

1900.189

M. J. H. B. Whitney & R. B. Cooley

The undersigned propose to furnish architectural services for your

Library Building

to be situated

Granville Mass.

at following rates:

For Full Professional Services (including Supervision) 5 per cent. upon the cost of the work.

For Partial Services as follows:

Preliminary Studies,	1 per cent.
Preliminary Studies, General Drawings and Specifications,	2 1/2 "
Detail Drawings,	1 "
Supervision,	1 1/2 "

After Drawings and Specifications have been accepted, any changes requiring additional Drawings or Specifications will be charged extra.

All Drawings and Specifications are simply instruments of service and are to remain the property of the Architect.

The above charges are based upon the entire cost of your building when completed, including heating, mantels and other fixtures necessary to render the same fit for occupation.

Until an actual estimate is received, the charges to be based upon the proposed cost of the work, and payments received as installments of the entire fee, which will be based upon the actual cost.

In case of abandonment of the work, the charges to be based upon the lowest responsible bid.

Payments are due successively as the work is completed in the order of the above classification.

Traveling expenses extra.

Should a clerk of works be desired, his salary will be extra.

None of the charges above enumerated cover professional or legal services connected with negotiations for site, disputed party walls, right of light, measurement of work or services incidental to arrangements consequent upon the failure of Contractors during the performance of the work; when such services become necessary they shall be charged for according to the time and trouble involved.

Gardner Payne Gardner

The above proposal is hereby accepted:

S P E C I F I C A T I O N S

for the

ERECTION and COMPLETION

of a

L I B R A R Y

at

GRANVILLE, MASS.

Gardner, Pyne & Gardner, Architects,

33 Lyman Street,

Springfield, Mass.

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Specifications for the materials to be furnished and the labor to be performed in the erection and completion of a Library to be built in Granville, Mass., for Mr. M. B. Whitney and R. B. Cooley, Owners, according to the plans, specifications and detail drawings as prepared by

Gardner, Pyne & Gardner, Architects,
33 Lyman St.,
Springfield, Mass.

GENERAL CONDITIONS.

The Contractor is to furnish all materials and perform all labor necessary for the completion and execution of everything shown or reasonably implied in the drawings and specifications for his part of the work, including all transportation, scaffolding, apparatus, and utensils requisite for the same. Unless otherwise specified, all materials are to be new and the best of their respective kinds, and all workmanship to be of the best quality.

The Owners, Architects, or the authorized representative of either, are to have access to the work at all reasonable times, and all is to be entirely under their control, and they may require the dismissal of such workmen as are deemed incompetent, objectionable, or careless, and the removal from the premises of any objectionable materials. The Contractor is also, at his own cost, to amend and ~~good~~^{make} good any defects, set-

lements or shrinkage, or other faults in the work arising from defective or improper materials or workmanship which may appear within twelve months after the completion of the building. He is to clear away from time to time the dirt and rubbish and is to cover and protect his work and materials from all damage, and deliver to the Owners the whole clean and in perfect condition. The Contractor is to be responsible for all damage, injury, or delay caused to any person or the property of the public by himself or men, whether in contract or extra work.

The Contractor is to do all cutting and patching for all other craftsmen.

The Owners will, at all times during the progress of the work, keep the building fully insured against loss by fire, and pay the premium for the same for the benefit of whom it may concern.

On the award of the contract, the Contractor is to furnish the Architects an itemized ~~statement~~ estimate of the materials and labor for their use in making out the certificates of payment. Twenty per cent. (20%) is to be reserved until 35 days after the completion of the work.

The work is to progress as rapidly as consistent with good work and be completed within 130 days from the signing of the contract.

On the award of the contract, if requested to do so, the Contractor is to execute a bond satisfactory to the Owners. Where a given sum is specified for the Contractor to allow and pay, he is to include the full amount in his estimate, and the Owners shall be at liberty to furnish the same, deducting ^{from} the amount of the contract the whole sum.

DRAWINGS .

The dimensions and construction of the building and its various parts are to be taken from the plans and drawings furnished, and these are intended to co-operate with these specifications, so that any work shown on the drawings and not mentioned in these specifications, or vice versa, is to be executed the same as if fully set forth and described in both unless otherwise excluded in the contract.

