

INSTRUCTIONS TO QUOTERS  
TRUCK BAY OVERHEAD DOOR REPLACEMENT  
2412 SOUTHWEST AVENUE  
HARLAN, IOWA

1. DESCRIPTION

Sealed quotations are solicited by the Board of Trustees of the Harlan Municipal Utilities, for building improvements. The improvements will consist generally of overhead door installation, replacement along with building repair, and other items of work considered incidental thereto.

2. QUOTER'S KNOWLEDGE

Prospective quoters should examine the site of the proposed improvements to familiarize themselves with all factors and conditions affecting the construction of the proposed improvements.

3. METHOD OF QUOTING

All items are based on lump sum. The lump sum price for each item of work shall be full compensation to the Contractor for the complete installation of that item, including incidental items of cost not listed but necessary to complete the item.

4. SUBMISSION OF QUOTES

Quotes shall be submitted on forms furnished by the Owner, to the address as shown on the Quotation Form, Attn. Jennifer Kelly, Director of Administration, no later than 2:00 P.M., September 16, 2025. Quoters should submit one copy only of their quotation sealed in an envelope. Do not submit plans and/or specifications with the quotation. Only an authorized representative of the firm submitting a quote may sign the Quotation Form.

5. WITHDRAWAL OF QUOTATIONS

Quotes may be withdrawn any time prior to the scheduled closing time for receipt of quotations; however, quotations may not be withdrawn for a period of 30 days after said closing time.

6. EVALUATION OF QUOTATIONS

The Owner reserves the right to reject any or all items of work or any or all alternate items, unresponsive quotations, or waive informalities or technicalities in the quotations. It is the intent to make an award of this contract within 10 days after the scheduled closing time for receipt of quotations or reject all quotations.

7. TAXES

Sales tax for all material shall be included in the lump sum unit prices.

8. EXECUTION OF CONTRACT

The successful quoter shall, within 10 calendar days after award, enter into written contract with the Owner on forms included for the performance of the work. The contract, when executed, shall be deemed to include entire agreement between parties, and the contractor shall not claim any modification resulting from representation or promises made by representatives of the Owner or other persons.

9. PAYMENT

The Contractor will be paid monthly.

10. TIME OF CONSTRUCTION

Work on the proposed project shall be completed by **December 31, 2025** for the Truck Bay doors and **April 30, 2026** for the Wash Bay door.

11. INSURANCE

Contractor shall purchase and maintain such insurance as will protect him from the claims set forth below which may arise out of or result from the Contractor's operations under this contract. Whether such operations be by himself or by any subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable:

1. Claims under worker, worker's or workman's compensation disability acts and other similar employee benefit acts

2. Claims for damages because of bodily injury, occupational sickness or disease, or death of his employee

3. Claims for damages because of bodily injury, sickness or disease, or death of any person other than his employee

4. Claims for damages insured by usual personal injury liability coverage which are sustained

a. by any person as a result of an offense directly or indirectly related to the employment of such person by the Contractor or

b. by any other person

5. Claims for damages, other than to the work itself, because of injury to or destruction of tangible property, including loss of use resulting therefrom; and
6. Claims for damages because of bodily injury or death of any person or property damage arising out of ownership, maintenance or use of any motor vehicle.

The insurance required by this paragraph shall be written for not less than any limits of liability specified below or as required by law, whichever is greater. The insurance required by this paragraph shall include contractual liability insurance applicable to the Contractor's obligations under the indemnification paragraph. Certificates of insurance acceptable to the Owner shall be filed with the Owner prior to commencement of the work. Those certificates shall contain a provision that the coverage afforded under the policies will not be canceled until at least thirty (30) days prior written notice has been given to the Owner and shall show limits of liability in the following amounts:

Comprehensive General Liability - \$2,000,000 CSL\*;  
Contractual Liability - \$2,000,000 CSL;  
Automotive Liability - \$1,000,000 CSL;  
Worker's Compensation - Statutory Limits;  
Umbrella Liability - \$1,000,000.00

These limits of liability must be available to the Owner in their entirety during the period of the contract.

The standard cancellation language on the certificate shall be changed to guarantee 30 days notice to Owner prior to cancellation.

\* CSL = Combined Single Limit

#### INDEMNIFICATION

To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner, and their agents and employees from and against all claims, damages, losses and expenses, including but not limited to attorney's fees, arising out of or resulting from the performance of the project provided that any such claim, damage, loss or expense:

1. is attributable to bodily injury, sickness, disease or death or to injury to or destruction of tangible property (other than the work itself) including the loss of use resulting therefrom; and
2. is caused in whole or in part by any negligent act or omission of the Contractor, any subcontractor, anyone directly or indirectly employed by any

of them or anyone for whose acts any of them may be liable regardless of whether or not it is caused in part by a party indemnified hereunder.

Such obligations shall not be construed to negate, abridge, or otherwise reduce any other right or obligation or indemnity which would otherwise exist as to any party or person described in this paragraph.

In any and all claims against the Owner or any of their agents or employees by any employee of the Contractor, any subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them are liable, indemnification under this paragraph shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any subcontractor under worker, worker's or workman's compensation acts, disability benefit acts, or any other employee benefits acts.

#### ADDITIONAL INSURED PARTIES

The Contractor shall have the Owner named as additional insured parties under the Contractor's Liability Insurance.

#### CERTIFICATE HOLDER

The certificate holder shall be "Harlan Municipal Utilities".

**The Contractor's attention is drawn to the "SAMPLE" CERTIFICATE OF INSURANCE included on page B-6 of these Instructions to Quoters.**

#### 12. PRECONSTRUCTION CONFERENCE

A preconstruction conference shall be held at a place to be determined later prior to the Contractor beginning any work. Appropriate Contractor supervisory personnel shall be present at said conference.

#### 13. RELEASE OF LIABILITY

Acceptance by the Contractor of the final payment shall be a release to the Owner and every officer and agent thereof, from all claims and liability hereunder for anything done or furnished for, or relating to the work, or for any act or neglect of the Owner or of any person relating to or affecting the work.

#### 14. CLAIMS FOR LABOR AND MATERIALS

The Contractor shall indemnify and save harmless the Owner from all claims for labor and materials furnished under this contract. The Contractor shall submit satisfactory evidence that all persons, firms, or corporations who have done work or furnished materials in an amount in excess of \$1,000.00 under this contract, for which the Owner may become legally liable, have been fully paid or satisfactorily secured. In

case such evidence is not furnished or is not satisfactory, an amount will be retained from money due the Contractor which in addition to any other sums that may be retained will be sufficient, in the opinion of the Owner, to liquidate all such claims. Such sum will be retained until the claims as aforesaid are fully settled or satisfactorily secured.

15. PROSECUTION OF WORK

The Contractor shall notify the Owner at least twenty-four hours in advance of the time he intends to start. The Contractor shall operate at such points as the Owner may direct. Should work be discontinued for any reason by the Contractor with consent of the Owner, the Contractor shall notify the Owner twenty-four hours in advance of resuming operations.

