

CONSTRUCTION SPECIFICATIONS

FOR THE
MATERIAL AND LABOR

TO BE USED IN THE ERECTION OF A

MASONIC TEMPLE

TO BE ERECTED FOR
GRANITE LODGE NO. 322
MOUNT AIRY, N. C.

PHONE 562

P. O. BOX 1476

OFFICE OF

HARRY BARTON
Architect

SUITE 735 JEFFERSON STANDARD BUILDING
GREENSBORO, N. C.

NOTICE TO CONTRACTORS

Sealed proposals will be received ~~Masonic Temple, Mt. Airy~~ according to the conditions herein set forth and fully specified for the erection and completion of said building until Tuesday the 23rd day of December 1930, at 11:00 A.M. o'clock.

PLANS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT
AND MUST BE RETURNED WITH THE PROPOSAL

THE OWNER RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS

COPY NO. 7

SPECIFICATIONS
FOR
CONSTRUCTION
OF A
MASONIC TEMPLE
AT
MT AIRY, N. C.

HARRY BARTON, ARCHITECT
Greensboro, N. C.

December 13th,
1930.

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GENERAL CONDITIONS

"The General Conditions of the Contract," a standard form of the American Institute of Architects, will form a part of the contract, and any bidder not familiar with this form may see a copy at the Architect's office.

FORM OF PROPOSAL AND SIGNATURE:

Proposal must be made on the blank form hereto attached, enclosed in sealed envelope, marked "Proposal", with title of building, and addressed to Mr. John Sobotta, Chairman, Mt. Airy, N. C., stating in writing and figures (without interlineation, alteration, or erasure) the sum of money for which the bidder proposes to supply the materials and perform the work required by the drawings and this specification, and the time within which he proposes to complete the work. The proposal must be signed with the full name and address of the bidder. Proposals received after the time announced for the opening will not be considered. Proposals shall be based upon drawings 1 to 8 inclusive.

BOND:

A surety bond equal in amount to one-half of the amount of the contract shall be required of the successful bidder before work shall have been commenced. The bond shall be furnished by an approved surety company. The most recent form prepared by the American Institute of Architects shall be used.

CONTRACTOR'S LICENSE:

The laws of North Carolina require that each and every general contractor submitting a proposal on this work must give evidence that he is licensed to practice general contracting in North Carolina before his proposal can be given consideration. Each contractor, therefore, shall state in his proposal whether or not he possesses the required license.

SUB-CONTRACTORS AND OTHER CONTRACTORS:

THE SUCCESSFUL GENERAL CONTRACTOR WILL BE REQUIRED TO SUBMIT TO THE ARCHITECT A LIST OF HIS PRINCIPAL SUB-CONTRACTORS IMMEDIATELY AFTER THE AWARD OF THE CONTRACT SO FAR AS IS FEASIBLE, BUT IN NO CASE MORE THAN FIFTEEN (15) DAYS AFTER THE AWARDED OF THE GENERAL CONTRACT, AND THIS LIST OF SUB-CONTRACTORS SHALL BE SUBJECT TO THE APPROVAL OF THE BUILDING COMMITTEE AND THE ARCHITECT.

ALL THE DIFFERENT CONTRACTORS AND SUB-CONTRACTORS ARE TO CO-OPERATE ONE WITH THE OTHER THAT A HARMONIOUS WORKING ORGANIZATION MAY ALWAYS EXIST ON THE BUILDING.

PAYMENTS:

Payment of 90 percent of the value of the work executed and material satisfactorily placed on site, as ascertained by the Architect, acting through his superintendent, will be made monthly, and payment of the 10 percent retained will be made after the final acceptance of all materials and workmanship embraced in the contract, but payment will not be made until every part of the work to the point for which payment is claimed is satisfactorily supplied and executed in every particular and all defects therein remedied to the satisfaction of the Architect.

ESTIMATE:

Immediately after the contract has been signed, the contractor shall furnish the Architect with a copy of his itemized estimate, same to be used in connection with checking the monthly statements of the contractor.

ALLOWANCE:

The contractor shall include in his proposal the sum of \$300.00. This allowance is set apart for the purpose of covering such small items that would be figured as extra items during the construction of the building. Should any part of this amount not be used, the same shall be deducted from the amount of the contract before final settlement is made.

EXTENT OF WORK:

This specification contemplates the construction of the entire building, exclusive of heating, plumbing, and electric wiring, and such other items specified or noted. The general excavation and the granite facing will be furnished by the owners.

LOCATION OF BUILDING:

The building will be located on the property of Granite Lodge No. 333 located on Franklin Street between Market and Willow Streets.

SITE:

Contractors estimating on the work will visit the site and familiarize themselves with existing conditions.

by the construction of work, frost or other influences.

LAYING OUT:

This contractor shall lay out the lines of the building and establish the levels at bottoms of trenches, floor datum lines, etc. He shall also set permanent batter boards so located that they will not be disturbed by the building operations and the location of points of the building shall be clearly marked on these boards.

PERMITS:

This contractor shall take out from the proper authorities all the necessary permits required for the entire construction of the completed building, assuming the responsibility and including all the cost of same in his estimate.

CLOSET:

This contractor shall furnish the wood enclosure ^{and provide} and keep in sanitary condition as per Local and State Health Office requirements, two outside water closets for the free access of both colored and white men employed on or about any part of the building, and shall on completion of said building, remove any trace of same.

EXPLANATION OF DRAWINGS:

The general character of the detail work is shown on scale drawings, but minor modifications may be made in the full size drawings, and the contractor must not get out any part of the work requiring details until he has received the same.

Where the word "Similar" occurs on the drawing, it must be used in its general sense and not as meaning identical, and all details must be worked out in relation to the location and connection with reference to other parts of the work.

EXCAVATING AND GRADING

The general excavating will be done by the owners. The trimming of the excavation and excavation for all footings to such depths as indicated on drawings shall be included in this contract. In case solid earth is not encountered at the depth shown, the contractor shall extend the excavation until solid earth is found, and will notify the Architect and make a separate estimate of the extra excavation and masonry work before such work is begun.

Where the earth will stand, it shall be cut to the exact size for footings; otherwise, forms must be used, the planks to be removed before backfilling is done.

