs and will be transferred to the Public Works Department.

(True Extract.)

(Signed) F. J. WILSON,
for Chief Secretary.

ORDER—No. 2643 W., dated 12th October 1898.

The drawings and specifications will be circulated to officers of the Public Wokrs Department, for guidance.

(True Extract.)

(Signed) W. B. DEWINTON,
Secretary to Government.

To Superintending Engineers.
„ the Consulting Architect to Government.
„ the Judicial Department.

Exd. T. K. Narayana Aiyangar.

DEPARTMENT

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following.

Print with drawings as usual

Pres. Govt. Depart. No. 1445 of 16. 9. 98

No: 2643 W of 12-10-98

The drawings and specifications will be circulated to officers of the P. W. dept. for guidance.

AGK
4. 10. 98.

7-10-98

Note. The drawings should be sent to the Surveyor in the usual way lithographed on the scale for types.

AGK
4. 10. 98

Supply copies to C.A. to Govt. Revl. Dept.

3/11/98

21/12/99

T. Will you please have this done. 15/10/98

Memo. sent separately to Survey Office

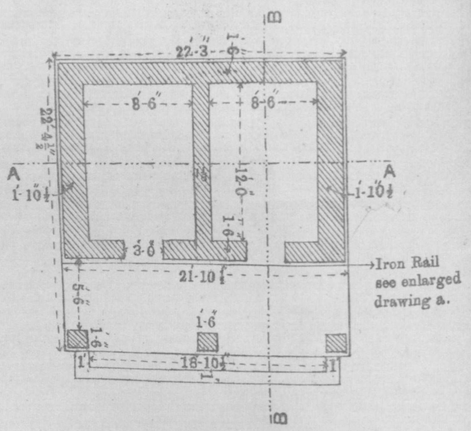
P. W. 40
1000—26-11-97.

SOLITARY CELL

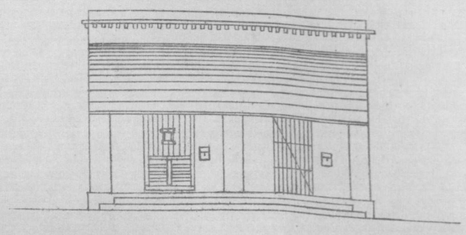
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Feet 10 5 0 10 20 30 40 Ft.

