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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	786	Press Mr.
Dated	7 — 3 — 1877.	

Not to be folded or roughly handled

No. 168. Read the following letter from R. F. CHISHOLM, Esq., Consulting Architect to Government, to the Secretary to Government, Public Works Department, dated Chepauk, 6th January 1877, No. 753:—

In compliance with G.O., No. 175, dated 30th October 1876, I have the honor to submit the revised standard design for third-class Taluq Cutcheries with specification and schedule of quantities.

SPECIFICATION of Works to be performed in constructing a third-class Taluq Cutcherry according to the revised drawing, dated 6th January 1877.

Excavation.—After the centre lines of the walls have been pegged out, and the breadths of the foundations lockspitted, excavate the trenches to the full depths shown on the drawing, or to such other depths as the officer in charge of the works may direct.

Concrete.—On receipt of a written order from the officer in charge of the works to the effect that the foundation trenches have been sufficiently surked, proceed to lay twelve inches of concrete, or such depth as may be considered necessary by the officer in charge.

The concrete will be put down in successive layers, six inches thick, well rammed with heavy beaters.

Brickwork in Chunam.—On the completion of the concrete, the centre lines will be carefully laid out, and the footing courses commenced. The foundation brickwork will be carried up in steps six inches high with a three or four inch offset on either side according to the drawing.

Walling.—The outer walls will be two bricks thick (eighteen inches) and the partitions one and a half bricks thick (thirteen and a half inches).

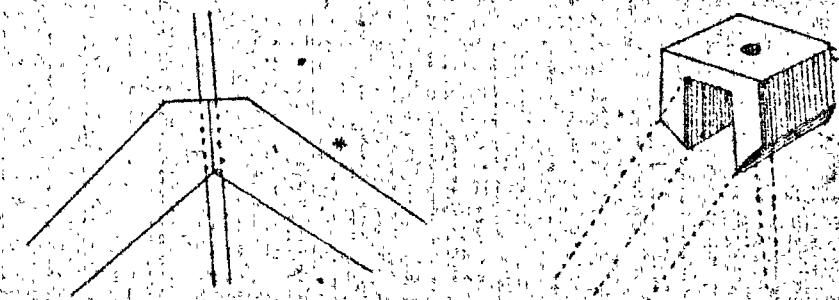
Splays.—All openings will have splayed edges measuring three inches on the face of the splay.

Arching.—The heads of all openings will have flat arches eighteen inches thick. The bricks will radiate to a centre midway between the top and bottom of each opening.

Stonework.—In localities where stone is cheap, a stone curbing should run all round the edge of the verandah and the top of the plinth, and stone slabs should be placed under the wooden posts and trusses.

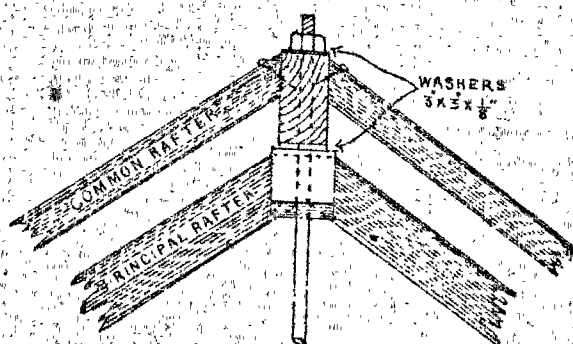
Teakwood.—The teakwood trusses, rafters, verandah posts, &c., will be executed in strict accordance with the details shown on the drawing.

In framing the trusses, the heels of the rafters will be let into the tie beams and strapped down tight, and the heads allowed to butt simply; over the head a hallow chock will be fastened on by the first nut. (The struts having been cut to admit of the proper camber.) A rope



lapped round the truss and twisted up tight will bring the tie beam to the required camber, and enable the workmen to screw home the nuts. The lower ends of the struts will butt against the

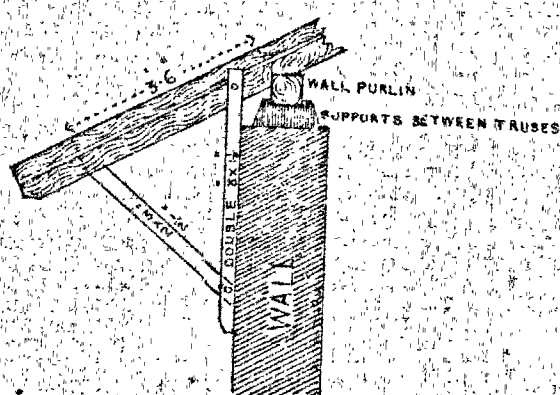
tie beam, and be held in their places by round pieces of wood. The upper ends will be tennoned into the rafters. After the trusses are in position the ridge piece may be added. The purlins



and rafters should be halved each to the extent of one inch. The purlins over the walls should be supported between the trusses.

Rafters.—The rafters may be halved into the purlins, to the extent of $\frac{1}{2}$ inch, but the purlins must not be cut, as the full section is required for the roof. Where verandahs are shown, the rafters will project beyond the wall purlins and rest on bressummers supported by posts. Each rafter must butt against the ridge and be spiked to it as shown on the drawing.

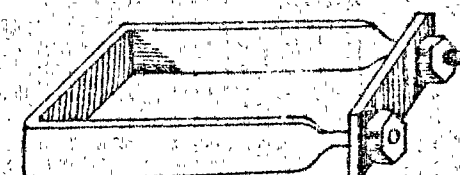
In the jail, the rafters will be strutted at a distance of three feet six inches from the wall purlin.



IRONWORK.

Tie-rods.—The tie-rods will be of the forms and dimensions shown, lower ends to have octagonal head and three inches square by each washers. The upper end nine inches of worm and double nuts and washers.

Straps.—The straps for trusses will be formed of one inch by $\frac{1}{2}$ inch iron forged to a $\frac{3}{4}$ inch screw at ends, bearing plate $1\frac{1}{2}$ by $\frac{1}{2}$ inch, with nuts and washers.



Doors.—The doors will be one-third panel and two-thirds venetians. The panels to be raised and screwed instead of grooved and tongued, and the edges splayed, and not moulded. Venetians to be of ordinary construction.

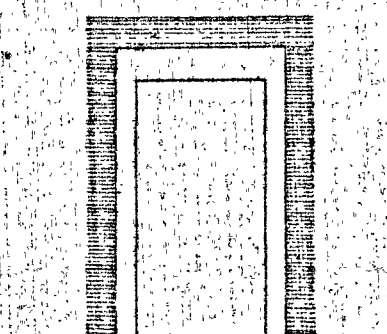
The jail doors will be formed with battens six inches wide and $1\frac{1}{2}$ inches thick with wooden frames and iron shutters of the forms and dimensions shown on the plan of details for "first-class Taluq Cutcheries, dated April 1872."

Painting.—All doors and windows and exposed woodwork of roof will be painted with three coats of "Carson's oak color."

PLASTERING.

One coat of rough cast.—Lay with hand floats one coat of rough cast over the whole of the interior, and bring to a smooth and level surface.

White-wash.—White-wash all interior jambs and soffits, nine inches in breadth at sides and twelve at tops of all openings. Color-wash all remaining portions.



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Pointing.—Rake out the exterior joints of all masonry work to the depth of half an inch well wash the surface and point with flush pointing. The mortar should be toned to the color of the brick by the addition of red ochre.

ROOFING.

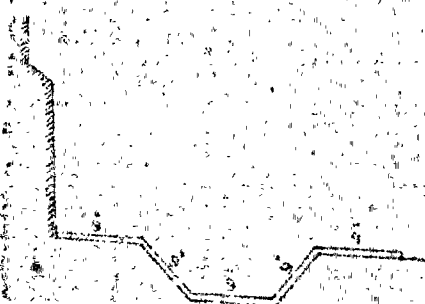
Leading.—After the whole of the carpentry of the roof has been completed, lay in the valleys 18 inches broad leading (or zinc, if sheet lead is not procurable) with a lap of 9 inches where joined.

Tiling.—Cover the roof with well burnt tiles laid in the usual manner, and protect the ridges and hips in tiles specially made for the purpose.

Chunam bands.—Protect the ridges, hips and eaves with chunam bands rough cast on the surface and lay bands on the tiling inches broad and inches apart.

Flooring.—After the masons have brought the surface up ready to receive the floor tiles, lay an even floor of 9 inches square tiles set diagonally. The tiles will be rubbed on the surface and gauged to fit each other.

Exterior drain.—All round the exterior build a drain of flat nine inch tiles as sketched below varying the section of the drain according to the slope of the ground.



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

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ESTIMATE FOR CONSTRUCTING A THIRD-CLASS TALUQ CUTCHERRY AS PER
REVISED DRAWING, DATED 6TH JANUARY 1877.

Detailed Quantities.