The bottom of all excavations shall be to the exact level and any place excavated deeper shall be filled with concrete as the use of earth for such backfilling will not be permitted.

All excavations must be kept free from water during the time that concrete and masonry are being placed.

All footings shall bear upon hard, dry, natural, undisturbed earth. The contractor will be paid at the current unit price of earth excavation and concrete, should the depth or width of any of the footings be increased by the Architect.

All backfilling shall be done with clean earth, which shall be tamped or puddled. Any backfilling done before it is ordered or any earth which caves against foundations shall be removed. Surplus earth excavated by this contractor shall be removed from the premises.

Fill in and thoroughly tamp around all walls and piers when well set, and level and tamp thoroughly for concrete floors.

All grading necessary to bring the ground up to final elevations must be carefully done. No material containing rubbish or broken brick or tile shall be used in back filling.

SUB SOIL DRAINS:

A line of 4" agricultural drain tile shall be installed inside of footings around whole basement, and six lines across building under basement floor equally spaced and graded toward the alley, and connected to drain to sump pit. The tile shall be 4" agricultural drain tile with open joints covered with burlap. The pipes shall be surrounded with broken stone. These lines shall be collected and run to a concrete sump pit in the boiler room. The draining of this pit is specified under plumbing. Provide cast iron frame and cover over the sump pit.

CONCRETE AND CEMENT WORK

EXTENT:

The concrete work will consist of footings under all walls

and piers, basement floors, and toilet floors, and all other cement work required to complete the work as shown or required.

CEMENT:

Cement may be any one of the standard brands of Portland Cement, subject to the approval of the Architect. It shall be delivered at the site in the original unbroken packages, in good condition, and must be protected from moisture until it is used.

LIME:

Lime shall be mill hydrated.

SAND AND AGGREGATE:

All sand shall be sharp, coarse and clean and well graded. Stone or gravel shall be hard. All aggregate shall be free from ash, coal or other deleterious matter. Samples shall be submitted to the Architect for approval before any of this material is delivered.

Aggregate for footings shall pass a 1-1/2 inch mesh and for all other purposes a 3/4 inch mesh, and all aggregate shall be retained on a 1/4 inch mesh, and shall be a uniformly graded mixture between limits specified.

MIXING CONCRETE:

All concrete shall be mixed in a approved rotary batch-mixing machine. The material must be first measured in the specified proportions and placed in the mixer, and then drenched with the requisite amount of water.

The material shall then be thoroughly and uniformly mixed before placing it into the work.

Any concrete which has not been placed before initial set occurs, shall not be used in the work.

The concrete in connection with reinforcements shall be wet enough to permit pouring it in place, but of a consistency that will support the aggregate and not be sloppy, nor permit the separation of the component materials while being handled. When placed it shall be lightly jarred with a tamper to cause it to come in close contact with the metal, but it must not be tamped so as to displace the same.

All other concrete shall be a dry mixture and it shall be tamped until free mortar appears on the surface.

FOOTINGS:

Concrete footings shall be composed of 1 volume of cement, three of sand, and five of stone or gravel aggregate.

BASEMENT FLOOR, ETC:

The floor throughout the basement shall be of concrete, 4 inches thick, exclusive of finish coat, and be composed of 1 volume of portland Cement, 3-1/2 of sand, and 4 of stone or gravel aggregate, and reinforced with 6" x 6" mesh No. 10 gauge welded wire fabric or equal. The finish coat shall be as herein after specified. Form ash pit under boiler.

CEMENT FINISH:

All concrete floors except in Banquet Hall and Women's Toilet room shall have cement finish 3/4 inch thick, composed of 3 parts fine sharp, clean, screened and washed sand and 1 part Portland Cement; all cement finish shall be applied within thirty (30) minutes after the concrete slab has been poured.

The finish shall be thoroughly screeded and troweled to a solid mass with a smooth, dense perfectly level surface, free from discolorations, trowel marks and other imperfections. Expert cement finishers must be employed as poor cement floor work will not be tolerated.

CEMENT BASE:

Where cement base is required, it shall be of the same finish as specified for cement floor. The cement base shall be finished flush with the metal base screed specified under BLASTERING.

The base shall be 6" high, run true to line, be finished smooth and intersect the floor with a 1" cove. Cement plinths shall be provided in connection with cement base.

WATERPROOFING AND HARDENING:

All cement finished floors shall be waterproofed with Anti-Hydro Waterproofing Compound. The cement floors shall be hardened with "Lapidolith", manufactured by L. Sonneborn Sons, Inc., New York, strictly as per manufacturer's directions.

MEMBRANE WATERPROOFING:

Banquet Hall floor shall be waterproofing

over the concrete base, and turned up 6 inches along the walls. The materials shall be the Barrett specification or American Tar Products Company as furnished for their Type "A" or ATP, 3 ply roof for use on poured concrete.

It shall be applied as follows: The concrete shall be uniformly coated with pitch, over which lay three plies of tarred felt, lapping each sheet twenty-two inches over preceding one, mopping with specification Pitch the full 22" on each sheet so that in no place shall felt touch felt. Over the entire surface pour from a dipper a uniform coating of pitch. The felt shall be laid without wrinkles or buckles and not less than 175 pounds of pitch shall be used over one hundred square feet of waterproofing.

For damp-proofing of walls see plaster specification.

STONE WORK

All granite stone facing shown on drawings, including window sills will be furnished by the owners, dressed ready to be set in walls. This contractor shall haul this stone from the Mt. Airy Granite quarry to building and set same complete in wall. The stone will be loaded on the contractor's trucks at the quarry.

GRANITE:

All stone shall be of medium light grey Mt. Airy Granite. All granite except as otherwise noted or specified shall be tooled to finish 6 cut. The face of the corner stone shall be polished.

SILLS IN BRICK WALLS:

Shall be rock face without large projections.

SHOP DRAWINGS:

Drawings in triplicate, indicating the jointing and beds of all stone work must be furnished for approval. Stone facing shall extend nowhere less than 4 inches below the grade.

CUTTING:

All projecting members of moulding which are subject to pressure shall have seats cut so as to prevent spalling. Sills shall have raised fillets at the back.