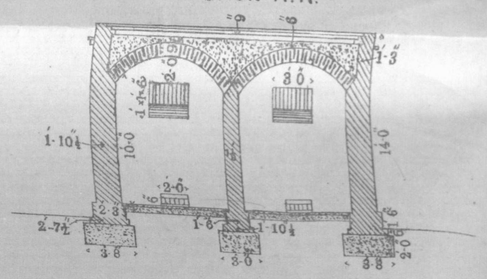
PLAN



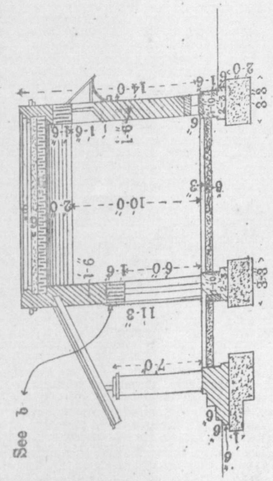
ELEVATION



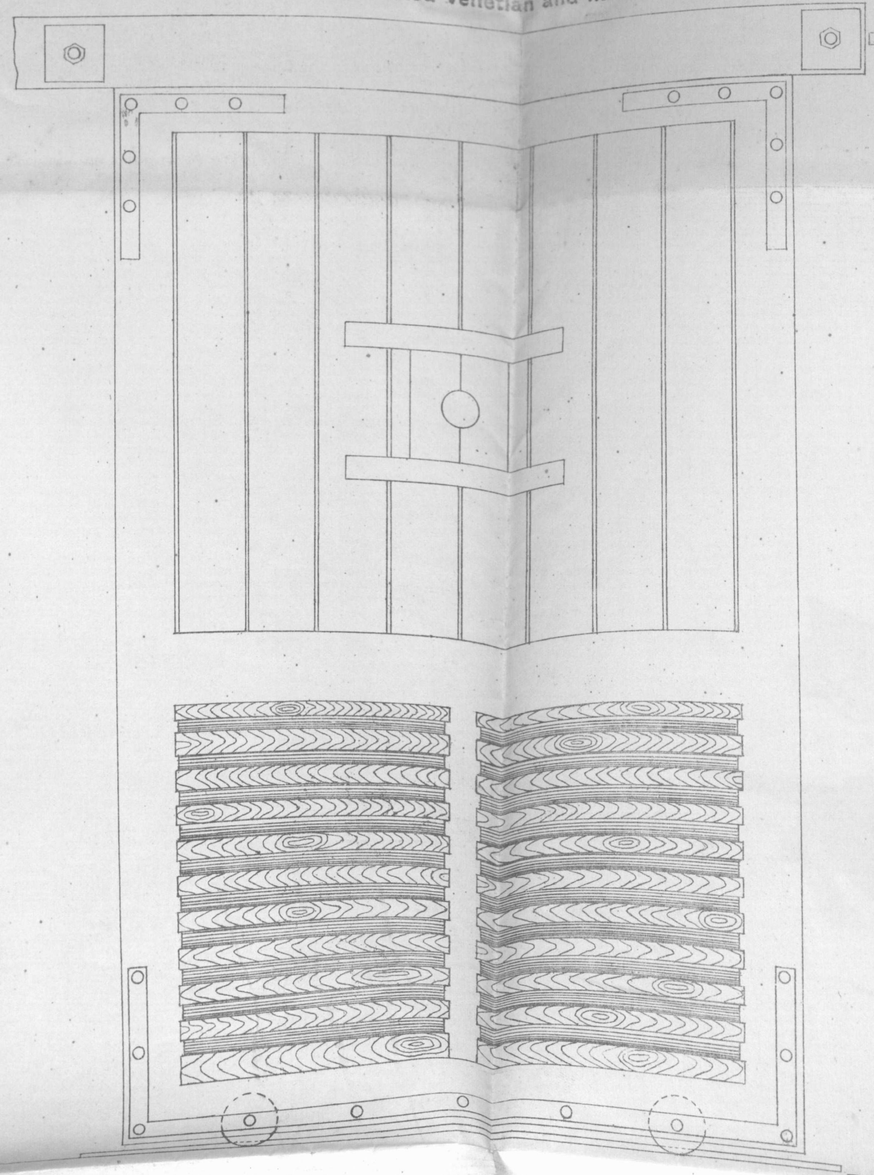
SECTION A.A.