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Excavation for foundations.</i>						
Court-room, outer walls	1	92 11	5 0	4 0	1,843	
Do. partition	1	11 6	4 7	4 0	213	
Police record and Clerks' room, front and rear walls	2	38 9	5 0	4 0	1,550	
Do. partitions	2	11 6	4 7	4 0	426	
Jail wards, outer walls	3	122 9	5 0	4 0	2,455	
Do. partitions	3	11 6	4 7	4 0	638	
Verandah walls	1	198 0	3 3	3 0	1,931	
Steps	1	11 0	1 0	1 6	17	
Do.	2	6 2	1 0	1 6	19	
Cubic feet	...	...	...	...	9,092	
Cubic yards	...	...	...	...	...	337
<i>Concrete.</i>						
Excavation + 4 ... cubic feet	...	...	...	...	2,273	
<i>Brickwork in foundations, footings.</i>						
Court-room, outer walls	1	92 11	2 10	1 6	392	
Do. partition	1	13 8	2 5	1 6	50	
Police, Record and Clerks' room, front and rear walls	2	40 11	2 10	1 6	348	
Do. do. partitions	2	13 8	2 5	1 6	101	
Jail wards outer walls	3	122 9	2 10	1 6	522	
Do. partition walls	3	13 8	2 5	1 6	151	
Verandah walls	...	200 2	1 6	1 0	300	
Above footings to ground level, court room, outer walls	1	92 11	1 6	1 6	207	
Do. partition	1	15 0	1 1	1 6	25	
Police, Record and Clerks' room, front and rear walls	2	42 3	1 6	1 6	190	
Do. partitions	2	15 0	1 1	1 6	51	
Jail wards, outer walls	3	122 9	1 6	1 6	276	
Do. partitions	3	15 0	1 1	1 6	76	
Do. extra thickness for plinth	...	86 8	0 4	1 6	43	
Verandah walls	...	201 6	0 9	1 0	151	
Steps	1	11 0	1 0	1 1	12	
Do.	2	6 3	1 0	1 1	14	
Cubic feet	...	...	...	...	2,909	
<i>Brickwork in basement.</i>						
Court-room, outer walls	1	92 11	1 6	1 6	207	
Do. partitions	1	15 0	1 1	1 6	25	
Police, Record and Clerks' room, front and rear walls	2	42 3	1 6	1 6	190	
Do. do. partitions	2	15 0	1 1	1 6	51	
Jail wards, outer walls	3	122 9	1 6	1 6	276	
Do. partitions	3	15 0	1 1	1 6	76	
Do. extra thickness for plinth	...	86 8	0 4	1 6	43	
Verandah walls	...	201 6	0 9	1 0	151	
Steps	1	11 0	1 0	0 6	6	
Do.	2	6 2	1 0	0 6	6	
Cubic feet	...	...	...	...	1,031	

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Detailed Quantities—(Continued).

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Deductions.</i>						
Cut stone as per details	...	...	...	...	77	
Under posts do. ...	...	...	...	...	7	
Cubic feet ...	...	...	...	...		84
<i>Brickwork in Superstructure.</i>						
Court-room, outer walls	...	92 11	1 6	10 0	1,382	
Do. partitions ...	...	15 0	1 1 1/2	10 0	169	
Do. gables ...	...	18 0	1 6	3 0	162	
Do. do. ...	...	18 0	1 1 1/2	3 0	61	
Police, Record, Clerks' room, front and rear walls	...	42 3	1 6	10 0	1,268	
Do. partitions ...	...	15 0	1 1 1/2	10 0	338	
Do. gables ...	...	18 0	1 6	3 0	162	
Do. do. ...	...	18 0	1 1 1/2	3 0	122	
Jail wards, outer walls	...	122 9	1 6	10 0	1,841	
Jail wards partitions	...	15 0	1 1 1/2	10 0	506	
Do. gables	...	18 0	1 1 1/2	3 0	182	
<i>Deductions.</i>						
Police room openings	...	8 0	1 6	10 0	240	
Doors with flat arches two thirds of	...	4 0	1 6	8 0	288	
Do. do. do. ...	...	4 0	1 1 1/2	8 0	48	
Do. do. do. ...	...	4 0	1 6	7 6	120	
Windows do. do. ...	...	3 6	1 6	5 0	70	
Jail ventilators	...	4 0	1 6	2 6	60	
Stones under trusses as per details	...	...	...	...	6	
Cubic feet ...	...	...	...	...		832
<i>N.B.—One-third the area of doors and windows allowed to cover expense of centring and arch-work.</i>						
Cut stone if procurable at reasonable rates.	...	...	...	...	...	5,361
Capping to plinth	...	266 2 1/2	0 9	0 4	67	
Steps	...	23 6	1 3	0 4	10	
Cubic feet ...	...	...	...	...	77	
<i>Stone under posts and trusses.</i>						
Under posts	22	1 0	1 0	0 4	7	
Do. trusses	8	1 6	1 6	0 4	6	
Cubic feet ...	...	...	...	...	13	
<i>Earth filling in basement.</i>						
Court	...	26 11 1/2	15 0	1 0	404	
Police, &c.	...	40 0	15 0	1 0	600	
Jail wards	...	40 0	15 0	1 0	600	
Verandahs	...	188 6	5 9	0 6	542	
Cubic feet ...	...	...	...	...	2,146	
Cubic yards ...	...	...	...	...		80

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Detailed Quantities—(Continued).

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Teakwood.</i>						
Four trusses 15 { tie beams ...	4	18 0	0 4	0 6	12	
foot span. { principal rafters ...	8	9 9	0 4	0 4	9	
struts ...	8	4 9	0 3	0 3	2	
Purlins ...	2	35 0	0 5	0 6	15	
Do. ...	2	54 0	0 5	0 6	23	
Do. ...	2	36 9	0 5	0 6	15	
Do. ...	2	8 6	0 5	0 6	4	
Do. over police openings	2	10 0	0 5	0 6	4	
Wall purlins	2	35 0	0 4	0 4	8	
Do. ...	2	46 0	0 4	0 4	10	
Do. ...	2	46 6	0 4	0 4	10	
Do. ...	2	18 0	0 4	0 4	4	
Ridge	1	35 0	0 3	0 8	6	
Do. ...	1	61 6	0 3	0 8	10	
Do. ...	1	29 0	0 3	0 8	5	
Common rafters	144	10 6	0 2 1/2	0 4	105	
Do. in court gables	8	13 0	0 2 1/2	0 4	7	
Do. ...	44	14 9	0 2 1/2	0 4	45	
Do. in verandahs	125	10 0	0 2 1/2	0 4	87	
Hip rafters	4	14 0	0 3	0 5	6	
Do. for jail	4	19 6	0 3	0 5	8	
Do. for verandah	8	12 0	0 3	0 5	10	
Posts	22	7 0	0 5	0 5	27	
Bressummers	...	211 0	0 5	0 6	44	
Small uprights over do.	137	1 0	0 2 1/2	0 3	7	
Cheek pieces do.	274	1 3	0 2	0 1 1/2	7	
Barge board for court gables	4	13 0	0 1 1/2	0 11	6	
Eaves board throughout	...	335 0	0 1	0 5	12	
Jail struts	56	3 0	0 2 1/2	0 3	9	
Do. at angles	4	3 6	0 2 1/2	0 3	1	
Do. uprights	112	4 0	0 1 1/2	0 3	14	
Cubic feet ...	...	...	...	...		532
<i>Wrought Ironwork in trusses.</i>						
1 inch diameter king rods	4	7 0	28	2 62	73 36	
1 inch hex. nuts and bolt heads	12	...	...	0 55	6 60	
3 inches x 3 inches x 1/2 inch washers	12	...	...	0 32	3 84	
1 inch x 1/2 inch flat iron straps	8	2 6	20	1 25	25 00	
1 1/2 inches x 1/2 inch bearing plates	8	0 6	4	2 08	8 32	
1/2 inch hex. nuts for straps	16	...	...	0 06	0 96	
2 inches x 2 inches x 1/2 inch washers	16	...	...	0 14	2 24	
Lbs ...	...	...	...	...		120 32
<i>Doors and windows, Venetian and panel with frames.</i>						
Doors	11	4 0	...	8 0	352	
Windows	2	3 6	...	5 0	35	
Superficial feet ...	...	...	...	...		387
Venetian windows with frames and iron bars for record room	2	3 6	...	5 0	35	Supl. ft.
Batten doors with frames for Jail wards.	4	4 0	...	7 6	120	Supl. ft.
Iron-barred shutters for jail wards (vide details for 1st-class Taluq Cutcherries)	4	3 6	...	7 0	98	Supl. ft.

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Detailed Quantities—(Continued).

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Doors and windows, Venetian and panel with frames—(Continued).</i>						
Ventilator frames with iron bars for Jail wards	4	4 0	...	2 6	40	Supl. ft.
Semi-circular lights in Court room gables	2 in number.	...	...	...	...	...
<i>Painting doors and windows and exposed woodwork of roofs.</i>						
Doors, panel portion	2 x 11	4 0	...	2 8	235	
Do. venetian	3 x 11	4 0	...	5 4	704	
Windows do.	3 x 4	3 6	...	5 0	210	
Jail doors	2 x 4	4 0	...	7 6	240	
Do. iron shutters	2 x 4	3 6	...	7 0	196	
Ventilator frames	2 x 4	4 0	...	2 6	80	
Semi-circular lights	2 x 2	6 3	Area	...	25	
Posts	22	1 8	...	6 6	238	
Barge boards	4	13 0	...	1 0	52	
Eaves, boarding	...	335 0	...	0 6	168	
Jail struts	56	3 0	...	0 11	154	
Do. at angles	4	3 6	...	0 11	13	
Do. uprights	112	4 0	...	0 7½	280	
Superficial feet	...	...	...	...	2,595	
Squares	...	...	...	...	...	25-95
<i>Pointing exterior.</i>						
Walls	...	275 4½	...	10 6	2,891	
Gables	2	18 0	...	3 0	108	
Sides of openings, police	4	1 6	...	10 0	60	
Door jambs	8	20 0	...	0 9	120	
Window do.	4	17 0	...	0 9	51	
Jail doors do.	2	19 0	...	0 9	29	
Do. ventilator do.	4	9 0	...	0 9	27	
Semi-circular ventilators do.	2	10 3	...	0 9	15	
Basement	...	291 4½	...	1 0	291	
<i>Deductions.</i>						
Police openings	2	8 0	...	10 0	160	
Doors	8	4 0	...	8 0	256	
Windows	4	3 6	...	5 0	70	
Jail doors	2	4 0	...	7 6	60	
Do. ventilators	4	4 0	...	2 6	40	
Semi-circular ventilators in gables	2	6 3	Area	...	13	
Superficial feet	...	...	...	...	599	
Squares	...	...	...	...	2,993	
<i>Plastering and washing interior.</i>						
Court-room	...	70 0	...	10 0	700	
Retiring-room	...	43 10½	...	10 0	439	
Gables	4	15 0	...	2 6	150	
Clerks' and record-room	2	50 0	...	10 0	1,000	
Police	...	70 0	...	10 0	700	
Gables	6	15 0	...	2 6	225	
Jail wards	4	50 0	...	10 0	2,000	

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Detailed Quantities—(Continued).

