

1/12/1926

OK M. J. H.

York

Proposal and Specification

York Products Corporation

Engineers and Contractors

St. Louis Houston Omaha San Francisco
Los Angeles Seattle Denver

—
SALES AGENTS

YORK MANUFACTURING CO.

YORK, PA.
—

**Ice Making and
Refrigerating Machinery**

PROPOSAL AND SPECIFICATION

.....Houston, Texas..... Date January 12, 1926..

To.....Houston Negro Hospital,.....

.....Houston,.....

.....Texas.....

We hereby propose to furnish to you machinery and apparatus in accordance with the following specifications:

MAURICE J. SULLIVAN, ARCHITECT.

REFRIGERATING MACHINE:

We will furnish one Refrigerating Machine of York improved vertical single acting enclosed type, same having one cylinders 3 inches bore 3 inches stroke, fitted with closed cooling jacket, for water circulation. Machine will be furnished with a high pressure relief valve and by-pass connections.

Cylinders equipped with safety heads.

Suction chamber provided with suitable strainer.

Latest improved stuffing box on crank shaft. with metallic packing.

Crank case provided with large hand holes to permit of inspection of bearings, crank pins and connecting rods.

MAIN SHAFT:

Of best forged and hammered steel 1-3/4 inches in diameter, accurately ground to size, and supported by three large full-babbitted bearings; crank case bearings of die-cast pattern, easily removable.

FLY WHEEL:

Belt wheel 30 inches diameter 4 inches face, to weigh about 300 pounds.

DETAILS:

Connecting rods designed for high speed, made of I-beam section, of cast steel, having a tensile strength of 60,000 to 80,000 lbs. per square inch. Both ends bored and reamed at the same time.

These rods will be fitted at the piston ends with hardened steel piston wrist pins, which operate in hardened steel bushings ground true internally and externally. The pins will be held in by a secure locking device.

Splash oiling system for automatic lubrication.

Lubrication of outboard bearing of ring oiler type.

Ammonia pistons of double trunk pattern, the suction entering between the upper and lower sections

Pistons fitted with snap rings, ground so as to form a fit against the walls of the ammonia compressor

Ammonia compressor will be complete as usually furnished by us, with by-pass connections between high and low pressure sides.

AMMONIA GAUGES:

One set of ammonia pressure gauges, one for the high pressure side, and one for the low pressure side, mounted on ornamental cast iron gauge board.

PLANS, FOUNDATION TEMPLATE AND BOLTS:

Complete plans will be furnished for foundations

Foundation bolts with anchor washers and template for setting same.

We ~~you~~ to furnish foundation and to leave ample room around foundation bolts.

WRENCHES AND SMALL TOOLS:

One set of wrenches and small tools for taking machine apart for examination or to make adjustments of any part of same.

FINISH AND PAINTING:

Machine will be given a plain finish coat of iron paint before shipment.

Painted maroon, striped and varnished before shipment.

OIL SEPARATOR:

We will furnish one oil separator 4 inches diameter 24 inches long, with drain valve.

POWER TO DRIVE REFRIGERATING MACHINE:

We will furnish one alternating current Squirrel cage type / General Electric motor of one horsepower 1200 revolutions per minute, 220 volts, 3 phase. 60 cycle, complete with sliding base, rails and pulley and starting equipment as follows:

See page 5.

You will furnish all wiring to motor and starting equipment and furnish current.

~~(In case machine is to be motor driven, use above clause, if gas or oil engine driven, use following clause):~~

~~xxxx will furnish _____ engine xxx horsepower of approx _____ make to be connected by _____ to compressor~~

BELT:

We will furnish single thickness leather belt, 3 1/2 inches wide and about 21'-0" long.

GUARANTEE OF DUTY FOR MACHINE:

We hereby guarantee that the herein described refrigerating machine under test will give a duty equal to the melting of one half tons of ice in 24 hours, when operating continuously at 15.67 pounds suction pressure and 185 pounds condensing pressure, in accordance with our instructions.

AUTOMATIC EQUIPMENT

AUTOMATIC PANEL:

We will furnish one of our improved H. P. automatic controls consisting of the following units, all compactly mounted on cast iron panel.

~~slate~~

One automatic motor starting switch, equipped with thermal overload relay.

One 5 $\frac{3}{4}$ " mercoid type excess ammonia pressure switch with bell alarm, hand reset.

~~One 5 $\frac{3}{4}$ " low water pressure switch, automatic reset.~~

float

Two tumbler switches for automatic or hand control, start and stop.

One 5" - 300-lb. high pressure ammonia gauge.

One 5" - 150-lb. low pressure ammonia gauge.

