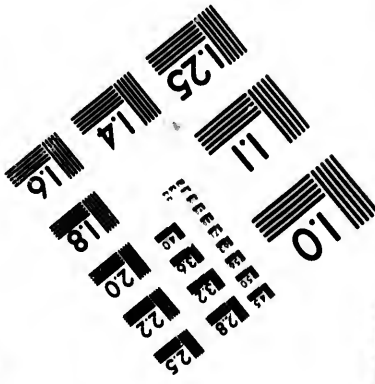
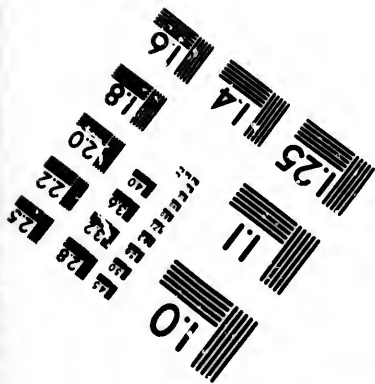
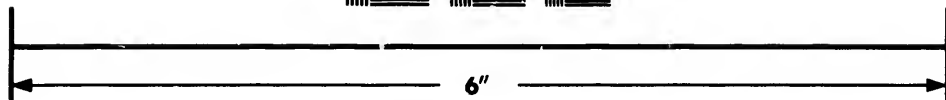
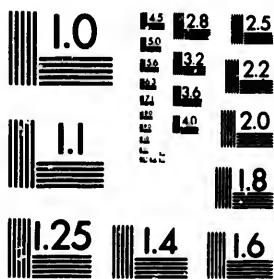


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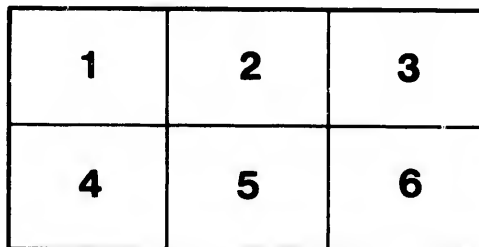
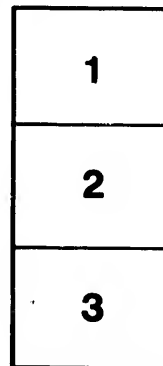
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HONEST EXPOSURE

OF THE

HONEST MANNER

IN WHICH CERTAIN

HONEST OFFICIALS

CONDUCT THE PUBLIC BUSINESS

IN THE

BRITISH COLONIES.

BURLINGTON, VT.
PRINTED FOR THE PUBLISHER.

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INTRODUCTION.

I SHALL trouble the public with very little prefatory matter. I am not skilled in composition; my object is to make known to all magistrates, and to all authorities, the highest and the lowest, the want of faith observed towards professional persons, and to expose to professional men the risk they run of being made dupes, if they are induced to contemplate the undertaking of a Government contract. They will be used as mere tools, as *cloaks* to cover the favoritism which has already decided to whom they mean to *give a good job*; their labor, their anxiety, their calculations, and their expenses, will be all lost; and their tenders will merely serve as a means to the conscientious Commissary, whereby to show that he did appeal to public competition, and thus to blindfold his employers, to enrich his own *protéges*, and to waste the public money.

NARRATIVE.

I READ in the *Montreal Herald* of June 30, 1838, the following advertisement:—

“Tenders will be received at the Commissariat Office, until noon on Thursday, the 5th day of July next, for erecting Cavalry Barracks and Stables, &c. at Chambly: the plans and specifications of which can be seen at the office of the Commanding Royal Engineer.— Prices to be stated in Halifax currency, and each tender to give the names of two responsible securities for the due fulfilment of the contract within the time required by the Engineer Department.

“Commissariat, Montreal, }
“June 29th, 1838.” }

Being a professional man, brought up under the late eminent Engineer, Mr. Telford, and having been employed upon many extensive public works at home, and not being busy at the time, I went to the Engineer Office, and read the following specification.

[The Specification comes in here, but it is on a separate paper, marked Z. and accompanying this.]

In consequence of the advertisement and specification, I made a tender for the work advertised, on the 5th July, 1838. I had visited the place, (Chambly,) but was left pretty much in the dark as to the site intended. I had travelled the country to ascertain how, where, and at what price, I could best obtain materials. I had concluded a conditional bargain for the timber, and finding scarcity of Hardware in Montreal, I had made arrangements to procure what was necessary from Quebec, in case I should under-estimate my competitors, who I soon discovered to be persons that had long been fattened upon a succession of Government jobs, and who, being accustomed to have their own way, were not very likely to calculate how low the work could be done, but how high a price the Commissariat would allow them.

I therefore felt perfectly confident when I gave in my tender for £6,266 11s. 6d. cy. This I have already stated was on the 5th July, 1838.

No decision having been officially notified, although in the Commissariat office I had been once verbally informed mine was the lowest tender—and a second time that *I had got the Contract*—I on 14th July addressed the following letter to the head of the Commissariat Department in Montreal, it having been communicated to me on the 14th July that the contract was given to other parties and to higher tenders.

“Montreal, July 14th, 1838.

“Sir:—As I intend representing in what I conceive the proper quarter, the manner in which I have been used in regard to my tender for the Barracks, &c. to be built at Chambly, and I should be unwilling either to overstate the case, or to give rise to misapprehension, will you be good enough to state the real cause why a higher tender has been preferred to that of myself and my associates? Justice and the public interest appear certainly to demand a reason.

“I am, sir,

“Your most ob't. servant,
“A. D. TAYLOR,
“*Civil Engineer.*”

“To JOHN BANNAR PRICE, Esq., *A. C. General.*”

I received the following answer:—

“COMMISSARIAT, }

“*Montreal, 16th July, 1838.* }

“Sir:—I beg to acquaint you, in reply to your letter

the 14th inst. that the grounds upon which tenders are recommended for approval or rejection are stated to the proper authorities at Quebec, and that I am not at liberty to assign to any other person the reasons for any decision that may be come to in regard to tenders which may be made for public services.

"I am, sir, your obt. servant,

[Signed]

"J. B. PRICE.

"To Mr. A. D. TAYLOR, Montreal."

On the following day I addressed a letter to the head of the Department in Canada.

"*Montreal, July 17, 1838.*

"Sir:—Having on the 5th July given in a tender for the building of Barracks, &c. at Chambly, agreeable to previous advertisement, and having subsequently called at the Commissariat to inquire the decision, I was informed that the matter had been submitted to you for decision. I called a second time, but obtained no information, further than that mine was considerably the lowest tender, until the 14th inst. I was then informed that the work was given into other hands, and was told at (that) the Commissariat (altho' they advertised for tenders) had nothing to do with it. Presuming then that it is by your decision this contract is given to those whose tenders were 50 per cent. higher than mine, may I solicit the REASON, which I have in vain applied for to Mr. Price.