16. SUBMITTAL REQUIREMENTS

The successful quoter will be required to submit shop drawings and/or cut sheets for the Owner's review. Submittals, including shop drawings or material certifications, will be required for all manufactured or raw materials and equipment to be incorporated in the project.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

<b>PRODUCER</b> HOMETOWN INSURANCE AGENCY MAIN STREET ANYTOWN, IA 00000		<b>THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.</b>	
<b>INSURED</b> XYZ CONSTRUCTION MAIN STREET HARLAN, IA 51537		<b>INSURERS AFFORDING COVERAGE</b> INSURER A: CHUBB INSURER B: INSURER C: INSURER D: INSURER E:	<b>NAIC #</b>

## COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
A	X	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC	ABC 1234	07/01/25	07/01/26	EACH OCCURRENCE	\$ 1,000,000
						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 50,000
						MED EXP (Any one person)	\$ 5,000
						PERSONAL & ADV INJURY	\$ 1,000,000
						GENERAL AGGREGATE	\$ 2,000,000
						PRODUCTS - COM/OP AGG	\$ 2,000,000
A	X	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	ABC 1234	07/01/25	07/01/26	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
						BODILY INJURY (Per person)	\$
						BODILY INJURY (Per accident)	\$
						PROPERTY DAMAGE (Per accident)	\$
		<b>GARAGE LIABILITY</b> <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT	\$
						OTHER THAN EA ACC AGG	\$
A	X	<b>EXCESS / UMBRELLA LIABILITY</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE  DEDUCTIBLE RETENTION \$	DEF 1234	07/01/25	07/01/26	EACH OCCURRENCE	\$ 1,000,000
						AGGREGATE	\$ 1,000,000
							\$
							\$
							\$
A		<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under SPECIAL PROVISIONS below	DEF 1234	07/01/25	07/01/26	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER	
						E.L. EACH ACCIDENT	\$ 500,000
						E.L. DISEASE - EA EMPLOYEE	\$ 500,000
						E.L. DISEASE - POLICY LIMIT	\$ 500,000
		<b>OTHER</b>					

## DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

CERTIFICATE HOLDER IS PRIMARY, NON CONTRIBUTORY ADDITIONAL INSURED FOR GENERAL LIABILITY AND UMBRELLA LIABILITY, INCLUDING ONGOING AND PRODUCTS AND COMPLETED OPERATIONS, IF REQUIRED BY WRITTEN CONTRACT EXECUTED PRIOR TO LOSS. PRIMARY AND NON CONTRIBUTORY STATUS IS GOVERNED BY THE TERM AND CONDITIONS OF THE INSURANCE POLICIES OF ALL PARTIES TO THE CONTRACT. THE CERTIFICATE HOLDER AS ADDITIONAL INSURED IS ALSO PROTECTED FROM WAIVER OF GOVERNMENTAL IMMUNITIES ACCORDING TO FORM IL7035 OR EQUIVALENT.

## CERTIFICATE HOLDER

HARLAN MUNICIPAL UTILITIES  
P.O. BOX 71  
HARLAN, IA 51537

## CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

## QUOTATION FORM

TO: BOARD OF TRUSTEES OF  
HARLAN MUNICIPAL UTILITIES  
2412 SOUTHWEST AVENUE  
HARLAN, IOWA 51537

DATE: \_\_\_\_\_

The undersigned bidder, having examined the plans, the location and sites of the proposed work, the nature of the work to be done, extent and condition of existing structures affecting, or affected by the proposed work, and being fully advised as to the extent, character of the work and all existing local conditions relative to construction difficulties, hazards, labor, transportation, hauling, trucking, rail delivery facilities, plant site and other factors affected by or affecting the work covered by this proposal as outlined in the plans, and having received the following Addenda to the Plans and Specifications:

Addendum No.	Date Received
_____	_____
_____	_____

HEREBY PROPOSES to furnish all materials, tools, appliances, plant, and equipment; and to perform all necessary labor required for the complete construction of the

TRUCK BAY OVERHEAD DOOR REPLACEMENT  
2412 SOUTHWEST AVENUE  
HARLAN, IOWA

and all other items incidental thereto and to perform all work in accordance with all items of expense and profit to-wit:

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
1.	Replace Overhead Door – Truck Bay 16' – 2" x 16' – 0"	2 EA	\$ _____	\$ _____
2.	Replace Overhead Door – Wash Bay 12' – 2" x 12' – 0"	1 EA	_____	_____
3.	Repair Building Above Wash Bay Door	1 LS	_____	_____

**TOTAL QUOTE** \$ \_\_\_\_\_

The Owner must approve any subcontractor which prime Contractor contracts with to do any portion of said contract.

In submitting this quote, it is understood that the right is reserved by the Owner to reject any or all quotes, and it is agreed that this quote may not be withdrawn after the closing and shall remain valid for a period of 30 days.

CONTRACT TIME: If awarded the contract, the undersigned bidder agrees to commence the work and complete the work as specified in the Instructions to Quoters.

The quoter hereby certifies:

That this quote is genuine and is not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules or any group, association, organization, or corporation.

1. That he has not directly induced or solicited any other bidder to put in a false or sham quote.
2. That he has not solicited or induced any person, firm, or corporation to refrain from quoting.
3. That he has not sought collusion or otherwise to obtain for himself any advantage over any other quoter.

SIGNATURE OF QUOTER: \_\_\_\_\_

FIRM NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

#### SUBCONTRACTORS

The above figures include quotations from the following subcontractors whom we intend to employ on this project, subject to approval of the Engineer.

SUBCONTRACTOR	WORK TO BE PERFORMED
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____



## CONTRACT

This agreement made and entered into by and between the Harlan Municipal Utilities, Harlan, Iowa, (hereinafter referred to as the "Owner"), and \_\_\_\_\_ (hereinafter referred to as the "Contractor") on the \_\_\_\_\_ day of \_\_\_\_\_, 2025. That the Contractor, for and in consideration of \_\_\_\_\_ Dollars (\$\_\_\_\_\_), payable as set forth in the Instructions to Quoters constituting a part of this contract, hereby agrees to construct, in accordance with the plans and specifications therefor, entitled "TRUCK BAY OVERHEAD DOOR REPLACEMENT, 2412 SOUTHWEST AVENUE, HARLAN, IOWA", in the amounts and locations designated on the plans, the said improvements and such other work as may be incidental thereto according to the following schedule of prices, to-wit:

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
1.	Replace Overhead Door – Truck Bay 16' – 2" x 16' – 0"	2 EA	\$_____	\$_____
2.	Replace Overhead Door – Wash Bay 12' – 2" x 12' – 0"	1 EA	_____	_____
3.	Repair Building Above Wash Bay Door	1 LS	_____	_____

### TOTAL QUOTE

\$\_\_\_\_\_

That the specifications and plans as set forth in the Instructions to Quoters are hereby made a part of and the basis of this agreement and a true copy of said plans and specifications is now on file in the office of Harlan Municipal Utilities in Harlan, Iowa.

