

19247

OFFICE OF  
INDIAN AFFAIRS.  
Rec'd MAY 28

1891

Indian Training School, Carlisle, Pa.

29/208

Capt R. H. Pratt, 10<sup>th</sup> Cav'y. Supt

67 5/9 May 24<sup>th</sup>, 1891.

Proposed addition to girls  
Building

For auth'y to advertise)

~~Finance~~

~~Tr. to ~~Dr. [unclear]~~~~

To Secty. June 1/91

To Pratt June 1/91

The above is in accordance with  
order for the Smead system  
or the system

8

Spe

SPECIAL

13

Woods

4/36

DEPARTMENT  
OF THE  
INTERIOR,  
INDIAN DIV.

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JUN 1 1891

# AUTHORITY

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OFFICE OF  
INDIAN AFFAIRS.

JUN 1 1891

Very respectfully,

19247

INDIAN INDUSTRIAL SCHOOL,  
CARLISLE, PA.

May 27th, 1891.

To The Honorable,

The Commr. of Indian Affairs,

Washington, D. C.

Sir:-

Congress having given us only \$5.000<sup>for Girls' building</sup> in addition to the amount appropriated this year, instead of \$10.000, as we asked, was at first quite a disappointment, and as it would be exceedingly injudicious for us to crowd our girls together another year as we have the past winter, I have worked the matter out in the shape of additions to the present girls building, and, after much consideration, have concluded that perhaps we are just as well off without the additional separate building, and will be able to have our present building more completely adapted to our wants. I have accordingly prepared plans and specifications, and forward them herewith, for two projections to the rear of the present building, 75 x 38 feet each, removing the present back projections, then enclosing the rear by, in part, a building for closet and bath purposes, with four dormitory rooms on third floor and making a connection between each

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H. C., 2.

wing and that building, of a brick wall running up as high as the square of the third story. This will give an open court in the rear of the present building, and better light and sunshine ventilation than we have now, and will make the whole building more private than the present building would have been if changed as we contemplated in the original plan. It will give us ample accommodations for 274 girls, placing three in a room. As the rooms are large, we will be enabled, under pressure, to place four in a room and thus increase to 86 additional without being as crowded as we have been. We have had, at times, this present winter as many as five in a room. This would give us accommodation, under pressure, for 360 girls, which is considerably more than I anticipate we shall ever require room for, and we may consider the problem of taking care of our large number of girls settled.

I propose, in addition to this, for sanitary reasons, to put into this water closet building the Smead Dry Closet System and have had plans made covering that system. The plans and specifications for the Smead system, and the material, will cost us \$700, under their agreement with me, which I find on investigation is cheap as compared

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H. C., 3.

with the work they have done in Carlisle and elsewhere. I propose to receive bids covering this as part of the work to be done.

It occurs to me, at rather a late date now, that we might as well have gone on with the girls' building earlier, because we have \$10,000 of the authority of Congress towards that in present year's appropriation. I, therefore, make haste, since light has dawned on me in this particular, to send in the plans and specifications and ask that they may be made special, and that I may have the authority to advertise at once. If I can get a contract by or before June 25th, I can have the whole improvement completed by September 30th, provided the weather does not interfere too much.

Very respectfully,

Your obt. servt.,

*R.H. Pratt*

Capt. 10th Cav'y.,

Seven enclosures, viz:

1. General Plan.
2. Foundation.
3. First Floor.
- 4., 2nd and 3rd floors.
5. Specifications for building.
6. Plan of Closets, etc.
7. Specifications for closet, etc.

Sup't.

No. 5.

Specifications  
for  
Building.

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INDIAN OFFICE

Inclos No. 5

1891.

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INDIAN OFFICE

Inclos No. 5

1891.

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DEPARTMENT  
OF THE  
INTERIOR,  
INDIAN DIV.

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

for the erection and completion of three additions  
and other improvements to the Girls' Building, at  
the Indian Industrial School, Carlisle, Pa.

- - - - -

**SIZE OF BUILDINGS,-**        There shall be added to present building, and conforming thereto, two wings, each to be 75 x 38 feet, 3 stories, each story 10 feet in the clear, with hall 6 ft. 4" wide lengthwise on each floor, and a three story building, 56 x 25 feet, to be used for bath, water closet and other purposes as shown by drawings.

**CONDITIONS,-**        The contractor shall exercise proper superintendence over the work, either in person or through a responsible foreman. He shall furnish all material and do all work necessary, except as herein provided, for the satisfactory completion of the improvements, according to the intentions of the plans and specifications, and finish the same ready for use not later than September 30th, 1891. No deviation from either drawings or specifications shall be permitted except as authorized by the superintendent of the school. In case of disagreement of drawings and specifications, or in the interpretation of doubtful points, the decision of the superintendent shall be final.

**OLD BUILDINGS,-**        The contractor shall tear down the two end rear extensions of the present building and be permitted to utilize any material contained therein that may be suitable for the new buildings and approved by the superin-



tendent. All material not so used to be the property of the government.

**EXCAVATION,-** All excavation and grading required by the dimensions of the buildings, and for the proper foundation of the walls, shall be done by the contractor, who shall remove the surplus material to any point designated by the superintendent. Excavation of the two wings to be 5 feet below the floor joists and outside walls to solid foundation, and for the closet building as required to introduce dry closet system, under plans of Smead, Wills & Co., made part of these specifications, <sup>or any other manufacture equal thereto</sup>

**MASONRY,-** The stone foundation walls to be 20 inches laid with good flat stone and mortar, composed of fresh lime and best quality of sharp river sand mixed with one third part of Rosendale cement. All middle walls and porch walls to be 18 inch, laid in a similar manner. All outer walls to be neatly pointed with hair and cement mortar on outside. There will be three openings in each middle wall, 3 feet wide with 10" x 10" girders over each, at points to be designated, also a similar opening into sink room.

**GRATES,-** Four cellar grates, 23 x 15" to be placed in the outside walls of each wing, to correspond in make with those in the present building; with frames and glazed sash to suit, and in like manner and size four grates in closet building. The inner walls to be fitted with frames and glazed sash of the same dimensions. All sash to be hung on hinges and fastened with button. 12 grates of the same size to be placed in porch wall, 2 of which, one on each wing

and one on each of the outside walls, shall be swinging ~~wooden~~ grates. Lintels 5 1/2" square to be placed over each grate. A 20" foundation wall with a swinging grate to be provided for the wall of sink room to each wing, and for the 9" cross wall running to the third story. All foundations to be on solid clay, 2 feet below the surface or on bed rock.

**BRICK WORK,-** The walls to be 13 inches thick to the top of second story and 9 inches above. The cross wall in each wing to be 9 inches. None but new hard brick to be used on the outside walls, to be laid in good mortar composed of fresh lime and sharp sand. No toothing out allowed. A 3 x 12 inch plate to be placed on the top of the walls secured by half inch bolts two feet long placed 6 ft. apart with washers.

**FLOORS,-** The floors of all the halls shall be of good, well seasoned one inch maple or beach, no board to be more than 2" wide. All other floors shall be of well seasoned #1 white pine flooring not more than 4 inches wide to be laid with secret ~~x~~ nailing, using 8d. nails. All porch floors to be leaded joints.

**JOISTS AND RAFTERS,-** Joists to be of good sound hemlock, free from shakes, first floor 3" x 12", second and third floors 3" x 10". All joists to have two rows of bridging 1" x 2 1/2", spaced 16" centre to centre and laid to within 4 1/2" of the outside of wall. The fourth tier of joists to be 2" x 8" spaced 16" centre to centre, to run across building including cornice. Joists on first, second and third floors to extend through to receive porch floors

and roof, 2" x 4" scantling to be gined into joists every two feet to rest porch floors on.

Rafters 2" x 8" framed at heel, each <sup>pair</sup> trussed as per design with 1" x 6" boards.

TRUSSES, - There shall be over each society room two trusses 30 feet long, 6" x 12" girders with 6" x 8" brace and 6" x 8" straining beam, with 2 one and a quarter inch rods each, heels framed and secured by two 3/4" rods with 1" washer to the large rods and ~~1/4"~~<sup>3/4"</sup> washer to the small ones, trusses to run on line of hall partitions.

SHEATHING AND TIN, - The entire roof to be covered with 1" x 12" hemlock sheathing, three 8d. nails to each rafter and with 1 X charcoal tin, Ledbury, or equal quality, brand. The roof to conform in pitch with the present building and be supplied with 6" gutter and 4" down spouts, the latter to be corrugated iron and connected with the drainage system by 4" terra cotta pipe. The lower joint of down spout to be 4 1/2" cast iron pipe 5 ft. long.

CORNICE, - Cornice to correspond with present building.

CHANGE OF OPENINGS AND OTHER MODIFICATIONS IN

PRESENT BUILDING, - All openings in the north wall not conforming to plan to be filled in with brick and finished as other walls inside or windows and doors shifted to conform to present plans. Such windows as may be required to be changed from the sides of building to the ends of the same shall be done by the contractor, also he shall complete hall

connections from present building through <sup>to</sup> the halls of additions.

**PORCHES,-** Porches entirely around interior space and covering in angles except on front and part of the ~~w~~ ends of closet building to extend to first, second and third stories and correspond with the porch of the Small Boys' Quarters and be supplied with a neat box cornice, the under side to be sealed with beaded white pine flooring. A flight of stairs leading from first balcony to third balcony on either side of closet, provided with necessary posts and rails to be located as directed by the superintendent. Stair steps of 1 1/2" hard wood. Porch roofs to be sheeted, tinned and spouted same as other roofs.

**STEPS,-** Four flights of steps 6 ft. wide to lead from first floor of porch to the ground fitted with posts and rails, steps to be 1 1/4" white pine, 12" tread, risers not over 8" of 7/8" white pine.

**ATTACHING TO OLD BUILDING,-** Where the 13" walls join to the present building a 2" x 4" scantling is to be securely spiked to the wall, 4" back from the outer face of the wall. In the 9" wall use a 1" x 2" strip 3 1/2" back from outside face of wall. The north end of roofs to be hipped same as the present building and attached to present roof. The old tin to the ridge of the roof to be taken off and replaced with new.

**WINDOWS,-** Windows to be spaced as marked on plan and conform in size on each floor to those on present building, to

one half of each of which shall be Venetian and the other half panel be fitted with inside blinds, fourfold, cut at the meeting rail, supplied with 2" x 2" wrought loose pin hinges at jamb, and 1 1/8" inside shutter hinges at inner joints, and with approved fastenings. Sash to be hung with Silver Lake sash cord and supplied with locks of good quality. All sash and headlights to be glazed with first quality American glass. All frames to be new and well secured in the wall. All lintels to be nailed fast to head of the frame. All outside windows on lower floor, including those changed to ends of present building, to be covered outside with wire screens same as now on store house fastened in with screws.

**DOORS,-** A pair of double doors 5 ft. in width leading from hall to each social room to be hung on double acting hinges, doors to be 1 3/4" thick white pine. All inside doors and locks to correspond with those on west extension of present building, jambs 1 1/2" with headlight. Outside doors to be 1 3/4" two inch frame, 4 panel, rails and styles chamfered, supplied with iron sills, 4" wrought hinges and good substantial locks to cost not less than \$1.25 each, to be selected by the superintendent. A five foot double door shall be placed in rear wall and a moveable opening be made through the porch therefor near east end of closet building; also a 2' 10" door and steps at end of east porch, for convenient entrance to gymnasium.

**WASH BOARDS AND WAINSCOT,-** Washboards and casings throughout to correspond with the present building. All halls, social and society rooms, the sink room on each floor, to be wainscoted to the height of 4 feet with beaded and molded yellow pine wainscoting to be supplied with 2 1/2" cap.

**PARTITIONS AND CLOSETS,-** All partitions to be formed of 2" x 6" studding, spaced every 16" with the exception of those forming the closets, which will be of 2" x 4" stuff. Closets to be 7' 6" high and to have 2 shelves above and a strip of 5" wide filled with good strong clothes hooks, running full width of the closet.