"I am, sir, your most ob't. servant,

"A. D. TAYLOR,

"To R. I. ROUTH, esq, C. Gen.,

"C. Engineer.

"Quebec."

Obtaining no answer from Mr. Routh, I addressed a second letter to that gentleman on the 23d July.

"*Montreal, July 23, 1838.*

"Sir:—I am surprised you have not replied to my letter of the 17th inst. I have therefore again to beg that you will favor me with an early answer.

"Mr. Price wrote to me, but his letter contained no answer to my question.

"I am, sir, your most ob't. servant,

"A. D. TAYLOR.

"To R. I. ROUTH, Esq, C. General, Quebec.

On the 26th July the letter following was delivered at my house.

"D 7:2722.

"COMMISSARIAT, Canada, }
 "Quebec, 23d July, 1838. }

"Sir:—I am directed by the Commissary General to acknowledge the receipt of your letter of the 14th July, wherein you complain that your tender, which you state to be the lowest, for building the Barracks, &c. at Chambly, has not been accepted; and you request to learn the reasons which have influenced this rejection.

"The Commissary General desires me to say that you, and all other persons, must be aware that though the lowest price must always offer strong inducements for the acceptance of an offer, yet it cannot be the only criterion by which it is to be adjudged.

"There is the security to be considered; the abilities of the workman; the experience of those abilities in the execution of former contracts; and his previous engagements in other works which interrupt his progress in that to be undertaken.

"These considerations have had their weight in the choice made in this instance, and of course the senior officer of Engineers, who is to superintend, and become responsible for the work, is entitled to exercise his judgment in their consideration.

"I am, sir,

"your obedient servant,

[Signed]

"HENRY GREEN.

"To A. D. TAYLOR, esq. C. Engineer, Montreal."

Absence in the country prevented my receiving the above at that date, but on my return I answered as follows:—

"Montreal, August 4, 1838.

"Sir,—I have to acknowledge your letter of the 23d July, relative to the contract for the government works now in progress at Chambly.

"Having had occasion to visit that place, to see how far the timber and other materials now employing were conformable with the specification exhibited at the Commissariat, I could not sooner reply.

"I now beg to say I am a *man*, in every sense of the word, and will not be treated as a child. I have asked a reason *why* our tender was rejected; I have received none.—Your letter contains an insinuation regarding the Engineer officer. If you mean me to suppose that his voice has alone directed the allotment of a public work advertised by the Commissariat for public contract, there

has been great dereliction of duty in the department over which you preside.

"If you presume to insult me as a professional man, by the starting of groundless doubts of my ability, I must retort by saying that when public works have lately been confided to *shoe-blacks* and *tailors*, as contractors, it is neither very becoming nor very wise.

"My case is by this time far on its road to those who will bring it before the British Parliament, and the Lords of the Treasury. My only object in asking the grounds on which a preference was given to higher tenders, was that I did not wish to assign any but the *true* reasons.

"I have forwarded both Mr. Price's letters and yours, and still expect that you will supply me with the reason.

"I am, sir,

"your most ob't. servant,

"A. D. TAYLOR, C. E.

"Messrs. ROUTH & PRICE."

Receiving *no reply* to the foregoing letter, I wrote to the gentlemen of the Commissariat no more.

On the 22d of November, I received the following letter from the Ordnance Office.

I. H. I.

R. M.

Office of Ordnance, } M. G.
14th Sept., 1838. } _____

192

"Sir:—In reply to your letter of 19th July, inst. on the subject of the rejection of your tender for building Barracks at Chambly, I am commanded to acquaint you, the papers have been sent to the Treasury, the Commissariat Department abroad, not being under the Board of Ordnance.

I am, sir, your most ob't. serv't.

[Signed] "R. BYHEM.

"Mr. A. D. Taylor, Civil Engineer, Montreal."

After this official reply from London, I again wrote to Mr Price as follows:—

"Montreal, Nov. 29, 1838.

"Sir:—I have received an official communication from England relative to the very remarkable manner of giving out the contract for public buildings at Chambly, from which it appears that the transaction having already been before the Board of Ordnance, had been laid before the Lords of the Treasury, so that I may presume you have heard something on the subject.

"As I have been invited to communicate any further facts calculated to throw light upon the subject, and as I informed you that I should watch the progress of contractors, in your eyes so superior, and should communicate to you the result of my observations before making any further report to England, I have now to apprise you that I find two chimneys built under this contract have already fallen down, and that I visited this proof of the superiority of your mason builders in the course of last week. I shall immediately add the report of my observation to what has gone before, as I will not be wronged by any one. I am, sir, your most ob't. servant,
 "Messrs. Routh and Price." A. D, TAYLOR, C. E.

The above letter has the following addressed to Mr. Price :

"Since the contract that should have been mine was awarded to much higher tenders, you, *sir*, have got promotion; am I to conclude that the additional £500 per annum has been given to reward the discrimination you displayed.
 A. D. TAYLOR. ●

"Mr. Price, Montreal."

I also wrote to Mr. Routh, at Quebec, a similar letter, excepting that I omitted the last paragraph, which to him did not apply. I received no answers from these official characters, and on the 15th January, 1839, I wrote to each of them again as follows :—

"Montreal, Jan. 15, 1839.

"Sir :—With a view to have my letters to England, in allusion to the Barracks &c. at Chambly, ready to leave to-day, I have again visited that place with a copy in my hand of the specification shown to the contractors to guide their tenders. Under this specification your favored contractors undertook the service, unless I am forced to believe, (as I do not now,) that there were two different specifications. This I trust was not the case, as I am determined to lay bare the transaction to the world. In defiance of your groundless doubt of my ability, I fearlessly come forward as a professional man, and tell you that the work is not according to the specification, but a mass of building, or in other words, a heap of deception, thrown upon the hands of government by you. It has certainly lost 50 per cent. over and above its intrinsic value; is this high treason, or treasonable practices against the government.

Such being the case, I seek to know what can be the reason why you accepted tenders higher than my own? the total amount of mine being £6,266 11s. 6d. cy. a sum sufficient to have completed the work according to the specification, which I hereby dare you to prove is now the case. But again: I hope the day is not far distant when I shall prove to the satisfaction of the Lords of the Treasury, and the public in general, that not only in various items does the work in question deviate from the specification, but that to an extent which will positively show the world your conduct towards the government you live by, and to me, in this transaction, has been neither upright nor very honest. These are facts I now have told you, and which cannot be by you deniable, nor from which can you have any reason to expect justification under any circumstance.