The plumbing pipes and fixtures and the heating apparatus are not to be included in this contract.

The largest sized drawings of any part must be followed and figures must be preferred to measurements by scale.

Verify all schedules of quantities in these specifications and the figures and dimensions on all drawings before using plans.

The drawings, printed copies, and specifications are the property of the Architects; they are to be used for this building only and are returnable to them on completion of the work, and there must be no deviation from them without the approval of the Architects. A complete set of the general drawings, details and specifications, are to be kept at the building at all times during the progress of the work.

SURVEY.

The Contractor is to accurately locate and stake out the building upon the site as determined by the Architects, firmly brace and stay all guides and batter boards, and occasionally verify the same.

WATER.

An old well is on the site, from which the Contractor will draw water for building purposes.

HEATING.

The Owners will put in the steam heating apparatus, but the Contractor for the general work is to build all flues and chimneys as directed or shown.

The necessary heat, fuel, and attendance required for drying out the building or for warmth in cold weather, will be furnished by the general Contractor, and he is to be responsible for the use and care of the apparatus.

EXCAVATING and GRADING.

Excavate for cellar under the entire building to the required depth, as shown on drawings, and for the walls, footings and piers, so that the main cellar will finish 8'-6" in the clear. The excavations for main walls to be about 18" larger all around than the exterior of the buildings. Any of the earth not ^{needed} ~~used~~ for filling in around the buildings for giving the required finished grade, is to belong to the Contractor and he is to remove the same from the premises; ~~this~~ ^{it} is to be distributed about the buildings so far as it will go, ~~and any additional filling in with earth to give the finished grade will be furnished by him.~~ ^{out to 10' 0" from building} Keep the loam by itself, which is to be deposited about the buildings by the Contractor,

the loam being put on top of the other sand or earth, making a finished grade. Where there are to be walks, omit the loam.

Excavate for all drains and pipes in the cellar and out to "X", and carefully fill in around the same, the trenches being dug to a uniform grade and care being taken that no walls or piers are undermined.

Consult with the Plumber and Heating Contractor and ascertain the true grade for all pipes or drains.

The Owners will furnish and lay the walks to the building.

In case any insecure ground is discovered unsuitable to sustain the building, the Architects are to be notified, and in no case is the building to be started on insecure ground.

Fill in around the exterior walls within 8" of the top of the finished grade with sand or gravel, and above this point with loam.

FOUNDATION.

The Contractor is to use quarried rubble stone for all footings and for the exterior foundation walls up to the finished grade, laid and bedded in cement mortar and thoroughly bonded and pointed up on the outside and inside smoothly.

Above the finished grade, the visible outside walls are to be laid with selected field stones; the jambs of dark red brick in mortar, and the stones pointed in Portland cement mortar.

Footings for cross or partition walls are to be of stone or concrete 16" wide, 6" thick.

B R I C K W O R K .

The foundation walls are to be slushed full and laid with cement mortar; joints in partition walls struck smoothly.

Lay the brick walls solid and slush in solid with brick and mortar on the corners and around all basement frames.

The exterior visible brick walls and reveals above water table are to be laid up with first quality Eastern Hydraulic Brick Co.'s buff brick shade No. 210 in colored mortar; those on tower to a radius of 5'-10". The ends of all these bricks to be same color as face for all reveals. See drawings for the thickness and depth of all walls. The gable walls are to be 10" thick.

All brick work must be laid level, plumb and true to a line by experienced workmen.

All outside walls above grade must be laid from staging and scaffolding on the outside; none of them to be laid overhand and avoid all putlog openings.

All common brick used are to be good and hard burned; acceptable to the Architects; no soft or salmon brick will be allowed on the premises.

All outside walls are to be laid with 2" air space, bonded together every seventh course with King's Wall Ties, laid on every brick every seventh course, or use 10" long bricks

dipped in coal tar and sanded, every fourth brick^{and} seventh course. This air space is to be kept clean and beside all frames the walls and piers are to be laid solid and slushed with mortar, and the solid part of the hollow walls. Address J. S. Sanderson, Springfield, Mass. for ~~these~~^{wall} ties.

Brace and secure walls wherever directed, and guard against damaging any of the masonry in filling in or setting timbers or frames, and repair any work that is damaged. Do not brick solid around large timbers; leave 1/2" air space around them.