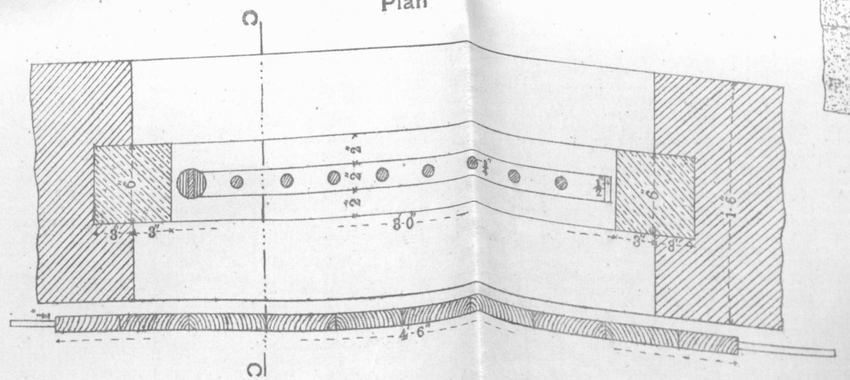
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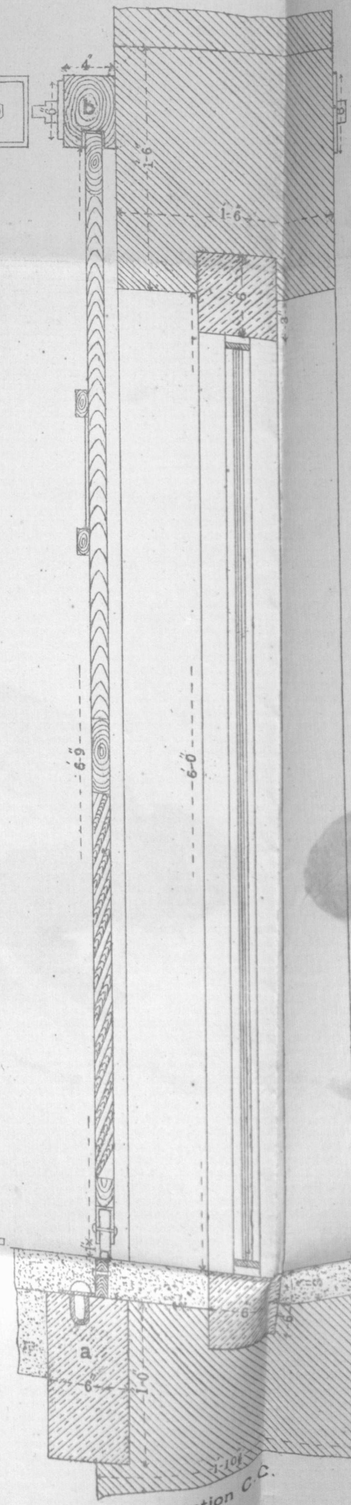


Sliding door half fixed venetian and half batten



