

REVIEWED – SATISFACTORY

REVIEWED AS NOTED

RESUBMIT

SUBMIT ____ RECORD COPIES

Reviewed for general design only. Contractor shall be responsible for dimensions, quantities, and field coordination.

By Dave Dahlke Date: 4/15/24
Project Manager



Project:

Location:

Date:

LaForce Project Manager:

Phone:

Ext.

Email:

LaForce Sales:

Office:

Email:

HOLLOW METAL

HARDWARE

WOOD DOORS

KEYING

Single Openings

To hand a door stand from the outside or key side.

LEFT HAND Hinges on left opens inward	
LEFT HAND REVERSE Hinges on left opens outward	
RIGHT HAND Hinges on right opens inward	
RIGHT HAND REVERSE Hinges on right opens outward	

LAFORCE

 **ELECTRONIC SECURITY SYSTEMS**
powered by LAFORCE

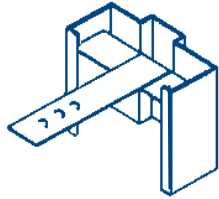
Double Openings

To hand a door stand from the outside or key side.

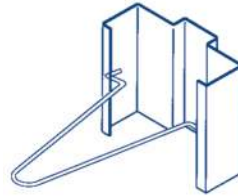
LEFT HAND Hinges on left opens inward	
LEFT HAND REVERSE Hinges on left opens outward	
RIGHT HAND Hinges on right opens inward	
RIGHT HAND REVERSE Hinges on right opens outward	

1. Your order is subject to the terms and conditions found at <http://www.laforceinc.com>.
2. These shop drawings are **NOT** to be used for ordering glass, wood doors or any other doors to fit our frames. You must contact LaForce for any needed information related to our doors or frames.
3. Responsibility for the use or misinterpretation of this schedule rests with the user. If any clarification is required, such clarification should be obtained before fabrication or installation of any materials.
4. Any discrepancies regarding the approved hardware and it's application are to be brought to the attention of LaForce prior to fabrication of any associated materials.
5. Shipping bars attached to frames: Shipping bars are intended to prevent the frame from twisting during transit and are NOT to be used as a spreader bar to set/install the frame.
6. **STOP painters and other trades from painting-over or removing fire labels.** We will not be responsible for fire labels being painted-over or removed from our doors or frames by anyone. Fire labels are required by code. If painted-over or removed from the door or frame, the fire rating will be voided for the entire door opening.
7. Door silencers are supplied installed in hollow metal frames intended for masonry walls.
8. No changes can be made after we have ordered or fabricated material in accordance with the approved shop drawings. All changes will be treated as supplemental orders. Material no longer required will be treated as owner's attic stock.
9. Any tools, wrenches, instructions and maintenance sheets, or information packed with the locks, closers, panic devices, and other pieces of hardware are to be turned over to the owner.
10. We must be notified about any missing or damaged material **within 3 days of delivery.** Failure to notify us within such 3-day period will result in extra charges for replacement materials.
11. **NO BACK CHARGES** for work done or material furnished by anyone other than LaForce will be accepted without prior written approval from our office.