That in consideration of the foregoing, the Owner hereby agrees to pay the Contractor promptly and according to the provisions set out in the Instruction to Quoters, the amount set forth in the quote.

But it is mutually understood and agreed by the parties hereto, that the Instruction to Quoters, Quotation, and the general detailed plans, are and constitute the basis of contract between the parties thereto.

It is further understood and agreed by the parties herein, that the work shall be completed as specified in the Instruction to Quoters.

IN WITNESS WHEREOF, the Board of Trustees has caused this contract to be executed by the Chairman and Secretary and the Contractor has hereunto set his hand all as of the day and year first above written.

ATTEST:

Harlan Municipal Utilities

\_\_\_\_\_  
Secretary

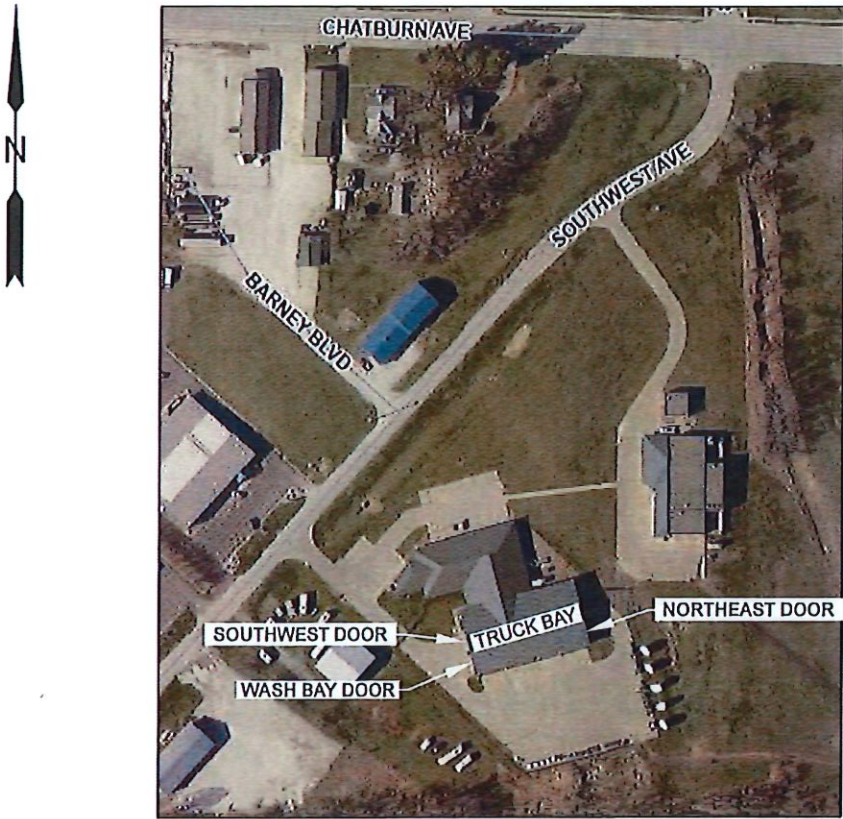
By: \_\_\_\_\_  
Chairman, Board of Trustees

Contractor

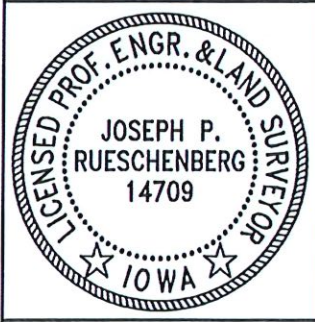
\_\_\_\_\_  
By: \_\_\_\_\_  
Title

CONSTRUCTION PLAN FOR:  
TRUCK BAY OVERHEAD DOOR REPLACEMENT  
2412 SOUTHWEST AVENUE  
HARLAN, IOWA

INDEX OF SHEETS	
NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATE OF QUANTITIES ERIS & GENERAL NOTES
3	SOUTHWEST OVERHEAD DOOR PLAN VIEW
4	WASH BAY OVERHEAD DOOR PLAN VIEW
5	NORTHEAST OVERHEAD DOOR PLAN VIEW
6-8	OVERHEAD DOOR SPECIFICATIONS



