

T I T L E P A G E

NAME AND LOCATION OF THE WORK:

IN ELEMENTARY SCHOOL
SURRY COUNTY, N. C.

NAME AND ADDRESS OF THE OWNER:

EDUCATION, SURRY COUNTY:
DOBSON, N. C.

ADDRESS OF THE ARCHITECTS:

STINSON, ELKIN, N. C.

DOCUMENTS BOUND HEREWITH
REPRODUCTION OF DRAWINGS:

DRAWINGS 1, 2, 3,

SET NO 9

COPY OF ADVERTISEMENT

NORTH CAROLINA
SURRY COUNTY

Sealed proposals will be received by the Board of Education of Surry County, at the County Courthouse, Dobson, N. C., until August 1st at 2:00 P. M., at which time and place they will be publicly opened and read, for the furnishing of all labor and materials for the alterations and additions to Elkin Elementary School, located in Elkin, N. C.

Consideration will be given only to bids of Contractors who submit evidence showing that the laws of the State of North Carolina pertaining to building contracts and Contractors have been duly complied with.

No bidder may withdraw his bid for a period of thirty days after the opening thereof.

Each proposal must be accompanied by a certified check, drawn on some bank or trust company authorized to do business in North Carolina, made payable to the Board of Education of Surry County, and in the amount of five percent of the bid.

A performance bond will be required in the amount of one hundred per cent of the contract price, conditioned upon the faithful performance of the contract and upon the payment of all persons supplying labor and furnishing materials for the completion of the work. In the event of failure of the successful bidder to furnish said bond and execute the contract within ten days after notice of acceptance of his proposal, the five per cent check will be forfeited to the Board of Education as liquidating damages.

Copies of plans and specifications may be obtained from the office of Franklin & Stinson, Architects, Elkin, North Carolina. Plans and Specifications must accompany bids or same will not be accepted.

Time of completion is an important factor as school will open in September and will be considered in the awarding of contracts.

The board of Education reserves the right to reject any or all bids and to award the contract as it may appear to the best interests of the County.

John W. Comer, Secretary
Board of Education of Surry County

Franklin & Stinson, Architects
This Contract shall include all Elkin, North Carolina, etc., of present stairways back of present stage etc., and the building of four new stairs and walks to Date: July 18, 1940 windows doors etc., as shown or noted on drawings or specified and all materials and labor connected therewith.

All materials that are not to be used shall be kept separate from other materials. This Contractor shall work with other Contractors in regard to fitting, around cutting and patching.

GENERAL CONDITIONS

It is the intention for all new work to match the present existing THE GENERAL CONDITIONS OF THE CONTRACT FOR THE CONSTRUCTION OF BUILDINGS. STANDARD FORM OF THE AMERICAN INSTITUTE OF ARCHITECTS, ARE HEREBY MADE A PART OF AND INCLUDED IN THIS SPECIFICATION, A COPY OF WHICH IS ON FILE IN THE ARCHITECTS OFFICE.

SUPPLEMENTARY GENERAL CONDITIONS.

MEASUREMENTS

Before submitting bid or ordering any material or doing any work, the Contractors shall visit the present building and shall verify all measurements at the building and be responsible for the correctness of same. No extra charge for completion will be allowed on account of the difference between actual measurements and dimensions shown on the drawings; any differences found shall be submitted to the architects and consideration before any work is done.

SHED

If needed, this contractor shall erect a shed on site to store materials during the progress of the building.

WATER FOR CONSTRUCTION

Water shall be obtained from water now at the building but contractor shall pay for same during operation and shall at all times be responsible for damage done during use by his men, usual wear and tear being excepted.

REMOVAL OF RUBBISH

This Contractor shall remove all rubbish from time to time as directed and shall leave the building broom clean. All glass shall be washed and polished, and the building otherwise ready for occupancy. The site is to be free from rubbish before final certificate is given.

ADVERTISEMENT FOR BIDS

All contractors are requested to secure a copy of the legal notice published in conjunction with this work as the stipulations set forth in same will be rigidly enforced in the awarding of contracts and signing of agreements.