**PLASTERING,-** Lathe all frame partitions with good hemlock lathe, well nailed at each studding with 3d nails. Ceiling in rooms under trusses to be cross firred with hemlock lathe, and all walls not protected by balconies to be similarly firred and lathed.

All walls, partitions and ceilings to be covered with three coats of plaster, two of brown and one of white, the last coat to be composed of York lime silver sand and calcined plaster, the brown mortar to be yellow sand hair and good fresh burned lime. Each coat of plaster to be thoroughly dried before the next is applied.

**PAINTING,-** All wood work usually painted to have three coats of paint to be composed of Wetherell lead and linseed oil, left in such colors as may be directed, all knots to be killed. The roof to be painted to correspond with other roofs with two coats of best mineral paint. All wainscoting to be finished with two coats of hard wood finish.

**SINKS,-** Each sink room on each floor to be supplied with an approved 20" x 30" galvanized iron slop hopper 12" deep, with trap and connected with 5" iron pipe leading to drain in yard. These pipes to extend up through the roof 1 foot above the comb of the building, and provided with

8  
~~(8)~~

outlets through the walls to receive the roof water if so directed. Water from the water system to be conveyed to each sink room through 1 1/4" galvanized iron pipe and furnished with approved spigots at each sink.

REAR WALL, - The space between the wings and water closet will be enclosed by a 13" brick wall carried up to the square of 3rd story. This wall to be roofed and covered with tin.

WATER CLOSET, - A building to be used as water closet and bathroom, 25 x 56 feet, with doors, windows and divisions as shown on plan, constructed to suit the Wills & Smead sanitary system <sup>or any other system equal thereto</sup> and supplied with a smoke and ventilating shaft, as per their plans.

This building to be wainscoted on both lower floors and in hall of 3rd floor. Stories to be on level with main building, <sup>now in use</sup> the bath tubs, and four new ones supplied by contractor, to be placed in position attached to water supply and heater, partitioned as at present and connected with drainage system. Present heater to be transferred and placed in working order in the new building.

No. 7.

Specifications  
for Closets &c.

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INDIAN OFFICE

1891.

Inclos No. 7

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Stalls.

These will be built as

shop at top and bottom, fitted with neat doors open 2" above  
at least 2/8" matched stuff fitting in plowed  
and committee having charge of building. Partitions  
used such material as may be selected by  
all work being done in a thoroughly neat and

of 1-1102 for...  
emphatically...  
can be placed in...  
of...  
of...

## SPECIFICATIONS

Given by SMEAD, WILLS & CO.,

Warming and Ventilating Engineers, Philadelphia, Pa.,

Accompanying plans showing construction of the Smead

Dry closets for the Indian Industrial School, Carlisle, Pa.

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CLOSET VAULT, - Excavate for vault to a depth shown on plans, at least three feet, six inches below the floor of room in which closets are placed. Construct 8" brick walls, enclosing this vault, as shown on foundation plan and section B. B., continuing walls from bottom line of vault up to the underside of floor. Leave top of each wall level on which will be placed the iron closet seats. Under each seat in vault contractor will furnish T-iron supports of size marked on details (Section C. C.) and place on same raised bottom of one course of hard brick, laid flatwise, without mortar, as shown on section B. B. and C. C.

That portion of the trench not covered with iron closet seats will be covered with flagstone 5" thick.

Great care should be taken to point up ends of iron seats and around flagstone, so as to close up all openings and make the seat secure and firm in position.

TRENCHES AND DRAINS, - Closets will have a uniform grade falling at least 2" in 10' from first seat, nearest entrance to each vault, towards ventilating stack.

VENTILATING STACK, - This will be started at a depth of at least 4 1/2' below the floor line and should rest on

solid stone footings at least 20" in width. Inside measurements of vent-stack, below the ground line, , should be at least 4' by 3' 4" and this size carried up to a height of at least 6' above the floor line, when vent-stack will be decreased in size to 2' 8" x 3' 4" (inside measurement)

Continue ventilating stack of this size full height, which should be at least 10' above the roof of any building within 150 feet of same and leave off caps and cowls of all kinds.

Leave front of ventilating stack open above vault, at height shown on section A. A., in which opening will be placed hot water tank. Inside of stack will have joints neatly struck, and rubbed smooth, walls ~~xxx~~ laid to line perfectly plumb. Take all necessary precautions for foundations and safe construction in linteling over large opening in front of stack, using Railroad iron for supporting walls as shown on plans.

IRON SMOKE PIPE,- Wrought iron smoke pipe, 3" diameter, inside measurement, made out of 1/4" boiler iron, joints and seams securely riveted, satisfactory to the architect or committee having charge of building, will be placed on inside of ventilating stack at height indicated on section A. A., if possible above the top of hot water tank. This pipe should rest securely on a heavy T-beam of sufficient strength to carry weight of same. Braces of sufficient strength should be anchored in sides and end of wall every 6', and securely clamped to pipe to hold it in perpendicular position in centre of stack and carried to a height of at least 14" above the top of ventilating stack. Have T-con-

3. *W. G. 2*  
action at bottom of pipe, extending outside of ventilating stack, to receive the smoke pipe from heater.

Great care should be taken in providing Railroad or T-iron for supporting water tank placed in base of ventilating stack.

*W. G. 2*  
INDIAN DIV.  
INTERIOR  
DEPARTMENT  
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JUL 7 1891

WOOD WORK, - Stalls. These will be built as shown on plans, all work being done in a thoroughly neat and workmanlike manner, using such material as may be selected by architect or committee having charge of building. Partitions should be of at least 7/8" matched stuff fitting in plowed shoe at top and bottom, fitted with neat doors open 8" above floor.

Also construct and hang iron door and provide with lock and key to opening in front of vent-stack. Use great care in fitting this door to make all openings around same as nearly air tight as possible.

All wood work should be oil finished or painted as directed by architect or Committee.

No. 1.

*General Plan*

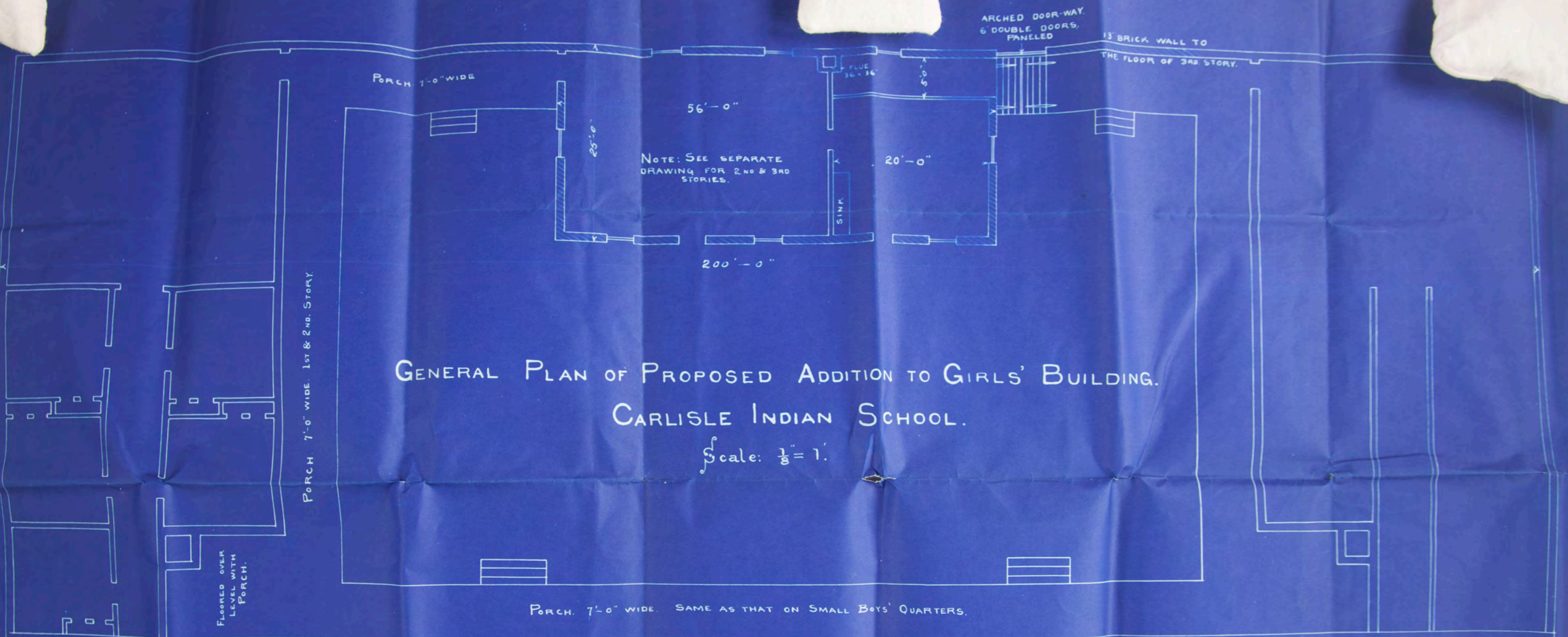
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GENERAL PLAN OF PROPOSED ADDITION TO GIRLS' BUILDING.

CARLISLE INDIAN SCHOOL.

Scale:  $\frac{1}{8}'' = 1'$

NOTE: SEE SEPARATE DRAWING FOR 2ND & 3RD STORIES.

PORCH 7'-0" WIDE. 1ST & 2ND STORY.

FLOORED OVER LEVEL WITH PORCH.

PORCH 7'-0" WIDE. SAME AS THAT ON SMALL BOYS' QUARTERS.

OLD BUILDING.  
34' x 200'

No. 2.

*Foundation*

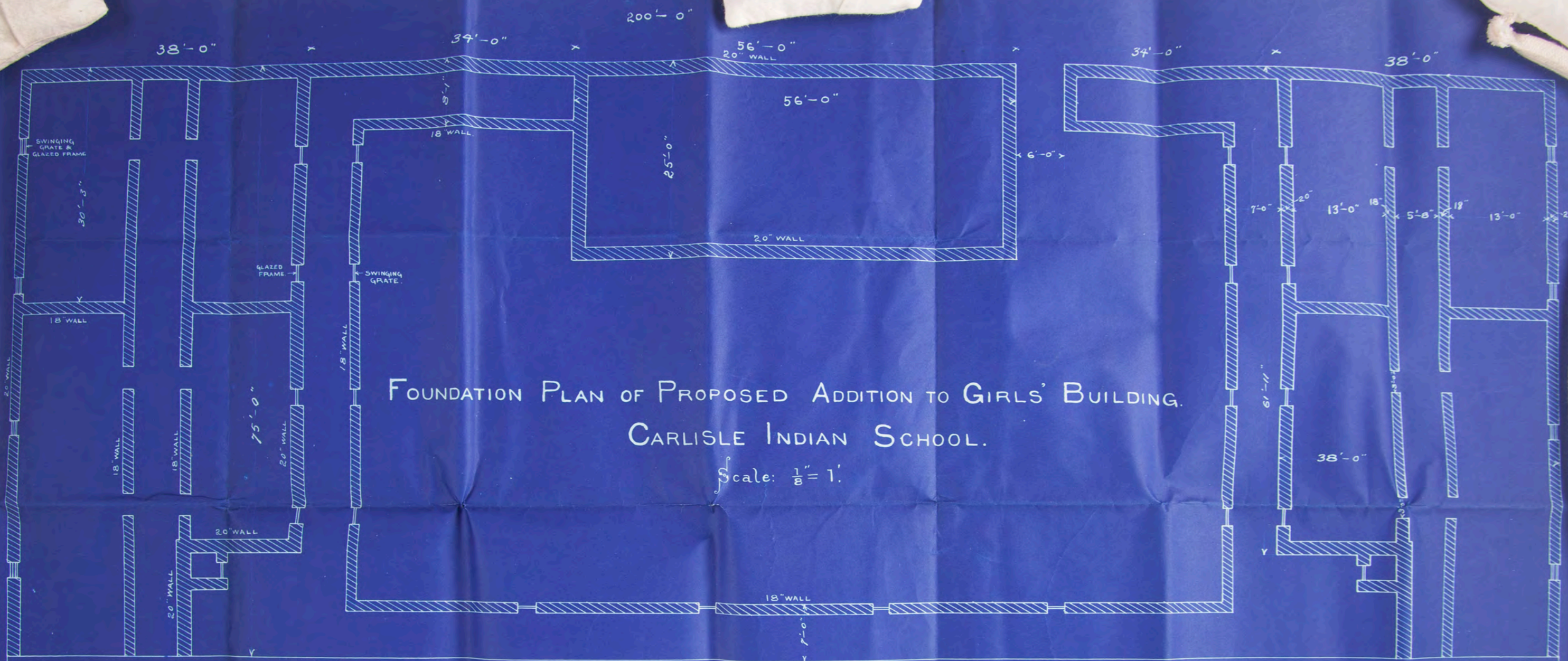
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		JUN 1 1891

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	<i>Inclos No. 2</i>	



FOUNDATION PLAN OF PROPOSED ADDITION TO GIRLS' BUILDING.  
 CARLISLE INDIAN SCHOOL.