Where not otherwise indicated, the courses of stone shall

be not less than 4 inches thick and in any case must be thick enough to bond well with the brickwork.

Beds shall be full, at right angles to the face; vertical joints shall be point dressed for a distance of 2 inches back from the face, from which point the stone may be pitched off not exceeding 1 inch.

Stone steps and platforms not otherwise indicated shall have wash of $1/8$ inch per foot.

Stone with less than 9 inch beds shall be anchored with 3 metal anchors.

DELIVERY AND PROTECTION:

All stone must be delivered at the site in perfect condition and properly marked for identification. Competent workmen must be employed to unload and store the stone at the site. Stone must be protected until it is set.

The general contractor must protect all stone work from the time it is set until the completion of the building.

SETTING:

All stone shall be set accurately, true to line, plumb and level, by experienced stone setters. All joints shall be thoroughly filled with mortar and face joints shall be uniform and not exceeding $1/4$ inch. The mortar shall be raked out $3/4$ inch deep for pointing and the face of the stone sponged off with clean water, removing all excess mortar from the face of the stone. Mortar is specified under brickwork.

POINTING:

Shall be done with Portland Cement and lime mortar in a neat and thorough manner. The finished joints shall be of uniform width, flat and flush with the surface.

CLEANING:

All stone work and face brick shall be cleaned with an approved wash which shall be free from coloring.

CORNER STONE:

Corner stone shall have cavity cut in same $5\frac{1}{4}$ " x $6\frac{1}{4}$ " x $12\frac{1}{2}$ ". The face of the stone shall be polished and lettered as directed by the Chairman of the Building Committee.

BRICK WORK

BRICK:

All common brick shall be uniform in size, hard-burned, firm in texture, and free from laminations or other defects.

All face brick work shall be selected common brick, except for facing and hearth of fireplace use selected pressed brick of a light shade. Samples of brick to be submitted to the Architect for approval.

As soon as the brick are delivered on the site, they shall be covered and kept dry until used.

LAYING:

Every sixth course in height of common brick work shall be an overlapping header course to extend through the walls, except where face brick or stone facing occurs.

All brick laid during hot and dry weather shall be thoroughly drenched before being laid.

The first five courses above the footings in basement portions shall be laid in mortar waterproofed with Anti-Hydro Waterproofing, used in strict accordance with the Manufacturer's directions.

All face brick shall be laid with every sixth course a full header course, overlapping the common brick.

Lay all brick with close joints, rubbing each brick in a full bed of mortar and FILL ALL JOINTS. The face brick work must be kept clean and the walls kept covered except during working hours.

Where brick work is covered by other materials, cut the mortar off flush with the brick work, elsewhere strike all joints, including joints in facing below grade.

Face brick work shall have a struckweathered joint.

SAND FOR BRICKWORK:

All sand shall be clean, sharp, well graded and free from loam or other deleterious matter.

MORTAR:

All mortar for brick and stone work, unless otherwise specified, shall be composed of 1 volume of Flamingo Hydraulic Lime, 3 volumes of sand.

All walls must be built uniformly one scaffold high at a time, be plumb, true to line, and have horizontal joints level.

Counter flashings shall be built into the masonry, see Roofing Specification.

ARCHES:

Arches the full thickness of the walls or the full depth of reveals shall be turned over all openings not otherwise indicated. Arches in common brick work must spring from extreme ends of centers.

All arches must be turned on strong centers, which must not be struck until the mortar has set.

FIRE BRICK:

The fireplaces shall be lined with fire brick.

FLUE LINING:

Shall be the best quality and of the shapes and sizes indicated.

WALL COPING:

Shall be the best quality, hip shape, vitrified and glazed.

STRUCTURAL STEEL AND METAL WORK

STEEL:

All structural steel must be medium steel, conforming to manufacturer's standard specifications, of uniform quality, be furnished straight and smooth, free from rust and scale, free from defects, and full weight called for. Any approved steel shapes which will not change the architectural lines may be used in lieu of those shown, provided they are of equivalent strength.

WORKMANSHIP:

Sp and field connections shall be riveted where possible, but where this can not be done, they must be bolted. The diameter of the punch shall not exceed that of the rivet nor the diameter of the die that of the punch by more than 1/16 inch, and all

holes must be clean out, without ragged or torn edges.

Holes must be spaced so accurately that when the parts are assembled, the hot rivets will enter without being distorted. Where holes need enlarging, it shall be done by reaming. Rivets shall have standard heads concentric with the shaft with full bearing on the surface, and must be tight when upset. Shop rivets must be machine driven.

Where bolts are used the holes must be reamed to exactly match the bolts turned to a driving fit, the nuts drawn up tight and the ends of the bolts upset.

Built-up members shall be straight and true and free from open joints.

SHOP DRAWINGS:

Shop drawings in triplicate, bound in sets, of all structural and other steel and iron work, shall be forwarded for approval of the Architect.

SETTING:

All steel and iron work must be accurately set and substantially secured in place as the work progresses. The contractor will not be permitted to proceed with the masonry, leaving openings into which to install steel later. The ends of all beams and girders resting on masonry shall be set upon bearing plates which, unless otherwise indicated or specified, shall be in accordance with the latest standard practice. All bearing plates shall be set level in cement mortar and only steel plates or shims shall be used for leveling. Provide wall anchors for all beams.

PAINTING OF STEEL WORK:

All steel work, (except reinforcing steel) shall be thoroughly cleaned of scale, grease, rust, dirt, etc., and given a shop coat of red lead. After erection, all metal work shall be given another coat of paint of different color. Parts inaccessible after erection shall be given two coats before.

Surfaces in contact shall each be painted a heavy coat before assembling.

All paint shall be composed of 20 pounds of red lead to 1 gallon of linseed oil. All paint must be kept well stirred while being applied and must be evenly brushed on. All work

shall be clean and dry while being painted, and each coat shall be thoroughly dry before the next is applied.

Provide necessary bolts, rods, joist and other anchors and such other miscellaneous iron required to complete the work as indicated. For reinforcing steel see "Concrete Floors."