The mason is to protect all exposed exterior brick, terra cotta and stone work from damage or injury, leave or cut openings for the passage of pipes or wires, ducts or flues and do all cutting, filling in, or patching in the brick work where directed for the same.

Build in all wood blocks, strips, grounds, etc. as the Carpenter furnishes and as he directs, also iron plates, lintels, I beams, anchors, rods, bolts, and all iron work that is necessary or as shown on the drawings. Build fire place flues as shown, laid up with brick well bedded in mortar and the joints slushed full with mortar, and the joints inside of the flue struck with a jointer and brushed out clean as the same is carried up.

Turn a 12" two ring circular opening just under the timber in basement for smoke pipe entrance.

All common bricks must be slightly wet in dry weather and no brick are to be laid in freezing weather.

See the detail drawings of the window and door frames and note the manner of setting ~~and~~ the I beams and lintels, etc.

Do not remove centers for arches until mortar is hard set or until directed to remove them.

Level up all beams, joist and timbers with pieces of slate. See that all girders and beams bear firmly on the center of the walls. No wood blocks to be used for this work. Build brick walls around all hand holes for pipes or valves, and cover over same with a square cast iron 5/8" cover. The same are indicated by H. H. on basement plan.

Build hatchway as shown.

Clean down all exterior visible brick work with diluted muriatic acid or other approved cleansing fluid, and wash and scrub them with clean water; Use care not to coat or drop it on the stone or terra cotta and wash and clean down the stone and terra cotta work with clean water.

Furnish and set all stone and terra cotta well bedded and the joints filled full of cement mortar, within 3/4" of the face for pointing.

Point up all joints in stone work with LaFarge's cement pointing mortar properly colored, forming a solid water tight joint, and bed and lay in full joints all stone; no other kind of cement to be used for stone.

FIRE STOP.

Fill in with bricks and mortar, bricks to be set edgewise between the studding, the cross partition up to the roof boards and the partition surrounding W. C. to ceiling.

Fill in solid around all vertical pipes, where they pass through floors, and with mortar between furrings at floors and once intermediately. Tin over with bright tin around floor beams and under side of plank to a space about 12'-0" x 15'-0" over boilers.

CONCRETE.

After pipes and drains are laid in the cellar, level off the same, cover with 4" of sand, tamp down same thoroughly and lay over cellar in north end of building and lobby a floor of 2 1/2" thick Rosendale Cement concrete. Before it has quite set, scratch same if necessary, and float over boiler and fuel room Portland Cement concrete 3/4" thick. The Rosendale Cement concrete to be in the proportion of three of sand to one of cement and the Portland of two of sand to one of cement.

Turn 8" brick arches between I beams in loggia floor laid in cement mortar. Fill in the haunches with concrete. The floor is to be made to pitch at least 1" towards the steps

Cover over the present well with a large flat smooth stone, cut to receive a pump. In kitchen, lobby, and ladies' toilet room bed in 2" x 4" chestnut sleepers 12" on centers for wood floor nailings.

TILE.

Furnish and set tile for loggia floor and hearths selected by Architects. These to be estimated at \$90.00,

exclusive of setting, which is to be done by Contractor.
Tiles to be well soaked and bedded in Portland Cement.

TERRA COTTA.

The portions designed to be of terra cotta are so marked on the elevations. The same is to be thoroughly hard burned, of uniform ^{brownstone} ~~chalk white~~ color, resembling as closely as possible the sample in the office of the Architects. The Contractor is to furnish the parties that make the terra cotta with a sample; said parties to furnish photograph of the modelling and a setting plan, and number pieces correspondingly, and all are to be bedded in the wall the full amount of the projection, in no case less than 4". When the same is to be set, all the spaces are to be filled and slushed in full with bricks and mortar, and all joints thoroughly bedded in mortar and tied firmly to the brick backing using metal ties where necessary and set by skillful workmen. The terra cotta must be made by parties acceptable to the Architects.

FIRE PLACES.

Build fire places as shown. The visible sides, backs, and jambs and under fire, also flat arches 16" high (these bricks being ground to the required radius) are to be laid up with brick like the exterior.