"In my letter of the 4th August, to you, I stated that when public works have lately been confided to *shoe-blocks* and *tailors*, as contractors, it is neither very becoming nor very wise to throw aside one of regular professional education. Looking to the men to whom this contract was given, and to the manner of its execution, I must suppose the arrangement to have been made with a view to deprive me of the fair profits which I should have derived from it—when I should have completed it in every respect agreeable to the specification, and that by the day therein particularly specified. But your favored contractors have not yet by a *great deal* completed the work, which you so unwarrantably kept from me, and gave to them. Have those men, so much in your favor, paid the workmen they employed? No. Have they drawn their money? Oh yes.

"Again, in my letter dated Nov. 29, I informed you that I should watch the progress of contractors, in your eyes so superior, and should communicate to you the result of my observation before making any further report to England. The above will be added to what has already gone. I am, sir, your most ob't. serv't.,

"A. D. TAYLOR, C. E.

"To Messrs. Routh and Price."

On the 11th February, I again addressed each of them as follows.

"*Chambly, Feb. 11th, 1839.*

"Sir:—"Having taken memorandums of the magnitude of defrauds, and with what talent, and ingenuity it

has been done, in the construction of the Barracks &c. here, which I tendered for on the fifth day of July last and ought to have had the Contract.

"I do not pretend to know the number of defrauders who should be brought up to give an account of what they meant by their very extraordinary and disgraceful conduct.

"I again inform you I shall dispatch my report of last, and this week, to the Lords of the Treasury, &c. and mention to what extent the defraud has been carried against the Government. In my opinion it is worse than street robbery, or robbing Her Majesty's Mail on the road. I am, Sir, your most ob't servant.

"To Messrs. Routh & Price." "A. D. TAYLOR.

On the 23d February I again addressed them each, as follows,

"Montreal, Feb., 23d, 1839.

"Sir:—In addition to my former visits during the two by-gone weeks, I have carefully examined the building at Chambly, which I tendered for on the fifth day of July last; you offered the work to public competition, and you gave it *by favor* to unnecessarily high tenders. You have then knowingly defrauded the Government and me of a fair profit which I should honestly have the benefit of, but on the contrary I have been put to a great expense watching materials, workmanship, &c., &c., neither of which are conformable with the specification exhibited at your office, and at the office of the Commanding Royal Engineer, which specification I kept a copy of. It will guide me in laying my case bare, to show the world the treatment which I have so undeservingly received from you.

"I cannot cease writing before I say it is my opinion thousands have been brought to public trial for much a less crime than having offered, as you did, the contract for the erection of the Barracks, &c. at Chambly, to public competition, and then decide by pure favor, and ever since the commencement to the erection of the same, you have been [dishonestly] employed deceiving the government.

"Though you did cheat me out of the contract, yet you cannot much longer out of the pure profits. Further, to show the Lords of the Treasury, and yourself, the horrible enormity of your crime, I hereby offer to contract with Her Majesty's proper authorities to construct

Barracks, &c. in every respect conformable to those at Chambly, either at that post, Sorel, or Three Rivers, with a perfect understanding that I should not be required to use any better quality of materials of the different descriptions, and of the same dimensions as what have been used in the construction of the Barracks, &c. at Chambly—nor shall I under any circumstance be required to show any better display of workmanship than that which has been bestowed on the building of the Barracks, &c. at Chambly—for the sum of five thousand, five hundred and sixty-six pounds, eleven shillings and sixpence, Halifax currency, being seven hundred pounds under the amount of my Tender which you have for the construction of the Barracks, &c. at Chambly, the contract for which you gave to your favored contractors at fifty per cent. higher than mine.

“I do not mean to have the facts I stated to you in allusion to my having tendered for the said works consumed in an iron stove in Canada, but that the same facts shall blaze through the world, the fire to take first in that well known newspaper, called the *London Times*.

“I shall forward a copy of my letter of the 11th to you, dated at Chambly, and a copy of this letter without delay to the Lords of the Treasury, and some members of the British Parliament. Annexed you have a copy of my Bill for bad treatment by you.

“MONTREAL.

“HER MAJESTY, To A. D. Taylor, Dr.

July 1838—To profits which ought to have been received on account of work at Chambly, per Tender,	£644 12 7
1839. - - - - -	-
Feb. 23.—To expenses incurred watching at Chambly, up to this date,	14 3

£658 15 7

“In addition to this amount, government loses more than £700 by the inferior construction of the Barracks, besides the extra charges they must be at, and besides the many valuable lives that must be lost by occupying *such* buildings in this climate. I am, sir,

“A. D. TAYLOR, C. E.

“To Messrs. Routh and Price.”

Finally, on April 1st, 1839. I wrote to both as follows:
Montreal, April 1st, 1839.

Sir:—I have no need to enter into the particulars of

my letter of the 23d February. In addition to what I stated in that, as well as former letters to you, I have to add that the specification for the Chambly Barracks, &c. have been deviated from so much that I fearlessly tell you, however it may take effect upon your stomach, that it shall be exposed to the world. In the mean time I was surprised, during Saturday and the two previous days, to see Carpenters employed in taking out rotten sleepers, &c. put in during the erection of the *work*, and filling their places with better materials.

"This I presume must be extra work, since the terms of the contract required the buildings to be finished 31st October, 1838.

"By the time this disgraceful job is finished, it will have cost Government full *three* times what would have erected a *good* building; and if great haste is not made, the present miserable one will be falling down before it is finished. In the course of a week I shall cease my correspondence with you, and put my communications into public print. I am, sir, your most ob't. serv't

"A. D. TAYLOR, C. E.

"To Messrs. Routh and Price."

CONCLUSION.

Such has been the treatment I have received; such the conduct of persons who would utterly exclude and trample upon every honest man, every one who is not of their own stamp, not willing to be subservient to all their views. I have hereby appealed to the British public in Canada, and I solicit the advice and assistance of such persons as can facilitate my further appeal to those British authorities, which have the power to arrest the proceedings of the evil doer, and to vindicate the insulted and oppressed.

It will, at least, be admitted that I have not implored the aid of any friendly Jupiter, without having first put my own shoulder to the wheel.

I have refrained from touching upon the many other grievous wrongs that have come to my knowledge, because I would not incur the imputation of raking up grievances wantonly, whereas I am impelled by a deep and personal sense of wrong.

A. D. TAYLOR, C. E.

No. 121.