Plan





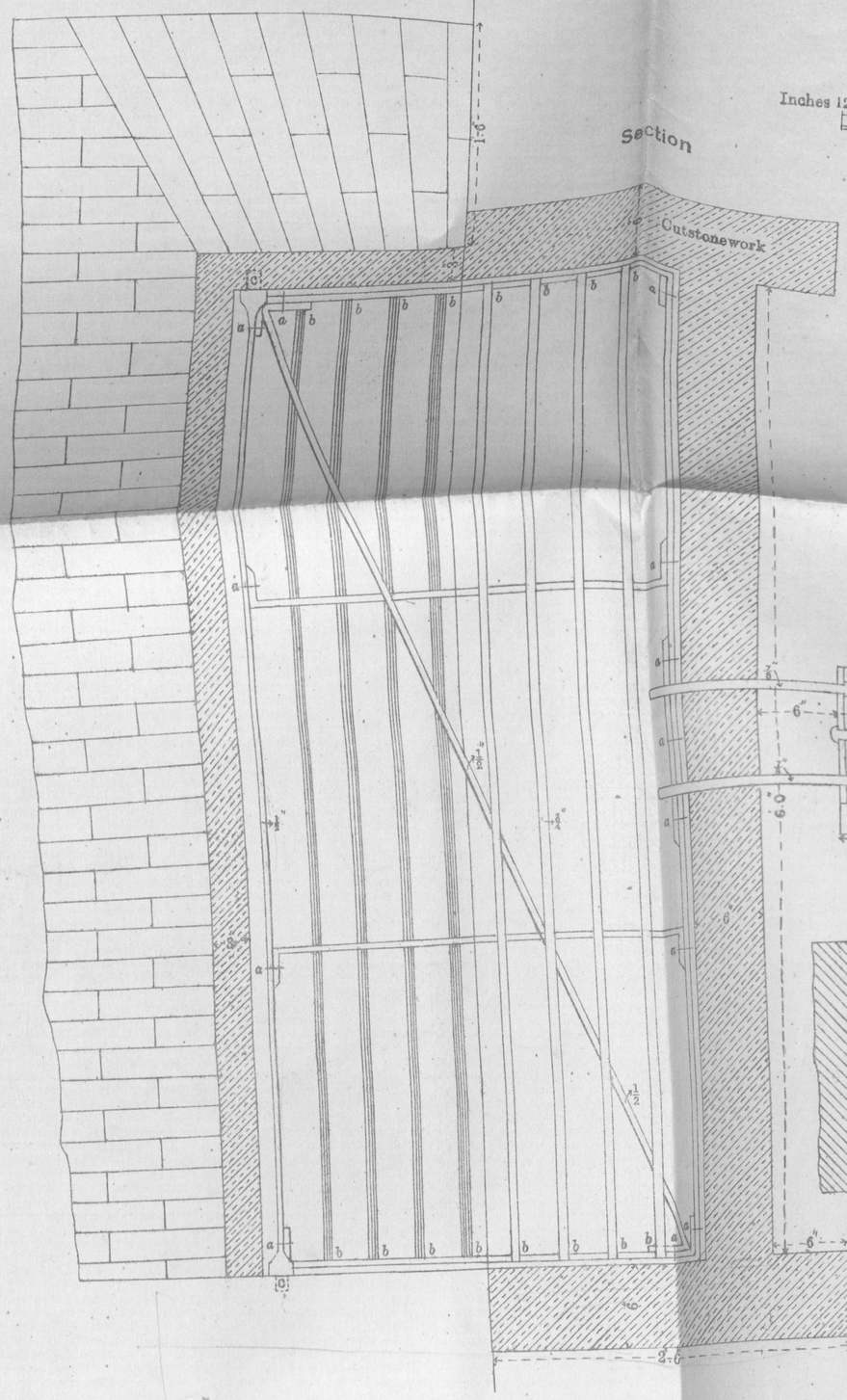
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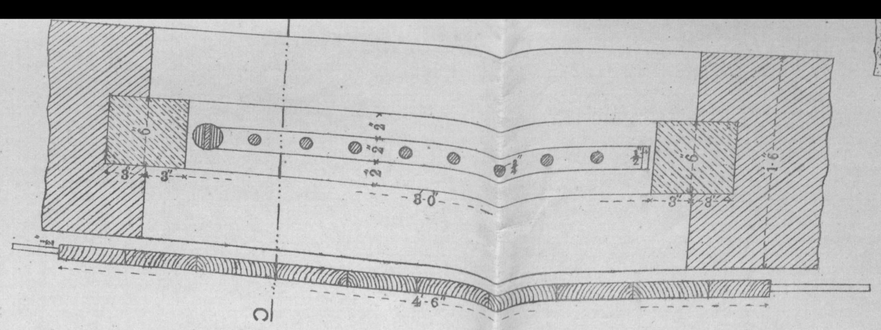
DETAIL DRAWINGS OF IRON DOOR

