

1964

THE S I S .

Subject

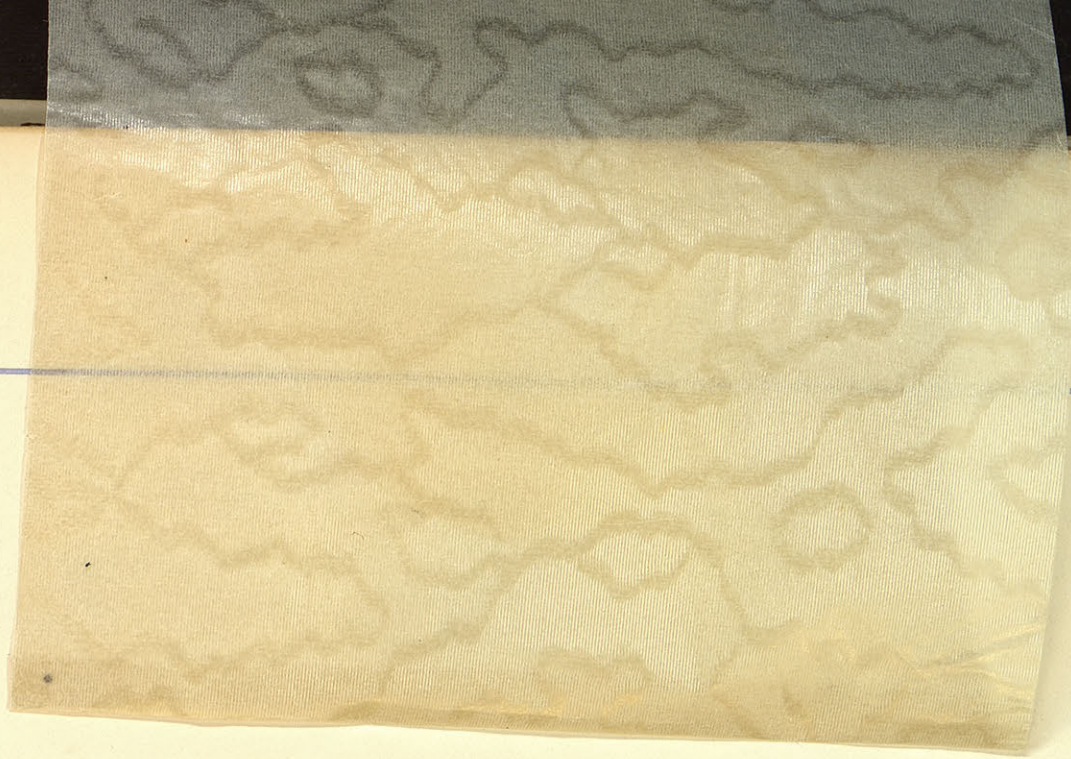
F R E E P U B L I C L I B R A R Y

for

G R E A T B E N D , K A N S A S .

H. C. Spuhler,

ARCHITECT STUDENT, CLASS 1906.



SPECIFICATIONS.

Specifications of material and labor required for the erection of a Library building to be built in Great Bend, Kansas, for the citizens thereof, who will be represented by a Library Board, or agent, transacting business and the building operation for them. Said Library is to be built according to plans, drawings, details and specifications prepared for same by Henry A. Spuhler, Architect, Manhattan, Kansas.

These plans, etc., referred to herein, consist of the following drawings, all drawn to a scale of 1/8 inch to one foot, except where otherwise stated:

- No.1, Plate of front elevation,
- No.2, " " side "
- No.3, Plan of basement,
- No.4, Plan of first floor,
- No.5, " " second "
- No.6, Longitudinal Section,
- No.7, Plate of side elevation,
- No.8, " " rear elevation,
- No.9, " " details of entablature,
- No.10, " " " for construction,
- No.11, " " " of roof truss and capital,
- No.12, " " " " interior finish and window frame.

The drawings, together with these specifications and oral directions from the Architect or Superintendent, are intended to be sufficient for the necessary guidance to the furnishing of material to be used, and the required work to be done in the construction and completion of the aforesaid building.

DUTIES OF THE CONTRACTOR.

He shall be held strictly to execute such work and to use such materials as hereinafter described, and in all cases where the drawings are figured, the figure must be taken by him as the given dimensions, without reference to what they measure according to scale. He will be further held to submit as to the character of the material used, and the work done, to the judgment of the superintendent, and to procure from him all necessary interpretation of the designs and plan and all necessary certificates regarding his payments on the contract; also for all additions or deductions which may result from changes of designs or plans.

All payments made on work during its progress, on account of the contract or extra work, shall in no case be construed as an acceptance of work executed; but the contractor shall be liable to all the conditions of the contract until the work is finished and accepted. The contractor must have some competent person on the work to receive instructions and see when his particular work is required - sub-contractors will not be recognized.

The contractor or his foreman being bound in all cases, to remove all improper work or material upon being directed so to do by the superintendent, at any time and at all times within forty-eight hours after receiving written notice to that effect from the superintendent.

But if the contractor, after having been directed as above to remove the same, would refuse or neglect so to do, he shall not only suffer deduction from the contract price of the difference in value of proper and improper work and material, but shall also be liable for all damages of whatever nature or kind that may result from such cause. The above provisions to apply in the same way to all material or work used, made, or fixed, without the knowledge of the superintendent, and not approved by him. The Library Board, under the

direction of the superintendent, shall be at liberty, if in his judgment the cause requires, to replace the same and make good every part at cost of the contractor.

In case of delay by the contractor, in providing and delivering the required materials or in the advancement of the building or work, or of a deficiency of workmen, or for misconduct, inattention or inability, the Library Board shall be at liberty (after the superintendent has given to or left for the contractor or his foreman, three days' notice in writing) to provide, at the expense of the contractor, all such material and employ such number of workmen at such wages as the superintendent shall think proper, and the cost and charges incurred shall be retained out of the contract amount, and paid by a reservation from the estimates from time to time, or amounts thereof which may be due or recoverable, as liquidated damages.

The contractor will be required, in all cases, to use proper care and diligence in bracing and securing all parts of the work against wind storm, insomuch as they may interfere with the stability and perfection of the work; also in all cases, to judge as to the amount of diligence and care required for the same, and for the proper execution of the various constructions, and no excuse of ordinary care or quality of work will be allowed when the nature of the work required extra care.

The Library Board reserves the right, by conferring with the superintending Architect, to alter or modify the Plans and Specifications in any particular, and the Architect shall be at liberty to make any deviation in the construction, detail or execution, without in either case invalidating or rendering void the contract. And in case any such alterations shall increase or diminish the cost of doing the work, the amount to be allowed to the contractor or the Library Board shall be such as may be equitable and just.

Should any extra work or changes of the plan be required whereby the cost may be increased or diminished, all such changes must be determined and agreed upon before the change is made, and amount, whether an increase or decrease in cost, must be indorsed upon the back of the contract.

The Library Board has engaged Henry A. Spuhler as superintendent of the erection and completion of said building, his duties being faithfully to enforce all the conditions of the contract and to furnish all necessary drawings and information that are required to properly illustrate the design given, also to make estimates for the contractors of the amount due them on the contract, in no case estimating any materials or work which are objectionable or have not become permanent parts of the work, and when the building is completed, to issue a certificate to the contractor, which certificate, if unconditional, shall be an acceptance of the contract, and shall release him from all further responsibility on account of the work. The Library Board being bound in all cases to recognize the acts of the superintendent.

It is not incumbent upon the superintendent to notify the contractor to attend to, and have in readiness his own work, and the requisite materials, at such times as the progress of the building may require them. If the contractor does not attend to his part of the work, and have his portion of the materials and work in readiness as it may be wanted to work into the building, he will be held accountable for all delays and damages in consequence of such neglect.

All the Designs, Plans, Details, and Sections of each and every kind that the contractor may have received, must be preserved and returned to the Architect before the final certificate is given, and the Library Board or their legally authorized agent or agents, must be notified by the contractor that he is ready to have a settlement, so

that if the Library Board or parties in interest have any bills to file in or statements to make, they can do so before the superintendent, who will make final certificate or adjustment between the parties.

The superintendent's opinion, certificate, report and decision, on all matters to be binding and conclusive in all respects.

This building is to be erected of stone materials, on Lot No....., in the City of Greatbend, State of Kansas, and must be finished throughout as hereinafter described, and anything indicated by the drawings and not hereinafter particularly reserved or described, which is necessary to complete the Library, must be completely supplied and inserted. The work of the building is to be done at the cost of the contractor, notwithstanding such omission.

It is to be understood by the contractor that the building or work is entirely at his risk, until the same is accepted, and he will be held liable for its safety to the amount of money paid him by the Library Board on account of the same.

Each contractor is to co-operate with the other contractors on the building, so that as a whole the job shall be a complete and finished one of its kind, and shall arrange and carry on his work in such a manner that any of the cooperating contractors shall not be unnecessarily hindered or delayed in the progress of his work; and when his part of the work is finished, shall remove from the premises, or as directed, all tools, machinery, debris, etc., and (so far as he is concerned) leave the building and adjacent premises clear and free from all obstruction or hinderances.