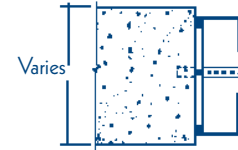
PLEASE READ



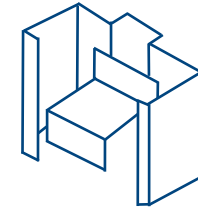
**Masonry Wall
MA**



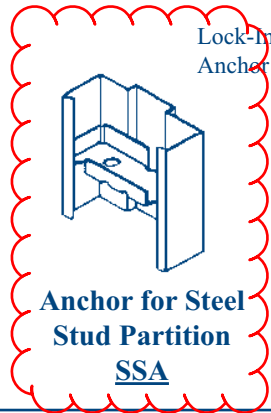
**Masonry Wire
Anchor
MWA**



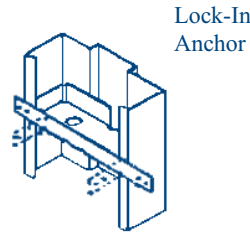
**Existing Wall
"pin thru anchor"
EWA**



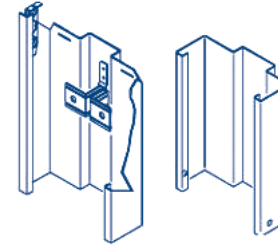
**Welded in Steel
Stud Anchor "Z"
SSA**



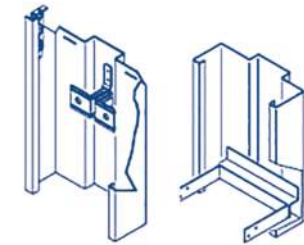
**Anchor for Steel
Stud Partition
SSA**



**Anchor for Wood
Stud Partition
WSA**



**Compression Anchor with
Dimpled Base Anchor
CAD**



**Compression Anchor with
Strap Base Anchor
CAS**

***** LAFORCE ABBREVIATIONS *****

Fire Ratings

A	3 hour	20	20 min
B	1.5 hour	60	60 min
C	45 min	B250	temp rise 250°

Door "Series" Columns

- 14** 14 Gauge
- 16** 16 Gauge
- 18** 18 Gauge
- 20** 20 Gauge
- 22** 22 Gauge
- F** Flush Edges
- G** Galvannealed (UNO)
- M** Mineral Wool Core
- P** Polystyrene Core
- T** Top Cap
- U** Urethane Core
- V** Vertical Stiffened
- X** Hollow Metal Specialty Door - see details
- WX** Wood Specialty Door - see details

Frame "Type" Columns

- 14** 14 Gauge
- 16** 16 Gauge
- C** Cased Open
- D** Double Backbend Drywall Welded Frame
- G** Galvannealed (UNO)
- K** Knock Down Double Backbend Drywall Frame
- M** Standard Section (single backbend) Welded Frame
- S** Hollow Metal Specialty Frame - see details
- U** Unassembled
- WS** Wood Specialty Frame - see details

Frame Anchors

- CAD** Compression Anchor with Dimpled Base - KD Only
- CAS** Compression Anchor with Strap Base - KD Only
- EWA** Existing Wall Anchors x Expansion Bolt
- EWM** Existing Wall Anchors x Machine Screw
- EWT** Existing Wall Anchors x Tapcon
- EWV** Existing Wall Anchors x Wood Screw
- MA** Masonry Anchors
- MWA** Masonry Wire Anchors
- NA** Not Applicable
- SP** Special Anchors
- SSA** Steel Stud Anchors
- WSA** Wood Stud Anchors

General Abbreviations

- AL** Aluminum
- AWS** All Wood Screws
- BO** By Others
- BOF** Bottom of Frame
- BP** Back Paint
- BS** Backset
- BTB** Back to Back Mounting
- C/C** Cut for Cylinder
- CTC** Center to Center
- DA** Double Acting
- DE** Double Egress
- DL** Deadlock
- DW** Drywalled Opening
- EX** Existing
- GL** Glass Door
- HC** Hollow Core
- HJ** Hinge Jamb
- HL** Hospital Latch
- HM** Hollow Metal
- HR** Head Reinforced
- HS** Hospital Stop
- ITS** Intertek
- LBR** Less Bottom Rod
- MDO** Medium Density Overlay
- NA** Not Applicable
- OH** Overhead Door
- PA** Parallel Arm Mounting
- PLAM** Plastic Laminate
- REG** Regular Arm Mounting
- SC** Solid Core
- SJ** Strike Jamb
- SMS** Sheet Metal Screws
- SNB** Sex Bolts
- TB** Through Bolts
- TJ** Top Jamb Mounting
- TMS** Template Machine Screws
- UL** Underwriters Laboratories
- UNO** Unless Noted Otherwise
- WD** Wood
- WH** Warnock Hersey
- WS** Wood Screws

PLEASE READ

INSTALLATION TIPS

- Refer to manufacturer's installation instruction sheets for proper installation of all door hardware.
- Install overhead stops, bar coordinators, and mounting brackets before installing door closers.
- Mount at heights as directed, otherwise mount at industry recommendations.
- Insure that the door & frame are plumb.
- Over tightened fasteners could cause binding.

PROJECT COMPLETION REQUIREMENTS

Turn over to the owner the following:

- Installation instructions
- Special installation tools
- Hardware schedules & related drawings
- Keying information and instructions
- Excess hardware & fasteners
- Warranty information
- Operational information

TROUBLE SHOOTING QUICK TIPS

IF THIS HAPPENS . . .