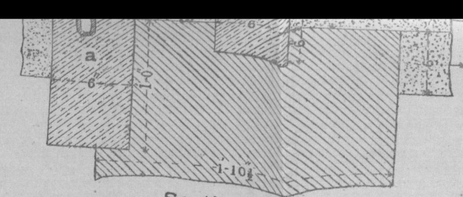
Scale

Inches 12 6 0 1 2 3 Ft.

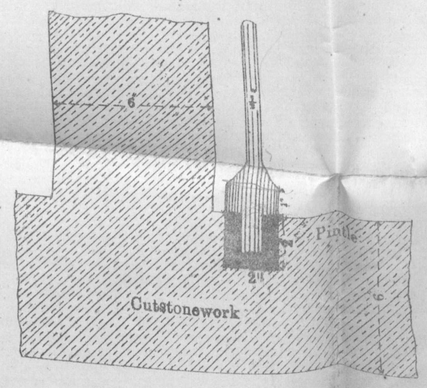
Elevation



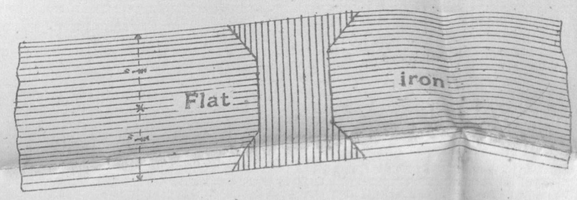




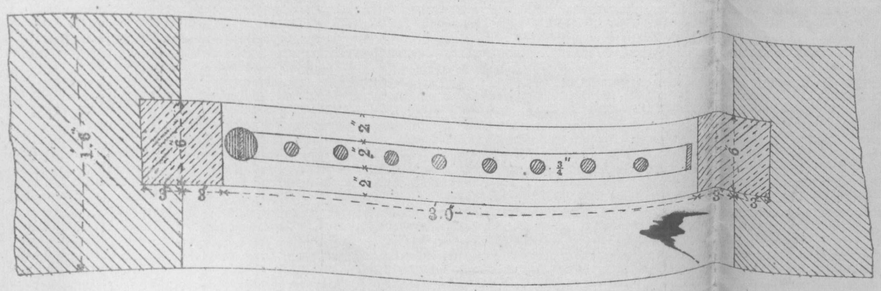
Enlarged section at c.



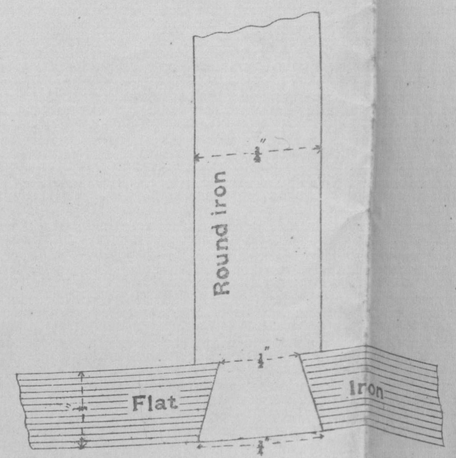
Sunk rivets at a.



Plan of Door.



Sunk rivets at b.



(Signed) A. G. CARDEW
Inspector General of Prisons
21 Jan. 1898

(Signed) V. KODANDAPANI MUDALIYAR
Assistant Engineer
26-11-1897.

S. O. { Reg: No. 4694
1898 { Copies. 280

Public Works (1898) Department.

CURRENT No. 8016

From

The Judicial De

Order

No. 1445

Dated 16. 9. 98

Received } 27. 9. 98
Registered }

Enclosures 2

Spare copies

SUBJECT.

Approvg as standard designs the drawings & specifications, submd by the [illegible] of Prisons, of a cell for carrying out sentences of solitary confinement in Jails & transfg. [illegible] to the P. W. Dept.

HC/o

Please [illegible] before [illegible] for [illegible] to D.W. [illegible] 27.9.98

S. a. W. submitted [illegible] 30/9/[illegible]

~~o.h. 8407~~
o.h. 54

Indexed.

BACK PAPERS.

No.	Date.
7698	8-8-98
5898	6-7-98
1936W	4-8-94

FURTHER PAPERS.

No.	Date.

Cw 2258

Print 38P

CHIEF SECRETARY 26. MAY. 1898 GOVERNMENT OF MADRAS

SPECIFICATION.

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Provision has been made for a verandah 7 feet wide, covered with Calicut or Mangalore tiles.

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2	Weather boards		each.	
242 s.ft.	Roofing with teak reapers and Mangalore tiles to verandah		100 s.ft.	
309 s.ft.	Flooring with ordinary concrete 6″ over which 3″ of cement concrete		100 s.ft.	
138 s.ft.	Wood oiling, 2 coats		100 s.ft.	
246 s.ft.	Painting silicate, 2 coats		100 s.ft.	
62 s.ft.	Sliding door ½ batten and ½ fixed venetian, complete with iron fittings		1 s.ft.	
156 lb.	Iron work		1 lb.	
16 r.ft.	Zinc spouts		1 r.ft.	
......	Sundries		......	
......	Superintendence		......	

Detail estimate for Solitary Cells.

