

AMERICAN MACHINE & MANUFACTURING CO.  
Successors to the Machinery and Contracting  
Business of THE D. A. TOMPKINS COMPANY

# Proposal for Heating with Steam.

FROM  
THE D. A. TOMPKINS COMPANY,  
CHARLOTTE, N. C.  
MANUFACTURERS, ENGINEERS AND CONTRACTORS.

To Memorial Methodist Episcopal Church  
Durham N.C.

We hereby propose and agree to furnish and erect in your Sunday School Room  
at Durham N.C. a Steam Heating Apparatus  
complete, all work to be done in a substantial and workmanlike manner, and all materials to be the best of  
their respective kinds, in accordance with the following

## SPECIFICATIONS.

- 1 **Boiler and Attachments.**  
We will furnish and set one No. 1336 Wren <sup>4000  $\phi$  Capacity</sup> Steam Boiler, connected to chimney with Galvanized Iron Smoke Pipe, and supplied with Automatic Damper Regulator, Steam Gauge, Water Gauge, Safety Valve, Blow-off Cock and Fire Tools.
- 2 **Radiation.**  
The direct radiation shall consist of 2390  $\phi$  C. J. Radiation to be placed in the rooms specified in accompanying schedule.  
The indirect radiation shall consist of \_\_\_\_\_ to be encased in \_\_\_\_\_ boxes. Fresh air shall be conveyed to same from outside through galvanized iron ducts, each having a cut-off for regulating supply of air. The warm air shall be transmitted through \_\_\_\_\_ ducts, to \_\_\_\_\_ registers in the rooms to be warmed.
- 3 **Pipe and Fittings.**  
The radiators shall be connected with the boiler by the one pipe gravity System of Piping. All Pipes and fittings shall be the best of their respective kinds, and of ample size to insure free circulation; all joints to be made up, iron to iron, steam tight; all horizontal mains to be properly graded and securely hung to the floor timbers of the building by adjustable pipe hangers.
- 4 **Valves.**  
Each direct and indirect radiator shall be fitted with Jenkins Patent Disc radiator valve, and Automatic air valve. The valves for the direct radiator shall be nickel-plated, with wood wheels; those for the indirect radiators shall be brass, with iron wheels.
- 5 **Floor and Ceiling Plates.**  
Where pipes pass through floors or ceilings in exposed situations, they shall be fitted with proper floor or ceiling plates.
- 6 **Painting and Bronzing.**  
We will paint with a good quality of black asphaltum varnish all exposed pipes in the basement. Other exposed pipes and exposed parts of all direct radiators to be bronzed.
- 7 **Notification of Completion.**  
Upon notification from us that the work herein specified is complete, it shall be promptly inspected and accepted or rejected, so that our man, while still on the premises, may, without delay, complete it, or remedy any defect that may appear; after which you are to give said man written acceptance of the work herein specified, it being agreed that such acceptance shall not be deemed a waiver of our guarantees.  
If not inspected immediately on completion, the apparatus will be left in your charge, and our responsibility for it ceases. Failure to so promptly inspect and accept or reject said work shall be construed as an acceptance of said work, and shall entitle us to payment according to contract.
- 8 **Temporary Use of the Apparatus.**  
Should you or your agents, contractors or others acting under them, desire to use any part of this apparatus prior to its acceptance, permission is hereby granted under the following conditions: That the apparatus is to be operated entirely at your risk and expense, and delivered to us again in as good condition as found. If temporary radiators are required, an extra charge of \$ \_\_\_\_\_ will be made for each radiator connected.
- 9 **Smoke Flue, etc.**  
You should provide an adequate and properly-located chimney flue, and if the chimney or flue shall be found in any respect defective or improperly constructed, we are hereby authorized to make the necessary changes according to our judgment, or order them made at your expense.  
You shall make provision near boiler for connecting with water supply, and provide a suitable place, with a good brick and cement foundation, for the boiler to stand in the basement or cellar.

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Guarantee.

When the apparatus herein proposed to be furnished is completed in accordance with the conditions hereof, we guarantee it shall maintain heat in every Radiator in the system, be noiseless in operation, perfect in circulation, and that it shall be capable of warming all rooms mentioned in the schedule to the temperature mentioned therein, when the outside temperature is at zero, with a steam pressure at the Heater not exceeding five pounds, provided the printed instructions for the management of the Boiler are followed, and that good coal of suitable size is used.

If, after this apparatus shall have been accepted by you, any part thereof, constructed by us under this proposal, shall fail to accomplish the guarantee herein contained by reason of any defect in the same, we agree to remedy such defect at our own cost, within a reasonable time after receiving written notice of such defect.

The term "defect," as above used, shall not be construed as embracing such imperfections as would naturally follow improper treatment, accident, or the wear and tear of use.

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Construction of the Building.

If it shall hereafter be found that dimensions and plans of the building, and information respecting its construction received from you or your representatives are erroneous, or if changes shall be made in the plans or construction of the building, then, so far as such error or changes shall affect the sufficiency of the Heating apparatus, the foregoing guarantee as to the sufficiency thereof must be deemed cancelled. Any alteration or deviation from the plan herein proposed, involving extra expense, will be subject to additional charge.