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	* Total.
<i>Plastering and washing interior—(Continued).</i>						
Gables	6	15 0	...	2 6	225	
Door jambs	8	20 0	...	0 9	120	
Do.	2	20 0	...	1 1½	45	
Do.	1	20 0	...	1 6	30	
Window jambs	4	17 0	...	0 9	51	
Jail door do.	2	19 0	...	0 9	29	
Jail door jambs	2	19 0	...	1 6	57	
Do. ventilators do.	4	9 0	...	0 9	27	
Semi-circular do. do.	2	10 3	...	0 9	15	
<i>Deductions.</i>						
Police openings	2	8 0	...	10 0	160	
Doors	8	4 0	...	8 0	256	
Do.	3	4 0	...	8 0	192	
Windows	4	3 6	...	5 0	70	
Jail doors	2	4 0	...	7 6	60	
Do.	2	4 0	...	7 6	120	
Do. ventilators	4	4 0	...	2 6	40	
Semi-circular do.	2	6 3	Area	...	13	
Superficial feet	...	...	...	...	4,902	
Squares	...	...	...	...	49-02	
<i>Tiled roofing with flat and pantiles, including teak reapers, and chunam bands, &c., complete.</i>						
Court and retiring room	...	33 0	...	21 0	693	
Clerks, Record, and Police do.	...	52 9	...	21 0	1,108	
Jail wards	...	70 0	...	15 0	1,050	
Do.	...	38 0	...	10 6	399	
Verandahs	...	190 0	...	10 0	1,900	
Superficial feet	...	...	...	...	5,150	
Squares	...	...	...	...	51-50	
<i>Flooring with 9 inches square pavement tiles.</i>						
Court and retiring room	...	26 11½	...	15 0	404	
Clerks, Record, and Police do.	...	40 0	...	15 0	600	
Verandahs	...	190 0	...	5 9	1,093	
Police openings	2	8 0	...	1 6	24	
Door pieces	9	4 0	...	1 6	54	
Do.	2	4 0	...	1 1½	9	
Do. jail	4	4 0	...	0 9	12	
Superficial feet	...	...	...	...	2,196	
Squares	...	...	...	...	21-06	
<i>Flooring with Asphalt ½ inch thick.</i>						
Jail wards	4	10 0	...	15 0	600	
Door pieces	4	4 0	...	0 9	12	
Superficial feet	...	...	...	...	612	
Squares	...	...	...	...	6-12	

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Detailed Quantities—(Continued).

Description of Works.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Laying lead or zinc sheets to the valleys 18 inches broad	3	27 0	...	...	81 Lineal ft.	
Exterior drain	...	291	Lineal feet.			
DETAILED QUANTITIES FOR REGISTRARS' AND POST OFFICES.						
Excavation for foundations.						
Outer walls	...	48 9	5 0	4 0	975	
Partition	1	11 6	4 7½	4 0	213	
Verandah walls... ..	2	18 7½	3 3	3 0	363	
Step	1	11 0	1 0	1 6	17	
Cubic feet	...	...	...	...	1,568	
Cubic yards	...	...	...	...	...	58
Concrete 12 inches thick.						
Excavation ÷ 4 = ... cubic feet.	...	...	...	...	...	392
Brickwork in foundations, footings.						
Outer walls	...	50 11	2 10	1 6	216	
Partition	1	13 8	2 5½	1 6	50	
Verandah walls... ..	2	18 7½	1 6	1 0	56	
Above footings to ground level outer walls	...	52 3	1 6	1 6	118	
Partition	1	15 0	1 1½	1 6	25	
Verandah walls... ..	2	18 7½	0 9	1 0	28	
Step	1	11 0	1 0	1 1½	12	
Cubic feet	...	...	...	...	505	
Brickwork in basement.						
Outer walls	...	52 3	1 6	1 6	118	
Partition	1	15 0	1 1½	1 6	25	
Verandah walls... ..	2	18 7½	0 9	1 0	28	
Steps	1	11 0	1 0	0 6	6	
Deduct.						177
Cut stone as per details... ..	...	...	...	...	14	
Stone under posts	...	...	...	...	1	
Cubic feet	...	...	...	...	...	15
Brickwork in Superstructure.						
Outer walls	...	52 3	1 6	10 0	784	
Partition... ..	1	15 0	1 1½	10 0	169	
Gables	1	18 0	1 6	3 0	81	
Do.	1	18 0	1 1½	3 0	61	
						1,095

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Detailed Quantities—(Continued).

Description of Works.	No.	Length.	Breadth.	Depth.	Contents.	Total.
Deductions.						
Doors with flat arches ¾rds of	1	4 0	1 6	8 0	32	
Windows do. do.	3	3 6	1 6	5 0	53	85
Cubic feet	...	...	...	...	...	1,010
Cut stone (if procurable at reasonable rates).						
Capping to plinth	2	18 7½	0 9	0 4	9	
Steps	1	11 0	1 3	0 4	5	
Cubic feet	...	...	...	...	14	
Stone under Posts	4	1 0	1 0	0 4	1½	C. ft
Earth filling in basement.						
Post and Registration Offices	2	8 0	15 0	1 0	240	
Verandahs	2	18 7½	5 9	0 6	107	
Cubic feet	...	...	...	...	347	
Cubic yards	...	...	...	...	...	13
Teakwood.						
Purlins	2	19 0	0 5	0 6	8	
Wall do.	2	19 0	0 4	0 4	4	
Ridge do.	1	19 0	0 3	0 8	3	
Common rafters	24	10 6	0 2½	0 4	18	
Verandah do.	26	10 0	0 2½	0 4	18	
Do. hip rafters	2	14 0	0 3	0 5	3	
Posts	4	7 0	0 5	0 6	5	
Bressummers	2	19 0	0 5	0 6	8	
Small uprights over do.	24	1 0	0 2½	0 3	1	
Cheek pieces do. do.	48	1 3	0 2	0 1½	1	
Eaves boarding	2	19 0	0 1	0 5	1	
Cubic feet	...	...	...	...	70	
Doors Venetian and panel with frames.	1	4 0	...	8 0	32	Supl. ft.
Venetian windows with frames and Iron bars	3	3 6	...	5 0	53	Supl. ft.
Painting doors and windows and exposed woodwork of roofs.						
Door panel portion	2 ×	1	4 0	...	2 8	21
Do. Venetian do.	3 ×	1	4 0	...	5 4	64
Windows do.	3 ×	3	3 6	...	5 0	153
Posts	4	1 8	...	6 6	43	
Eaves boarding	...	38 0	...	0 6	19	
Superficial feet	...	...	...	...	305	
Squares	...	...	...	...	...	305

Proceedings of the Madras Government, Public Works Department,
7th March 1877. No. 786.

Detailed Quantities—(Continued).

Description of Works.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Pointing exterior.</i>						
Walls	2	18 7½	...	10 6	391	481
Door jambs	1	20 0	...	0 9	15	
Windows do.	3	17 0	...	0 9	38	
Basement	2	18 7½	...	1 0	37	
<i>Deductions.</i>						
Door	1	4 0	...	8 0	32	85
Windows	3	3 6	...	5 0	53	
Superficial feet ...	...	...	...	...	...	396
Squares ...	...	...	...	...	...	3-96
<i>Plastering and washing interior.</i>						
Rooms	2	46 0	...	10 0	920	1,123
Gables	4	15 0	...	2 6	150	
Door jambs	1	20 0	...	0 9	15	
Window jambs	3	17 0	...	0 9	38	
<i>Deductions.</i>						
Doors	1	4 0	...	8 0	32	85
Windows	3	3 6	...	5 0	53	
Superficial feet ...	...	...	...	...	...	1,038
Squares ...	...	...	...	...	...	10-38
Tiled roofing with flat and pan tiles, including teak reepers, chunam bands, &c., complete rooms	...	19 0	...	21 0	399	7-79
Verandahs	2	19 0	...	10 0	380	
Superficial feet ...	...	...	...	...	...	779
Squares ...	...	...	...	...	...	...
<i>Flooring with 9 inches square pavement tiles.</i>						
Rooms	2	8 0	...	15 0	240	4-54
Verandahs	2	18 7½	...	5 9	214	
Superficial feet ...	...	...	...	...	...	454
Squares ...	...	...	...	...	...	...
Lead or zinc sheet to the valleys 18 inches broad	...	12	Lineal feet.	...	...	...
Exterior drain	...	38	Lineal feet.	...	...	