Description of work.	Number.	Measurements—feet and inches. Length.	Breadth.	Depth.	Cubical contents.
Excavating foundation—					
Front and rear walls	2	23 7½	3 3	2 6	383·91
End walls	2	10 3	3 8	2 6	187·92
Cross wall	1	10 3	3 0	2 6	76·87
Verandah front wall	1	23 7½	3 3	2 6	191·95
Verandah side walls	2	3 9	3 3	2 6	60·94
Steps	1	21 6	2 0	1 6	64·50
Total C.ft.	...	...	...	...	966·09
Concrete work with stone jelly—					
Front and rear walls	2	23 7½	3 3	2 0	307·12
End walls	2	10 3	3 8	2 0	150·33
Cross wall	1	10 3	3 0	2 0	61·50
Verandah front wall	1	23 7½	3 3	2 0	153·56
Verandah side walls	2	3 9	3 3	2 0	48·75
Steps	1	21 6	2 0	1 0	43·00
Total C.ft.	...	...	...	...	764·26
Concrete work to the roof with brick jelly—		Area.			
Between spandrils	2	0 7	13 6	0 6	189·00
Over the arches	1	19 4½			130·78
Total C.ft.	...	...	...	...	319·78
Foundation T. M. brick in chunam—					
Front and rear walls	2	22 7½	2 3	0 6	50·91
End walls	2	11 3	2 7½	0 6	29·53
Cross wall	1	11 3	1 10½	0 6	10·55
Verandah front wall	1	22 7½	2 3	0 6	25·45
Verandah end walls	2	4 3	2 3	0 6	9·56
Steps	1	21 3	2 0	0 6	21·25
Total C.ft.	...	...	...	...	...
Basement—					
Front and rear walls	2	22 3	1 10½	1 6	125·16
End walls	2	11 7½	2 3	1 6	78·47
Cross wall	1	11 7½	1 6	1 6	26·16
Verandah front wall	1	22 3	1 10½	1 6	62·58
Verandah side walls	2	5 1½	1 10½	1 6	28·83
Steps	1	20 3	2 0	0 9	30·37
Total C.ft.	...	...	...	...	498·82
Superstructure—					
Front and rear walls up to springing line	2	21 10½	1 6	10 0	656·25
Front and rear walls above	2	21 10½	0 9	3 3	106·64
End walls up to springing line	2	12 0	1 10½	10 0	450·00
End walls above	2	12 0	1 3	3 3	97·50
Cross wall including skew back	1	12 0	1 1½	10 6	141·75
Parapet wall	1	67 9	1 1½	0 9	57·16
Pillars	3	1 6	1 6	6 7½	44·72
		Area.			
Segmental portions	4	11·50		0 9	34·50
Sides of ventilators	4	0 6	1 6	0 6	1·50
Total C.ft.	...	...	...	...	1,590·02
Deductions—					
Ventilator stones	2	3 0	1 6	1 6	13·50
Doorways	2	3 6	1 6	6 3	65·62
Ventilators	2	3 0	1 6	1 6	13·50
Flat archwork over doors	2	4 3	1 6	1 6	19·12
Flat archwork over ventilators	2	4 0	1 6	1 6	18·00
Total deductions	...	...	...	...	129·74
Total superstructure less deductions	...	...	...	...	1,460·28
Total archwork as per above deductions	...	...	...	...	37·12
Segmental arches—					
Roof	2	10 3	13 6	0 9	207·56
Cornice work	1	76 R.ft.		...	76·00

Detail estimate for Solitary Cells—cont.

