Judicial (1895) Department.

ORDINARY MS.

G.O., No. 1582

Dated 29th July 1895

INDEXED.

[Despatch Abstract.]

TYPE PLANS OF A DISTRICT POLICE OFFICE.

Communicating to the Inspector General of Police, Proceedings, Public Works Department, circulating to officers of that Department, for information and guidance, the----with schedule of quantities and descriptive specification.

AJ

BACK PAPERS.

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

FURTHER PAPERS.

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

Annexure to G.O., No. 1323 W., dated 6th June 1895.

STANDARD design for a District Police office as per type plans A and B signed by the Consulting Architect to Government on 4th September 1894.

DESCRIPTIVE SPECIFICATION.

Foundations.—A depth of 4 feet is provided in the quantities, but this should be locally settled according to the nature of the soil. The foundations will be entirely of concrete.

Walling.—The walls will be carried up in English bond according to the various thicknesses shown on the drawing 2½ bricks and 2 bricks thick. Where stone is easily procurable the walling may be carried up in "hammer dressed," rubble work with cornice and lintels "chisel dressed."

Stone work.—Stone slabs should be placed at the bearings of beams. The steps may also be of dressed stone if procurable without great expense.

Wood work in beams and joists—To be of well seasoned Burma teak-wood. The rafters of the out-buildings may be of any other durable wood, proof against white ants. Where sound teak beams of the sizes required are not available rolled steel beams may be used, the strength to be calculated according to instructions given in G.O. No. 480 W., dated 1st March 1895.

Doors and windows—To be of well seasoned Burma teak-wood. Doors opening into verandahs will be one-third panel and two-thirds venetian; inner doors to be panelled throughout. The doors in the Crime and General Department on the basement floor and the venetian and glazed windows of the outer rooms of the upper storey will have fixed glazed heads. The ventilators will consist of a glazed shutter to open and shut on side pivots. Where the sun is likely to strike in, it may be necessary to have teak panelled shutters. All doors and windows to be furnished with strong iron hinges, bolts and fastenings for properly securing when the doors or windows are open or closed.

Cornice.—In place of usual cornice, Cuddapah or any other similar slabs resting on corbels will be fixed throughout the building. The slabs to be well fitted and the joints neatly pointed with cement.

Roofing.—The roof of the main building will consist of "pucca terracing," care being taken that proper slopes are made towards the weep-holes to be made about 2 feet apart in the parapet wall; the rain water will flow over the walls and fall clear of the building.

Roofing with Mangalore tiles.—The roofs of the out-buildings will be covered with Mangalore tiles over teak reepers. The school-room will be ceiled with planking ½″ thick overlapping one inch at joints and screwed to the under side of rafters.

Flooring.—The basement floor will be laid with Cuddapah slabs 2″ thick on a 4″ bed of concrete neatly pointed with asphalte. If Cuddapah slabs are not procurable, the floor may be laid with square bricks. The terraced floors may be plastered with Portland cement ½ inch thick, thread lined in 15 inches squares. The floors of verandahs will be laid with a fall outwards of one inch to four feet.

Interior and exterior finishing.—The interior walls will be fine plastered and polished, or plastered and whitewashed. Where good bricks or stone is obtainable, the exterior should be pointed. In damp soil, the exterior plinth, and walls inside rooms 3 feet above floor, should be plastered with Portland cement. The beams and joists of main building to be painted with three coats white paint and the wood-work of roof of out-buildings painted with three coats paint or wood-oil. The underside of the ceiling in school to be painted pale green. Doors and windows to be painted with three coats oak-paint, the pannels and venetians light oak, and the frames, rails and stiles painted dark oak.

The different kinds of work to be done will be in conformity with the standard specifications of the Public Works Department.

Estimate Form—Detail Measurements.

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Excavation for foundation.		FT. IN.	FT. IN.	FT. IN.		
Side walls of main room	2	64 6	4 6	4 0	2,322	
End and cross walls	4	15 6	4 6	4 0	1,116	
Verandah and passage walls, 2′ thick	1	141 0	4 6	4 0	2,538	
Do. cross walls	5	5 0	4 6	4 0	450	
Do. do.	2	5 6	4 6	4 0	198	
Walls of side rooms	2	101 6	4 0	4 0	3,248	
Cross wall in stair-case room	1	5 6	4 0	4 0	88	
Verandah wall, 1′ 6″ thick including partition	1	303 6	4 0	4 0	4,856	
Steps in front and rear	2	22 6	3 3	1 6	219	
Do. for stair-case	1	3 9	4 9	4 0	71	
Total earthwork, cubic feet	..	..	..	..	..	15,106
Concrete stone in chunam for foundation.						
Side walls of main room	2	64 6	4 6	4 0	2,322	
End and cross walls	4	15 6	4 6	4 0	1,116	
Verandah and passage wall, 2′ thick	1	141 0	4 6	4 0	2,538	
Do. cross walls	5	5 0	4 6	4 0	450	
Do. do.	2	5 6	4 6	4 0	198	
Walls of side rooms	2	101 6	4 0	4 0	3,248	
Cross wall in stair-case room	1	5 6	4 0	4 0	88	
Verandah wall, 1′ 6″ thick including partition	1	303 6	4 0	4 0	4,856	
Steps in front and rear	2	22 6	3 3	1 6	219	
Do. for stair case	1	3 9	4 9	4 0	71	
Total concrete stone in chunam, cubic feet	..	..	..	..	..	15,106
Basement (coursed rubble in chunam, first sort).						
Side walls of main room	2	62 6	2 6	2 0	625	
End and cross walls	4	17 6	2 6	2 0	350	
Verandah and passage walls on three sides	1	141 0	2 6	2 0	705	
Do. cross walls	5	7 0	2 6	2 0	175	
Do. do.	2	7 6	2 6	2 0	75	
Walls of side rooms	2	105 6	2 0	2 0	844	
Cross wall in stair-case room	1	7 6	2 0	2 0	30	
Verandah wall	1	307 6	2 0	2 0	1,230	
Step in stair-case room	1	3 9	4 9	2 0	36	
Steps in front and rear	2	21 6	4 0	0 6	86	
Do. do.	2	19 6	3 0	0 6	58½	
Do. do.	2	17 6	2 0	0 6	35	
Total	2	15 6	1 0	0 6	15½	
	..	..	..	..	..	4,265
Superstructure (coursed rubble in chunam, first sort).						
Side walls of main room	2	62 0	2 0	16 0	3,968	
End and cross walls	4	18 0	2 0	16 0	2,304	
Cross wall in stair-case room	1	8 0	1 6	8 0	96	
Cross walls of verandah	5	7 6	2 0	16 0	1,200	
Do. do.	2	8 0	2 0	12 0	384	
Verandah wall, 2′ thick	1	141 0	2 0	16 0	4,512	
Walls of side rooms	2	106 9	1 6	16 0	5,124	
Verandah walls	1	294 6	1 6	12 0	5,301	
Do. cross walls	2	8 0	1 6	12 0	288	
Parapet over verandah walls	1	294 6	1 6	1 0	442	
Do. over side rooms and the three sides of main front room	1	236 6	1 6	1 0	354¾	
Binding walls over cross walls of side rooms	2	18 0	1 6	1 0	54	
Extra thickness for string course and bases of verandah arches, 1½′ thick	2	270 6	0 3	0 9	101	
Do. do. for 2′ piers	2	67 6	0 3	0 9	25	
Total	..	..	..	..	24,154	
Deduct for archways of verandah	28	7 0	1 6	5 0	1,470	
Do. for segmental portion	28	21 7	Area.	1 6	907	
Do. for 6½′ span	4	6 6	2 0	8 6	442	
Do. for segmental portion	4	19 0	Area.	2 0	152	
Do. for archways, 6′ span	9	6 0	2 0	8 9	945	
Do. for segmental portion	9	16 4½	Area.	2 0	295	
Do. for archways	4	6 0	1 6	5 6	198	
Do. do. segmental portion	4	16 4½	Area.	1 6	98	
Do. archways	2	6 0	2 0	5 6	132	

Estimate Form—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Superstructure (coursed rubble in chunam, first sort)—cont.		FT. IN.	FT. IN.	FT. IN.		
Deduct for archways segmental portion	2	16 4½	Area.	2 0	66	
Do. archway in stair-case room	1	8 0	2 0	7 7½	122	
Do. do. segmental portion	1	31 6	Area.	2 0	63	
Do. doors in side room	2	4 6	1 6	9 0	122	
Do. do.	2	4 6	2 0	9 0	162	
Do. windows in side room	16	4 6	1 6	6 0	648	
Do. do. recess	16	4 6	0 9	3 0	162	
Do. for doors in Head-quarter Inspector's room.	6	4 6	2 0	9 0	486	
Do. for door in stair-case room	1	3 0	2 0	6 6	39	
Doors in crime and General Department room	8	4 6	2 0	8 4½	603	
Do. in segmental portion	8	10 4	Area.	2 0	165	
Do. for arch work over doors	8	6 0	2 0	1 0	96	
Do. do. in side rooms	18	6 0	1 6	1 0	162	
Segmental arch (7′ archway)	28	13 3	1 6	1 0	557	
Do. do. (6′ do.)	4	12 0	1 6	1 0	72	
Do. do. (6½′ do.)	4	12 9	2 0	1 0	102	
Do. do. (6′ do.)	11	12 0	2 0	1 0	264	
Do. over doors in crime room	8	10 3	2 0	1 0	164	
Do. arch in stair-case room	1	15 9	2 0	1 0	32	
Lintel stone over door in stair-case room	1	4 6	2 0	0 6	5	
Deduct for ventilators	8	3 0	2 0	1 6	72	
Do. do.	18	3 0	1 6	1 6	122	
Do. for lintel stones	8	4 0	2 0	0 6	32	
Do. do.	18	4 0	1 6	0 6	54	
Total deductions, cubic feet	..	..	..	..	9,011	
Total superstructure, less deductions, cubic feet	..	..	..	..	..	15,143
Archwork over doors and windows as per above deductions	..	..	..	..	..	258 c. ft.
Segmental arch as per above deductions	..	..	..	..	..	1,190 c. ft.
Brick in mortar.						
Filling in the space between door and window frames and the segmental arches above them	26	4 6	0 5	0 6	24	
Stair-case	1	3 9	5 0	2 6	47	
Do. do.	1	7 0	3 9	1 6	39	
Do. do.	1	8 0	3 9	0 9	23	
Do. do.	1	8 0	3 9	1 6	45	
Do. do.	1	36 0	0 4½	2 9	37	
Total cubic feet	..	..	..	..	215	
Deduct for Cuddapah slabs over the steps of the stair-case	1	40 0	3 9	0 2	25	
Total Brick in mortar, less deduction	..	..	..	..	..	190 c. ft.
Cornice work, coursed rubble stone below, Cuddapah slab, cornice around side rooms, Head-quarter Police Inspector's room and all round verandah	1	554 0	0 6	0 9	208	208 c. ft.
Dressed stonework.						
Lintel stone over door in stair-case room	1	4 6	2 0	0 6	5	
Do. over ventilators	8	4 0	2 0	0 6	32	
Do. do.	18	4 0	1 6	0 6	54	
Slabs under beams	14	1 6	1 6	0 4	11	
Total cubic feet	..	..	..	..	..	102
Cuddapah slabs for cornice.						
Verandah all round	1	332 6	2 9	..	914 4½	
Side rooms	2	105 0	2 9	..	580 3	
Head-quarter Inspector's room	1	73 0	2 9	..	200 9	
Steps of stair-case	1	40 0	3 9	..	150 0	
Total square feet	..	..	..	..	..	1,845
Teakwood wrought and put up.						
Beams	7	20 6	0 10	1 4½	164 5	
Joists in side rooms	26	41 6	0 3	0 6	134 10½	
Do. in Head-quarter Inspector's room	13	20 0	0 3	0 6	32 6	

Estimate Form—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Teakwood wrought and put up—cont.		FT. IN.	FT. IN.	FT. IN.	FT. IN.	
Joists in Crime and General Department	13	30 0	0 3	0 6	48 9	
Beams at angles	4	13 0	0 7	0 8	20 3	
Joists at angles	8	9 0	0 3	0 6	9 0	
Do. do.	8	7 6	0 3	0 6	7 6	
Do. do.	8	6 0	0 3	0 6	6 0	
Do. do.	8	4 6	0 3	0 6	4 6	
Do. verandah	8	3 0	0 3	0 6	3 0	
Do. do.	184	9 6	0 3	0 6	218 6	
Do. to stair-case	53	9 0	0 3	0 6	59 7½	
Do. for steps, stair-case	6	5 3	0 3	0 4	2 7½	
Do. do.	3	11 0	0 4	0 7	6 5	
Cross beams	3	17 0	0 4	0 9	12 9	
	1	5 6	0 6	0 4	0 11	
Total cubic feet						732
Terraced roofing.						
Verandah in front	1	39 0		9 0		
Do. at sides	2	97 6		9 0	351	
Do. between main and side rooms	2	20 0		9 0	1,755	
Head-quarter Inspector's room	1	19 0		9 0	360	
Side rooms	2	40 6		19 0	361	
				20 0	1,620	
Total square feet						4,447
Terraced flooring with brick on edge, gelly, 3" thick, one course of flat tiles and 3 coats of plastering at ceilings and ½" thick Portland cement plaster at top—						
Verandah in rear	1	38 0		9 0		
Do. between main and side rooms	2	40 0		8 6	342	
Crime and General Department	1	30 0		21 0	680	
					630	
Total square feet						1,652
Doors and windows, &c. (Measurement for doors and windows are taken according to the rules—Appendix G. to standard specification).						
Side rooms and Head-quarter Inspector's room—teak panel door with frames and iron fastenings, &c., complete	8	3 11		8 5	263 8⅔	
Panel door in stair-case room	1	2 5½		5 11½	14 7½	
Total square feet						278
Head-quarter Inspector's room, panel and venetion (outside) doors with frames and iron fastenings, &c., complete	2	3 11		8 5	66	66 sq. ft.
Venetian windows with frames and iron fastenings, &c., complete	16	3 11		5 5	339	339 sq. ft.
Crime and General Department—Panel door with glazed top frames, iron fastenings, &c., complete (inner doors)	6	3 11		11 0½	259 5½	259 sq. ft.
Crime and General Department—panel and venetian outer doors with glazed top frames and iron fastenings, &c., complete	2	3 11		11 0½	86½	87 sq. ft.
Ventilators with swing shutters over side pivots including frames, &c., complete	26	2 6		1 0	65	65 sq. ft.
Filling in basement.						
Verandah around side rooms	2	97 0	7 6	1 6	2,182½	
Do. in front	1	37 6	7 6	1 6	421⅞	
Do. in rear	1	36 6	7 6	1 6	410⅝	
Side rooms	2	19 6	17 6	1 6	1,023¾	
Do.	2	17 6	17 6	1 6	918¾	
Head-quarter Inspector's room	1	17 6	17 6	1 6	459⅜	
Crime and General Department	1	27 6	17 6	1 6	721⅞	
Space between main and side rooms	1	35 0	7 6	1 6	393¾	
Do. do.	1	72 6	7 0	1 6	761¼	
Stair-case room	1	7 6	3 9	1 6	42	
Do.	1	12 3	4 0	1 6	73½	
Do.	1	7 6	3 6	1 6	39⅝	
Total cubic feet						7,449