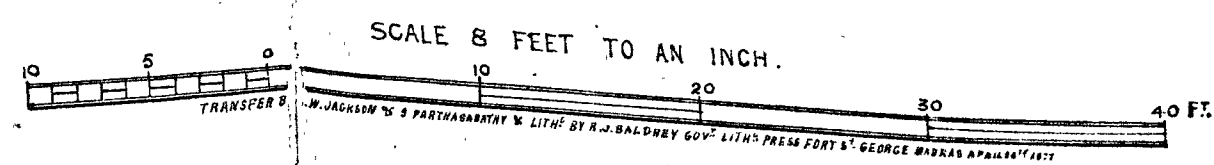
Proceedings of the Madras Government, Public Works Department,
7th March 1877. No. 786.

ABSTRACT.

Quantity.	Item.	Rate.	Per	Amount.	Total.
337 C. yds.	Excavation for foundations ...	...	C. yd.	...	...
2,273 C. ft.	Concrete	...	C. ft.	...	...
2,909 "	Brickwork in foundations ...	...	"	...	...
947 "	Do. in basement ...	...	"	...	...
5,361 "	Do. in superstructure ...	...	"	...	...
77 "	Cut-stone if procurable at reasonable rates ...	...	"	...	...
13 "	Stone under posts and trusses ...	...	"	...	...
80 C. yds.	Filling in basement... ..	...	C. yd.	...	...
532 C. ft.	Teakwood wrought and put up ...	...	C. ft.	...	...
120-32 lbs.	Wrought iron in trusses ...	...	lb.	...	...
387 S. ft.	Venetian and panel doors and windows with frames ...	...	S. ft.	...	...
35 "	Venetian windows with frames and iron bars ...	...	"	...	...
120 "	Batten doors with frames for jail ...	...	"	...	...
98 "	Iron barred shutters for do. ...	...	"	...	...
40 "	Ventilator frames with iron bars for jail ...	...	"	...	...
2 No.	Semi-circular lights in Court-room gables ...	...	each.	...	...
25 95 Sqrs.	Painting doors and windows and exposed woodwork with 3 coats of Carson's oak color ...	...	Sqrs.	...	...
29-93 "	Pointing exterior ...	...	"	...	...
49-02 "	Plastering and washing interior ...	...	"	...	...
51-50 "	Tiled roofing complete ...	...	"	...	...
21-96 "	Flooring with 9 inches square tiles including foundations ...	...	"	...	...
6-12 "	Flooring with asphalt ½ inch thick including foundations ...	...	"	...	...
81 L. ft.	Lead or zinc sheets to the valleys... ..	...	L. ft.	...	...
291 "	Exterior drain ...	...	"	...	...
	Contingencies at 5 per cent ...	...	"	...	...
<i>Registrars' and Post Offices.</i>					
58 C. yds.	Excavation for foundations ...	...	C. yd.	...	...
392 C. ft.	Concrete	...	C. ft.	...	...
505 "	Brickwork in foundations ...	...	"	...	...
162 "	Do. in basement ...	...	"	...	...
1,010 "	Do. in superstructure ...	...	"	...	...
14 "	Cut-stone if procurable at reasonable rates ...	...	"	...	...
1½ "	Stone under posts ...	...	"	...	...
13 C. yds.	Filling in basement... ..	...	C. yd.	...	...
70 C. ft.	Teakwood wrought and put up ...	...	C. ft.	...	...
32 S. ft.	Venetian and panel door with frames ...	...	S. ft.	...	...
53 "	Venetian windows with frames and iron bars ...	...	"	...	...
3-05 Sqrs.	Painting doors and windows and exposed woodwork with 3 coats of Carson's oak color... ..	...	Sqrs.	...	...
3-96 "	Pointing exterior ...	...	"	...	...
10-38 "	Plastering and washing interior ...	...	"	...	...
7-79 "	Tiled roofing complete ...	...	"	...	...

REVISED STANDARD DESIGN FOR A 3RD CLASS TALUQ CUTCHERRY

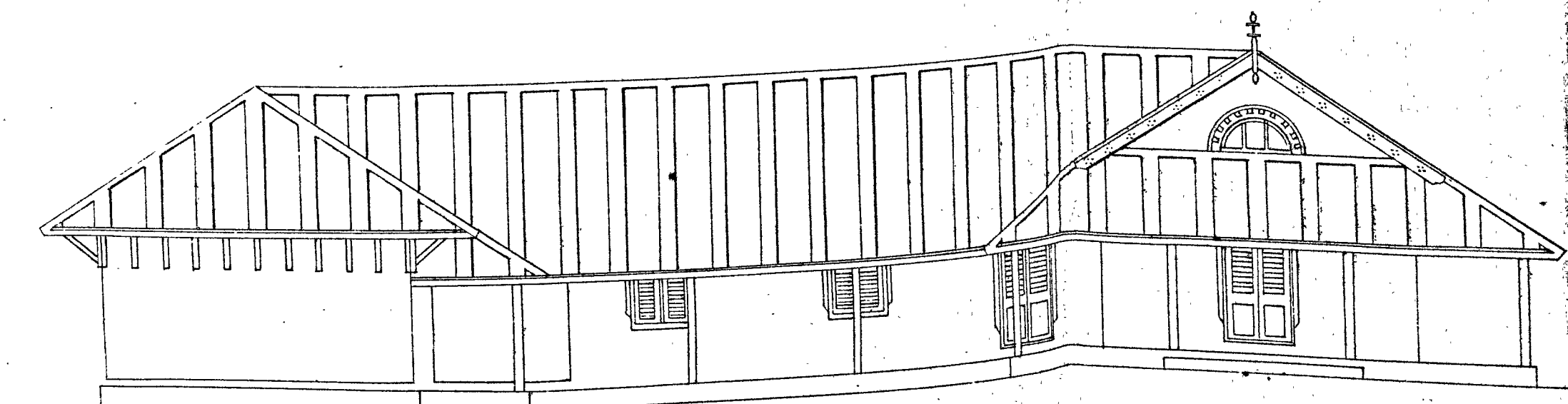
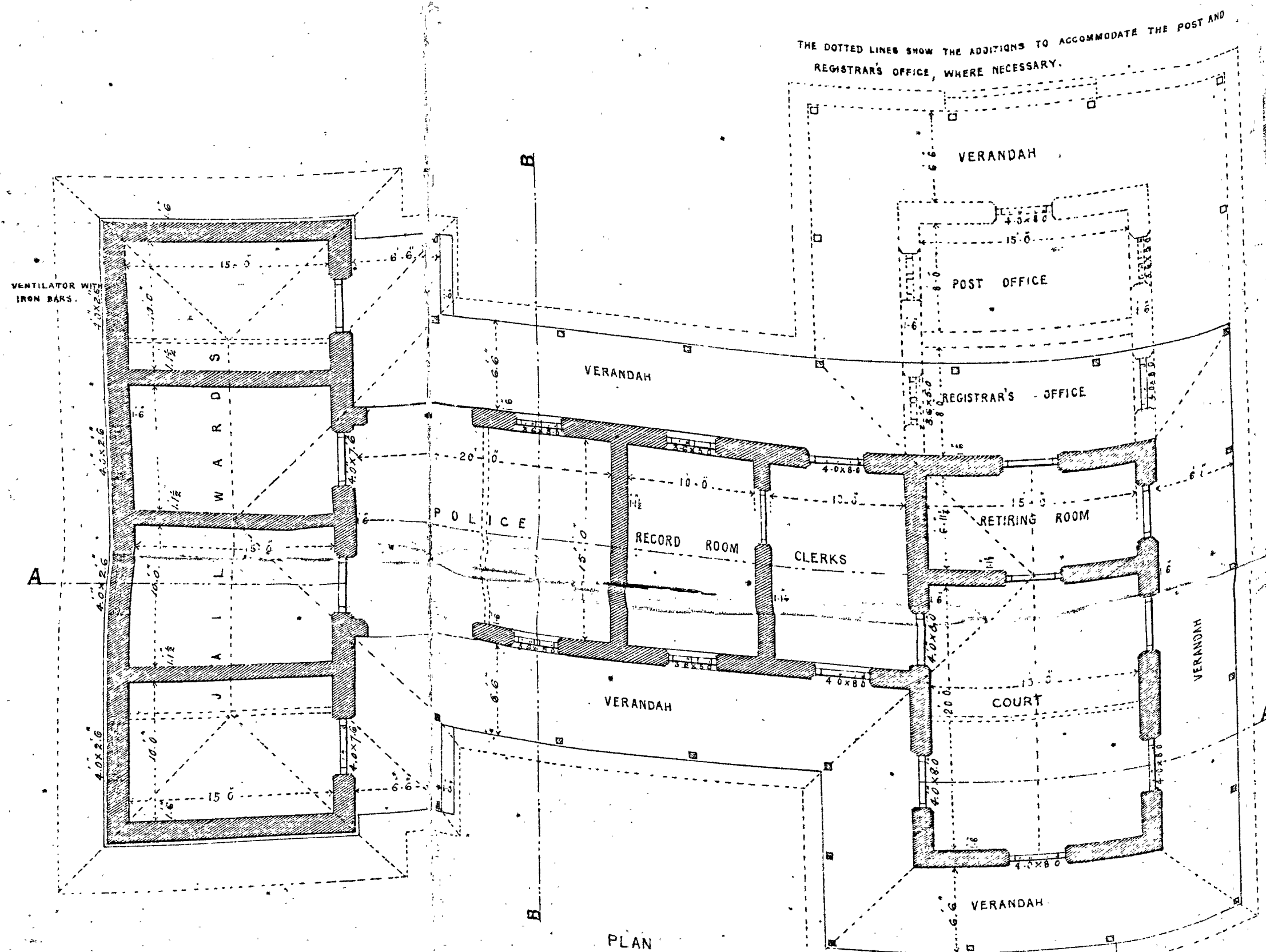
G.O. N^o 786 OF 7TH MARCH 1877