Description of work.	Number.	Measurements—feet and inches. Length.	Breadth.	Depth.	Cubical contents.
Pointing with surky—					
Outer wall including cornice	1	73 9	...	14 0	1,032·50
Top and sides of parapet	1	70 9	...	1 6	106·12
Pillars	3	6 0	...	6 7½	119·25
Steps	1	20 10½	...	2 0	41·75
Ends of steps	2	2 0	...	0 6	2·00
Spaces between pillars and sides	1	28 4½	...	0 9	21·28
Basement all round	1	89 3	...	1 6	133·87
Sides of doors	2	16 0	...	0 4½	12·00
Sides of ventilators	2	9 0	...	0 8	12·00
Total Sq.ft.	...	...	...	...	1,480·77
Deductions—					
Doors	2	3 6	...	6 3	43·75
Ventilators	2	3 0	...	1 6	9·00
Ground ventilators	2	2 0	...	0 6	2·00
Total deductions	...	...	...	...	54·75
Total pointing less deductions Sq.ft.	...	...	...	...	1,426·02
Plastering—					
Cells, inner wall	2	41 0	...	10 0	820·00
Intrados of arches	2	9 10	12 0	...	236·00
		Area.			
Segmental portions	2	11·50		...	23·00
Parapet inner side	1	67 9	...	0 9	50·81
Top of terrace	1	19 4½	12 0	...	232·50
Sides of doors	2	16 0	...	0 6	16·00
Sides of ventilators	2	9 0	...	0 9	13·50
Total Sq.ft.	...	...	...	...	1,391·81
Deductions—					
Doorways	2	3 6	...	6 3	43·75
Ventilators	2	3 0	...	1 6	9·00
Ground ventilators	2	2 0	...	1 3	5·00
Total deductions	...	...	...	...	57·75
Total plastering less deductions Sq.ft.	...	...	...	...	1,334·06
Cut stonework—					
Pillar caps	3	1 6	1 6	0 4½	2·53
Stones under sliding door to fix the iron bar	4	1 0	0 6	0 6	1·00
Total C.ft.	...	...	...	...	3·53
Door frames	2	23 0	0 6	0 6	11·50
Locking arrangement stones	2	1 6	1 4	0 7½	2·50
Ventilator stones	4	3 0	1 6	0 6	9·00
Total C.ft.	...	...	...	...	23·00
Doors—					
Iron doors with pintle and bolts	2	3 0	...	6 0	36·00
Ventilators	2	3 0	...	1 6	9·00
Ventilators at floor including shutters	2	2 0	...	0 6	2·00
Woodwork to verandah—					
Rafters	10	11 6	0 2	0 6	9·58
Wall plate	1	22 0	0 3	0 4	1·83
Bressummers including scarfing	1	23 0	0 5	0 8	6·39
Eveboards	1	22 0	0 9	0 1	1·37
Beam over sliding door	1	23 0	0 4	0 6	3·83
Total C.ft.	...	...	...	...	23·00
Weather boards	2	...	...	...	2
Roofing with teak reapers and Mangalore tiles to verandah.	1	22 0	11 0	...	242·00
Flooring with ordinary concrete 6″ over which 3″ of cement concrete	2	12 0	8 6	...	204·00
Verandah	1	19 0	5 6	...	104·50
Total Sq.ft.	...	...	...	...	308·50

Detail estimate for Solitary Cells—cont.

Description of work.	Number.	Measurements—feet and inches. Length.	Breadth.	Depth.	Cubical contents.
Wood-oiling—					
Rafters	10	8 6	1 2	...	99·17
Bressummer	1	22 0	1 9	...	38·50
Total Sq. ft. ...	...	...	...	...	137·67
Painting, silicate—					
Iron doors	2	3 0		6 0	36·00
Sliding doors	2 × 2	4 6	...	6 10	123·00
Beam over sliding door	1	22 0	1 2	...	25·67
Ends of rafters	10	1 6	1 2	...	17·50
Eveboards	1	22 0	...	0 9	16·50
Weather boards	2	3 6	2 6	...	17·50
Ground ventilator shutters	2	2 2	2 4	...	10·11
Total Sq. ft. ...	...	...	...	...	246·28
Sliding door ½ batten and ½ fixed venetian complete with iron fittings	2	4 6	...	6 10	61·50
Iron work—					
Bolts, 1" diameter ... ... LB.	6	2	1" diameter.		31·44
Heads and nuts ... ... R.ft. 2·62	12	...	...	...	13·20
Washers ... ... each 1·10	6	0 6	0 6	0 ½	11·00
Do. ... ... Sq ft. 5	6	0 4	0 4	0 ½	100·00
Iron rail under sliding door ... ... Sq ft. 5	1	20 0	0 3	0 ½	155·64
Total lbs. ...	...	...	...	...	15·50
Zinc spouts ... ... R.ft. 5	1	15' 6" R.ft.			