SCOPE OF WORK

This Contract shall include all wrecking, tearing out, etc., of present stairways back of present stage etc., and the building of four new stair and smoke towers complete moving windows doors etc., as shown or noted on drawings or specified and all materials and labor connected therewith.

PAINTED BLOCKS, FROM E. ARCHON, ETC.

All materials that is not to be used shall be kept separate from other materials. This Contractor shall work with other Contractors in regard to forming around cutting and patching.

It is the intention for all new work to match the present existing work where possible.

Work not included under this contract:

Plumbing
Set 12" x Heating c. i. Ventilators shown on drawings,
same to be Electric under 'Iron and Steel'.

GENERAL CONTRACT SPECIFICATIONS

EXCAVATION, GRADING & BACKFILLING

Perform all excavation required for footing, foundations, steps, and any other excavation required to complete the work as shown on the drawings, sloping the ground so that water will, at all points, drain away from the building.

At the proper time, backfill around all piers and walls and elsewhere as required to bring the earth to proper levels and grades as shown on the drawings.

MASONRY

Under this contract is included all walls, piers, and all other work wherever indicated on the drawings as being of masonry.

MATERIALS

Brick: All brick shall be as manufactured by Pine Hall Brick and Pipe Company, Winston-Salem, N. C., or equal as approved by the Architects. All brick work showing on face of building shall match the present building as near as possible. Back-up brick shall be #1 common, free from swollen, salmon, or refuse bricks.

Mortar: Mortar shall be mixed in the proportions of one part Flamingo or Brixment to three parts clean, sharp, screened sand that is free from salt, loam or other injurious mater.

MEASURING VOLUME

Proportions shall be accurately measured by the volume in suitable size boxes. No counting by shovels or measuring by wheelbarrows or other approximation will be permitted.

BRICK WORK

Lay all brick from top of concrete to roof of coping as shown on drawings, in a first class workmen like manner. Courses shall match the present building. Brick shall be bonded every fifth course. Back brick shall be laid in a full bed of mortar all head joints shall be shoved. All points shall be filled solid where new walls join old walls, same shall be caulked solid and made water tight.

NAILING BLOCKS, FRAMES, ARCHERS, ETC.

The mason shall build into the walls all frames, nailing blocks, etc., and all counter-flashing strips as furnished and directed by the other contractors. Install in the top courses of wall 1/2" anchor bolts 16" long at intervals of four feet - bolts to be furnished under 'iron and steel' where shown on drawings.

VENTILATORS

Set 12" x 9" stock c. 1. Ventilators where shown on drawings, same to be furnished under 'Iron and Steel'.

CLEANING

Upon the completion of the building, all brick shall be cleaned with muriatic acid and neatly pointed. Clean all mortar from sills or projecting courses before it hardens on them.

Remove from the premises all rubbish, bats, etc., made during the progress of the work or caused thereby.

CONCRETE WORK

The work included in this section of the specifications comprises the furnishing of all concrete necessary to complete the work. This includes footings, steps, sills, floor construction, etc. All work shall be properly protected from the weather and other injury. Damaged work shall be taken down and rebuilt.

CEMENT, SAND & STONE

All cement shall be an approved brand of cement that will meet the latest requirements of the Standard Specifications of the American Society for Testing Materials.

Sand shall be coarse, clean, sharp and free from all foreign matter.

All stone used in plain concrete shall be good hard broken, quarried stone of sizes from 1/2" to 1-1/2", free from dust and dirt. The stone used in reinforced concrete shall range in sizes from 1/4" to 3/4", otherwise same shall be as above specified.

PROPORTIONS

Plain concrete wall from footings to underside of floor joist shall be mixed in the proportions of one part cement, two parts sand and four parts stone.

Reinforced concrete shall be mixed in the proportions of one part cement, two parts sand and four parts broken stone.

Topping shall be mixed in the proportions of one part cement and two parts sand.

Furnish 1/2" x 16" bolts for anchoring at roof.

MIXING CONCRETE

All concrete shall be machine mixed in an approved batch mixer. The ingredients shall be accurately measured for each batch and the sand and cement shall enter the mixer in advance of the stone. All concrete shall be mixed not less than two and one-half minutes in the drum.