THERMOSTAT:

One mercoid ~~brine~~ type thermostat.
room

EXPANSION VALVE:

One automatic, adjustable expansion valve. (Suction pressure actuated.)

WATER CONTROL:

One condenser pressure actuated water regulating valve.

GUARANTEE:

We guarantee the above mentioned automatic units to perform their respective functions when operated in accordance with our directions, namely:

THE AUTOMATIC MOTOR STARTING SWITCH for controlling the motor, equipped with a thermal type of overload relay for the protection of the motor against overloading, low voltage or single phasing.

THE EXCESS AMMONIA PRESSURE SWITCH is set to trip at 250-lb. and will shut down the ma-

AMMONIA CONDENSER:

We will furnish our improved.....double pipe counter current.....style ammonia condenser, to consist of one coils of 1 1/2" & 2" ammonia pipe. Each coil will be 2 pipes high about 10 feet long, and will be provided with needed ammonia valves, ammonia headers, stands, and water distributing troughs or sprinkling pipes.

.....We.....will furnish water valves and water headers for condensers.

CONDENSER PAN: None required

If we furnish atmospheric condenser.....will furnish suitable water-tight pan.

AMMONIA RECEIVER:

.....We.....will furnish one horizontal ammonia receiver.....6 inches diameter.....8 feet long, with necessary inlet and outlet and charge valves.

AMMONIA PIPES, VALVES, CONNECTIONS AND FITTINGS:

.....We.....will furnish all valves, fittings and ammonia pipe needed to connect the compressor cylinders with the condenser and receiver. also a hot gas defrosting line to refrigerator coils.

CONDENSING WATER:

You hereby agree to supply needed water under sufficient pressure at all times.

GUARANTEE OF CONDENSER CAPACITY:

We guarantee that the above ammonia condenser will have refrigerating capacity per 24 hours of 1/2 tons with water at 85 degrees Fahr. when operating continuously in accordance with our instructions.

ROOM PIPING:

..... will furnish piping for the circulation of ammonia
 for the cooling of rooms of dimensions or space as given below. This piping will consist of about 75
 feet of 1 1/4" E.H. pipe ~~and~~ ^{hot galvanized outside only} and includes all fittings, mains and hangers inside of rooms to be cooled.

DRIP BOARD:

..... ^{and baffles} will furnish drip boards ^{s/} of rigid design insulated with solid corkboard and covered with No. 24 galvanized iron for catching the drippage from above piping. Drip board to be provided with suitable drain connection and proper hangers or supports inside of rooms to be cooled.

No.	Names of Rooms	Dimensions	Cubic Feet	Average Temp.
1	Kitchen Box	6'2" x 4'0" x 10'4"	250	35° F.
2				
3	We will also furnish an ice freezing tank 2'6" x 2'0" x 38", made of 3/16"			
4	black tank steel welded, containing 50 lineal feet of 1 1/4" coils; 2-50 pound			
5	ice cans. Tank will be insulated with six inches of corkboard on four sides			
6	and bottom with a 10# gauge galvanized steel jacket. The top will be fitted			
7	with a double thickness tongue and groove wooden cover. A by-pass will be			
8	provided in the ammonia lines so machine can operate on refrigerator along			
9	if desired.			
10				
11				
12				
13				
14				
15				
16				

Total Cubic Feet _____

MAINS AND CONNECTIONS:

.....We.....will furnish all ammonia mains and connections to connect above piping and tank to refrigerating or machine system. ^{tubes}

GUARANTEE:

The said piping and tank ^{tubes} when operated continuously according to our instructions will cool the space specified, provided said space is properly insulated, used with proper care and the work to be performed properly distributed throughout, and that the total work to be done in same does not exceed.....1/2.....tons of ice melting capacity per twenty-four hours.

AMMONIA:

.....We.....will furnish the necessary anhydrous ammonia to charge system.

BRINE MATERIAL:

.....We.....will furnish the necessary salt, calcium chloride, to charge system.

CONTRACT:

We agree to deliver the machinery ~~F. O. B. Cars~~ at Hospital..... on or about 45 days after approval of contract....., unless delayed by strikes, accidents, delays of carriers, or some other delay occurring without fault on our part or from cause not under our control.

We ~~You~~ will build all foundations ^{you} ~~and~~ do all masonry work and electric wiring.

You will do all insulating ~~and pipe coverings~~ except as noted under ice tank.

We will cover ammonia suction line with cork covering.

You will do all carpenter and wood work of every description.

We will furnish the service of an erecting engineer to erect and put the machinery in operation.

