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OFFICE OF
INDIAN AFFAIRS

1884

Jd. SEP 6

DEPARTMENT RECEIVED
OF THE
INTERIOR
INDIAN DIV. SEP 13 18844145
36218

R. N. Pratt

Carline

sept. 5. 84

Enc. specifications
 & material for
 Dining Room.
 Wants authority
 to finish it

Tric

File

Transferred to C. Sept 11/84

To Secty. Sept. 12/84

ans. Sept. 16/84

To Secty Oct. 21/84

" Pratt 11/24/84

14/03

His Cook

AUTHORITY,

No. 8650	RECEIVED.
OFFICE OF INDIAN AFFAIR	SEP 15 1884

U. S

Indian Industrial School,

Carlisle, Pa., Sept. 5th 1881

To the Hon.

The Commr. of Indian Affairs,
Washington, D. C.

Sir:-

In connection with my letter of the 3rd inst. in regard to building Dining Room &c. for this School, I forward herewith more detailed specifications to show the material and manner of building it contemplated.

In my letter I said the first story would be fourteen feet; it should have been sixteen feet.

I hope I may receive authority promptly in this matter in order that I may push the building through and have it ready for occupation before cold weather.

Very Respectfully,

Your Obedt. Servant

R. H. Pratt Capt. 10th Cav. Indt.

Specifications for

Work + Material

for Dining Room &c,

Building at Indian

Industrial School, Carlisle

Per
AUTHORITY,

No. **8650**

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SEP 15 1884

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INDIAN OFFICE.

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Inclos: No. /

Specifications of work to be done and Material to be furnished in the erection of a building at Indian Training School, Carlisle Barracks, Pa.

General Dimensions. The main building to have a frontage of One hundred & twenty five feet; depth fifty feet, with a Wing attached of thirty six feet by eighty ft. Also a projection in front of Centre, ten ft. six inches by forty six ft. with a porch in front seven ft. six inches wide. Stories to be 1st Sixteen feet clear; 2nd story twelve feet clear.

Excavation. Cellar under the whole building eight ft. 9 inches deep clear of joist; also cellar necks where marked on plan. All the surplus earth to be used in grading around the building to carry off the surface water.

Foundation Walls. Build an 18 inch Stone Wall all around the building; also Partition walls where marked on plan; build up Chimney, abutments for Range & flue; also put in Stone foundations for piers

One Porch in front 7 ft. 6 in. wide size marked on plan, 13 feet high in clear; Posts 8 in. by 8 in. White Pine Champed Corners, with angle brackets in each corner - Plate to be 4 in. by 8 in. framed on top of Posts; Rafters to be planed + champed sheathed with Virginia Pine flooring beaded, smooth side down. Roof to be hipped and covered with tin; floor to be laid with narrow Georgia pine flooring. Small porches to be placed over all the outside doors where marked on plan, made high enough to clear top of door frames: Posts 5 in. by 5 in., plate 4 in. by 5 in. Cornice to project 12 inches; finished sheathed with V. pine + tin roof; floor laid with heart of Pine.

Cornice

Put up Cornice as per drawing around the entire building, and up all the Gables; to project 18 in. when finished; look out joist 2 in. by 8 in. - 2 feet Centre.

under girders and porches; build 16 inch Stone walls to all cellar necks as high as grade line; all walls to be of good stone found on the ground, well bonded and plenty of through stone to make a good solid wall; Mortar to be made of good sharp sand and fresh burned Lime; all the walls to be neatly pointed outside where exposed above the ground, and pointed or rough plastered inside; the pointing mortar to be at least three weeks old before using.

Cellar Floor.

Break stone finely, over the entire cellar floor to the depth of eight inches; grout them well with grouting composed of fresh burned Lime + sharp sand poured over the entire surface and then cemented carefully with Portland Cement. The Stone wall around the Meat Cellar to be laid in Cement at least two feet high to keep out rats &c.

Brick Work.

Build a thirteen inch brick wall between Kitchen + ironing room to the height of 1st Story and a 9 inch wall to the top of Second Story;

also build brick piers in cellar of Main building 13 in. by 17 inch to support girders of 1st floor; brick for piers to be of good arch or dash red; all other brick to be of good quality and well laid in good mortar.

Outside
Cellar Doors. Provide good white Pine cellar doors, size marked on plan; hung with good strong hooks and hinges and secured with good hasps and staples; frames to be made of 5 in. by 6 inch locust or good white oak.

Cellar Grates
& Sash. Put in good, strong iron grates to all cellar windows in Stone Wall except in Laundry; also inside frames and sash filled with glass and hung with loose joint Butt Hinges and fastened with button inside; the windows in Laundry to be of the size marked on plan & double hung with best sash cord & axle pulleys; the outside of laundry windows to be protected with heavy wire screen about 1 inch mesh; one outside sash door & frame in Laundry.

Frame Lumber.