The consistency of concrete shall be such that it will show water on top only after tamping.

MEASURING VOLUME

Proportions shall be accurately measured by the volume in suitable size boxes. No counting by shovels or measuring by wheelbarrows or other approximation will be permitted.

CONCRETE FOOTINGS

Unless otherwise noted, footings are to be of concrete as shown on drawings. Footings shall be continuous completely around the building on one level as shown on drawings. Bottom of footings of exterior walls shall be at least 30" below finish grade. Excavations occurring below any footings shall be filled solid with concrete up to the footing.

CONCRETE STEPS

Concrete steps shall be of concrete as noted on drawings.

SILLS & CAPS

Sills and caps shall be poured of 1-2-4 concrete.

FLOORS

Lay concrete floors where shown on drawings.

IRON AND STEEL

This Contractor shall furnish and erect all steel and iron work as shown on the drawings, herein specified or as required to complete the work.

All iron and steel shall be new and shall be carefully and thoroughly cleaned at the shop from dirt, rust and scales and given one coat of paint before shipment.

BUILDERS IRON

Provide all anchors, bolts, clips, ties and all other usual and necessary carpenter's and mason's building iron.

LINTELS

All lintels shall have at least 6" bearing on walls and as noted on drawings.

Furnish 1/2" x 16" bolts for anchoring at roof.

This Contractor shall furnish and install on present roof 10
VENTILATORS to match present roof where the present roof
is now leaking. Roof on present building is metal shingles.

Furnish to mason 12" x 9" stock c. i. Ventilators, as shown on
drawings.

T. C. COPPING

Furnish and install T. C. Copping where shown on drawings.

ROOFING & SHEET METAL, leaving same complete
and perfect in all respects.

This Contractor shall provide and apply all roofs and sheet
metal work including all flashings, gutters, downspouts and
devices for hanging and connecting same and all other sheet
metal work as specified for required to complete the work.

FLASHING

Furnish to mason and carpenter all necessary flashings of 28 ga.
galv. iron to be built in as the work progresses.

FLASHING BLOCKS
After the work of all other mechanics is finished, the plasterer
Furnish and install 4" or equal flashing blocks for cant
strip at roof.

GUTTERS

All new roofs, except as otherwise specified, shall be 28 ga.
galv. iron gutters, properly secured and with proper fall to
conductors to match present gutters.

DOWN SPOUTS

Set down spouts as shown on plans, of 28 ga. galv. iron, size
4" x 4" corrugated, properly secured to wall and connected to
T. C. Shoes furnish by plumber and connected by this Contractor.
This Contractor shall furnish all materials necessary to repair
and replace all old gutters and down spouts on the present building
that is loose, damaged, or otherwise out of commission. All old
materials that is sound may be used.

PREPARATION OF ROOF

Before proceeding with roofing work of any nature whatsoever,
the roofer shall examine all roof surfaces so intended for the
application of build up roof and report for correction any and
all defects therein which will interfere with the execution of
his work.

BUILT UP ROOF

Built up roof shall be type A laid in accordance with Barrett Co.
specifications over wood Deck pitch 1/4" per foot. This Contractor
shall furnish owner 15 year surety bond. Other equal roofs will
be accepted. Providing Mfgs. Spec. are strictly followed.

This Contractor shall furnish and install on present roof 10 squares of roofing to match present roof where the present roof is now leaking. Roof on present building is metal shingles.

CUTTING AND PATCHING

This Contractor shall do all cutting of new and old work included herein that may be required for all fixtures, fittings, piping and other appurtenances abutting or extending through the roofing of sheet metal work, and shall repair all roofing or sheet metal work after the other trades have finished, leaving same complete and perfect in all respects weather-tight.

LATHING AND PLASTERING

The work required under this specification includes all material, labor, equipment and devices necessary for the reasonable incidental to all lathing and plastering, as shown on the drawings or herein specified.

This Contractor shall remove all plaster rubbish and shall leave entire building in broom clean condition.