ROYAL ENGINEER OFFICE, }
Montreal, 30th June, 1838. }SPECIFICATION OF SUNDRY WORKS TO BE PERFORMED
IN ERECTING AN OFFICER'S BARRACKS AT CHAMBLAY.

Excavator.—Dig the trenches to receive the external and internal foundation walls, including chimnies 4 feet below the ground line at the lowest point, which trenches are to be made perfectly level and even at the bottom, also excavate for and form a cellar, and descent of the dimensions figured on the plan—and fill in and well ram round the walls as the work is brought up. The earth arising from the excavation to be carted and levelled where may be directed, and the superfluous earth, rubbish, &c. removed from off the premises, that the whole may be left in a clean and perfect state.

Mason.—The stone to be the best gray building material, or equal thereto, and the mortar composed of good fresh lime and sharp river sand, mixed in the proportion of 1 of lime to 3 of sand; the whole to be well chafed, tempered, and incorporated together. The foundation walls, chimney breasts, &c. to commence upon a footing of two 8 inch courses, having a set off of 4 1-2 inches on either side, and from this stage to the top, viz. one foot above the ground line, 2 feet in thickness, in good sound rubble masonry composed of large flat stones, and well bedded, fitted and banded, introducing thorough stones every 5 feet, the same to be well packed, groated, and levelled all ways to receive the pinesills. The cellar and descent walls to commence 7 feet below the ground line, and be carried up 2 feet in thickness to the top of the ground story joists—provide and set out stone hearths, fire boucharded to all the fire places, also mantle and jambs to kitchen do., flush, fair and lime white the walls of cellars.

Bricklayer.—The whole of the bricks used in the building to be good, sound, well burnt bricks, and the mortar as described in the Mason's work of this specification. Build the several chimnies commencing upon the stone foundation, of the heights, thickness, &c. as shown. The work to be flushed through its whole thickness, and the return and cross joints filled in solid with mortar. Bring up the flues where shown, 16X8 inches, having 8 inch fronts and sides with 4 inch divisions, and carefully point the same as the work proceeds. Form half brick trimmer arches in front of every chimney opening 18 inches wide, and 18 inches longer than their re-

spective openings. Also, provide and fix cast iron chimney bars 2 1-2X1-2 inch, the same to calk up and down upon the jambs, and provide and set metal pipe holes where may be directed, including also stone slips and setting grates to each opening.

Carpenter and Joiner.—All the pine and other woods used throughout the building to be free from sap, shakes, large, loose or dead knots, no quarter or farring to be more than 12 inches from centre to centre. All the skirting, door and window jambs to be framed and splayed to receive the plastering. Build a framed building of pine, of the length, depth and height figured on the plans—clapboarded on the outside, wrought and rebated, showing a gauge of not more than 6 inches to the weather, and bind with 3 inch deal (upright) inside, dowelled together every 3 feet, with oak dowels 4 inches long, and securely spiked to the plates with 6 inch spikes—six to each plank. To lay pine sleepers or sills 12X8 on the external and internal division walls, the external rebated to receive the planking. Middle plate 9X6 tennoned and pinned into uprights. Top do. 9X6, uprights 9X8, spaced about 10 feet apart. Studs 4X3, two feet apart, tennoned into upper plate and dovetailed into lower sill and nailed with 2 five inch wrought nails; Braces 5X4; Rafters 7X3 and 5X3, two feet from centre to centre; Collars 7X3; Kings 6X3; Hips and Ridges 2 inches thick by the depth required; Lower joints 9X4; Middle do. 10X3; Upper do 10X3, and spaced 2 feet from centre to centre, with proper trimmers where required, 1-2 inch thicker. Every third joist to be dove-tailed an inch down to the Plate, and the remainder to be notched down so as to be flush on the top, and nailed at each end with two 5 inch rose headed nails, wrought. To lay 2 inch ploughed and tongued batten floor, second quality, securely nailed to joists with 5 inch nails, wrought. The heading joints to be also ploughed and tongued, with mitred border of oak to hearths. To fix 4 inch pine framed and braced stud partitions, dividing the rooms on the ground and upper stories. The angle studs, heads, sills and doorposts all 4X4, quarters and puncheons 4X3. Cover the roof with pine shingles, 4 inches to the weather, on 1-2 inch boarding ploughed and tongued, and securely nailed to rafters, and for the ceilings throughout with inch stuff, 2 1-2 inches wide. Fix a 3 inch plank partition on either side stairs to cellar, dowelled and grooved into top and bottom plate 5X4, and fit up the wine cel-

lars with shelving and bearers may be directed. The doors to be 1 1-2 inch ledged and braced, wrought both sides, grooved and tongued, hung with strong hooks and rides, folding; and fitted with 10 inch stock locks and handles complete.—Also provide and fix cellar flap, frame and fastening to descent. Four small sashes 3 1-2 feet long by 10 inches high, will also be required in cellars, hung from the top with 2 1-2 inch butts, and furnished with bolts and window boards—include also one square iron bar [inch] to each window. The stairs communicating with ground story to be 2 inch steps and risers on pine carriages, housed into 3 inch strings, with pine handrail and newel 3 inches square, introducing a middle rail, in lieu of ballusters 3X1 1-2 inch.

Ground Story—Fix 1 1-2 inch moulded skirting 12 inches high to all the rooms and passages on this story on proper framed grounds, prepare and fix deal cased frames, pine sunk and weathered sills, and 2 inch ovolo English sashes double hung, with brass pullies, white lines and iron weights to all the windows on the ground and upper stories. Provide and fix to ditto brass sash fastenings, with 1 1-2 inch rounded window board, and inch beaded jamb linings, &c. complete. Winter sashes in one height corresponding with the above and fitted with sliding ventilator, glazed, to be fitted to all the openings, and fixed to permanent frames with two pair of hooks and eyes; also to provide summer blinds made folding, hung with hooks and rides, and furnished with hook and eye fastenings, and back ditto. The entrance doors to be 2 inch, 4 panel, moulded and head butts with fans over, hung with 4 inch butt hinges and provided with 8 inch 3 bolt, iron rim brass knob locks, rose and thimble socket, 12 inch top and bottom barrel bolts, inch headed jamb linings, &c. complete. The inner doors to be 2 inch, 4 panels moulded both sides, hung with 3 1-2 inch butts, 1 1-2 inch double rebated jamb linings, with inch framed grounds, splayed to receive the plastering, and provided with good 7 inch iron rim brass knob locks, and single faced architrave both sides. To fix staff heads to the chimney breasts. The stairs to commence with a bold curtail, and to be 1 1-2 inch clean steps and risers with moulded nosings on pine bearers, housed into a 2 inch framed string, with a 3-4 return head stuck on the lower edges and 1-2 inch headed capping on the top. Two and half inch square framed cherry wood handrail, with scroll end and newels: 1 1-4