Estimate Form—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Flooring with cuddapah slab over a bed of concrete, inches in thickness.		FT. IN.	FT. IN.	FT. IN.		
Verandah around side rooms	2	97 6		8 0	1,560	
Do. in front	1	38 0		8 0	304	
Do. in rear	1	37 0		8 0	296	
Side rooms	2	20 0		18 0	720	
Do. and Head-quarter Inspector's room.	3	18 0		18 0	972	
Crime and General Department room	1	28 0		18 0	504	
Space between main and side rooms	2	18 0		8 0	288	
Do. do.	1	74 0		7 6	555	
Stair-case room	1	8 0		3 9	30	
Do.	1	14 9		4 3	63	
Do.	1	8 0		3 9	30	
Archways	28	7 0		1 6	294	
Do.	4	6 0		1 6	36	
Do.	11	6 0		2 0	132	
Do.	4	6 6		2 0	52	
Doorways	2	4 6		1 6	14	
Recess of windows	16	4 6		0 9	54	
Doorways	16	4 6		2 0	144	
Total square feet						6,048
Plastering with two coats of chunam (inside).						
Side rooms	2	76 0		15 3	2,318	
Do. and Head-quarter Inspector's rooms.	3	72 0		15 3	3,294	
Crime and General Department room	1	92 0		15 3	1,403	
Space between Head-quarter Inspector's room and side room	2	52 0		11 3	1,170	
Space between crime and side rooms	1	193 0		15 3	2,943	
Stair-case room	1	23 6		7 9	182	
Do. above	1	15 6		7 6	116	
Cross wall of above room	1	8 0		7 0	56	
Side walls of do.	1	14 3		15 0	214	
Do. do.	1	14 3		14 6	207	
Parapet walls of stairs, sides and top	1	36 0		6 0	216	
Steps, top and bottom, &c., average	1	44 0		4 6	198	
Sides and soffits of doors	2	22 6		1 6	68	
Do. do.	8	22 6		2 0	360	
Door in stair-case room	1	16 0		2 0	32	
Windows	16	16 6		2 0	528	
Sills of windows	16	4 6		0 9	54	
Archways	2	22 0		1 6	66	
Do.	2	22 0		2 0	88	
Do.	7	28 0		2 0	392	
Doors in Crime and General Department room.	8	25 0		2 0	400	
Archways in stair-case room	1	29 0		2 0	58	
Sides and sills of ventilators	18	6 0		1 6	162	
Do. do.	10	6 0		2 0	120	
Total					14,645	
Deduct for—						
Doors	18	4 6		9 0	729	
Windows	16	4 6		6 0	432	
Archways	4	49 4½	Area.		197	
Do.	10	68 10½	Do.		689	
Do. in stair-case room	1	92 6	Do.		93	
Door in stair-case room	2	3 0		6 6	39	
Doors in Crime and General Department room.	14	48 0	Area.		672	
Ventilators	28	3 0		1 6	126	
Total					2,977	
Total plastering, less deductions						11,668 sq. ft.
Pointing with chunam (outside).						
Basement all round	1	365 0				
Top of steps	2	21 6		2 0	730	
Ends of steps	4	10 0		4 0	172	
Outside of verandah wall, 12′ high	1	299 6		0 6	20	
Do. do. 16′ do.	1	61 6		12 0	3,594	
Inside of verandah in front	1	92 0		16 0	984	
Do. in rear	1	90 0		11 3	1,035	
Do. around side rooms	2	211 0		15 3	1,373	
Walls of side rooms above verandah terrace	2	103 3		11 3	4,748	
Do. do. Head-quarter Inspector's room	1	62 0		4 0	826	
				4 0	248	

Estimate Form—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Pointing with chunam (outside)—cont.		FT. IN.	FT. IN.	FT. IN.		
Binding walls, sides and top	2	18 0				
Parapet walls of verandah sides and top	1	293 6	..	3 6	126	
Do. over side rooms	1	177 6	..	3 6	1,027	
Do. over Head-quarter Inspector's room	1		..	3 6	621	
Archways (7′ span)	28	59 0				
Do. (6′ do.)	2	22 9	..	3 6	207	
Do. (6′ do.)	2	22 0	..	1 6	956	
Do. (6½′ do.)	4	28 0	..	1 6	66	
		29 0	..	2 0	112	
Total ..	..	..	..	2 0	232	
Deduct for segmental spaces	56	56 7	Area.	..	17,077	
Do. do. 6′ span	6	49 4½	Do.	..	3,168	
Do. do.	6	68 10½	Do.	..	296	
Do. for windows	8	74 0	Do.	..	413	
Do. for ventilators	16	4 6	..	..	592	
	28	3 0	..	6 0	432	
Total deduction, square feet ..	..	..	..	1 6	126	
Total pointing, square feet ..	..	..	..	..	5,027	
	..	..	..	..	..	12,050
Painting doors and windows with three coats of oil paint.			Times.			
Panel doors in side and Head-quarter Inspector's room	8	4 6	2½	9 0		
Panel doors in stair-case room	1	3 0	2¼	6 6	729	
Panel and venetian doors, Head-quarter Inspector's room	2				44	
Venetian windows inside rooms	16	4 6	2¾	2 0		
Panel door with glazed top Crime and General Department room		4 6	3	6 0	222	
Panel and venetian doors with glazed top, Crime and General Department room	6	4 6	2¼	10 6	1,296	
Ventilators	2	4 6	3	10 6	638	
Total painting, square feet ..	28	3 0	2¼	1 6	284	
	..	..	..	..	284	
					..	3,497
Painting woodwork with three coats of zinc white paint—						
Beams	7	18 0	..	3 7		
Joists in side rooms	26	36 4	..	1 3	452	
Do. Head-quarter Inspector's room ..	13	18 0	..	1 3	1,181	
Do. Crime and General Department room.	13	26 4	..	1 3	293	
Beams at angles	4	11 0	..	1 3	428	
Joists at angles	8	24 0	..	1 11	84	
Do. at verandah	184	8 0	..	1 3	240	
Do. do.	53	7 6	..	1 3	1,840	
Do. at stair-case room	6	3 9	..	1 3	497	
Do. for steps in stair-case room ..	3	9 0	..	0 11	21	
Do. do.	3	14 6	..	1 6	41	
Total painting, square feet ..	3		..	1 10	80	
	..	..	..	..	..	5,157
Teakwood punkahs, 10 feet long, with brown Holland fringes, &c., complete	..	..	..	..	..	No. 5
Upper Floor—						
Superintendent's room—						
Main wall all round	1	102 0	1 6	16 0		
Verandah walls	1	195 0	1 6	12 0	2,448	
Parapet wall over main and verandah walls.	1	297 0	1 6	1 0	3,510	
String course to archways	1	39 6	0 3	0 9	446	
Total ..	..	..	..	..	7	
Deduct for doors	4	4 6	1 6	9 0	6,411	
Do. for windows	6	4 6	1 6	6 0	243	
Do. for outside	8	4 6	1 6	5 3	243	
Do. for door, small	1	3 0	1 6	7 0	284	
Do. for archwork over doors and windows ..	10	6 0	1 6	1 0	32	
Do. do. small door ..	1	4 6	1 6	1 0	90	
Do. do. outer windows ..	8	9 6	1 6	1 0	7	
Do. for recess of windows	14	4 6	0 9	3 0	114	
Archways, 6′ span	6	6 0	1 6	5 6	142	
Do. segmental portion	6	16 4½	Area.	..	297	
					98	

Estimate Form—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Painting doors and windows with three coats of oil paint—cont.		FT. IN.	FT. IN.	FT. IN.		
Archways, 7′ span	4	7 0	1 6	5 0	210	
Do. segmental portion	4	21 7	Area.	..	87	
Archwork, 7′ span	4	13 3	1 6	1 0	80	
Do. 6′ span	6	11 0	1 6	1 0	99	
Do. ventilators	10	3 0	1 6	1 6	68	
Do. lintel over ventilators	10	4 0	1 6	0 6	30	
Total deductions, cubic feet ..	..	..	..	..	..	2,124
Total course rubble in chunam, less deductions, cubic feet ..	..	..	..	..	..	4,287
Archwork over doors and windows, cubic feet ..	..	..	..	..	..	97
Segmental archwork as per above deductions, cubic feet	..	..	..	..	..	293
Cornice work, coursed rubble stone	1	301 0	0 6	0 9	112 10½	
Total cubic feet ..	..	..	..	..	..	113
Dressed stonework.						
Lintel stone over ventilators	10	4 0	1 6	0 6	30	
Slabs under beams	4	1 6	1 6	0 4	3	
Vertical rails for verandah	44	0 9	0 6	1 10	30	
Horizontal rails at bottom	1	79 0	0 9	0 11	54	
Do. at top	1	79 0	0 9	0 5	25	
Total cubic feet ..	..	..	..	..	..	142
Teakwood, wrought and put up—						
Beams	2	21 6	0 10½	1 6	56 5	
Do. in verandah	3	9 6	0 6	0 7	8 3	
Joists in main room	14	31 0	0 3	0 6	54 3	
Do. in stair-case room	68	9 6	0 3	0 6	80 9	
Do. do.	26	10 0	0 3	0 6	32 6	
Total cubic feet ..	..	..	..	..	..	232
Terracing.						
Main room	1	30 0	..	20 0	600	
Verandah	1	100 0	..	9 0	900	
Do. in rear	1	39 0	..	9 6	371	
Total square feet ..	..	..	..	..	..	1,871
Cuddapah slabs for cornice—						
Verandah all round	1	207 0	..	2 9	569	
Do. main building	1	130 0	..	2 9	358	
Total ..	..	..	..	..	..	927 sq. ft.
Teak panel and venetian doors with frames, iron fastenings, &c., complete	3	3 11	..	8 5	99	99 sq. ft.
Panel door with frames, iron fastenings, &c., complete	1	2 5½	..	6 5½	16	
Do. do. do. ..	1	3 11	..	8 5	33	
Total ..	..	..	..	..	49	49 sq. ft.
Venetian windows with frames, iron fastenings, &c., complete	6	3 11	..	5 5	127	127 sq. ft.
Venetian windows with glazed top (outside), frames, iron fastenings, &c., complete ..	6	3 11	..	5 5	127	127 sq. ft.
Glazed windows with frames, iron fastenings, &c., complete	2	3 11	..	5 5	42	42 sq. ft.
Ventilators with swing shutters over side pivots including frames, &c., complete	10	2 6	..	1 0	25	25 sq. ft.