ORNAMENTAL AND MISCELLANEOUS IRON WORK

SCOPE OF WORK:

This contractor shall furnish all labor and material required to set complete in the building all ornamental and miscellaneous iron, in accordance with specifications and drawings. This work shall include thresholds, grilles, and any other miscellaneous iron, brass, bronze or steel work called for on drawings.

METAL:

Wrought iron shall be tough, fibrous, and of uniform character and of perfect manufacture.

Members in contact, not otherwise indicated, shall be welded. Where this can not be done, they shall be riveted. Wide bars shall be punched for small bars to pass through, the small bars to be secured with pins.

All sizes of members, where not given, shall be sufficient for strong work, and all joints shall be of such a character that they will be as strong and rigid as adjoining sections.

ANCHORS:

All anchors in connection with masonry shall be built in as the work progresses. Turned anchors for stone work shall not be less than $3/16"$ x $7/8"$, be turned at the ends at least $1"$ and extend into the brick masonry at least $8-1/2"$. Bolts for securing stud partitions against masonry walls shall be $3/8"$ x $8"$ spaced $3'-0"$ apart.

Joist anchors shall be $1/4"$ x $1-1/4"$ x $3'-6"$ on every fifth joist.

Any additional anchors or steel work to those indicated that may be necessary for the proper support and anchoring of stone or other work must be provided.

CAST IRON SINK, SINK AND AIRSPROUT COVER PLATES SHALL
be as indicated on drawings.

THRESHOLDS:

Front

Threshold in connection with entrance doors shall be of
brass with channelled upper surface as detailed. Fire exit door
shall have 4" steel threshold.

SUMP PIT FRAME AND COVER:

Furnish 12" x 12" cast iron frame and cover.

MAT DECESS FRAME:

Shall be of 1 1/2" steel angles.

CLEANOUT DOORS AND ASH DUMPS:

Furnish to the contractor in time to build in chimneys
12" x 12" cast iron doors and frames. Ash dumps to be tilting
type with frame approximately 7" x 9".

FIREPLACE DAMPERS:

The two fireplaces shall have H. W. Covert Company No.
438 Improved Damper, Series D.

STEEL SASH:

The boiler and fuel rooms shall have basement window type
of steel sash with hardware complete.

WROUGHT IRON WINDOW GUARDS:

The basement windows on the front of the building shall
have wrought iron guards. The vertical members shall be 7/8"
round and the horizontal members 3/8" x 2", let into the gran-
ite 3 inches, and leaded in place.

WIRE WINDOW GUARDS:

The basement windows along the alleys shall have woven wire
window guards of No. 10 wire, 1 1/2" mesh, 3/8" round steel frames
with malleable iron hinges and hasp for padlock; (Acorn Wire and
Iron Works or equal). Equip with brass padlocks which can be
unlocked with one key. Provide three keys.

TOILET STALLS AND PARTITIONS:

Shall be metal as made by Henry Weis Manufacturing Co. or
the Atlanta Sheet Metal Works, with doors and hardware complete,
including toilet paper holder in each stall. The finish shall
be gray enameled enamel. Finish marred in shipment or erection
shall be refinished with enamel to match in color the factory
finish. Stalls and partitions shall be rigidly secured to floor
and walls.

FOLIAE METAL WINDOW:

Shall be as manufactured by the Willis Manufacturing Co. or equal.

BRONZE LETTERS:

Shall be as detailed.

ROOFING AND SHEET METAL

GUARANTEE:

All work in connection with the roof not covered by guaranty bond hereinafter specified, must be maintained water-tight for a period of one year from the date of final settlement for the contract, and should defects of any description either in workmanship or material develop within that time, the contractor shall immediately, when called upon by the Architect, without additional expense to the owner, make good the roof in every particular and any work or materials displaced in repairing or replacing such work shall be made good and the work left in perfect condition.

ROOFING:

The roofing shall be Barrett specification type "AA" roof, or American Tar Products Company 5 ply roof for use over boards, laid in strict accordance with the manufacturer's specification.

MATERIALS:

There shall be used one thickness of sheathing paper weighing not less than 5 lbs. per 100 sq. ft. and five thicknesses of approved tarred felt weighing not less than 14 lbs. per 100 sq. ft., single thickness. The slag shall be graded from 1/4 to 3/8 inch in size, dry and free from dirt.

APPLICATION:

FIRST: Lay one thickness of sheathing paper lapping each sheet 2 inches over the preceding one.

SECOND: Lay over the entire surface 2 thicknesses of tarred felt lapping each sheet 17 inches over the preceding one. Nail as often as may be necessary to hold the sheets in place.

THIRD: Apply over the entire surface a uniform coating of pitch.

FOURTH: Lay three thicknesses of approved tarred felt, lapping each sheet 22 inches over preceding one, mopping with approved pitch the full 22 inches on each sheet, so that in no place shall felt touch felt.

FIFTH: Over the entire surface pour from a dipper a uniform

coating of approved pitch, into which while hot embed not less than 300 lbs. of slag for each 100 square feet.

GENERAL:

The felt shall be laid without wrinkles or buckles; not less than 150 lbs. of Pitch shall be used for constructing each 100 square feet of completed roof, and the pitch shall not be heated above 400 degrees Fahrenheit.

The roof and roof flashings shall be applied by a roofing contractor approved by the company which furnishes the tarred felt and tar. He shall furnish the company's Surety Bond Guaranty issued by the U. S. Fidelity & Guaranty Company of Baltimore, Md., covering a period of twenty years from date of completion.

FLASHINGS:

The composition roof shall have sheet metal base flashings and counterflashings. The base flashings shall be applied in accordance with the Barrett or A. T. P. Flashing specification for metal cap and base flashing for a roof guaranteed for 20 years.

The cap flashings shall be built into the brick walls for a distance of four inches and turned up one inch behind the first course of brick and down the face of the wall four inches overlapping the base flashing at least two inches. End laps shall be at least two inches and soldered.

The base flashings shall be set, extending out on the roof four inches, and up the vertical surface not less than 10 inches. The flashings shall be nailed to the roof deck with barbed roofing nails spaced not more than three inches apart.

SHEET METAL WORK:

All sheet metal flashings, counterflashings, down spouts, down spout heads, straps, ventilators, etc., shall be of 26 gauge Lyonsreor Toncon metal.