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Price and Terms of Payment.

We agree to furnish the heating apparatus herein specified for the sum of \$1922<sup>00</sup>  
Nineteen Hundred and twenty-two dollars.

payable at our office, in Charlotte or New York funds, as follows:

Cash, on delivery of bulk of material \$1000<sup>00</sup>

Cash, on completion of work \$922<sup>00</sup>

Deduct from above last payment \$34<sup>00</sup>  
if pipe covering is omitted in Social Room.

Work to be completed by Oct. 1st 1908

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If, on the work being nearly completed, delay shall arise, due to no fault of ours, we shall be entitled to receive settlement as if the work were fully completed, except that 5 per cent. of the contract price may be withheld until the actual completion of the work, which shall be within a reasonable time. If, through your fault, delay shall arise, you are to pay wages of our men while idle, or, if you wish us to remove them, you are to pay their traveling expenses to and from Charlotte, N. C.

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Covering of Pipes.

We will, if desired, cover all main flow and return pipes with ~~at a cost to you of \$~~ *and boiler asbestos covering* in addition to the price above specified, provided work can be done while our men is at work on this job. Payment for this to be due on completion of the work.

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It is hereby expressly understood and agreed, That the title to the said Boiler and all the above described property shall be and remain in our name until all the above-mentioned sums of money are paid; and it is further understood and agreed that in case of default in the payment of any of the installments, as above provided, we are empowered under this agreement to enter upon said premises and take possession of and remove said property at any time, and that we shall have the right under this agreement to retain any sum or sums of money that may have been paid by you, as liquidated damages for the use of said property; and, further, it is expressly agreed that the property above mentioned shall be and remain personal property, in whatsoever manner it may be annexed to realty.

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In case of fire, strikes or other occurrences beyond our control, we shall not be held to a fulfillment of this contract.

This proposal remains open for acceptance \_\_\_\_\_ days from \_\_\_\_\_

This does not become a contract until accepted in writing by T. A. Tompkins Co., at its office in Charlotte, N. C.

Respectfully submitted,

Place *Durham N.C.* American Machine & Mfg. Co.

Date *July 31st* 1908

AMERICAN MACHINE MFG. CO.

To \_\_\_\_\_

The foregoing proposal, with its specifications, terms and conditions, is hereby accepted and agreed to, and there is no agreement or understanding regarding it other than herein specified.

Dated \_\_\_\_\_

*W. M. [Signature] for Building and Finance Committee*  
This does not become a contract until contractor's plans, relative to location of radiators etc., is approved in writing by the building & finance committee.

SCHEDULE OF RADIATION.

ROOM.	SQ. FEET OF DIRECT RADIATION.	SQ. FEET OF INDIRECT RADIATION.	KIND OF RADIATOR.	TEMPERATURE DEGREES FAHRENHEIT.
<p>First Story</p> <p>Sunday School Room Main Auditorium and Class Rooms Pastor's Study as for architects plans.</p>	2390.		28 3 Col 38" High	70.
<p>Galley Floor. Class Rooms Choir's Room Vestibule or Hoyer</p>				

*Duplicate*

Addenda to contract for heating the Memorial M. E. Church, South,  
Durham, N. C., of date July 31, 1908.

Painting and bronzing.

The bronzing and painting must be of such material and work-  
manship as to meet the approval of the Chairman of the Building  
Committee. A two coat job will be required.

Main pipes and risers.

The main steam pipes must be of ample size to carry all the  
risers and radiators attached to the system, together with the  
radiation necessary for thr proper heating of the basement and  
must be so placed and graded that all water of condensation will  
flow freely back to the boiler without noise. From the top of  
this main the various branches are to be taken to the radiators  
and risers, the connections for which are to be so made that no  
traps are formed.

Workmanship and material.

All work is to be done in a neat and substantial manner and  
all materails are to be the best of their respective kind, subject  
at any time to rejection by the Building Committee. The apparatus  
is to be complete in all its parts, water is to be turned into the  
system and a steam pressure of at least 5 pounds must be maintained  
for five hours. To see that all parts of the apparatus circulates  
properly without noise and without leaks before the owner is called  
upon to accept the work and before the mains are covered.

Finally.

This contract is intended to furnish owner with a complete  
working apparatus first class in every respect and no extras will  
be allowed for any purpose whatever, even though for matters not  
now contemplated by the contractors, yet necessary for the first  
class operation of the system. Before acceptance a temperature must  
be maintained inside the building at specified steam pressure, which  
will have the same relation to outside temperature then existing  
that 70 degress has to 10 degress Farenheit. It is further agreed  
that the heating contractor must make all repairs occasioned by the  
installation of the work and leave the building in as good condition  
as he found it.

*Aug. 13th 08*

*J. B. Magg*  
For Building  
Committee

*Accepted*  
*American Machine & Mfg Co.*  
*By J. W. Purser*

*Aug. 14 - 08*

Contract Work

update  
cover  
of  
envelope?

- George Kramer -  
Jan. 14, 1908

- Heating & Steam - Aug. 14, 1908

- Royal metal Manufacturing Company - Opera - Princess  
July 2, 1908 - Aug. 1908  
Chairs

May 29, 1912 - Electrical Work Application