Copy of letter from the Inspector-General of Prisons, No.2536, dated 23rd May 1893:-

I have the honour to forward a plan with detailed drawings and specification of a cell recently constructed at the Cuddalore District Jail for carrying out sentences of separate or solitary confinement in Jails and to request that you will be so good as to obtain the approval of Government to their being regarded as standard designs to be followed in the preparation of estimates for future such works.

Copy of letter from the same Officer, No.4160, dated 30th July 1893:-

I have the honour to return Judicial Endorsement No. 1510, dated 11th July 1893, and with reference to the Chief Engineer's Note, No.589 D, dated 6th July 1893, to state as follows:-

(1). the width (1-1½") of the partition walls, which the Chief Engineer states is much too thin, is that adopted by the Officers of the Public Works Department when they drew up the Estimate for the Cellular Jail, Cuddalore. That Estimate was prepared by an experienced Executive Engineer, Mr. J.P. Davidson, was countersigned by the Superintending Engineer, Mr. Larminie, was "scrutinized in detail" during a period of 8 months by the late Chief Engineer, Colonel Pennycuick C.S.I., and was sanctioned by Government in its order No.1956 W, dated 4th August 1894. The weight of authority is, therefore, clearly in favour of the width being sufficient.

(2) apart from this argumentum ad hominem, it may be said of the question of the suitability of the wall, "solvitur ambulando", if that phrase can be applied to a cell. For the width of the wall is, I believe, the same as that of the Cells built by the Public Works Department at the Tanjore District Jail and other Jails, and no convict confined in those cells has up to date brought the cells down about his own or any one else's ears. If, indeed, a convict had an instrument handy, he would doubtless try to dig his way out altogether

altogether, and would not be content to dig his way merely into the next cell. The weight of experience as well as of authority is thus against the Chief Engineer's opinion.

(3) as regards the Cell being hot in the hot weather, it resembles in all respects affecting temperature the Cells built by the Public Works Department at the Tanjore, Palamcotta, Vellore, Salem and many other Jails, but with this important advantage over those cells that it is provided with a verandah 7' broad to keep off sun and rain. If, then, ill-results have not followed from confining prisoners in the Cells at the Jails above named, still less are such results to be expected from a Cell, which enjoys the additional advantage of being protected by a verandah. The Cell is well-ventilated, having an iron-barred door 6'× 3' in the front-wall, an iron-barred upper ventilator 3'× 1½' in the back-wall, besides a lower ventilator 2'× 6". Far from being an oven, it is probably a very desirable residence, and critics of our Jail administration have frequently remarked on the undue luxury of the "beautifully cool cells" provided for prisoners. As it is, however, impossible to please everybody, the design which has been in use so many years has been adhered to, the alterations in the proposed standard plan being mainly in details.

(4) the Chief Engineer's suggestion that the ventilator-bars should be protected is not clearly understood. If it bears reference to the possibility of suicide it may be pointed out that the upper ventilator is out of reach of the occupant of the Cell, who can, moreover, always hang himself on the door if he has a rope and the inclination. If it is thought that prohibited articles may be passed in through the ventilator, it should be remembered that the Cells are within the Jail Yard, and that the door will remain accessible, even if the ventilator were protected by wire-netting. Anything like efficient "protection" of the ventilator would affect ventilation. If the suggestion refers to rain and sun, the section B B of the Type Design Sheet No.I, will show that a sunshade is provided.

C.O. 22.9.98.

9.9.98.

O.S.C. 8016

GOVERNMENT OF MADRAS.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following paper:—

From the Inspector-General of Prisons, Nos. 2536 a
4169, dated 23rd May and 30th July 1898, respectively.

Endorsement of the Public Works Department Nos. 5
D, and 769 D, dated 6th July and 8th August 1898, respective

Order No. 1445, dated 16th September 1898.

The drawings and specifications submitted by the Inspector-General of Prisons, are approved as standard de and will be transferred to the Public Works Department.

(True Extract.)

for Chief Secretary.

C.O. 22.9.98.

To

The Inspector-General of Prisons.
" Public Works Department, with drawings and specificatio