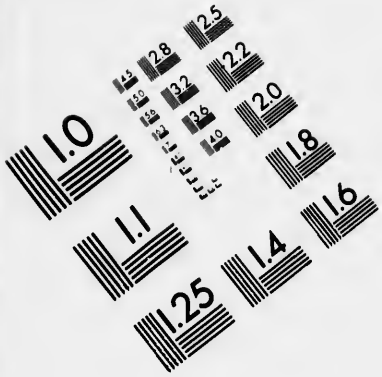

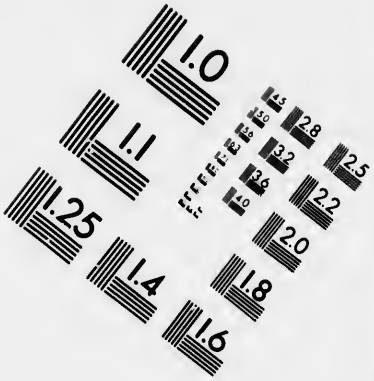

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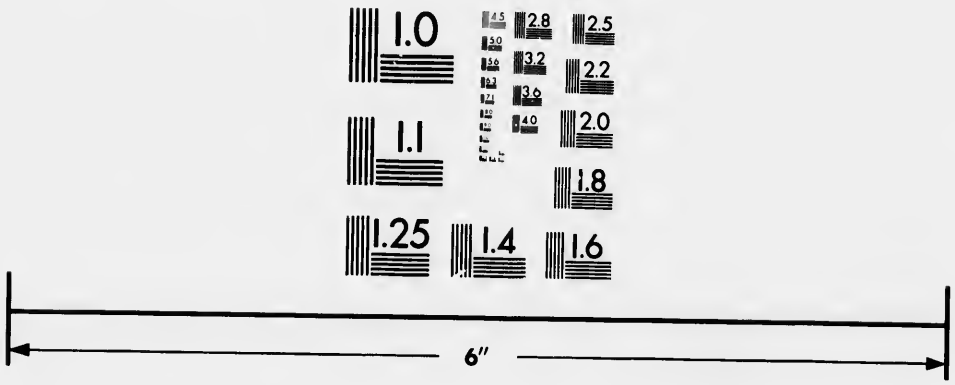

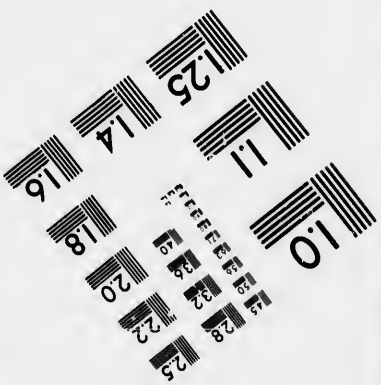

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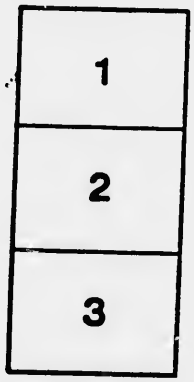

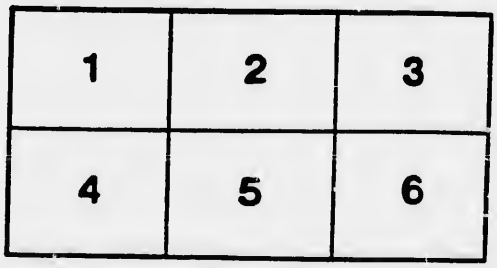

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CONTRACT, SPECIFICATION

AND

SCHEDULE OF PRICES

OF THE

NEW JAIL, QUEBEC.

QUEBEC

PRINTED BY JOS. N. DUQUET
21, Mountain Hill, Lower Town

1864

CONTRACT, &c.

OF THE

NEW JAIL, QUEBEC.

On the Thirty-first day of January, in the year of our Lord one thousand eight hundred and sixty-one,

Before us the Undersigned Notaries Public duly admitted and sworn in and for that part of the Province of Canada called Lower-Canada, residing in the City of Quebec, personally came and appeared Mr. Thomas Joseph Murphy and Mr. Thomas Martin Quigley, Master Masons and Builders, both residing in the City of Quebec, of the first part.

And Her Majesty Queen Victoria represented herein by the Honorable John Rose, Commissioner of Public Works of the Province of Canada, residing in the City of Quebec, of the second part.

Which parties, in the presence of us the said Notaries, have made the covenants and agreements following, that is to say:

The said Thomas Joseph Murphy and Thomas Martin Quigley, did and do hereby promise and engage and bind and oblige themselves jointly and severally. (Solidairement), between them, and oblige their heirs and assigns to and in favor of Her said Majesty, her heirs and successors, hereby accepting for and

in the name and in behalf of Her said Majesty, her heirs and successors, the said Honorable John Rose in his capacity aforesaid, for and in consideration of the covenants, conditions and agreements following, to make, execute and perform and to complete and finish in every respect, to the entire satisfaction of the Commissioner of Public Works, and in a good, strong, substantial and workmanlike manner,—all the masons, bricklayers, stone-cutters, plasterers, slaters, smith and founders, plumbers, gasfitters, tinsmith, bell-hangers, carpenters, joiners, glaziers and painters works, including all the excavations, embanking, drainage and other works generally whatsoever requisite and necessary for the building and erection of the greater portion of the central corps of a jail and the construction of one of the wings which are to be built and erected upon a property belonging to Her Majesty's Government of this Province, called "Bonner's Property," near the Plains of Abraham; which portion of the said central corps designated by the letters N. O. S. R. upon the Diagram which remains hereunto annexed, after having been signed by the parties and the Undersigned Notaries, reduced by the omission of the Upper-Story in the portion of the said central corps designated by the letters P. Q. S. R. upon the said Diagram, and the wing-which is to be built, is also designated by the letters A. B. C. D. E. upon the said Diagram in lieu of the wing mentioned in the letter containing the said Diagram, also the substitution of brickwork for cut stone to form the jambs of the cell doors; which works are mentioned and setforth in the specification thereof which remains annexed to the original of these presents, after having been signed by the parties hereto and the Undersigned Notaries.

And the said parties of the first part did and do hereby promise and bind and oblige themselves to execute, complete and finish the whole of the works required for the construction of the said portion of the central corps of the said jail and of the said wing agreeably to the said specification and according to the plans and designs thereof also signed by the said parties and the said notaries, and which shall remain deposited in the office of the Department of Public Works at Quebec where reference may be had thereto.

And the said parties of the first part did and do hereby promise and bind and oblige themselves to find and provide

all necessary transport, cartage, labour, as also, all scaffoldings, tools and implements and all the materials generally whatsoever required and necessary for the full and entire completion of the works hereby contracted for, which materials shall be of the best quality and approved of by the Commissioner of Public Works.

And moreover the said parties of the first part did and do hereby promise and bind and oblige themselves to complete, finish and deliver the whole of the said works, to the entire satisfaction of the Commissioner of Public Works, or his architect, or person in charge of the said works, on or before the first day of November of the year one thousand eight hundred and sixty-two.

And it is covenanted and agreed by and between the said parties, that from the commencement to the finishing of every part of the said works, the care of the same and whatsoever appertains thereto, is to be with the parties of the first part, who are to protect and preserve the said works; and that if any injury is done to the same by any accident whatsoever, by workmen employed, weather, or any other means, the parties of the first part shall repair the same at their own cost and expense, so that at the conclusion of the works, every part of the said buildings be complete and perfect; and the said Commissioner of Public Works is not to be in any way chargeable for any thing lost, stolen, damaged, or destroyed.

And it is further covenanted and agreed by and between the said parties, that the said works may at all times be thoroughly and uninterruptedly inspected by the proper officer appointed to that effect by the said Commissioner of Public Works; and that the drawings and specification are to be taken to explain each other; and should anything appear to have been omitted in either or both which may be necessary for the proper completion of any part or parts of the different works, the said parties of the first part are to execute the same at their own cost and expense, as if they had been more particularly described, and to supply whatever may be wanting to complete the whole in a workmanlike manner, according to the true intent and meaning of the said drawings and specification; and in all cases such drawings and directions for the direct performance

of the works as may from time to time be given by the said Commissioner of Public Works, or his Officer in charge, are to be strictly adhered to.

In case of any want of agreement between the plans and specification, as well in respect to forms and dimensions, as in respect to quality of works, or mode of performing the same, the Commissioner of Public Works, or his Architect's explanation is to be considered correct and as such to be followed by the parties of the first part.

Any doubt that may arise during the progress of the works, as to the mode of measuring or estimating them, as well for extra-work, as contract-work shall be determined by the Commissioner of Public Works, or under his authority by the Architect in charge.

The present contract is thus made for and in consideration of the price or sum of Sixty-four thousand Dollars for the whole of the works hereby contracted for, which said price or sum of money is computed in currency: and payment thereof will be made by Her Majesty Queen Victoria represented by the said Commissioner as aforesaid, to the said parties of the first part, or their heirs assigns, or legal representatives, according to the provisions of the Statute Ninth Victoria, Chapter Thirty Seven.

And the parties of the first part and Her said Majesty represented as aforesaid, do hereby declare, covenant and agree that the said contract and undertaking shall and is further made and entered into by them the said parties of the first part and Her said Majesty represented as aforesaid, under the express agreements, stipulations, covenants, and conditions following, that is to-say:

1. That payments on the price herein before mentioned shall be made to the said Joseph Thomas Murphy and Thomas Martin Quigley, from time to time by the said Commissioner on the monthly Estimates prepared and furnished on a *Pro-Ratâ* valuation based upon the contract sum according to the schedule of prices marked number one, which is remaining hereunto annexed, after having been signed by the parties and the undersigned Notaries, by the Architect, or Officer in charge, speci-

fying the amount of work done and of the materials delivered at the place herein above mentioned; but that nevertheless it shall be lawful to Her Majesty to withold from the parties of the first part and retain fifteen per cent, out of the amount of each of the Estimates until the perfect completion of the works and the acceptance of the same by the Commissioner, which fifteen per cent so witheld and retain, shall be paid with the last instalment, within ten days after the Architect, or Officer in sharge shall have delivered to the Commissioner his final Estimates of the works performed and the materials furnished, and his certificate of the entire works having been fully completed and finished, if the Commissioner shall so soon accepted and approved of the works and that in forming his final Estimate, the Architect, or the other Officer in charge shall not be bound or governed by the preceding monthly Estimates; which shall be taken and considered merely as approximate. Provided always and it is further agreed that with the approval and consent of the securities hereinafter named, Her said Majesty, from time to time, during the progress of the works, may pay to the parties of the first part, the whole or any portion of the fifteen per cent so witheld and retained.

2. That if by the Report of the architect or superintendent employed by the Commissioner in that behalf, it shall appear that the establishment and rate of progress at or connected with the said works, are not such as to ensure the completion of the same, within the time herein prescribed, or if the parties of the first part shall persist in course, violating the provisions of this contract. Her said Majesty shall have the power, at her discretion, by the Commissioner aforesaid, or his Successors in office, without notarial protest, process, or suit at law; but by giving three days previous notice thereof in writing, either to take the works, or any part thereof, out of the hands of the said parties of the first part, and to relet the same to any other Contractor or Contractors without its being previously advertised, or to employ additional workmen and provide materials, tools and other necessary things, at the expense of the said parties of the first part; and the parties of the first part in either case shall be liable for all damages and extra-costs and expenditure, which may be incurred by reason thereof: and shall in either of such cases likewise forfeit all moneys then due, under the conditions and stipulations, or any or either of them herein contained.

3. That in case of failure in fulfilling the present contract the parties of the first part shall thereby forfeit all right and claim to the said fifteen per cent, or any part thereof remaining unpaid, as well as to any moneys whatever due on this contract.

4. That all materials for the said works shall be inspected and approved of before being used, either by the Commissioner, or such person as he may appoint, and any materials disapproved of, shall not be used in the works, and if not removed by the parties of the first part when directed by the commissioner, or his architect, or person in charge, then the rejected materials shall be removed by the Commissioner, his architect, or person in charge, to such place as he may deem proper, at the cost and charge and at the risk of the said parties of the first part: but it is distinctly understood and agreed, that the inspection and approval of the materials, shall not in anywise subject her said Majesty to pay for the said materials, or any portion thereof, unless employed or used in the said works, nor prevent the rejection afterwards of any portion thereof, which may turn out to be unsound or unfit to be used in the works, nor shall such inspection be considered as any waiver of objection to the works on the account of the unsoundness or imperfection of the materials used.

5. That it shall be in the power of her said Majesty to make payments or advances on materials, implements, vessels, or tools of any description procured for the works, or used, or intended to be used about the same, in such cases and upon such terms and conditions, as to the said Commissioner may seem proper: and that whenever any advance or payment shall be made to the said parties of the first part upon any tools, implements or materials of any description, the tools, implements or materials upon which such advance or payment shall be made, shall thenceforward be vested in and held as collateral security by Her Majesty, Her Heirs and successors for the due fulfilment by the said parties of the first part of the present contract; it being however well understood that all such tools, implements or materials of any kind are to remain at the risk of the parties of the first part who shall be responsible for the same, until finally used and accepted as part of the work by the Commissioner; but the said parties of the first part shall not presume to exercise any act of ownership or control whatever over any tools, imple-

ments, or materials upon which any advance or payment shall have been so made, without the permission in writing of the Commissioner.

6. That should any overseer, mechanic or workman employed on or about the works give any just cause of complaint, the parties of the first part shall immediately upon the application of the Commissioner, his architect, or person in charge, dismiss such person or persons forthwith from the works, and he shall not be employed again therein, without the consent of the Commissioner; and should the said parties of the first part continue to employ such overseer, mechanic or workman, the parties of the first part shall forfeit to Her Majesty, Her Heirs and successors the sum of twenty dollars currency aforesaid for each and every day during which such overseer, mechanic or workman shall be employed on the works, after such application as aforesaid; and all sums so forfeited, shall be deducted from and out of the amount which the said parties of the first part may be entitled to receive from her said Majesty, at the commencement of the month next ensuing such forfeit, or at a later period, as Her Majesty shall deem proper.