Estimate Form.—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Terracing—cont.		FT. IN.	FT. IN.	FT. IN.		
Plastering interior with two coats of chunam—						
Main room	1	96 0	..	15 3	1,464	
Verandah room	1	54 0	..	11 3	608	
Do. stair-case	1	49 0	..	11 3	551	
Sides and soffits of doors	4	22 6	..	1 6	135	
Do. do. of small	1	17 0	..	1 6	26	
Do. do. of windows	6	16 6	..	1 6	149	
Do. do. of with glazed top	5	15 0	..	1 6	113	
Sills of windows	11	4 6	..	0 9	37	
Sides and sills of ventilators	10	6 0	..	1 6	90	
Total ..	..	..	..	..	3,173	
Deduct for doors	5	4 6	..	9 0	203	
Do. do. small	1	3 0	..	7 0	21	
Do. for windows	8	4 6	..	6 0	216	
Do. for with glazed head	5	4 6	..	5 3	118	
Total ..	..	..	..	..	558	
Total plastering less deductions, square feet ..	..	..	..	..	..	2,615
Pointing with chunam (outside)—						
Main building outside above verandah terrace.	1	108 0	..	4 0	432	
Verandah sides and rear	1	204 0	..	11 3	2,295	
Do. outside	1	185 0	..	12 0	2,220	
Sides and soffits of windows	3	15 0	..	1 6	68	
Sills of windows	3	4 6	..	0 9	10	
Archways, 6′ span	6	22 0	..	1 6	198	
Do. 7′ do.	7	22 9	..	1 6	239	
Parapet walls, sides and top	1	297 0	..	3 6	1,040	
Total ..	..	..	..	..	6,502	
Deduct for windows	11	4 6	..	5 3	260	
Archways, 7′ span	8	56 7	Area.	..	453	
Do. 6′ do.	12	49 4½	Do.	..	592	
Total Deductions, square feet ..	..	..	..	..	1,305	
Total pointing less deductions, square feet ..	..	..	..	..	..	5,197
Painting doors and windows with three coats of oil paint.			Times.			
Panel and venetian doors	3	4 6	2¾	9 0	334	
Panel door	1	4 6	2¼	9 0	91	
Do. small	1	3 0	2¼	7 0	47	
Venetian windows	6	4 6	3½	6 0	527	
Do. with glazed top	6	4 6	3½	6 0	527	
Glazed windows	2	4 6	2½	6 0	122	
Ventilators	10	3 0	2¼	1 6	101	
Total painting square feet ..	..	..	..	..	..	1,749
Painting woodwork with three coats of zinc white paint.						
Beams	2	19 0	..	3 10½	147	
Do. in verandah	3	8 0	..	1 8	40	
Joists in main room	14	27 3	..	1 3	477	
Do. in verandah and stair-case room ..	68	8 0	..	1 3	680	
Do. in rear verandah	26	8 6	..	1 3	276	
Total painting, square feet ..	..	..	..	..	..	1,620
Teakwood punkahs, 10 feet long each, with brown holland fringes, brass wheels, hooks and other fittings including suspenders and pulling ropes, &c., complete	..	..	..	..	..	No. 2
Rattan matting, first sort, to Superintendent's room	1	29 0	..	19 0	551	
Sills of windows	6	4 6	..	0 9	20¼	
Do. doors	4	4 6	..	0 11	16½	
Total, square feet ..	..	..	..	..	..	588

Estimate Form—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Out Buildings.						
Constructing store-room and school-house.						
Excavating, foundation—						
Front and rear wall	2	69¾	4	4	2,232	
End and cross walls	4	16½	4	4	1,056	
Verandah walls	1	62¼	3½	4	872	
Verandah partition wall	1	5¾	4	4	92	
Steps, large	2	7	2¼	1	32	
Do. small	2	4	2¼	1	18	
Total, cubic feet ..	..	..	..	..	..	4,302
Concrete stone in chunam for foundation—						
Front and rear walls	2	69¾	4	4	2,232	
End and cross walls	4	16½	4	4	1,056	
Verandah wall	1	62¼	3½	4	872	
Do. partition wall	1	5¾	4	4	92	
Steps, large	2	7	2¼	1	32	
Do. small	2	4	2¼	1	18	
Total, cubic feet ..	..	..	..	..	..	4,302
Coursed rubble stone in chunam for basement—						
Front and rear walls	2	67¾	2	2	542	
End and cross walls	4	18¾	2	2	296	
Verandah front wall	1	65¼	1½	2	196	
Do. partition wall	1	6	1½	2	18	
Steps, large	2	7	3	1	42	
Do. small	2	4	3	1	24	
Total, cubic feet ..	..	..	..	..	..	1,118
Coursed rubble stone in chunam, first sort—						
Superstructure—						
Front and rear walls	2	67¼	1½	13	2,623	
End and cross walls	4	19	1½	13	1,482	
Gables over cross walls	2	19	1½	3½	200	
Verandah partition wall	1	6	1½	10½	95	
Total, cubic feet ..	..	..	..	..	4,400	
Deduction—						
Doors	5	4	1½	7	210	
Windows	5	3	1½	4	90	
Flat archwork over doors	5	5	1½	1½	56	
Do. over windows	5	3¾	1½	1½	41	
Total, cubic feet ..	..	..	..	..	397	
Total, cubic feet, superstructure, less deduction	..	..	..	..	..	4,003
Flat arch work as per deduction, cubic feet ..	..	..	..	..	..	97
Plastering with chunam, two coats, inside—						
School-house	..	92	..	13	3,075	
Centre store-room	..	72½	..	13		
End store-room	..	72	..	13		
Side and soffits of doors	5	18	..	13		
Do. of windows	5	14	..	1½	240	
Gables over cross walls	4	19	..	1½		
Total, square feet ..	..	..	..	3½	266	
Deductions—					3,581	
Doors	5	4	..	7	140	
Windows	5	3	..	4	60	
Total, square feet, deductions ..	..	..	..	..	200	
Total, square feet, plastering, two coats, less deductions	..	..	..	..	..	33·81

Estimate Form—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Constructing store-room and school-house—cont.						
Pointing with chunam, outside—						
Front and rear walls	2					
End walls	2	$67\frac{1}{4}$	..	13	1,748	
Verandah partition wall	2×1	22	..	13	572	
End of partition wall	1	6	..	$10\frac{1}{2}$	126	
Basement all round	..	$1\frac{1}{2}$	..	7	11	
Sides of steps	8	$203\frac{1}{2}$	..	2	407	
Total, square feet	..	3	..	1	24	
Deductions—	..	..	..	..	..	2,888
For doors	4	4				
Windows	5	3	..	7	112	
Space of partition wall	1	$1\frac{1}{4}$	..	4	60	
Total, square feet, deductions	..	..	..	13	20	
Total, pointing with chunam, less deductions	..	..	..	..	192	
Mangalore tile roofing with teak reepers, each tile to be screwed down—	..	..	..	..	..	2,696
Front and rear	2	$70\frac{1}{4} + 46\frac{1}{4}$ / 2		17	1,989	
Ends	2	$22 + 0$	..	17	374	
Verandah in front	1	2				
Do. at end	1	34	..	7	238	
Total, square feet, Mangalore tiled roofing	..	22	..	7	154	
Teakwood, wrought and put up, four trusses—	..	..	..	..	..	27·55
Principal rafters	8					
Tie beams	4	$12\frac{1}{4}$	4″	6″	16·33	
Struts	8	22	4″	7″	17·11	
King posts	4	$5\frac{3}{4}$	4″	4″	5·11	
Ridge piece	1	7	4″	$4\frac{1}{2}$″	3·50	
Purlins	2	47	3″	9^{3}″	8·80	
Pole plates	2	$66\frac{1}{2}$	5″	5″	23·08	
Verandah pillars	7	89	5″	5″	31·00	
Bressummers	..	$9\frac{1}{2}$	5″	5″	11·5	
Total, cubic feet, teak	..	$67\frac{1}{2}$	5″	6″	14·06	
Venteak—	..	..	..	..	..	130·59
Hip rafters, long	1					
Do. short	3	29	$4^{\prime\prime}$	5″	4·03	
Common rafters for front and rear roof $2\frac{1}{4}$ feet from centre to centre	2×22	19	4″	5″	7·91	
Jack rafters in front and rear	32	17				
Common rafters for verandah	24	$8\frac{1}{2}$	3″	$4\frac{1}{2}$″	70·01	
Jack for above	6	7	3″	$4\frac{1}{2}^{a}$	25·50	
Total, cubic feet, venteak, wrought and put up	..	$3\frac{1}{2}$	3″	$4\frac{1}{2}$″	15·75	
Ceiling board of jungle wood $\frac{1}{2}$″ thick as per details for roofing for school only—	..	..	..	$4\frac{1}{2}$″	1·97	
For school-house	2					
Do.	1	23	17	..	782	
Total, square feet, ceiling board	..	11	17	..	187	
Painting ceiling with 2 coats of peacock blue—	..	..	..	..	..	125·17
As per details of ceiling, square feet	..	..	..	..	..	969
Tarring top of ceiling boards, 2 coats—						
As per above for ceiling, square feet	..	..	..	..	..	969
Teakwood pannelled doors and windows—						
Doors	5	4	..	7	140	
Windows	5	3	..	4	60	
Total, square feet, teakwood doors, &c.	..	..	..	..	..	200

Estimate Form—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Constructing store-room and school-house—cont.						
Painting with silicate paint, 2 coats—						
Doors	2×5	4	..	7	280	
Windows	2×5	3	..	4	120	
Total square feet, painting with silicate, 2 coats.	..	..	..	..	..	4·00
Sunshades of teakwood including silicate paint..	..	..	..	..	..	No. 5
Filling basement—						
School-house	1	$26\frac{1}{2}$	$18\frac{1}{2}$	$1\frac{1}{2}$	735	
Centre store-room	1	$16\frac{3}{4}$	$18\frac{1}{2}$	$1\frac{1}{2}$	465	
End do.	1	$16\frac{1}{2}$	$18\frac{1}{2}$	$1\frac{1}{2}$	458	
Front verandah	1	$32\frac{3}{4}$	$4\frac{1}{2}$	$1\frac{1}{2}$	209	
Verandah on left	1	21	$4\frac{1}{4}$	$1\frac{1}{2}$	134	
Total cubic feet, earthwork, filling basement	..	..	..	..	..	2·001
Flooring with Cuddapah slabs on 3″ concrete—						
School-house	1	$26\frac{1}{2}$	$18\frac{1}{2}$	..	490	
Centre room	1	$16\frac{3}{4}$	$18\frac{1}{2}$	..	310	
End do.	1	$16\frac{1}{2}$	$18\frac{1}{2}$	..	305	
Front verandah	1	$32\frac{3}{4}$	$4\frac{1}{2}$	..	139	
Verandah on right	1	21	$4\frac{1}{4}$	..	89	
Total square feet, flooring with Cuddapah slabs.	..	..	..	..	..	13·33
Wood-oiling, 2 coats	..	..	..	..	..	40·00
Constructing Armourer's shop.						
Excavating foundation—						
All round	1	72	4	4	1,152	
Cross wall	1	$12\frac{1}{2}$	$3\frac{3}{4}$	4	188	
To ramp all round	1	95	4	$\frac{3}{4}$	285	
Total cubic feet, earthwork	..	..	..	..	..	1,625
Concrete stone in chunam—						
Foundation—						
Wall all round	1	72	4	4	1,152	
Cross wall	1	$12\frac{1}{2}$	$3\frac{3}{4}$	4	188	
Ramp all round	1	95	4	$\frac{3}{4}$	285	
Total cubic feet, concrete stone in chunam	..	..	..	..	..	1,625
Coursed rubble stone in chunam, 1st sort—						
Basement—						
Wall all round	1	72	2	$1\frac{3}{4}$	216	
Cross wall	1	$14\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{3}{4}$	38	
Total, cubic feet, coursed rubble stone in chunam, 1st sort	..	..	..	..	..	2·54
Superstructure—						
Wall all round	1	72	$1\frac{1}{2}$	15	1,620	
Cross wall including gable over it	1	15	$1\frac{1}{2}$	$17\frac{1}{2}$	328	
Gables at ends	2	15	$1\frac{1}{2}$	$2\frac{1}{2}$	112	
Wall over gables at ends	2	22	1	1	44	
Chimney above wall	1	$2\frac{1}{2}$	$1\frac{1}{2}$	10	38	
Total	..	..	..	..	2,142	
Deduction—						
Doors	1	4	$1\frac{1}{4}$	$7\frac{1}{2}$	38	
	1	4	$1\frac{1}{2}$	$7\frac{1}{2}$	45	
Window	1	4	$1\frac{1}{2}$	5	30	
Flat arch over doors in outer wall	1	5	$1\frac{1}{2}$	$1\frac{1}{2}$	11	
Do. doors in cross wall	1	5	$1\frac{1}{2}$	$1\frac{1}{2}$	9	
Do. window	1	5	$1\frac{1}{2}$	$1\frac{1}{2}$	11	
Total, cubic feet, deduction	..	..	..	..	144	
Total, cubic feet of rubble stone in chunam, 1st sort, less deduction	..	..	..	..	..	19·98

Estimate Form—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breath.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Constructing Armourer's shop—cont.						
Flat archwork—						
As per deductions..	..	..	..	c. feet.	31	31
Plastering in chunam, 2 coats—						
Main room	1	53½	15	..	803	
Drying room	1	40	15	..	600	
Gable at ends	2	15	2½	..	75	
Do. over cross wall	2	15	2½	..	75	
Wall over the end gables	2	22	3	..	132	
Sides and soffits of doors	1	1½	19	..	29	
Do. do.	1	1¼	19	..	24	
Do. and sill of window ..	1	1½	18	..	27	
Top of ramp all round	1	96	4	..	384	
Total ..	..	..	..	..	2,149	
Deduction—						
Doors						
Window	3	4	7½	..	90	
	1	4	5	..	20	
Total, deduction ..	..	..	..	..	110	
Total, plastering, less deduction ..	..	..	..	..	..	20·39
Pointing with chunam—						
Walls all round						
Gable at ends	1	78	14	..	1,092	
Chimney above wall	2	15	3	..	90	
Basement all round	1	8	10	..	80	
	..	80	..	¾	60	
Total ..	..	..	..	..	1,322	
Deduction—						
Door						
Window	1	4	7½	..	30	
	1	4	5	..	20	
Total, deduction ..	..	..	..	..	50	
Total, pointing, less deduction ..	..	..	..	..	..	12·72
Cornice work—						
Round the building	1	82	..	..	82	
Total, R. feet ..	..	..	..	..	..	82
Venteak, wrought and put up—						
Common rafters	2×10	10½	3″	4½″	19·68	
Ridge piece	1	21	3″	8″	3·50	
Purlins	2	21	4″	6″	7·00	
Wall plates	2	21	3″	4″	3·50	
Total, cubic feet ..	..	..	..	..	..	33·68
Roofing with Mangalore tiles and reepers—						
For front and rear	2	21	11	..	462	
Total, square feet ..	..	..	..	..	..	4·62
Teakwood doors—						
Doors, batten	2	4	7½	..	60	
Total, square feet of batten door ..	..	..	..	..	..	60
Windows, glazed and iron-barred—						
Windows	1	4	5	..	20	
Total ..	..	..	..	..	..	20