Scale:  $\frac{1}{8}'' = 1'$ .

OLD BUILDING.  
 34' x 200'



No. 3.

1<sup>st</sup> Class

19247

INDIAN OFFICE

Incls No. 3

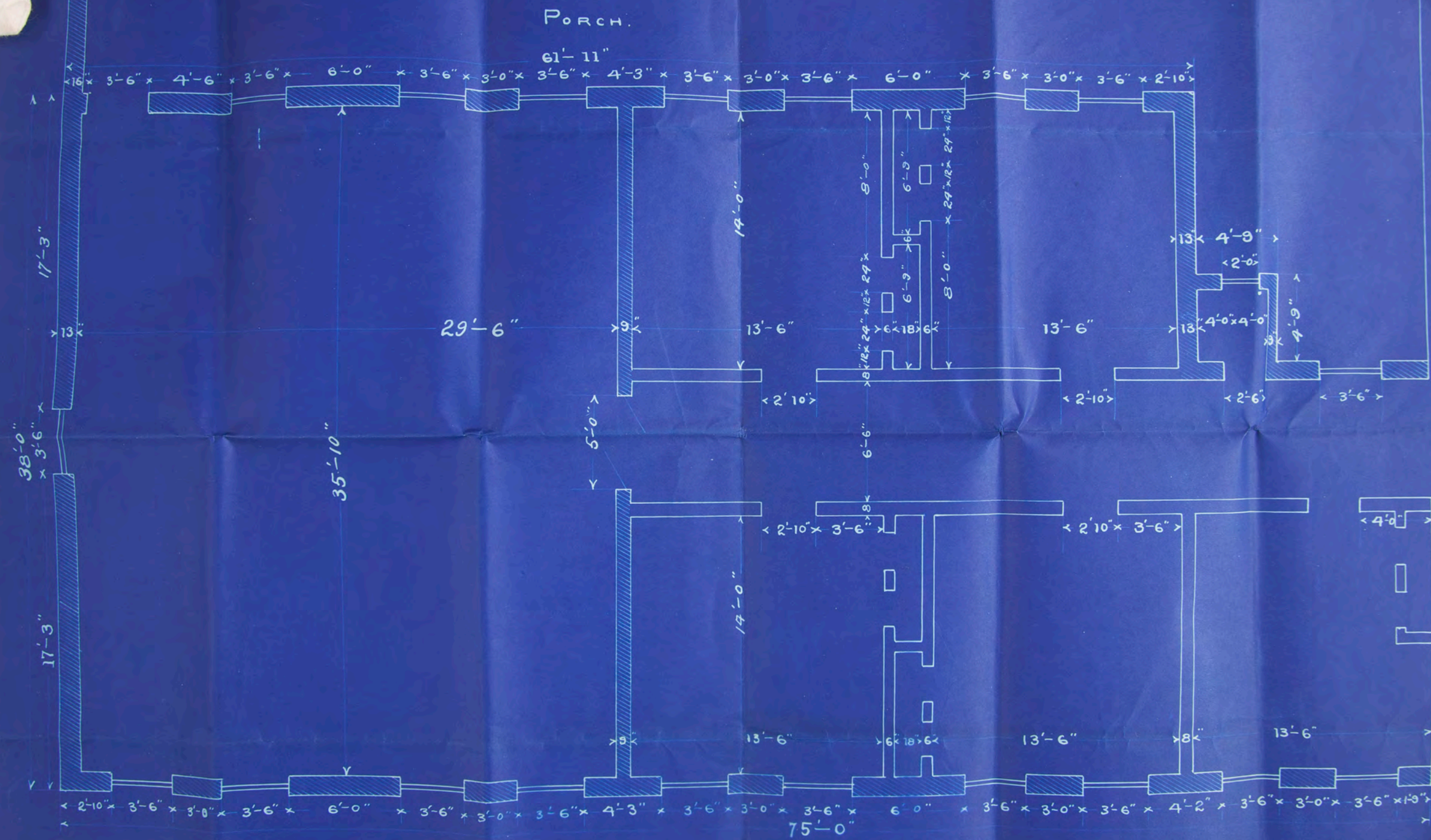
1891.

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INDIAN OFFICE

Incls No. 3

1891.



PLAN OF PROPOSED ADDITION TO GIRLS' BUILDING.

CARLISLE INDIAN SCHOOL

1ST FLOOR

Scale: 1/4" = 1'

WEST WING.

No. 4.

2<sup>5</sup> + 3<sup>5</sup> *Shoors*

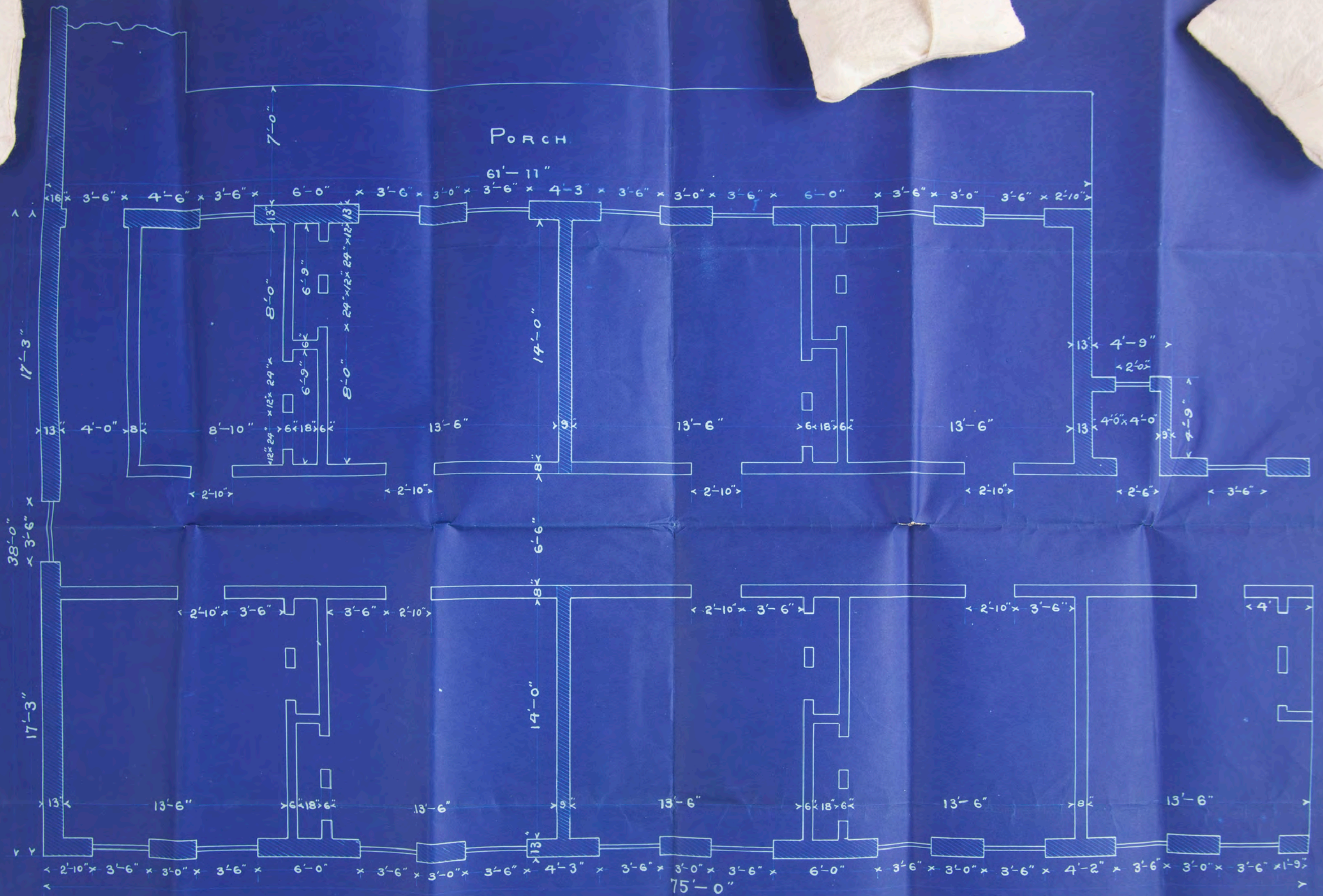
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	<i>Inclos No. 4</i>	

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20776	INDIAN OFFICE	1891.
	<i>Inclos No. 4</i>	



PLAN OF PROPOSED ADDITION TO GIRLS' BUILDING.  
 CARLISLE INDIAN SCHOOL

2D. FLOOR. Scale -  $\frac{1}{4}'' = 1'$  WEST WING.

3RD. FLOOR SAME EXCEPT WALLS ARE 9" THICK.

No. 6.

Plan of Closets.