7. That if any change or alteration, either in the position or details of any part of the said works, shall be required by the said Commissioner during the progress thereof, the parties of the first part is hereby bound to make such alterations, or change, and if such alterations or change shall entail extra expense on the said parties of the first part, either in labour or materials, the same shall be allowed to the said parties of the first part according to the schedule of prices number two hereinafter mentioned, or should it be a saving to the said parties of the first part, in labour or materials, the same shall be deducted from the amount of this contract; in which case, the amount is to be determined and estimated by the said Commissioner, his architect, or officer in charge, according to the schedule of prices number one herein above mentioned for omissions; but no such change or alteration, whatever may be the extent or quality thereof, or at whatever time they may be required, to be made pending the said contract, shall in any wise have the effect of suspending, superseding, annulling, or rescinding this contract, which shall continue to subsist, notwithstanding any such change or alteration; and every such change or alteration

shall be performed and made by the said parties of the first part, under and subject to the conditions, stipulation and covenants herein expressed, as if such change or alteration had been expressed and specified in the terms of this contract, and should the said parties of the first part be required by Her Majesty represented as aforesaid, to do any work or furnish any materials not covered or embraced in the sums aforesaid, or for which considered as extra-work there is not any price specified in this contract, the same shall be paid for according to the prices specified and setforth in the schedule of prices marked, two, which remains annexed to number original of these presents, after having been also signed by the said parties hereto and the Undersigned Notaries; and as to works not enumerated in the said schedule, they shall be paid for at the estimated prices of the Architect in charge of the works, according to current prices; but no change or alteration as aforesaid whatever, and no extra-work whatever shall be done, without the written authority of the Commissioner of Public Works, or the Architect in charge, given prior to the execution of such work, nor will any allowance or payment whatever be made for the same, in case it should be done without such authority.

8. That the parties of the first part shall not in any way dispose of, sublet or relet any portion of the work embraced in this contract, except the procuring of the materials, without the approval and consent of the Commissioner of Public Works applied for and obtained in writing.

9. Should any difference of opinion arise as to the construction to be put upon any part of the Specification aforesaid, or Plans, the same shall be determined by the Commissioner alone, or his officer in charge, and such determination shall be final and conclusive and binding upon the parties to this contract, and every one of them.

10. That any notice or other paper connected with these presents, which may be required or desired on behalf of Her Majesty to be served on the parties of the first part, may be addressed to them the said parties of the first part at their respective domicile or usual place of business, or at the place where the work hereby contracted for is to be carried on, and

left at the Post-Office, and any paper so addressed and left at the Post-Office, shall to all intents and purposes be considered legally served.

11. That should the parties of the first part not complete the works herein contracted for, at the period agreed upon, as above mentioned, the said parties of the first part shall be liable for and shall cause to be paid to the party of the second part, all salaries or wages which shall become due to the person or persons superintending the work, on behalf of the Commissioner from the above named period for completion, until the same shall actually be completed and received.

12. That none of the foregoing clauses or conditions shall be considered comminatory, (comminatory), but on the contrary shall be strictly observed and enforced; the said clauses and conditions being mentioned for the preservation of the interest of the public and expressing the exact intention of the parties thereto, and without the said clauses and conditions and each of them, the present contract would not have been entered upon.

13. That should the amount now voted for this service by the Legislature, be at any time expended previous to the completion of the work now contracted for, the said parties of the first part, may or not, as may to them seem fit, on receiving a notice in writing from the said party of the second part to the above effect, stop the work; but in any case, the parties of the first part shall not be entitled to any further payment for work done, until the necessary funds shall have been voted by the Legislature, nor shall the said parties of the first part have any claim for compensation or damages for the said suspension of payment.

14. The parties of the first part shall from the commencement and during the progres of laying the masony, brick-work etc. employ a competent and experienced Foreman-Mason to superintend and direct the workman engaged in the erection of the walls etc.; and likewise a skilled Foreman-Carpenter to ensure the proper execution of these branches of the contract and specification.

15. The parties of the first part shall be bound to conform themselves to such level as the Architect may decide upon for

the height of the ground floor of the buildings above the Bench-mark on Wolfe's Monument, according as the Architect may decide on with reference to the depth at which the solid rock is to be found in excavating for the foundation walls.

And at the same time personnally came and appeared and were present Mr. John Flanagan, Lumber-Merchant, and Mr. John Lane, junior, Lumber-Merchant, both residing in the City of Quebec, and Mr. Michael Quigley, farmer, residing in the township of Frampton.

Who, after having taken communication and having had the reading of the present contract, did and do hereby agree to become Secureties of the said Thomas Joseph Murphy and Thomas Martin Quigley, in favor of Her said Majesty, and they do hereby bind and oblige themselves jointly and severally, (solidairement,) between them, and jointly and severally,(solidairement,) with the said parties of the first part, towards Her said Majesty, Her Heirs and Successors, to the full and entire fulfilment of the present contract and of all the works therein mentioned agreeably to the said specification and according to the Plans thereof also signed by the said Securities and parties, at the time therein specified, on the part of the said parties of the first part; and whereof the said Securities make their own affair as sole and principal obligees.

And for the due execution hereof, the parties have made election of their domiciles to wit: the said parties of the first part and their said Securities, at their actual and respective residences; and the said Commissioner of Public Works at the office of the Department of Public Works, at which places &c., For thus, &c.

Thus done, passed and sealed at Quebec aforesaid, in the office of the Department of Public Works on the day, month and year first above written, under the number, eleven thousand four hundred and sixty-six.

And the said parties and securities, together with Toussaint Trudeau, esquire, the Secretary of the Department of Public Works to that effect, also present, have signed together with us

the said Notaries, in faith and testimony of the premises, after the reading of these presents.

Signed on the original remaining of record in the office of Joseph Petitclerc, one of the said Notaires.

L. S. THOS. J. MURPHY,
THOS. M. QUIGLEY.
JOHN LANE, Junior,
JOHN FLANAGAN,
MICHAEL QUIGLEY,
JOHN ROSE, Commissioner,
T. TRUDEAU Secretary.

J. B. C. HÉBERT, N. P.
JH. PETITCLERC, N. P.

SPECIFICATION

Of works to be performed, and materials furnished for the construction of a *Prison* to be erected in the City of Quebec, on the *Bonner's Property*, near the Plains of Abraham, according to certain plans prepared to that effect, under the authority of and in conformity with instructions from the Honorable the Commissioner of Public Works, by Mr. Baillargé, Architect.

THE PLANS ARE AS FOLLOWS:

"Topographical Sketch" of the *Bonner's Property* drawn to a scale of one hundred feet to an inch, english measure, indicating proposed site of Building, and the elevation of every part of the ground above an assumed spring tide level of the river St. Lawrence. The vertical sections on this plan are drawn to a scale of 30 ft. to an inch, to indicate in a more striking manner the inequalities of the surface, and allow of an easier computation of the respective quantities of excavation and embankment to be made, as well for the basement of the building as for the drainage thereof.

No. 1. "Excavation plan," shewing extent of excavations to be made for foundations, and drainage, etc; This plan indicates, by referring to the vertical sections thereon delineated, the relative levels of every part of the site to be occupied by the building, and the height of foundation walls can also be obtained therefrom.

No, 2. "Foundation Plan," shewing extent and breadth of footings, as well as the drainage, and ventilating conduits. These last are done in indian red are distinguished by their position and breadth; whilst the drainage tubing is merely indicated by painted lines in red and blue, of which, the first shows the drainage from water closets, sinks, etc; in the interior of the building, and the second, that intended to remove the water from the eaves gutters of the building.

No. 3. " Basement Plan."

No. 4. " First Floor Plan."

No. 5. " Second Floor Plan "

No. 6. " Third Floor Plan."

No. 7. " Roof Plan" shewing the naked and finished roofing, with slate, sheet iron, and zinc covering and flashings, etc., indicated by the different colours to be seen thereon. This plan also shows skylights, chimney stacks, scuttles, and the fourth floor of central building.

No. 8. " End Elevation," " Section through M. N. on plans" " Section through O. P. on Plans," " Side Elevation of central Wing," viz, facing central wing, " Section through Q. R. on Plans," " Side elevation of central building.

No. 9. " Longitudinal Sections through lines A. B. C. D. E. F. and G. H. K. L. on Plans."

No. 10. Elevation of " River Front" and " Road Front," all which plans are drawn to scale of 8 feet to an inch, english measure, and colored so as to indicate in a general way the materials to be employed in the execution of the several parts the buildings. For that purpose, the blueish tint on Plans and Sections, indicates but stone ashlaring, etc. Bistre indicates rubble masonry, and red brick-work,— yellow indicates wood scantling, stud-partitions, joists, etc. ; Colours indicative of works.

There are also Plans of details on a larger scale and many others which will be supplied during the progress of the works; all of which Plans are hereby considered as forming part of the plans to be followed in the execution of the work. Plans not enumerated.

GENERAL CLAUSES.

Subject to the approval of the Honorable the Commissioner of Public Works, and binding on all Tradesmen whose works are hereinafter specified.

The above enumerated plans and designs prepared

Plans, &c., irrespective of errors, indicate works to be performed.

by Mr. Baillargé, Architect, are with the present submitted to persons desirous of contracting, and are to be considered by them as representing (irrespective of errors or obvious omissions), the works to be done and the mode of performing them.

Written dimensions on plans to be always taken in preference to scale wherever they are to be found and details of work to be necessarily executed according to "Detail Plans," in preference to the indication thereof on "General Plans" and if any time any doubt should arise as to the mode of interpreting Plans and Specifications; such interpretation as may be given by the Architect in charge to be considered the correct one.

Proviso in case of want of agreement between Plans and Specification.

In case of any want of agreement between the Plans and Specification, as well in respect to forms and dimensions, as in respect to quality of works or mode of performing them, the Architect's explanation to be considered correct and as such to be followed by the contractors.

Interpretation of doubts as to mode of measuring and estimating Works.

Any doubt that might arise during the progress of the Works, as to the mode of measuring or estimating them, as well for extra-work, as contract-work, shall be determined by the Commissioner of Public Works, or under his authority by the Architect in charge.

Proviso in case of alterations.

The Commissionor of Public Works will be at liberty, without prejudice to the contract, to cause to be made, by the Architect in charge, such alterations as he may deem fit in the Plans and Specification of works to be done, provided always that any work in augmentation or diminution of Contract Works, shall be estimated according to the Schedule of prices which must accompany the tenders to be sent in. As to works not enumerated in the Schedule they will be allowed for in proportion of contract amount for omissions and according to prices current for extra-works.

Mode of estimating extra works and works not executed.

Proviso in case of omission of necessary and ordinary details.

If any details, ordinary and necessary in works of like nature, should be omitted in the Plans and Specification, it will be nevertheless necessary to execute them; the intention of the Specification evidently being to include in the contract any work which may be considered

absolutely necessary for the solidity of the building and the use to be made of it.

Division of Specification into separate trade sections.

Though this Specification be divided into separate sections for the advantage of different trades; nevertheless it is hereby understood that all such separate sections shall form a whole which shall be binding on all such trades, either jointly or separately, so as to insure perfection of work in all its details.

Proviso in case of sub-contract, &c.

No sub-contract to be entered into by the Contractor, nor will he be allowed to employ any sub-contractor, without the sanction and approbation of the *Commissioner*, and all workmen, agents, mechanics, or others employed on the works, will be subject to the authority of the Commissioner, or of the Architect in charge, and in his absence, of his agent.

Proviso in case of the employment of bad materials or incompetent workmen, &c.

The Architect reserves the right with the Commissioner's approval, to order the removal of any incompetent workman in whatever branch it may be; to cause to be demolished and rebuilt any work badly executed, and contrary to the intention of this specification; as well to replace by good materials any of a bad quality which might be found on the premises; the whole at the Contractor's expense.

Proviso in case of extra works or of work not executed.

No extra-work to be done without a written authority from the Commissioner, and all such work to be measured and estimated by the Architect, and wherever any omission of work to be performed, shall justify a reduction from the amount to be paid to the Contractor, such reduction to be made according to measurement and estimation by the Architect, as above stated with regard to extras.

All works to be under care of contractor.

All works to be under the care of the Contractor who will be held responsible for all loss or damage caused by the elements or otherwise, until the work be delivered and received by the Commissioner.

Materials to be of the best quality.

All works to be executed with the best materials of their several kinds and all workmanship to be of the best quality, subject to what is above written with regard to the use of improper materials etc.

Scaffolding, tools, apparatus and models.

The contractor to furnish at his own expense all scaffolding, tools and apparatus necessary for the due execution of the work, and will cause to be prepared, if so required, such models as the Architect may consider necessary to judge of the probable effect of any part of the structure, the whole without any additional charge.

Protection of works during winter.

And in case of bad weather, or to preserve the works from rain and the effects of winter, the contractor to take such precautions as the Architect may consider necessary, suitably to protect the works, and this also, without any additional charge; and the contractor moreover shall have to protect against all damage all the lower portions of the building as regards cut stone and the like to prevent any breakage thereof from any cause whatsoever.

Protection of cutstone against fractures, &c.

Enclosure fence recommended as an additional precaution against theft, &c.

More efficiently to prevent any loss by theft or otherwise in a locality so much exposed as the "Plains," it would be desirable that the contractor should erect at his own cost, a temporary fence around the site to be occupied by the building; such precaution however not being enforced, since, by preceeding clauses, the Contractor is held responsible for all damage, and loss, and must undergo the consequences of any omission on his part to provide means for preventing them.

Proviso in case of works to be done by other contractors.

In case of additional works being given to other contractors, the contractor for the present work to offer every facility, for the execution of such additional works.

Building to be insured at contractors expense.

The contractors shall at their own expense cause the building to be insured as soon as the roof shall be completed, in a manner to be able to recover any loss by Fire or otherwise.

Time of commencing and finishing works.

The works to be commenced immediately after the signing of the contract, and continued with such number of hands as may be required, to insure the termination of the building on or before the first day of november 1861; and in case of the works not being finished in a satisfactory manner by the specified time, the contractors to be subject to the penalties required by the contract, or to be decided on by the Commissionner, excepting in case of an extension of time at his option.

Sureties.

The contractor to furnish, to the satisfaction of the Commissioner, the number of good and solvent sureties mentioned in the form of Tender, of which he must fill in the blanks to conform to the requisition of the said Commissioner to render his tender acceptable.

Monthly payments.

The Contractors to be paid upon Architect's monthly certificates, subject to approval of the Commissioner, who will retain fifteen per cent of the value of all works performed during the preceding month ; the Contractor offering to the Architect or to his employes, every facility for the execution of measurements necessary for the preparation of such monthly certificates.

Contractor to repair all damage as well to prison as to adjoining property.

The Contractor to repair all damage from whatever cause occuring and to make any reconstruction or restoration which may be required in virtue of such damage. He will also be responsible for and will have to repair at his own expense any damage which may be caused to adjoining property and will deliver up the building in every respect perfect.

