

PROPOSAL AND SPECIFICATION

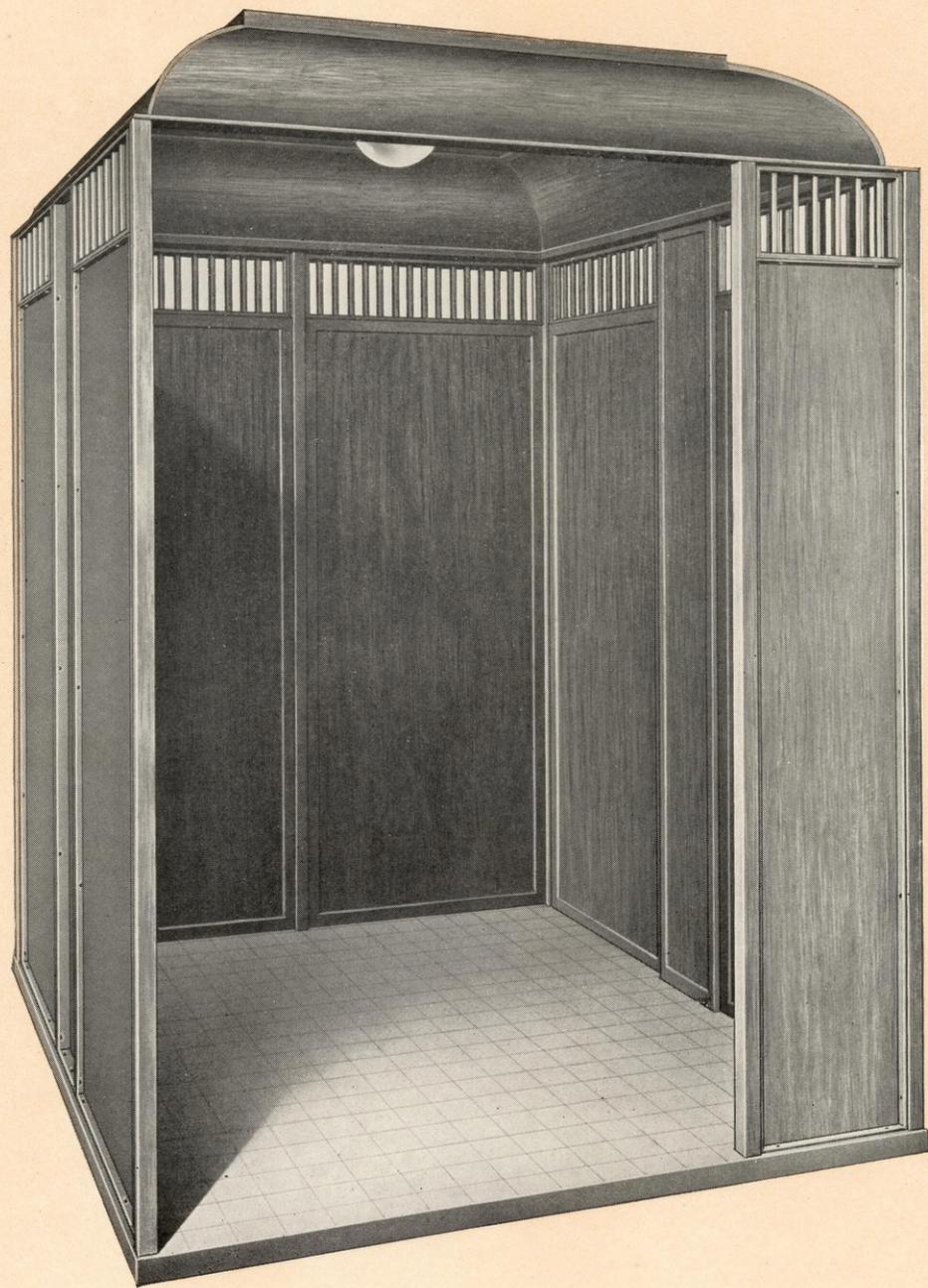
*MONTGOMERY ELEVATOR COMPANY*



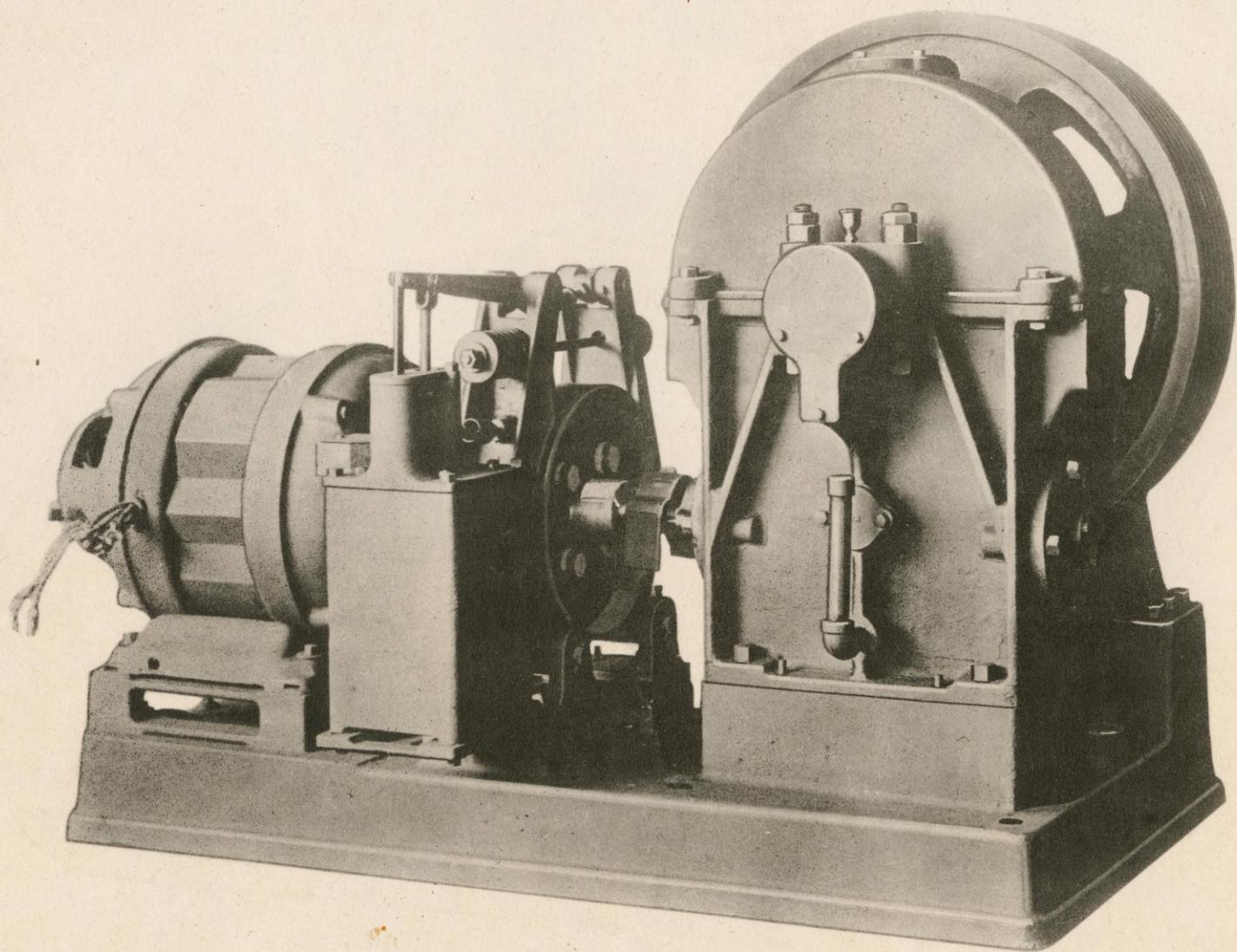
*MAIN OFFICE AND WORKS  
MOLINE, ILLINOIS*

*BRANCH OFFICES IN PRINCIPAL CITIES*

*202 PRESTON AVENUE, HOUSTON, TEXAS*



CAR No. 410 A



137.