The contractor must obtain all concession, permission, and will be held responsible for all violations of city ordinances, as regards the obstruction of street, either by tearing up the same, or the accumulation of materials and shall in all cases, repair and make

good any damage to the street that may be caused by any operation connected with the work; also as to damages to adjoining property, such as trees, etc., which must be made good, free from extra cost, erect proper barricades and keep lights at night on all obstructions or materials in the street. He shall hold the Library Board and city of Greatbend harmless for any damages or expense arising from neglect or accident on the part of himself or his men, and he will protect them against suit for infringement of any patent device he may use.

Grade Line.

The grade line is shown as approximately level on the elevation and it will be assumed to be about 12" above the grade of the streets at the property line as established by the city.

Excavation.

Excavate for the basement as indicated by drawings; all allowing 4" for finished basement floor. Further excavate for all footing, piers and areas as shown.

The excess in width of trenches shall be back-filled after walls are inspected and all surplus earth and rubbish will be hauled away.

Footings.

All walls where shown and the interior piers will have a double footing course of concrete, each 8" thick. The concrete must entirely fill the trenches in every case, whether the trenches are cut too wide or not, without additional expense to the Library Board.

If the trenches are wet, the bottom surface must be removed to hard material before concrete leveling is placed in position. Concrete to be composed of good, clean limestone, broken to the size of a two-inch cube, sharp sand, and Fort Scott cement, in the proportion of one part cement, two parts sand and five parts broken stone. The sand and cement will be mixed dry, then tempered with water, after which

the stone shall be thrown in and thoroughly coated by turning with shovel. Each batch to be mixed and put in place in quick time and rammed into position.

Foundation.

Properly lay up the foundation walls of good, flat building stone of fairly level beds; the same to be laid by and full to a line on both faces and to be flushed and pointed. Through stone bonds to be incorporated every 4'0" horizontally and every 2'0" vertically. All outside walls below grade line to be laid in cement mortar composed of one part Fort Scott cement to three parts coarse, clean sand.

The backing of all face stone work shall conform to this specification for rubble, and particular attention must be paid to obtaining a comparatively even surface for all plastered surfaces. After foundation walls are dry, and well set, the outside of same in contact with earth to be plastered from footings to surface of ground with Portland cement not less than 1/2" thick, trowelled smooth, using one part cement and one part clean, sharp sand.

Cut Stone.

The exposed sides and front of the building from the grade line to the roof line to be laid up of coursed range work in thick and thin courses, of the best quarried lime stone, the thin course to form the bond. All stone work on these fronts must have hammer dressed level beds and vertical joints which shall not exceed 1/2" in thickness, and the stone must be boldly pitched faced.

The external face of walls not exposed to streets to be laid up of coursed range work of similar thickness, the joints being 3/4"; the stone being of regular run and need not be so boldly pitched faced.

The water-table to have a 45 degree wash, bush hammered or

crandled, carved column caps to be crandled and the front door and lobby sill and external steps to be finely bush hammered.

The column of entrance to be of the best Cottenwood Falls stone, in two pieces, the upper joint being false, and the lower joint being pivoted, the surface of column must be turned and fluted to conform to the detail as shown by Plate No.10, and be finely crandled with vertical lines.

All stone work above grade line to be laid in fat lime mortar, composed of not less than four bushels of Ash Grove lime to one yard of clean, coarse, sharp sand.

The joints of face stone work to be cleaned out to a depth of 3/4", and hollow pointed with a mortar composed of two of Iola cement, one of sand and one of lime.

Iron Work.

The character of the metal will be mild steel for the girders, and tough gray for cast work, which in regard to quality and workmanship shall be governed by the Manufacturer's standard specifications, making all the girders in first floor and stack room of size and weight necessary for their respective places.

All beams will be punched for anchors at the ends or connections to each other and coped.

Each I beam over boiler room will contain a 5/8" government anchor, and the beams will be tied together with 5/8" rods where required. Ends of beams will rest on cast iron plates of suitable sizes.

All structural iron will receive two coats of mineral paint.

Fire Proofing.

Segmental brick arches of 4" rowlock will be laid on the lower

flanges of the beams over the boiler room. The spandril filling will be of concrete brought to a level line and will be composed of one part Fort Scott cement, two parts of sand and four parts of cinders.

Dove tailed strips 2" X 3" will be set in concrete for the finished floor.

Cornice.

The main cornice with return and the parapet molding and main gable cornice and the hood at main entrance will be of No. 26 galvanized iron, made to form, strictly as shown by detail, with joints riveted and soldered together, the whole to form straight and continuous joints and lines with even corners. All plain surfaces over 4" wide will be crimped, except in soffits and on washes of cornices. The ornamental work at entrance hood will be stamped on zinc, and the dentils will be riveted and soldered to cornice. All iron work will be neatly executed and put on lookouts in a substantial and workmanlike manner.

Place down pipes of suitable sizes where required and make all connections necessary to enter the storm sewer. These pipes will be of No. 26 galvanized iron and secured in position by galvanized iron straps soldered to same and secured to wall every 5 feet in height.

Coal Chute.

Construct coal chute frame of 1/2" cast iron, with lug on one side to receive handle; frame to be secured to wall with 1/2" expansion bolts, three each side. Front and side of chute to be No. 8 steel, U.S. standard gauge. Top and bottom of front plate to be turned around 1/2" rods, bottom one forming hinges; each hinge being secured to frame with two 3/8" flathead stove bolts with nuts on upper side; holes for bolts to be countersunk for heads. Front edge of side plates to be bent at right angles and riveted to front plate

with 3/8" rivets; inner edge of plates to be braced across top with 1/4 X 2-1/2" bar to form stop. Front plate to have a hand pull riveted on, and one side to have weighted handle.

Columns.

All iron columns to be furnished and properly fixed in place where shown; to be cast iron of 3/4" metal. The ends of columns are to be planed true and smooth and rest at bottom on cast iron bevelled plates, 18 X 18 X 2-1/4 inches with flanges cast on upper side fitted internal diameter of column, and lug on bottom to let into cap of pier; plates under second floor girders to be 12 X 12 X 1-1/4 inches with flange cast on lower side.

Hardware.

The sum of one hundred dollars (\$100.00) must be allowed by the contractor in his estimate for furnishing door hardware which will be of approved design and selected by the Library Board, and hung by the contractor. This sum is exclusive of nails, screws, anchors, bolts, weights and pulleys, and must be sufficient and of good quality and will be furnished by the contractor.

Book Stacks.

The interior furniture and book stacks are not included in this contract.

Concrete Floors.

Entire basement floor (except the storage room) to be properly filled, graded and rolled to a smooth surface and laid with 3" of concrete, composed of one part best fresh Portland cement, four parts broken stone not larger than a two-inch cube, and two parts clean, sharp sand, mixed dry, after which water will be added and the mortar mixed to the proper consistency, then the stone will be dumped on top,

and the whole worked over into a uniform mass. This to be covered before the base is set, with one inch of top dressing composed of one part of best Portland cement and 1-1/2 parts clean, sharp sand, trowelled true and smooth.

The contractor to see that all plumbing, pipes, traps, etc., are in proper place before concreting the floor.

All floors including the finished coat, to be laid in strips about 3' wide leaving spaces between strips of same width; as soon as these strips have set, the alternate spaces to be filled in with concrete, making floor complete, this method is adopted so as to avoid walking on, or soiling base, which would prevent the finishing coat properly adhering.

All concrete floors to be marked off into blocks about 3' square, the joints to be cut through to top of base.

Tile Floor.

Lay the tile floor where shown, with mosaic style as hereinafter selected by the Library Board, consisting of a regular Vitreous Ceramic Tile laid on a flexible base with Plicaro Cement, placed on wooden sub-floor.

Tile Roof.

The entire roof will be laid with the best "A" Vitrified Interlocking, 9" X 16", roofing tile, manufactured by the Globe Roofing Tile Co. Put on neat hip finials and ridge rolls and in every respect make a good and substantial workmanlike job. None but expert tile layers will be permitted to carry out roofing work.

Build sky-light through roof, similar to Hayes patent, and glaze the same with 1/4" ribbed glass.

Lathing and Plastering.

Grounds will be put up by the carpenter and the plasterer will work to them. The basement (except store room) first and second floors will be plastered.

Lath with sound, white pine lath, 1/4" apart, all stud walls and 3/8" apart on ceilings. Securely nail to every bearing with solid corners and break joints every 18" on the run. Put on no vertical lath in corners to finish out.

Plaster with Acme Cement plaster put on according to the rules prescribed for the material, one coat on stone walls inside of basement dressing rooms, and two coats on lath. Rub hard to get a good key and finish brown coat to grounds with straight edge, making all surfaces even and angles and corners straight. Finish all except basement with a white coat of lime putty run off at least three weeks before use, sifted and trowelled down with brush and water.