Estimate Form—Detail Measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4	5	6	7
Constructing Armourer's shop—cont.						
Filling in basement—						
Main room	1	11¼	14½	1½	245	
Drying room	1	14½	4½	1½	98	
Total, cubic feet, filling in basement ..	..	..	..	..	..	343
Flooring with Cuddapah slabs on 3″concrete—						
Main room	1	11¼	14½	..	163	
Drying room	1	14½	4½	..	65	
Total, square feet, flooring ..	..	..	..	..	..	2·28
Painting doors with silicate	2	4	7½	..	60	60
Constructing Latrine.						
Excavating foundation—						
Latrine wall all round	1	101½	3½	3	1,066	
Total, cubic feet, excavating foundation ..	..	..	..	..	..	1,066
Concrete stone in chunam, foundation—						
Wall all round	1	101½	3½	3	1,066	
Total, cubic feet, concrete foundation ..	..	..	..	..	..	1,066
Coursed rubble stone in chunam, 2nd sort—						
Superstructure—						
Walls all round	1	97½	1½	5½	804	
Total, cubic feet, superstructure ..	..	..	..	..	..	8·04
Pointing with chunam—						
Walls all round both sides	..	199½	..	4¾	948	
Total, square feet, pointing ..	..	..	..	..	..	9·48
Plastering coping	1	97½	3½	..	341	
Total, square feet, plastering ..	..	..	..	..	..	3·41
Gravelling flooring and ramming—						
Latrine	1	24	18	6″	216	
Passage	1	4	1½	6″	3	
Do.	1	6	4	6″	12	
Total ..	..	..	..	..	..	2·31

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
	Main Building.	RS. A. P.		RS.	RS.
15,106 c. ft. ..	Excavation for foundation	3 12 0	1,000 c ft.	57	
15,106 ,, ..	Concrete stone in chunam	12 8 0	100 ,,	1,888	
4,265 ,, ..	Coursed rubble stone in chunam, first sort, for basement	20 0 0	100 ,,	853	
15,143 ,, ..	Do. do. for superstructure.	23 8 0	100 ,,	3,559	
258 ,, ..	Archwork over doors and windows	25 0 0	100 ,,	65	
1,190 ,, ..	Segmental archwork	28 0 0	100 ,,	333	
190 ,, ..	Brick in mortar for staircase	26 0 0	100 ,,	49	
208 ,, ..	Cornice work coursed rubble stone	24 8 0	100 ,,	51	
102 ,, ..	Dressed stone work in lintel and under beams ..	0 12 0	cubic foot.	77	
1,845 sq. ft. ..	Cuddapah slabs for cornice including fixing and pointing with cement	24 8 0	100 sq. ft.	452	
732 c. ft. ..	Teakwood wrought and put up	4 8 0	cubic foot.	3,294	
4,447 sq. ft. ..	Terracing with brick on edge jelly 3″ thick, 3 courses of flat tiles and 3 coats of plastering on top and ceiling	30 0 0	100 sq. ft.	1,334	

Estimate Form—Abstract—*cont.*

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
	Main Building—cont.	Rs. A. P.		Rs.	Rs.
1,652 sq. ft. ..	Terraced flooring with brick on edge jelly 3 inches thick, 1 course of flat tile and 3 coats of plastering at ceilings and ½ inch thick of Portland cement plaster at top	28 0 0	100 sq. ft.	463	
278 ,, ..	Teakwood panel doors with framed hinges, hooks and other iron fastenings, &c., complete ..	1 2 0	square foot.	313	
66 ,, ..	Teakwood panel and venetian doors with frames, hinges, hooks and other iron fastenings, &c., complete	1 8 0	Do.	99	
339 ,, ..	Teakwood venetian windows with frames, hinges, hooks and iron fastenings, &c., complete ..	1 8 0	Do.	508	
259 ,, ..	Teakwood panel door with glazed top frames, hinges, hooks and other iron fastenings, &c., complete	1 2 0	Do.	291	
87 ,, ..	Teakwood panel and venetian doors with glazed top, frames, hinges, hooks, and other iron fastenings, &c., complete	1 8 0	Do.	130	
65 ,, ..	Teakwood ventilators with swing shutters over side pivots including frames, &c., complete ..	1 2 0	Do.	73	
7,449 c. ft. ..	Filling in basement	2 0 0	1,000 c. ft.	15	
6,048 sq. ft. ..	Flooring with Cuddapah slabs over a bed of concrete 3" thick	16 4 0	100 sq. ft.	983	
11,668 ,, ..	Plastering with 2 coats of chunam, inside ..	3 8 0	100 ,,	408	
12,050 ,, ..	Pointing with chunam, outside..	1 8 0	100 ,,	181	
3,497 ,, ..	Painting doors and windows with 3 coats of oil-paint	3 0 0	100 ,,	105	
5,157 ,, ..	Painting wood work with 3 coats of zinc white paint	3 9 0	100 ,,	184	
No. 5 ..	Teakwood punkahs, 10 feet long, with brown holland fringes brass wheels, hooks and other fittings including suspenders and pulling ropes, &c., complete	20 0 0	each.	100	15,865
	Upper Storey.				
4,287 c. ft. ..	Coursed rubble in chunam, first sort	24 8 0	100 c. ft.	1,050	
97 ,, ..	Archwork over doors and windows	26 0 0	100 ,,	25	
293 ,, ..	Segmental archwork	29 0 0	100 ,,	85	
142 ,, ..	Dressed stone work	1 0 0	cubic foot.	142	
113 ,, ..	Cornice work coursed rubble stone	25 8 0	100 c. ft.	29	
927 sq. ft. ..	Cuddapah slab for cornice including fixing and pointing with cement	24 8 0	100 sq. ft.	227	
232 c. ft. ..	Teakwood wrought and put up	4 8 6	cubic foot.	1,044	
1,871 sq. ft. ..	Terracing with brick on edge jelly 3" thick, 3 course of flat tiles and 3 coats of plastering on top and ceiling	32 0 0	100 sq. ft.	599	
99 ,, ..	Teakwood panel and venetian doors with frames, hinges, hooks and other iron fastenings, &c., complete	1 8 0	square foot.	149	
49 ,, ..	Teakwood panel door with frames, hinges, hooks and other iron fastenings, &c., complete ..	1 2 0	Do.	55	
127 ,, ..	Teakwood venetian windows with frames, hinges, hooks and other iron fastenings, &c., complete..	1 8 0	Do.	191	
127 ,, ..	Teakwood venetian windows with glazed top, frames, hinges, hooks and other iron fastenings &c., complete	1 8 0	Do.	191	
42 ,, ..	Teakwood glazed windows with frames, hinges, hooks and other iron fastenings, &c., complete	1 2 0	Do.	47	
25 ,, ..	Teakwood ventilators with swing shutters over side pivots	1 2 0	Do.	28	
2,615 ,, ..	Plastering with 2 coats of chunam inside ..	3 8 0	100 sq. ft.	92	
5,197 ,, ..	Pointing with chunam outside	1 8 0	100 ,,	78	
1,749 ,, ..	Painting doors and windows with 3 coats of oilpaint.	3 0 0	100 ,,	52	
1,620 ,, ..	Painting wood work with 3 coats of zinc white paint	3 9 0	100 ,,	58	
588 ,, ..	Rattan matting, 1st sort, to Superintendent's room.	16 0 0	100 ,,	94	
2 No. ..	Teakwood punkahs, 10 feet long, with brown holland fringes, brass wheels, hooks and other fastenings including suspenders and pulling ropes, &c., complete	20 0 0	each.	40	4,276
	Store-room and school-house attached.				
4,302 c. ft. ..	Excavating foundation	3 12 0	1,000 c. ft.	16	
4,302 ,, ..	Concrete stone in chunam	12 8 0	100 ,,	538	
1,118 ,, ..	Coursed rubble stone in chunam, 2nd sort, for basement	14 0 0	100 ,,	157	
4,003 ,, ..	Coursed rubble stone in chunam, 1st sort, for Superstructure	20 0 0	100 ,,	801	

Estimate Form—Abstract—*cont.*

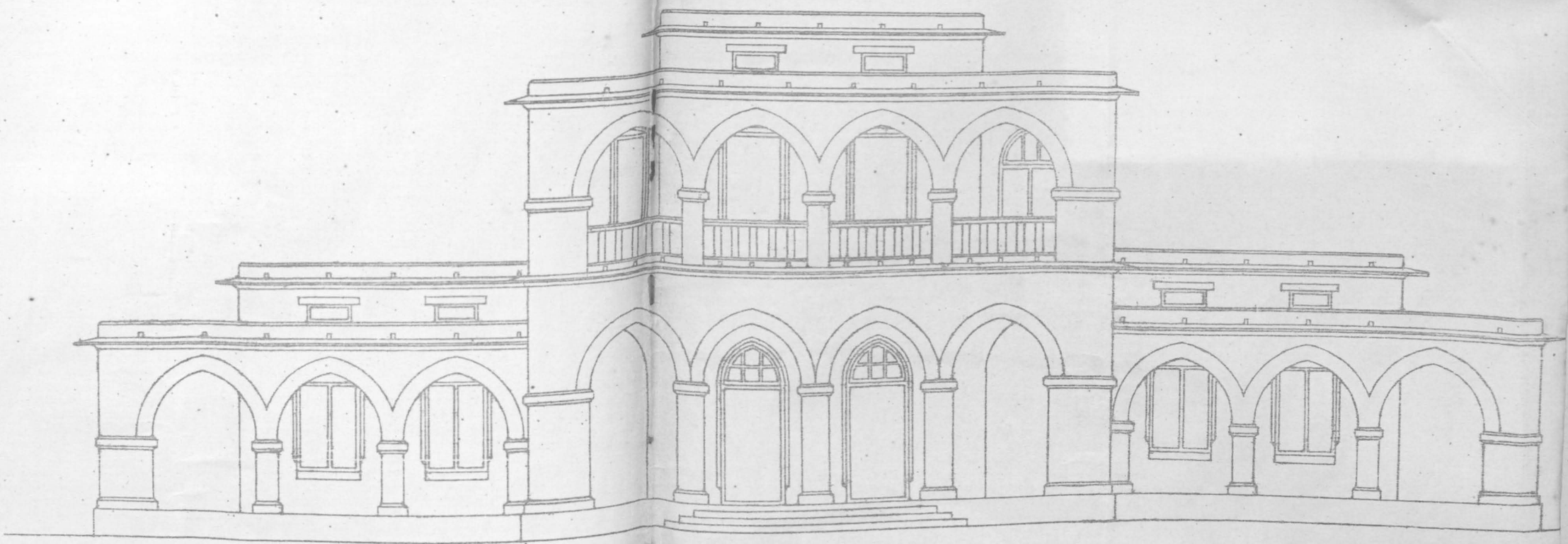
Quantity.	Description of work.	Rate.	Per	Amount.	Total.
1	2	3	4	5	6
	Store-room and school-house attached—cont.	Rs. A. P.		Rs.	Rs.
0·97 c. ft. ..	Flat archwork	25 0 0	100 c. ft.	24	
2,755 sq. ft. ..	Roofing with Mangalore tiles including teak reepers	27 0 0	100 sq. ft.	744	
9·69 ,, ..	Jungle wood ceiling board, ½" thick	12 0 0	100 ,,	116	
33·81 ,, ..	Plastering 2 coats with chunam	3 8 0	100 ,,	118	
26·96 ,, ..	Pointing with chunam	1 8 0	100 ,,	40	
130·6 c. ft. ..	Teakwood wrought and put up	4 8 0	cubic foot.	588	
125·17 ,, ..	Venteak wrought and put up	3 0 0	Do.	376	
200 sq. ft. ..	Teakwood panelled doors and windows ..	1 2 0	square foot.	225	
400 ,, ..	Painting with silicate paint 3 coats for doors and windows	3 0 0	100 sq. ft.	12	
9·69 ,, ..	Painting with peacock blue underneath ceiling ..	2 0 0	100 ,,	19	
9·69 ,, ..	Tarring top of ceiling	1 4 0	square foot.	12	
40·00 ,, ..	Wood-oiling, two coats	1 8 0	100 sq. ft.	60	
2·00 c. ft. ..	Filling basement	2 0 0	100 c. ft.	4	
13·33 sq. ft. ..	Flooring with Cuddapah slabs on 3" concrete ..	16 4 0	100 sq. ft.	217	
5 No. ..	Sunshades	15 0 0	each.	75	4,142
	Armourer's shop.				
16·25 c. ft. ..	Excavating foundation	3 12 0	1,000 c. ft.	6	
16·25 ,, ..	Concrete stone in chunam	12 8 0	100 ,,	203	
2·54 ,, ..	Coursed rubble stone in chunam, 2nd sort, basement	14 0 0	100 ,,	35	
19·98 ,, ..	Coursed rubble stone in chunam, 1st sort, for superstructure	20 0 0	100 ,,	400	
0·31 ,, ..	Flat archwork	25 0 0	100 ,,	8	
4·62 sq. ft. ..	Roofing with Mangalore tiles including teak reepers.	27 0 0	100 sq. ft.	125	
20·39 ,, ..	Plastering 2 coats with chunam	3 8 0	100 ,,	71	
12·72 ,, ..	Pointing with chunam	1 8 0	100 ,,	19	
33·68 c. ft. ..	Venteak wrought and put up	3 0 0	cubic foot.	101	
60 sq. ft. ..	Batten shutters	1 0 0	square foot.	60	
60 ,, ..	Painting with silicate paint 3 coats for doors and windows	3 0 0	100 sq. ft.	2	
34 c. ft. ..	Filling basement	2 0 0	100 c. ft.	1	
2·28 sq. ft. ..	Flooring with Cuddapah slabs on 3" concrete ..	16 4 0	100 sq. ft.	37	
82 r. ft. ..	Cornice work	0 4 0	r. feet.	21	
20 sq. ft. ..	Glazed and iron barred window	2 0 0	square foot.	40	
	Bellows and its vice, boiler iron flue including fitting and carriage, &c.	..	..	400	1,529
	Latrine.				
10·66 c. ft. ..	Excavating foundation	3 12 0	1,000 c. ft.	4	
10·66 ,, ..	Concrete stone in chunam	12 8 0	100 ,,	133	
8·04 ,, ..	Coursed rubble stone in chunam, 1st sort ..	14 0 0	100 ,,	113	
3·41 sq. ft. ..	Plastering 2 coats with chunam	3 8 0	100 sq. ft.	12	
9·48 ,, ..	Pointing with chunam	1 8 0	100 ,,	14	
2·31 c. ft. ..	Gravelling floor and tamping	1 12 0	100 c. ft.	4	280
					26,092
	Petty supervision				653
	Contingencies				1,305
	Grand Total of estimate				28,050

Direction
No 34853

17

TYPE DESIGN FOR POLICE HEAD QUARTER OFFICE — WITH OUT HOUSES

FIG. I.