ROOF SCUTTLE:

Shall be covered with 40 Lb. tin.

COVERING OF WINDOW SILL:

Shall be 26 gauge sheet metal. (G. I.)

VENTILATORS:

Shall be "Arex" or "Rust" manufacture, of sizes indicated.

COPPER CAP:

The front entrance doors shall have 16 oz. copper cap turned 3/8" on face of doors and tacked with copper nails.

VENT DUCTS:

The two exhaust vent ducts from the Lodge room shall be of 25 gauge galvanized iron and connected to ventilators on the roof. Ducts shall be made up in the most approved manner. The grilles over the intake to these ducts and the two grilles in step risers near the univent heaters shall be standard mesh 7/8 inch square, steel grilles, Tuttle & Bailey Company or equal.

CORNER STONE BOX:

Furnish box 5" x 6" x 12" of 12 oz copper for corner stone.

TILE

In the woman's toilet room there shall be a gray and white 3/4 inch ceramic tile with a gray ceramic tile border. Provide 6" white tile base with cove and tile plinth blocks to match. Tile shall be best grade.

At the front entrance there shall be 6" x 8" brown quarry tile as indicated.

NOTE: The cement base of fill under the tile shall be included in the tile contract and shall be composed of 1 part Portland Cement and four parts sand, reinforced with hog wire or equal.

PLASTERING.

DAMP-PROOFING:

The interior of all exterior brick walls to be plastered with gypsum plaster shall be thoroughly sprayed with Truscon "Plaster Bond", Flintkote or Toch Bros. "R. I. W." Damp Resisting Paint, strictly in accordance with the manufacturer's directions, to seal the walls against the penetration of dampness and provide a bond for the plaster.

EXTENT:

Unless otherwise specified, or indicated, all walls and ceilings including soffits of stairways throughout the building shall be plastered.

METAL LATH:

An approved make of metal lath with ribs, Truscon 1-A metal lath or equal, weighing not less than 3 lbs per square yard, coated to prevent rust, shall be used throughout. The lath shall be applied to wood studs and joists in the most approved manner and shall lap masonry at least 4" at all angles and be nailed to same.

PLASTERING:

All plastering in finished portions shall be three coat work, except the finish coat may be omitted back of base and wainscot. The finish coat shall be what is commonly known as sand finish or smooth plaster finish, as listed on the schedule of finishes.

All walls and ceilings must be swept clean and the masonry and concrete wet immediately before plastering.

Exterior Vertical angles, not otherwise protected, shall have approved metal corner beads full height of corner of angle.

Corners of all windows and other openings where plaster turns into jambs shall have metal corner beads.

Corner beads shall weigh at least 2 lbs per linear foot and have 2-1/3" wide expanded metal aprons integral with the bead.

Curved point metal base screeds, Truscon #499 or equal, shall be used where ever cement base occurs.

The plaster, except Portland Cement Plaster shall be the product of Southern Gypsum Company, U. S. Gypsum Company, National Gypsum Company, or King Windsor's Brand cement plaster, put on in accordance with manufacturer's directions.

Sand shall be sharp and free from loam or deleterious matter. For the sand finish coat, Yellow Aberdeen sand, washed clean, shall be used. It shall be screened through a No. 10 screen.

NUMBER OF COATS:

Except where a less number of coats is required, all surfaces required to be plaster finish shall receive scratch, brown and finish coats. The brown coat shall be brought to a true plane and allowed to become perfectly dry before the finish is applied and before applying the finish coat, the browning is to be sprinkled with clean water. Where picture moulding grounds do not occur near the ceiling plaster screeds shall be run. The brown coat shall be screeded with straight edges extending from ground to ground or from ground to plaster screed strip.

The scratch and brown coats of plaster shall be thoroughly combed with a piece of metal lath before the plaster sets. Each coat shall be thoroughly dry before the next coat is applied.

White coat finish shall consist of high grade hydrated lime putty and plaster of Paris, troweled to a smooth, true finish, free from trowel marks, streaks and blotches.

Sand finish shall consist of hydrated lime putty and sand, gauged with Keen's Cement, applied in two thin applications and floated to a true plane surface of uniformly fine texture.

ORNAMENTAL PLASTER:

Cornices and beams shall be run true to profiles shown by details. Plaster nowhere shall be more than 2" thick, shall be true to line and finished hard and smooth.

WATERPROOF PLASTER:

The scratch and brown coat for the exterior walls of the basement shall be of one part Portland Cement and three parts sand, waterproofed with Anti-Hydro waterproofing paste in strict accordance with the manufacturer's directions.

The second coat in the unfinished boiler and fuel rooms shall be troweled to a dense smooth surface. Elsewhere, it shall have sand finish or white coat as listed on the schedule of Finishes.

SOUND ABSORBING PLASTER:

The surface of the banquet hall ceiling between beams shall have finishing coat of "Sabinite Acoustical Plaster", as manufactured by the United States Gypsum Company, and applied in two successive coats, each 1/4" thick, or "Macoustic" plaster manufactured by the Macoustic Engineering Company, Inc., Cleveland, Ohio, applied 1/2" thick. Finish in either case to be stippled, application in either case to be in strict accordance with the manufacturer's specification and color to be integral light cream.

PATCHING:

Do necessary patching after other craftsmen have completed their work.

POOR PLASTER WORK WILL NOT BE TOLERATED.

ROUGH CARPENTRY.

FRAMING:

All dimension lumber, unless otherwise specified, shall be structural square edge and sound grade of N. C. Pine, full dimensioned, all as well seasoned as possible, and cross-stacked on the premises to permit air passage until ready for use. Floor joists and studs shall have edges only sized. Floor joists shall be crowned, and long spans temporarily supported at center until ready for lathing.