Temporary office for architect, &c.

The Contractor must at his own cost prepare and erect at any convenient spot on the ground, for the use of the Architect and of his assistants, a suitable office, and shall have the care of such office for which he must furnish all necessary heating, cleaning and water, together with all requisite chairs, tables and attendence, also a suitable and safe place for keeping such copies of plans and specifications as it may be necessary to have on the premises during the execution of the work.

Preceding conditions subject to the approval of the Commissioner.

It is understood that the preceding clauses and conditions are in every respect subject to the sanction and approbation of the Honorable the Commissioner of the Public Works and to the provisions of the contract to be hereafter executed under His authority.

EXCAVATOR.

Excavate to solid rock for all foundation walls.

Execute all necessary excavations for Basement Story, foundation walls, entrance steps, drains etc, to the depth required by the plans, or to such other depths as may be required to build all the walls from the solid rock, remov-

ing as may be required, all loose rock and reducing the bottom of every trench to a horizontal bed ready to receive the footing courses.

Removal of excavated material.

Remove all earth to such places within the property as may be pointed out by the Architect, and ram down and level the same either in embankment around the building, or for any other purpose.

Put aside all good stone from excavations.

All sound stone from excavations, if there be any of a quality sufficiently good, to be put aside by the excavator to be made use of as will be hereafter explained, in the requisite concrete, and to macadamize the avenues leading from St. Lewis Road to the Prison.

Filling in of trenches and around walls.

After the completion of foundation walls, the Contractor to fill in and solidly ram down the earth around them and all drain trenches to be filled in with precaution, avoiding all stony material in immediate contract of tubing, more effectually to guard against the effects of frost etc.

Time of filling in trenches.

The excavator will take care not to fill in over any drains or along any wall previous to receiving from the Architect an order so to do, that said drains may be examined by him.

Temporary drainage of premises.

The Contractor to be obliged temporarily to drain the premises and to maintain such drainage in working order until the completion of the building, or until such time as the permanent system of drainage be established.

Reserve of stone spalls and brick refuse for avenues, &c.

The Contractor in embanking the ground to conform to such levels as may be laid out by the Architect and all stone chippings or brick refuse to be reserved and spread over surface of ground in the vicinity of building or in avenues thereto at such places and in such manner as may be required by the Architect.

Removal of all scaffolding, &c.

All scaffolding and other apparatus to be removed from the premises, and other materials to be removed or spread out and levelled on the ground to the satisfaction of the Architect and in a manner to leave the whole site in perfect order.

The excavations for drain trenches to be continued a further length of 70 feet on each side of the central wing; and at the meeting thereof, a third trench for fifteen inch drain to continued an additionnal distance of fifty feet, delivering into a temporary cesspool of the approximate dimension sof 1000 cubic feet. Should the Commissionner order the continuation of the main trench to any additional distance or even to the St. Lawrence, such work to be considered as extra and paid for accordingly. Additional trenching for drains not indicated on sheet No. 2.

All drain trenches to be sunk to a depth of at least 5½ feet, unless at places where embanking may make up the additional depth required, and in any case such trenches to be carried to the depth required by profile plans and Architect's instructions. Depth of drain trenches.

The whole surface of the ground around the building to be levelled off to the slope required for the removal of surface water towards the gully gratings to be provided for that purpose. Levelling for drainage of surface water.

MASON.

For the construction of all walls, scaffolding to be put up on both sides thereof in the most solid and proper manner, affording every facility to the Architect and others for visiting the works. Scaffolding.

To furnish all material and workmanship necessary for tracing out on the ground the works to be performed, the whole as may be required by the Architect. Laying out works.

Co-operate with every other trade section wherever the several works may combine or intermingle in any way, and in general wherever required. Co-operation with every other trade sections.

For rubble masonry to be composed of 2½ sand to one of lime, the whole well incorporated and mixed in a pugmill. Mortar.

To be of best quality recently baked and to be kept under cover. The Architect nevertheless reserves the right to alter the proportions of the mixture according to the respective qualities of sand and lime to be employed. Lime.

Sand. To be river sand of a proper size without any mixture of earthy or other substances.

Mode of building the masonry. The masonry to be performed in the manner considered by the Architect the most advantageous for the progress and solidity of the work and no wall shall at any time be more than 5 feet higher than any adjoining wall, to prevent inequality of settlement.

Quality of masonry. All rubble masonry to be of Château-Richer stone laid as much as possible in regular courses and to be solidly bonded and backed up to the cut stone and brick-work.

Rubble stone masonry may be replaced by brick-work. It will nevertheless be optional with the Contractor to replace the stone masonry by brickwork, except in foundations which must necessarily be of heavy coursed Château-Richer stone.

Rubble stone backing. The parapet walls above level of third story in wings and fourth floor in central building may at the Contractor's option be backed inside with rubble stone masonry.

Footings. All footings to be built of heavy flags-from the Pointe-aux-Trembles beach quarries, and from Château-Richer, of such height and breadths as indicated on the plans and sections, or as may be required by the Architect, in certain cases, according to the position of walls and other considerations. All such footing courses to be laid in perfectly horizontal beds, the rock surface having for that purpose, to be beforehand reduced by the mason to a level plane. If the Architect should think proper in certain cases, not to require the rock to be cut to a level surface, then all irregularities and inequalities to be filled in and made up to a level surface by means of concrete composed of 1 part hydraulic lime or Gauvreau's cement to eight parts of gravel and broken stone, or stone spalls reduced to a diameter not exceeding 1½ inches without any admixture of earthy matter, or other refuse.

Laying of footing courses.

Preparation of foundations for footings.

Grouting, &c. All stone masonry, as well in foundations as elsewhere, to be well flushed up with mortar and grouted to the entire filling in of all interstices, and all faced joints to be drawn in best mortar.

Joints drawn.

In building the foundations, the mason must leave in the walls all holes necessary for the subsequent introduction of drains, water and gas pipes etc., and when laid, to fill in and build solidly around them, avoiding as much as possible, any such holes elsewhere than under-openings and not under piers. Holes for drainage tubing, &c.

If such drains are laid while building the walls, it will be necessary to fill around them in the same solid way and in a manner to prevent their fracture by any superincumbent stone. Building in around tubing.

Holes to be left in inside wall facing, for the subsequent insertion of ventilation pipes, viz; the branches answering as communications between the vertical conduits in the walls and the horizontal ones on Foundation Plan, sheet No. 2, and when such junction pipes shall have been laid, the mason to take care to build in around them in a way to make them perfectly air tight. Building in around ventilation pipes.

In stone masonry, care must be taken to level up the work every twelve inches in height, and the bond to be of the strongest description, by headers placed at not over 6 feet from one another in each course, tailing 8 inches into brick-work. The outside facing of rubble stone masonry in foundations, to be carried up only to within 6 inches of the surface; the first course of cut stone ashlering having therefore to be placed 6 inches under ground to meet it. Levelling of courses and bond of walls.

Above ground all exterior facings in cut-stone and interior ditto in brick-work, to be bonded one to the other, not only by headers, but also by galvanized hoop iron, inch broad, 1-16" thick and at least 18" to 24" long, turned up an inch at ends and laid 5 feet apart in every course.

BRICKLAYER.

All brickwork (done red on Plans and Sections,) to be built of best Canadian brick well baked and all brick to be employed to be of one dimension only. For all inside facings to outside walls, as well for inside and outside facings of cell and corridor walls, care must be taken to put aside and separately pile all well baked brick, and All brick to be of equal dimension. Brick to be chosen and furnished separately on

scaffolding for all facings.

none other but that well shaped and of the best quality, such chosen brick to be furnished to the masons by separate hands as would be done for fire brick etc.

Lay brick header and stretcher, in each course.

Walls grouted.

All brick to be laid, header and stretcher, in each course, in fine mortar for all beds and vertical joints of face bricks etc., and the whole thickness of walls to be constructed in a compact manner with whole brick, grouted every four courses, perfectly to fill in all interstices.

Level brickwork every 4 courses.

Draw all joints.

Every course of brick-work to be laid true to the line and level, Take care to level every four courses of brick-work and the same course of brick to run around all cells, corridors, etc., without interruption in a thorough workmanlike manner, to present all the regularity of a good exterior face, and all joints of every face to be neatly drawn in best mortar.

Brick arches over all openings.

Eight inch brick arches, in two half brick rims to be turned over all openings in exterior or interior walls and throughout the whole thickness of such walls, with the exception of stone ashlering. Similar arches to be also turned over all chimney breasts. All such arches to be laid dry on tight centres and grouted.

Eight inch brick vaulting grouted.

All vaulting to be built in two half brick rims laid dry on tight centres and thoroughly grouted after laying each rim.

Form all skew-backs for vaulting in the most solid and regular manner with the hardest brick.

Use picked brick for all vaulting, &c.

Draw all joints in vaulting, &c.

Arches for square headed openings

All bricks for vaults and arches of every kind, to be chosen hard, well baked and of perfectly equal dimensions, laid in line. After removal of centres, all joints to be drawn in fine mortar and the under surface of vaults well cleaned down. Brick arches to be turned over all square headed openings on proper turning pieces.

Soaked bricks

All bricks, if so required by Architect to be soaked ere used, and the Contractor to remove and neatly replace any brick which may weather from any cause whatever, up to the entire termination and occupation of the building.

Thickness of brick walls.

The thickness of walls is sufficiently indicated on ground Plans and Sections, and to be in general 2 ft. for all corridors and outer cell walls, 18" for division walls between large cell, and for corridor walls in central building 12" for division walls between small cells and for all inside facings to outer walls.

Plumb all jambs, &c.

The Contractor will take care to build all window jambs in a perfectly regular manner with the help of moulds prepared for the purpose, in sufficient quantity for the workmen, and all rebates plumbed up along cut stone.

Brick arches under entrance steps.

Build all necessary arches for the support of stone steps to entrances and wherever else required.

Ventilating flues.

In every pier of outer walls, flues to be built to conduct the vitiated air from the upper-part of each story to the horizontal conduits under basement floor. Said flues to be 4" by 8" with joints drawn, or built round wooden cores to be removed and replaced or rather drawn out as required, and in such a way that the said flues may not become foul by the falling of any mortar into them ; and the Contractor must examine the whole of them and be sure that they are unobstructed throughout.

Leave all flues unobstructed.

Collars for openings of ventilating flues.

Build into walls wherever Architect may direct tile collars for flue openings and walls ; the Contractor to cause said collars to be made 6" in diameter, more or less, according to Architect's directions, and with necessary holes for attaching thereto the registers herein after specified in the works to be done by the Tinsmith.

Collars at foot of ventilating flues.

At the foot of each vertical ventilating flue, lay a 4" junction tile collar made to order and of suitable size.

Horizontal ventilating conduits.

All horizontal ventilating conduits indicated on sheet No 2 to be built of Bell's tubing of the dimensions indicated in writing on the plans and to be laid with rings to all joints, as for City drainage tubing, air tight, in hydraulic cement.

Collar junctions.

All necessary branches to be laid to receive collars at foot of vertical flues, the whole hermetically sealed. It will be seen that all the horizontal ventilating tubes discharge

under the grated flooring of the ventilating room in rear of the ventilating chimney.

Other species of ventilating conduits.

The horizontal conduits before described may, at the Contractor's option, be made, as appears on plan, in brick or stone masonry hermetically covered with stone flags, all in hydraulic cement ; but the above mentioned mode is considered preferable in regard to economy and of the greater facility of rendering the conduits air tight.

Conical junctions for pipes of different diameters.

Wherever the ventilating conduits change diameter, the junctions to be formed by conical tiles bearing both diameters and adapted to each size of pipe.

Inclination of pipes.

All these conduits to be laid with a slight fall or inclination towards the ventilating chimney to facilitate the escape of any water that might penetrate them.

Chimney flues of Bell's tubing, 9"

All chimney flues to be constructed of 9" Bell's tubing with cemented joints surrounded by grouted brickwork. Said tubing not to be necessarily of best quality, but merely straight and without considerable cracks or fractures.

Stove-pipe holes and collars for do.

For stove pipe holes in chimneys, the contractor to cause to be made in the tubing the required holes and collars at proper places in each story ; the collar to form a perfectly tight joint with the flue, and to be hermetically sealed with cement.

Lay wall plates, &c.
Fill in put log holes, &c.
Grooves wherever required.

Float in mortar all wall plates, sills etc., lay all wood bricks ; fill in properly between all floor beams and above wall plates up to roof boarding ; fill in all put-log holes ; make all necessary grooves for chimney stoppers, water and gas pipes, drain pipes, roof flashing ; in a word, all that may be considered necessary by the Architect for the entire completion of the building in all its parts.

Reserve good brick refuse.

Reserve all good brick refuse to be employed on the ground as Architect may direct.

Building in all doors, &c.

The Contractor, solidly to build in all iron doors for cells and corridors ; the necessary checks or grooves to be made where required for frames etc., as may be desired by

the Architect. All doors to be fitted with hooks which must be fixed in the most solid manner in the masonry.

Ventilation of water closets.

The ventilation of water closets will be attained by means of the Chimney flues to be constructed for that purpose, and the Contractor to make for such chimneys all required holes, provided with proper collars for the insertion of tin or zinc pipes hereafter specified in the works to be done by the tinsmith.

Proviso in case of the necessity of basement drainage.

Should it appear necessary to the Architect to drain interior of the Building, the horizontal ventilation conduits will be used for that purpose by means of small holes which the contractor must cause to be made therein at short distances apart, near their under surface or the required object may perhaps be attained by laying the pipes dry for the infiltration of water, care being taken in that case, that the concrete covering over the tubing be so laid as to cut off all communication between the conduits and basement appartments.

Basement drainage.

A 4" drain pipe to be laid from under the ventilating chamber for the removal of any water that might occur from the above mentioned causes.

Drainage not indicated on plans.

The drainage of water closets, sinks, baths, etc; within the building and that of eaves gutters to be brought about by the system of under ground conduits indicated on sheet N° 2, in pointed red and blue lines, the respective diameters of every pipe being shewn on Plans. The two 12" pipes cut short by the dimensions of sheet N° 2, to be continued each a distance of 70 feet further than indicated on plan and their junction to be united to a 15" main, which last must be prolonged a further distance of 50 feet, to deliver into a temporary cesspool specified in works to be done by the excavator.

Bell's tubing.

All drain pipes to be of first quality Bell's tubing laid with junction rings in hydraulic cement.

Conic tiles.