We ~~You~~ will furnish and pay all other help, skilled and unskilled, necessary for the erection, starting and operation of the machinery and in case of delay by you not completing your part of the work, you are to pay the wages and expenses of our workmen while so delayed.

You will furnish water supply, light, power and water connections; make provisions for carrying off waste and drip; ^{within 15 feet of compressor and condensers.} provide suitable openings in the covering for admission of the machinery and openings in walls and partitions for pipe lines, and haul machinery and deliver in room where it is to be installed.

You are to furnish suitable storage for the machinery as soon as any part thereof arrives on the premises, and you are to be responsible for all loss or damage caused by your failure to do so.

You are to pay all taxes and assessments on the machinery, apparatus, or plant, and all parts thereof, from the time of delivery on your premises.

After the machinery is started we will furnish an engineer to have charge of its operation for.....²..... days to make needed adjustments etc., and to give instructions in the care and operation of the machinery. While we are in charge you are to furnish all necessary help together with fuel, light, water, steam, oil, waste and all other necessary supplies for the successful operation of the plant. At the end of the above mentioned.....²..... days you shall accept or reject the machinery, it being understood, however, that if it shall meet the requirements of this proposal it shall be accepted by you. If rejected, you shall notify us in writing thereof, and hereby permit us to enter the premises and remove our equipment without charge to you and upon refunding to you whatever money has been paid us, in full discharge of all liability of both parties hereto. An acceptance after the above mentioned period shall be in full discharge of all agreements hereinbefore contained.

We will furnish without additional charge to you the duplicate of any part of the apparatus herein specified that may prove to have latent defects within one year from the date of the acceptance of the machinery, it being expressly understood that our liability is limited to the furnishing of such part or parts.

We will defend any infringement suit which may be brought against you because of the use by you of said machinery, provided you give us timely notice in writing of threats to bring and of the bringing of such suit, and we are given entire control of the defense thereof.

The machinery hereinbefore described is to be located or situated on the following described real estate,

to-wit: Block 2 and 3
Holman Addition,
City of Houston,
County of Harris,
State of Texas.

There are no verbal or other understandings outside of this proposal as written and printed on the face thereof preceding our signature.

~~You agree to make all cash advances for such disbursements as otherwise would have to be made by us in connection with the delivery, erection and installation of the plant herein specified. Any sum so advanced shall be deducted from the last payment at the time it becomes due.~~

All the agreements herein set forth are hereby made binding upon and enforceable by the heirs, executors, administrators, successors and assigns of the respective parties hereto.

YOU agree to pay to us for such machinery and equipment the sum of \$1217.00

Twelve hundred seventeen-----Dollars.

Payment as follows:

~~25% Cash upon signing of contract; same to be refunded if contract is not approved by us.~~

50% ~~25%~~ Cash upon presentation of B/L covering shipment of herein specified Ammonia Compressor;

30 days after first

25% ~~30 day trade acceptance dated when the second~~ payment becomes due;

when plant is ready for acceptance.

25% ~~60 day trade acceptance dated when the second~~ payment becomes due.

A discount of 3% of the above price will be allowed and deducted from last payment if payments are made on due date.

And in case you shall fail to make any of the said payments upon the due dates thereof, then we may, at our election, call the whole purchase price, or any part thereof remaining unpaid, immediately due and payable. In case of any suit either in law or in equity to enforce the payment of the above mentioned purchase price or any part thereof or any of our rights hereunder, a reasonable attorney's fee shall be allowed us as part of the cost therein, the same to be taxed and fixed by the court as such.

TITLE OF ALL MACHINERY AND EQUIPMENT furnished under this proposal is not to pass to you but is to remain vested in us until the purchase price is fully paid to us in cash and you are, in the meantime, to keep such machinery and equipment fully insured for the protection of our interest.

Machinery, labor and material not herein specified are to be furnished by you.

This proposal shall become a contract when accepted by you and approved in writing by the York Products Corporation.

This proposal shall become a contract and take effect as such when approved in writing on behalf of the York Products Corporation in the State of Louisiana by a duly authorized agent of the company and when so approved is intended to be and is to be construed as a Louisiana contract according to the laws of the State of Louisiana.

Respectfully submitted,

YORK PRODUCTS CORPORATION,

By Hutton

Purchaser's Corporate Seal
here if they have one.

Accepted July 6, 1926
Liberty Trust Co.

By W. J. ...
President

WITNESSES to Purchasers:

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.....

APPROVED by the York Products Corporation at

....., Louisiana,

this..... day of..... 19.....

York Products Corporation's
seal here.

YORK PRODUCTS CORPORATION,

By..... Agent

WITNESSES to York Products Corporation:

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