The wainscoting will extend around vestibule and lobby and the main halls of both stories. It will be made of a hard plaster finish of approved brand, lined to imitate marble blocks. Supply iron lath over all soil pipe openings in wall. Do all necessary patching and clean up after it.

The ceiling of stack room to be lined with 1-1/4" scagliol with joints properly run with cement filling.

The entire basement, except storage room will have two good coats of brown plaster, and floated to a true surface.

Carpenter Work.

The carpenter will be required to do all work properly coming under this heading, furnishing centers, lookouts, grounds, cutting for plumbers and steam fitters, hardware, etc.

Trim around all flues and allow no woodwork to come within an

inch and a half of main flue.

The whole of the timber used throughout will be the best of their several kinds of Association measurements, sawed square, well seasoned and free from sap or other defects. The timbers not exposed to be of yellow pine; the timbers on exterior to be of select quality white pine or cypress.

All joists, trimmers, girders, studs, etc., must be prepared and planed according to plans and detail. Studs and joists to be sized and the joists crowned $1/30$ " per foot span, with a strong iron anchor at the end of every third joist, to secure masonry, and make a continuous tie through the building by spiking joist together.

Stud partitions will be of 2" X 4" or 2" X 6" stock, as shown, and will be braced twice in their height, and have double studs at openings trussed over and solid corners. No wall plates allowed. Headers and trimmers will be doubled and hung in stirrup irons.

Bridge joist 6' on centers with 1" X 3" stock, cut square instead of mitred. Set studs to line and have them plumb. All roofs will be covered with $7/8$ " ship-lap, No.2. The portico ceiling will be of $5/8$ " yellow pine matched ceiling.

Furring.

Fur all exterior stone walls where plastered with 1-1/4" X 3" strips, 16" on centers. Fur where necessary also, for doors and window finish, for all beams, projections; for plumber, plasterers, and for everything required to carry out the design. All furring strips on walls to be securely fastened to same with 20-penny nails driven into holes drilled into the wall.

Lookouts must be secured to structural work and put up to line, with gutters lined and graded. Fur down and around all beams and wherever else required.

Window Frames.

All window frames throughout, including basement, to be of sizes shown and figured on the drawings. All to be made of a selected quality of cypress, with stiles in one place, housed into heads and sills, and double hung with weights, and anti-friction pulleys, and strong sash cord. Window stops on inside to be put on with screws. Sash to be 1-3/4" of Northern White Pine, mortised and tremoned, wedged, glued, and pinned.

Doors.

The doors in the basement and the three outside doors of first floors will be of well seasoned white pine, and doors of first floor to be veneered with strips of red oak with solid oak panels, and stiles to have soft wood cores. All doors shall be put together, carefully, with concealed mortises wedged, glued and pinned. All doors of first floor to be flush mould, and those of basement and second floor, P.G. mould. Frames will be of 1-3/4" stock and of same wood as finish, all secured and dowelled, where in contact with masonry.

Floors.

The first and second floors shall be laid on construction floors, after plastering is finished, with best quality of vertical grain narrow yellow pine flooring. Floors to be deafened with two heavy layers of flooring felt.

Flag pole, as shown, is to be of Oregon fir, turned or worked by hand, true and straight and must have patent pulley and rope.

Finish.

The entire building will be furnished with trim as shown, except the coal-room and boiler-room. The window and door casings, jambs,

moldings, base, etc., throughout will be made in accordance with detail.

The windows generally will have casings of wood, and the doors will be cased as shown.

The intention is to have the basement and second floor finish of cypress, and the Librarian's office, and catalogue and toilet rooms on the main floor the same, and the entire first floor, the exposed finish in the rotunda, reading rooms and lobby will be of red oak. The rear stairway leading from first floor to basement and from first to second story will be of yellow pine, and the main stairway from first floor to second floor will be of red oak throughout.

All finish will be of clear stock, seasoned, kiln-dried, hand smoothed and put up with invisible nails on grounds.

Picture Molding.

Run a 2" picture mold around all principal rooms of the first and second floors, and 2" bed mold around ceiling of stack room, the same to be of the kind of wood specified for trim.

Stairs.

Stairs have generally been described before. Each flight will contain three or more carriers of 2" X 12" stock, and the treads and risers will be tongued, grooved, glued, and wedged up and housed into wall strings.

The railing of rear stairway to basement and second floor must be secured to floor and newels in a substantial manner, and a stock design of approved pattern will be allowed.

Newel posts will be put together with solid corners and secured with invisible dowels.

Painting and Glazing.

All exterior woodwork will be primed one coat as soon as

erected, covering knots with shellac.

Putty up well after priming. The exterior exposed woodwork will be finished with two coats of lead and linseed oil paint, of color as directed. The galvanized iron will receive one coat of mineral red paint, and will be finished with two coats of lead oil paint, the last coat sanded in imitation of stone. Tin flashings of sky light will receive two coats of asphaltic roof paint, applied at different times.

Pulley stiles will be oiled. Yellow pine and cypress finish will receive three coats of Sherwin Williams' varnish, puttied with stained putty. The hard wood finish will receive a coat of wood filler of desirable shade and be finished with three coats of Sherwin Williams' varnish, the last rubbed to a dull finish with pumice stone and oil.

The ceiling of stack room to be covered with two coats of Muresco cold water paint.

The flooring in main floor and treads of stairs will receive a coat of light stain and be finished with one coat of Elastica floor finish, or Johnson's floor wax.

The large panels at entrance door will be of polished plate glass. Windows in second story will be of clear glass set in copper ribs and stiffened with iron supports where necessary. The sky light over rotunda and ceiling light in second story will be of opalescent rolled glass. All other glass will be of A quality of D. S. sheet glass, cut to fit, bedded, sprigged, puttied, and back-puttied.

Electric Wiring.

System.

All wiring shall be for the two wire alternating current system, 110 volts.

Wiring.

The building is to be wired for the number of outlets and lights

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shown, with rubber covered white core, braided wire, made according to the National Electrical Code, and all work is to be of the best, both in workmanship and material. No circuit shall have more than 660 Watts dependent upon one branch outlet, and the installation shall comply with the National Code in every particular.

Switches.

All switches controlling lights shall be Cuter Flush or Hart Switches. All flush switches shall be installed in wall boxes, so placed that the switch plates shall be true and even with the plaster surface. All switches located on trim shall match the finished hardware.

Cut-Outs.

All the cut-outs used in this installation shall be of the Edison Plug Type.

The hall lights of first and second floors will be controlled from the first and second floors. Each principal room of the building to be controlled by a switch. All boxes for plugs and switches to be enclosed in slate lined iron boxes with glass doors. The switches to be located by the Architect; main box switch box to be on first floor in catalogue room partition, and the stack room to be controlled from the inside.

Plumbing.

The plumbing fixtures will be as follows, all connected up with hot and cold water:

One cast iron janitor's sink and 100 gallon galvanized iron tank in boiler room, not shown. Six wash down closets with tanks, seats, etc., similar to the No. 1, Nature Combination.

Lavatories with 14 X 17 over-flow basins and Italian marble

slabs with hacks and sides, and Fuller cocks.

There will be two stacks of 4" soil pipes of standard cast iron, extending full size through roof, and connected with drainage system which will be supplied with clean-outs, traps, etc.

Trenches will be excavated to an even fall, and pipe will be calked with lead and clean joints, and when in position will be tested in the manner prescribed by city ordinance. Clean-outs will come flush with the floor. Connections of lead traps to soil pipe will be made by means of brass ferrules. Drainage from boiler will be of 2" pipe connected. The traps of all fixtures to be vented by galvanized iron pipe, which will not enter the stack until near floor line. Lead pipe connections will have wiped joints. The storm water system will be of a 6" tile pipe, laid where directed and connected with down pipes, area drains and house trap laid below frost line with wiped joints, and connected to sewer in a manner prescribed by city ordinance.

Cold water supply will be taken from city corporation cock from nearest water main, run through a 7/8" galvanized iron pipe to the boiler room, from which connection will be made to the different fixtures and the boiler.

Place a hose bibb with cock near the corner, extending through the wall.

In every respect this work must be done according to the city ordinances.

Steam Heating Apparatus.

The apparatus to be known as the low pressure gravity return system. There will be ten risers extending to the second floor. The radiators on the main floor will return directly to steam main. The main will be drained with a bleeder to return main at the proper

point, and the whole system must be noiseless in operation.

The boiler will be of the Ideal Sectional type of equivalent, with a catalogue capacity of at least 2150 square feet of radiation, and a grate size of at least 1350 square inches, equipped for soft coal, and trimmed with regular fittings, including the damper regulations.

Smoke pipe to be of No. 16 iron with damper and connected to main flue.

There will be 1600 square feet of approved design cast iron radiation radiators, located approximately as shown on floor plans. The exact disposition of the sizes of radiators will be fixed by the contractor in connection with the Architect.