After the work of all other mechanics is finished, the plasterer shall point up and patch up all plastering, shall rake out for same where necessary to point up around trim, and other set work, and shall leave same complete and perfect at final completion.

PLASTER BOND

Furnish and apply to interior face of all exterior masonry walls where plaster is called for, two coats of Tech Brothers #232 R. I. W. Damp Resisting Paint. Apply this paint in full accordance with manufacturer's directions. Equal products as manufactured by Johns-Manville, or A. C. Horn may be substituted for the above. Damp resisting paint shall be applied to masonry walls behind wainscot.

METAL CORNER BEAD

Apply an approved brand of metal corner bead to all external corners throughout building.

LATHING

Except as otherwise specified, provide and install Rocklath to all frame walls above wainscot and around blackboards.

To Ceiling of Boiler and Coal rooms apply 3.4 lb. galv. metal lath, as shown on details.

All Ceiling of stair and smoke towers shall be of insulating tile, where shown, as specified under carpentry and mill work.

Where wood walls join brick walls, run strips of 2.5 lb. metal lath extending not less than six inches on each wall. Also where new brick work joins old brick work.

FURRED CEILING

Furnish and install Channels as noted on detail for boiler and coal rooms ceilings.

PLASTERING

Except as otherwise specified, plaster all walls, partitions, etc., throughout buildings, that are shown new above wainscot and around blackboards.

Plastering shall be three coat work on Rocklath and metal lath and two coat work on masonry.

And slight irregularities shall be taken care of in the first coat; but in case of serious irregularities, the attention of the general contractor shall be called to same so that such surfaces shall be made suitable for plastering.

The first coat shall be applied with such force as to secure a good key and shall be properly scratched in both directions.

The brown coat will be run true and level, filling all uneven surfaces and shall be hand floated in an approved workmanlike manner.

The final coat shall match present building, clean and without brush marks, stain or defect of any kind. All angles shall be clean, true and perfect.

CARPENTRY AND MILLWORK

All framing and dimension lumber shall be sound second growth N. C. Pine, free from bark, large or loose knots or other imperfections that may impair the strength or durability of same.

SIZES OF TIMBERS

As noted in drawings. This Contractor shall figure 2000' framing including labor for bracing present roof.

STUD WALLS AND PARTITIONS

Studs in walls and partitions 2x4 and 2x6 16" o. c. shall be doubled or trebled at all corners and openings as the case may require, and shall be bridged once, with same stock, in middle of story height.

All partitions shall have shoe plates and doubled caps which shall have been well secured. When joints are necessary, they shall come directly over bearings.

All partitions shall be trussed over openings 3 feet or more in width.

JOIST FRAMING

Joists shall be trebled under all partitions and doubled around openings.

Floor and ceiling joists shall have double herring-bone bridging size 1" x 3" cut to fit and spiked with two 8 nails at the end of each piece. Same shall be spaced approximately 7" 0" c. c.

All blocking up shall be done with slate.

SHEATHING AND SUBFLOOR

Sheathing for roofs, and under floor shall be 7/8" dressed to an even surface and nailed at each joint with two or more 8d nails. Roof sheathing shall be applied horizontally, and sub-floor shall be applied diagonally. All joints shall be properly broken, shall come over bearings and shall be closely butted.

FLASHING

Build in all flashing for roofs etc., as required by the work. Flashing shall be furnished by roofer.

GROUNDS AND BLOCKS

This Contractor shall furnish and install full 7/8" Grounds for plastering (5/8" on masonry walls); wainscot shall have three grounds, top, center and bottom. In stall all grounds for carpentry and interior wood work, for sheet metal work and grounds nailing block for other trades where required.

PRIMING

All exterior frames shall be given one coat of paint before being set. Out side mouldings, etc., shall be primed, including painting of back side before being installed.

BUILDING PAPER

Between sub-floors and finish floor lay a laver of black water-proof building paper weighing not less than 30 lbs. per roll of 500 sq. ft. Johns-Manville or equal.

EXTERIOR FINISH

All outside finish shall match present building.

FINISH FLOORING

All finish floors unless otherwise specified, shall be 25/32" x 2-1/4" and shall match present floors.