LOCATION MAP



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

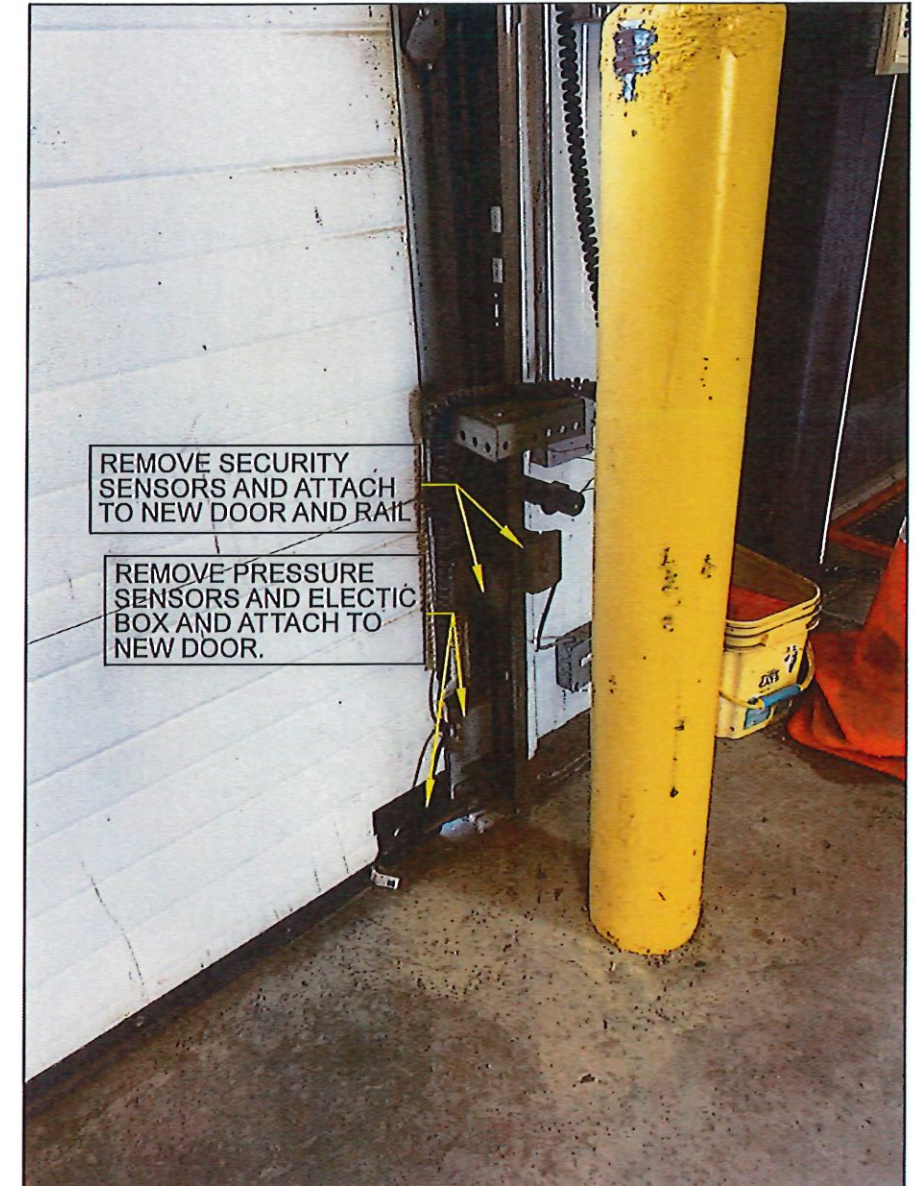
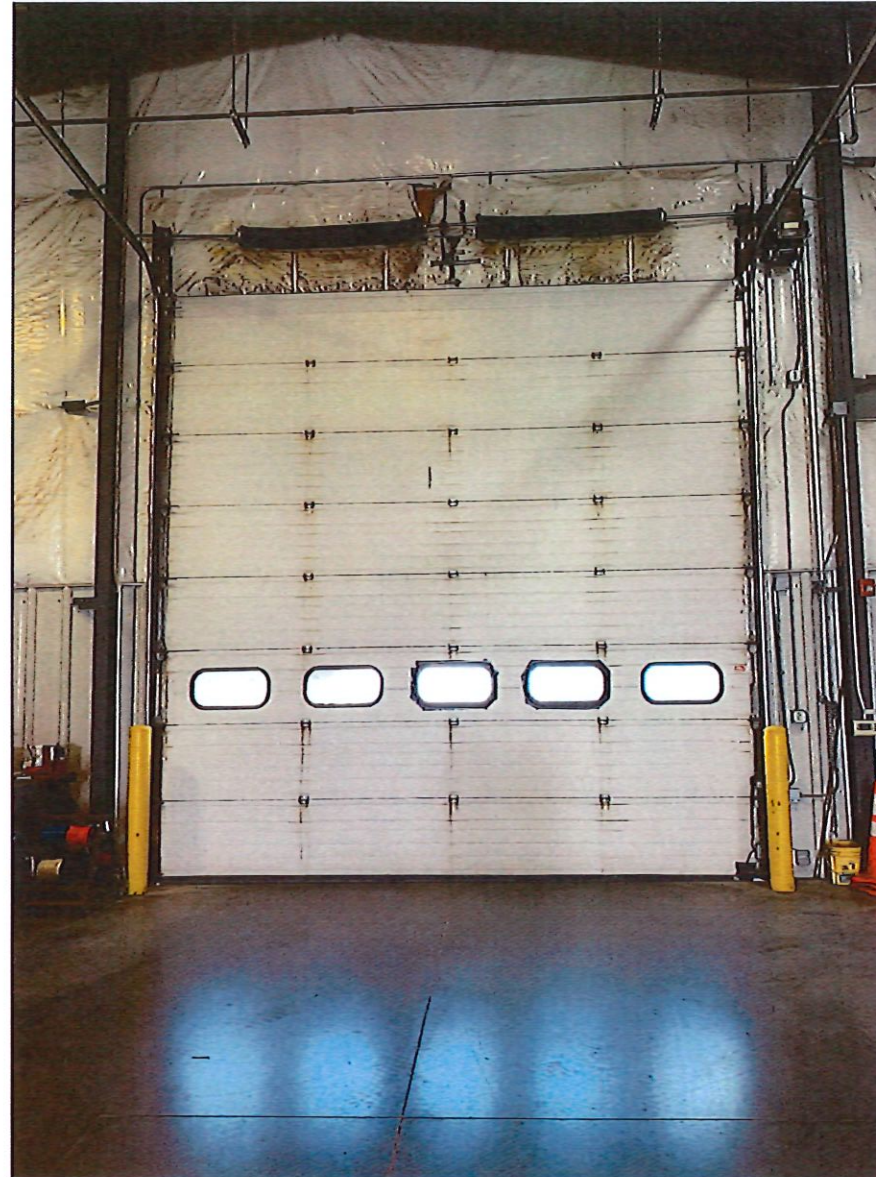
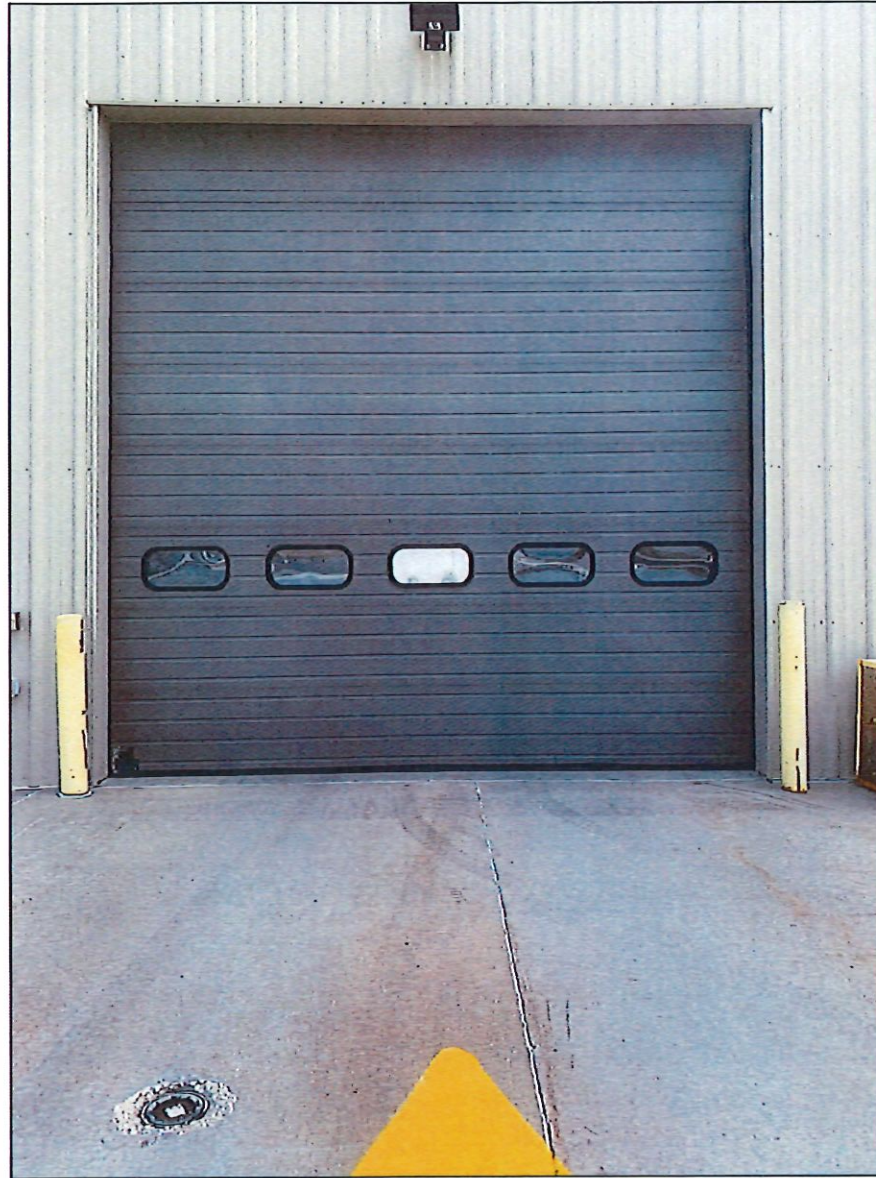
*Joseph P. Rueschenberg* 8-27-2025  
JOSEPH P. RUESCHENBERG, P.E. & DATE  
P.L.S. #14709

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2026.