All radiators will be equipped with hand air valves, and be supplied with brass seated corner valves with wood handles.

The main piping will be as directed, and of sizes to be hereafter determined by exact size of each radiator, but the main steam connection will be 4-1/2" in diameter. Horizontal pipes will be suspended on expansion hangers, and have a uniform fall of 1" to 10" in the direction of the drops. Vertical risers will be plumb and be fitted with floor and ceiling plates and be so connected as to allow for expansion, and taken from top of main. Where pipes pass through floors, they will be insulated by galvanized iron sleeve.

Fittings will be of best quality and of exact sizes. Unions of over 2" will have flanges and gaskets. All pipe to be of mild steel.

Radiators and piping will be neatly painted in maroon, relieved with gold bronze.

The steam must really circulate on a pressure of one pound above the atmosphere.

All workmanship and material to be used must be strictly first class, and at completion the entire piping system will be tested, and must be left in good working condition. Any item not specifically mentioned which in the opinion of the Architect is necessary for the full completion of the apparatus, must be supplied by the contractor without additional charge, the intention being to secure a simple, yet strong and neat appearing whole.

THESIS:
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FOR
GREAT BEND, KANSAS
Henry A. Spinkler,
ARCHT. STUDENT 1906 CLASS,



FRONT ELEVATION.

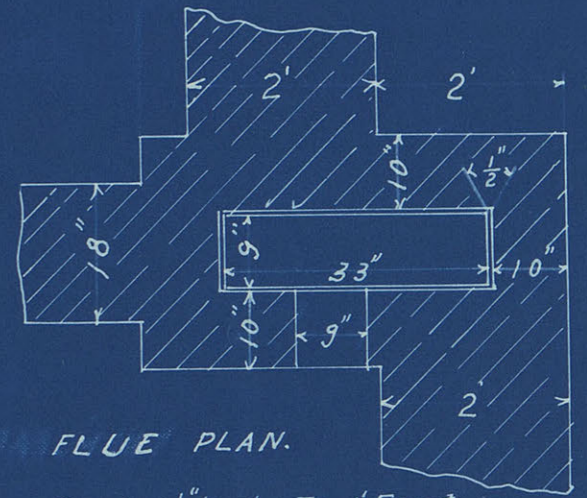
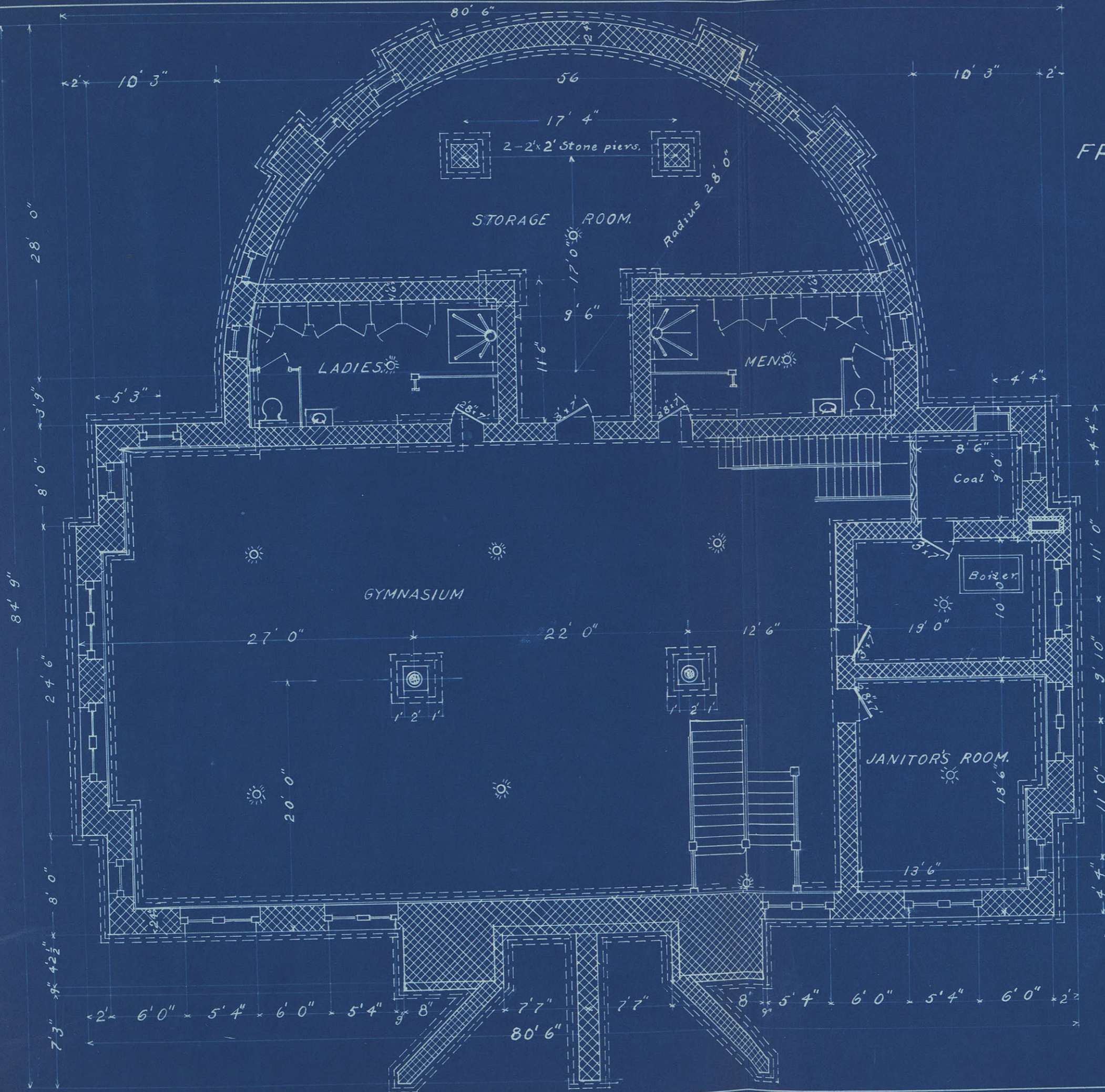
Scale $\frac{1}{8}$ " Inch To 1' Foot.

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SIDE ELEVATION
SCALE: $\frac{1}{8}$ " INCH = 1 FOOT.

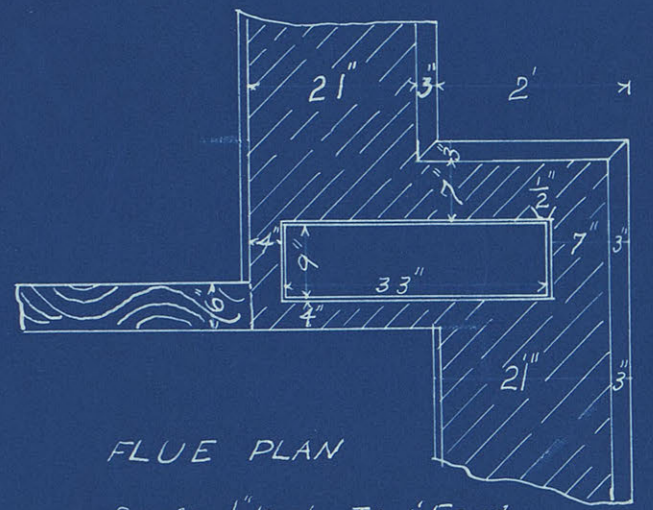
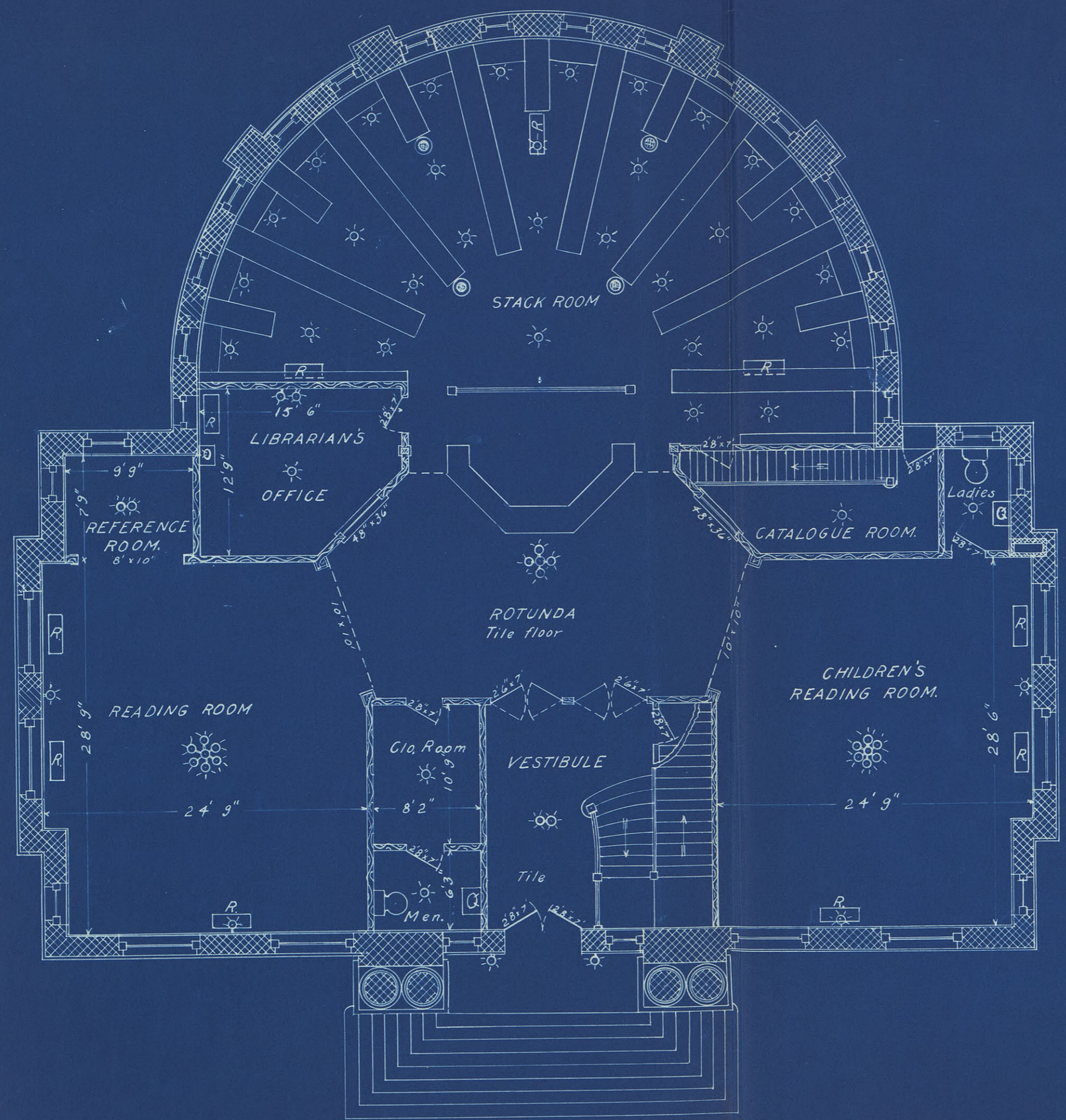
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FLUE PLAN.
Scale $\frac{1}{2}$ " Inch To 1' Foot.