Sizes and spacing shown on plans shall be carefully followed. All work to be thoroughly prepared and erected in a workmanlike manner. All spans of joists over 12 feet to have

two rows of 1-1/2" x 3" bridging, spans 12 feet or less to have one row. All to be neatly fitted and accurately and securely nailed. Bridging is not to be nailed at the ceiling until the building is ready for lathing. Joists to be doubled under all parallel partitions. Bridge all partitions once in their height with 2" x 4" stock. Build "T" studs for all angles, double the studs at openings. All crooked studs shall be removed or straightened to a true plane. All partitions and walls to have sill at bottom and double plates at top. Where door posts occur between two joists, blocking the full depth of joists shall be securely nailed to joists. Every fifth floor joist shall be anchored to the brick wall with metal joist anchor.

FLOOR SCREEDS:

There shall be 2 1/2" x 3" heart pine creosoted, beveled floor screeds in banquet hall where membrane waterproofing occurs. The screeds shall extend crosswise of the room and be bedded on the waterproofing with 1-4 cement mortar, and secured by 1-3-5 concrete fill between the screeds, smoothed off 1/4" below top of screeds.

ROOF SHEATHING AND SUB-FLOORING.

Roof sheathing and sub-flooring shall be T & G No. 1 N. O. Pine sheathing boards dressed on ONE SIDE only, secured with two 8-penny nails at each bearing. No two or more consecutive end joints shall be made at the same bearing. Sub-flooring shall be laid diagonally across joists and screeds, and where it occurs in basement, it shall be dipped in creosote.

WOODWORK:

Full sized sections and profiles will be furnished for work where required. Other work to be stock design and detail as far as feasible, and to be in accordance with the best practice.

All exterior woodwork, except as otherwise specified, shall be well seasoned No. 1 N. O. Pine, worked in accordance with design and details and erected in accordance with the best practice. Use a thick coat of white lead or waterproof glue as required to make all joints tight and waterproof.

EXTERIOR DOOR FRAMES:

The front exterior door frame shall be worked from 3 inch thick stock. Fire exit door frame from 2" stock.

DOUBLE-HUNG WINDOWS:

All double hung windows to have necessary pockets, etc., and be provided with No. 31 -E Axle-Bearing Anti-Friction "Grand Rapids", pulleys. The sash shall be hung on Samson Spot Cash Cord of ample strength with cast iron weights.

The sills of all exterior window frames shall be from solid heart 3" stock, plowed or rebated to receive the fillets on masonry sills. Pulley stiles shall be 1-1/8" thick. Frames resting on masonry shall be bedded in mortar. The frames shall be anchored with holdfasts of galvanized iron not over 3 ft. apart. The brick mouldings shall be nailed so that they can be removed for caulking without damaging the moulding.

Caulking, etc: All exterior window and door frames shall be tightly caulked with oakum and a mastic caulking compound before the brick mouldings are permanently nailed in place.

SASH:

The transoms shall be the same thickness as the doors over which they come.

All sash shall be rebated for securing the glass with putty on exterior and glazing beads on interior as may be required. All sash shall be of No. 1 white pine generally 1-3/4" thick. Bottom stiles shall be 3 1/2" wide. Sash shall be primed with white lead and linseed oil paint before being glazed.

INTERIOR FINISH.

SCOPE OF WORK:

Include all interior finish whatsoever required for the full completion of the building, made according to detail drawings, both scale and full size.

All work shall be carefully sand papered, both by machine and hand, ready for painter's finish. No trim shall be spliced. All trim shall be plowed on the back. All corners shall be mitred and aprons returned on themselves.

All interior finish, including doors, stair treads, and nosings to platforms and steppings in lodge room, shall be No. 1 first quality clear White Oak, except where Pine finish is listed in the schedule. Pine shall be N. C. No. 1 grade.

INTERIOR DOOR FRAMES:

All interior door jambs and heads shall be 1-1/8" thick, exclusive of 1/2" adjustable stops.

DOORS:

The front entrance doors shall be of white pine of design shown, built up of three thickness of 3/4" boards doweled and glued together to form 3-1/4" thick door. All mouldings to be worked on the rails and stiles. All interior doors shall be 1-3/4" thick of the design shown and of a make approved by the Architect, Morgan or equal. Built-up stiles and rails veneered with Oak, with plain three-ply panels, moulding and stop beaded for glass where glass is to be used. Fire exit door shall be 1-3/4" white pine.

PANELLING:

Panel framing may be solid or veneered. Panels 10" wide and less may be solid. Panels over 10" wide shall be ply wood veneered on each side. The grain of the veneers shall run across that of the core. All veneers shall generally run parallel with the long axis of the panel.

Mouldings shall be worked on the stiles and rails except in doors where glass occurs the inner moulding shall be loose. No other loose mouldings will be permitted.

GROUNDS AND FURRING:

Put up straight and true plaster (3/4" x 1-3/8") grounds for all finish.

Furring shall be installed where required for beams, etc.

CEILING:

Where ceiling is called for, it shall be 3/4" V joint T & G ceiling, not more than 3-1/4" face width.

SHELVING:

Provide No. 1 pine shelving where shelving is indicated.

TRIM:

There shall be wood window sills and aprons and frame casing, mouldings and stop beads in one piece lengths for all windows.

Trim shall be as detailed, mitred at top and with plinth blocks at floor.

WOOD BASE:

All rooms, corridors and closets shall have base and shoe mould as detailed.

STAIRS:

All wood treads for stairs shall be 1-1/8" risers 7/8", strings to be housed for treads and risers. The treads and risers to be tongued and grooved and put together and secured in a substantial manner. Stair newels, balusters, and rails shall be as detailed and secured together and to stair construction in a strong and rigid manner.

PICTURE MOULDING:

Shall be 7/8" x 1-3/4" as detailed.

CABINETS:

Shall be as detailed. Shelves shall be adjustable. Drawers shall have hard wood slide strips. Kitchen cabinet shall have 1-3/8" Ash counter top coated both sides with linseed oil at mill.

MANTELS:

Shall be of Oak and as detailed.

LODGE ROOM FINISH:

Shall be as detailed, three-quarter columns and pilasters shall be manufactured by Hartmann-Sanders Co., or Somerset Door and Column Company.

FLOORING:

Oak flooring shall be First Grade plain sawed white oak 13/16" x 3-1/4".

Pine flooring shall be 25/32" x not over 2-3/8" B & Better heart-rift pine.