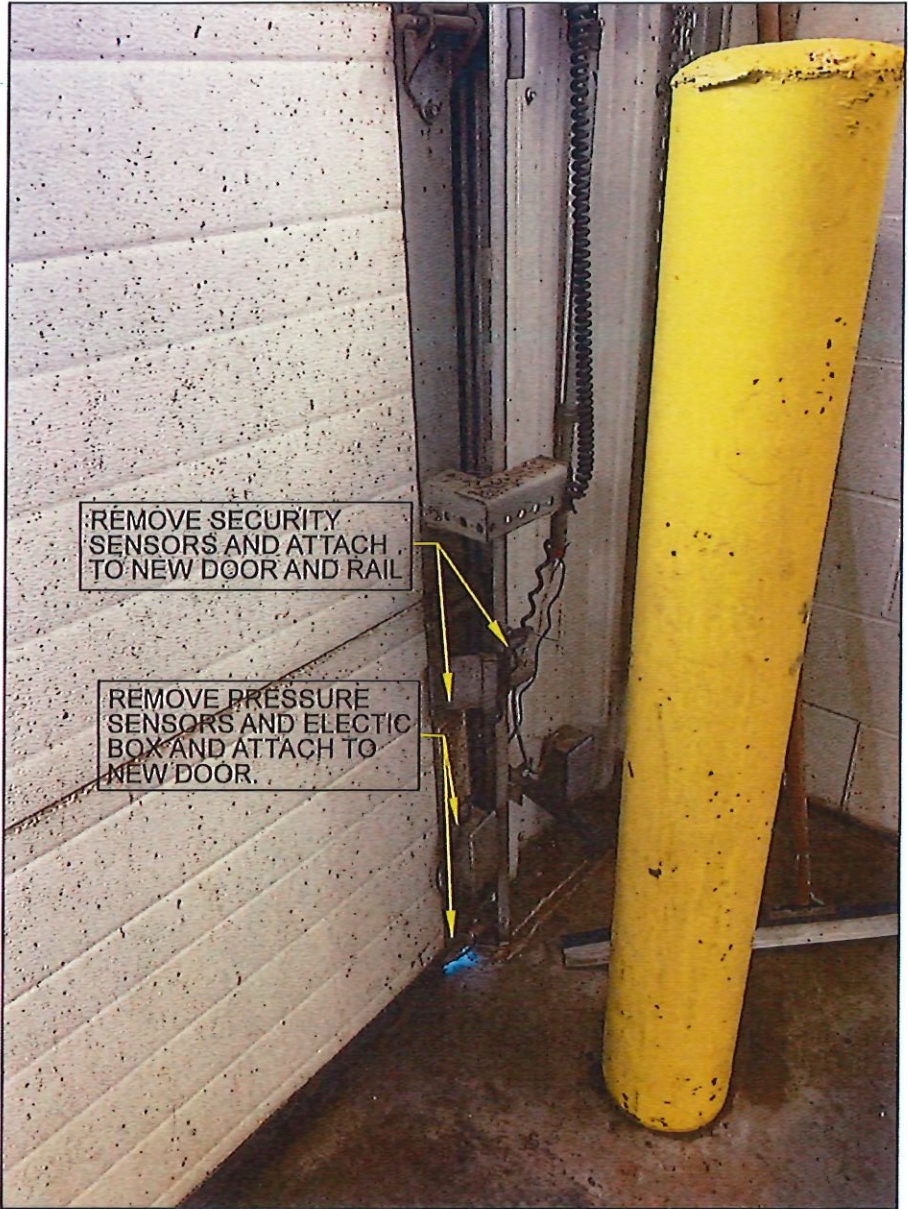
PAGES OR SHEETS COVERED BY THIS SEAL: ALL