Wherever pipes change diameter, the junctions to be formed by conic tiles bearing both diameters and wherever a branch pipe meets a main, the junction to be performed by means of proper sockets etc; at an angle as obtuse as

Elbows and bends. possible ; and wherever a drain changes its direction, proper bends and elbows to be laid to facilitate the removal of soil etc ;

Drains for water from eaves gutters. In every case the drainage tube to be carried to the inner line of all walls and the junction between the drain and inside waste pipes to be performed by the plumber as hereinafter specified. To receive water from eaves gutters, 4 " tubing, to be laid to that effect, must rise vertically to the surface of the ground to meet the down pipes and the junction between them to be performed as hereinafter specified in plumber's work.

Stones to maintain drain pipes. Solidly to maintain imposition the outer extremity of the above mentioned 4" tubes, the Contractor to prepare and lay to each pipe a stone of about 2 feet square or diameter and 6" thick with hole in it to admit the pipe ; said stone to be neatly cut and laid, into upper surface flush with ground.

Depth of drains. All drain pipes to be laid to a depth of at least five and a half feet in the ground and to inclination of at least 2 " ½ to every ten feet on a good bed of clay of earth pre-

Stench straps. pared for that purpose. Stench straps to be laid by the Contractor to every junction of drain pipe with those coming from the interior, and in general wherever the Architect may consider them necessary.

Lay all fire grates, soot doors, &c. The bricklayer properly to set and build in all fire grates, soot doors, ovven doors etc., which may be furnished as hereinafter specified in Smith and Founder's works.

Part of ventilating chimney to be of brick. All the lower part of ventilating chimney and the interior of said cheminy to the several heights and thicknesses indicated on Plans to be lined and built with fire brick and the whole of culinary and laundery apparatus

Lay all kitchen and laundry apparatus. hereinafter specified to be solidly laid and built in fire brick according to detail plans and instructions to be given by Architect.

Tubing for pure air. Lay in exterior walls at about 50 places more or less, 3" to 5" zinc tubing for the admission of pure air ; said tubing to be furnished by tinsmith.

Lay at 10 different points, to be marked out on ground by Architect, 4" vertical drain tubing for the removal of surface water, with junctions well laid in cement and stench traps complete. Conduits for surface water.

For introduction of fuel to cellars, build two gullies lined with heavy Bell's tubing of such diameter as may be required completed in the most satisfactory manner. Fuel gullies.

STONE CUTTER.

All cut stone for exterior facings of the building to be from the quarries of Deschambault, Pointe-aux-Trembles, Montreal, or Cap Rouge, in courses from 12" to 18" in height and 7" and 15" bed respectively, perfectly sound and without any defects whatever. Cut stone: from what quarries drawn.

The basement will be made in 3 courses only, forming altogether 7½ feet, of which 6" of the first course are under surface of ground, leaving 7 feet above ground, as shewn on plans and sections. Height of basement courses.

The two wings destined for the lodgment of prisoners to be entirely built in courses 18" high. Height of courses in the wings and central building.

The centre wing containing the Chapel and infirmaries to be in 15" courses and central building in 12" courses.

In the side wings the cut stone to have tooled margin only ¾" broad, all around each stone to from 1½ inch laid, with the exception of the tooled margin, the stones to be laid rough with quarry face, and should that face be not rough enough for the uniformity of the work, it must be rendered so with hammer or otherwise. Rough faced stone in the wings.

For central building the cut stone shall be hammer pointed, with tooled margin ½ inch broad around each stone. Pointed stone for centre wing.

For the central building where courses are to be 12" high, with the exception of the angular parts between the side and central wings, all the stone to be rough bush hammered. Rough bush hammered stone for central building.

Fine bush hammered stone for watch tower.

The Portions of Watch Tower above roofs, to be built in fine bush hammered stone in 18" courses.

Dressing architraves, sills, cornices, &c.

In general, a tooled margin of 1½" to be made all around openings of Building and all facings of Architraves, sills, label heads, string courses and cornices of all sorts, to be fine bush hammered and to be sunk to a perfectly level surface and out of winding.

Bed of 18" stone.

The 18" stone to have 9" and 15" bed as much as possible and will be laid alternately so as to form a good bond with the interior masonry of at least 6", and this, independently of headers which will be laid in each course, alternately one and two per pier; the Architrave hooks to that effect, to be considered as headers, and all such headers to be at least 28" bed to form bond of 4" with interior brickwork.

Headers.

Bed of 15" and 12" stone.

For 15" stone beds to be at least 8" and 13" alternately, and for the 12," the beds to be not less than 7" and 12" alternately.

Manner of cutting beds and builds.

In general, the heads of hooks and headers to be the same breadth as the height of the course. All beds and joints to be cut square, the whole thickness of each stone, and great care must be taken to avoid cutting the beds to an acute angle, to insure close joints at the expense of solidity of work.

Nevertheless the joints not to be over ⅛" in thickness and the beds and builds to be cut to insure such result.

Holes for insertion of gratings hooks, &c.

Stone cutter to make all necessary holes in sills, label heads and window jambs, as well in interior as exterior of building, which may be required for securely sealing gratings, hooks etc., also all grooves necessary for insertion of iron chain bond, ties etc.

Grooves for insertion of chain bond and ties, &c.

All requisite grooves to be cut around chimney stacks and at junctions of fourth floor with roof of wings for the insertion of lead galvanized iron, or zinc, step and cloak flashings necessary to make the roof water-tight at all such points.

In one word the stone cutter must cause to be made in stone work all holes, grooves or other cuttings or openings of every kind, which the Architect may require for the insertion of cramps or any thing else which may be useful to the solidity and appearance of the work and must co-operate with the smith in laying said chain bond, tie cramps, gratings, hooks etc. Make all holes required for cramps, ties, &c.

All stones to be laid on their quarry bed built and backed up in the most solid manner in mortar of the best quality. Mode of laying cut stone.

All cornices, mouldings, string courses, bands, sills, frames, archstones etc., to be cut of such forms and dimensions as will be indicated on the detail Plans to be furnished by the Architect during progress of building. Dimensions and forms of cornices, sills, &c.

The hooks for window jambs to be cut to the exact splay of openings and the parts between hooks to be cut inside, so as to admit one half brick between them and the wooden window frames. Mode cutting stone hooks, &c.

All steps for entrance doors to be of a single length each 8" high and 15" bed, laid to weather 12" or to lap 3".

All stones for landings to be of a single block at least 6" thick and broad enough to extend at least three all around under steps, breast walls, parapet walls etc, ; Landings for entrance doors.

Breast walls of entrance stoops to be of cut stone in 16" courses to conform to the combined height of 2 steps; and the parapets to be in pieces of a single height and breadth and of the lengths indicated on Plans or to be determined by the Architect. Breast walls for entrance stoops parapets.

All stones for steps, landings, breast and parapet walls to entrance stoops to be fine bush hammered and laid with narrow joints in water cement. Stone dressing to stoops.

The thickness of parapet walls to be 18" the interior facings of course hammer dressed rubble, and arches to be turned to support the steps with stone skew-backs and bottom, the whole according to detail Plans and Architects instructions. Brick arches under steps and landings.

Chimney Stacks. All chimney stacks above roofing to be built in monolith courses. The courses not to be less than 12" to 18" in thickness and to be all bored through to a diameter of 9" for smoke flues.

Cemented and dowelled joints. All joints between courses to be of the narrowest description in water cement and maintained in position by iron dowels hereafter specified in smith's work.

Chamferred angles fine bush hammered. Wherever the angles of buildings are chamfered on Plans and Elevations said chamfers to be fine bush hammered.

Dimensions of stones. All stones or sills and label heads to be of a single block each, cornices in pieces not less than 5 feet long and in general all stone to be of such dimensions as may be required by detail Drawings or Architects instructions.

Sills for cell doors. For all cell doors, cut stone sills long enough to tail 3" into brickwork at each end and at lest 4" thick cut square on face towards corridors.

Cell door jambs. All cell door jambs to be of cut stone in 12" courses or more to the full height of doors, the whole according to detailed Plans; the stone to be rough bush hammered and provided with all holes etc.; for hooks, locks, and other apparatus to secure them when required, which will be furnished by smith as hereinafter specified and by him put in place with co-operation of stone cutter.

Holes for locks, &c., other fastenings.

Hearthstones. To all open fire places lay stone hearths 4" thick and 2 x 3½ feet in single stones each fine bush hammered.

Stove pipe rings Stove pipe rings in walls and partitions to be put in wherever Architect may direct.

Sills for cut fire doors. To all interior doors where floors are not in cement, and where it is intended to have cut-fire shutters, lay proper stone sills in a single block each.

Holes for admission of pure air. The Contractor to have holes cut 3" to 5" diameter in ashlering and the same carried through the whole thickness of outer walls for admission of pure air, say 50 holes more or less as may be required.

To two fuel gullies lay kerb stones 3 feet square or diameter, 12" thick pierced as required; also ten kerb stones 2 feet diameter and 8" thick, pierced for drainage of surface water, together with 22 stones required to secure drain pipes from eaves gutters. Fuel gullies.

PLASTERER.

Render, lay, float and set in best lime mortar, all chapel and infirmary walls and those in dining room, as well the walls of all that part of central building which projects beyond wings, including all windows. Plastering on walls.

Lath, plaster, float and set water closet wing ceilings, also those of central wings and central building. Plastering on ceilings.

Lath, plaster, float and set all stud partitions in central building and central wing. Plastering on partitions.

No plastering in basement floor of main building with the exception of that to women's stair case.

In basement throughout and in three stories and garrets of side wings, floors to be made of Gauvreau's cement, mixed $\frac{1}{3}$ cement to $\frac{2}{3}$ sand, and laid $1\frac{1}{2}$" thick perfectly leveled and smoothed off, on a foundation of concrete composed of one of cement, 2 of sand and 5 of gravel, and broken stone, capable of passing through an inch and a half ring. Cement floors on concrete.

The haunches and spandrels of all vaults to be leveled up with concrete, ready to lay cement floors above specified. Haunches and spandrels in concrete.

Throughout the whole extent of basement the concrete must be laid to a thickness of $10\frac{1}{2}$" on a thickness of broken stone capable of passing through a $2\frac{1}{2}$" ring, brought to level surface with gravel, and secured with a good coat of grouting. Concrete for basement floor.

Said stone under concrete above specified may be of the black rock from foundations if good; but the stone for concrete must be Cap-Rouge, or other stone specified to be used for ashlering. Stone required for concrete, &c.

Material around ventilating conduits. Preparation of surface for broken stone.

The plasterer will take care, in laying the concrete and broken stone; to bolster the horizontal ventilating conduits with some soft or finer material to guard against fracture of pipes. Previous to laying the broken stone under concrete, the whole surface of foundations to be well leveled off, and the surface well rammed down, so as to prevent the slightest settlement.

Garret flooring.

For garrets of side wings and basement of central building, a more economical floor may be made by means of a coating composed of lime, sand, forge ashes, and cement; mixed in such proportions as Architect may require. Wherever inside windows or sills are not specified, as of wood, they are to be finished hard in cement.

In side sills in cement

All deafening floors, wherever joisting is used, to be coated with three inches of mortar composed $\frac{1}{5}$th lime and $\frac{4}{5}$ths sand and gravel, to be rought up to 4" at sides of joists, thereby presenting a concave surface on top.

No plaster cornices.

For economy, there will be no plaster cornices throughout the building.

Lime whiting to walls and vaults.

Wherever walls are not mentioned to be plastered and on all vaulting, 2 good coats of lime whiting to be given.

Seal around door and window frames.

When door and window frames are put in, they are to be well painted all around after being well sunk and floated in good mortar, and hermetically sealed against the introduction of air.

Lay pipes for outer air.

In laying concrete over corridor vaultings, put in all metal tubing for introduction of pure air to stoves, as hereinafter specified in tinsmiths work.

Repair plastering.

Finish plastering behind all skirtings, around all chimney mantles, ventilators etc.; and repair it wherever it may have been broken, up to the entire completion of the building.

Mortar under slating.

A good coat of the hair mortar to be laid throughout on sloped roofs under slating, and in such a way that each slate may float therein, that the roof may be made perfectly air and water tight.

SLATER.

All the roofing, not otherwise specified in tinsmith's work, that is, all sloped parts of roofs, colored dark on roof plan, to be covered with best Canadian slate from the Melbourne quarries, or other slate of approved quality. Melbourne slate.

All slates to be laid in a substantial manner floated in mortar with 4 inch lap and nailed with two copper nails, 5lbs to the thousand. Laying slates.

All slates to be sound, of equal thickness and perfectly square, laid in regular courses neatly cut to hips, valleys etc.; and laid double thickness to eaves and ridges. Quality.

Slater to preserve his work against all damage and repair broken slate, from whatever cause occuring, until occupation of building. Repairs.

For false openings in top of ventilating tower, provide and lay in proper grooves to be prepared by the stone cutter 1½" slate slabs as shown on elevations. Slate slabs for ventilating tower.

SMITH AND FOUNDER.

The works to be done in cast iron are the tie-heads shown on elevations 15" diameter and 1½" mean thickness, moulded from a carved pattern to Architect's design, bored complete. Soot doors for all chimneys in side wings and elsewhere indicated, made according to a detail plan ½ inch mean thickness; boiler, oven doors, and doors for furnaces, pillars for central wing ½" mean thickness, to detail plans. Tie-heads. Soot doors. Oven furnace doors etc.

All cast iron work to be properly chipped filed and finished, and to be done in 2 coats of boiling oil ere it leave the foundry to be carried to the premises. 2 coats of boiling oil.

All wrought iron work to be made of the best imported iron, and all welds to be made in the most approved manner. Quality of wrought iron.

Ties 2" x ⅜" to be placed all around roof eaves, one to every third rafter, to tie wall plates to parapet walls ;. Roof ties.

said ties to be turned in under walls at level of garret flooring.

Ties to prevent strain of vaulting.

In each prison wing, lay through ties 2" x $\frac{5}{8}$" one to each pier between windows, to counteract effect of corridor vaults the same to be repeated in vaulting of each floor, with the exception of Basement; said ties, at their extremities, to be welded into $1\frac{1}{2}$" round iron, with nut and screw complete. All ties not terminated at ends with cast iron heads, to be forged and turned up at ends with cross-bars three feet long, the whole solidly built into the masonry and cut stone ashlering.

Half ties.

Half ties to be laid to every pier at extremities of wings.

Ties for central wing, etc.