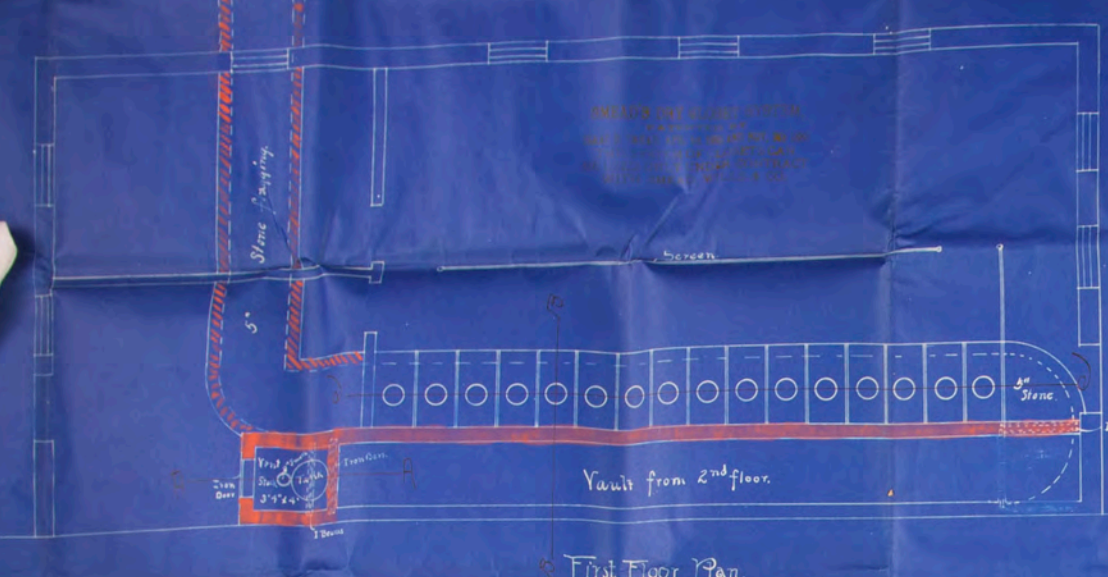
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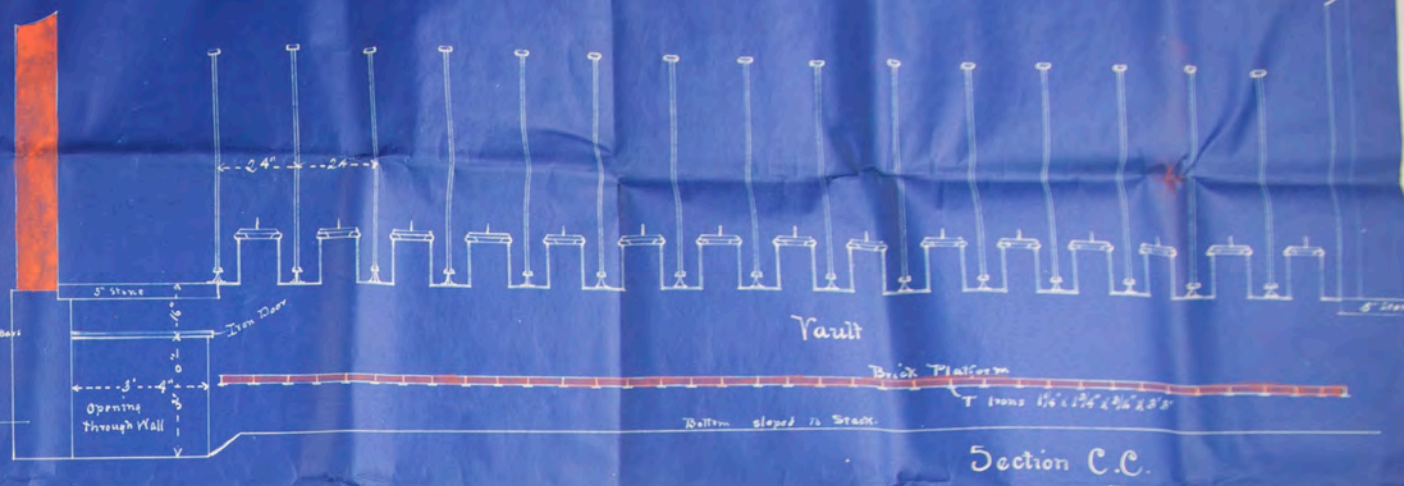
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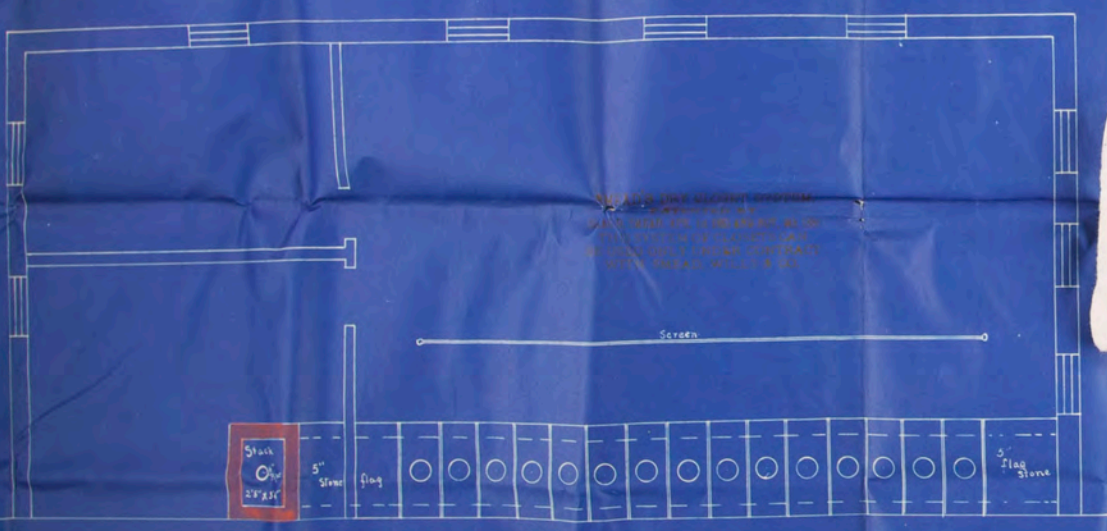
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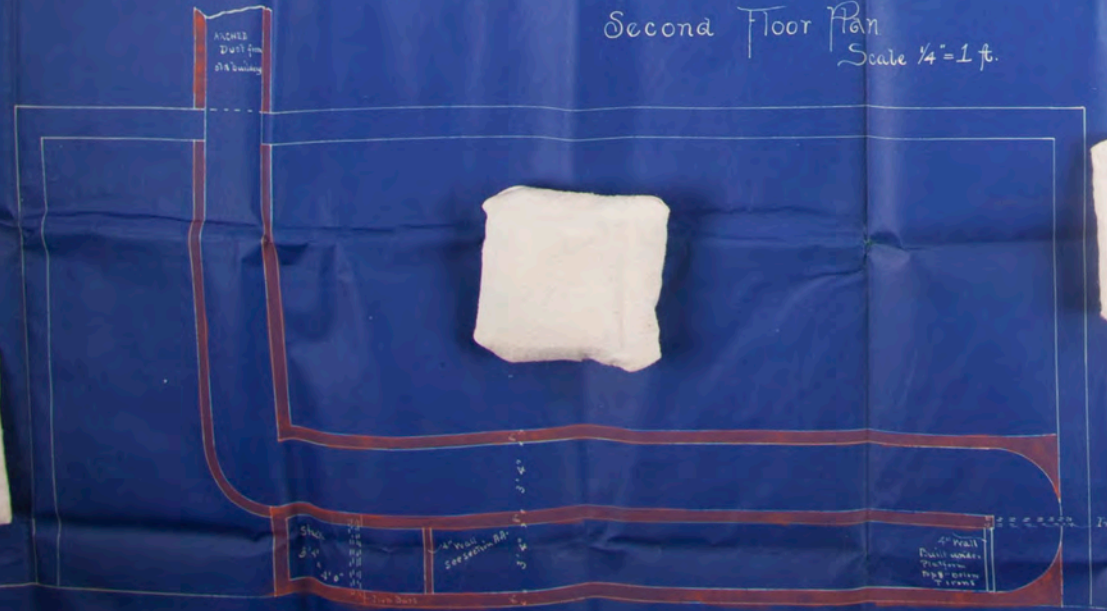
First Floor Plan.  
Scale  $1/4'' = 1\text{f.}$



Section C.C.  
Scale  $1/2'' = 1\text{f.}$



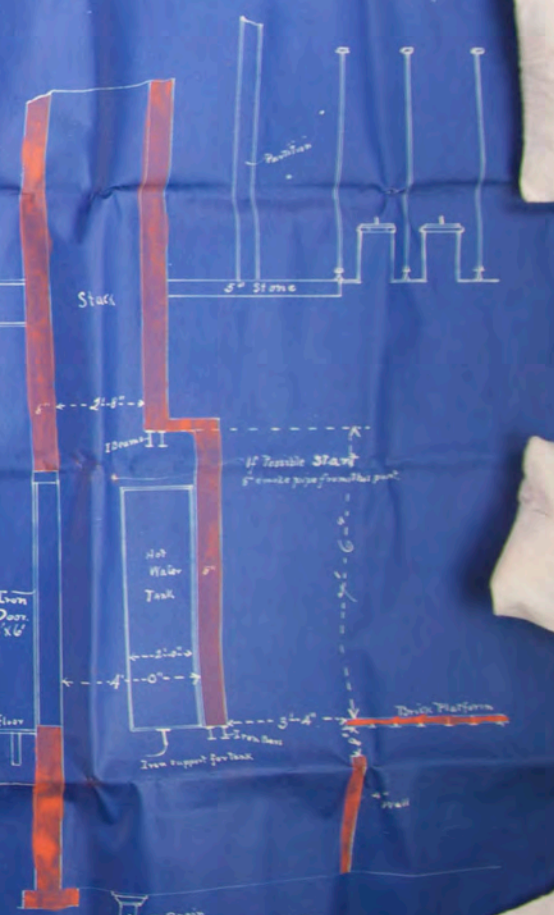
Second Floor Plan  
Scale  $1/4'' = 1\text{f.}$



Foundation Plan.  
Scale  $1/4'' = 1\text{f.}$



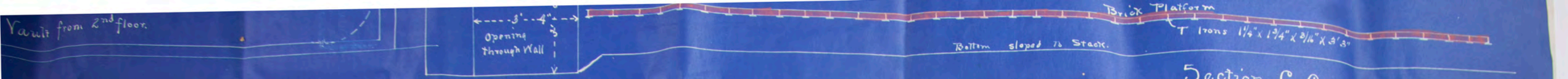
Section B.B.  
Scale  $1/2'' = 1\text{f.}$



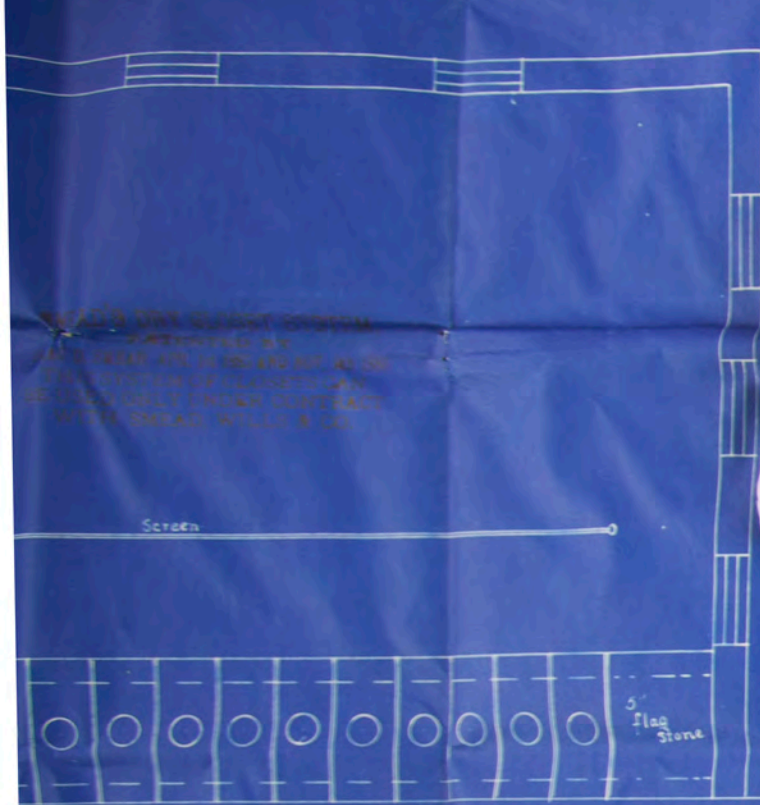
Section A.A.  
Scale  $1/2'' = 1\text{f.}$

THESE PLANS ARE DESIGNED BY  
FOR THE WARMING AND VENTILATION OF  
*Carlisle, Pa.*  
THEY ARE OUR PROPERTY AND ARE NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT OUR CONSENT AND ARE TO BE FOLLOWED BY CONTRACTORS ONLY AS THEY RELY UPON OUR WARMING AND VENTILATION OF THE BUILDING.  
SMEAD, WILLS & CO.  
417 Locust Street  
Philadelphia, Pa. 6-1-11

Plans of Closet Building  
Indian School  
Carlisle, Pa.  
5-23-11  
113



First Floor Plan.  
Scale 1/4" = 1 ft.



Section C.C.  
Scale 1/2" = ft.



SMEAD'S DRY GLOSET SYSTEM  
PATENTED BY  
SMEAD, WILLS & CO. PHILADELPHIA, PA.  
THIS SYSTEM OF GLOSETTING  
IS USED ONLY UNDER CONTRACT  
WITH SMEAD, WILLS & CO.

Second Floor Plan  
Scale 1/4" = 1 ft.



Section B.B.  
Scale 1/2" = 1 ft.