REAR ELEVATION

NOTE FOR ARMOURER'S SHOP.

1. A FLUE SHOULD BE CARRIED FROM THE BROWNING TROUGH THROUGH DRYING
   WITHOUT THE NECESSITY FOR ANY STOVE THEREIN AND THE FLUE OF THE FORG
   DISTINCT FLUE SEPARATE FROM THAT FOR BROWNING TROUGH.
2. THE DOORS SHOULD BE PLAIN BATTEN AND HOT PANEL.
3. THE IRON CHOWKATS FOR FURNACE DOORS SHOULD BE SECURED BY IRON HOL
   ON BOTH SIDES AND NOT ON ONE SIDE ONLY AND SHOULD ALSO BE SECURED INTO
4. THE WINDOW TO BE GLAZED, BARRED FACE THE NORTH AND CONSTRUCTED TO TH
5. RACKS FOR BARRELS ONLY UNDERGOING BROWNING LOWER SHELF WITH HOLES
6. A TROUGH OR BOILER FOR BOILING THE BARRELS.
7. AN ANVIL OF ABOUT 80 POUNDS IN WEIGHT.
8. A BELLOWS FOR THE FORGE.

FIG. II.

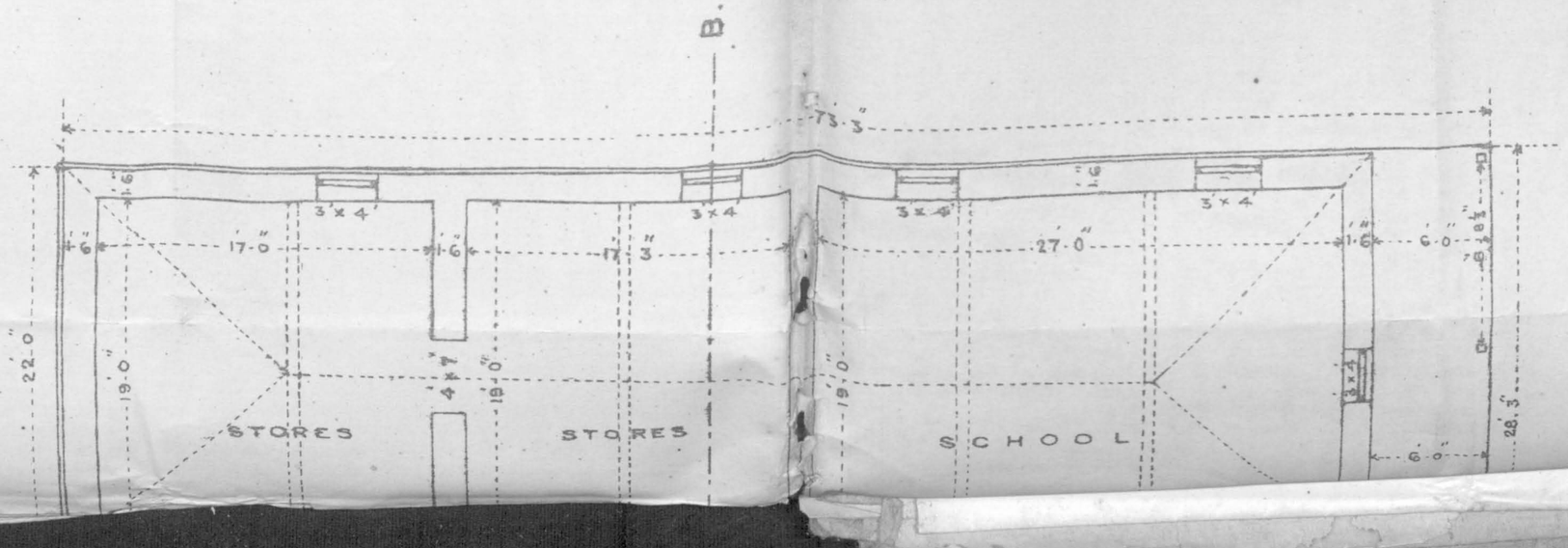
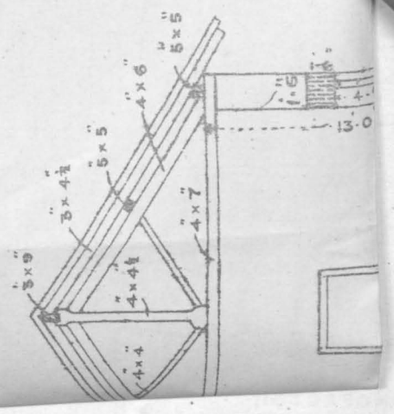
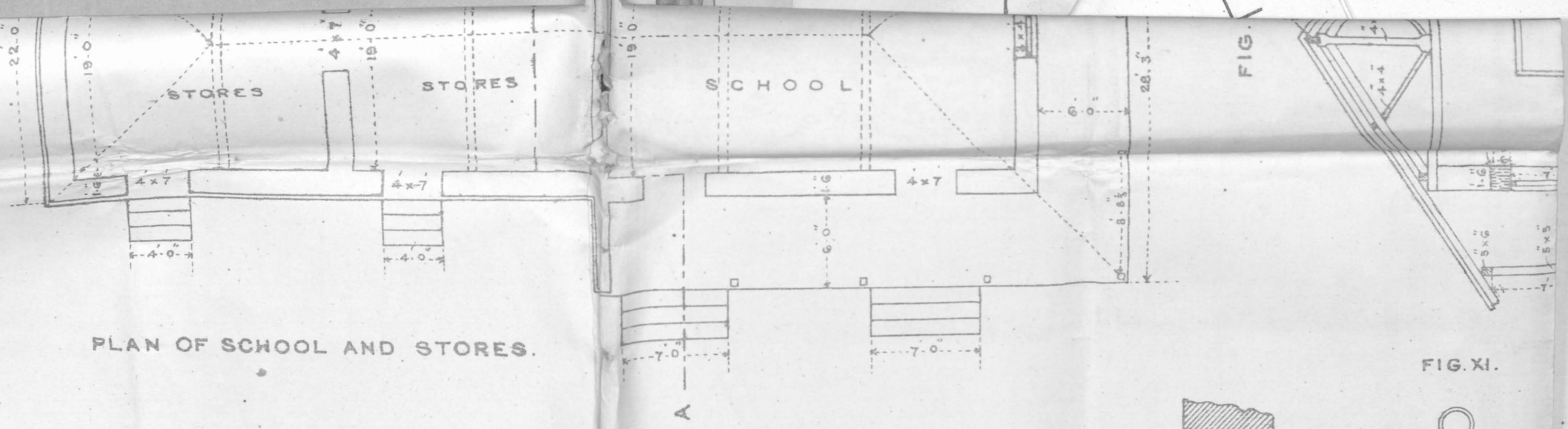


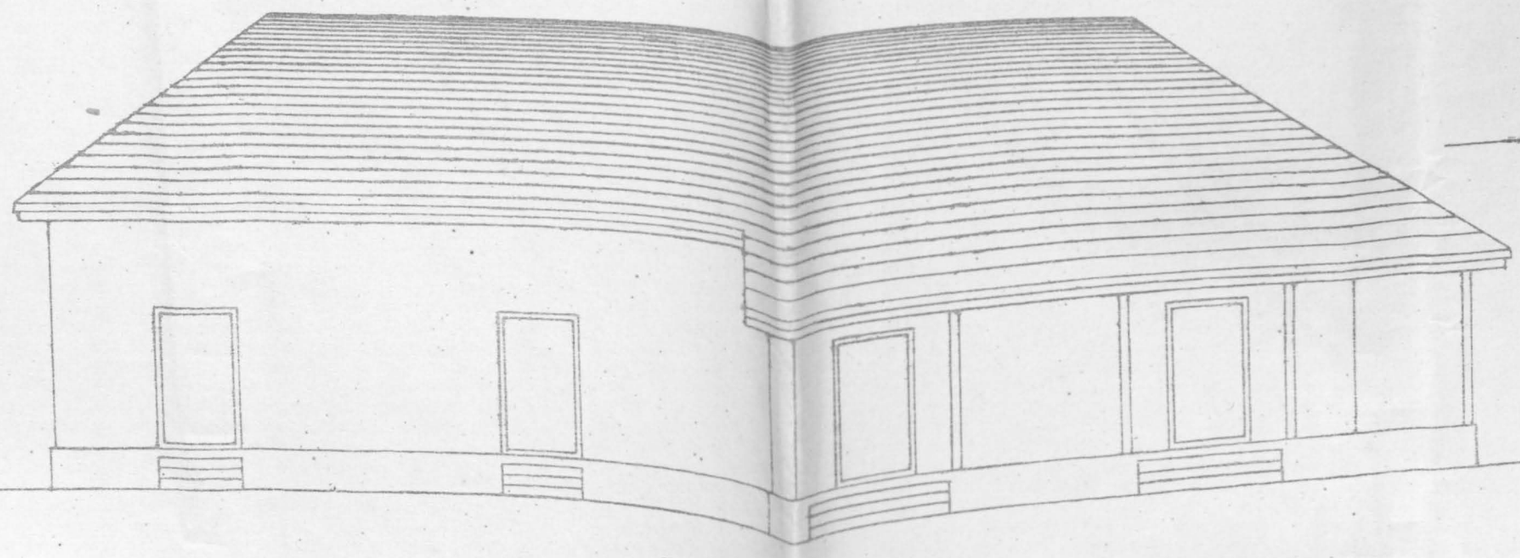
FIG. V.





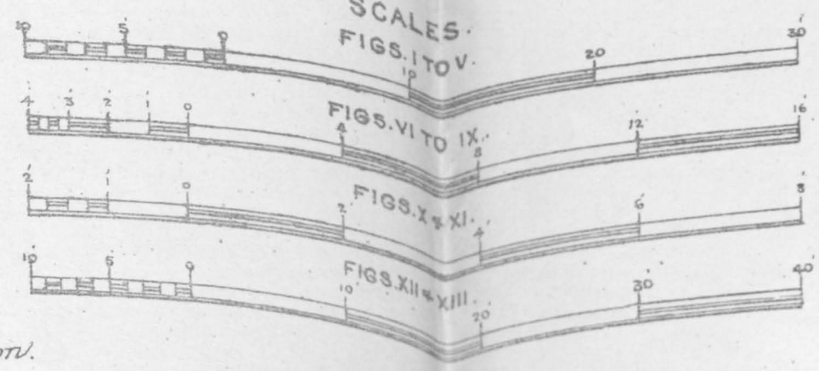
PLAN OF SCHOOL AND STORES.

FIG. III



ELEVATION.

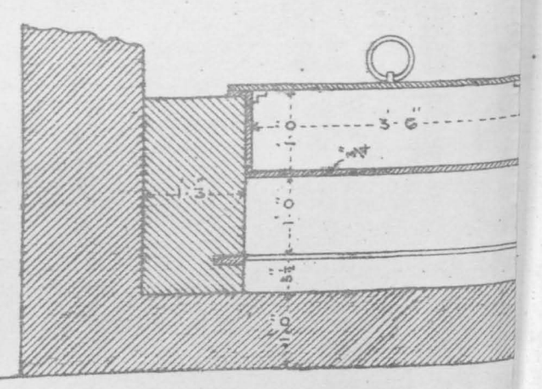
SCALES.



Supt. Technical Section.
Chief Engineer's Office P.W.D.

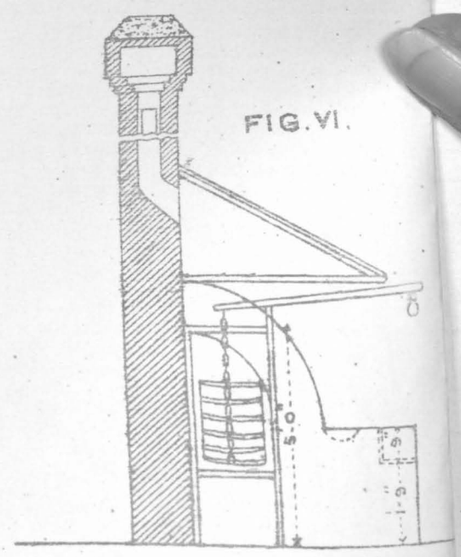
FIG.

FIG. XI.



SECTION ON C.C

FIG. VI.



ELEVATION ON A.A.