In general there must be provided and laid a $1\frac{1}{2}$" by $\frac{3}{8}$" tie with spikes to every pier and in every tier of joists, except in Basement, throughout the whole building; said ties to be forged into such forms as Architect may desire, for the purpose of binding together the walls and joists.

Chain Bond to watch tower.

The watch tower, in two places, and the top of ventilating chimney, where shewn on section, to have a tier of 2" x 1" chain bond, sealed into masonry, and grooves to be made by stone cutter in cornices etc.; as herein before specified.

Provide and furnish, as may be required by masons, the galvanized hoop iron mentioned in mason's work, and in such quantity as may be required.

Cramps and dowels, &c.

Provide and furnish for mason's use all cramps, hooks, dowels, etc.; which may be required for cornice, upper course, parapet walls, top of ventilating chimney, and chimneys in general which may be considered necessary by Architect; the whole not exceeding 25 cwts, said cramps, etc., to be boiled in linseed oil and run and sealed with cement or lead, according to exposure; the whole in the most suitable manner, the lead having to be furnished by the smith who must co-operate with the stone cutter in laying said cramps and dowels, etc.

Modes of sealing cramps &c.

Cell galleries.

Cell galleries to be made where shewn on plans and

sections of $1\frac{1}{2}$" x $\frac{1}{4}$" scantling for bearers and upright bars and $\frac{1}{2}$" x $\frac{3}{8}$" for guard bar.

Stairs to cell galleries and in rear angular parts of central building, including those to upper floors of watch tower, to be of $1\frac{1}{2}$" x $\frac{1}{2}$" carriages; rails of said stairs to be also $1\frac{1}{2}$" x $\frac{1}{2}$", and uprights $\frac{3}{4}$" square. Stairs to cell galleries.

Joisting for Chapel gallery floors, to be of $3\frac{1}{2}$" x $\frac{1}{2}$" scantling, 3 feet apart, bearing at outer end on a 6" x 1" girder; guard rail $1\frac{1}{2}$" x $\frac{1}{2}$" and uprights $\frac{3}{4}$" square, 3 feet apart. Chapel gallery.

Floor bearers for upper stories of Tower, one to each angle and one intermediate, with turned up ends, $1\frac{1}{2}$" x $\frac{1}{2}$"; bars for landings to chapel galleries to be $\frac{1}{2}$" x 2", tailing at least 6" into walls at each end. Tower floor bearers. Floor bearers to chapel gallery landings

Flights of stairs from central building to chapels and chapel galleries, to be made as other stairs, and to all stairs, opposite windows, etc., provide and solidly fix to masonry $1\frac{1}{2}$" x $\frac{1}{2}$" rails on $\frac{3}{4}$" square, uprights, 3 feet apart. Stairs to chapels &c.

Flooring to ventilating room in Basement to be laid open of $1\frac{1}{2}$" x $\frac{3}{8}$" scantling, 3" between centres, on bearing bars of proper strength where indicated on plans. Grated floor for ventilating room.

Smith to provide all necessary 3" x $\frac{3}{8}$" cambered bearers to arches over chimney breasts, and in general to perform all work according to Architect's directions as regards length of scaled ends and mode of scaling in walls or elsewhere. Cambered chimney bars. Ends scaled into walls.

All iron above specified for joists, galleries, stairs, etc; to be done in boiling oil previous to delivering on premises. Boiling oil to iron work.

Cell doors and gratings over them to be made according to detail Plans with dimensions figured thereon. Cell doors with gratings over.

All doors provided with hooks and hinges, locks, and other fastenings, of the most approved description, and subject in every respect to Architect's instructions.

Grated doors to corridors. Corridor doors, 42 in number, to be made and laid to detail Plans, in 3" x ¾" framing, with approved locks etc.

Cut-fire door. The several parts of the Building to be separated by cut-fire doors, frames folding, of 3" x ½" scantling, covered with ⅛" sheet, well riveted and finished with conic rivet heads, in 3" x ¾" framing ; said doors to be 45 in number, not including that between jailor's residence and prison proper, which last to be also provided with folding cut-fire door and strong grated door unsolid frame, with grating all around.

Prison door.

Hooks for all iron doors. For all the above mentioned doors, smith to furnish anchor hooks, at least 18" in length 6 to each door and the same for all gratings over doors, which gratings to be also made of the same build as doors, etc, to be laid in ¾" by 3" framing tailed 6" into brickwork top and bottom and both ends.

Gratings over cell doors.

Fire grates. Fire grates of the mean value of $15 each, to Architect's taste, or to be approved by him, must be provided and laid to all open fire places in Central Building and central wing and to be put in by Brick-layer as specified in his works.

Drought grate. Smith also to furnish the requisite, stout cast bars for ventilating chimney grate, as well for grates to kitchen boilers etc ; cast iron front for said boilers, and in a word every other necessary detail for cooking apparatus in kitchen and washing apparatus in laundry, etc.

Cooking and washing apparatus.

All exterior windows to be barred or grated as shown on Elevations ; all mullion or vertical bars to be of inch round iron, and stancheons or horizontal bars to be of 2½" by ⅜", pierced or punched for insertion of verticals.

Ends sealed in lead. Every bar to be long enough to tail 3" into cut stone, at each extremity, and all ends in stone work to be run and sealed in lead well hammered in and leveled off to surface of stone.

Arrow points. All upper ends of vertical, to circular headed openings, to be finished arrow point, to Architect's design.

2 coats boiling oil.

All iron for exterior work and all inside doors to be done in 2 good coats of boiling oil, previous to removal to premises.

Wrought iron reservoir to W. C. Wings.

Prepare for each garret over water closet wings, ¼" wrought riveted reservoirs, capable of containing each about 1000 gallons ; that is to say 5' x 10' x 3' deep, the upper edge strengthened with angle iron.

Reservoir for Infirmaries ; do for central building.

A similar reservoir to be made in garret over Infirmary closets ; another to contain 2000 gallons in the garret above both rooms, this last to be 5 feet by 15 feet by 4 feet.

Reservoirs for jailor's residence.

Another reservoir for 500 gallons, say 5' x 5' x 3', in the garret over jailor's residence, and one for 150 gallons over closets in Basement of do.

Provide all necessary holes and collars in reservoirs.

For all said reservoirs, smith to prepare proper holes and wrought collars, as may be required by plumber, for service and waste pipes etc ; hereinafter specified.

¼" cast or ¼" wrought iron troughs.

For closets in wings provided and lay half inch cast iron or ¼" wrought iron troughs, of forms and dimensions required by details Plans, with necessary bearers, holes and collars, etc, to suit plumber's work.

Deliver all 4" wastes into 6" main waste bends.

All said troughs to deliver through a 4" cast waste, or soil pipe into a vertical 6" main ⅜" thick, spigot and faucet jointed. Lower part of main made to conform to tile drainage tubing mentioned in brick-layer's work.

Wastes for bath sinks, &c.

Founder to furnish also, as may be required by plumber, all necessary cast pipes for closets and baths in other parts of building, of suitable size ; also for sinks in kitchen, dining room, laundry and jailors residence , the wastes to sinks, etc., to be in no case less than 3" diam : and ¼" thick.

¼" Cast iron sinks.

Complete the works.

All sinks to be of cast iron, half inch thick, provided by founder, subject to plumbers directions, as regards holes, collars, and joints of waste pipes etc ; In one word, founder to provide all pipes required for W. C, baths, sinks, etc, throughout the Building complete, with branches elbows, bends, etc, to satisfaction of plumber, who

2 coats boiling oil.

will charged with laying said pipes with lead joints ; the whole well coated twice in boiling oil before leaving the foundry.

Cut-fire wickets.

Provide folding shutters to wickets from kitchen to dining room in strong wrought frame to answer as cut-fires.

Fuel gullies.

Provide and adapt to stone kerb, mentioned in stone-cutters specification, two wrought or cast stoppers to full gullies, also inside vertical stoppers to foot of gullies, in proper wrought or cast frame, well secured to wall by strong hooks built in as masonry proceeds.

Mode of securing do.

Said stoppers to be secured, one to the other by a suitable chain passing from beneath the outer, through the inner, to basement corridor with strong padlock or other approved fastenings.

Gully gratings for surface water.

Collars for do.

For drainage of surface water, provide and lay 10 cast or wrought strong gully gratings 12" diameter, 1" thick, adapted to rebates to be cut in gully kerb stones. Said gratings made to suit cast collars of dimensions and shape to meet and form water tight junction with gully drains specified in bricklayers work.

¼" cast or 1-8" wrought baths.

Provide, as may be required by plumber, ¼" cast, or ⅛" wrought and flush riveted baths, where shown on plans, in central wing and central building etc ; All said baths to be made with upper 2" rounded margin, and provided with all holes and requisite collars for service and waste pipes etc., to be laid by plumber.

Replacing longitudinal, by cross vaults on wrought beams.

For 10 feet corridors, inside wings, contractor to be at liberty to replace longitudinal vaults by cross do, on wrought iron joists, shown on one of the sections, thereby dispensing with the iron ties hereinbefore specified ; but the longitudinal vaults and ties are prefered for economy of construction and equal strength.

Sill tongues.

Provide for joiner's use, as specified in his works, 1" x ¼" sill tongues for every window in the building intended, reuder all windows water tight between sills and water bars.

PLUMBER.

All wrought and cast work furnished by Smith, and laid by Plumber.

The whole cast and wrought work, for closets, sinks, baths, reservoirs, etc; to be provided by Founder and Smith, as mentionned in specification of that work; but it will be incumbent on the Plumber to attend to the execution of such works, to adapt them to requirement and to lay or fix all such, including waste and other pipes, etc; with joints run in lead and self-acting valves to closet troughs hermetically sealed.

All troughs to closets to be provided with self-acting valves, including apparatus complete for emptying the troughs; said apparatus of copper and brass, or other approved metal.

Gratings and stoppers for sinks.

All sinks to be provided with brass gratings and copper stoppers 3" diameter, with suitable chain attachment.

Infirmary, closets, &c.

The W. C. in infirmaries, chaplain's rooms, and jailors residence to be provided with ordinary pan closets, levers etc., complete.

Waterservice to reservoirs.

Plumber to provide and lay as required all water service pipes, from point at which water will be delivered into building by City, to the several reservoir's mentioned in smith's work, to be inch wrought lap-welded, screw jointed and hermetically sealed in lead.

$\frac{3}{4}$" wrought iron or heavy lead service to baths &c,

All closet troughs W. C., sinks, baths, etc, to be supplied with $\frac{3}{4}$" inch wrought iron, or heavy lead water service.

Provide and lay all that may be required to complete the work.

All waste pipes, service pipes, stop cocks, valves, levers, cranks, gratings, stoppers and chains, bibb and ball cocks, etc.; which may be required to complete the closets, sinks, baths and reservoirs throughout the whole building, to be provided and laid by Plumber, attached to walls etc., by suitable cramps and clips driven 3 feet apart or closer where required.

Inclination of waste pipes. Cutting and

All waste pipes to be laid with proper slope to insure their perfect drainage, and no joists to be cut into more than 2" in depth for the purpose of laying such pipes, but

boring of joists. augur holes may be bored through joists to allow of pipes passing through them.

Wash basins for infirmaries. In the two infirmary closet rooms, provide cast enamelled 3 way washing troughs, or 6 waste basins of any other construction approved by Architect.

Urinals of slate or enamelled iron. The several urinals shown on plans to be completed with water service, of cast enamelled work or 1" slate troughs cemented with white lead.

Moveable plugs, Plumber to provide wherever required all necessary stench traps and will take a special care so to manage the whole of his work, that by means of moveable plugs it may be possible at all times to visit, examine, and clean out all waste pipes etc.

GAS FITTER.

Provide and lay all gas pipes required. Provide and lay all necessary pipes for the lighting by gas the whole building, not including cellars in central building; the principal service pipe to be laid by Company or City Building and therein to enter in basement story of jailor's residence or through east or west extremity of building.

Company or City service, $1\frac{1}{2}$" main pipe. $\frac{3}{4}$" pipe for each story. $\frac{1}{2}$" pipe for each wing Subdivided into $\frac{3}{8}$" pipe $\frac{1}{4}$" branches. The inside main pipes to be $1\frac{1}{2}$" in diam. and to be taken from basement to top of third floor. For service of basement and of each of three stories above it, a $\frac{3}{4}$" service to be attached to main pipe. The $\frac{3}{4}$" service in each story to be laid as far as centre of building, there to divide into three $\frac{1}{2}$" pipes, of which for one central wing and one for each of side wings. Each half inch pipe to bifurcate into 3-8" pipe which will run the length of every corridor and apartment to be lighted, to which last will be attached $\frac{1}{4}$" branch pipes for each separate apartment and passage etc., not including cells; said branches for corridors and large apartments to be laid about 25ft. apart at points to be indicated by Architect.

Distance between branches.

Fourth floor service pipe. The service attaching to main in fourth floor need not be over $\frac{1}{2}$" and the main itself as it rises from story to story, may be reduced from $1\frac{1}{4}$" to $1\frac{1}{8}$", farther to 1 1-8", then to inch, and finally to $\frac{3}{4}$" in fourth floor.

Pipes under flooring.

In centre Building and wing gas tubing to be laid under floor and joists may be cut into to that effect not exceeding 1" but inside wings all piping to be laid bare along junction angles of corridor vault and vaulting either one side or the other as required.

Mode of securing pipes.

All said pipes to be solidly attached to walls by suitable cramps or clips for the purpose of holding and retaining them in a proper manner, laid at mean distance of 3 ft. from one another.

Wrought iron pipe.

Block tin pipe.

The 1½" main and its continuation to fourth floor, as well the ¾" and ½" services to be of wrought iron lapwelded ; but such as are of less diameter may be of block tin as usual.

Provide all detail for perfection of work.

All pipes where exposed to be laid with perfect regularity, and all pipes in general, whether iron or tin to be laid joined, and hermetically sealed, with all bends, couplings, washers, stop cocks, etc ; necessary to the perfection of the work.

Moveable battens over gas pipes.

The Gas fitter will see that the Joiner provides in flooring all necessary moveable screwed word and traps etc ; throughout, to allow of examining the works, and repairing them when required.

Put up such gaseliers as Commissioner may furnish.

The Contractor will have to put up in every apartment and corridor of the building such gaseliers, brackets, pendants etc., of what ever forms and dimensions, which the Honorable Commissioner of Public Works may provide for that purpose, and all such to be put up as Architect may direct.

Mode of attaching gaseliers to vaulted ceilings.

Gaseliers, etc ; will probably have to be attached to vaulted ceilings by iron rods passing through the same, and flush riveted on the upper side to suitable washers sunk flush into cement floors.