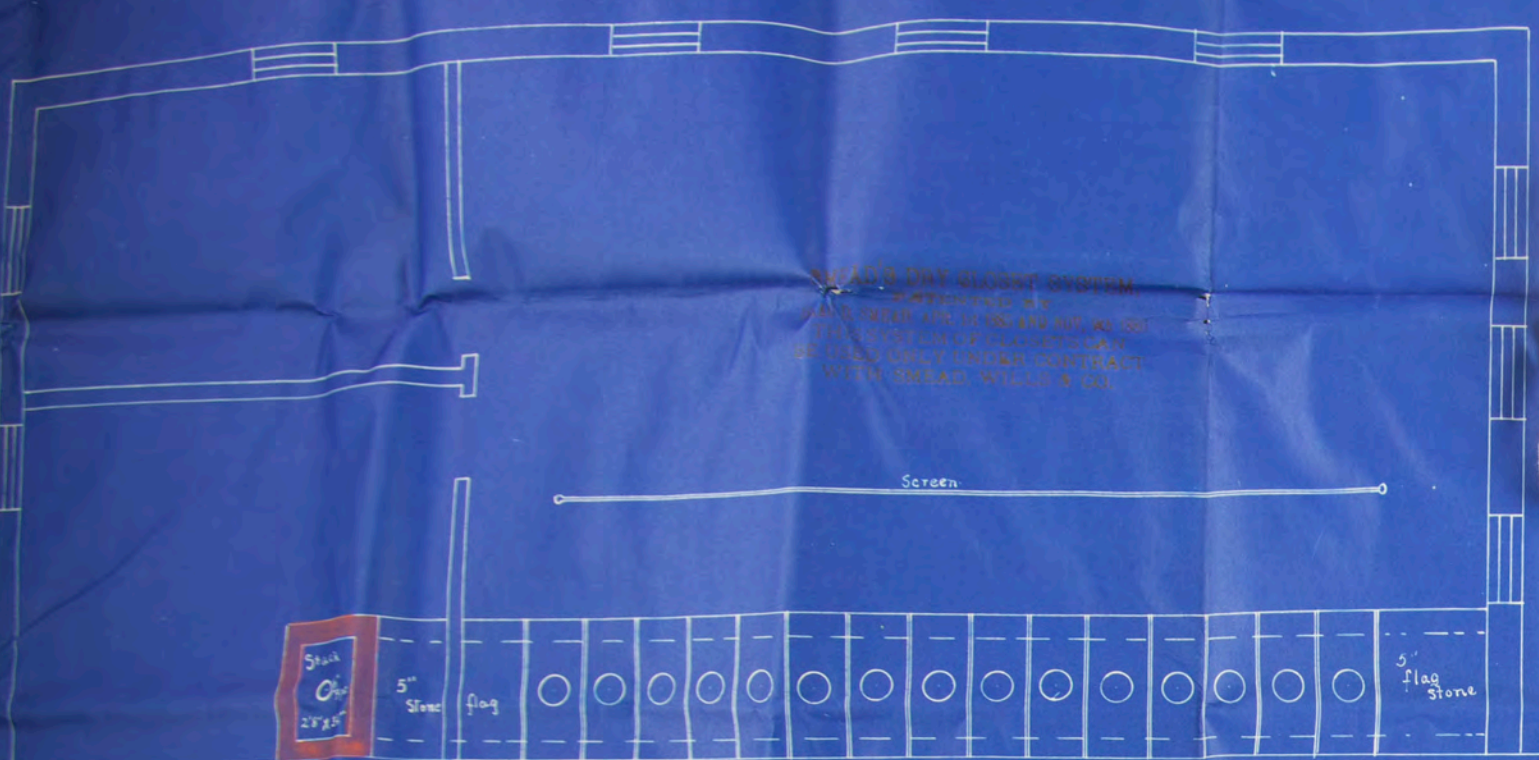
Section A.A.  
Scale 1/2" = 1 ft.

THESE PLANS ARE DESIGNED BY US TO  
PROVIDE FOR THE WARMING AND VENTILATION  
OF Closest School Building, Pa. Carlisle  
THEY ARE OUR PROPERTY; MUST BE RE-  
TURNED TO US ON COMPLETION OF BUILDING  
AND NOT DUPLICATED WITHOUT OUR CON-  
SENT, AND ARE TO BE FOLLOWED BY CON-  
TRACTORS ONLY AS THEY REFER TO WARMING  
AND VENTILATION OF THE BUILDING.  
SMEAD WARMING AND VENTILATING CO.  
SMEAD, WILLS & CO.  
PHILADELPHIA, PA.  
417 Locust Street.  
6-9-1911

Section Plan.  
Scale 1/4" = 1 ft.

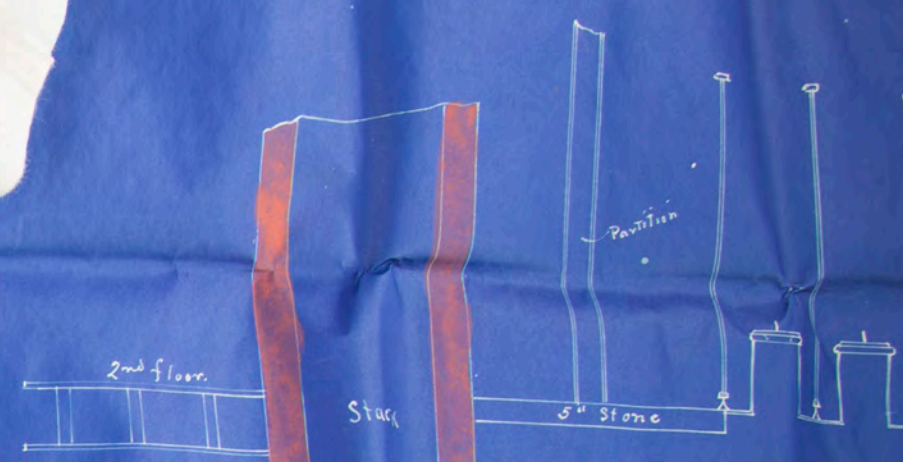
Plans of Closest Building  
Indian School.  
Carlisle Pa.  
5-25-91  
1911

First Floor Plan. Scale 1/4" = 1 ft.

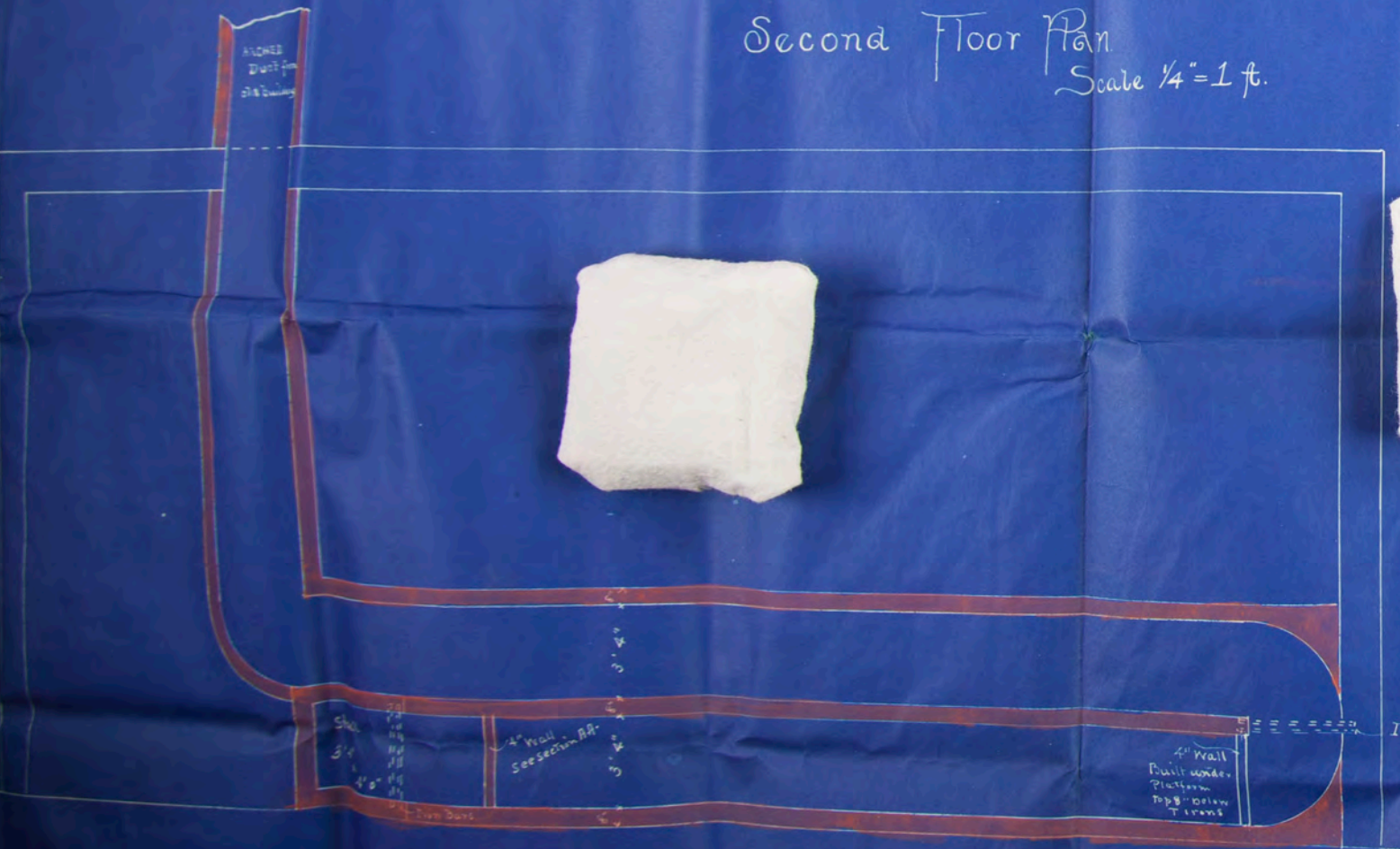


SMEAD'S DRY CLOSET SYSTEM.  
 PATENTED BY  
 S. W. SMEAD, 475 N. 3RD ST. PHILADELPHIA, PA.  
 THIS SYSTEM OF CLOSET DRAINAGE  
 IS USED ONLY UNDER CONTRACT  
 WITH SMEAD, WILKS & CO.

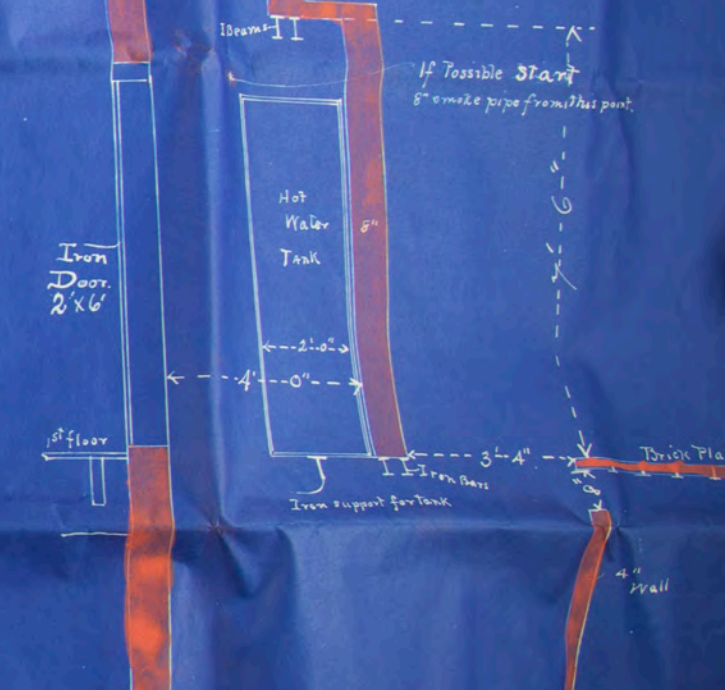
Section C.C. Scale 1/2" = 1 ft.



Second Floor Plan Scale 1/4" = 1 ft.



SMEAD'S DRY CLOSET SYSTEM.  
 PATENTED BY  
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Section B.B. Scale 1/2" = 1 ft.

Section A.A. Scale 1/2" = 1 ft.

Foundation Plan. Scale 1/4" = 1 ft.