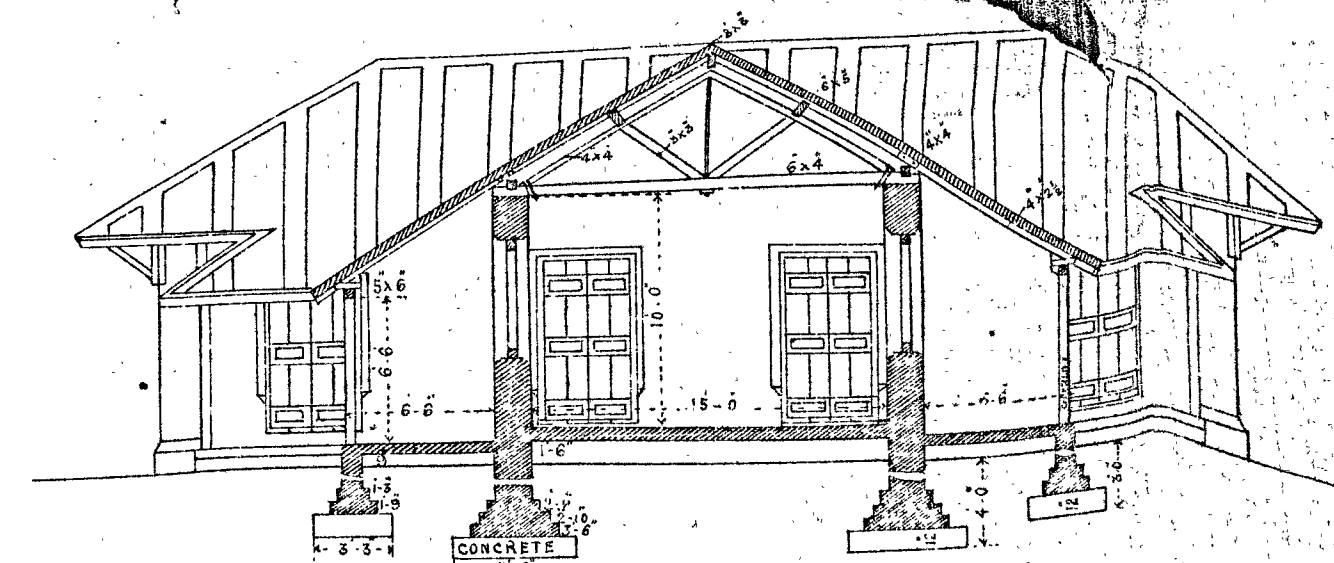
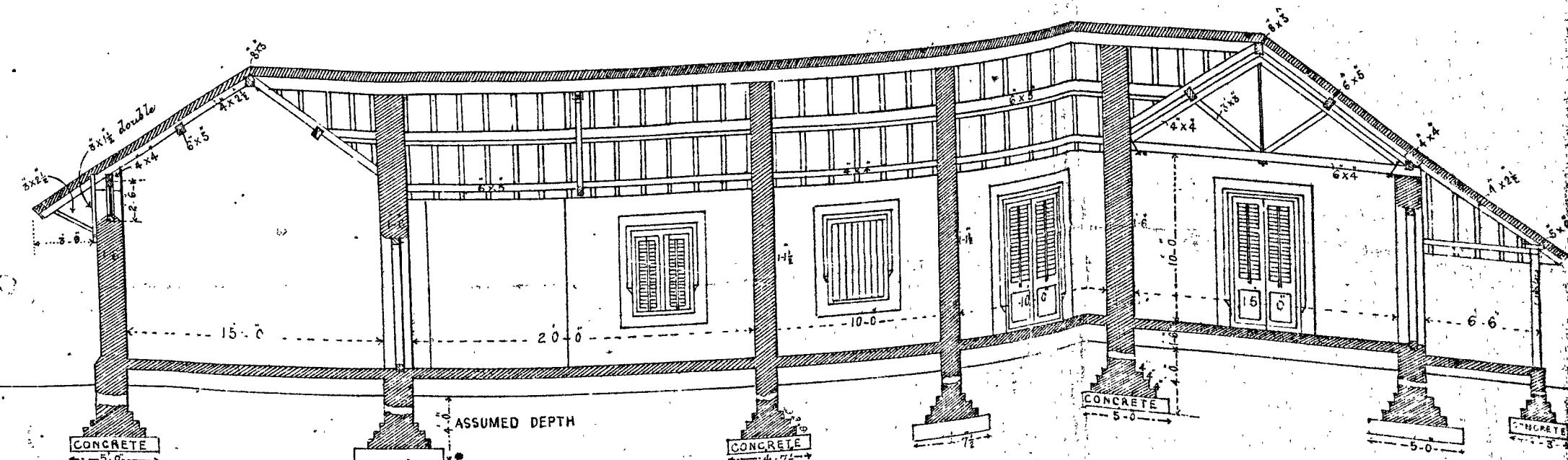
N.B. FOR DETAILS OF ROOF AND VERANDAH SEE REVISED STANDARD DESIGN FOR A 2ND CLASS TALUQ CUTCHERRY DATED 2ND JULY 1875.

(Signed) R. Chisholm
Consulting Architect to Govt.

Consulting Architects Office
Chennai 6th January 1877.



FRONT ELEVATION



(True Copy)

W. J. Salomon
Secty and Manager

W. J. Salomon

109
Read the following:—

From the Consulting Architect to Govern-
ment No 789 dated 25 January 1877.

FOR ORDERS.

approved
JBC 3/4

Submitted to
His Grace the Governor with
reference to remarks
on former draft order.

Samuel Mayhew
Secretary to Govt.

1630

CONSULTING ARCHITECT'S OFFICE,

Chepauk, 25 January 1877

From

THE CONSULTING ARCHITECT TO GOVERNMENT.

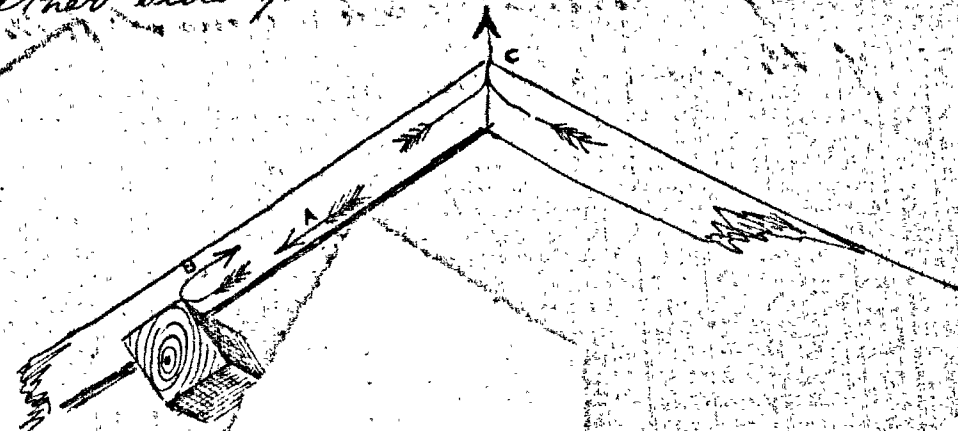
Te

THE Secretary to
Government Public Works Dept.

SIR,

I have the honor to acknowledge the receipt
of your letter No 81 I dated the 2^d January 1877
Yours faithfully
Wm. A. R. of His Grace

With reference to the remarks of His Grace
The Duke of Buckingham and Chandos I beg
leave respectfully to point out that the sketch
in the specification which is not to scale
seems to have misled His Grace. The nails
are merely to hold the roof together. The
dragging tendency of the tiling is prevented
by the purlin not the ridge which is
merely a bearing plate for the ends of the
rafters. That is to say, the tendency to slide in
the direction of the Arrow A is returned
by the purlin (arrow B) and the forces on
either side produce an upward resultant (C)



Enclosures.

2. Estimates

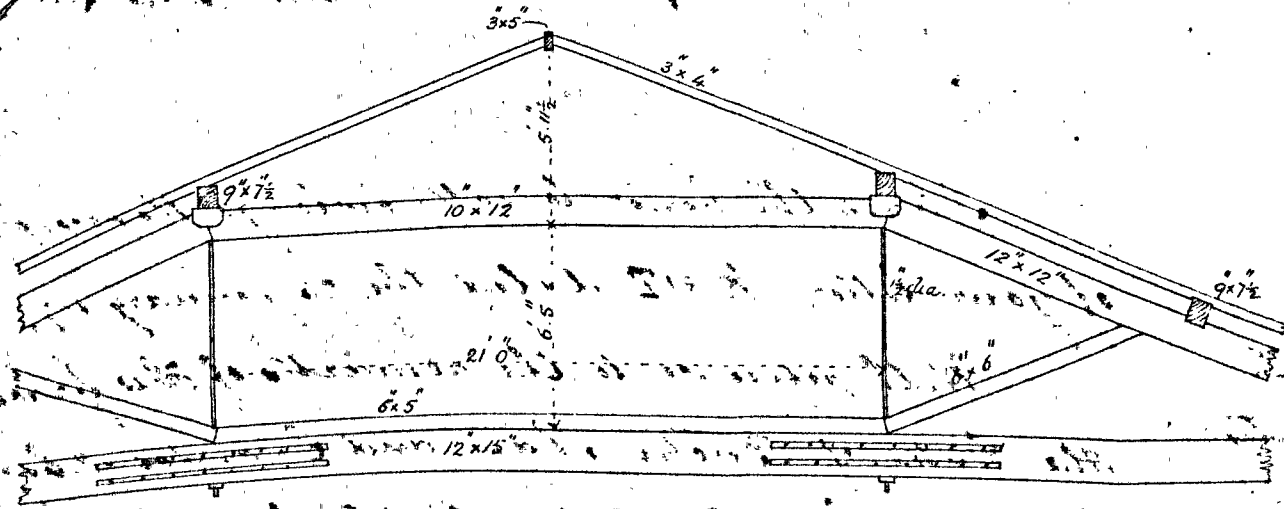
3 Tracings

[Faint handwritten notes, possibly bleed-through from the reverse side.]