	✓	✓	✓	✓	✓	✓	✓	HARDWARE ITEM
1. Door won't close	✓	✓	✓				✓	Hinge, Closer
2. Door binds	✓	✓					✓	Hinge
3. Door won't latch	✓	✓	✓	✓			✓	Hinge, Closer, Strike
4. Latchbolt is difficult to retract				✓	✓	✓	✓	Strike, Lock, Key
5. Latchbolt hangs up on strike	✓		✓	✓			✓	Closer, Strike
6. Latchbolt won't engage into strike	✓		✓	✓			✓	Closer, Strike
7. Latchbolt won't fully extend						✓	✓	Lock
8. Bottom rod won't latch, or drags	✓		✓	✓			✓	Closer, Exit Device, Strike
9. Top & bottom rods won't latch	✓		✓	✓			✓	Closer, Exit Device, Strike
10. Key is difficult to turn				✓	✓	✓	✓	Strike, Lock, Key

. . . CHECK THIS

- Improper hardware installation
- Floor not level
- Fasteners are over tightened
- Worn or improperly cut key
- Strike and latchbolt are misaligned
- Closer adjusted or sized improperly
- Hinge screws not tight
- Door or frame out of plumb



Standards As Tough As Steel.™

4/12/2024

Dave Dahlke
Venture Construction
17500 W LIBERTY LN
NEW BERLIN, WI 53146

Re: FORAGE KITCHEN
Pewaukee, WI
LaForce Job #2174928SO

Dear Dave:

We have enclosed (1) electronic copy of our hollow metal, wood door, door hardware and keying schedules for your approval. Also included is/are (1) copy of the hardware cutsheets. Shop drawings are prepared from the Architectural Drawings dated 2/15/2024 including Addenda n/a.

Please return (1) copy of the approved schedule as soon as possible to avoid any delays in the processing of your order.

We would like to call your attention to the following items:

- 1) Below is a list of delivery leadtimes for the items as scheduled. These leadtimes do not begin until we receive our approved shop drawings, along with a sufficient answer/response to each item in this letter. Please note that next to each of our leadtimes we have left a space for you to fill in your required need date. Please take a moment and fill in these dates, as they will help us to schedule your delivery.

MATERIAL	LEADTIMES	G.C. NEED DATES
Hollow metal frames	Appr. 2-3 weeks	<u>ASAP</u>
Eliason doors	Appr. 4-5 weeks	<u>6/10/24</u>

To avoid delay, please return approved shop drawings by 4/19/2024. Include a copy of the construction schedule for coordination and our records.

- 2) Please forward the site contact and contact information.

Jason Radway 414-550-4777

- 3) Please forward the jobsite delivery address

1390 Capitol Dr Pewaukee

- 4) We have scheduled all hollow metal doors with the industry standard 3/4" undercut, and all wood doors with a 5/8" undercut, unless noted otherwise. (Note: Undercut is measured from the bottom of the frame to the bottom of the door.) We have found these undercuts sufficient to accommodate most floor coverings and eliminate the need for cutting or grinding door bottoms in the field due to uneven floors, carpet thickness, etc. If any doors require undercuts different from what we have noted, please advise us of which doors & the exact undercut required.

No

- 5) Frames scheduled to work with standard 4 7/8" wall with steel stud anchors

Yes

- 6) Overall width for the paired opening is scheduled as 42"

Yes

Respectfully,

Brittany Hinkle
LaForce, Inc.
P: 262-345-7215, ext. 120702

Enclosures

cc: Mike Husting - LaForce Inc.

INDEX BY DOOR NUMBER

Door #	Hdw Set #	Heading	Page	Door #	Hdw Set #	Heading	Page
3684		v1	3				
4284		v1	3				

Job Name: VENTURE CONSTRUCTION GROUP

Location: ,

LaForce Job#: 2174928SO

Page: 1

4/12/2024 11:51:46 AM



INDEX BY HARDWARE SET

Hdw Set #	Door #	Heading	Page		Hdw Set #	Door #	Heading	Page
	3684	v1	3					
	4284	v1	3					

Job Name: VENTURE CONSTRUCTION GROUP

Location: ,

LaForce Job#: 2174928SO

Page: 2

4/12/2024 11:51:46 AM



VERTICAL HARDWARE SCHEDULE

HARDWARE SET: (Heading: v1)

Door	Location		Rating	Hand	Degree
3684		Sgl 3'-0" x 7'-0" x 1 3/8" HMFR * DF Comment: RH SWING * DF Comment: ELIASON LWP-3			
4284		Sgl 3'-6" x 7'-0" x 1 3/8" HMFR * DF Comment: PAIRED OPENING, EQ LEAF * DF Comment: ELIASON LWP-3			

Each Leaf to have:

HARDWARE SET: (Heading: v1)