(Signed) J. W. Martin.
Superintending Engineer

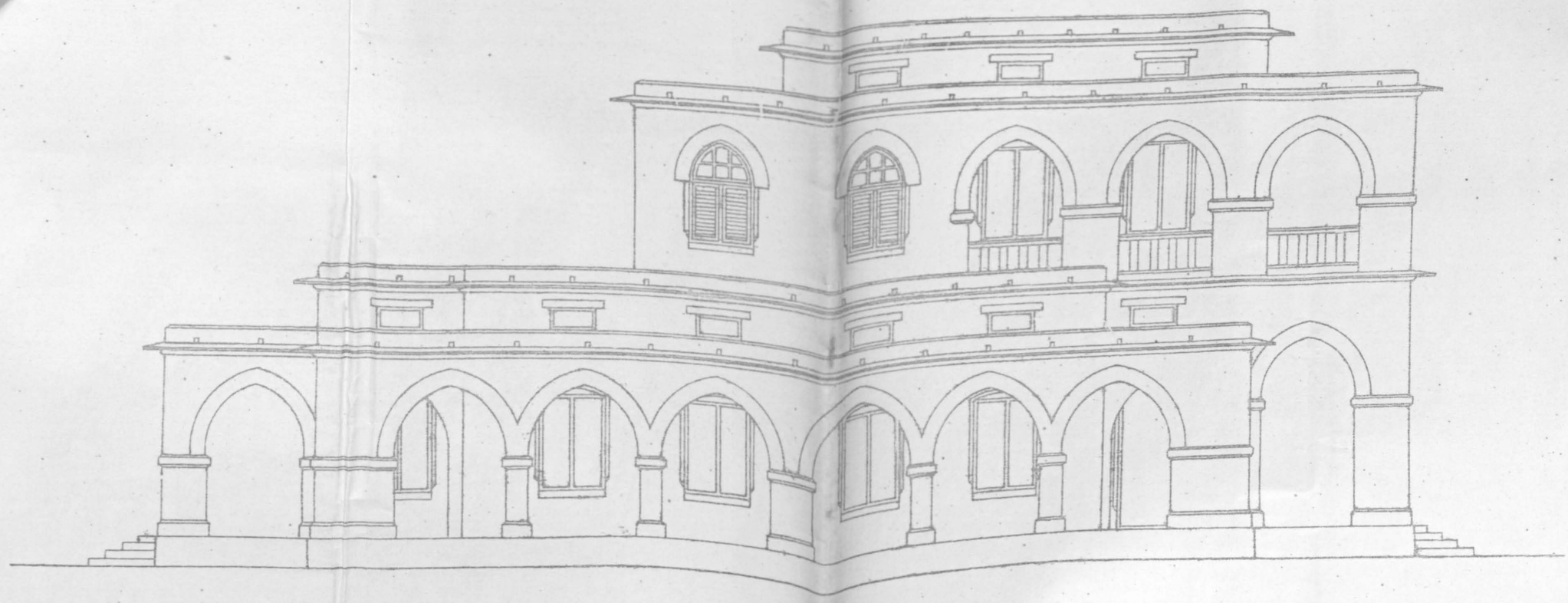
(Signed)
Ag

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Accompaniment to G.O. No. 1323 W., dated 6th June 1895.

No A.

FIG. IV.

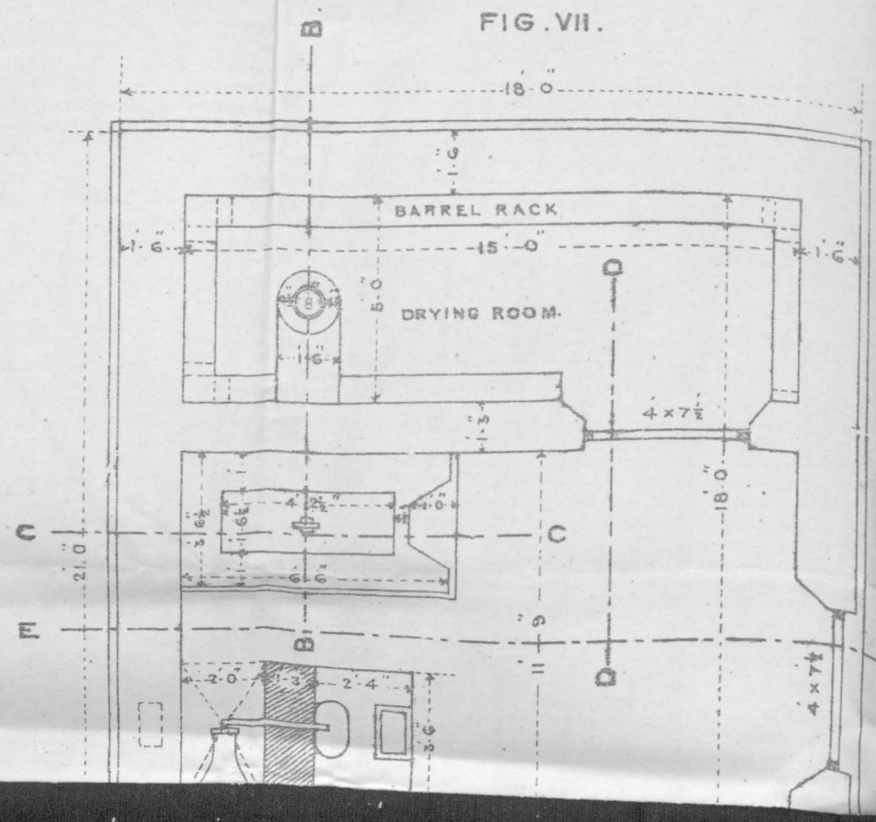


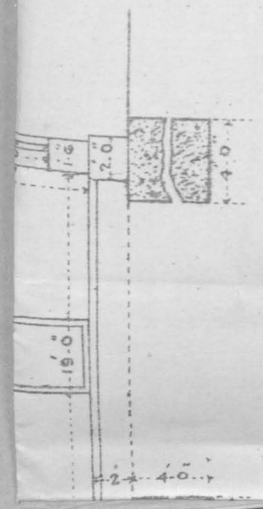
SIDE ELEVATION.

ROOM IN ORDER TO HELP TO WARM THAT ROOM
E SHOULD BE CARRIED UP AS A

DFASTS INTO THE MASONRY
THE MASONRY FOOTING BELOW -
ROW LIGHT ON THE ARMOURER'S BENCH.
OR FANGS, UPPER SHELF WITH NOTCHES.

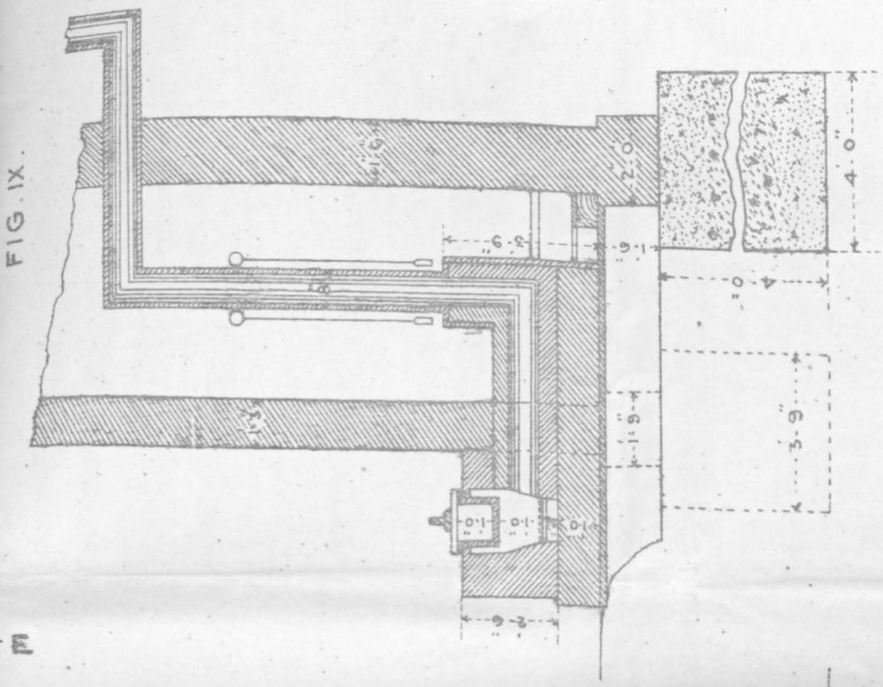
FIG. VII.



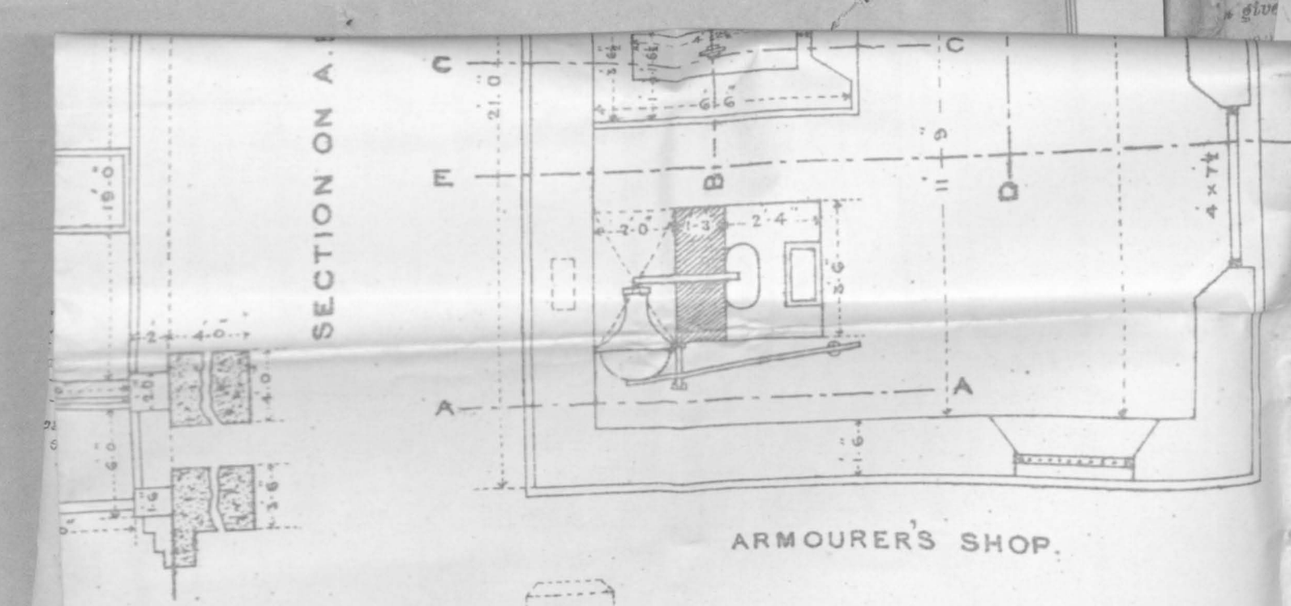


SECTION ON A.B.

FIG. IX.