inch pine ballusters, 2 to each step, introducing a sufficient number of iron ballusters to effectually strengthen the railing. The skirting to be scribed to the steps, and 3-4 inch lining with rounded nosing to well-hole of stairs. Fix a 2 inch wrought and moulded shelf on shaped brackets to kitchen fire place. Provide and fix moulded and square closet fronts, the height of the story, where shown upon the plan, including 4 tier of shelving, the doors to be hung in two heights, with 3 inch butts and provided with 7 inch iron rim locks.—Also fix pin-rail and 8 iron Cloak-pins in each room. To fix wrought and headed enclosure under principal stairs and hang a door in do. for access to cellars. Provide neat wood chimney pieces and 30 inch gates to all the fire places—include also 4 tier of shelving and hearings in pantries.

Upper Story.—The finishings and workmanship of this story to correspond in every respect with the ground story. Provide and fix eaves-troughs and water tables round the entire building, include 8 stacks of conductors, 4 roof ladders and steps to entrance.

Plasterer.—Render flat and set the chimney breasts and lath plaster and set the ceiling of partitions through out the building. 2d. White the ceilings and distemper the walls, the colours to be approved. The plasterer to use all leads, to firm all quirks, arrows, &c. to make his work complete in every respect.

Painter.—The whole of the outside and inside wood and iron work, including shingles, winter sashes and summer blinds, to be painted 3 coats good oil color of such plain colors to be approved. Paint the roof round base of chimney shaft with oiled cement—and glaze all the sashes and fans with box glass, well putt'd and sprig'd and back pullited: leaving the whole in a clean and perfect state at the rendering up of the building.

Also for an Officer's Privy to be erected at the same post.

To excavate for and form a soil pit 17X6 feet and 10 feet deep, clear dimensions and build the sides in good sound rubble masonry to the surface of the ground of the same description of workmanship and material as described for the foundation wall of the Officer's Barracks. To fix a cedar frame round the soil pit of scantling 8X6 well secured at the angles with dragon ties introducing three beams across of the same scantling dovetailed and pinned down to external sills.

To build a privy 17 feet long by 6 feet wide,—sills

8X4, angle Studs 4X4, intermediate Studs 4X3 and two feet apart—braces 4X3, plate 4X3, joists 7X3, rafters 4X2, the roof to be covered with pine shingles, 4 inches to the weather, on inch grooved and tongued boarding, the whole to be properly framed and braced and covered with inch wrought and rebated clapboarding, 7 inches wide and lined on the inside with inch wrought, one side grooved and tongued and wrought one side, the partition dividing the privies to be also of 2 inch deal, wrought both sides and beaded in addition. To fit up the same with seats and risers, having clamped flap and frame, hung with T. or H. hinges. The doors to be inch ledged and braced and grooved, tongued and beaded, and hung with strong hooks and rides and furnished with architraves both sides. Also spring latches and keys, one key to be provided for each of the Officer's Rooms. Fans to be inserted over each door, for lights and ventilation. Flues from each privy to be fixed from the soil pit through the roof. To cover the cesspool in rear of the privy with 3 inch plank grooved and tongued, and provide and fit a folding ledged flap for access thereto, hung with strong hooks and rides and fitted with rings and staples. To provide and fix cedar posts wrought, 11 feet long, 4 feet in the ground, with 3 rails 17 feet long, tenoned and pinned into the posts, and cover the same with inch wrought, grooved and tongued boarding, to form a screen in front of Officer's privy.—The clapboarding, including shingles, inside of doors, fans and screen to receive three coats of good oil color.

Also for a double range of Cavalry Stables with Barrack rooms over at the same post, 242 ft long by 42 ft wide.

To excavate for external and internal foundation walls including chimnies &c. to the depth of 4 feet below the surface of the ground at the lowest point, and build the foundation walls of good round rubble masonry, with lime and sharp river sand, well tempered and incorporated together, in such proportions as shall be pointed out. The footing courses to be formed of large flat stones laid on a level bed, and headers shall be thrown to every 5 feet to each course, the whole to be well bedded, pointed and leveled as the work is brought up. Build the several chimnies in brick work commencing upon the stone foundation of the heights, thickness as shown: the work to be flushed through its whole thickness, and

the return and cross joints filled in sound with mortar; bring up the flues where shewn 10 inches by 8, leaving 8 inch fronts and sides and 4 divisions; carefully point the same as the work proceeds. Provide and set metal pipe holes where may be directed.

Carpenter.—The building to be framed and braced and lined inside with 3 inch deal placed vertical dowelled with 6 oak dowels 11-4 inches diameter, 4 inches long and well set up, each deal to be nailed with 6 spikes, 2 in the lower sill, two in the joist, and two in the plate. The outside to be clapboarded on a 2 inch water table with boards 3-4 at the lower edge, and 1-2 inch at the upper, nailed to the uprights and studs with 2 1-2 inch wrought nails, and between ditto with 2 inch nails, so that the nails shall not be more than 10 inches apart. Lay pine sleepers or plates 12X8 on the external and division walls, the external to be rebated to receive the 3 inch planking.— Middle plate 9X6, joists 9X5, tenoned and pinned into uprights. Top plate 9X6, uprights 9X8, spaced not more than 10 feet apart. Studs 4X3, two feet apart, tenoned into plate, and dovetailed into lower sill, and nailed with two five inch wrought nails. Braces 5X4, Rafters 8X3 and 5X3, and three feet from centre to centre. Collars 7X3, Kings 7X3, Hips and ridges two inches thick, by the depth required. Run beams 8X6, Heel posts 6X6 tenoned into trimming joists and floor. The roof to be covered with pine shingles 4 inches to the weather, one inch ploughed and tongued boarding, properly cleaned off on the upper side to receive the shingles. Lower joists 9X4 middle 10X3, paced 2 feet from centre to centre. Upper joists 8x3 and 3 feet apart, with proper trimmers where required half an inch thicker. Every third joist to be dovetailed an inch down on the plate, and the remainder to be notched down so as to be flush on the top side. One ditto to be introduced every 10 feet, tenoned through the uprights, and pinned with oak pins; the whole to be nailed at each end with two rose headed nails, wrought. Two transverse joists to be laid, to give slope to the stalls, as will be shewn at the time of execution. The lower floor to be 3 inch plank, straight joint, and nailed to the joists with 6 inch spikes, six to each plank. The upper floor to be 2 inch deal, wrought, grooved and tongued, and nailed to each joist with 5 inch wrought nails. The divisions between the Stables, Guard room, Lock up room and cells to be similar to external framing, and secured to the floor with