Before laying the finished flooring, the sub-floor shall be tested for level and should any high or low spots exist, the sub-flooring shall be made level to receive the finished flooring, and covered with "Nepenset" black building paper, except where deadening felt is specified and under Banquet Hall floor.

Flooring shall be laid parallel with the long dimension of the rooms.

The finished flooring shall be laid with flush joints and nailed with 8d Rise Hard Out Flooring nails spaced not more than 12" apart.

Flooring shall not be laid until all other work is completed and shall be kept clean until finished by the painter, and then protected from injury until the building is accepted.

All wood floors shall be sanded with a sand papering machine to a smooth finish entirely satisfactory to the Architect.

DEADENING QUILT:

On sub-floors above basement story lay Garrett's No. 20 deadening quilt, as manufactured by C. S. Garrett & Son Corp., 20 and 22 South Marshall Street, Philadelphia, Pa.

PANEL MOULDINGS:

Provide and install a wood moulding as detailed around the acoustic panels in the ceiling of the Lodge room, --- also on plaster above mantels.

ACOUSTICAL TREATMENT:

The panels between the ceiling beam of the Lodge Room shall be covered with Type B-Acousti-Celotex.

The panels shall have a border of 6" x 12" acousti-celotex tile adjoining the beams and wall, and a field of 6" x 12" acousti-celotex tile laid herringbone pattern.

Wood nailing strips of adequate size shall be nailed direct to the ceiling joists with an asbestos felt between the strips and the Acousti-Celotex. The Acousti-Celotex shall be applied before the mouldings around the beams are installed.

The tile shall be painted two coats of acoustical paint, color to harmonize with paint on plaster beams.

The Acousti-Celotex company shall furnish and install nailing strips, acousti-celotex tile and the acoustical paint, all in accordance with their specification.

Note: Acoustex No. 1 - 6" x 12" tile, including painting, sample to be submitted, may be substituted for Type B - Acousti-Celotex, installed complete with nailing strips and asbestos felt, all as described above.

This material is furnished by the Boston Acoustical Engineering Division of Housing Company, Boston, Mass.

ROUGH HARDWARE:

Provide all necessary rough hardware required to complete the building, metal wallplugs, etc.

PAINTING:

All exterior woodwork to be primed with high grade priming paint, of pure lead and oil. All frames to be primed all over before setting. All exterior woodwork above noted to be primed shall be finished with two coats of Sherwin Williams or Patton's Sun Proof ready-mixed paint. Window sills shall be given an extra coat on completion of all other painting. Bottom and top of all doors to be finished. All to be evenly applied and well brushed in.

All nail holes to be puttied with white lead putty before second coat is applied.

The shades for all paint, stain, etc., to be as directed by the Architect. All paint to be brought to the building in the sealed cans, just as it comes from the manufacturers.

All galvanized sheet metal work shall be primed with "Tector" and finished with two coats of lead and oil paint. Iron work shall be painted two coats of lead and linseed oil paint besides the shop coat. Painting of structural steel work is specified under same.

INTERIOR FINISHING

All interior woodwork shall be finished with the products of the Pratt & Lambert Co., Sherwin-Williams or Berry Bros., and applied according to the directions accompanying the goods, with out any dilution whatever, and all brought to the building just as it comes from the manufacturer. All colors to be approved by the Architect.

All window and door frames and interior trim, base, etc. shall be painted on the back with one coat of white lead and oil paint.

All Oak shall be finished as follows: Apply one coat of stain, one coat of "Paste Wood Filler" wiped off as soon as it sets sufficiently, then apply one coat of pure white shellac and sandpaper lightly with No. 00 sand paper when sufficiently dry, follow with two coats of prepared wax, wiping off the surplus, and rub to a high, hard polish.

Window sills shall be given two coats of Spar varnish in lieu of the wax.

All nail holes shall be puttied with white lead putty colored to match the stained wood.

The pine trim base, etc., shall be given a coat of stain, a coat of shellac, a coat of P & L varnish, No. 62, and a coat of wax.

FLOOR FINISH:

The oak floors shall be filled, color to be as directed, and filler allowed to dry for 48 hours, then the floors shall be given one coat of shellac and two coats of Johnson's floor wax, and polished.

The banquet hall floor shall be given three coats of P & G No. 61 floor varnish and waxed and polished.

PLASTER PAINTING.

PLASTIC PAINT:

The walls of the Lodge Room above the wood wainscoting shall be finished with Plastic Valumina or Textone in Travertine effect, with jointing as indicated by detailed drawings, and painted and glazed, color to be selected by the Architect.

PLASTER PAINTING:

The ceiling beams and cornice of the Lodge Room shall be sized with Wallhide, manufactured by Pittsburgh Plate Glass Co., and painted two coats of Valumina or Sherwin-Williams flat wall paint.

Note: The acoustic treated panels will be finished by the contractor for the acoustic work.

Paint wainscot, the height of metal partitions in all toilet rooms, finished with a narrow band at top. All to be 3-coat with enamel for last coat.

COLD WATER PAINTING:

The walls and ceiling of boiler room shall be given a heavy coat of white cold water paint.

GLASS

All exterior glass, unless otherwise noted to be D. S. "A" quality glass, labelled. All to be properly back bedded in white lead putty sprigged and putted.

All wash and doors that are marked for obscure glass are to have D. S. Syenite obscure glass. All to be properly stop bedded or putted.

All interior clear glass required shall be same as exterior glass.

The women's toilet room window shall be glazed with obscure glass.

On completion of the building, all glass to be examined, broken or cracked panes replaced and all glass thoroughly cleaned and left in perfect condition.

Furnish and install over each lavatory 18" x 24" mirror with a 3/4 inch nickel silver frame.

FINISHED HARDWARE.

SCOPE:

The contractor shall furnish all finished hardware required to fully equip the building, as required by drawings and herein specified.

The contractor shall examine the plans, make his own schedule of quantities and shall include all necessary hardware whether specifically mentioned or not.

Hardware not specially mentioned but required shall conform in quality, finish and design to that specified for work in similar places.

All hardware shall be completed with screws, bolts, etc., necessary to apply same.

SAMPLES:

All the hardware required shall be subject to the approval of the Architect, and must be approved by him before being fitted.