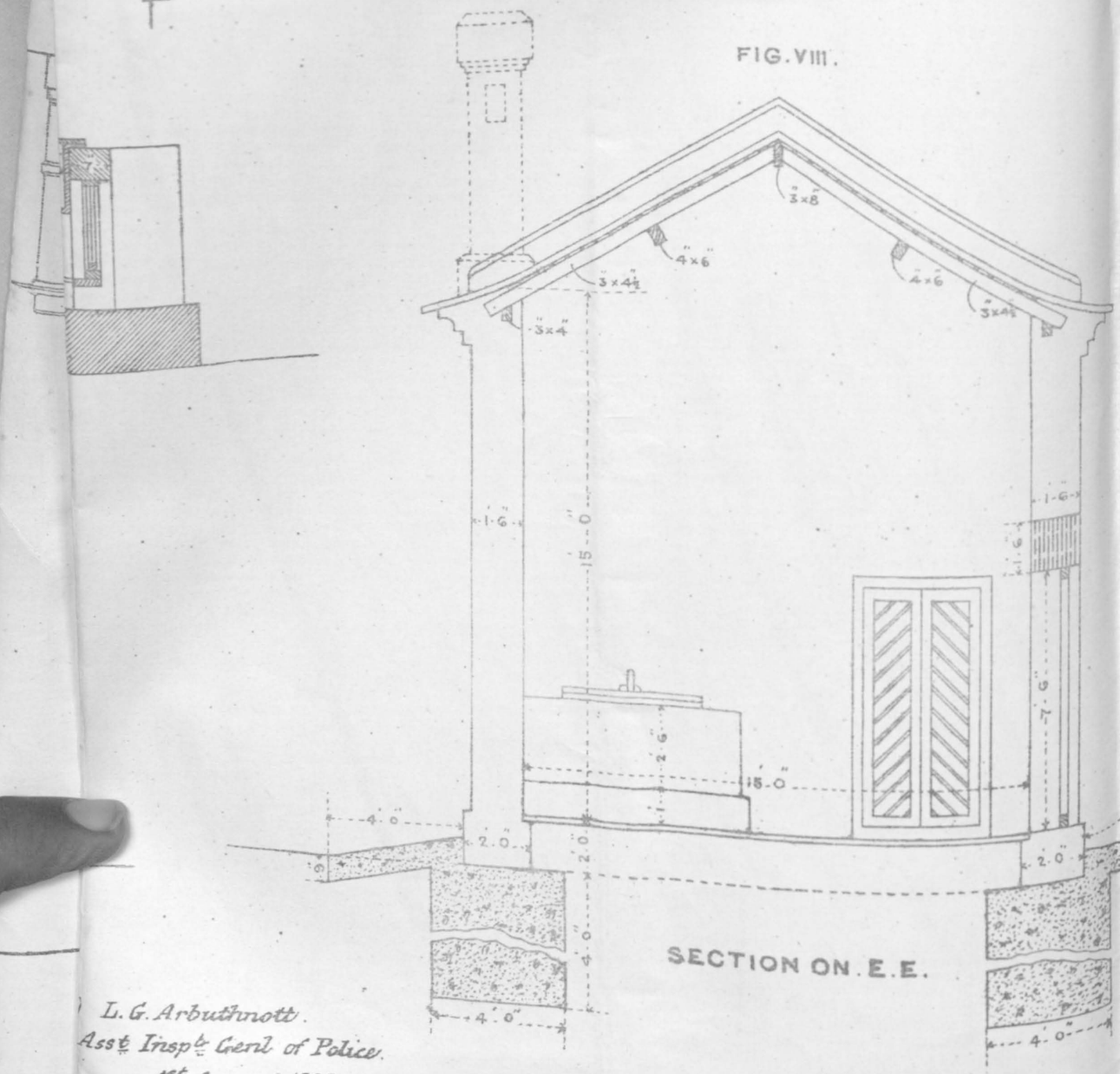


SECTION ON B.B

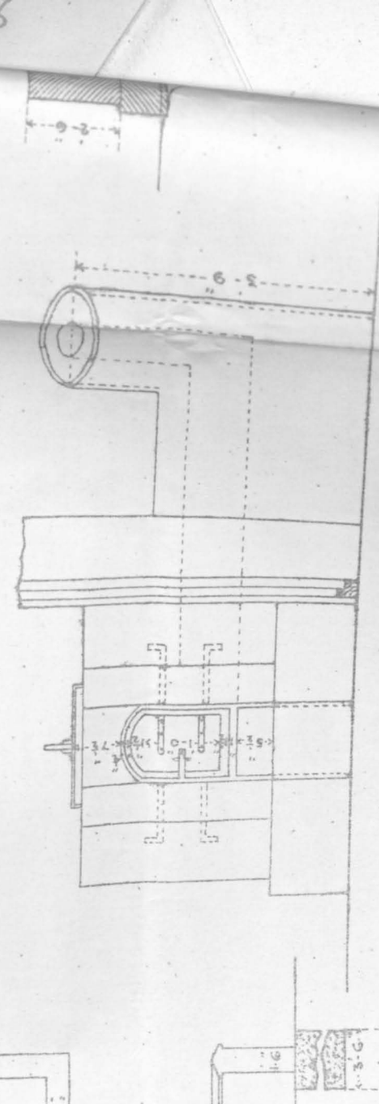


ARMOURER'S SHOP.

FIG. VIII.



SECTION ON E.E.



SECTION ON D.D.

FIG. X.

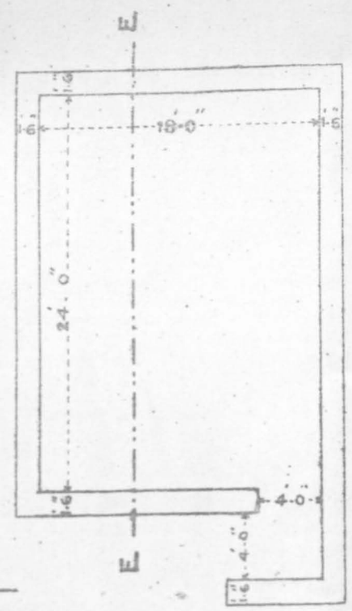
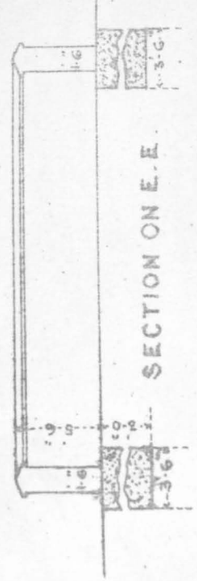


FIG. XII
LATRINE.



SECTION ON E.E.

FIG. XIII.

L. G. Arbuthnott.
Asst Insp^r Genl of Police.
1st August 1892.

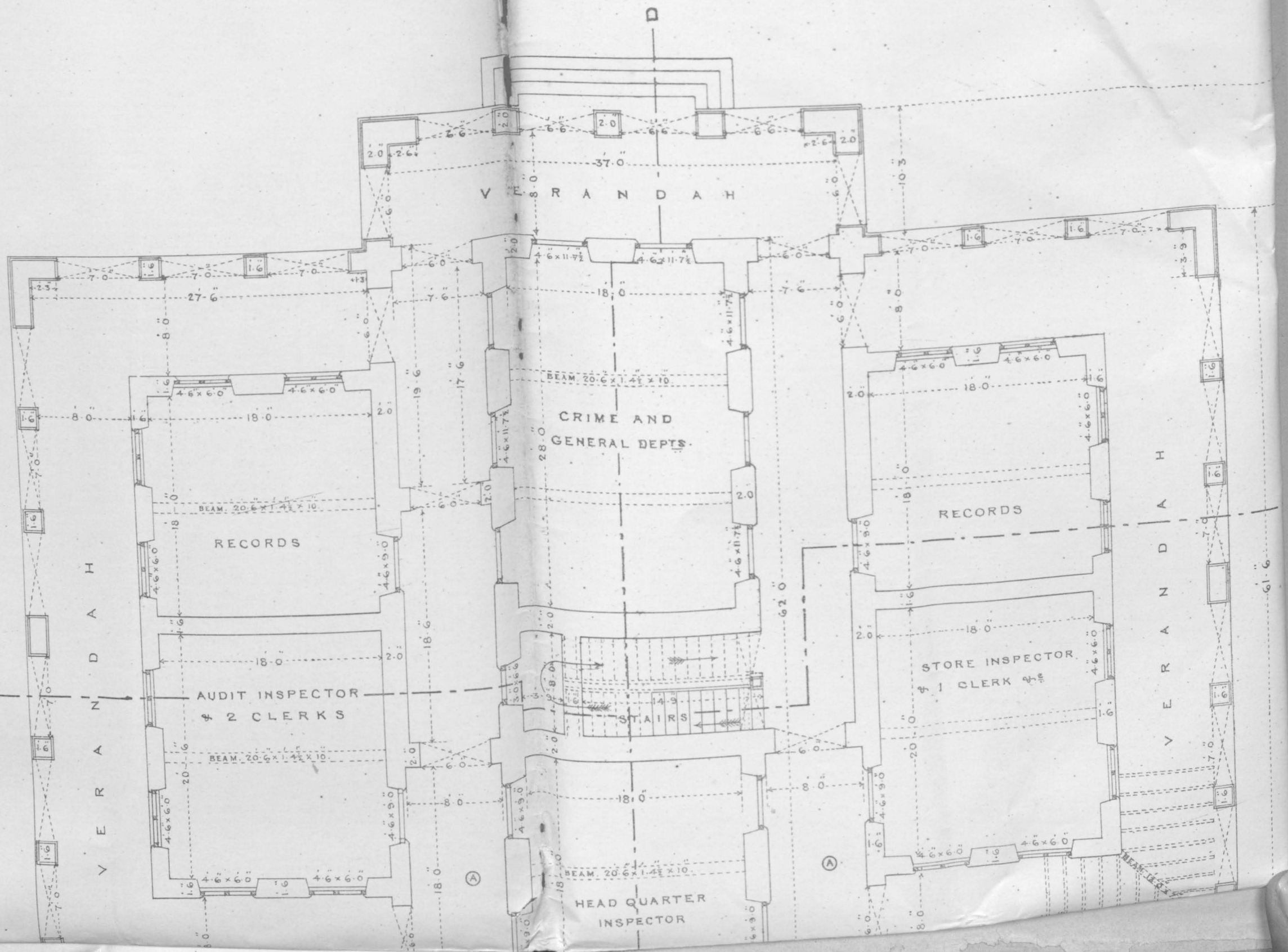
(Signed) H. Irwin C.I.E.
Consulting Architect to Govt.

C. H. B. Burton.
Dy: Chief Engineer, P.W.D.

Zinco. Survey Office, Madras.
1895

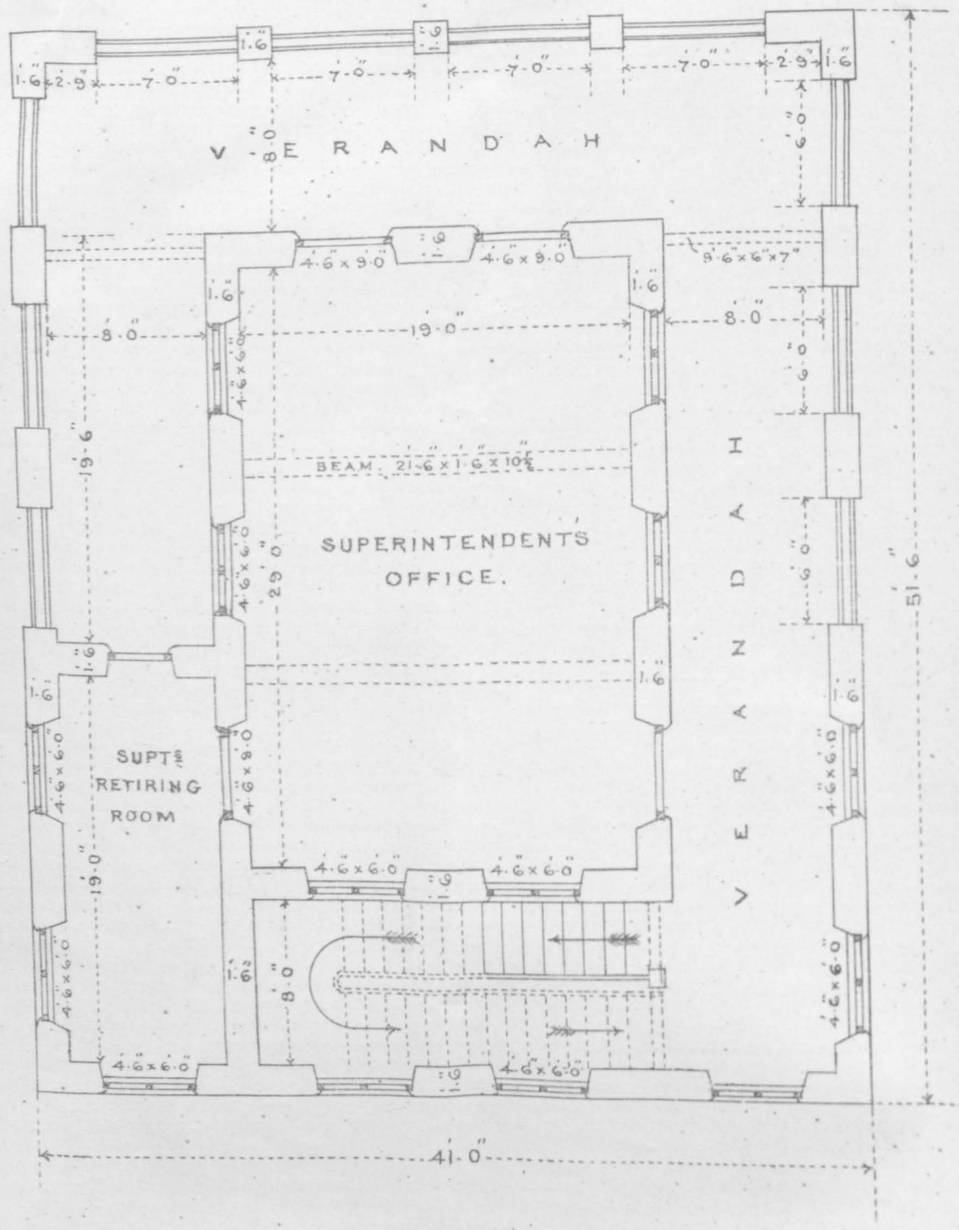
18

TYPE DESIGN FOR POLICE HEAD QUARTER OFFICE.

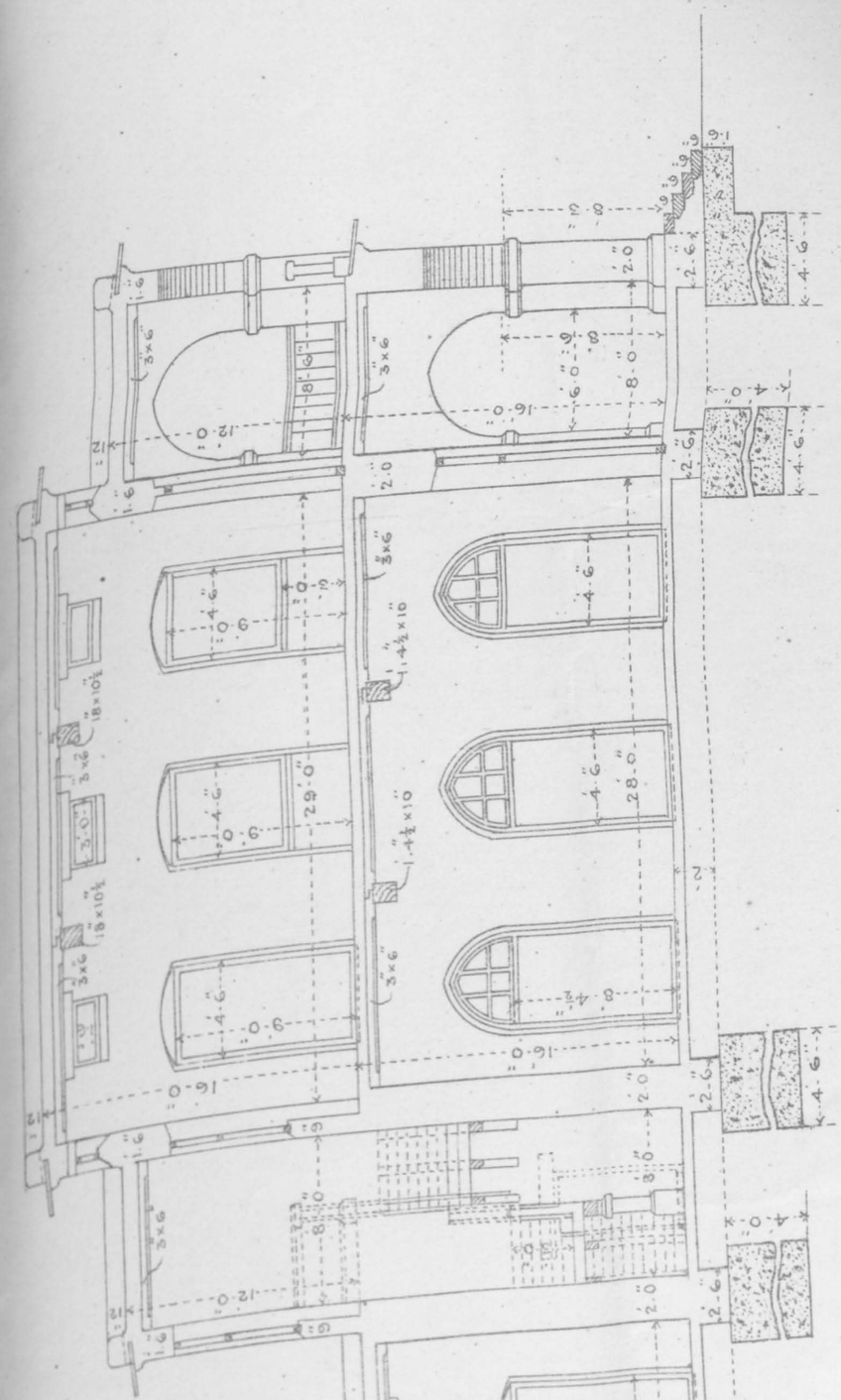


Accompaniment to G.O. No. 1323 W., dated 6th June 1895.