# MONTGOMERY ELEVATOR COMPANY

## ELECTRIC ELEVATOR SPECIFICATIONS

To **MOLINE, ILLINOIS** **Houston, Texas,**  
**Negro Hospital,** **Jan, 6, 1926.**  
**Mauric J. Sullivan, Architect.**  
**City.**

Estimate No. This specification and proposal covers the furnishing and installing the following elevator equipment, viz.: **One direct connected electric passenger elevator, traction type.**

Load and Speed The elevator is to carry a safe load of **2250** pounds in addition to the weight of the car, and to travel at speed of **150** feet per minute with **full** load. with a constant pressure at the motor of **220 volts, 3 phase, 60 cycles, A.C.**

Travel The Travel of car to be from **first** floor to the **third** floor, a distance of about **22** feet. **servicing three landings.**

Elevator Engine The engine will be of the worm and gear direct connected electric type, the motor being coupled directly to the worm shaft, with the motor and worm gear mechanism mounted on a heavy, strongly ribbed, self-contained bed plate cast in one piece. The worm will be high-grade steel forged in one piece with the worm shaft, and the worm gear will have **phosphor-bronze** rim of the best quality. The teeth of worm and gear will be accurately cut from solid stock by special machinery, and will run in closed gearing, affording ample reservoir for oil. The end thrust of worm shaft will be taken by high-grade **ballbearings** in both directions. The winding drum will be of heavy section cast-iron truly turned and grooved for the cables. All bearings will be of ample dimensions, with suitable provision for lubrication.

Motor The motor will be a type especially designed for elevator service, the winding being amply insulated and protected by the motor frame. The bearings will be fitted with oil reservoir with ring oiling device, insuring ample lubrication.

Engine Location The engine will be arranged for placing on suitable **decking** consisting of **steel I, beams and wood flooring** furnished in place by **us.**

Controller The controlling device will be especially made for elevator service and for the motor control, and will be of strong substantial construction, not easily deranged and easily accessible for care, oiling and adjustment.

## HATCHWAY ITEMS

## Car

This car will be made of **channel steel frame**, strongly bolted and riveted with channel steel side rails and double floor girders, strongly trussed. The floor to be **made** of selected hard maple, tongued and grooved, and the entrance side to be faced with **bronze threshold plate**. Car to be of the side post type, to be 5'-0" post wise by 7'-2" front tonback. Car floor to be covered with Linotile flooring, as selected, by Architect. We will furnish a neat substantial cab of design # 410-A to be finished in dead black, or light olive green. A suitable light and fixture will be furnished in the car with flexible connections to outlet box furnished midway of elevator shaft by other contractor.

## Guides

The guides for car and counterweights will be **finished Steel "Ts"** with tongued and grooved joints, splice plates and bolts, all securely fastened to the sides of the elevator shaft with substantial steel brackets.

## Counter-weights

The counterweights will be of the sectional pattern with through rods and double nuts, no open end weights to be used. The total counterweight will exceed the weight of the car about one-third of the maximum load.

## Overhead Sheaves

The overhead sheaves will be of heavy cast-iron, truly grooved to fit the cables, of suitable size according to conditions, and fitted with heavy shafts with ample bearings and provision for lubrication. Sheave to be supported on **underside of machine beams**.

## Cables

The cables will be **four hoisting and counterweight** cables  $5/8"$  diameter. All these cables to be of first-class quality especially made for elevator use and with an ample factor for safety.