Furnish and lay in two No. 705 48" Murdock's Perfect Fire Place throats, and ~~one~~^{two} tilting ash pit dump and ~~one~~^{two} ash pit clean out doors.

Build foundation for tile of bricks and concrete - 4" thick.

Build boiler flue as shown lined with 13" x 13" terra cotta flue lining from cellar to top of chimney.

WHITEWASH.

Whitewash the visible interior basement walls with one good coat of whitewash that will not rub off.

MORTAR.

Mortar for all masonry below water table is to be composed of one barrel of Rosendale Cement to two barrels of clean sharp sand mixed in a proper manner. Unless otherwise specified, elsewhere the mortar for all masonry is to be composed of one barrel of cement to one-half barrel of lime and a suitable amount of the same kind of sand to make a strong mortar.

Use only Alpha or Atlas fresh Portland Cement where Portland Cement is specified for mortar or concrete and only freshly ground Rosendale Cement and Pollett's lime except where

otherwise specified. The cement is not to be added until the mortar is ready to be tempered up and carried on to the building, and no mortar that has set is to be retempered and used, and the lime is to be slacked and stacked up not less than four days before adding the cement.

Use LaFarge's cement for setting dressed stone and terra cotta, using only sufficient clean sharp sand to make a strong mortar acceptable to the Architects. All chimneys and flues above the roof are to be laid up in Portland Cement mortar, using one part of cement to two of sand and no lime. All visible exterior mortar is to be colored as directed, using Ricketson's or other coloring material approved by the Architects.

STONE WORK.

Furnish and set all stone as per drawings and details. The portions designed to be stone are so marked on the elevations. The water table, basement window caps, and all stone work above water table, unless otherwise specified, is to be light colored Longmeadow brown stone like sample in office of Architects, all fine crandalled, worked and molded in full accordance with the drawings furnished.

GRANITE.

Outside door sills, front steps, and buttresses, and basement window sills are to be of 6 cut granite or sawed Westfield marble. Basement steps, marble or granite, pointed. Coping the same. Columns of polished granite.

All windows above basement are to have 8" reveals and the stone cut accordingly. Basement reveals to be 6" at the top.

Do all cutting and fitting, drilling and jointing and back jointing necessary for the stone work. Detail drawings will be furnished and the whole is to correspond with the same.

The capitals and impost caps are to be carved by a skilled carver. They are Longmeadow stone. All stone work must be cut to conform to the lay of the bricks used. Ascertain from the mason these dimensions before cutting stone and vary dimensions given on drawings accordingly.

The coping over flues to be 8" x 10" stock bevelled as shown. Gable copings to be clamped together with iron clamps and anchored into walls.

Furnish and allow, and pay & set in position, two polished Granite Col. and cut bases, at a cost not exceeding \$85.00, f. o. b., Westfield, Mass.

LATH and PLASTERING.

Lath all ceilings and all furred and stud walls with best sawn green spruce lath, breaking joints every six lath, well nailed with cut lath nails and spaced a proper distance to give a good clinch to the mortar.

The portions to be plastered are the walls, partitions, and ceilings of the first story, two coats; on lathed walls three coats on brick walls.

All plastering is to extend to the floors and to be brought well up to the grounds, which are to be $5/8$ " thick on all brick walls and on the stud walls and partitions $7/8$ " thick.

Straighten the plastering with long straight edges. All plastering is to be straight and true.

The first and second coat on brick walls, and the first coat on lathing, to be a well haired, ^{brown} mortar. The last coat throughout on brick walls and lathed portions, is to be composed of lime putty and clean sharp beach sand, and left under a carpet-covered or cork float, forming a true, even, rough, sand finish.

Do all patching and repairing to the work.

On completion of the building, sweep the floors clean and leave all broom clean, ready for the inside finish.

Guard against the too rapid drying or freezing of the work.

Furnish and put up, and keep in repair and in position, heavy cloth screens fastened on frames which are to be secured to the windows. The sashes are not to be fitted until the plastering is dry.

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Mortar for plastering is to be composed of Follett's or Farnham's lime and a suitable amount of long, strong, cattle (or goat) hair and clean, sharp sand mixed in proper proportion to make a strong mortar acceptable to the Architects. The hair is not to be mixed with the lime until it is cool enough to bear the hand, and is to be mixed and stacked up at least four days before it is used.