Qty		Description	Finish	Mfg	LF Code
		No Hardware Designated			

* UNAPPROVED *

DOORS, FRAMES, & HARDWARE SCHEDULE
2174928SO - VENTURE CONSTRUCTION GROUP

* UNAPPROVED *

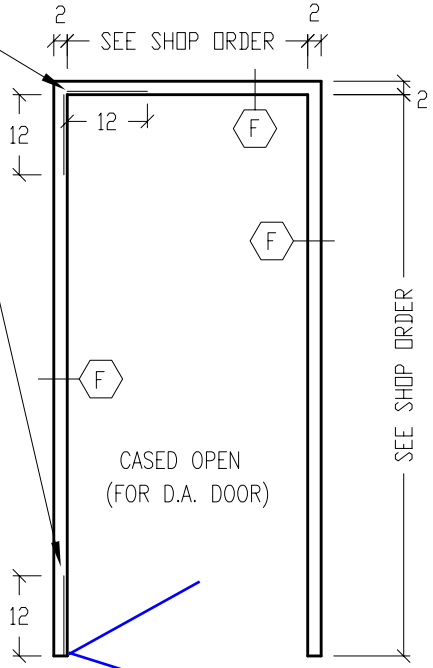
RUN DATE 4/12/2024 11:51:54 AM

RUN BY brittany.hinkle

MOST RECENT LF CHANGE ORDER INCLUDED :

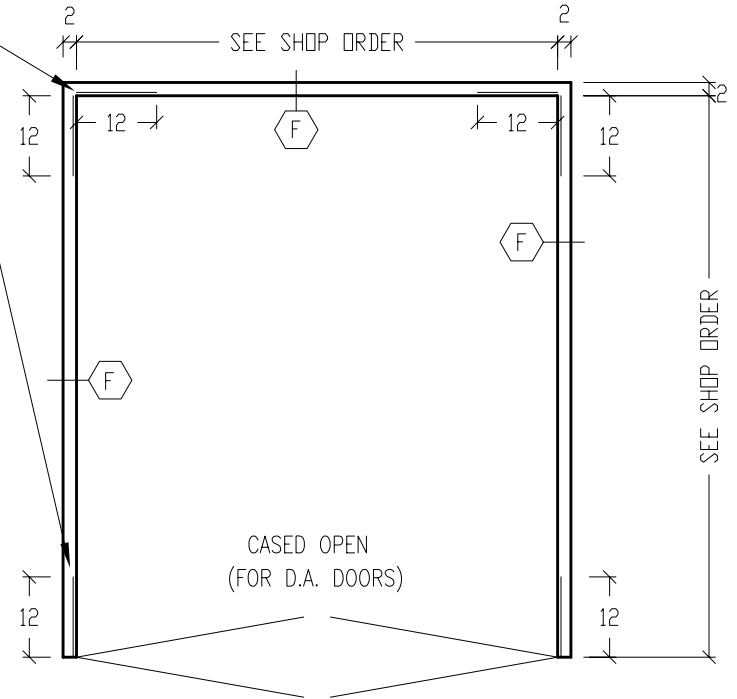
DESCRIPTION OF PRODUCT

12g REINF. FULL WIDTH OF JAMB.

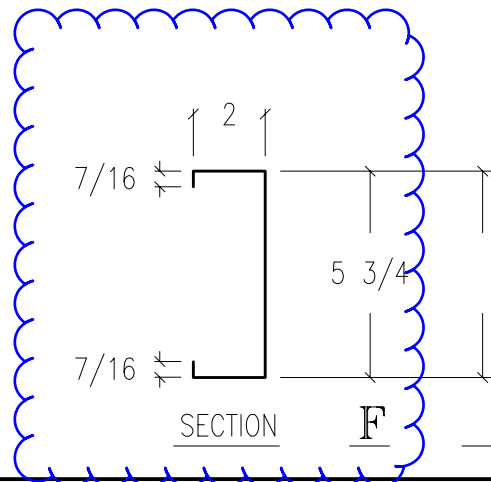


ELEV 9

12g REINF. FULL WIDTH OF JAMB.



ELEV 10



Eliason

LWP-3 Aluminum Traffic Door

Attractive design in a lightweight, economical separation solution.



The Eliason LWP-3 traffic door is a lightweight, economical solution where visual separation is desired between kitchen and dining areas, customer service and back room, or sales floor and stock room. The door body is constructed of a special alloy tempered aluminum that creates a desirable door with just the right amount of flexibility.