BASEMENT PLAN.
Scale $\frac{1}{8}$ " Inch To 1' Foot.

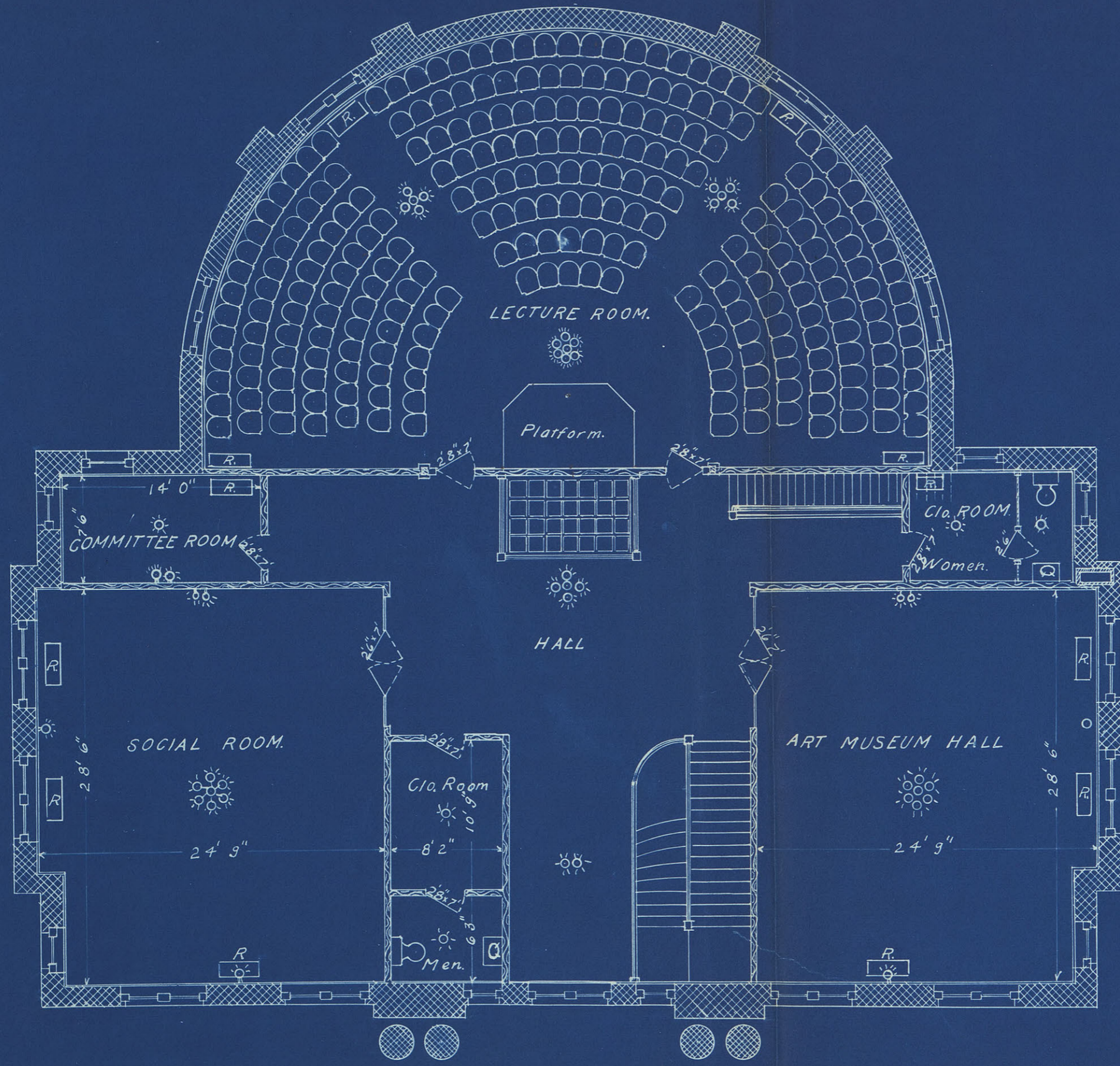
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FLUE PLAN
Scale $\frac{1}{2}$ " Inch To 1' Foot.

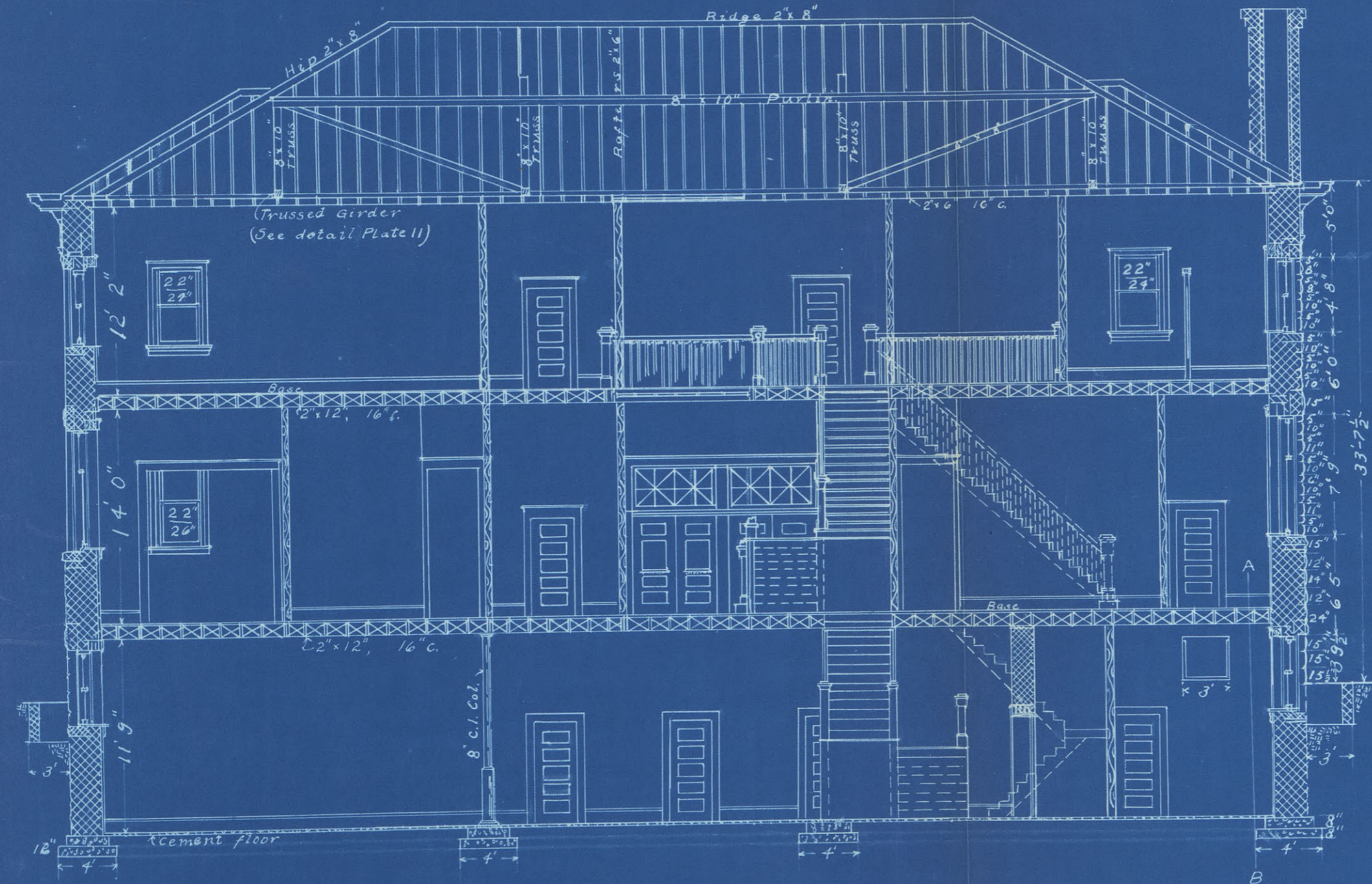
FIRST FLOOR PLAN.
Scale $\frac{1}{8}$ " Inch To 1' Foot.