TIN SMITH

Roof flats in zinc.

All roof flats to be covered in best 17 oz. zinc laid on rolls to be laid by joiner, the zinc to extend one foot down the side slopes over slating.

SPECIFICATION.

Galvanized iron flashing to hips &c. To all valleys, hips, ridges, lay 17 oz. galvanized iron flashings ; whole width of sheets, more or lesss, to Architect's satisfaction.

Make roof water-tight at third fourth story. To make the roof-water tight where it meets the fourth floor of central building ; lay a half with of galvanized iron hermetically sealed in water cement, in a groove to be cut by the stone cutter, or build in, said galvanized iron, stepped to courses of ashlering, as masonry proceeds to be thereafter bent down upon slating to render the valley water-tight.

Cloak flashings to chimneys To render roof water-tight around all chimneys, lay between the courses, while building or in a groove to be afterwards made by stone cutter, a suitable width of 5 lbs. lead for a cloak flashings, sealed in water cement.

Skylights to roof. Lay galvanized iron flashings of suitable width to all skylights in roof.

Flashings in short lengths. All flashings to be laid in short lengths, and solidly nailed with tin nails of suitable dimensions.

Lead to top of watch tower, &c. The whole top of ventilating chimney and of watch Tower to be covered with 5 lbs. lead.

Eaves gutters. All around the building a strong eaves gutter about 9" broad with heavy moulding on front and back, turned up 1" under slating, to be laid to all eaves and securely attached to roof by galvanized iron clips, 3 feet apart, the whole according to detail plans.

4" down pipe. To discharge the eaves gutters, down pipes to be laid where indicated on plan No 2, to be 4" diameter with raised joints, laid perfectly vertical, and attached to walls at distances of 6 feet, with suitable galvanized iron clasps ; all said pipes at their lower ends to be properly jointed to tile drains.

Galvanized iron clasps.

Ventilation of closets From beneath seats over closet troughs, lay zinc or tin ventilating pipes, 3" diam : to nearest chimney; and a 6" do, from closet room to same.

3" to 5" pure air tubing. Provide and lay at about 50 places, more or less, to be pointed out by Architect, 3" to 5" zinc tubing, for the introduction of pure air to beneath heating stoves.

Heating stoves furnished by Department and laid by Contractor.

This specification does not include the purchase of stoves which will be furnished by the Department of Public Works and put in place by Contractor, including outer envelopes and stovepipes, and it may be said with the view of showing the use to be made of the above mentioned zinc tubing that the pure air thereby introduced will deliver into apartments, beneath said stoves, rise between the stoves and their outer envelopes, thereby acquiring the requisite temperature, then passing out into corridors etc; and finally escaping through the ventilators in the walls to be drawn to ventilating chimney through horizontal conduits, and at last ejected into open air.

System of heating and ventilating.

Tubing of size proportional to stoves.

The stoves above mentioned, about 50 in number, more or less, to be of different dimensions, according to extent of apartments to be heated, and the tubing for ingress of pure air to be of proportional size, within the limits of 3" x 5". Said stoves to be of the best construction adapted to the combustion of anthracite coal which requires less service than any other fuel.

Anthracite coal.

Ventilating registers.

For each of the 50 (more or less), ingress pipes, tinsmith to provide and lay regulating registers of brass to slide in a small iron frame to be built into the walls with the masonry, or said registers may be laid at extremities of pipes under stoves; said registers, etc., to be made and laid as Architect may require.

How and where made and laid.

Ventilating registers.

For each tile collar to ventilators shown on plan No. 2, tin smith to provide suitable registers of painted and varnished or enamelled iron, with moveable laths to adjust draught, all said gratings to be placed at upper part of corridors, etc.; at places to be pointed out by Architect and to be provided with 1-8" iron or brass rods, one on each side of suitable length, and attached in a manner to allow of shutting or opening registers as required. The registers to be attached to tile collars in a secure manner.

Adjustings rods to ventilators.

Securely fix all registers.

Other registers required.

Independently of the above mentioned registers for ventilators shewn on plan tinsmith to provide and fix similar registers to all chimney flues in closet rooms and corridors thereof in Chaplains rooms and jailor's residence, and wherever they may be considered necessary by Architect.

Stoppers to stove pipe rings.

Wherever there are no registers to stove pipe rings in chimneys, also to all stove pipe rings in walls and partitions, tin smith to provide and put in strong tin or galvanized iron stoppers with raised margin complete.

BELL HANGER.

From entrance door.

Provide and fix from main entrance door, one bell to messenger's room, with crown mineral knob to bell-pull.

From director's room, &c.

One bell from Director's room and another from administration Office, both to messenger's room.

Four nurses rooms, &c.

Bells from chaplains, physicians, and nurses rooms in central wing, to kitchen or messenger's room, as may be required by jailor.

From ends of corridors.

Bells from extremities of corridors, leading to closet wings, in basement and each story, to guard room on first floor of central building.

From end of central wing

From entrance door to first floor at end of central wing, to messenger's room.

Alarm bells.

All entrance doors to be provided with alarm bells disposed in a manner that the Jailor may be enabled to have them in, or out of ear.

Numbers and names.

All said bells to be of different tone, so as to admit of being easily distinguished, laid with all necessary cranks, wires, and other apparatus requisite for perfect freedom of action, including numbers and names of apartments where from, and in all respects to Architect's instructions.

Provision case of other bells required.

If it were necessary to hang a few more bells not herein above mentioned, the Contractor to do so without extra charge.

CARPENTER AND JOINER.

Red or white pine scantling 3 months old.

All scantling for joisting, rafters, wallplates, beams and posts etc., to be of white or red pine sawed at least 3 months previous to being used.

In general all joists to be 3" thick and 15" deep. Those for closet wings 3" x 12" and those for garrets 3" x 13½". Size of scantling.

In central wing all joists to be of a single length each. Intermediate joists to be long enough to extend from exterior wall to wall of opposite side of corridor alternately from opposite ends. Length of joists.

Said joists at their extremities to be cut level as indicated and to rest on 2½" x 4" wall-plates, to which they must be securely spiked. Wall-plates.

Pole-plates to foot of rafters to be single 6" x 12" all around eaves, halved at junctions and angles and well nailed. Pole-plates.

On garret floors lay 8" x 8" sole pieces, bearing 8" x 8" posts supporting 8" x 12" stringers or bearing beams, to receive roof joisting and rafting 3" x 12". Stringers and Posts. Roof, joists and rafters

All joists to floors and roofs to be laid 24" between centres and all rafters at 48 inches. spacing of joists.

All ties mentioned in smith's works to be laid and spiked in the best manner. Fix all iron ties.

The whole roof to be covered with 1½" dry narrow pine with all valleys, hips, ridges, rolls and saddles etc., complete. 1½" roofing.

All ceilings in closet wings and in central building and wing, to be furred with 1½" x 2" stuff 12" between centres for lathing. Furring of ceiling.

All partitions in central wing and building to be of 3" x 4½" studs, with at least two rows of herring bone struts, and with bottom and top tongued and grooved stringers of suitable size. Stud partitions.

Herring bone bridging of 2" x 3" stuff, very dry, to be laid well nailed to joists, with one range on each side of corridor walls and Light-well in each story, and one range in central wing between outer wall and pillars, to each course of joisting. Herring bone bridging of 2" x 3".

Deafening floors.

Wherever joisting occurs, inch second quality deafening floor to be laid, well nailed to side cleats fastened to joists.

Garret floors.

In garrets over joisting, lay rough, inch close jointed nailed flooring.

2" narrow spruce flooring.

All floors on joists with the exception of garrets to be laid of 2" narrow, tongued and grooved, broken jointed, blind nailed, spruce without any large or bad knots, or other defects.

1½" oak floors to iron galleries, &c.

All floors for iron galleries, to cells, chapel galleries and landings to iron stairs, and for upper floors of watch Tower, and in general wherever floors bearers are specified in smith's work, to be laid 1½" oak of first quality wrought, ploughed and tongued and securely fixed to bearers by screws, or otherwise, as Architect may direct.

2" oak steps to all iron stairs.

All iron stairs mentioned in smith's work to be provided with steps, only, of 2" oak with slight, rounded nosing, projecting, 2 inches. Said steps to be at each end, secured to stair carriages, screwed with nuts through snugs, head of screw bolts flush with upper surface of steps.

2" x 11" skirting.

To all apartments, corridors, etc., of central building and wing, with the exception of those around Light-well, lay 2" x 11" skirting heavy molded, securely nailed to wood-bricks, or wall-plates, with the requisite grounds etc.

Wooden stairs.

All stairs in central building and wing not including those of rear angles, to be built on 4" carriages, 2" pine treads, 1" risers, skirtings and trimmings complete,

Birch balusters and hand rails.

All balusters to be 1¼ square birch and hand rails 2" x 3" birch, with 6" newel post, where required, angle steps, landing, etc. and railings continued all around wells.

3" spruce deal for partitions, closets, &c.

In closets, wings and elsewhere throughout the building, all partitions between closets, urinals, baths, etc., to be made of 3" milled spruce deals free from large or bad knots, tongued into 3" x 4½ bottom bearer and 3" x 6" capping, the whole to be solidly nailed.

Closets in small wings to be provided with seats, only, of pierced 2¼" oak, said seats to bear directly, on iron trough grooved into them hermetically, and to be secured to proper snugs, by means of small screwed bolts laid flush with upper surface of closet seats. 2¼" oak closet seats.

No other Joiner's work will be required for baths than that which may be necessary to enclose and protect surface pipes, cocks and valves, etc., and the same for closets above mentioned. Joinery for Baths &c.

All the closets in central Building and wing to be furnished by joiner in the ordinary manner with 1" oak risers and 1½" oak seats. Joinery to other closets

Skeleton framing to be made as required by plumber, for all sinks ; said sinks to be properly shut in, if required, with narrow beaded wrought pine or spruce, all secured with screws and moveable at pleasure, to afford every facility for visiting Plumber's or Smith's work, or for cleaning out pipes, and for repairs. Joinery for seats &c.

The Joiner to provide, as required, by Plumber, all necessary wood-work to lay services to, and to enclose all piping in wrought boxings, with moveable fronts when so required by Architect. Box in all to bmg.

A moveable screw batten ; to be laid the whole length of all tubing under floors, and Joiner to provide for Plumber, Smith and other trade sections, such details of work as may be required in work of like nature. Details of Joinery.

In central wings and front portion of central Building all room doors to be 2" framed and moulded pine, in 3" x 6" frames, plain trimmings, 1" jamb linings, best rim locks, 4" wrought butts, brown mineral knobs complete. 2" pine room doors.

All cupboards to be provided with 1½" framed doors, shelves on proper ladders in 3" stud, enclosure. Cupboards.

All doors for closets and bath rooms to be 2" narrow, tongued and grooved bead and flush, spruce, framed into Closet doors

bottom and top transom, with 3½" wrought butts and strong latches or other fastenings to be approved of by Architect, All said doors to be 2" x 6" in partitions 7 feet high.

Main entrance door. The principal entrance door and frame with lining complete to be oak 2½" framed and moulded door with 2" panels, 4½" x 6" frame and 1½" wrought and beaded jamb linings with heavy beading for architrave.

Inner Hall door. The inner Hall door to be made of pine with glazing all around the usual way.

Other outer doors 2½" oak. All other exterior doors to be of oak, 2½" bead and flush, framed in 4½" x 6" solid oak, frames, with bolts, locks and other fastenings to be approved of by jailor.

2" Sashes. All sashes throughout to be of 2" pine, three panes wide with the exception of those in closet wing, which will be 2 panes wide, folding, said sashes to be hung in 3" x 4½" frames, securely attached to window jambs by iron clips or staples, 6 inches long, laid 2 feet apart all around each frame.

Wickets. Joiner to provide wherever necessary in sashes all necessary wickets, two where required in closet wings

Sashes to openings. and bath rooms and infirmaries etc., which last to be made folding, with window bolts and other requisite fastenings.

Central wing windows. In central wing all windows to have 2" inside sills of narrow pine and 2" angle beads for architraves.

Windows in central building For Jailor's residence, all saches to be made folding, with window bolts of prope. length brown mineral knobs, wickets and fastenings complete.

Soffits, backs, elbows, &c. All said windows to have 2" pine inside sills, with 1" bead and flush soffits, back and elbows, with 2" architraves beading.

Sashes in general In general all windows to be made fixed, folding, or to slide, without weights and pullies and with or without wickets according to detail plans and instructions from Architect.

Roof scuttles to be made where shewn on Plan No 7 with requisite step ladders, strong wrought. Roof scuttles.

All sky-lights to be laid on raised rebated framing the whole of 3" wrought pine with 1" x 3" oak bars, grooved for insertion of glass. Small sky-lights.

Large sky-light over light-well to be built of fine framing 3 inches thick with 1¼" x 4½" oak grooved sash bars to detail plans. Large sky-light.

To all openings, in outer or inner walls, Carpenter to provide and put up all proper close jointed centres. Centres for openings.

Corridor vaults and Cell do, to be laid on close jointed centreing so as to prevent any loss or leakage of grout to be employed in cementing the vaults. Centreing for vaults.

Special care to be taken solidly, to construct and support all centreing to broad corridors to the entire satisfaction of Architect. Centreing for corridors.

All centreing for corridors and vaults of large cells to remain in position until orders are given to strike it, whereas the centres for openings in inner and outer walls, may generally be struck immediately and made use of in upper-stories. Time of striking corridor centres. Time of striking small centres.

All sashes for borrowed lights to be 2" pine with solid pine sills and strong jamb linings and plain trimming in strong frames securely fixed to walls by suitable iron clips 18" a part all round or to be furnished by Joiner and built in by Mason during progress of works as Architect may decide hereafter. Borrowed lights.

One hundred doors, more or less, of 2" bead and flush, spruce with bottom and top stills, solidly framed and mortise jointed, hung to 3" x 4½" framing, securely cramped to walls or built in with masonry. 100-2" bead and flush doors in 3" x 4½" frames.

Said doors to be provided only, with good batch and bolts plain boxed 1½" mantles. Fastenings.

Chimney mantles. All chimney breasts to be provided with plain boxed $1\frac{1}{2}$" mantles.

Iron sill tongues $\frac{1}{4}$" x 1. All sill tongues provided by Smith for every window in the building to be laid and cemented in the usual manner, to render sashes water-tight.