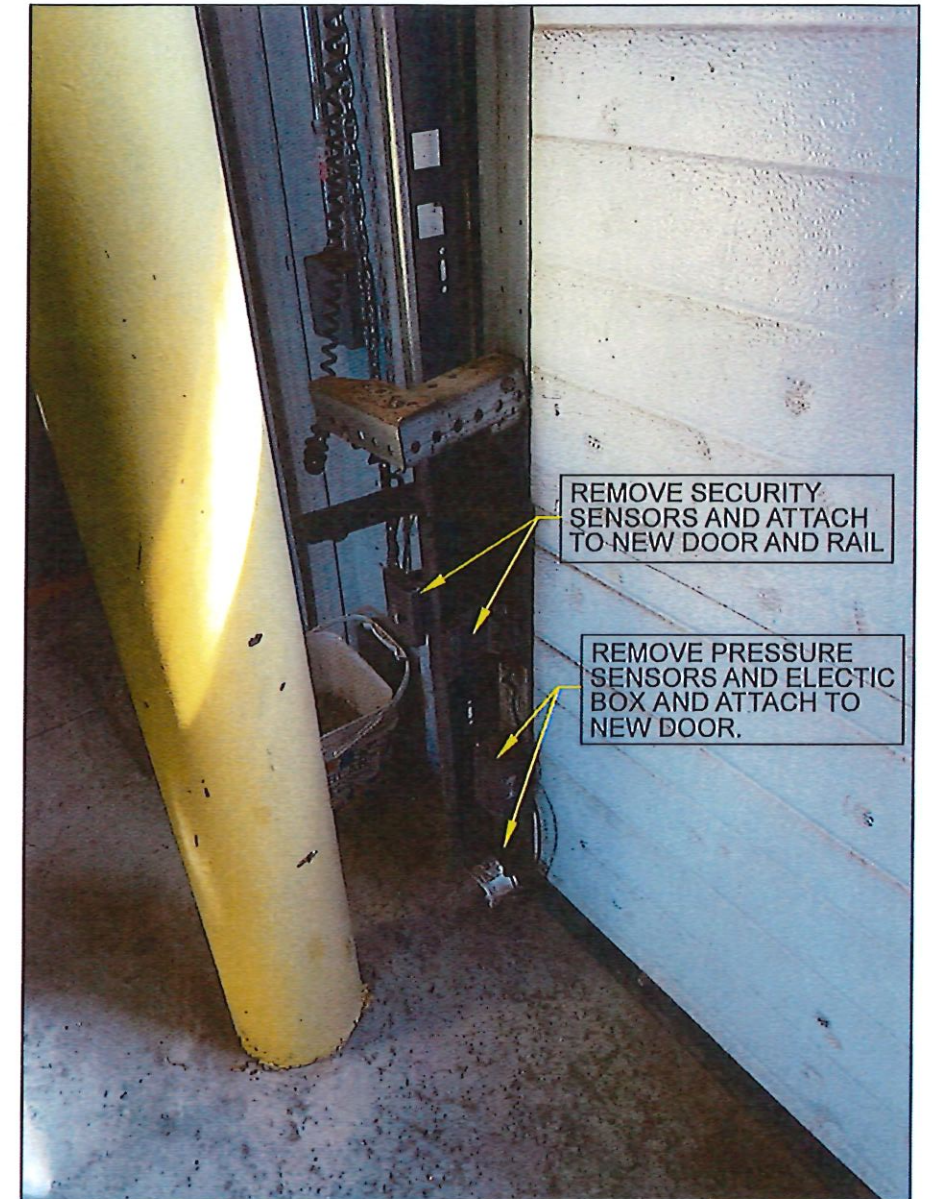














DJ (LOGIC 5.0)
DOOR LOCK
JACKSHAFT
OPERATOR

Section 08 71 13

Key Features

STANDARD APPLICATION

- OPERATOR SPEED
LIMIT SETTINGS
INTERNAL DOOR LOCK SENSOR
EMERGENCY DISCONNECT FOR MANUAL OPERATION
EMERGENCY DISCONNECT WITH AUTO-RECONNECT
PROGRAMMING
CIRCUIT BOARD
TIMER-TO-CLOSE
CLUTCH
MID-STOP
RUN TIME PROTECTION
MOTOR REVERSE ACTION PROTECTION
MOTOR OPERATOR WALL CONTROL
PUSH BUTTON STATION

Specifications

RADIO RECEIVER
VOLTAGE CONNECTIONS

CONTROL CIRCUIT
DRIVE REDUCTION

BEARINGS/BUSHINGS

BRAKE
CONSTRUCTION

WARRANTY

Installation Features

- UNIVERSAL MOUNTING
MAXIMUM DOOR HEIGHT
MAXIMUM DOOR WIDTH
MAXIMUM ALLOWABLE SQUARE FOOTAGE
INTERNET CONNECTIVITY



DATA SHEET

Recommended for lighter rolling steel doors/grilles and high or vertical-lift sectional overhead doors in standard duty-cycle commercial applications where a manual hoist is not required; door lock sensor is ideal for shopping mall grille applications
8-9 Inches per second
Mechanical
Eliminates jamming and damage to door and operator if door is opened when locked
Floor-level emergency release sash chain
Reconnects when tension is removed from emergency release sash chain
Control function selector dial/tactile buttons
Solid-state Logic 5.0 circuit board
Programmable in 1 second and 15 second increments up to 60 minutes, standard
Standard adjustable friction clutch
Programmable
Maximum run timer
Delay-on-reverse circuit
3-Button Control Station with Maintenance Alert System (MAS)
3-Push button station (Open/Close/Stop)

LiftMaster® Security+ 2.0®
Single-phase: 115V/230V dual voltage; 3-phase: 208V/230V/460V dual voltage;
3-phase: 575V single voltage
5VDC NEC class 2
Belt/chain & pulley; first-stage heavy-duty 5L V-belt; second-third-fourth stages
#48 chain; #50 output sprocket chain
Industrial ball bearings on a 1" output shaft; heavy-duty oil-filled bushings
on reduction shafts
Standard on 3/4 operators; optional on 1/2 HP
NEMA 1 type electrical box; heavy-duty 11-gauge steel frame with durable powder
coat finish; all reduction sprockets drilled and pinned to shafts
2 years

Yes
26 feet standard with additional capability\*
22 feet standard with additional capability\*
560 square feet
myQ® Technology enables remote monitoring and control of the commercial door
via a smart phone, tablet, or computer\*\*

\* Contact us at Specs@LiftMaster.com for additional capabilities.
\*\* LiftMaster Internet Gateway and myQ app required.



DJ (LOGIC 5.0)
DOOR LOCK
JACKSHAFT
OPERATOR

Section 08 71 13

Dimensions

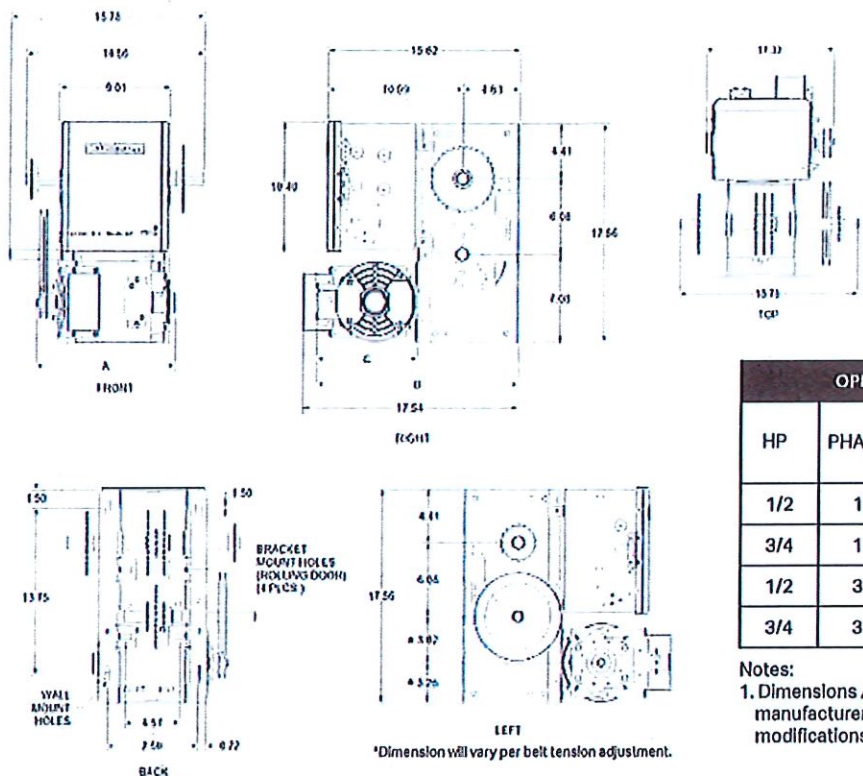


Table with 5 columns: HP, PHASE, DIMENSIONS (A, B, C). Rows show specifications for 1/2 and 3/4 HP, 1 and 3 phase configurations.

Notes:
1. Dimensions A, B & C may vary per motor manufacturer specification revisions and special modifications to the operator.

Capacity

Table with 7 columns: MAXIMUM DOOR AREA (SQ. FT.), 24 ga. Steel, 22 ga. Steel, 20 ga. Steel, 18 ga. Steel, 16 ga. Steel, 14 ga. Steel. Rows show capacity for Rolling and Sectional door types.