In case any of the mortar that is mixed becomes frozen after it has been put on the wall, the Contractor is to remove and replace the same in a proper manner; and the entire work is to be left on completion without cracks, checks, fine cracks, or pit marks.

The Contractor is to allow and pay, mix and apply in accordance with the maker's directions, mortar stains for the walls and ceilings costing \$10.00, to be mixed in the last coat of mortar.

CARPENTER WORK.

The Carpenter is to do all cutting and patching and all the wood work for other craftsmen, that is herein specified. Box in or case around all plumbing pipes, making the same easily accessible, the outer case being put on with screws. Put down floors with screws over the traps and pipes of the plumbing work. Provide and put up the necessary wood strips and blocks ~~scissors~~, finished where the rooms are finished, for sustaining runs of pipes or traps.

Furnish and lay in all wood grounds and blocks for securing finish.

Furnish and set all lintels and centers and formers for the Mason.

NAILS.

Use only steel cut spikes and nails for all exterior and interior wood work, and the nails in all finished work are to be set for puttying.

IRON WORK.

The Contractor is to furnish and set all structural iron work, painted one coat,--such as steel I beams, plates, bars, bolts, rods,

3 6" I beams, 6'-6" long;

2 6" 1 channel beams, 6'-6" long with 4 1" strain-
ing rods, 4'-10" long;

30 3/4" bolts for roof plates, 2'-6" long;

- 30 1/4" x 1-1/2" anchors 2'8" long;
- 4" I beam lintels over all windows and doors where shown, 1'-6" longer than the sashes are wide;
- 6 3/4" anchors for stone coping, 2'-6" long.

FRAME.

Except where otherwise specified, furnish and construct the frame of sound, straight-grained, sawed to full dimensions, square-edged spruce, hemlock, ^{oak} or chestnut framing timber (the Contractor to have the choice of the kind of timber), unless otherwise specified or marked on the drawings. All is to be sound, free from shakes, bark, or large knots. All joists in the attic and roof plates are to be anchored to the walls with iron bolts and anchors not less than 8'-0" apart. (See the framing plans for all sizes, distance apart, and the method of framing).

Double and spike together all joist and studs around all openings. Spike the joists together where they pass.

The floor of the Library is to be mill construction of 10" x 14" dressed, sound, ^{oak or chestnut} ~~Georgia pine~~ beams.

Have the Mason leave 1/2" air space around the beam ends where they are laid in the masonry.

All joist must be set level, even and true, using long straight edges for levelling up, and bear solid at the ends. All timbers are to be framed and put together according to the framing plans which show the sizes of timber and method of framing.

All joists and beams to bear 8", 6" or 4" on the walls as shown on framing plans, and the ends to be sawed off on a bevel; the top of the bevel coming on a line with the face of the wall.

Frame and construct the trusses as shown on drawings with all the rods and bolts of the sizes shown. See that all bolts are tightly screwed up on the completion of the work.

Wall plate, 3" x 12".

Three stair carriages 3" x 10".

Studding 2" x 4" and 2" x 6", 16" O. C.

1st story joist, 2" x 12", and 3" x 12", 16" O. C.

2nd story joist, 2" x 6", 16" O. C.

1st story girders, 10" x 12"; where there is mill floor,
10" x 14".

Where necessary, cut in headers and trimmers and frame around windows, fire-places, and stairs.

Rafters, 2" x 6";

Hips & Valleys, 2" x 10".

Timbers not shown or specified to correspond with those which are.

BRIDGING.

Bridge all floor joists with 1-1/2" x 2-1/2" X bridging, nailed twice at each end, as shown on framing plans.

Bridge all stud partitions with 2" x 4"'s and 6"'s cut in herringbone and well nailed.

FURRING.

Furr the ceilings of first story with 1" x 2" stock spaced 12" O. C. All level and true and firmly nailed to receive the lath.

Furr for arches and beams where same are marked on floor plans, as per detail.

Furr brick walls of Library with the same strips 16" on centers.

Furr down toilet room ceiling to 8" above top of window.

ROOF BOARDS.

Board the roof with 1" ~~shingling~~ shingling strips 4" wide. All to be spaced for shingles, well nailed to each bearing. Break joints every six boards.