Chapel choir. In each Chapel, prepare and fit up a choir railing as per Plans or according to Chaplain's requirement of $4\frac{1}{2}$" turned balusters, 3" x 6" leaning rail and $4\frac{1}{2}$" x 6" foot rail, on a floor raised 8" above chapel floor level.

Chapel altars not included. Altar though shewn in position not to be comprehended in the works to be done under first contract.

Seats and stalls for prisoners. Seats for prisoners in chapels, two thirds of which to be divided into separate stalls, to be made of $1\frac{1}{2}$" spruce and 2" risers the whole to detail drawings which will be hereafter furnished.

GLAZIER.

Sashes glazed with german sheet. All exterior sashes to be filled with best german sheet well under puttied and glazed, each sheet to be thoroughly out of winding, and to lay fairly in the rebate attached, if necessary, by metal sprigs.

Inside sashes. All interior sashes to be glazed with good stout german sheet.

Other glass may be used. The glazier may also beat liberty to use Smethwick sheets, or Chances 26 oz : do.

Small skylights. Small skylights to be glazed in grooves with $\frac{1}{4}$ plate, 6" broad, the whole hermetically sealed and water-tight.

Large skylights. The large sky-light over light-well to be glazed with $\frac{3}{8}$" to $\frac{1}{2}$" rough plate, in sheets 12" broad and of such length that two or at most three pieces to form total breath of sky-light.

All glass for said sky-lights to be laid in grooves well puttied and cemented and strongly spriged. Mode of glazing.

Repair all glazing from whatever cause required until the final occupation of the building. Repairs.

PAINTER.

All interior wrought and cast iron work to be done in two coats of oil and lead. 2 coats of paint to interior iron work.

All exterior works of wrought or cast iron to be twice painted once varnished. Three coats, &c. to iron work.

All oak floors to be twice oiled. Oak floors oiled.

All closet seats oiled; and all entrance doors and steps to iron stairs cases oiled and twice varnished. Oak work oiled and varnished.

All exterior joining to be done in two good coats, and all exterior do in three coats of approved colors. 2 coats to inside work.

Exterior of all sashes to be stained imitation of oak or black walnut. 3 coats to out do Staining.

All chimney mantles to be done in imitation of dark marble. Chimney mantles.

All rails and balusters of stairs etc., to be varnished 2 coats. Stairs rails, &c.

Painter to take care to do all knotting and stopping and to finish the work to Architect's satisfaction. Knotting, stopping, &c.

Independently of the above all wrought and cast iron work to be done in two coats of boiling linseed oil and all cramps, bolts, dowels, strips and clips to be boiled in oil previous to leaving foundry.

Specification referred to in the contract passed between Thomas Joseph Murphy and Thomas Martin

Quigley and Her Majesty Queen Victoria represented by the Honorable the Commissioner of Public Works and passed before Joseph Petitclerc and his Colleague, Notaries, on the Thirty-first day of January one thousand eight hundred and sixty-one and signed by the parties thereto and the undersigned Notaries.

Signed on the original remaining of Record in the office of Joseph Petitclerc, one of the said Notaries.

THOS. M. QUIGLEY,
THOS. J. MURPHY,
JOHN LANE, Junior,
JOHN FLANAGAN,
MICHAEL QUIGLEY,
JOHN ROSE, Commissioner,
T. TRUDEAU, Secretary.

J. B. C. HÉBERT, N. P.
JH. PETITCLERC, N. P.

(Schedule No. 1.)

SCHEDULE OF PRICES

For all work, labour and materials required in the erection and completion of the Quebec Jail, being the rates and prices at which the accompanying tender for the said building has been computed, and also the rates and prices at which all works of omission and progress estimates, shall be valued and paid for under the provisions to be embodied in the Contract.

No. of Item.	Description.	Definition.	Rate.
	EXCAVATOR.		$ cts.
1	Digging in earth, clay or gravel, and wheeling, spreading, ramming down and levelling, or grading, within 50 yards of the building...	per cubic yard. .	0 12½
2	do do do loose rock and boulders.	do	0 35
3	do do do solid rock.....	do	0 75
4	First item at 100 yards.....	do	0 14
5	Second do at do	do	0 37
6	Third do at do	do	0 80
7	First item at any point within the property..	do	0 17
8	Second do at do do	do	0 40
9	Third do at do do	do	0 85
10	Digging, refilling, ramming down and levelling surface for drains not exceeding 5 feet deep in earth.....	per yard lineal...	0 15
11	do do do in rock.....	do	0 85
12	do do do in earth 8 feet.....	do	0 30
13	do do do in rock do	do	1 70
14	do do do for each foot extra in depth in earth.....	do	0 5
15	do do do in rock.....	do	0 20
16	do do do in earth.....	per cubic yard...	0 15
17	do do do in loose rock.....	do	0 40
18	do do do in solid rock.....	do	0 90
19	Labourer.....	per day.....	0 60
20	Cart, horse and driver.....	do	1 00
	MASON AND BRICKLAYER.		
21	Pit sand delivered.....	per cubic yard...	0 60
22	River or drift sand delivered.....	do	0 60
23	Common lime.....	per bushel.....	0 10
24	Gauvreau's Cement.....	per barrel.....	1 75

SCHEDULE No. 1.—(*Continued.*)

No. of Item.	Description.	Definition.	Rate.
	MASON AND BRICKLAKER.—*Continued.*		$ cts.
25	Broken Stone for rough concrete, 3 inch diam.	per cubic yard...	1 50
26	do do for fine do 1½ do do	do	2 00
27	Hair for pugging mortar	per bushel.....	0 20
28	Lime stone for rubble, Chateau Richer or Pointe aux Trembles	p. toise of 216 ft. fr	10 75
29	Large size do do for footings	do	12 00
30	Common red bricks	per 1000.....	4 30
31	Picked do for facings	do	6 50
32	English fire bricks	do	22 00
33	Rubble masonry in footings	p. toise of 72 ft. fr.	6 50
34	Rubble masonry in foundations and backing	do	6 00
35	Brick-work common grouted in lime mortar	per 1000.....	7 00
36	Brick-work in arches and vaulting in two half brick rims grouted	Per yard sup....	1 00
37	do do do	per 1000.....	8 00
38	Pointing in mortar to brick-work	par yard sup....	0 10
39	Pugging of coarse mortar for floors 2" thick	do	0 8
40	Rough concrete	per cubic yard...	2 50
41	Fine do	do	3 50
42	Labour and mortar only to common brick-work	per 1000.....	2 75
43	do do to rubble stone masonry	per toise.....	3 00
44	Lime mortar under slates	per square.....	1 00
	DRAINS, EXCLUSIVE OF DIGGING, MEASURED IN THE WORK.		
45	Bell's tubing laid in water cement 4"	per yard lineal..	0 48
46	do do 6"	do	0 66
47	do do 9"	do	1 20
48	do do 12"	do	1 75
49	do do 15"	do	2 50
50	do do 18"	do	4 00
	STONE CUTTER.		
51	Native (Cap Rouge) sandstone in blocks delivered	per cubic ft.....	0 20
52	Pointe aux Trembles limestone do do	do	0 28
53	Deschambault do do do	do	0 29
54	Montreal do do do	do	0 30
55	18" Ashlering delivered rough per running foot 12" bed	p. ft run as follows	

Cap Rouge.		Pointe aux Trembles.		Deschambault.		Montreal.	
$	cts.	$	cts.	$	cts.	$	cts.
0	30	0	42	0	44	0	46

SCHEDULE No. 1.—(*Continued.*)

No. of Item.	Description.	Cap Rouge.	Pointe aux Trembles.	Deschambault.	Montreal.	Definition.	Rate.
	FOR LABOUR, CUTTING AND SETTING ONLY						$ cts.
		$ cts	$ cts	$ cts	$ cts		
56	Rock face	0 15	0 14	0 14	0 14	per ft. sup.	
57	Scabled	0 16	0 15	0 15	0 15		
58	Rough bush ham'd.	0 21	0 19	0 19	0 19		
59	Fine do	0 25	0 22	0 22	0 22		
60	Tooled	0 28	0 25	0 25	0 25		
61	Chamfered	0 26	0 23	0 23	0 23		
62	Moulded	0 35	0 30	0 30	0 30		
63	Sunk	0 40	0 35	0 35	0 35		
64	Sinking holes and cutting grooves in cut stone for iron bond, cramps, mullions, stancheons, &c., &c					per ft. run	0 13
65	Stone cutter					per day	1 50
	PLASTERER.						
66	Laths best sawed					per 1000	1 20
67	Plaster					per barrel	2 50
68	Render on walls, one coat only					per yard sup	0 6
69	Three coat work on walls					do	0 15
70	Lath and three coat work on ceilings					do	0 20
71	Lath and three coat work on partitions					do	0 19
72	Render and float on walls					do	0 12
73	Plain run plaster moulding and cornice					per ft. sup	0 9
74	1½" Common cement flooring laid over concrete, composed of gravel, smith's ashes and lime as per specification					per yard sup	0 25
75	1½" Flooring of Gauvreau's cement—two of sand to one of cement mixed with water and laid on concrete					do	0 35
76	do do do mixed with linseed oil.					do	0 75
77	Portland cement floors					do	0 70
78	Lime whiting two coats					do	0 5
79	Plasterer					per day	1 00
80	Labourer					do	0 60
	SLATER.						
81	Melbourne slates laid with coper nails					per square	8 00
82	Slater					per day	1 30
83	Labourer					do	0 60

SCHEDULE No. 1.—(*Continued.*)

No. of Item.	Description.	Definition.	Rate.
	SMITH AND FOUNDER.		$ cts.
84	Cast iron troughs, pipes and pillars, &c	per cwt.	3 50
85	Wrought iron in flooring, bars or joists	do	3 25
86	" " in straps and ties, &c	do	4 50
87	" " in stancheons or saddle bars.	do	7 00
88	" " in mullion or vertical bars to outer window gratings	do	3 25
89	" " in iron doors and frames and in gratings over do	do	0 6
90	" " in crewed bolts, nuts, &c	per lb	0 9
91	" " in galleries to cells	per cwt.	5 50
92	" " in staircases to cells &c	do	6 50
93	" " reservoirs in sheets riveted	do	9 00
94	Galvanized Hoop iron for bond delivered	do	8 00
95	Smith	per day	1 50
96	Labourer	do	0 60
	PLUMBER.		
97	Milled lead	per cwt.	8 50
98	Cast do	do	8 00
99	Milled lead laid complete in chimney and step flashings, &c	do	10 00
100	W. C. apparatus complete—best	each	15 00
101	Wrought iron ½" bath complete	do	20 00
102	Cast iron 4" do	do	15 00
103	Zinc do	do	10 00
104	Soil and waste pipe	per lb	00 10
105	Soil pipe joints	each	1 00

		½ inch	¾ inch	1 inch	1½ inch	2 inch	
		$ cts	$ cts	$ cts	$ cts	$ cts	
106	Strong water pipe	00 30	00 35	00 45	00 80	1 10	per ft.
107	Washers & wastes	00 75	00 90	1 00	1 30	2 00	per ft.
108	Stop cocks	00 70	1 60	4 50	7 00	12 00	each.
109	Bibb & ball cocks	1 50	1 75	2 50	3 50	6 00	each.
109½	Tubing	00 10	00 20	00 25	00 45	00 50	each.

110	Solder	per lb	00 30
111	Plumber	per day	2 25
112	Labourer	do	00 70
	TIN SMITH.		
113	Hip, valley and ridge flashings in 17 oz. galvanized iron	per ft. sup	00 9

SCHEDULE No. 1.—(*Continued.*)

No. of Item.	Description.	Definition.	Rate.
	TIN SMITH.—*Continued.*		$ cts.
114	Hip, valley and ridge flashing in zinc	per ft. sup.	00 8
115	Zinc on rools for decks	per square	8 00
116	Zinc down pipe fixed complete with fastenings &c., 4"	per ft. lin.	00 20
117	do do do 5"	do do.	00 25
118	Galvanized iron heavy moulded 9" eaves gutter, fastened to roof every 3 feet	do do.	00 80
119	Tin Smith	per day	1 50
120	Labourer	do	00 00
	CARPENTER AND JOINER.		
121	Joisting 3" x 18"	per ft. lin.	00 7
122	do 3" x 15"	do do.	00 6
123	do 3" x 13½"	do do.	00 5
124	do 3" x 12"	do do.	00 4
125	Pole-plate 6" x 12"	do do.	00 8
126	Wall-plates and bond timber 2½" x 4"	do do.	00 1¼
127	Rough posts in garret 8" x 8"	do do.	00 8
128	Stringers 8" x 12"	do do.	00 10
129	do 6" x 12"	do do.	00 8
130	Rafters 3" x 12"	do do.	00 4
131	1½" tongued and groved roofing	per square	3 00
132	2" do do do	do	3 50
133	1½" deals for roofing	per 100	11 50
134	2" do do	do	17 00
135	Straping to ceilings	per square	1 00
136	Deafening floors	do	00 75
137	4½" stud partitions	do	2 25
138	2" spruce milled flooring	do	4 50
139	2" spruce deals	per 100 pieces	20 00
140	4½ studs	do do	7 00
141	Inch rough garret flooring	per square	2 50
142	1½" oak floors to cell galleries, chapel galleries and iron stairs	per ft. sup.	00 9
143	11" x 2" moulded skirtings	per ft. lin.	00 5
144	2" steps including risers, 1½" birch balusters and 2" x 2½" birch rails complete with carriages &c. 3½ ft. broad	per step	1 75
145	Circular headed 2" pine sashes in 3" x 4½" pine frames	per ft. sup.	00 35
146	Segment headed do	do do.	00 30
147	Square headed do	do do.	00 25
148	Plain 1" jamb linings, soffits, &c.	do do.	00 4½
149	2" panelled doors moulded	do do.	00 15
150	2" bead and flush doors—spruce	do do.	00 7½
151	3 milled partitions—spruce	do do.	00 7

SCHEDULE No. 1.—*Continued.*

No. of Item.	Description.	Definition.	Rate.
	CARPENTER AND JOINER.—*Continued.*		$ cts.
152	2" oak W. C. seats	per ft. sup	00 25
153	2" pine milled inside sills	do do	00 6
154	2½" oak panelled and moulded entrance doors	do do	00 45
155	2" angle beading to openings	per ft. lin	00 1½
156	3" do do do	do do	00 2
157	Centreing for vaults, &c	per yard sup	00 30
158	Centres for arched windows	each	1 00
159	Carpenter	per day	1 25
160	Joiner	do	1 25
	PAINTER AND GLAZIER.		
161	3 coat work in plain colours, lead and oil including knotting and stopping	per yard sup	00 12½
162	2 coat do do do	do do	00 9
163	Oiling only to oak per coat	do do	00 3
164	Oiling and varnishing to wood work	do do	00 9
165	Oiling twice and varnishing to iron-work	do do	00 13
166	Staining imitation of Black Walnut	do do	00 10
167	Any additional painting, per coat	do do	00 4½
168	do oiling, do	do do	00 3
169	do varnishing do	do do	00 7
170	Glazing, best German sheet	per ft. sup	00 9
171	do Chances 16 oz. do	do do	00 12½
172	do do 26 oz. do	do do	00 15
173	do ¼" plate for sky-lights	do do	00 35
174	do ¼" rough plate for do	do do	00 45
175	Painter	per day	00 75
176	Glazier	do	00 75
177	Labourer	do	00 60
178	Felt, tar and gravel roofing, best	per square	6 00

All works not enumerated to be valued by the Superentending Architect at fair current rates.

