



# AUTOMATIC SWING DOOR OPENER M-FORCE<sup>TM</sup> WITH SWING-GUARD LE

### 4.05- LOW ENERGY OPERATOR ON ALUMINUM DOOR & FRAME

- 4.05.01 LE OPERATOR, AL FRAME, VISIBLE, RH-IN
- 4.05.02 LE OPERATOR, AL FRAME, VISIBLE, LH-IN
- 4.05.03 LE OPERATOR, AL FRAME, VISIBLE, RH-OUT
- 4.05.04 LE OPERATOR, AL FRAME, VISIBLE, LH-OUT
- 4.05.05 LE OPERATOR, AL FRAME, VISIBLE, PAIR IN
- 4.05.06 LE OPERATOR, AL FRAME, VISIBLE, PAIR OUT
- 4.05.07 LE OPERATOR, AL FRAME, CONCEALED, RH-IN
- 4.05.08 LE OPERATOR, AL FRAME, CONCEALED, LH-IN
- 4.05.09 LE OPERATOR, AL FRAME, CONCEALED, PAIR
- 4.05.10 LE OPERATOR, AL FRAME, VISIBLE, SINGLE ON PAIR, RH-IN
- 4.05.11 LE OPERATOR, AL FRAME, VISIBLE, SINGLE ON PAIR, LH-IN
- 4.05.12 LE OPERATOR, AL FRAME, VISIBLE, SINGLE ON PAIR, RH-OUT
- 4.05.13 LE OPERATOR, AL FRAME, VISIBLE, SINGLE ON PAIR, LH-OUT

POWER-

-DOOR

MOUNTED

SAFETY

SENSOR

PAIR CONCEALED

MAGIC

**HEADER** 

POWER **TRANSFER** 

(TYPICAL)

4.05

PAGE:

4.05\_MF-L-AL-SGLE.DWG

DRAWING:

# MAGIC-FORCE™ WITH **SWING-GUARD® LE**

LOW ENERGY OPERATOR ON ALUMINUM DOOR & FRAME		
PROJECT INFORMATION		
PROJECT NAME:		
LOCATION:		
DOOR NUMBER(S):		
DATE:	SHEET:	OF

**EXTERIOR** 

INTERIOR

VISIBLE "OUT"

**EXTERIOR** 

RIGHT HAND

LEFT HAND

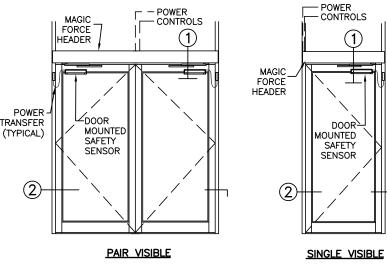
PAIR

PAIR

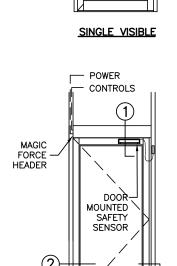
SAFETY ZONE

RIGHT HAND

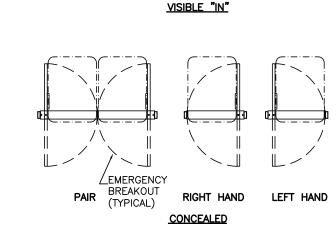
(TYPICAL)



CONTROLS

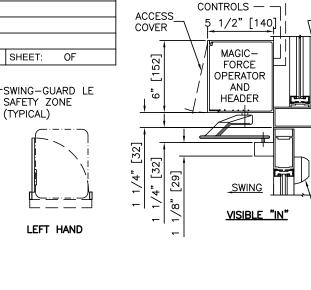


SINGLE CONCEALED

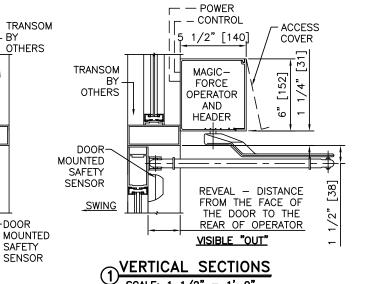


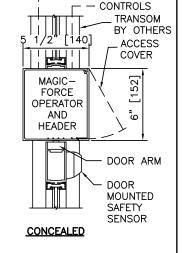
PLAN VIEWS

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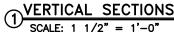