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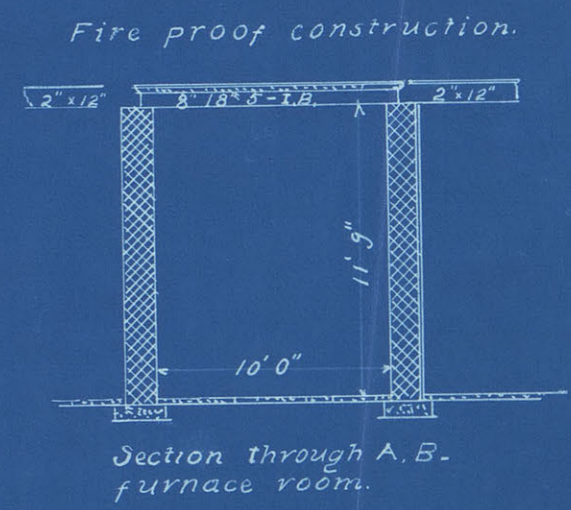


SECOND FLOOR PLAN
Scale $\frac{1}{8}$ " Inch To 1' Foot.

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LONGITUDINAL SECTION.
SCALE: $\frac{1}{8}$ " INCH = 1' FOOT.

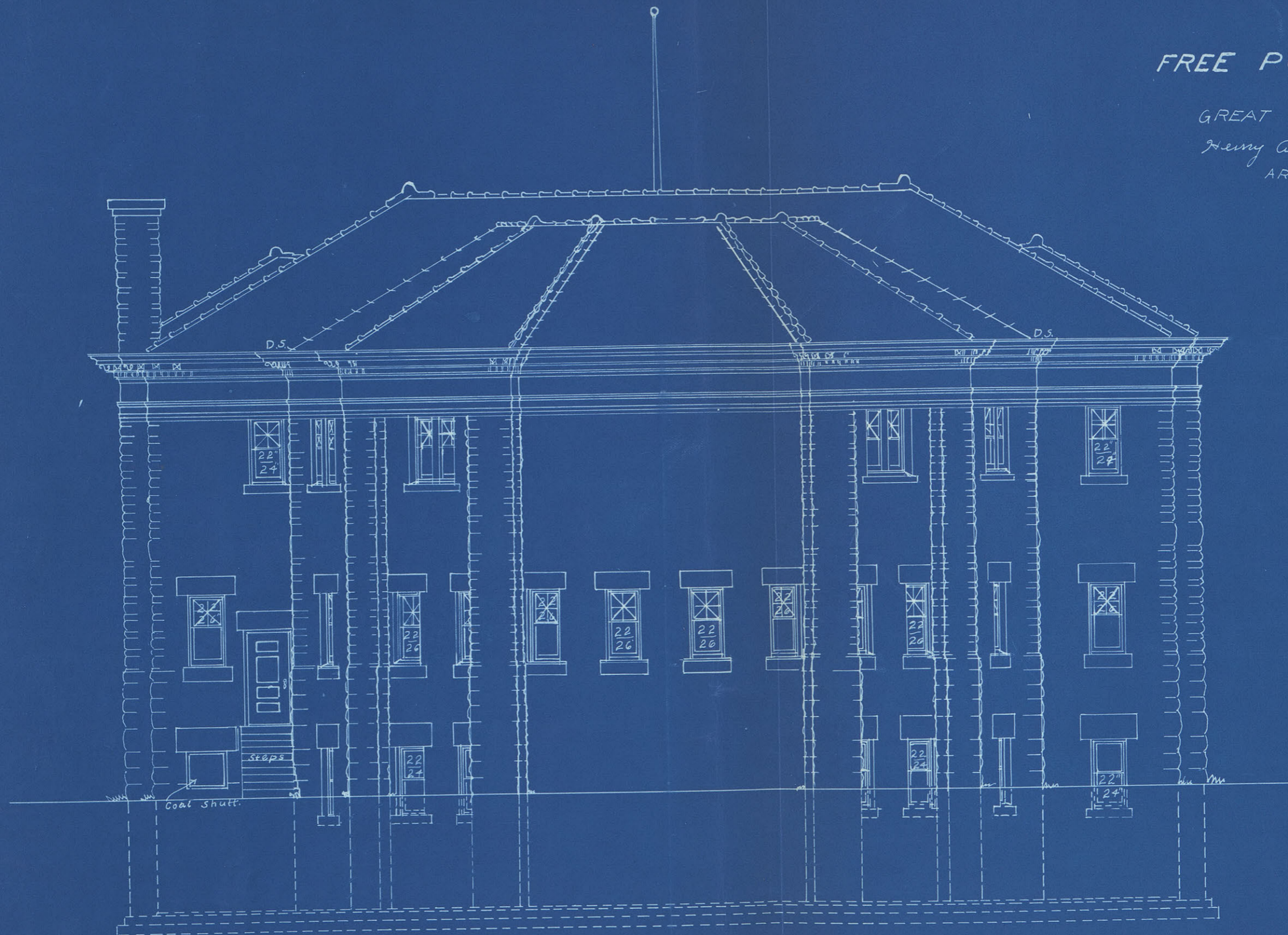


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SIDE ELEVATION.
SCALE : $\frac{1}{8}$ " INCH = 1 FOOT.

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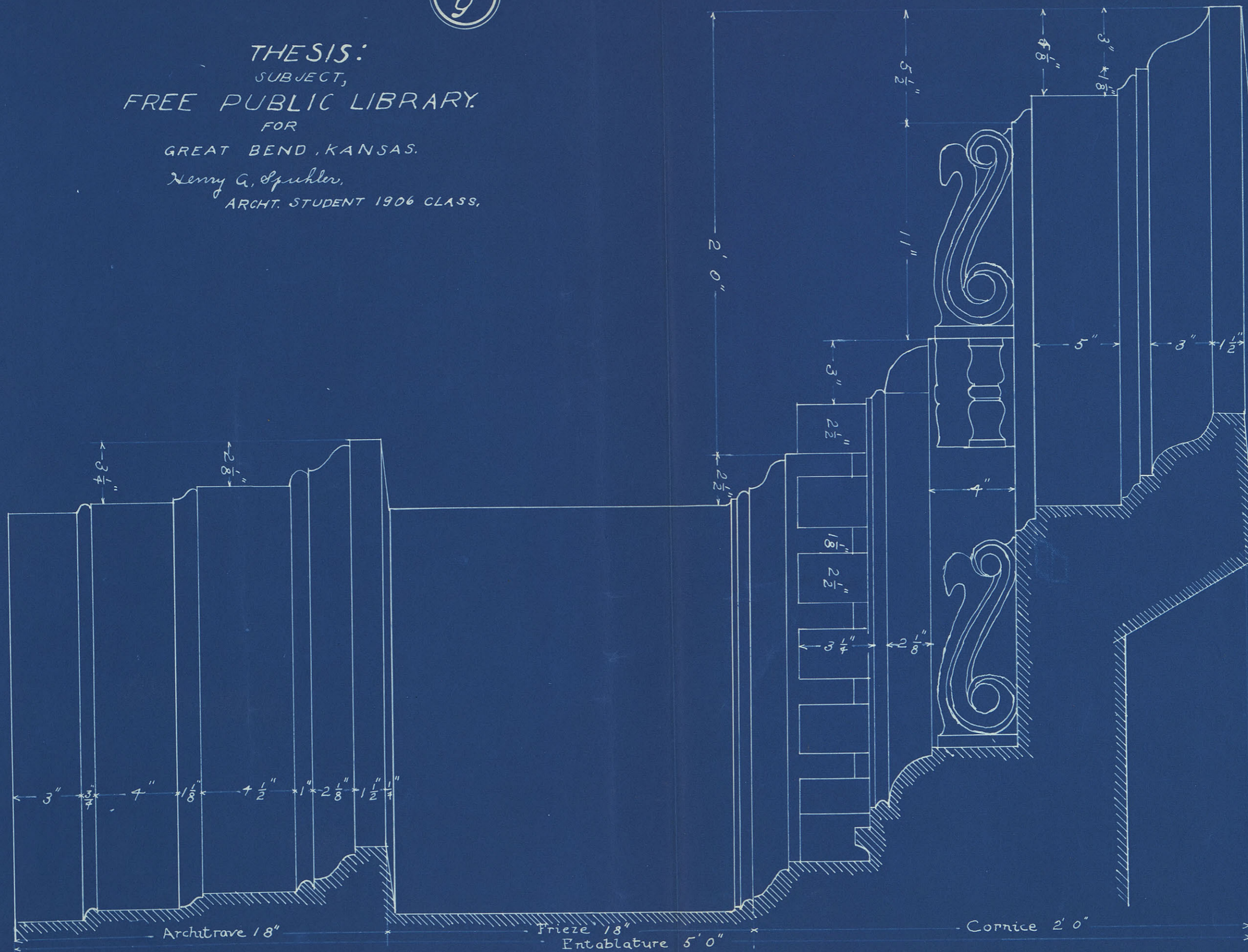