DELIVERY:

All hardware, except hereinafter specified, shall be delivered to the contractor requiring same at the building in perfect condition, properly packed and marked for the locations in which it is to be used, and accompanied by lists in such form as will permit the several contractors to properly apply same.

Deliveries shall be made as required and at such times as not to delay the progress of the work.

MATERIALS AND FINISH:

Interior hardware shall be Dark Statuary Bronze, OilC finish unless otherwise specified. Hardware in toilet rooms shall be of brass, heavily nickel plated.

The following numbers are taken from Russell & Erwin Manufacturing Company's catalog, unless otherwise mentioned. Hardware similar in design and equal in quality to that hereinafter specified.

fied, as manufactured by P & F Corbin, Yale & Towns, or Sargent & Company, will be acceptable.

Butts.

All exterior doors to be hung on Stanley butts BB339
5 x 5; all interior doors to be hung on Stanley Butts
241 4 1/2 x 4 1/2 three to each door; butts for cabinets
339.

Basement doors, hall to kitchen, storage closet to
hall, closet to hall, storage to kitchen, store to ban-
quet hall, boiler room to banquet hall.

Lock set 382 1/2 x 2393 x 68.

Pair of doors hall to banquet hall.

Top & bottom bolts 194 proper length.
Lock set 382 1/2 MK x 2393 x 68.
Door check C.

Hall to toilet.

Push plate 1016 - 3 x 12.
Pull " 474 1/2
Door check C

In and out doors kitchen to banquet hall.

Push plate 1016 - 3 x 12.
Door check C
" " C bracket 370
Locks 0786MK x 68

First floor main entrance door.

Top and bottom bolt 194.
Lock set 1238HY2 Mad x emblem fig. 35
Dummy trim 900 x 3951 Mad x emblem fig. 35 x Dummy D.
Door closer C. Bracket 370 each side
Kick plates 16 Ga. 12" x Proper Length/x By studs 3/4 x 3/4
Diamond top.
Studs cast brass 3/4" x 3/4" Diamond top.

Doors to Secretary's office, lounge room, preparation
room from Tiler's lobby.
Lock set 11248 1/2 MK x 3951 x 3952 1/2 mad. x emblem fig 35 x Ring A.

Pair of Doors Lobby to Tiler's lobby & lodge to Prelate's.
Bolts 194. x 3951
Lock set 11248 1/2 MK/x 3952 1/2 Mad. x emblem fig 35 x Ring A.

Doors lodge room to Tiler's lobby and Preparation.
Lock set 11248 1/2 MK x 3951 x 3952 1/2 Mad x emblem fig 35 x Ring A.
4 Tilers knockers, No. 71. Postaud Manufacturing Co.

Doors stairs to preparation, lodge to passage, stair to passage.
Lock set 11248 $\frac{1}{2}$ MK x 3951 x 3953 $\frac{1}{2}$ Mad. x emblem fig 35 X Ring A x 2383.

Pair Doors Lodge to Hall.
Bolts 194.
Lock set 11248 $\frac{1}{2}$ MK x 3951 x 3953 $\frac{1}{2}$ Mad. x emblem fig. 35 x Ring A x 2383.

Hall to Prelates.
Lock set 11248 $\frac{1}{2}$ MK x 3951 x 3953 $\frac{1}{2}$ Mad. x emblem fig. 35 Ring A x 2383.

Dark Room to Hall, pit to Hall.
Lock set 11248 $\frac{1}{2}$ MK x 2383 x Ring A.

Cabinets Tiler's Lobby.
Bolts 104 - 6".
Lock 0371MB
Knob 083

Cabinet in kitchen.
Cupboard catch 445.
Elbow catch T7603.
Drawer Pull 170
Corbin cabinet locks 750.

Mezzanine, etc.

Door to toilet.
Lock set 382 $\frac{1}{2}$ MK x 3953 x 58.
Door check B

All other Doors.
Lock set 11248/3MK x 2383.

Double hung windows.
Sash lock 7110
" lifts 033 two to each sash.

Door stops T7301.

All locks to be master keyed and 3 master keys for each set.

Hand rail brackets 07103.

1 sash Pull No. 37 sash pole.
1 " socket T7022

Trap door.
3" x 3" butts.
1 Flush lift No. 1215.

Letters series No. 1 to spell MEN AND WOMEN.

3 dozen coat hooks 1-7138.

Hinged sash, Basement, Toilet and Kitchen.
Butts $2\frac{1}{2}$ " x $3\frac{1}{2}$ " narrow 3800.
Spring Ring catch $1\frac{3}{8}$ " x $3\frac{1}{2}$ " No. 0746 $\frac{1}{2}$.
Stay Chains 12" No. 53.

Casement sash in kitchen and boiler room.
Butts 3" x 3" 804 G.
Cremone bolts 07374 on one leaf in kitchen.
Chain Bolt 7040 - 4" and Bottom Bolt 7041 - 4" boiler room
only.
Turn buckles 142R

Pivoted Sash, Basement.
Pivots $4\frac{1}{8}$ " x $1\frac{3}{4}$ " - No. 301- $\frac{3}{4}$
Spring Ring catch $1\frac{3}{8}$ " x $2\frac{1}{4}$ " No. 0746- $\frac{1}{3}$ with
universal strike

Fire exit door.
Mortise lock 0440 Butts 341 - $4\frac{1}{2}$ " x $4\frac{1}{2}$ "
Double acting push lever 99.

Provide suitable door stops for all doors. Secure
with expansion bolts to granite.

PROPOSAL SHEET

C O N S T R U C T I O N

MASONIC TEMPLE, MT. AIRY, N. C.

_____, 1930.

Mr. John Sobotta, Chairman,
Mt. Airy, N. C.

Dear Sir:

_____ hereby propose to furnish all labor and materials required for the construction of the Masonic Temple Building on the property of Granite Lodge No. 322, Mt. Airy, N. C., in strict accordance with specifications dated December 12th, 1930, and drawings mentioned therein, and such other drawings as may be furnished by Harry Barton, Architect, for the following sum:

_____ (\$_____)

Will complete the building, ready for occupancy in

_____ months _____ days.

Contractor's License No. _____

Signature _____

Address _____