All frame Lumber to be of good sound Hemlock Sills, 6 in. by 8 in. First Story Girders 12 in. by 12 in. Wing Girders 7 in. by 12 in. Second Story Main Girder 10 in. by 12 in. Corner Posts and Posts where Trusses set on 6 in. by 8 in. all other outside Stud 3 in. by 6 in. and 2 in. by 6 in., plates 2 in. by 6 in. three thickness with joints well broken & spiked together; Rafters 3 in. by 6 in. Purlines 6 in. by 8 in. Ceiling Joist 2 in. by 4 in. Joist bearers 4 in. by 6 in. Partitions on Second Story to be 2 in. by 4 in. all spaces 16 in. centre for plastering.

Joist 2 in. by 12 in. Spaced 16 in. in centre and resting on $1\frac{1}{2}$ in. by 3 in. well spiked to lower edge of girders. The girders on 1st + 2nd story to be tied together every 12 ft. 6 in. with a $\frac{3}{4}$ inch iron rod to prevent spreading.

All joist to be well bridged with two rows of lattice bridging to each span; Partition to have one row of 2 in. by 4 in. bridging in centre

Trusses

Girders 7 in. by 12 in. Rafters and Straining beams 6 in. by 8 in. with Cast iron head or shoe where they butt together; a 1 inch iron bolt at heel and $1\frac{1}{4}$ in. iron suspension rod; also a $1\frac{1}{2}$ in. Rod running down to carry 2nd floor a 1 in. by $1\frac{1}{2}$ in. piece to be well nailed to truss girder to support the ceiling joist.

Roof

To be lathed with 1 in. by 3 in. roofing lath spaced 4 inches and covered with No. 1. 24 in. sawed pine shingles well nailed + joints carefully broken not less than $1\frac{1}{2}$ inch.

Siding

Side the building with No. 1. German Siding free from sap, shakes and loose knots.

Flooring

Lay all the floors with No. 1. Georgia Pine flooring, secret nailed.

Stairs

Build an open stair way, where marked on plan, with rail + baluster, newel post 8 in. by 8 in. neatly turned; other posts 6 in. by 6 in. all of black Walnut, with 4 in. moulded rail

And $2\frac{1}{4}$ in. turned Walnut balusters; also build a good strong pair of steps from laundry to ironing room, and an enclosed stairway to second story over laundry; good strong mill steps to all outside cellar ways

Windows All window frames throughout the building to be box frames with $1\frac{3}{4}$ in. sash, double hung with best sash cord + 2 in. axle pulleys, and all on the 1st story to be provided with good strong sash locks + sash lifts.

Casings Case all windows and doors with 4 in. moulded casing.

Washboard To be 7 in. high with 2 in. moulding on top making it 9 in. high when finished.

Maincotting Maincot the 1st story 14 ft. 6 in. high with clear heart Virginia Pine well oiled + rubbed down.

Doors

All the outside and first story doors inside, to be of $1\frac{3}{4}$ in. in thickness - 4 panels - the panels to be made of narrow yellow pine flooring cut in brace style - corners to be chamfered. All other inside doors to be 4 panel raised & moulded, $1\frac{3}{8}$ in. thick well hung with good strong hinges wide enough to allow doors to open flat against the wall and secured with good rim locks - All the Chamber doors opening into Hall to have transoms over them hung in centre with pivot.

Closets.

Provide all Cupboards and Closets with proper shelves and clothes-hooks as desired.

Plastering

Lath and plaster all the walls and ceilings with three coats of brown Mortar and one white coat, hard finish, to be well troweled to a smooth, hard, glossy finish. Brown mortar to be composed of fresh burned lime; clean, sharp sand and slaughtered hair, well mixed and to be at least four days old before putting on the walls.

Tin Work Put in M. F. leaded tin valleys 20 inches wide Carefully painted two coats on both sides before shingles are put on. Tin roof to all porches painted two sides - Put up large eave gutters with sufficient Conductors to carry the water to the ground.

Painting Paint all the wood work outside with three coats of best lead and oil paint such color as may be desired - Inside work to have three coats pure lead mixed with turpentine in such plain color as may be desired.

Bath room Fit up bath where marked on plan, with two
Water Closet bath tubs and two Water Closets, using the best improved sanitary closet with flushing tank; the closet to have ventilating flue carried to chimney; bath room to be supplied with hot and cold water and fit up in the best style. Lids to Closets to be double hung.

Paper Lining Line the entire outside of building with the best rosin sized building paper carefully

put against the studding before the siding is put on and to be well lapped at the edges.

Glass

Glaze the windows throughout the building with best American glass, well tipped and puttied in. Where glass are sprung to be bedded in putty.

Clothes
Hooks

Put 3 rows strips $\frac{7}{8}$ in. by 4 in. wide beaded on both edges all around Vestibule with hat and coat hooks spaced 8 in. apart.

Tables

Build large stationary tables in Kitchen. Tops to be of $1\frac{3}{8}$ in. clear pine well glued together.

Sink

Make one large Sink in Kitchen lined with best Zinc, with large Waste Pipe to connect with drain pipe.

Porches

Build three porches over outside doors where marked on plan, high enough to get well over the doors.