## Operation

The elevator will be operated by a **master car switch** in the car in connection with the controller previously described. This car switch will be of the self-centering type; when the operator releases the handle, it moves back to center, cutting off the current to motor and applying the brake without further attention from the operator.

## EMERGENCY SWITCH.

An emergency switch will be furnished and installed in the car. The opening of this switch will stop the car and prevent any movement of the car.

## SAFETY DEVICES

Safety  
Grips

The car will be fitted with grip steel safeties underneath the platform, which are positive in action and which will firmly hold the car in case of the breaking of the cables or in case the car should fall from any cause.

Safety  
Speed  
Governor  
With  
Switch

The elevator will be fitted with a safety speed governor placed at the top of the elevator shaft and connected to the steel safety grips on the car. This governor will operate the safety grips in case the car should attain excessive speed in descending or should for any reason travel faster in descending than a predetermined limit. The governor will be fitted with a switch so arranged that if the governor is caused to operate the car safeties, the current will be cut off before the actual setting of safeties and will cut off the power at control board and set the brake preventing further movement.

Electric  
Brake

The engine will be equipped with a strong and effective **electric brake**, which is an important safeguard and which is applied by powerful steel brake springs. The brake is released when the current is admitted to the motor, and when the car is stopped at the landings, or should the current be cut off from **any cause**, the brake is **instantly applied**, holding the car securely from further movement.

Electric  
Automatic  
Stops

**Electric automatic stops** will bring the car gradually to rest at the upper and lower limits of travel and will **cut off the current** and apply the brake, automatically independent of the operator.

Electric  
Hatchway  
Limit  
Switches

The elevator shaft will be provided with hatchway limit switches which will **cut off the current** and prevent the further movement of the car in either direction in case the car for any reason should travel more than a predetermined amount beyond the level of the terminal floors.

## Buffers

We will furnish and place in the pit heavy coil spring buffers directly under the movement of the car and counterweights, securely fastened in position on heavy cast-iron bases.

A.C.  
Lock-Drop  
Annunciator

We will furnish and install in the car an A.C. lock-drop annunciator, marked I-2-3, in a neat metal case with push buttons mounted at each entrance landing, annunciator will operate from bell ringing A.C. transformer.

ELEVATOR DOORS AND ENCLOSURES,

\* \* \* \* \*

We will furnish and install complete (3) elevator door enclosures with all trim, 2, two third doors to each opening, known as two third doors, to be 313" wide by 710" high.

2, panelled 18 ga. hollow metal doors. (6) top panell to be of polished wire plate glass. Combination frame and trim complete with hanger plates, frame to be of 14 gauge steel. Cast iron machine grooved sill.

Richard-Wilcox Ideal # 728 hanger without rack and pinion.

Richard-Wilcox Ideal, # 743-IL type C- operator with electric interlock.

Interlocks will be so wired into the electric control of the elevator, that the doors must be properly closed before the car can be operated. This feature is required by the State Laws.

MAINTENANCE

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We will furnish MONTGOMERY ELEVATOR MAINTENANCE SERVICE for a period of one year Free of const to owner dating from final acceptance.

By Purchaser

You are to prepare the hatchway, openings to be square and plumb with each other; to provide the necessary pit below the lower landing; to provide suitable room for placing elevator machinery. You are to furnish any necessary pent house of sufficient height and area for enclosing engines, sheaves or any equipment as may be placed therein. You are to furnish supports in place for guides and overhead hatchway beams. You are to furnish any necessary sills inside the hatchway for placing elevator safety gates or enclosures. You are to enclose hatchway as may be necessary, except as specified herein. You are to be responsible for any damage to the elevator from fires or otherwise after its delivery to the building. You are to furnish all necessary power for installing, testing and adjusting. You are to bring the power wires into the building, and connect to our controller terminals with an intervening fused cut-out switch conveniently placed near the elevator engine.

We will do all other wiring in connection to the elevator complete.