REAR ELEVATION.
Scale $\frac{1}{8}$ " Inch To 1' Foot.

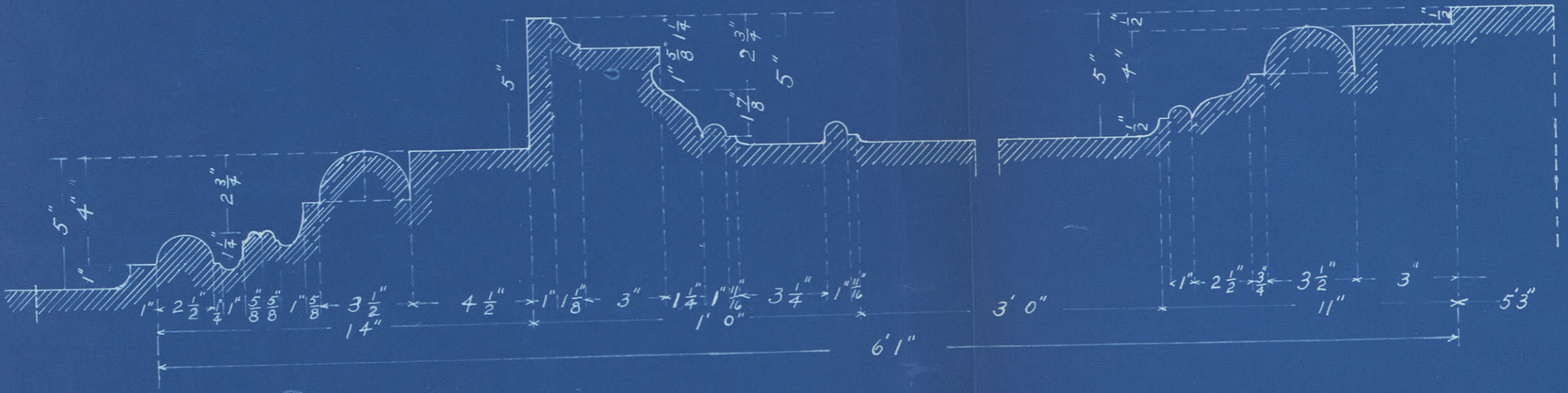
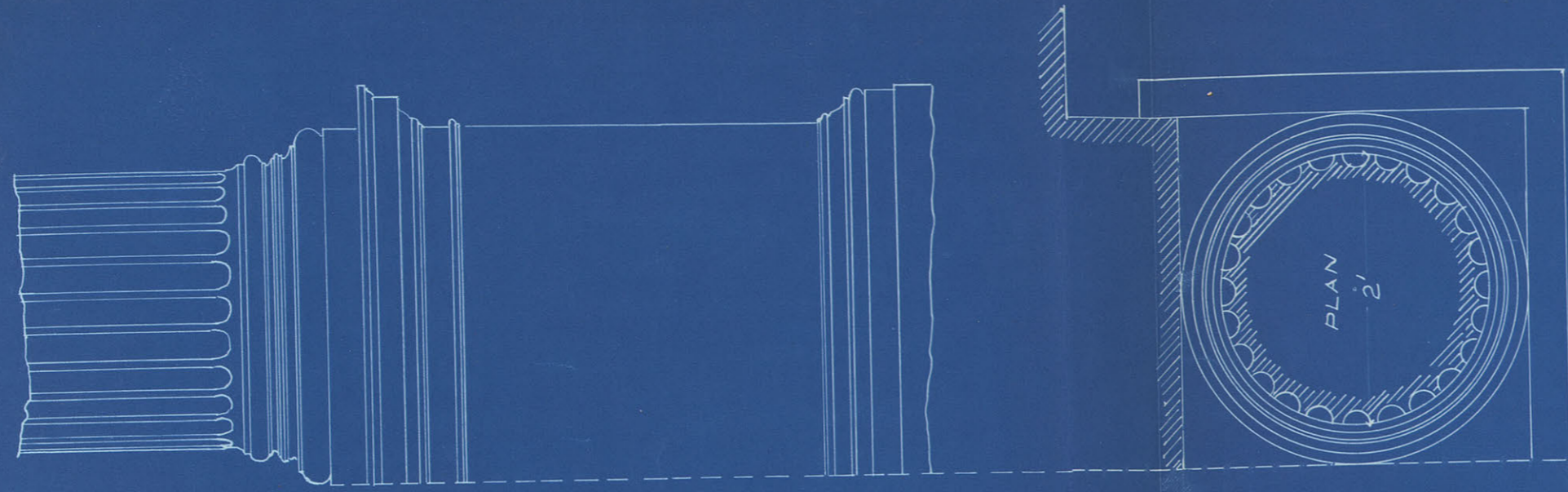
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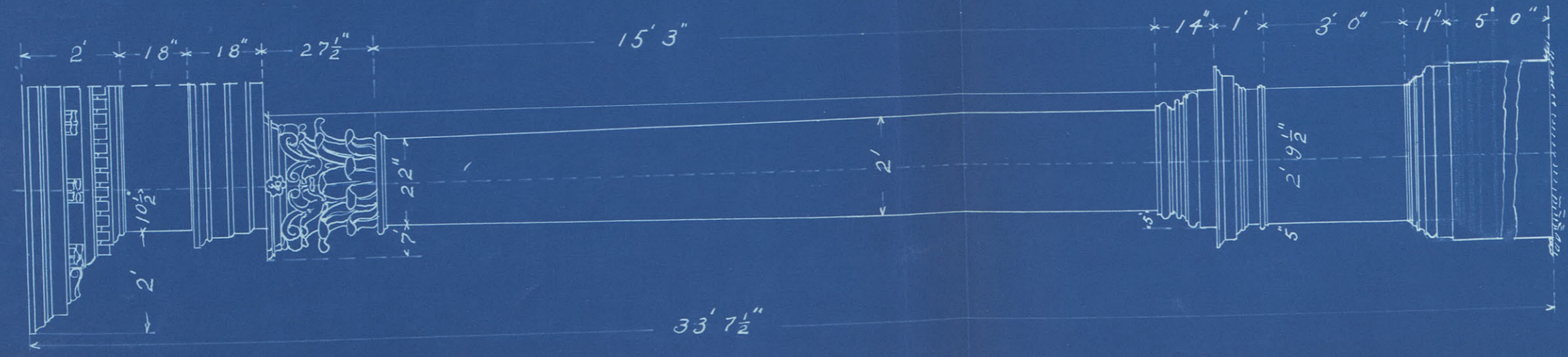
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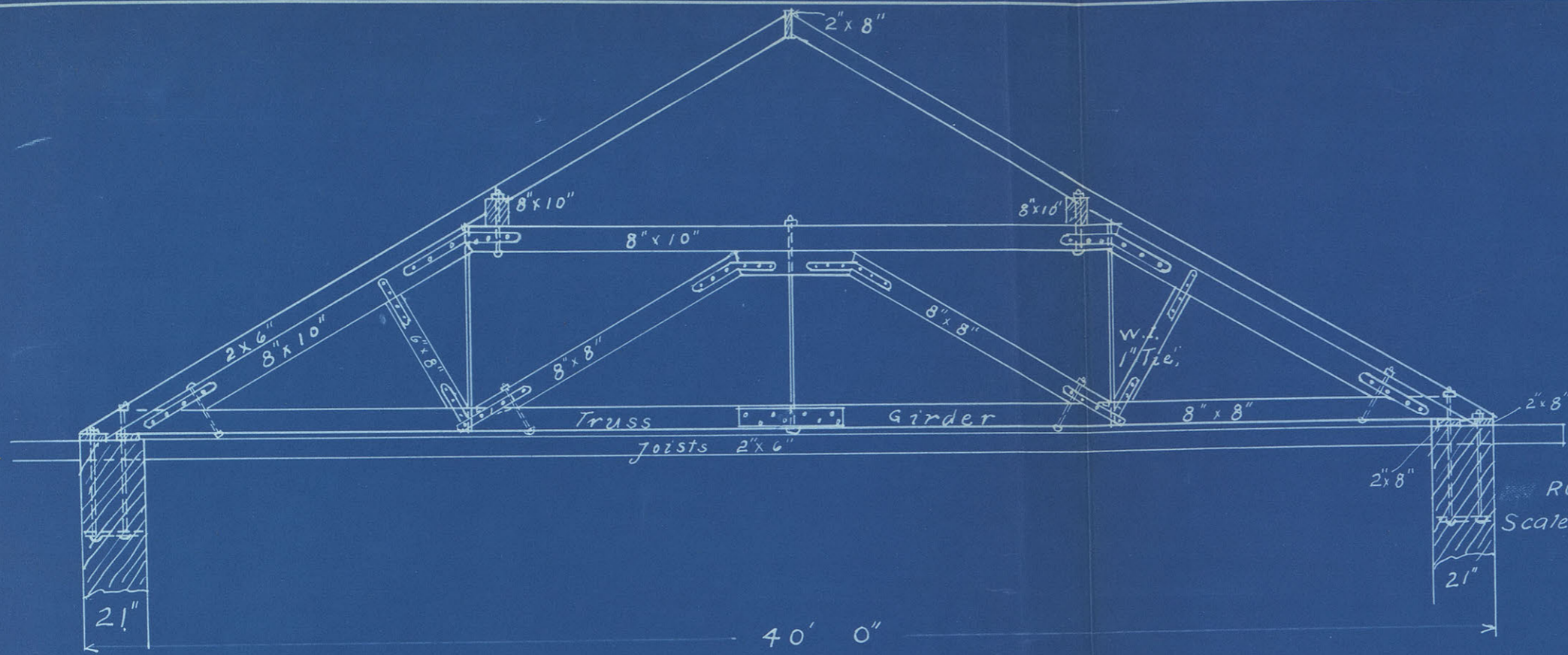