SCUTTLE.

Frame for a scuttle from toilet room to ceiling above, with cover hinged at one side, 2'-0" x 2'-6", and make a suitable frame and cover.

LINING FLOORS.

The lining floor of Library is to be of 3" thick dressed, matched, ~~N. C. or Norway pine~~ ^{hemlock or chestnut}, laid close and well nailed. Elsewhere throughout the first floor, lay lining floor of 1" thick dressed hemlock boards laid diagonally,

close, and well nailed three times to each bearing. Cut in 2" x 4"'s between the joists to receive the ends of the boards.

Repair all lining floor and make solid before plastering.

PAPER.

Between the lining and finished floors in the first story, lay one thickness of paper like that shown in the Architects' office, 1/16" thick; a strip 9" wide of the paper is to be turned up 4" under all baseboards, around all rooms.

Lay one thickness of heavy tarred paper over the chestnut sleepers in the basement.

OUTSIDE FINISH.

The outside finish throughout is to be of Michigan sound white pine stock; the visible portions are to be clear, without knots, sap, or shakes, all thoroughly seasoned and put up in the most thorough and workmanlike manner, and all in full accordance with the detail drawings, firmly nailed and the nails set for puttying.

The cornice is to be made of 1-3/4" stock for the crown mold, 7/8" for the fascia, and 7/8" for the planceer. 5" bed mold. Thoroughly seasoned dry cypress may be used for outside finishing stock if preferred by the Contractor.

Sheathe the ceiling of the loggia with 7/8" x 2" matched and beaded clear N. C. pine sheathing laid close, paneled as by detail.

SHINGLES.

Shingle the roofs with the best quality of sawn White Cedar, Clear, 18" Shingles, laid 5" to the weather and well nailed. Line the valleys and cover crickets with C. C. L. tin, both sides painted. Flash and cap flash all exposed situations. Make all tight, and guarantee the roof, and all joinings not to leak for two years from the completion of the building. The Shingles are to be dipped 10" up from the butts in Cabot's Creosote stain, color selected by Architects, costing .60 a gallon.

Make ridge of wood, carved ends as shown.

Furnish and set two galvanized iron and zinc finials, and allow and pay \$25.00 for same; design selected by the Architects.

FRAMES.

They are to be made of the sizes of the sashes and doors figured on plans and elevations, and according to the full size detail drawings. Single casement window frames 1 3/4" stock. All other window frames are to be of 7/8" White Pine stock, the pulley stiles and parting strips of clear heart N. C. Pine; pulley stiles 7/8" thick; sills of 2" stock, pockets to frames to be long; provided with 2 1/2" grooved pulleys, with steel axles hung with No. 10 braided sash cord and with cast iron weights exactly balancing the sashes.

All door frames are to correspond with the finish of rooms, and all of 1 3/4" stock rebated for doors, 1 3/4" thick, except exterior doors, which are to be 2 1/4" thick. They are to be dowelled into the stone sills and anchored into the brick work with iron dowels and anchors. The openings for fresh air supplies are to be covered on the exterior with 1/2" mesh No. 14 galvanized iron wire. The Ga. pine pulley stiles are to be oiled with one coat of linseed oil, and the other portions of the entire outside window frames are to be primed all over before delivery at the building. And all visible portions of clear, sound, dry, white pine stock, smoothly worked and nailed together with cut nails. The outside door frame for basement is to be of pine for painting.

SASHES.

Furnish, fit, glaze and hang sashes of the sizes given on elevations; they are to be kiln-dried, first quality, clear, white pine or cypress, - Acorn Lip sashes; Those for double casements are to be hung with weights exactly balancing the sashes and provided with locks, lifts and pulls, using flush lifts two for each sash, locks, and sunk pulls; single casement sash to be hinged at the top and provided with fasteners. All sashes are to be 1 3/4" thick glazed with best quality polished plate glass, except rear of Amusement room and basement, which are to be of double thick American sheet glass of an even thickness.

*Glaze sash in basement
toilet rooms with ground glass.*

Transoms and windows where leaded glass is indicated are to be glazed with "Art glass", for which the Contractor is to allow and pay \$150.00, not including the transportation, and boxing of sashes, to the parties who are to furnish same. The Contractor to pay these charges and fit and put same in place.