No.



PLAN OF UPPER FLOOR.

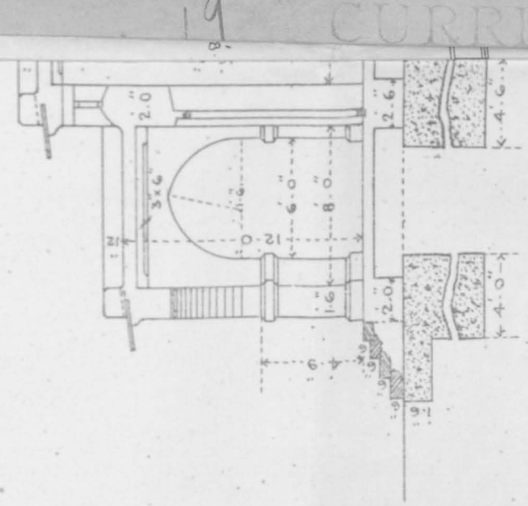


SECTION ON C.D.

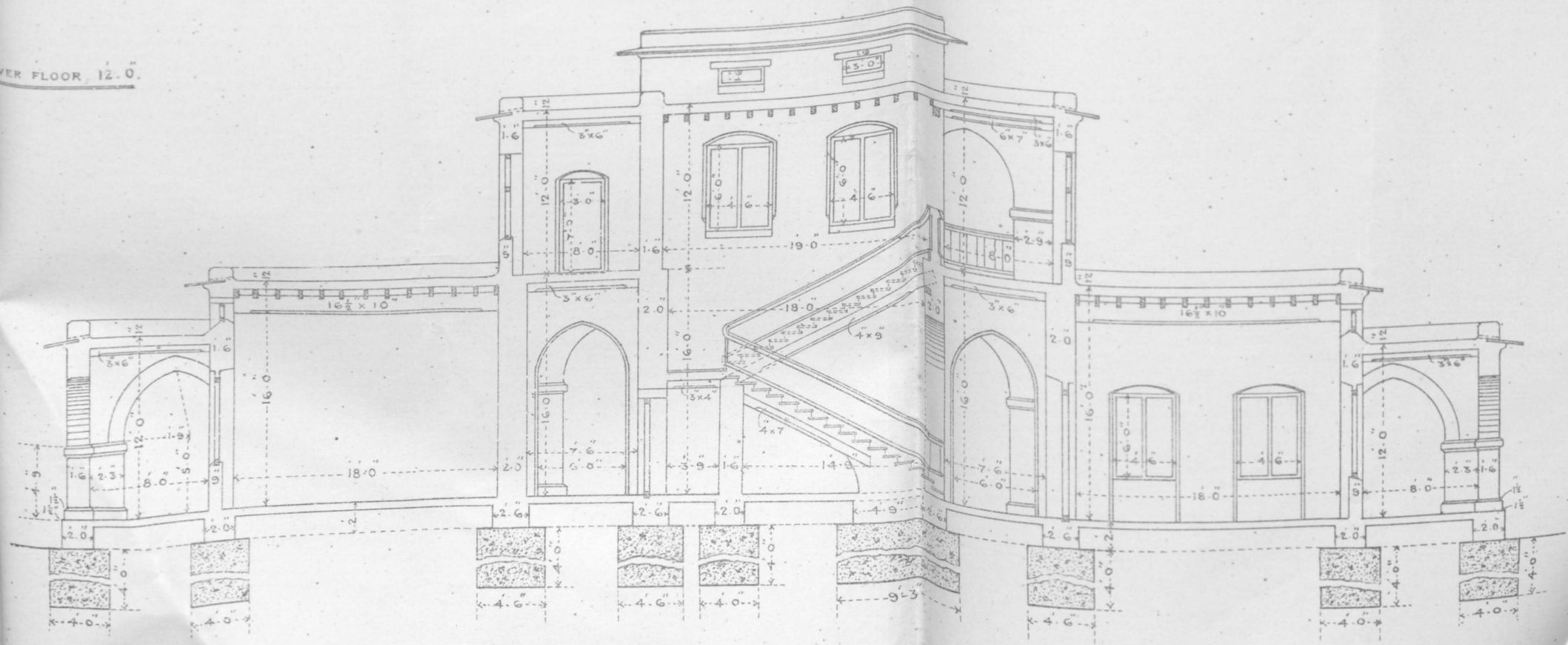
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SCALE 8 FT = 1 INCH.





OVER FLOOR 12.0.



SECTION ON A.B.

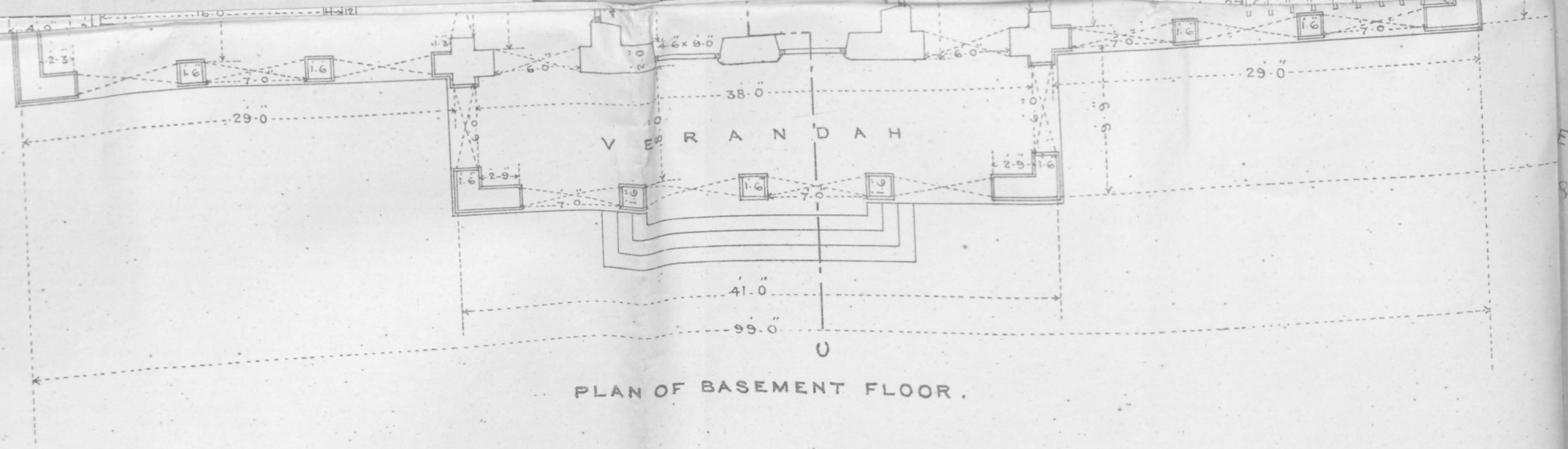
(Signed)

H. Irwin C.I.E.
Consulting Architect to Govt
4th Septr 1894.

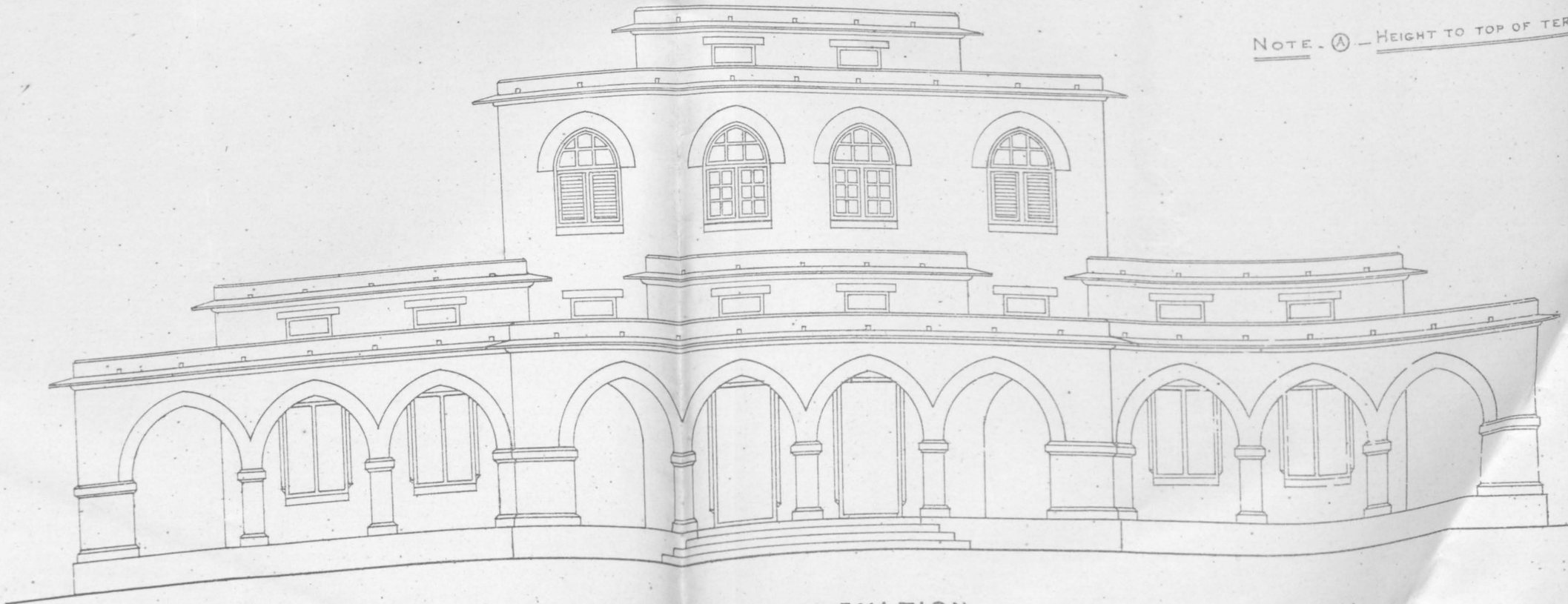
C.H.B. Beadle.
Dy: Chief Engineer, P.W.D.

olice
94.

Zinco, Survey Office, Madras
1895



PLAN OF BASEMENT FLOOR.



FRONT ELEVATION.

NOTE.- Ⓐ — HEIGHT TO TOP OF TERRACE

Supt. Technical Section
Chief Engineer's Office. P.W.D.

(Signed) J. Meredith
Asst. Inspector Genl. of
17th Septr. 18

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19 CURRENT NO. 3482

6TH JUNE 1895, No. 1323 W., PUBLIC WORKS.

OFFICE SECRETARY
10 JUL 1895
GOVERNMENT OF MADRAS

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—again the following paper :—

G.O., dated 28th November 1894, No. 3051 W., Public Works.

READ—also the following paper :—

Office-note from the Consulting Architect to Government, dated 24th May 1895, No. 802.

ORDER—dated 6th June 1895, No. 1323 W., Public Works.

The accompanying type plans of a District Police office, with schedule of quantities and descriptive specification, are circulated to officers of the Public Works Department for information and guidance.

(True Extract.)

Under Secy. to Govt., P.W.D.

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

Exd. T. K. Narayana Aiyangar.
Spare Copies

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Govt. of {1895} Madras.

PUBLIC WORKS.

Eo. 1197 R. 14.12.94
Fo. 2482 : 12.10.94 m
. 938 : 7.5.95 mi

Printed
C R 14-12-94

CN 7/38/96

Order / mi of 29th July 1895 No 158

Communicated to the

Dy. of Police.

25/7/95 — 23.7.95

Dated June, 6th.

Recd. 20th July 1895
Regd 22nd

Encl. 3 (Two plans)

G.O., 6th June 1895, No. 1323 W.

JUNE.

Type Plans

The — of a District Police office, with schedule of quantities and descriptive specification, circulated to officers of the Public Works Department for information and guidance.

No. 23/7

W.O

To

The Dy. of Police. DESPATCHED on 1st AUG 95 with Encls. in M.S

Note.

It is observed that the Hon: Mr. Pollen considered a standard design for Police offices unnecessary. vide his remarks in Go of 12 Oct '94 No. 2482 Judl, mis. But in a later Go he remarked that he was adhere to the standard design.

NR 23.7.95

24.7.95

Fo. 938 : 7.5.95

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examined ____
signed ____
} 189

AIN G.O., No. DATED
189 ,

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