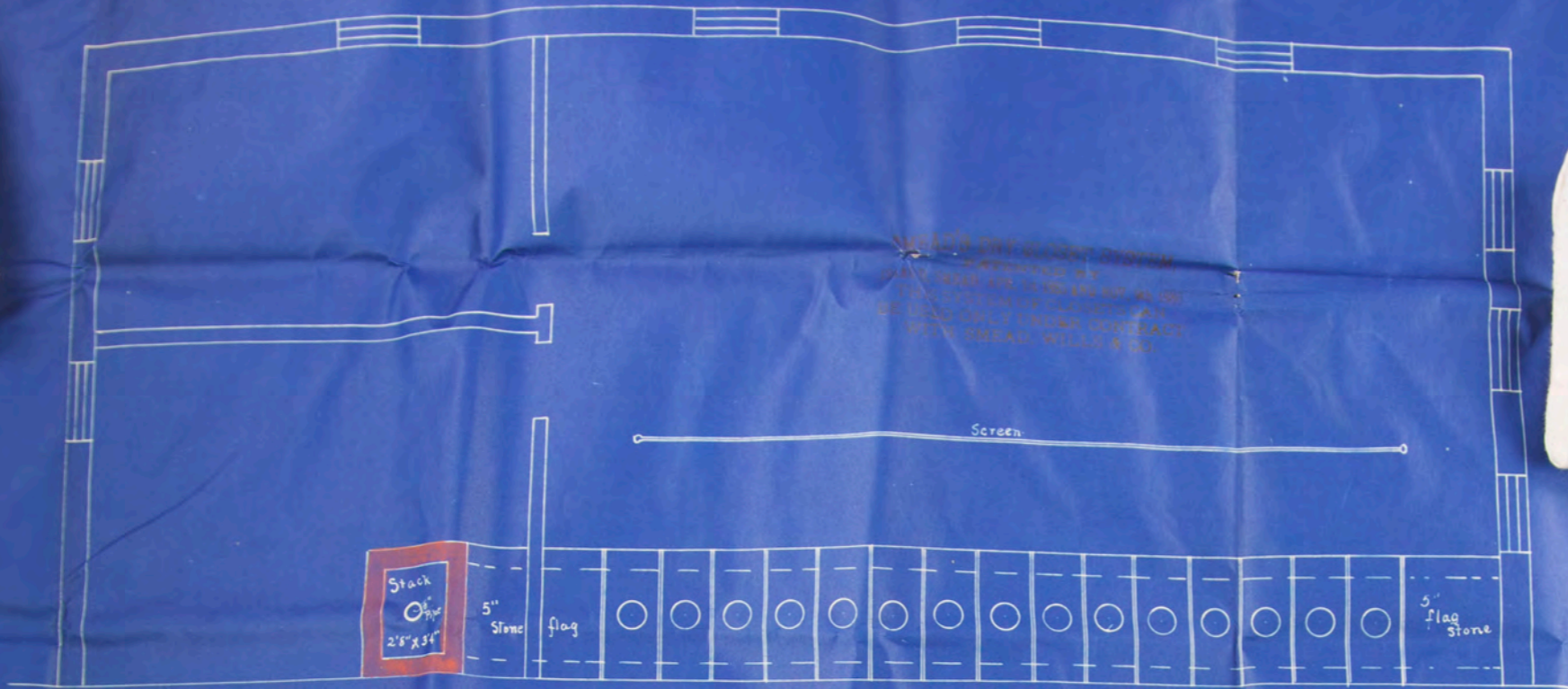


Plans of Closet Building  
 Indian School  
 Carlisle Pa.  
 5-25-91  
 S.W.

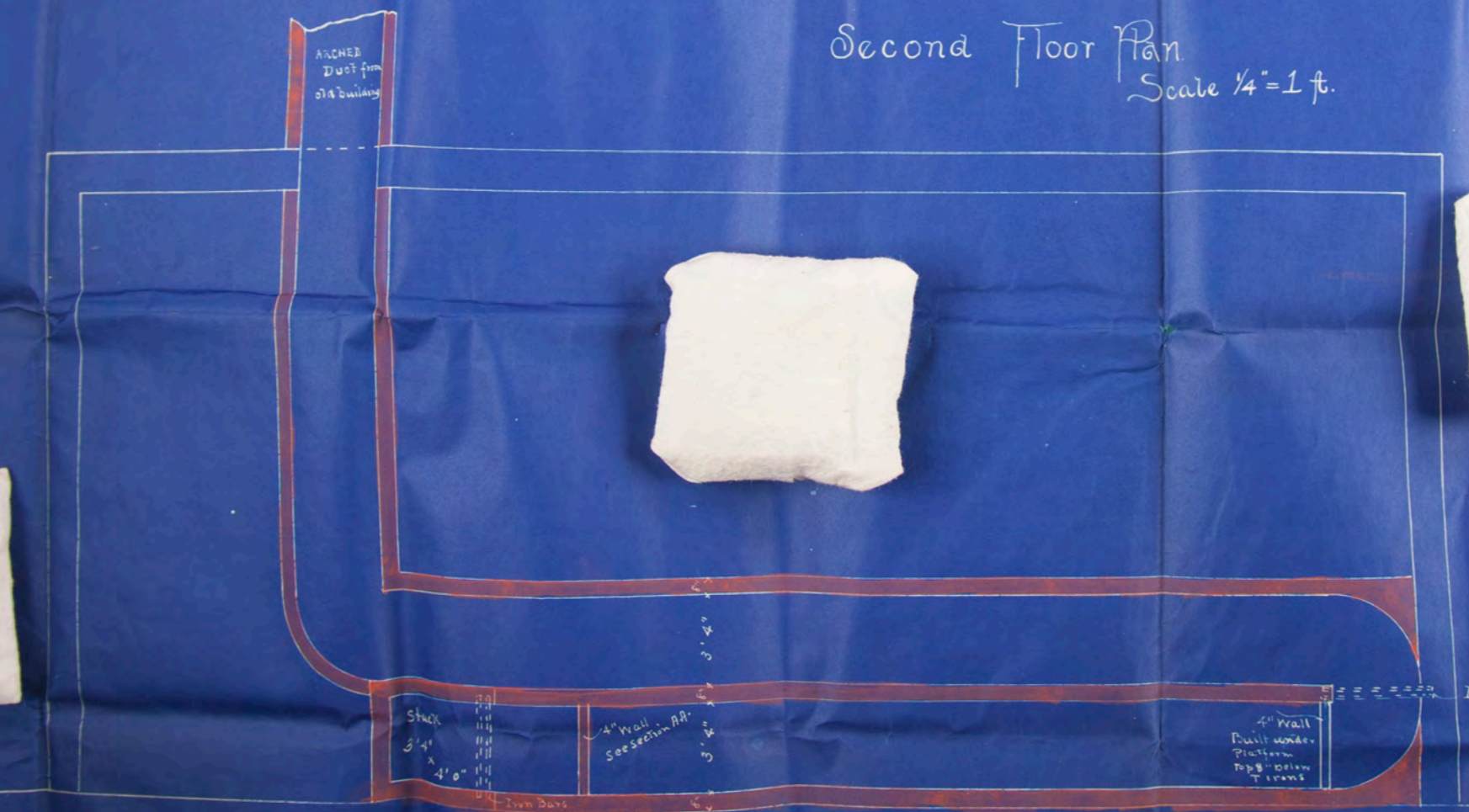
THESE PLANS ARE DESIGNED BY US TO  
 PROVIDE FOR THE WARMING AND VENTILATION  
 OF Closet School Building,  
 Building, Pa. Carlisle.  
 THEY ARE OUR PROPERTY, MUST BE RE-  
 TURNED TO US ON COMPLETION OF BUILDING  
 AND NOT DUPLICATED WITHOUT OUR CON-  
 SENT, AND ARE TO BE FOLLOWED BY CON-  
 TRACTORS ONLY AS THEY RELY TO WARMING  
 AND VENTILATION OF THE BUILDING.  
 SMEAD WARMING and VENTILATING CO.  
 SMEAD, WILKS & CO.,  
 PROPRIETORS,  
 417 Locust Street,  
 Philadelphia, Pa. 6-9-91



First Floor Plan.  
Scale 1/4" = 1 ft.



Second Floor Plan  
Scale 1/4" = 1 ft.



Foundation Plan.  
Scale 1/4" = 1 ft.



Plans of Closet Building  
Indian School.  
Carlisle  
5-25-91 Pa.  
JCB.

Opening Through Wall

Bottom sloped to

2nd floor.

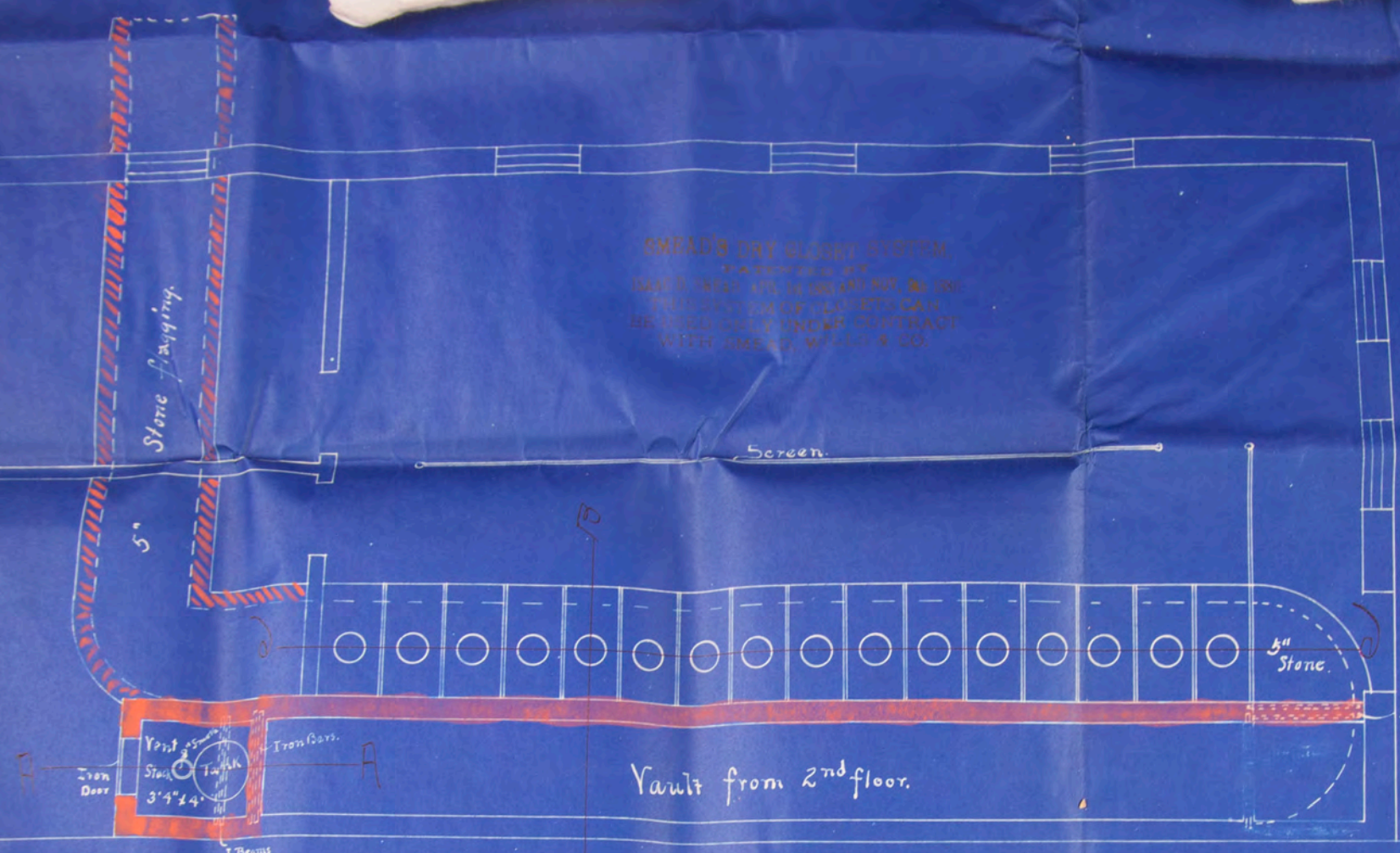
2nd floor.