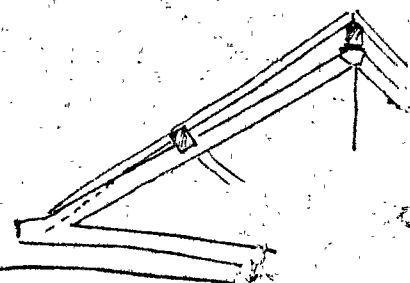
Returned from circulation Aug 7th 1902

were it not for the difficulties in Carpentry the ridge could be dispensed with entirely without weakening the truss.

In the Senate house a roof of 60 ft span the ridge is supported throughout by the common rafters. (* see foot note).



The particular merits which I claim for this form of Truss are extreme simplicity of joining and great strength obtained by bolting the ridge to the trusses. This simple expedient dispenses with a Cast iron head piece (an incomprehensible thing to a profuse Carpenter) and produces a most valuable longitudinal tie. Whether the rafters support the ridge, or the ridge the rafters, this expedient can of course be adopted only if it is adopted in the latter case the slope of the common rafters cannot follow the lines of the principal rafters.



the ordinary mode of construction in Europe.

and every notching and halving will be on skew beds.

I make these explanatory remarks with no desire to hold to an opinion but simply to let His Grace see that I have not adopted this form of Truss without the most careful consideration and I may add that the practical result in roofs actually constructed proves the form to be both sound and cheap.

I have the honor to be

Sir
your most obedt servt

R. W. H. W. H.
Consgr Archt to Governm

P.W.D.

26 JAN 77

768

From

No 789

The long wall is
symmetrical

The secondary is
symmetrical

P.W.D.

Dated 26th January 1877
Revised

Return Specification
of Jaly Cutcherry
with remarks

No 1680

Specification of works to be performed in constructing
a third class Talug Cutcherry according to the
revised drawing, dated 5th January 1877.

Excavation

After the centre lines of the walls have
been pegged out, and the breadths of the
foundations lockpitted, excavate the trenches
to the full depths shown on the drawing, or to
such other depths as the Officer in charge of the
works may direct.

Concrete

On receipt of a written order from the
Officer in charge of the works to the effect that
the foundation trenches have been sufficiently
sunk, proceed to lay 12 inches of Concrete, or such
depth as may be considered necessary by the
Officer in charge.

The Concrete will be put down in successive
layers, 6 inches thick, well rammed with heavy
beaters.

Brickwork in chumam.

On the completion of the Concrete, the
centre lines will be carefully laid out and the
footing courses commenced. The foundation
brickwork will be carried up in steps 6
inches high with a 3 or 4 inch offset on

either side according to the drawing.

The outer walls will be two bricks thick (18 inches) and the partitions one and a half bricks thick (13½ inches)

All openings will have splayed edges measuring 3 inches on the face of the splay.

The heads of all openings will have flat arches 18 inches thick. The bricks will radiate to a centre midway between the top and bottom of each opening.

In localities where stone is cheap, a stone curbing should run all round the edge of the verandah and the top of the plinth, and stone slabs should be placed under the wooden posts and trusses.

The teakwood trusses, rafters, verandah posts &c., will be executed in strict accordance with the details shown on the drawing.

In framing the trusses, the heels of the rafters will be let into the tie beams and strapped down tight and the heads allowed to butt simply; over the head a hallow chock† will be fastened on by the first nut. (The

Walling

Splay

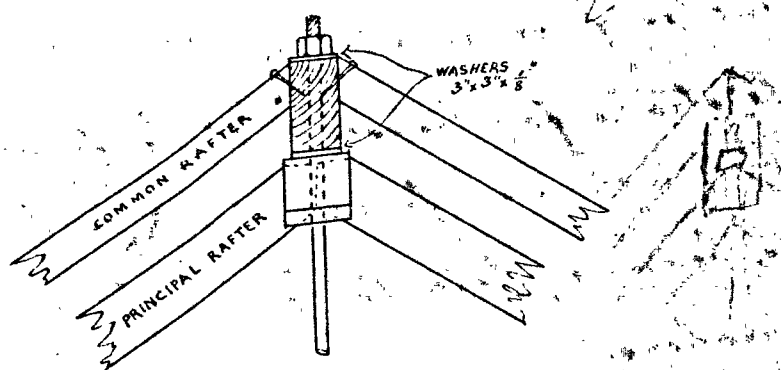
Arching

Stonework

Teakwood



struts having been cut to admit of the proper camber). A rope lapped round the truss and twisted up tight will bring the tie beam to the required camber, enable the ^{workmen} ~~posts~~ to be screwed home. The lower ends of the struts will butt against the tie beam, and be held in their places by round pieces of wood. The upper ends will be tenoned into the rafters. After the trusses are in position the ridge piece may be added. The purlins and rafters should be halved.



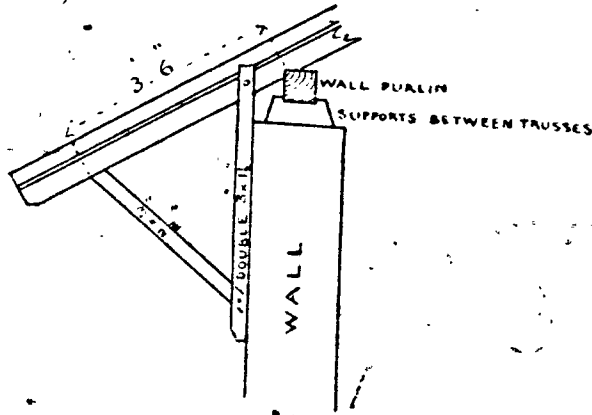
Rafters

each to the extent of 1 inch. The purlins over the walls should be supported between the trusses.

The rafters may be halved into the purlins to the extent of ¾" but the purlins must not be cut, as the full section is required for the roof. Where verandahs are shown the rafters will project beyond the wall purlins, and rest on brackets supported by posts. Each rafter must butt against the ridge and be spiked to it as shown on the drawing.

In the gail, the rafters will be strutted at

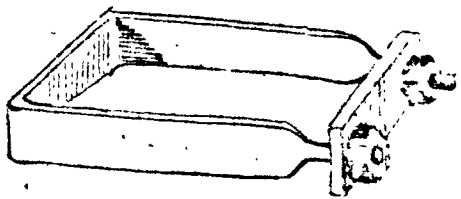
at a distance of 3 feet 6 inches from the wall purlin.



Ironwork

The tie rods will be of the forms and dimensions as shown, lower ends to have octagonal head and 2 3/4 inches square by 1/2 inch washers. The upper end 9 inches of worm and double nuts & washers.

The straps for trusses will be formed of 1 inch by 3/8 inch iron forged to a 1/2 inch screw at ends, bearing plate 1 1/4 by 1/2 inch, with nuts and washers.



The doors will be one third panel and two thirds venetians. The panels to be raised and screwed instead of grooved and tongued, and the edges splayed and not moulded. Venetians to be of ordinary construction.

The jail doors will be formed with battens 6 inches wide and 1 1/2 inches thick with.

Doors

with wooden frames and iron shutters of the forms and dimensions shown on the plan of details for "first class Salug Butcheries, dated April 1872".

Painting

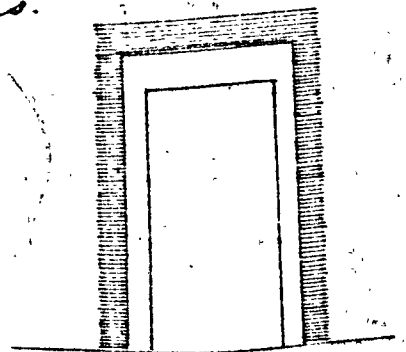
All doors and windows and exposed woodwork of roof will be painted with 3 coats of "Barsons oak color".

Plastering

One coat of rough cast. Lay with hand floats one coat of rough cast over the whole of the interior, and bring to a smooth and level surface.

White-wash

White wash all interior jambs and soffits, 9 inches in breadth at sides and 12 at tops of all openings. Color wash all remaining portions.



Pointing

Rake out the exterior joints of all masonry work to the depth of half an inch, well wash the surface and point with flush pointing. The mortar should be toned to the color of the brick by the addition of red ochre.

Roofing

Leadung

After the whole of the carpentry of the

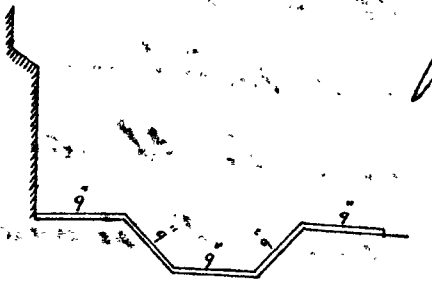
roof has been completed, lay in the valleys 18 inches broad leading (or zinc, if sheet lead is not procurable) with a lap of 9 inches where joined.

Cover the roof with well burnt tiles laid in the usual manner, and protect the ridges and hips in tiles specially made for the purpose.