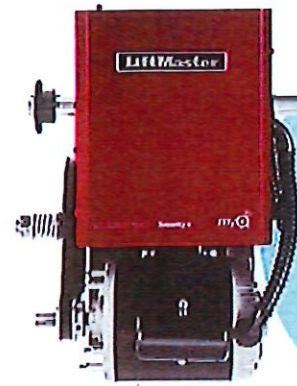
On steel insulated doors, a 24-gauge back panel is assumed. If a heavier back panel is supplied, use the next higher HP rating. Recommended max duty cycles: 25 per hour, up to 90 per day.

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LHMAREDSJ1021 1/22





## DOORLOCK JACKSHAFT (DJ) LOGIC 5.0 COMMERCIAL DOOR OPERATOR



**INDUSTRIAL-DUTY APPLICATIONS**

**IDEAL FOR SHOPPING MALLS AND CAFETERIAS**  
Includes Floor-Level Disconnect for Manual Lifting of Smaller/Lighter Doors/Grilles

**INTERNAL DOORLOCK SENSOR**  
Prevents Damage by Restricting Door Activation While Door Is Locked

**WALL OR HOOD MOUNTS**  
for Rolling Doors/Grilles and Sectional Overhead Doors with Vertical High Lift

### SMART

MyQ® TECHNOLOGY ENABLES MONITORING AND CONTROL OF THE FACILITY OPERATORS THROUGH A MOBILE APP.

GRID VIEW TO EFFICIENTLY MONITOR ALL THE DOORS IN THE FACILITY.

REAL-TIME ALERTS INDICATE THE STATUS OF DOORS VIA EMAIL OR PUSH NOTIFICATIONS.

CONNECTIVITY REQUIRES PURCHASE OF INTERNET GATEWAY (828LM) OR MyQ HOME BRIDGE (819LMB), SOLD SEPARATELY.

### SAFE AND SECURE

**SECURITY+ 2.0®** SAFEGUARDS FACILITY ACCESS WITH ROLLING CODE TECHNOLOGY, OPENING FOR REGISTERED DEVICES ONLY.

**TIMER-TO-CLOSE** CAN BE PROGRAMMED TO CLOSE THE DOOR AFTER A SET AMOUNT OF TIME.

**THE COMMERCIAL PROTECTOR SYSTEM®** AUTO-REVERSES THE DOOR IF AN ENTRAPMENT PROTECTION DEVICE DETECTS AN OBSTRUCTION.

UL 325 REQUIRES ALL COMMERCIAL DOOR OPERATORS TO BE EITHER CONSTANT PRESSURE TO CLOSE OR BE EQUIPPED WITH A PRIMARY EXTERNAL MONITORED ENTRAPMENT DEVICE.

### RELIABLE

**CONTINUOUS-DUTY HIGH-STARTING TORQUE MOTOR** PERFORMS IN DEMANDING INDUSTRIAL OVERHEAD AND ROLLING DOOR APPLICATIONS.

**WARRANTY 2 YEARS.**

**BEYOND INDUSTRY STANDARDS:** LIFTMASTER® IS COMMITTED TO QUALITY PRODUCTS, INNOVATIVE DESIGN AND COMPREHENSIVE SERVICES.

### MONITORED ENTRAPMENT PROTECTION:

**COMMERCIAL PHOTO EYES**  
Indoor use; NEMA 1 rated;  
max. range: 30 ft.



CPS-U

**RETRO-REFLECTIVE PHOTO EYE**  
Photo eye and reflector with polarized beam; Indoor/outdoor use; NEMA 4X rated; max. range: 50 ft.



CPS-RPEN4

**DUAL-SIDED PHOTO EYES**  
Flexible rubber housings resist water spray and corrosion; Indoor/outdoor use; NEMA 4X rated; max. range: 45 ft.



CPS-OPEN4

**COMMERCIAL PROTECTOR SYSTEM**  
Heavy-duty industrial housings; Indoor/outdoor use; NEMA 4 rated; max. range: 45 ft.



CPS-UN4

**OPTICAL EDGE SYSTEM**  
Infrared optical sensors in a customizable rubber enclosure are protected against water; Indoor/outdoor use; NEMA 6 rated; max. range: 33 ft.



OES

### NON-MONITORED ENTRAPMENT PROTECTION:

**LIGHT CURTAIN**  
Provides 36 inches of increased zone coverage for additional protection; Indoor use; max. range: 33 ft.



LC-36A

### TOTAL SOLUTION ACCESSORIES:

**ENCRYPTED DIP 3-BUTTON, 3-COLOR REMOTE CONTROL**  
Extreme-range remote programmable for open/close/stop operation.



813LM

**INTERNET GATEWAY**  
Enables smartphone monitoring and control of each operator.



828LM

**RED/GREEN TRAFFIC LIGHT**  
High-intensity LED lights indicate the door status for safe exit and entry in any light (TLS1CARD recommended).



RGL-CTL

LiftMaster offers accessory solutions for any commercial application. View the full product lineup at LiftMaster.com

**LiftMaster**

## MASTERFUL ENGINEERING.

### MOTOR

- Available in 1/2 and 3/4 HP
- Instant Reverse and Overload Protection
- Capacitor Start on Single-Phase
- Removable without Affecting Limit-Switch Settings

### POWER

- Dual-Voltage Connections
- Single-Phase: 115V and 230V
- 3-Phase: 208V, 230V and 460V
- Discrete Model: 575V
- Customizable Voltage to Meet Job Requirements
- 5V DC NEC Class 2 Control Voltage

### COMMERCIAL-GRADE DESIGN

- Industrial Ball Bearings on 1" Output Shaft
- Floor-Level Disconnect for Manual Lifting Operation in an Emergency
- Solenoid Brake Standard on 3/4 HP Operators (Optional on 1/2 HP)
- Drive Reduction: Heavy-Duty 5L V-Belt (First Stage); #48 Chain (Additional Reductions); #50 Output Sprocket Chain

## STANDARD SPECS.

### SECURITY+ 2.0® RADIO RECEIVER

- ACCEPTS:
- (30) 3-Button Remote Controls or (90) 1-Button Remote Controls
  - Additional 30 Wireless Keypads
  - Unlimited DIP Switch Remotes