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angular pillots cut out of 3 inch scantling; nailed every foot with 5 inch wrought nails, the top ends of the planks to be nailed to the upper joists with 6 inch spikes, two to each plank. The stall divisions including racks, mangers, fittings, &c., to be in all respects similar to Hospital Stable; 16 ventilaters to be inserted in the ceiling of each stable 6 inches square, with a corresponding number in external framing. For the ceilings of stable and rooms over with one inch stuff; to 2 1-2 wide to receive lath and plaster. Fix pine framed and braced partitions dividing the rooms and passages in the upper story, covering the same, as also the inside of external framing with inch boarding, wrought, grooved and tongued; also fix bold skirting pillot, cut arriswise to all the rooms and passages, and nailed as before described. The stairs to be 3 inch treads and 2 inch risers, wrought with rounded noosings on pine bearers, housed into a 3 inch string, with a 3-4 return bead stuck on the lower edge, and 1 2 inch beaded capping on the top; 2 1-2 inch square framed hard wood handrail and newels, and 1 1-4 inch pine ballusters, two to each step. The stable and entrance doors to be 1-1-2 inch deal, ledged and braced, wrought both sides and hung with strong hooks and rides with screw bolts, and fitted with a good 10 inch stock lock, and strong handle and thumb latch. The hooks to pass through the doorframe, secured by nuts and washers on the inside. The frame to be of 3 inch deal, wrought and rebated, tenoned into oak sill 4 inches thick, with bead transum with fan over; the latter to be hung from the top with 3 inch butts, fitted with turnbuckles and hooks and staples to keep them open. The lower sashes to be 2 inch deal ovelo, made sliding in solid frames. The upper sashes to be Canadian 6X3 1-2 feet having architraves both sides, and inch jamb linings, and 1 1-2 inch rounded window, board inside, to be hung with 2 1-2 inch pin butts, and fitted with top and bottom bolts and back fastenings complete. The cell doors to be formed in two thicknesses of inch deal wrought both sides, grooved and tongued, and nailed together with 3 inch wrought nails, hung with hooks and rides as the stable doors, and furnished with stout iron bars, staples and padlocks, to be approved before fixed; the remainder of the doors to be inch deal, ledged, grooved and tongued, wrought both sides, hung in double rebated jamb linings with T hinges, having architraves both sides and 9 inch stock locks, thumb

latch and handle complete. Each room to be fitted with inch wrought shelving the entire length 12 inches wide; also pinrails and armband rails including eight armbands and twenty-four pins and pistol hooks.— Eaves troughs of solid pine 5x4 to be fixed round the entire building, and secured to the plates as already described. Eight conductors to be provided and fixed to convey the water from the roof. The ceilings of the stables and barrack rooms over to be lathed and plastered two coats. To glaze all the sashes with 2d N. C. glass, and paint the entire building externally, including inside of sashes and doors, three times in good oil color. The whole of the keys throughout the several buildings to be filled with brass and stamped.

Also for a Cook House at the same post.

To excavate for foundation walls, chimney and boilers to the depth of four feet below the ground line, removing and levelling the earth should it be required.— The mason's and bricklayer's materials and workmanship employed, to be of the same quality and description as already described. To pave the floor with brick on edge, laid in mortar and well grouted. To provide and set 8 cast iron boilers and frames, 2 feet 2 inches diameter and 17 inches deep; with the same kind of frame and doors as those used in the Montreal Barracks. The Boilers to be furnished with sheet iron covers and steam flues, as will be pointed out. The Cook House to be 30x26 feet and 10 feet from floor to plate; to be built of the same materials and workmanship as the barracks before described.

Also for a Shoering Forge at the same post 38x38 feet outside measure.

The excavation, rubble masonry and brickwork of Forge, including external framing joists, &c. to be as already described, and of the lengths, depths and heights shewn on the plan. To lay a 3 inch plank floor, straight joint securely nailed to joists every two feet with 6 inch spikes. The sashes to be 2 inch sliding in solid frames, with inch jamb linings and architraves outside and half inch lining three inches wide inside, the door to be 1 1/2 inch ledged and braced, in solid rebated frame with fan and transom over, hung with strong hooks and rides and fitted with 10 inch stock lock and thumb latch and handle. To provide and set a boiler, No. 6,

with iron door and frame. Rings and staples for horses to be also fixed where may be directed. To glaze all the sashes and paint the entire building 3 times in oil.

Also for a Hospital Stable and Pharmacy at the same post.

To excavate for foundation walls, chimney &c. 4 feet below the surface, and insert stone foundation 2 feet thick and one foot above the ground line, of the same materials and workmanship as already described, also build a chimney in brick work, and proceed and set a boiler with iron cover and frame. The building to be 150 feet long, 20 feet wide and 12 feet from sill to eaves, outside measure, framed and clapboarded outside and lined with 3 inch deal inside, fixed vertical, dowelled together every 3 feet with oak dowels 4 inches long and spiked together to the top and bottom plates with six inch spikes, two to each end. The scantling of timber in external framing to be as already described for the Cavalry Stables, introducing an arm-beam 8x6 and heel posts 6x6, the divisions between the Boxes and Pharmacy to be 3 inch deal fixed upright and secured to the floor with angular pillets out of 3 inch scantling cut arrisways, and nailed every foot with five inch wrought nails. The top ends of the planks to be nailed to the upper joists with six inch spikes, two to each deal, to be also dowelled together as external framing. The stall divisions to be 2 inch deal grooved and tongued and let into a groove and rail 4x3 which is tenoned into heel posts and fixed at the head with fillets of piece scantling 3x4 cut arris wise, and nailed to the walls or partition with 4 inch wrought nails; fillets of the same description to be fixed to the bottom and nailed to the floor. The lower joists to be 9x4 and two feet apart, introducing two longitudinal ditto to give slope to the stalls, as will be shewn at the time of execution: the upper joists 8x3 space and three feet apart, and secured to external framing as before described.— The lower floor to be of three inch deal, straight joists and nail to the joists with six inch spikes, six to each plank. The upper floor to be 1 1-2 inch deal grooved and tongued, and nailed to each joist with two five inch wrought nails. Openings to be left over each stall and box 18x14 inches to put the hay down, and fitted with inch ledged doors, hung with 14 hinges to shut down at pleasure. An opening also to be left at the end of sta-