Protect the ridges, hips and eaves with Chunam bands rough cast on the surface and lay bands on the tiling inches broad and inches apart.

After the masons have brought the surface up ready to receive the floor tiles, lay an even floor of 9 inches square tiles set diagonally. The tiles will be rubbed on the surface and gauged to fit each other.

All round the exterior build a drain of flat 9 inch tiles as sketched below, varying the section of the drain according to the slope of the ground.



W. Lister

Consulting Archt to Govt

Tiling

Chunam bands

Flooring

Exterior drain

Estimate for constructing a 3 class Siling butchery as revised drawing dated 1st January 1877.

Detailed quantities

Description of work	No	L	B	D	Contents	Total
<u>Excavation for foundations</u>						
Court room outer walls	1	92.12	5	0	4	1843
do partition	1	11	6	4	7	213
Police, record & clerk room, front and rear walls	2	38	9	5	0	1550
do partitions	2	11	6	4	7	426
Jail wards outer walls	1	122	9	5	0	2455
do partitions	3	11	6	4	7	638
Verandah walls	1	198	0	3	3	1931
Stairs	1	11	0	1	0	17
do	2	6	2	1	0	19
					Cubic feet	9092
					Cubic yards	337

Concrete

Excavation	4				Cubic feet	2273
<u>Brickwork in foundations</u>						
footings						
Court room outer walls	1	92.12	2	10	1	392
do partition	1	13	8	2	5	50
					Carried over left	442

Brought forward 6 ft. 442

Police, record & clerks room front					
and rear walls	2	40	11	2	101
do partitions	2	13	5	2	52
Jail wards - outer walls		122	9	2	101
do partition walls	3	13	8	2	52
Verandah walls		200	2	1	61
Above footings to ground level					
Court room - outer walls		92	12	1	61
do partition	1	15	0	1	12
Police, record & Clerks room front					
and rear walls	2	42	3	1	61
do partitions	2	15	0	1	12
Jail wards - outer walls		122	9	1	61
do partitions	3	15	0	1	12
do extra thickness for plinth		36	8	2	41
Verandah walls		201	6	0	91
Steps	1	11	0	1	01
do	2	6	3	1	01

Cubic feet 2909

Brickwork in basement

Court room - outer walls		92	12	1	61
do partitions	1	15	0	1	12
Police, record and Clerks room					
front and rear walls	2	42	3	1	61
do do partitions	2	15	0	1	12
Jail wards - outer walls		122	9	1	61
do partitions	3	15	0	1	12
do extra thickness for plinth		36	8	2	41
Verandah walls		201	6	0	91
Steps	1	11	0	1	01
do	2	6	3	1	01

1031

Deductions

cutstone as per details					77
Under posts - do					7

84

Cubic feet 947

Brickwork in Superstructure

Court room - outer walls		92	12	1	61
do partitions	1	15	0	1	12
do gables	2	18	0	1	63
do do	1	18	0	1	63
Police, record, clerks room, front					
and rear walls	2	42	3	1	61
do partitions	2	15	0	1	12
do gables	2	18	0	1	63
do do	2	18	0	1	63
Jail wards - Outer walls		122	9	1	61
do partitions	3	15	0	1	12
do gables	3	18	0	1	63

Deductions

Police room openings	2	8	0	1	61
Doors with flat arches 2/3 of	9	40	0	1	65
do do do	2	40	0	1	65
do do do	4	40	0	1	65
Windows	4	3	6	1	65
Jail ventilators	4	4	0	1	62
Stones under trusses as per details					532

N.B. One third the area of doors & windows allowed to cover expense of cutting and archwork.

Cubic feet 5301

Cutstone if procurable at reasonable rates

Capping to plinth		266	82	0	90
Steps		23	6	1	30

Cubic ft 77

Stone under posts and trusses

Under posts		22	1	0	1
do trusses		8	1	6	1

Cubic ft 13

Earth filling in basement

Basement	26	11	15	0	0	404
Police &c	40	0	15	0	1	600
Jail wards	40	0	15	0	1	600
Verandahs	108	6	5	9	2	522

Cubic ft. 2146

Cubic yds 80

Teakwood

4 Trusses 15 ft span	See beams	4	18	0	0	4	0	6	12
	Principal rafters	8	9	9	0	4	0	4	9
	Stents	8	4	9	0	3	0	3	2
	Purlins	2	35	0	0	5	0	6	15
	do	2	54	0	0	5	0	6	23
	do	2	36	9	0	5	0	6	15
	do	2	8	6	0	5	0	6	4
	do over police openings	2	10	0	0	5	0	6	4
	Wall purlins	2	35	0	0	4	0	4	8
	do	2	46	0	0	4	0	4	10
	do	2	46	6	0	4	0	4	10
	do	2	18	0	0	4	0	4	4
	Ridge	1	35	0	0	3	0	8	6
	do	1	61	6	0	3	0	8	10
	do	1	29	0	0	3	0	8	5
	Common rafters	144	10	6	0	2	1	0	105
	do in court gables	8	13	0	0	2	1	0	7
	do	44	14	9	0	2	1	0	46
	do in verandahs	125	10	0	0	2	1	0	87
	Ship rafters	4	14	0	0	3	0	5	6
	do for jail	4	19	6	0	3	0	5	8
	do for verandah	8	12	0	0	3	0	5	10
	Posts	22	7	0	0	5	0	5	27
	Breastsummers	211	0	0	0	5	0	6	44
	Small uprights over do	137	1	0	0	2	1	0	7
	Cheek pieces do	274	1	3	0	2	0	1	7
	Large board for court gables	4	13	0	0	1	1	0	6
	Caves board throughout	335	0	0	0	1	0	5	12

Carried over ft 508

Brought forward ft 508

Jail stents	56	3	0	0	2	0	3	9
do at angles	4	3	6	0	2	0	3	7
do uprights	112	4	0	0	1	2	0	14

Cubic ft 532

Wrought Ironwork in Trusses

1 inch diameter king rods	4	7	0	28	x	2.62	73.36
1 inch hex nuts & bolt heads	12				x	0.55	6.60
3 inches x 3 inches x 1/8 inch washers	12				x	0.32	3.84
1 inch x 3/8 inch flat iron straps	8	2	6	20	x	1.25	25.00
1 1/2 inches x 1/2 inch bearing plates	8	0	6	4	x	2.08	8.32
1/2 inch hex nuts for straps	16				x	0.06	0.96
2 inches x 2 inches x 1/8 inch washers	16				x	0.14	2.24

Lbs 120.32

Doors and windows Venetian and panel with frames

Doors	11	4	0	0	8	0	352
Windows	2	3	6	5	0	0	55

Superficial ft 387

Venetian windows with frames and iron bars for record room

	2	3	6	5	0	35	Sup ft
--	---	---	---	---	---	----	--------

Batten doors with frames for jail wards

	4	2	4	0	7	6	120	Sup ft
--	---	---	---	---	---	---	-----	--------

Iron barred shutters for jail wards (vide details for 1st class Salug Cutcherries)

	4	3	6	7	0	98	Sup ft
--	---	---	---	---	---	----	--------

Ventilator frames with iron bars
for jail wards

4 4 0 2 6 40 Suplft

Semi-circular light in court room
gables

2 in Number

Painting doors and windows and
exposed woodwork of roofs

Doors panel portion	2x	11 4 0	2 8	335
Doors Venetian	3x	11 4 0	5 4	714
Windows do	3x	4 3 6	5 0	218
Jail doors	2x	4 4 0	7 6	240
do iron shutters	2x	4 3 6	7 0	196
Ventilator frames	2x	4 4 0	2 6	80
Semi-circular lights	2x	2 6 3 area		25
Pasts	22	1 8	6 6	238
Barge boards	4	13 0	1 0	52
Caves boarding		335 0	0 6	168
Jail stents	56	3 0	0 11	154
Do at angles	4	3 6	0 11	13
Do uprights	112	4 0	0 7 1/2	280

Suplft 2595

Squares 25.95

Painting exterior

walls	275-4½	10	6	2891
Gables	2	18	0	108
Sides of openings Police	4	1	6	60
Door Jambs	8	20	0	120
Window do	4	17	0	57
Jail doors do	2	19	0	29
do Ventilators do	4	9	0	27

Carried forward 3286

Brought forward L. ft. 3286

Semi-circular ventilators do	2	10 3	0 9	18
Basement		291 1/2	1 0	291
				3592
Deductions				
Police openings	2	8 0	10 0	160
Doors	8	4 0	8 0	256
Windows	4	3 6	5 0	70
Jail doors	2	4 0	7 6	60
do ventilators	4	4 0	2 6	40
Semi-cir do in gables	2	6 3 area		13
				599

Suplft 2998

Squares 29.93

Plastering and washing interior

<u>astering and washing interior</u>			
Court room	78 - 0	10 - 0	700
Retiring room	43 - 10 $\frac{1}{2}$	10 - 0	439
Gables	4 15 - 0	2 - 6	150
Clerks and record room	2 50 - 0	10 - 0	1000
Police	70 - 0	10 - 0	700
Gables	6 15 - 0	2 - 6	225
Jail wards	4 50 - 0	10 - 0	2000
Gables	6 15 - 0	2 - 6	225
Door jambs	8 20 - 0	0 - 9	120
— do —	2 20 - 0	1 - 1 $\frac{1}{2}$	45
— do —	1 20 - 0	1 - 6	50
— do —	4 17 - 0	0 - 9	57
Window jambs	2 19 - 0	0 - 9	29
Jail door — do —	2 19 - 0	1 - 6	57
— do — do —	2 19 - 0	0 - 9	27
— do — Ventilators — do —	4 9 - 0	0 - 9	15
Semi circular — do — do —	2 10 - 3	0 - 9	15
			5813

Deductions

Police openings	2	8 0	10 0	160
Doors	8	4 0	8 0	256
do	2x	3 4 0	8 0	192
Windows	4	3 6	5 0	70

Carried over L. ft. 678 5813

Brought forward Lt 678 5813			
Jail doors	2 4 . 0	7 . 6	61
do ventilators	2 x 2 4 . 0	7 . 6	120
Semi-circular do	4 4 . 0	2 . 6	40
do	2 6 . 3 area		13

911

Suplft 4902 ✓

Squares 49.02 ✓

Tiled roofing with flat and pan tiles
including teak rafters & chunam
bands & complete.