Schedule of prices Number one referred to in the Contract between Thomas Joseph Murphy and Thomas Martin Quigley and Her Majesty Queen Victoria represented by the Honorable the Commissioner of Public Works, passed before Joseph Petitclerc and his Colleague, Notaries, on the Thirty-first day of January one thousand eight hun-

dred and sixty-one, and signed by the parties thereto and by the undersigned agreeably to the said contract.

(Signed) THOS. M. QUIGLEY,
THOS. J. MURPHY,
JOHN LANE, Junior,
JOHN FLANAGAN,
MICHAEL QUIGLEY,
JOHN ROSE, Commissioner
T. TRUDEAU, Secretary,
J. B. C. HÉBERT, N. P.
J. PETITCLERC, N. P.

(Schedule No. 2.)

SCHEDULE OF PRICES

For all work, labour and materials required in the erection and completion of the Quebec Jail, being the rates and prices at which all work of addition shall be valued and paid for under the provisions to be embodied in the Contract.

No. of Item.	Description.	Definition.	Rate.
	EXCAVATOR.		$ cts.
1	Digging in earth, clay or gravel, and wheeling, spreading, ramming down and levelling, grading, within 50 yards of the building	per cubic yard	00 15½
2	do do do loose rock and boulders	do do	00 44
3	do do do solid rock	do do	00 94
4	First item at 100 yards	do do	00 17½
5	Second do at do	do do	00 47
6	Third do at do	do do	1 00
7	First item at any point within the property	do do	00 21
8	Second do at do do	do do	00 50
9	Third do at do do	do do	1 6
10	Digging refilling, ramming down and levelling surface for drains not exceeding 5 feet deep in earth	per yard lineal	00 19
11	do do do in rock	do do	1 6
12	do do do in earth 8 feet	do do	00 37½
13	do do do in rock do	do do	2 12½
14	do do do for each foot extra in depth in earth	do do	00 6¼
15	do do do in rock	do do	00 25
16	do do do in earth	do do	00 19
17	do do do in loose rock	per cubic yard	00 50
18	do do do in solid rock	do do	1 12½
19	Labourer	do do	00 75
20	Cart, horse and driver	per day	1 25
		do	
	MASON AND BRICKLAYER.		
21	Pit sand delivered	per cubic yard	00 75
22	River or drift sand delivered	do do	00 75
23	Common lime	per bushel	00 12½
24	Ganvreau's Cement	per barrel	2 26
25	Broken Stones for rough concrete, 3 inch diam	per cubic yard	1 87½
26	do do for fine do 1½ do do.	do do	2 50
27	Hair for pugging mortar	per bushel	00 25

SHEDULE No. 2.—*Continued.*

No. of Item.	Description.	Definition.	Rate.
	MASON AND BRICKLAYER.—*Continued.*		$ cts.
28	Lime stone for rubble Chateau Richer or Pointe aux Trembles	p toise of 216 ft fr.	13 44
29	Large size do do for footings.	do do do	15 00
30	Common red bricks	per 1000	5 37½
31	Picked do for facings	do	8 12½
32	English fire bricks	do	27 50
33	Rubble masonry in footings	p. toise of 72 ft. fr.	8 12½
34	Rubble masonry in foundations and backing.	do do do	7 50
35	Brick-work common grouted in lime mortar	per 1000	8 75
36	Brick-work in arches and vaulting in two half brick rims grouted	per yard sup.	1 25
37	do do do	per 1000	10 00
38	Pointing in mortar to brick-work	per yard sup,	00 12½
39	Pugging of coarse mortar for floors 2" thick.	do do	00 10
40	Rough concrete	per cubic yard	3 12½
41	Fine do	do do	4 37½
42	Labour and mortar only to common brickwork	per 1000	3 44
43	do do to rubble stone masonry.	per toise	3 75
44	Lime mortar under slates	per square	1 25
	DRAINS, EXCLUSIVE OF DIGGING, MEASURED IN THE WORK.		
45	Bell's tubing laid in water cement 4"	per yard lineal	00 60
46	do do 6"	do do	00 80½
47	do do 9"	do do	1 50
48	do do 12"	do do	2 19
49	do do 15"	do do	3 12½
50	do do 18"	do do	5 00
	STONE CUTTER.		
51	Native (Cap Rouge) sandstone in blocks delivered	per cubic ft	00 25
52	Pointe aux Trembles limestone do do.	do do	00 35
53	Deschambault do do.	do do	00 36
54	Montreal do do.	do do	00 37½
55	18" Ashlering delivered rough per running foot 12" bed	p ft. run as follows	

Cap Rouge.	Pointe aux Trembles.	Deschambault.	Montreal.
$ cts.	$ cts.	$ cts.	$ cts.

SCHEDULE No. 2.—*Continued.*

No. of Item.	Description.	Cap Rouge.	Pointe aux Trembles.	Deschambault.	Montreal.	Definition.	Rate.
	FOR LABOUR, CUTTING AND SETTING ONLY.						$ cts.
56	Rock face	$ cts 0 19	$ cts 0 17½	$ cts 0 17½	$ cts 0 17½	per ft. sup.	
57	Scabled	0 20	0 19	0 19	0 19		
58	Rough bush ham'd.	0 26	0 24	0 24	0 24		
59	Fine do	0 31	0 27½	0 27½	0 27½		
60	Tooled	0 35	0 31	0 31	0 31		
61	Chamfered	0 32½	0 29	0 29	0 29		
62	Moulded	0 44	0 37½	0 37½	0 37½		
63	Sunk	0 50	0 44	0 44	0 44		
64	Sinking holes and cutting grooves in cut stone for iron bound, cramps, mullions, stancheons, &c						
65	Stone cutter					per ft. run per day.	00 16 1 87½
	PLASTERER.						
66	Laths best sawed					per 1000	1 50
67	Plaster					per barrel	3 12½
68	Render on walls, one coat only					per yard sup	00 7½
69	Three coat work on walls					do do	00 19
70	Lath and three coat work on ceilings					do do	00 25
71	Lath and three coat work on partitions					do do	00 24
72	Render and float on walls					do do	00 15
73	Plain run plaster moulding and cornice					per ft. do	00 11
74	1½" Common cement flooring laid over concrete, composed of gravel smith's ashes and lime as per specification					per yard do	00 31
75	1½" Flooring of Ganvreau's cement—two of sand to one of cement mixed with water and laid concrete					do do	00 44
76	do do do mixed with linseed oil					do do	00 94
77	Portland cement floors					do do	00 87½
78	Lime whiting two coats					do do	00 6
79	Plasterer					per day	1 25
80	Labourer					do	00 75

SCHEDULE No. 2.—*Continued.*

No. of Item.	Description.	Definition	Rate.
	SLATER.		$ cts.
81	Melborne slates laid with copper nails	per square	10 00
82	Slater	per day	1 62½
83	Labourer	do do	00 75
	SMITH AND FOUNDER.		
84	Cast iron troughs, pipes and pillars, &c	per cwt	4 37½
85	Wrought iron in flooring, bars or joists	do	4 6
86	do do in straps and ties, &c	do	5 62½
87	do do in stancheons or saddle bars	do	9 00
88	do do in mullion or vertical bars to outer window gratings	do	4 25
89	do do in iron doors and frames and in gratings over do	do	00 7½
90	do in screwed bolts, nuts, &c	per lb	00 11
91	do do in galleries to cells	per cwt	6 87½
92	do do in staircases to cells &c	do	7 62½
93	do do in reservoirs in sheets revited	do	11 25
94	Galvanized Hoop iron for bound delivered	do	10 00
95	Smith	per day	1 87½
96	Labourer	do	00 75
	PLUMBER.		
97	Milled lead	per cwt	10 50
98	Cast do	do	10 00
99	Milled lead laid complete in chimney and step flashings, &c	do	12 50
100	W. C. apparatus complete—best	each	18 75
101	Wrought iron ¾" bath complete	do	25 00
102	Cast iron ¾" do	do	18 75
103	Zinc do	do	12 50
104	Soil and waste pipe	per lb	00 12½
105	Soil pipe joints	each	1 25

		½ inch	¾ inch	1 inch	1½ inch	2 inch	
		$ cts	$ cts	$ cts	$ cts	$ cts	
106	Strong water pipe	0 37½	0 44	0 56	1 00	1 38	per ft. lin.
107	Washers & wastes	0 94	1 12	1 25	1 62	2 50	each.
108	Stop cocks	0 87	2 00	5 62	8 75	15 00	each.
109	Bibb & ball cocks	1 87	2 19	3 12	4 39	7 50	each.
109½	Tubing	0 12	0 25	0 31	0 56	0 62	malleable iron.

SCHEDULE No. 2.—*Continued.*

No. of Item.	Description.	Definition.	Rate.
	PLUMBER.—*Continued.*		
			$ cts.
110	Solder	per lb.	00 37½
111	Plumber	per day	2 81¼
112	Labourer	do	00 87½
	TIN SMITH.		
113	Hip, valley and ridge flashings in 17 oz. galvanized iron		
114	Hip, valley and ridge flashings in zinc	per ft. sup	00 11
115	Zinc on rolls for decks	do do	00 10
116	Zinc down pipe fixed complete with fastenings &c., 4"	per square	10 00
117	do do do 5"	per ft. lin	00 25
118	Galvanised iron heavey molded 9" eaves gutter, fastened to roof every 3 feet	do do	00 31
119	Tin Smith	do do	1 00
120	Labourer	per day	1 87½
		do	00 75
	CARPENTER AND JOINER.		
121	Joisting 3" x 18"	per ft. lin	00 9
122	do 3" x 15"	do do	00 7½
123	do 3" x 13½"	do do	00 6
124	do 3" x 12½"	do do	00 5
125	Pole-plate 6" x 12"	do do	00 10
126	Wall-plate and bond timber 2½" x 4"	do do	00 2
127	Rough posts in garret 8" x 8"	do do	00 10
128	Stringers 8" x 12"	do do	00 10
129	do 6" x 12"	do do	00 12½
130	Rafters 3" x 12"	do do	00 10
131	1¼" tongued and grooved roofing	per square	3 75
132	2" do do do	do	4 37½
133	1¼" deals for roofing	per 100	14 50
134	2" do do	do	21 25
135	Strapping to ceilings	per square	1 25
136	Deafening floors	do	1 00
137	4½" stud partitions	do	2 81¼
138	2" spruce milled flooring	do	5 62½
139	2" spruce deals	per 100 pieces	25 00
140	4½" studs	do do	8 75
141	Inch rough garret flooring	per square	3 1 ¼
142	1¼" oak floors to cell galleries, chapel galleries and iron stairs	per ft. sup	00 11
143	11" x 2" moulded skirtings	per ft. lin	00 6
144	2" steps including risers, 1¼ birch balusters and 2" x 2½" birch rails complete with carriages &c. 3½ ft. broad	per step	2 19

SCHEDULE No. 2.—*Continued.*

No. of Item.	Description.	Definition.	Rate.
	CARPENTER AND JOINER.—*Continued.*		$ cts.
145	Circular headed 2" pine sashes in 3' x 4½" pine frames	per ft. sup	00 44
146	Segment headed do	do do	00 37½
147	Square headed do	do do	00 31
148	Plain 1" jamb linings, soffits, &c	do do	00 5½
149	2" panelled doors moulded	do do	00 19
150	2" bead and flush doors—spruce	do do	00 19½
151	3" milled partitions—spruce	do do	00 9
152	2" oak W. C. seats	do do	00 31
153	2" pine milled inside sills	do do	00 7½
154	2½" oak panelled and moulded entrance doors	do do	00 56
155	2" angle beading to openings	per ft. lin	00 2
156	3 do do do	do do	00 2½
157	Centreing for vaults, &c	per yard sup	00 37½
158	Centres for arched windows	each	1 25
159	Carpenter	per day	1 56
160	Joiner	do	1 56
	PAINTER AND GLAZIER.		
161	3 coat work in plain colours, lead and oil including knotting and stopping	per yard sup	00 15½
162	2 coat do do do	do do	00 11
163	Oiling only to oak per coat	do do	00 4
164	Oiling and varnishing to wood work	do do	00 11
165	Oiling twice and varnising to iron work	do do	00 16
166	Staining imitation of Black Walnut	do do	00 12½
167	Any additional painting, per coat	do do	00 5½
168	do oiling, do	do do	00 4
169	do varnishing do	do do	00 9
170	Glazing, best German sheet	per ft. sup	00 11
171	do Chances 16 oz. do	do do	00 15½
172	do do 26 oz. do	do do	00 19
173	do ¼" plate for sky-lights	do do	00 44
174	do ½" rough plate for do	do do	00 56
175	Painter	per day	00 94
176	Glazier	do	00 94
177	Labourer	do	00 75
178	Felt, tar and gravel roofing, best	per square	7 50

All works not enumerated to be valued by the Superentending Architect at fair current rates.

Schedule of prices number Two referred to in the Contract between Thomas Joseph Murphy and Thomas Martin Quigley and Her Majesty

Queen Victoria represented by the Honorable the Commissioner of Public Work passed before Joseph Petitclerc and his Colleague, Notaries, on the Thirty first day of January one thousand eight hundred and sixty one, and signed by the parties thereto and the undersigned Notaries agreeably to the said contract.

(Signed) THOS. M. QUIGLEY,
THOS. J. MURPHY,
JOHN. LANE, Junior,
MICHAEL QUIGLEY,
JOHN FLANAGAN,
JOHN ROSE, Commissioner,
T. TRUDEAU, Secretary,
J. B. C. HÉBERT, N. P.
J. PETITCLERC. N.P.

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