# MONTGOMERY ELEVATOR CO.

Houston, Texas,  
Moline, Ill., Jan, 6, 1926

## PROPOSAL

**Guarantee**

The foregoing specifications cover the furnishing and installing of **one** electric **passenger** elevator, and we hereby guarantee the elevator as described herein to be first-class in material and workmanship and to do the service specified, and we agree to make good any part of the elevator which may prove to be defective in material or workmanship not due to ordinary wear and tear, within one year from date of completion.

**Proposal**

We propose and agree to furnish and install the elevator in your building in **Houston, Texas** according to the foregoing specifications and guarantee for the net sum of **ThirtyNine Hundred Three** \$ **3903.00** Dollars, **100/100**.

**Terms**

**Alternate- 1800 lb. Capacity, deduct \$ 230.00, from above.**  
One-half of the contract price to be paid upon shipment or tender of shipment of elevator, one-fourth when engine and guides are in permanent position and balance when completed according to specifications. Should it be expedient to ship the guides in advance of the balance of the material, thirty per cent. of the contract price to be paid upon shipment or tender of shipment of the guides, twenty per cent. upon shipment or tender of shipment of the elevator machine, twenty-five per cent. when elevator machine is in permanent position and the remainder upon completion.

This proposal is submitted for prompt acceptance and is subject to change without notice.

If any payment is delayed, 7% interest shall be allowed on same from date due.

Should we be compelled to wait for specified power or any other delay on your part, you are to pay for time and expense caused by such delay. Should there be any delay in getting the specified power, or delay from any other cause, such delay shall not be considered cause for delay in making the payments above mentioned, or any of them.

Should we be compelled by reason of any delay on your part, to make more than one trip to install the equipment, you are to pay for travel, time and expense of all extra trips. We shall not be obliged to continue work in the event of your omission to make any payment when due.

The elevator, elevator plant and appurtenances to be and remain personal property and title thereto to remain in the Montgomery Elevator Company until all payments under the terms of this contract shall have been fully made in cash. Upon your failure to make payments or any of them, as herein specified, said Company shall be free to enter the premises where said Elevator, Elevator Plant and appurtenances may be located, and (whatever may be the mode of its attachments to realty, or otherwise) to remove the same as its property. Any securities given to said Company by you shall, until paid in cash, be taken and held to be evidence only for your indebtedness to said Company and not as payment, or payments, under the terms of contract.

### PROPOSAL

Should any damage occur to our materials or work by fire or other casualty on the premises not caused by us, you are to compensate us therefor. We are not (in any way to be held) responsible or liable for any loss, damage, detention, or delays caused by fire, floods, strikes, lockouts, accidents or other cause beyond our control, nor in any event for consequential damages.

You are to provide the workmen employed by us at your building a safe place to do their work; if not, we reserve the right to discontinue our work at the building when conditions are known to us to be such that our workmen are endangered, or by the acts of negligence of others.

When the elevator installation is completed, our erector or representative shall notify you, or your representative, at which time an inspection of the installation shall be made, and if found to fulfill the conditions of this contract, you are to accept same (in writing if required), under the terms of this contract. Said acceptance shall not in any way affect the guarantee of the plant in any sense. It is mutually understood and agreed that the conditions of this clause shall be promptly complied with and after notice has been given by our erector, or representative, he, or they, shall remain in charge of the equipment at your expense until said inspection and acceptance as aforesaid.

It is expressly understood and agreed that all verbal agreements are void and that this contract is final and supersedes all other written agreements or contracts and cannot be changed or added to except in writing, and with the consent of both parties to this contract.

This contract is not binding upon the Montgomery Elevator Company until approved by an executive officer of said Company at its home office.

Respectfully submitted,

MONTGOMERY ELEVATOR COMPANY

By *L. H. Perry* .....

The above proposal is hereby accepted and signed in duplicate this  
day of 192

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The foregoing contract  
is hereby approved:

Moline, Ill., ..... 192...

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