Court and retiring room	33 . 0	21 . 0	698
Clerks, record and Police do	52 . 9	21 . 0	1108
Jail wards	70 . 0	15 . 0	1850
do	38 . 0	10 . 6	399
Verandahs	190 . 0	10 . 0	1900

Suplft 6750

Squares 67.50

Flooring with 9" square pavement tiles

Court and retiring room	26 . 11 1/2	15 . 0	404
Clerks, Record and Police do	40 . 0	15 . 0	600
Verandahs	190 . 0	5 . 9	1093
Police openings	2 8 . 0	1 . 6	24
Door pieces	9 4 . 0	1 . 6	54
do	2 4 . 0	1 1/2	9
do Jail	4 4 . 0	0 . 9	12

Suplft 2196

Squares 21.96

Flooring with Asphalt 3/4" thick

Jail wards	4 10 . 0	15 . 0	600 ✓
Door pieces	4 4 . 0	0 . 9	12 ✓

Suplft 612 ✓

Squares 6.12 ✓

Laying Lead or zinc sheets to
the valleys 18" broad

3 . 27 . 0 81 Linealft ✓

Exterior drain 291 Lineal feet.

Detailed quantities for Registrars and Post Offices

Excavation for foundations

Outer walls	18 . 95 . 0	4 . 0	975
Partition	1 11 . 64	7 1/2 4 . 0	213
Verandah walls	2 18 . 72	3 . 33 . 0	363
Step	1 11 . 01	0 . 1 . 6	17

Cubic feet 1568

Cubic yards 58

Concrete 12" thick

Excavation 4 =

Cubic ft 392

Brickwork in foundations

footings					
Outer walls	50	11	2	10	1
partition	1	13	8	2	5
Verandah walls	2	18	7	1	6
Above footings to ground level					
Outer walls	52	3	1	6	1
partition	1	15	0	1	1
Verandah walls	2	18	7	1	0
Steps	1	11	0	1	1

Cubic ft 605

Brickwork in basement

Outer walls	52	3	1	6	1
partition	1	15	0	1	1
Verandah walls	2	18	7	1	0
Step	1	11	0	1	1

Deduct

cut stone as per details	14
Stone under posts	1

Cubic feet 162

Brickwork in superstructure

Outer walls	52	3	1	6	10
partition	1	15	0	1	10
gables	1	18	0	1	6
do	1	18	0	1	1

Deductions

Doors with flat arches - 2/3 of	1	4	0	1	6
Windows do do	3	3	6	1	6

Cubic feet 1010 1/2

cut stone (if procurable at reasonable rates)

Capping to plinth	2	18	7	1	0
Steps	1	11	0	1	1

Cubic ft 14

Stone under posts

4	1	0	1	0	0
---	---	---	---	---	---

13 Cubic ft

Earth filling in basement

Post and registration Offices	2	8	0	15	0
Verandahs	2	18	7	1	0

Cubic ft 347

Cubic yards 13

Teakwood.

Purlins	2	19	0	0	5
Wall do	2	19	0	0	4
Ridge	1	19	0	0	3
Common rafters	24	10	6	0	2
Verandah do	26	10	0	0	2
do hip rafters	2	14	0	0	3
Posts	4	7	0	0	5
Breastsummers	2	19	0	0	5
Small uprights over do	24	1	0	0	2
Chock pieces do do	48	1	0	0	3
Eaves boarding	2	19	0	0	1

Cubic ft 70

Doors Venetian and panel with frames

1	4	0	8	0	32
---	---	---	---	---	----

32 Suppl ft

Venetian windows with frames and iron bars

3	3	6	5	0	53
---	---	---	---	---	----

53 Suppl ft

11

Painting doors and windows and
exposed woodwork of roofs

[illegible]

Painting exterior
walls

Deductions		Additions		
Door	1	18 - 7½	10 - 6	391
Windows - do	1	20 - 0	0 - 9	15
Chasement	3	17 - 0	0 - 9	85
	2	18 - 7½	1 - 0	37
				401
Deductions				
Door	1	4 - 0	8 - 0	32
Windows	3	3 - 6	5 - 0	58
				85
				396
				396

Plastering and washing interior
rooms

rooms	2	46.00	10.00	920
Gables	4	15.00	2.60	150
Door Jambs	1	20.00	0.90	15
Window Jambs	3	17.00	0.90	38
Deductions				1123
doors	1	4.00	8.00	22
Windows	3	3.60	5.00	55
				85
				1035
				1038
tiled roofing with flat & pan tiles including teak slapers Chamam bands & 1/2" m. felt rooms	19	0.00	21.00	399
Carried forward				399

Brought forward — 399

Verondaks	2	19	0	10	0	380
-----------	---	----	---	----	---	-----

Sq ft	779
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Squares—

Flooring with 9" square pavement tiles

rooms	2	8	"	0	15	"	0	244
Verandahs	2	18	"	7½	5	"	9	214

Suppleet 454

Squares

Lead or zinc shot to the valley
18 inches broad _____ 12 Linear feet

Exterior drain _____ 38 Lineal feet.

Abstract

Quantity	Item	Rate	Per	Amount	Total
337	Byds Excavation for foundations		Byds		
2273	lft Concrete		lft		
2909	" Brickwork in foundations				
947	" " in basement				
5361	" " in superstructure				
77	" Cut stone if procurable at reasonable rates				
13	" Stone inside posts & trusses		Byds		
80	Byds Filling in basement		lft		
532	lft Oakwood wrought & put up		th		
120.32	th Wrought iron in trusses				
387	Sft Venetian and panel doors and windows with frames		sft		
35	" Venetian windows with frames and iron bars				
120	" Batten doors with frames for jail				
98	" Iron barred shutters for do				
40	" Ventilator frames with iron bars for jail				
2	" Semi-cir. lights in Court room gables		each		
25.96	sqrs Painting doors and windows & exposed woodwork with 3 coats of carsons oak color		sqrs		
29.93	" Pointing exterior				
49.02	" Plastering and washing interior				
51.50	" Tiled roofing complete				
21.96	" Flooring with 9" square tiles including foundations				
6.12	" Flooring with asphalt $\frac{3}{4}$ " thick including foundations				

P.W.D.

8 JAN 77

Revised Standard Design for
3rd class Talug butcherries.

Specification and
detailed quantities

2

Consulting Architects Office
6th January 1877.

No. 753

CONSULTING ARCHITECT'S OFFICE,

Chepauk, 6th January 1877.

From

THE CONSULTING ARCHITECT TO GOVERNMENT,

To

THE Secretary to Government,
Public Works Department.

SIR,

In compliance with G.O. No. 175
dated 30th October 1876, I have the
honor to submit the Revised Standard
design for 3rd class Talug butcherries
with Specification and Schedule of
quantities.

I have the honor to be,
Sir

Your most obedient servant

R. Krishna Rao
Consulting Architect
to Government

G.O. 7th March 1877 L.B.
No. 168

G.O. 30-5-76 No. 1353.
" 30-10-76 - 175.

P.W.D.

8 JAN 77

No. 163

Submitted revised Standard
design for 3rd class ceiling
Curtainees with specification
and schedule of quantities

Endorsed. Mr. C. V. S. S. S. S.

dated 6 January 1977

The Secretary to Government
P. W. D.

The Consulting Architect
to Government

No. 753

Recd 1st

Design Estimates & Specifications
for construction of 3rd
Class Laid out Curtains are
sent to the Consulting Architect
to Government with reference to the
following remarks by His Grace
the Governor

Mr. J. S. S. S. S.
Off. Secy to Govt.
P.W.D.

14th Jan 1977

To the Consulting Architect
with a reference

Remarks by His Grace the Governor

The roof specification needs
looking at. The tiling will drag
rafters down & open the ridge
& dependant on nails. Nails

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

Read the following

From

The Consulting Architect

to Govt.
do do

The roof specification needs + with
looking at. The tiling will
drag rafters down & open the
ridge if dependant on nails. Nails
should bear on rafters &
only keep them steady.

Ordered, that the
Specification and Estimate
Drafts be printed
and the revised design
lithographed for adop-
tion as the Standard
design for 3rd Class
Laid out Curtains

S. E. 187 132
C. Archt. to Govt. 3

for C. Dept. 30 copies +
1 copy each to R. B. D. 25 copies of SO

8-6-77 Disptd 16.5.77

W. Attch

N. 168

19-1-77

17-6-89 ✓
22-11-93 Pub. ✓

1768
169
1877

Pub. of 1877

PUBLIC WORKS.



District Engineers

Dated

Issued

Recd.

Encl.

G. O. 7 March 1877, No. 77

Nos. 168
169

Approved by the
Standard designs for
3rd Class Landing Catches
The specific estimate
submitted, ordered to be
and the usual design
submitted for adoption
the —

W. D. C. R. 1877