All glass to be bradded, back puttied and putty set, and the windows are not to be fitted nor hung until the plastering is thoroughly dry and all to be primed over before the glass is set.

Sashes, glass and frames in circular tower are to be curved to the required radius.

INSIDE FINISH.

Unless otherwise specified all finish throughout is to be of the thickness, style and construction shown on the sections and detail drawings and to be ^{of the best quality of sound, clear,} quartered white oak in Hall and Library; elsewhere ^{cypress} all thoroughly kiln-dried and all to be finished natural and without paint.

None of the finish is to be put up until the plastering is thoroughly dry, and heat is in the building. Where possible cope all moldings together and all coped and mitered joints are to be glued together and well nailed. All finish is to be smoothly sand-papered the way of the grain, and hand smoothed.

Make provision in all masonry for securing finish by placing proper grounds and lookouts laid in the masonry and their position noted.

Do all cutting in wood work connected with the heating, plumbing and gas piping. Furnish 1 1/2" x 4" molded cleats and supports for wash bowls with a 4" wide apron across the front. The water closet seats and cisterns will be provided by the plumber but the carpenter is to case and make supports and secure the same.

TRIM.

Case and trim all openings. Hall trim to be 1 3/4 x 6"; all other portions above basement will have molded 7/8" x 6" casings, with corner blocks; and plinths for doors 1 1/8" thick, corner blocks molded. The top stops for the windows are to extend to the inside of the top sash and all stops 1/2" thick molded. Cover the visible portions of rough frames with dressed stock as shown on details.

Flexifold doors where shown are to be cased with 7/8" stock molded, and fluted, ^{or panelled} furred 3" with molded caps and bases. Beams in Library ceiling are to be cased 8" x 10" ^{with} beams ~~with~~ bed molding in angles of ceiling. All as per details.
Pilasters in library of 7/8" stock as per detail.

FINISHED FLOORS.

Repair and make firm and solid all lining floors. Put down the paper as elsewhere specified. Throughout the

first floor and basement as specified lay a finished floor of kiln-dried, evenly matched 7/8" thick, 3" face, sound, clear, uniform, dark colored rift N. C. or Ala. pine flooring, blind nailed to every bearing, laid crosswise of the joist. Smooth off, scrape and sand-paper all finished floors after laying. The finished floors are to be cut in between base boards and they must be kept clean and protected after they are laid, by covering with paper.

STAIRS.

Build the stairs as shown on plans, strongly supported on three 3 x 10" dressed dry spruce carriages. The treads are to be of clear N. C. pine, all heart, 1 3/4" thick thoroughly seasoned and kiln-dried, the risers of 7/8" thick Cypress.

DOORS.

The doors are to be fitted and hung of the sizes marked on the plans. They are to be sunk molding, five ~~raised~~ horizontal bevelled, ~~the~~ raised panelled veneered doors, the ^{same as finish of rooms into which they open, and} stock of the same kind and quality as specified for inside finish, blind tenoned, except in the basement where they are to be solid white pine doors, painted.

Front Doors shown as having transoms ~~as shown on plans~~

~~the glass are~~^{is} to have 1-3/4" thick transom sash, glazed with Art glass, hinged at the bottom and provided with transom fixtures,^{and chain,} ~~The transoms over outside doors secured with chains.~~

Doors marked or shown to have glass are to be glazed with plate glass, all firmly set, except^{front} outside doors which are to be glazed with Art glass.

The Contractor to allow and pay the sum of \$275.00 for the Flexifold doors ready to set up f. o. b. Westfield, from the Flexifold Door & Shutter Co., Worcester, Mass.

Put rubber tipped door strikers behind all doors that swing. Put 5/8" thresholds of birch full width of the jambs under all inside doors.

TOILET ROOMS.

Enclose Men's Toilet with 7/8" N. C. Pine Sheathing Partition extending from floor to ceiling. Inside short partition, firmly secured, of 7/8" stock, 7'-0" high, with 5" capping,^{door} 2-4 x 6-6 x 1-1/4"---4 panelled pine. The toilet room door cased and trimmed.

Put 7/8" x 4" hanging strips in toilet rooms. Fit up the kitchen sink with a wide shelf and apron as indicated, of 7/8" white wood stock, also 75 sq. ft. of plain shelving as directed.