### WIRING

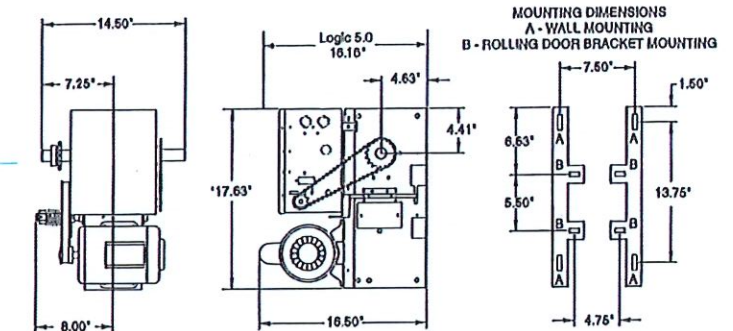
- Control Function Selector Dial Allows Easy Selection of 7 Wiring Types to Meet Users' Needs
- C2 (Constant Pressure to Close) Wiring Preset
- Wiring Types B2, T, TS and FSTS Can Be Selected with the Addition of an Entrapment Protection Device
- Monitored Entrapment Protection Is Recommended When Using C2, D1 or E2
- Logic 5.0 Operators Only Accept UL-Approved LiftMaster® Entrapment Protection Devices

### CONSTRUCTION

- NEMA 1 Type Electrical Box
- Heavy-Duty 11-Gauge Steel Frame with Durable Powder-Coated Finish
- All Reduction Sprockets Drilled and Pinned to Shafts
- Mid-Stop Enables Partial Openings to a Programmed Position for Environmental Control and Time Savings
- Adjustable Friction Clutch Protects the Door and Operator from Damage and Obstructions



LOGIC 5.0  
DOORLOCK JACKSHAFT OPERATOR



\*FOR MODELS WITH BRAKES, ADD 2"  
(BRAKE STANDARD ON 3/4 HP, OPTIONAL ON 1/2 HP)

### MAXIMUM DOOR AREA (SQ. FT.)

		24 GA. STEEL	22 GA. STEEL	20 GA. STEEL	18 GA. STEEL	16 GA. STEEL
		ALUMINUM GRILLES	ALUMINUM DOORS	STEEL GRILLES	STEEL DOORS	STEEL DOORS
ROLLING	1/2	400	350	320	280	250
	3/4	560	500	450	380	325
SECTIONAL	1/2	400	350	320	280	250
	3/4	560	500	450	380	325

## MODIFICATIONS AND ACCESSORIES. BUILT FOR ANY APPLICATION.

- Key Control Switch with Stop Button (02-110): Indoor Flush Mount with Architectural Faceplate; Surface Mount and Outdoor Options Available
- TLS1CARD: Timer Light Status Plug-In Option Card (Typically Used to Control Red/Green Traffic Light and Audible Devices)
- AUXCARD: Auxiliary Contacts Plug-In Option Card (with Relays That Change State While the Door Is Moving and When the Operator Is Powered Down)
- Auxiliary Limits: Auxiliary Limit Switches at Open and Closed Limits to Control Lights, Heaters, Dock Levelers and Other Auxiliary Devices

For more detailed information or to configure your model number, please visit Dealer.LiftMaster.com

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PRODUCT GUIDE DJ

LOGIC 5.0 DOORLOCK JACKSHAFT OPERATOR



MODEL 3" ENERGYSAVER™  
ARCHITECTURAL SPECIFICATIONS



3-INCH ENERGYSAVER HIGHLIGHTS

DOOR TYPE: POLYSTYRENE INSULATED    PANEL THICKNESS: 2.875 INCH    R-VALUE: R17.05    INSTALLED U-FACTOR: 0.15 BTU/HR·FT²·°F  
U-Factor is tested per ANSI-DASMA 105. Installed U-Factor and calculated U-Value are NOT equivalent.

SECTION INFORMATION		
STEEL	STANDARDS	SPECIFICATIONS
Thickness	ASTM A653	25 Ga. 20 Ga. (Available)
Embossing		Pebble Texture
Hot Dipped Galvanized Coating	ASTM A924	
THERMAL BREAKS	TYPE	LOCATION
Top/Bottom Extrusions	PVC	Top/Bottom Of Sections
Alcryn	Thermoplastic Elastomer	Bottom Of Sections
Seal Stripes	Polypropylene	Face Side End Of Stiles
STILES	MATERIAL	SPECIFICATIONS
End Stiles	HDG Steel	16 Ga. 13 Ga.
Center Stiles	HDG Steel	16 Ga. 13 Ga.
FINISH	TYPE	SPECIFICATIONS
Prime Coat	Urethane Primer	0.2 mil
Top Coat	Baked On Polyester	0.8 mil

PERFORMANCE DATA		
FEATURE	STANDARDS	SPECIFICATIONS
Wind Guard Package* <small>*OPTIONAL. Not available in all sizes, consult factory for unusual requirements.</small>	ANSI/DASMA A102	IBC 2015 Exposure B Or C Building Category II Or III
Installed U-Factor <small>U-Factor is tested per ANSI-DASMA 105. Installed U-Factor and calculated U-Value are NOT equivalent.</small>	ANSI/DASMA 105	0.15 BTU/HR·FT²·°F
R-Value	ASTM C236	R17.05
AIR INFILTRATION	STANDARDS	COMPLIANCE
15 mph	ANSI/DASMA 105 ASTM E283	0.08 cfm/ft²
25 mph	ANSI/DASMA 105 ASTM E283	0.13 cfm/ft²

OPERATION	
OPERATOR	TYPE
Pull Rope	Standard Equipment
Chain Hoist or Electric Operators	Optional

As manufactured by Midland Garage Door Mfg. Co. Related structure work, opening preparation, field painting, electrical work falls to the responsibility of other trades. Garage doors should be installed in compliance with Midland Garage Door Mfg. Co. Instructions by authorized Midland Garage Door Installation professionals.

HARDWARE & COUNTERBALANCE		
HARDWARE	FEATURES	SPECIFICATIONS
Hinges	ASTM A123	G60
Rollers	Floating, Bearing	Nylon Steel
SPRING COUNTERBALANCE	STANDARDS	COMPLIANCE
Helical Wound Coil Springs	ASTM A229	10,000 Cycle Standard 25,000 Cycle Available 50,000 Cycle Available 100,000 Cycle Available
Lift Cables		Galvanized Aircraft Type
Cross Header Shaft	ANSI/DASMA 102	Designed for Appropriate SF

TRACKS, LOCK & WEATHERSTRIP		
TRACK	STANDARDS	SPECIFICATIONS
2 Inch Track	ASTM A1008/A1010	Angle Mount
3 Inch Track	ASTM A1008/A1010	Angle Mount
LOCK	TYPE	SPECIFICATIONS
Slide Lock	Interior Mounted	
Keyed Lock	Optional	
WEATHERSTRIP	MOUNTING	LOCATION
U-Shape Astragal	Aluminum Retainer	Bottom Of Door

DOOR OPTIONS	
FINISH OPTIONS	
Standard Colors	White, Almond, Sandtone, Tera-Bronze, Belge, Green And Coffee
ColorSelect	Select Custom Color
Powder Coat	Select Custom Color
ADD-ONS	
• Thermal Glazing	• Bottom Sensing Edge
• High Cycle Springs	• Flexible PVC Dual Flap Header Seal
• Jamb Weatherstrip	• Full Vision Aluminum Sections (White Standard With Optional Anodized, Powder Coat, Or ColorSelect Custom Colors)
• Electric Operators	
• Chain Hoist	

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