ELIASON®

A SENNECA COMPANY

Phone: 800.828.3655
email: doors@eliasoncorp.com

Eliason

LWP-3 Aluminum Traffic Door

Specifications, Construction and Color Options

Opening Limits

	Height, Full	Height, Dutch	Width
Minimum:	48"	N/A	18"
Maximum:	96"	N/A	96"

Construction

Door Thickness: .063"

Finish: Clear anodized tempered aluminum alloy (both sides)

Hinge: Eliason Easy Swing® Hinge System

Window: Standard 9" x 14" clear acrylic set in black rubber molding

Standard Specifications

Panel:

Core: 1/16" Aluminum Alloy
Surface Finish: Satin Anodize
Impact Protection: none

Edge Trim:

Top: N/A
Bottom: N/A
Swing: N/A
Jamb: N/A

Vision Panel:

Size: 9" x 14"
Material: Single Pane Acrylic Safety Glass
Edging: Gasket

Hardware:

Hinge: Eliason Easy Swing® Hinge System, LW
Material: Zinc Plated Steel

Fasteners:

Top Pod: #10 - 32 Pan Head Machine Screw w/ Nylon Lock Nut
Bottom Leaf: #10 - 32 Pan Head Machine Screws w/ Nylon Lock Nut
Edge Trim: N/A
Impact Protection: 3/16" Stainless Steel Rivet
Panel to Bearing Plate: 5/16" - 18 x 3/4" Hex Head w/Nylon Lock Nut

Color Options:

Actual color samples should always be requested if color accuracy or matching is key to your decision.



Aluminum



Phone: 800.828.3655
email: doors@eliasoncorp.com



ELWP3-FL-1122

LWP-3 ORDER FORM

Quote/Order# _____

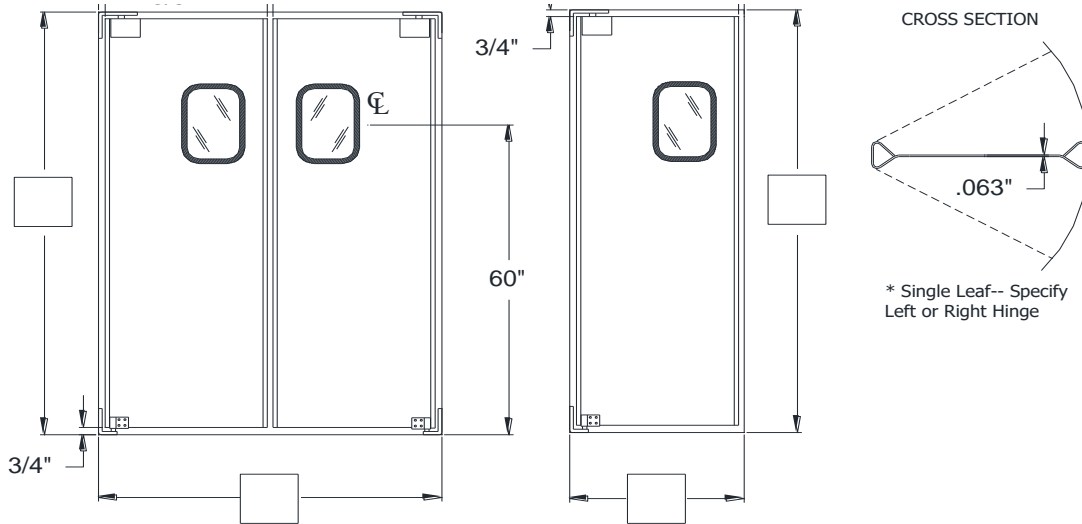
Company Name: _____

Attention: _____

Email: _____

Phone#: _____

Job Name: _____



Fill in Opening Size in the Blanks Provided Above

STANDARD SPECIFICATIONS: Door body .063" tempered aluminum alloy, satin anodized finish. 9" x 14" clear acrylic safety window set in black rubber molding. Door assembly includes the original "NO SPRING" Easy Swing® hinges and both 1/4" - 20 x 1" thread cutting screws and #14 -1-1/2" sheet metal/wood screws for jamb by others.

INSTALLATION DETAILS: Jambs must be plumb and square. Minimum double 2 x 4 inch wood construction or equivalent. Hollow metal jambs should be reinforced at hinge locations.

SPECIFIC DETAILS FOR DOOR CONSTRUCTION:

JAMB GUARD: 3" X 9" 5" X 18"

WINDOW: Standard 9" X 14" In Black Rubber Molding, Up 60" to Center of Window from Floor
 Other: _____

PLATE: Specify Height: _____
 Color/Material: Stainless Steel Galvanized Steel Black ABS Other _____

BUMPER: Aluminum Bumper Strip

OTHER SPECIFICATIONS: _____

APPROVED BY: _____

DATE: _____

Eliason Corporation

DOCUMENT NOT CONTROLLED WHEN PRINTED