TANK.

Build a tank in attic 3'-0" x 6'-0" x 3'-0" high of 2" dressed cypress plank and yoked together with four 3/4 rods, and supported upon 6" x 10" sleepers. This tank will be lined with tinned copper by the plumber.

BASEBOARDS .

Baseboards throughout finished rooms are to be 7/8" stock, 9" high with molded cap, firmly nailed. The bases to be put on before the floors are laid. Baseboards in closet will be 7" high bevelled top.

MANTELS.

Allow and pay the sum of \$150 (exclusive of setting) for two mantels. The same are to be quartered oak and set by the Contractor.

WAINSCOT.

Hall is to be wainscoted to the height of 4'-6" with sunk molded panelled wainscot, two panels high; capping 1-3/4" x 5". All as per detail.

~~CABINET.~~

~~In Library, build a cabinet where shown with sunk two panelled doors 1-1/4" thick, ^{wood}movable 7/8" shelves. The end~~

~~panelled, back sheathed, and a frieze and cornice around the top; the whole to be about 2'-0" high, as per detail. Shelves to be of white wood, with all unpeeled faces.~~

Cupboard from Amusement Room will be fitted with panelled doors and have shelves as marked.

Book cases as marked on plans will not be included in this contract.

SEATS.

Build seats where shown, the face panelled, hinged covers where indicated, and all 20" wide; flush glancing backs of vertical sheathing, all as per details, of 7/8" thick stock, *except seats, which will be 1 1/8" thick. omit all, except circular seat in tower.*

PAINTING.

Prime and putty stop all visible wood work; all window frames are to be primed all over before delivery at the building, the pulley stiles and parting strips being oiled and the shingles dipped as specified.

All visible metal work, except the galvanized iron heating ducts and heating apparatus, to be painted three coats.

The Loggia, ceiling, and wood work around plumbing fixtures in basement are to have three coats of Outside Vitaline.

Prime all exterior wood work as soon as it is put up with Yellow Ochre and raw Linseed Oil and in addition apply two good coats of paint, colors selected by the Architects.

All sashes outside are to be painted three coats; the inside to have three coats of Vitaline.

Unless otherwise specified, the visible ^{finished} wood work in the basement is to be painted three good coats of paint.

All paint is to be the best quality white lead and linseed oil paint, and applied when the wood work is thoroughly dry, and previously thoroughly cleaned, and sandpapered smooth.

The interior wood work is to be smoothly sandpapered with the grain of the wood, and then apply one coat of white shellac dissolved in Proof Alcohol, and then apply three coats of Bigelow Varnish Co.'s Vitaline, rubbed down to a dull egg-shell gloss with haircloth and oil.

The oak is to have one coat of Wheeler's Patent Filler before applying the shellac or Vitaline.

Stair treads and risers are to be treated in a manner

corresponding to the rest of the finish.

All floors are to be smoothly scraped and sandpapered and left perfectly clean, then waxed three coats and rubbed with a floor rubbing weight and left highly polished. Leave the weight and a can of the preparation with the Owners.

Varnish the interior of the wood work in the cabinets and drawers and both sides of all shelves throughout, with two coats of varnish.

The outside of outside doors are to have three coats of Outside Vitaline.

The Flexifold doors will come all finished.

GAS PIPING .

Pipe the building for gas with outlets as marked on the plans, all to be in accordance with the Gilbert & Barker Co.'s regulations which are appended hereto, and all firmly braced and stayed.

The system of piping must be tested before lathing and after plastering and left perfectly tight.

Start from the point where the gas machine is to be placed and bring the main into the building, and attach a shut-off cock. All outlets to project uniformly 1" from the face of the plastering, and tightly capped and all pipes above the basement are to be concealed. Side outlets are to be 5'-0" high.

The location and hight of outlets is to be changed as the Owners desire before the work is begun.

HARDWARE.

The Contractor is to allow and pay the sum of \$50.00, dealer's price to the Contractor, for ~~all hardware and~~ trimmings of doors and windows, coat and hat hooks, ^{and} cabinet hardware as selected by the Architects, with all accompanying screws, and Contractor is to fit and apply same in a thorough and workmanlike manner.