SMALL DRY GLEIST SYSTEM. APPROVED BY THE BOARD AND IS TO BE USED IN ALL THE SYSTEMS OF GLEISTING IN BEING ONLY THE BEST CONTRACT WITH SMALL WILLS & CO.

1st floor.

Section B.B.  
Scale 1/2" = 1 ft.

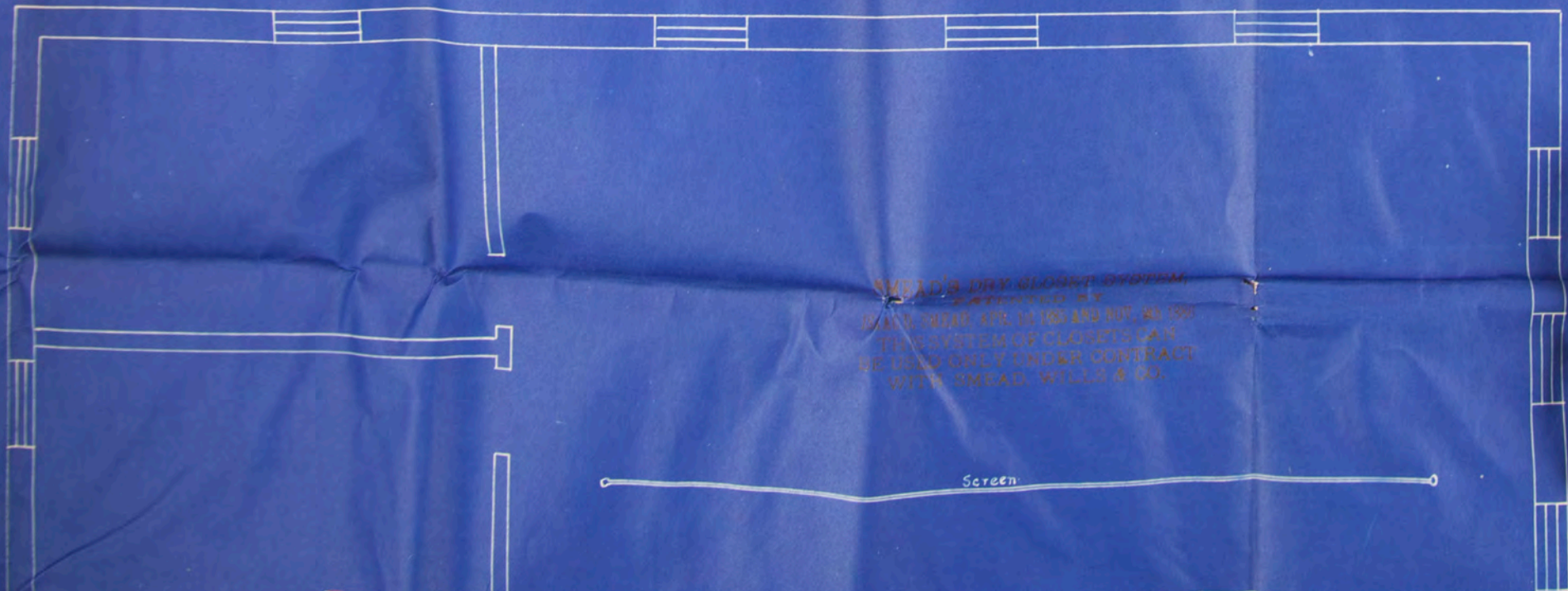
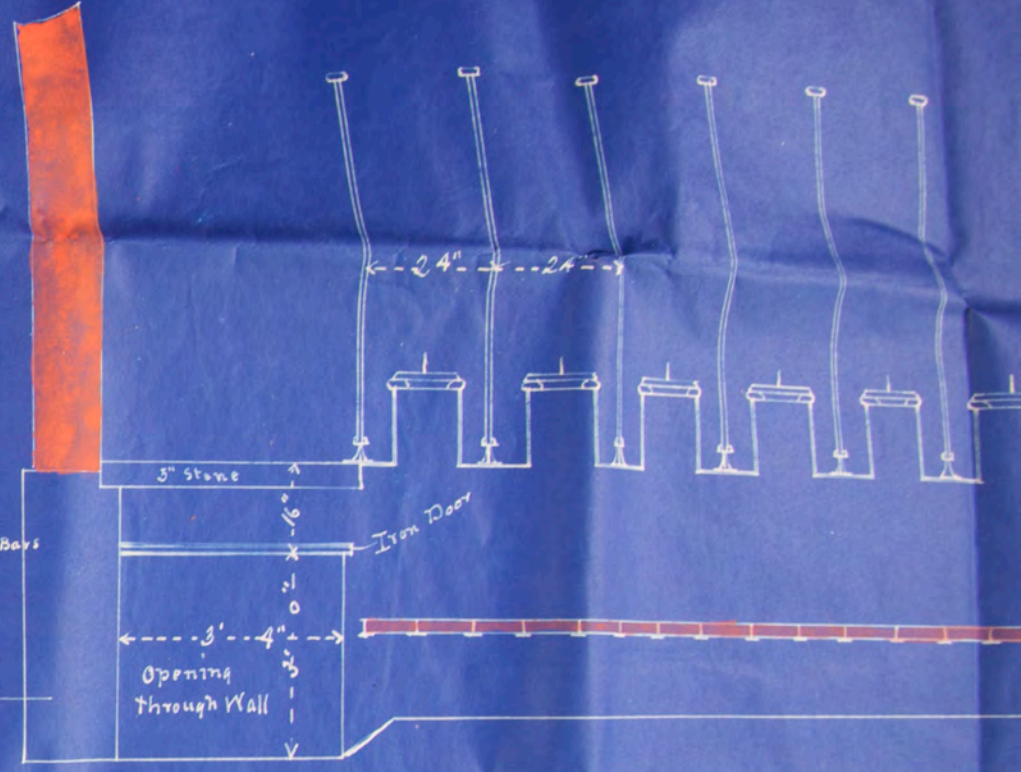




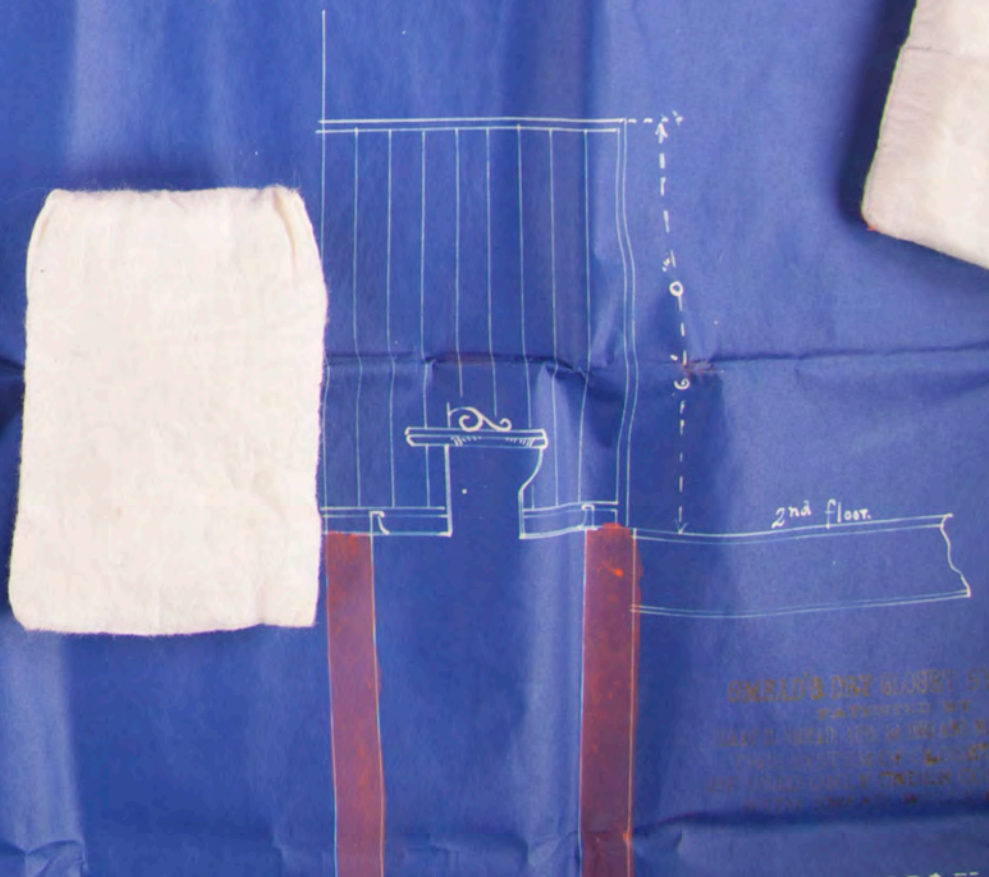
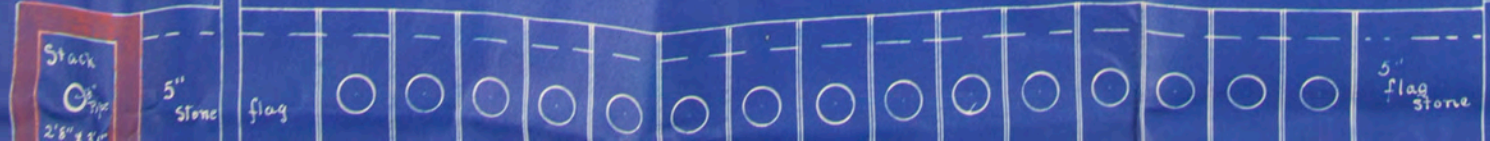
**SMEAD'S DRY CLOSET SYSTEM.**  
 PATENTED BY  
 S. W. SMITH, JR. IN 1884 AND NOV. 26, 1885  
 THIS SYSTEM OF CLOSETS CAN  
 BE USED ONLY UNDER CONTRACT  
 WITH SMEAD, WELLS & CO.

Vault from 2<sup>nd</sup> floor.

First Floor Plan.  
 Scale 1/4" = 1 ft.



**SMEAD'S DRY CLOSET SYSTEM.**  
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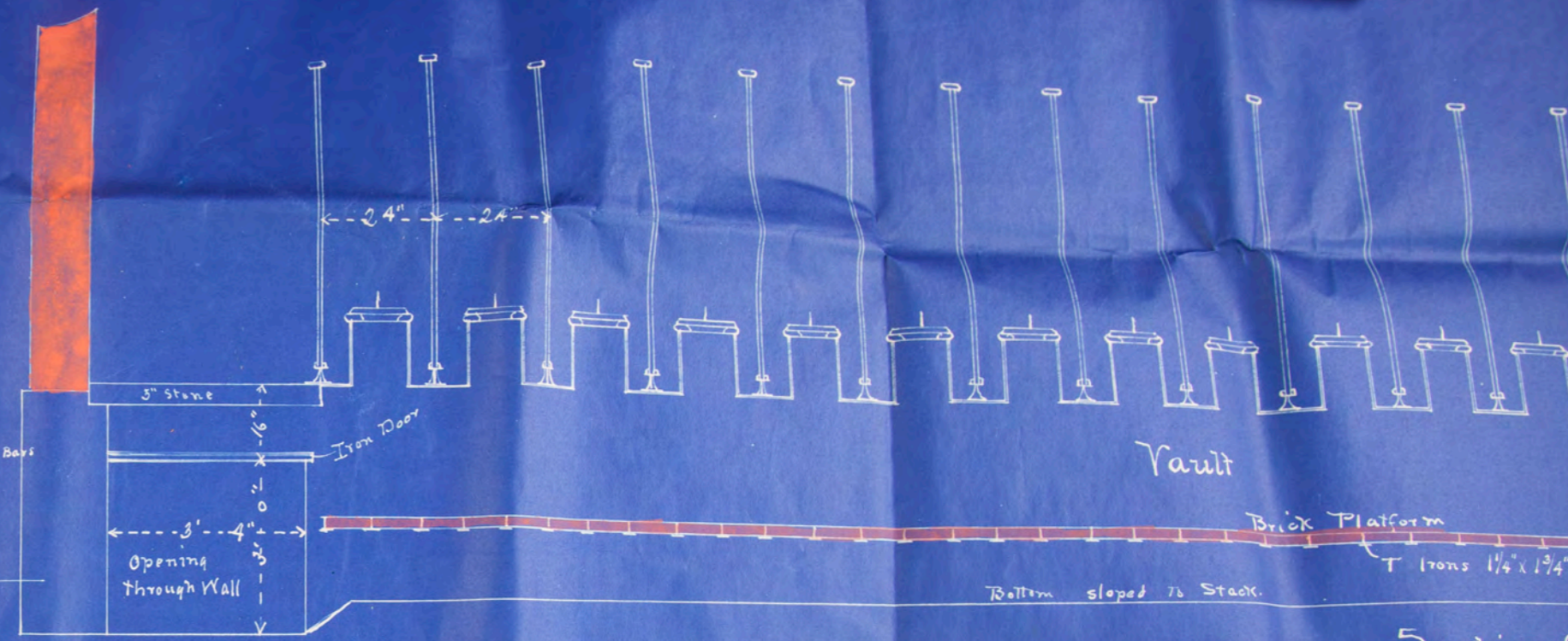


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**SMEAD'S DRY GLOBET SYSTEM**  
 PATENTED BY  
 S. W. SMEAD, 410 N. 10TH ST. ST. LOUIS, MO.  
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 BE USED ONLY UNDER CONTRACT  
 WITH SMEAD, WILLS & CO.