bles &c., for access to loft, fitted with door and step ladders to each. Iron pistol hooks made to a pattern; hard wood pins and saddle brackets, cut arriswise out of six inch scantling 22 inches long and tenoned through the heel post and wedged, to be fixed to each stall and box. The mangers and racks to be formed by a chin-piece of fine scantling 4x4 rebated to receive 2 inch lining and rounded on the top side, and lined from edge with stout sheet iron, nailed with 1 1-2 inch wrought nails, and fitted with two strong rings and staples, one on each side of the stalls. The manger to be 14 inches square, and 8 inches deep, fixed on the top of the chin-piece, and lined outside and inside, excepting the bottom, with sheet iron. Head and heel chains will be fixed to all the stalls, in such lengths as shall be approved by the officer superintending. The doors to be 1 1-2 inch deal ledged and braced, wrought both sides, and hung with strong hooks & rides with screw bolts; the hooks to pass through the frame, and be secured by nuts & washers on the inside. The frames to be of 3 inch deal, wrought and rebated tenoned into oak sills 4 inches thick with head and transum over. The sashes to be 2 inch deal made sliding, and glazed with 2d N. C. Glass; the transour lights to be hung from the top with 3 inch butts, fitted with lever buckles and hooks and staples to keep them open. The doors to have good 10 inch stock locks and strong handle and thumb latches to be approved before fixed. Ventilators to be inserted at the head and heel of each stall and box, the exterior of the building to be covered with inch, wrought and rebated, feather edged clapboarding, showing not more than 6 inches to the weather, on a water table of 2 inch deal weathered.—The boarding to be nailed to the studs and uprights with two inch nails, wrought. Eaves troughs of solid pine 5x4 to be fixed round the entire building, and fixed to the plate with 3-4 inch bolt iron, sharpened at the point, and driven through both. Six conductors to be provided and fixed to carry the water from the roof,—also insert three Dormer windows in roof, fitted with inch ledged doors, hook and eye hinges, and strong hook and staple fastenings, a sliding wicket to be formed in each. The whole to be painted three coats in oil outside, and the doors, frames, sashes and sash frames, three oils inside.

Also a Soldier's Privy at the same post.

To excavate for a soil pit 25x8x10 feet deep, and erect

a Privy as per plan, removing and levelling the earth where may be directed. The sides of the soil pit to be lined with rubble masonry in mortar two feet thick, commencing ten feet below the surface or ground line. The roof to be covered with inch deal, grooved and tongued and cleaned upon the top side to receive the shingles, which are to be of pine, and shewing a gage of four inches to the weather,—sill 8x4—angle studs 4x4—intermediate studs 4x3 tenoned into the top and bottom plates—braces 4x3—top plate 4x4—rafters 4x2—joists 7x3. The whole to be properly framed and braced and covered with inch wrought and rebated clapboarding outside, and lined with inch deal, grooved and tongued inside. The floor to be two inch deal, grooved, and tongued, with a partition of two inch deal, dividing off a portion for women's Privy, which is to be fitted with seat and riser as will be directed. The men's Privy to be fitted with risers of two inch deal and cross bearers of pine 4x2 1-2 rounded on the top edge and firmly fixed. Two openings will be left for doors in men's Privy, and the women's to be fitted with an inch ledged door, hung with strong hooks and rides and thumb latch and handle. Two flues to be fixed from the soil pit through the roof, to cover the cesspool in the rear and form a trap as described for officer's Privy. Fix cedar posts 11 feet long, 4 feet in the ground, with 3 rails 25 feet long, tenoned and pined into posts, covering the same with inch wrought, grooved and tongued boarding, to form a screen in front of Privy. Paint the entire building externally, three times in oil.

Also for a Hospital at the same post, 42 feet by 38, inside measure.

Excavate.—Dig the trench to receive the external and internal foundation walls, including chimnies 4 feet below the ground line at the lowest end, which trenches are to be made perfectly level and even at the bottom; fill in and well raise round the walls as the work is brought up. The earth arising from the excavation to be carted and levelled where may be directed, and the superfluous earth, rubbish &c., removed from off the premises, that the whole may be left in a clean and perfect state—also to regulate the ground and form such surface drains as may be pointed out at the time of execution.

Mason.—The stone to be the best grey building ma-

terial or equal thereto, and the mortar composed of good fresh lime and sharp river sand, mixed in proportion to one of lime to three of sand, the whole to be well chafed, tempered and incorporated together. The foundation walls, chimneys, breasts, &c. to commence upon a footing of two eight inch causes, hanging a set off of 4 1-2 inches on either side, and from the stage to the top, viz: one foot above the ground line, two feet in thickness, in good sound rubble masonry, composed of large flat stone, well bedded, fitted and lounded, introducing thorough stone every five feet, the same to be well packed, groated and leveled, always to receive the pine sills. Provide and set on stone hearths (fine Boucharded) to all the fire places, also mantle and jambs to kitchen ditto. Provide and set one kitchen range, two boilers and frames in kitchen.

Bricklayer.—The whole of the bricks used in the building to be good, sound and well burnt brick, and the mortar as described in the masons work of this specification. Build the several chimneys, commencing upon the stone foundation, of the height, thickness, &c. as shewn. The work to be flushed through its whole thickness, and the return and cross joints filled in solid with mortar; bring up the flues where shewn 16 inches by 8, having eight inch sides and fronts, with four inch division and carefully point the same as the work proceeds. Form half brick trimmer arches in front of every chimney opening 18 inches wide and 13 inches longer than their respective openings; also provide and fix wrought Iron chimney bars 2 1-2x1-2 inch the same to ealk up and down upon the jambs, and provide and set metal pipe holes where may be directed; include 30 inch grates and setting to each opening; also stout hoop straps to each chimney cap.

Carpenter and Joiner.—All pine and oth r woods used throughout the several buildings to be free from sap, shakes, large loose or dead knots, no quarter or faring to be more than 12 inches from centre to centre; all the skirting door and window grounds to be framed and spayed to receive the plastering.