WINDOW FRAMES AND SASH

All new windows shall match windows in the present building glazed with double strength 3 glass, back puttied.

DOOR AND FRAMES

Exterior door frames shall be constructed of clear pine 2-1/4" thick, rabbeted for doors as shown in drawings. Exterior doors shall be 2" thick with solid panels and glazed with double strength B grade Pennvernion Window Glass. Provide and install Champion #g5604, 4" brass threshold to exterior doors on first floor. Interior door frames shall be constructed of clear pine with 1-3/4" jambs, trim shall match present building.

Interior doors shall be 1-3/4" thick except as otherwise specified.

All transoms shall be of dimensions as noted, 1-3/4" thick, and shall be glazed with single strength B grade glass.

See Door Schedule, all doors shall be B or better quality.

INTERIOR FINISH

Unless otherwise specified, all interior finish will be first quality, clear, well seasoned and kiln dried materials free from knots, sap, cracks, or other injurious defects, joined together in the best workmanlike manner, drum sanded at the mill and hand sandpapered smooth and clean, free from hammer marks, dents or other defects.

Ceiling of in stair towers and smoke towers shall be Fiber beared applied over furring strips. Strips shall be 3/4" x 3" running across joist, spaced approximately 24" o. c. Furring shall be installed level and true, wedging same down where necessary.

Fiber board shall be Johns-Manville bevel panels with ivory glaze coat surface and lighting joint, size 1/2" x 24" x 24". Same shall be nailed to furring strips every 4" with 13ga. blued lathing nails, 1-1/8" long and having a 5/16" head.

Run 3" mold as shown around ceilings at junction of plaster and tile.

WAINSCOT

All rooms and halls shall have wood wainscoting, v-joint kiln-dried pine. Furnish moulded cap and base to match present.

All wainscoting shall be stained on back and edges before being installed.

Wainscot will be window sill and blackboard height adjoining same and will be three feet elsewhere except as noted.

BLACK BOARDS AND TACK BOARDS

In new class rooms furnish and install Hyleplate Blackboards, as manufactured by Weber Costello Co., Chicago Heights, Illinois, 3' 6" wide. Equal products as manufactured by Beckly-Cardy Co., or E. W. A. Rowles Co., will be accepted. Same to be installed in full accordance with manufacturer's directions. Installed chalk rail, trim and quarter-round to match present building.

ROUGH HARDWARE

General Contractor shall furnish all rough hardware, such as nails, screws, pulleys, window weights, bolts, anchors, etc., necessary to complete the building.

FINISH HARDWARE

This Contractor shall allow the sum of \$550.00 for new hardware. All hardware shall be installed by this Contractor.

If this sum exceeds the purchase price for new hardware the Contractor shall reimburse the owners the difference or vice versa.

PAINTING

Furnish all materials and perform all labor necessary for the completion and proper painting of the building. The materials shall be the best of their respective kinds. Cover all knotty, sappy places, etc., with a good grade of shellac before priming. The painter must see that all woodwork is perfectly clean before painting. This Contractor shall clean all old wood work that paint is damaged or scratched and refinish to match present woodwork. Putty up all defects and nail holes, using care to thoroughly match putty with wood finish, and sandpaper smooth and properly prepare all woodwork before applying second coat.

All paint spots are to be cleaned off glass, walls, floors, etc., at the completion of the building.

All materials used in finishing and painting shall be as manufactured by Sherwin-Williams, Hershberg Paint Co., Dupont or equal. Said materials are to be delivered to the job in original packages, sealed and with labels attached.

EXTERIOR

All exterior doors, sash trim and woodwork shall be given two coats of outside white in addition to priming coat which shall have been given prior to the erection of materials.

No paint shall be applied to wet wood or in unfavorable weather. Apply one coat of Kurfee's best grade of graphite paint to metal roof.

INTERIOR

Unless specified to the contrary, all interior wood work shall be given two coats colors stain to match present wood work.

Wainscot shall be stained one coat on back and edges before being installed.

FLOORS

All new floors shall be oiled to match present.