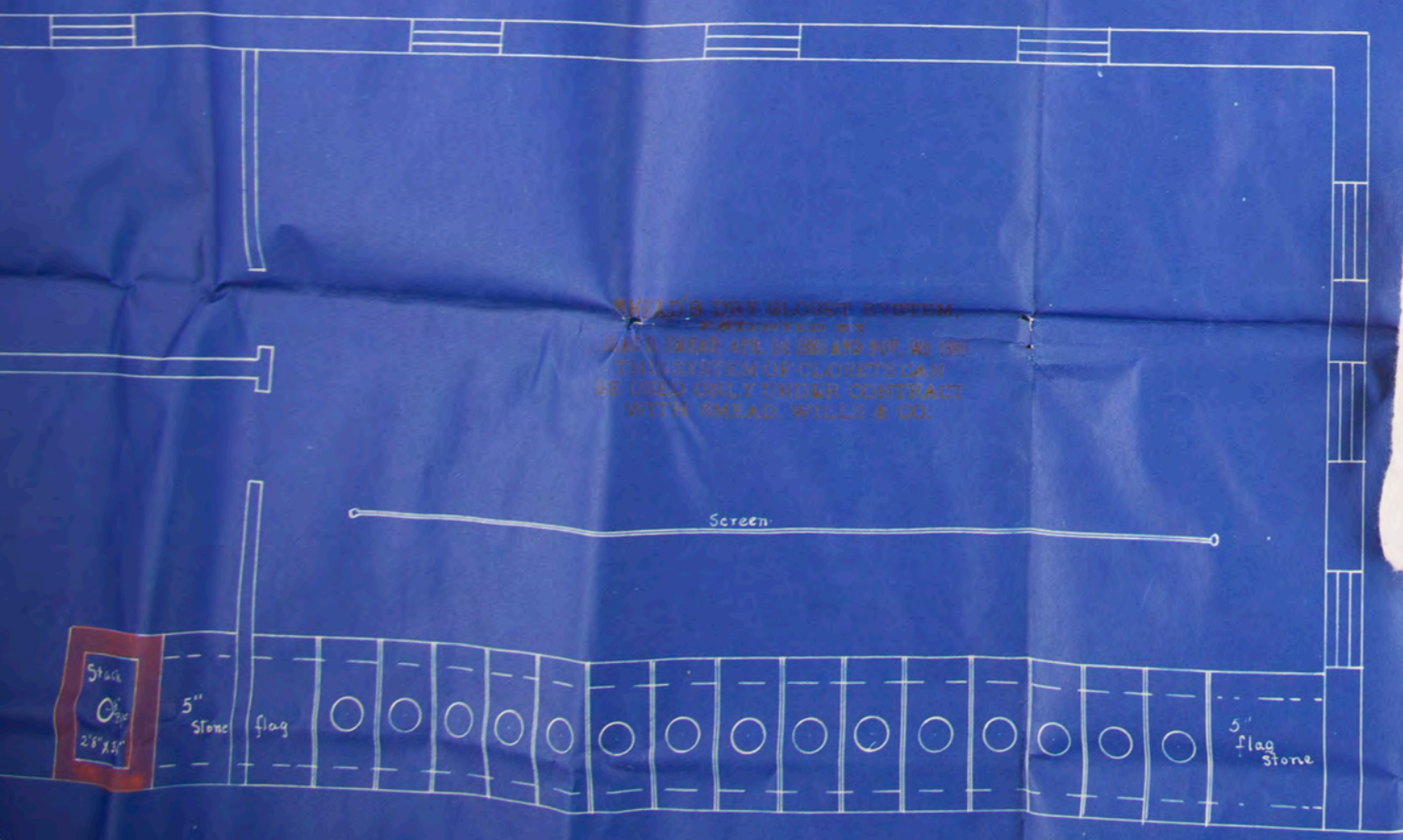


First Floor Plan.  
 Scale 1/4" = 1 ft.

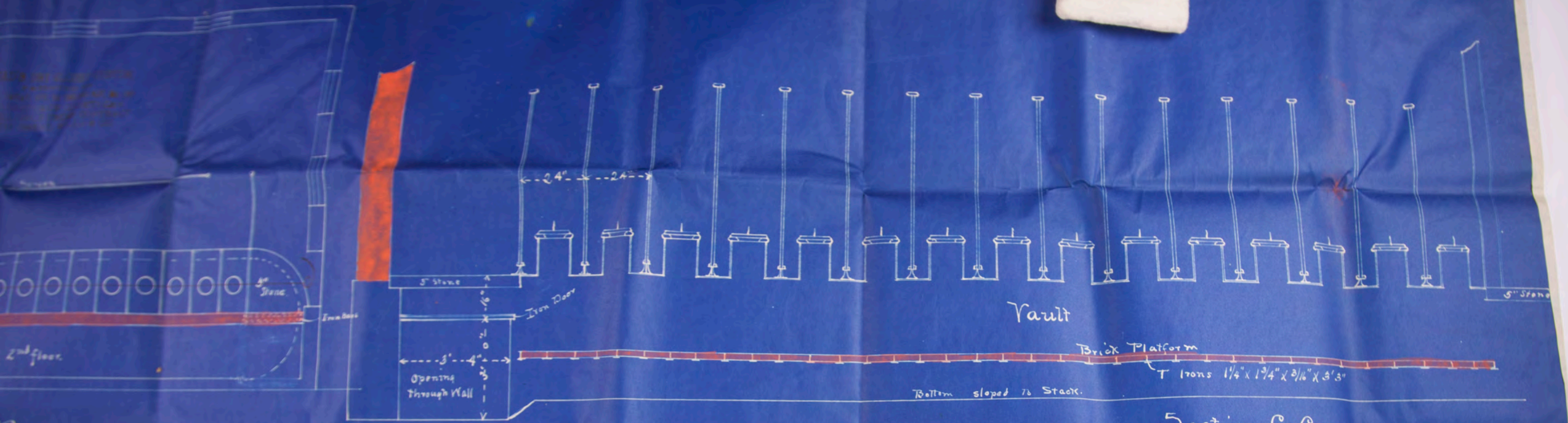


Section C

**SMEAD'S DRY GLOBET SYSTEM**  
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 S. W. SMEAD, 410 N. 10TH ST. ST. LOUIS, MO.  
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Vault

Brick Platform

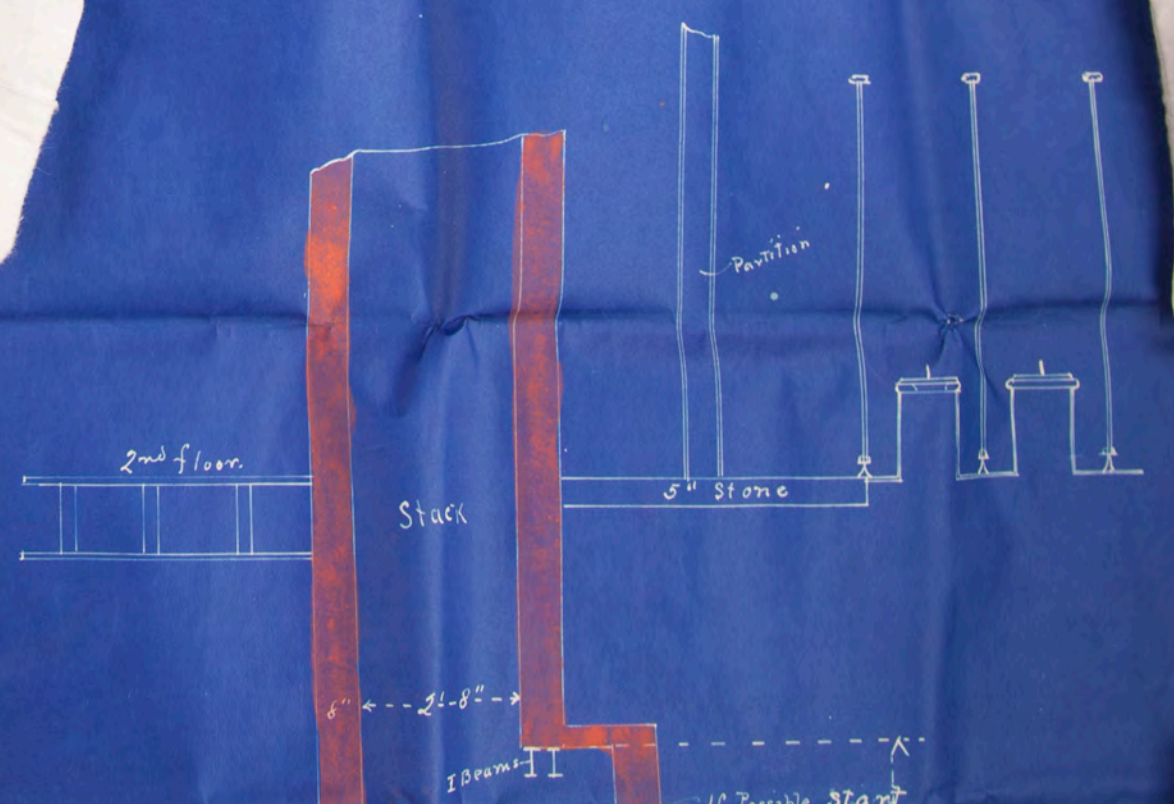
T Irons 1 1/4" x 1 3/4" x 3/16" x 3'3"

Bottom sloped to Stack.

Section C.C.

Scale 1/2" = ft.

2<sup>nd</sup> floor.  
Pan.  
Scale 1/4" = 1 ft.



SMEAD'S DRY CLOSET SYSTEM.  
PATENTED BY  
SMEAD, WILLS & CO., NEW YORK, N.Y.  
THIS SYSTEM OF CLOSETS CAN  
BE USED ONLY UNDER CONTRACT  
WITH SMEAD, WILLS & CO.

If Possible Start

THESE PLANS ARE DESIGNED BY US TO  
PROVIDE FOR THE WARMING AND VENTILA-  
TION OF *Closet School, Indian*  
*Building, Pa. Carlisle*  
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SMEAD WARMING and VENTILATING CO.  

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SMEAD, WILLS & CO.,  
PROPRIETORS,  
417 Locust Street.

Philadelphia, Pa. *6-9-* 18*91*

Iron Bars

11" Wall  
11" window  
11" frame  
11" galena  
11" frame

Plans of Closet Building  
Indian School.

Carlisle  
5-25-91 Pa.  
E.C.H.