Build a framed building of pine, of the length, depth, and height figured on the plan; clapboarded on the outside, wrought and rebated, shewing a gauge of not more than 6 inches to the weather, and lined with three inch deal (upright) inside dowedled together every three feet with oak dowedls four inches long, and securely

spiked to the planks with 6 inch spikes six to each plank; lay pine sleepers or sills 12x8 on the external and internal division walls the external rebated to receive the planking; middle plate 9x6 tenoned and pinned into uprights; top ditto 9x6, uprights 9x8 spaced about 10 feet apart; girts 9x5 tenoned into uprights; studs 4x3 2 feet apart tenoned into upper plate and dovetailed into lower sill, and nailed with two five inch wrought nails, braces 5x4; rafters 7x3; and 5x3, two feet from centre to centre; Collars 7x3; Rings 6x3; hips and rides two inches thick by the depth required; lower joists 9x4; middle ditto 10x3; upper do 10x3 and spaced two feet from centre to centre, with proper trimmers where required, 1-2 inch thicker every third joint, to be dovetailed an inch down on the plate and the remainder notched so as to be flush on the top and nailed at each end with two five inch rose headed nails, wrought. One joist to be introduced every 10 feet tenoned and pinned into uprights: lay two inch ploughed and tongued latten; floor two inch deal, securely nailed to joists with five inch nails, wrought.— The heading joists to be also ploughed and tongued with untree boarders of oak to hearths. Fix pine framed and braced stud partitions dividing the rooms on the ground and upper story, angle stud heads, sill and lever posts all 4x4, quarters and punchcons 4x3. Cover the roof with pine shingles four inches to the weather, one inch and half ploughed and tongued boarding securely nailed to rafters. Floor the ceilings throughout with one inch stuff 2 1-2 inches wide.

Ground Story.—Fix inch and a half mould skirting 12 inches high to all the rooms and passages on this story on proper framed grounds. Prepare and fix deal cased frames, pine sunk and weathered sills and inch cool English sashes, hewn 6 feet 6x3 6 in; upper 6 feet 0x3 feet 6 inches, double hung with brass pullies, white lines and Iron weights to all the windows on the ground and Upper stories, provide and fix to do brass sash fasteners with 1 1-2 inch rounded window boards and inch beaded jamb linings and complete winter sashes to one height corresponding with the above and fitted with sliding ventilators glazed, to be fitted to all the openings and fixed to permanent frames with iron pair of hooks and eyes; also to provide summer blinds made folding hung with hooks and rides and

furnished with hook and eye fastenings and back do.—
 The entrance doors to be two inch four panel mould
 and bead butt with panes over hung with 4 inch butt
 hinges and provided with 8 inch 3 bolt iron rim, brass
 nob locks, rose and thumb socket, 12 inch top and
 bottom barrel bolts, 1 inch headed jamb linings and com-
 plete. The room doors to be 2 inch 4 panel mould both
 sides hung with 6 1-2 inch butts in 1-2 inch double re-
 bedded jamb linings with inch framed grounds splayed to
 receive the plastering, and provide with good 7 inch iron
 rim brass nob locks and single faced architraves both
 sides. Fix staff heads to all the chimney breasts. The
 stairs to commence with a bold curtain and to be 1 1-2
 inch clear steps and risers with bold nosings on pine
 leathers hewed into a two inch framed string with a
 3-4 return bead stick on the lower edge and 1 2 inch
 beaded capping on the top; 2 1-2 inch square framed
 cherry wood handrail with serole and newels, 1-4 inch
 pine ballusters, two to each step introducing a sufficient
 number of iron balusters to effectively strengthen the
 railing. The skirting to be scribed to the steps
 and 3-4 lining with rounded nosing to well hole of
 stairs. Fix a two inch wrought and milled shelf or
 sloped brackets to kitchen fire place. Provide and fix
 a bed and pane closet fronts the height of the story
 where shown on the plan including four tier of sliding;
 the door to be hung in two heights with 3 inch butts and
 provided with 7 inch iron rim bolts. Provide neat
 wood chimney pieces to all the fire places.

Plastering.—The finishing and walling up of
 the work to be completed in accordance with the
 survey. All walling to be finished with a coat of
 plaster of the quality of the best, and to be finished
 with a coat of red lead and white wash.

Painting.—Red lead and white wash to be
 applied to all the work, and to be finished with
 the best of the kind. The work to be painted
 with. The plaster to be finished with a coat of
 oil paint, and to make the work appear every
 way as new.

Windows.—The windows to be finished in the wood
 with a coat of red lead and white wash, and to be
 finished with the best of the kind. The work to be
 painted with. The plaster to be finished with a coat of
 oil paint, and to make the work appear every
 way as new.

all the sashes and fans with box glass, well puttied, spriged and back puttied leaving the whole in a clear and perfect state at the rendering up of the buildings.

Also for a Hospital Priory at the same post.

To excavate for and form a soil pit 14X6 feet and ten feet deep clear dimensions—and build the sides in good sound rubble masonry to the surface of the ground of the same description of workmanship and material as described for the foundation walls of the Hospital. To fix a cedar frame round the sawpit, of scantling 3X6 well secured at the angles with dragon ties, introducing three beams across of the same scantling, dovetailed and pinned down to external sills. To build a Priory 17 feet long, 6 feet wide; sills 3X4, angle studs 4X4, intermediate studs 4X3, and two feet apart, braces 4X3, plate 4X3, joists 7X3, rafters 4X2—the roof to be covered with pine shingles four inches to the weather, one inch grooved and tongued boarding. The whole to be properly framed and braced and covered with inch wrought and related clapboarding, 7 inches wide and lined on the inside with inch boarding wrought one side, grooved and tongued. The floor to be 2 inch deal grooved and tongued and wrought one side; the partition dividers of the Priory to be 2 of two inch deal, wrought both sides and braced in addition. Put up the same with seat and riser and form the openings fitted with casing, as follows. The door to be 14 ft. 10 in. high and 6 ft. 6 in. wide, 1 in. 10 in. deep, lined with strong boards and ribs and finished with mouldings both sides, finish like a door. The window part of the Priory to be a square, 7 feet 6 in. by 7 feet 6 in. deal, let it to a frame of 4 in. 6 in. deal—To be fitted to the floor with an ledge of 1 in. 6 in. To be fitted to be inserted over the door for the same purpose. In each Priory to be fixed from the sill to the top with a plank to cover the cesspool in rear of the Priory and to be plank grooved and tongued, and provide a box a sliding led. To fit for recess to ditto, hung with strong boards and ribs and fitted with rings and sashes. The clapboarding, including shutters, inside of door and screen, to receive three good coats in all.

All the workmanship and materials to be of first quality, and in compliance with the foregoing specification, and the whole completed by the 30th October, subject to

the inspection, approval or rejection of the Commanding Royal Engineer, or such person of the Department as he may see fit to appoint. The contractor is also given to understand, that in the event of the works not proceeding so to insure their completion by the time specified, it shall be lawful for the Commanding Royal Engineer to furnish both men and materials, to finish the same, deducting any monies so applied from the contract sum. Tenders to express a price for each building.

(signed)

T. FOSTER,
Capt. Royal Engineers.

30th June, 1839.