Details
of
Pedestal.

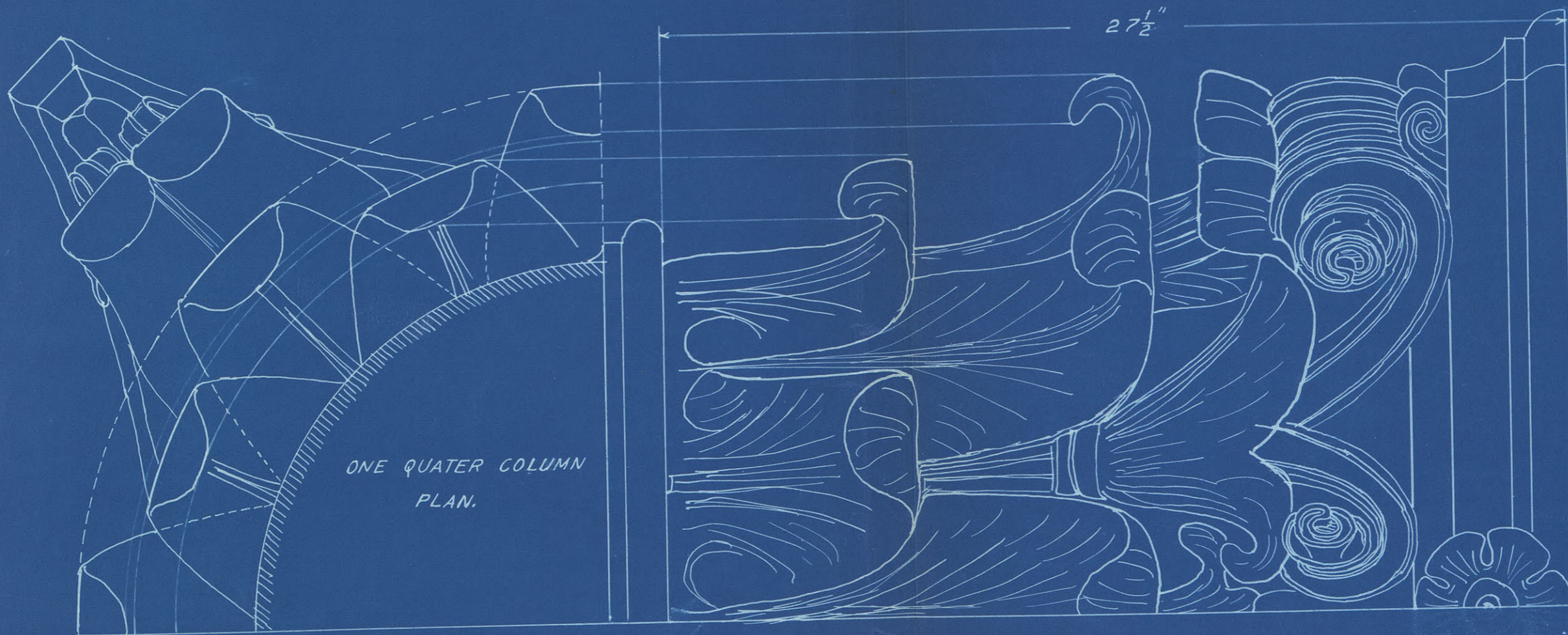


Detail of Entablature
Capital Column Base
and Pedestal.

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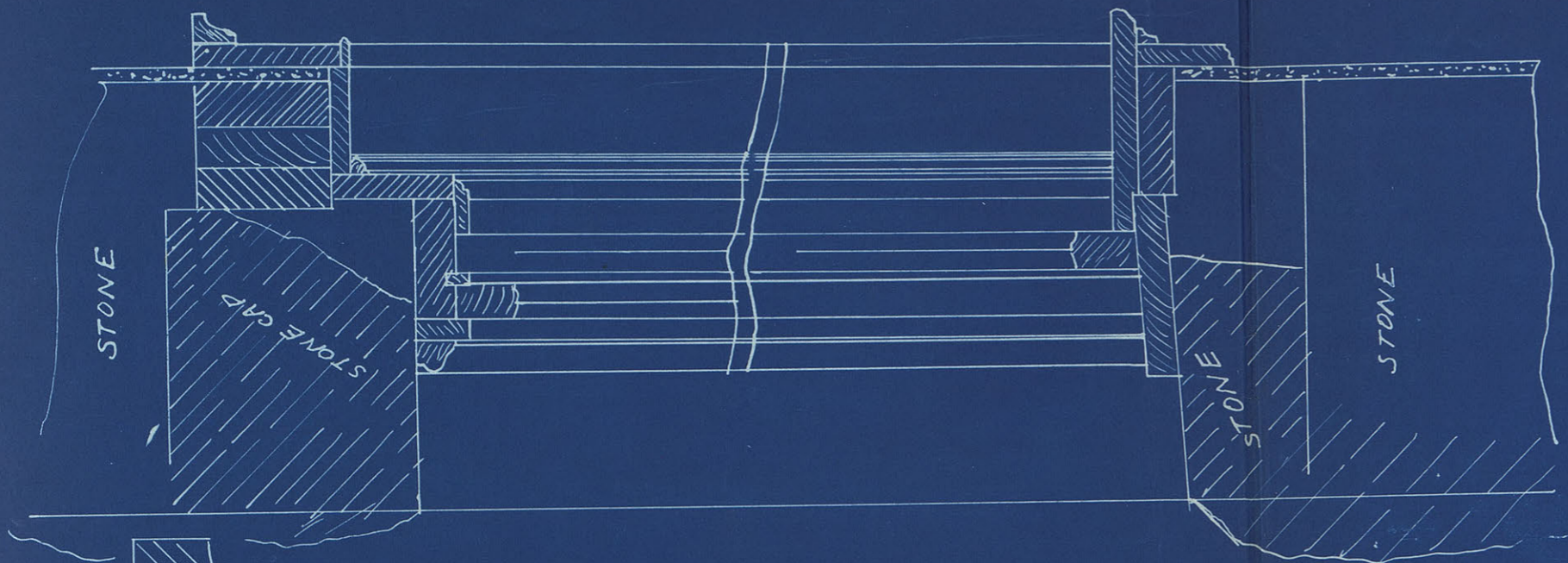


ROOF TRUSS FOR ENDS
Scale $\frac{1}{4}$ Inch To 1 Foot.



CORINTHIAN CAPITAL.

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SECTION OF WINDOWS