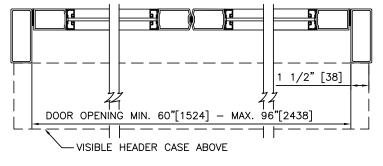
POWER — —





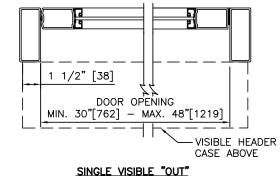
- - POWER

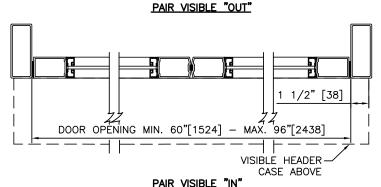


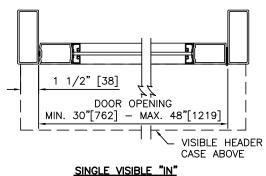


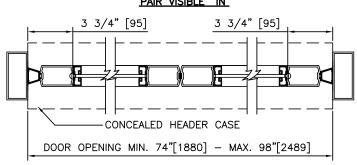
- BY

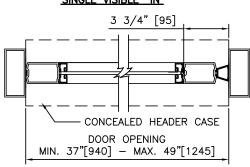
-DOOR











SINGLE CONCEALED

LOW ENERGY OPERATOR ON ALUMINUM DOOR & FRAME

PAIR CONCEALED

HORIZONTAL SECTIONS

MAGIC-FORCE™ **WITH** SWING-GUARD® LE

**Access Technologies** 

1. ELECTRICAL REQUIREMENTS: BY ELECTRICAL CONTRACTOR 1.1 120 VAC, 5 AMP MIN TO OPERATOR.

1.2 CONTROL CIRCUIT FROM ACTIVATION TO OPERATOR.

2. DOORS, FRAMES, AND HARDWARE BY OTHERS. 3. DOORS MUST BE UN-LATCHED FOR PROPER OPERATION. PROVIDE

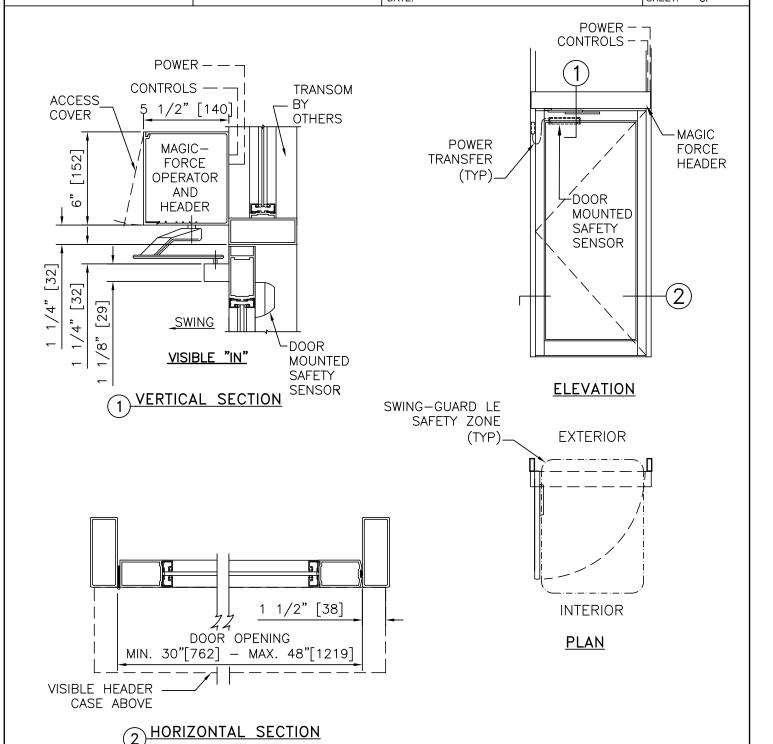
**ELEVATIONS** 

SCALE: 1/4" = 1'-0"

- TIME DELAY RELAY WHEN REQUIRED FOR PROPER OPERATION. 4. LIMITS OF SAFETY ZONES ARE PROVIDED FOR REFERENCE ONLY.
- 5. OPERATOR AND INSTALLATION TO COMPLY WITH ANSI/BHMA A156.10. 6. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



LOW ENERGY OPERATOR, AL FRAME, VISIBLE	, RIGHT HA	ND IN	
PROJECT INFORMATION			_
PROJECT NAME:			_
LOCATION:			_
DOOR NUMBER(S):			_
DATE:	SHEET.	OF	

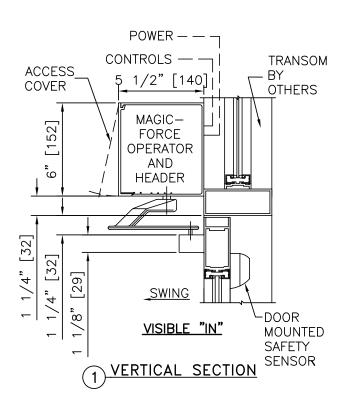


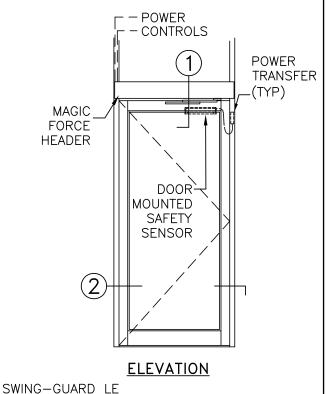
### NOTES:

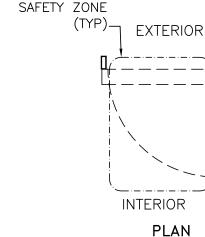
- 1. DETAILS NOT TO SCALE.
- 2. ELECTRICAL REQUIREMENTS: BY ELECTRICAL CONTRACTOR 2.1 120 VAC, 5 AMP MIN TO OPERATOR. 2.2 CONTROL CIRCUIT FROM ACTIVATION TO OPERATOR.
- 3. DOORS, FRAMES, AND HARDWARE BY OTHERS.
  4. DOORS MUST BE UN—LATCHED FOR PROPER OPERATION. PROVIDE TIME DELAY RELAY WHEN REQUIRED FOR PROPER OPERATION.
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- 6. OPERATOR AND INSTALLATION TO COMPLY WITH ANSI/BHMA A156.10.
- 7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

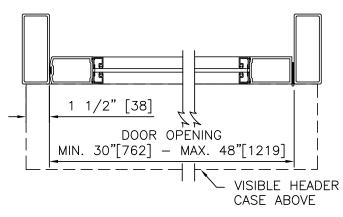


LOW ENERGY OPERATOR, AL FRAME, VISIBLE	, LEFT HA	ND IN	
PROJECT INFORMATION			
PROJECT NAME:			
LOCATION:			
DOOR NUMBER(S):			
DATE:	SHEET:	OF	









# HORIZONTAL SECTION

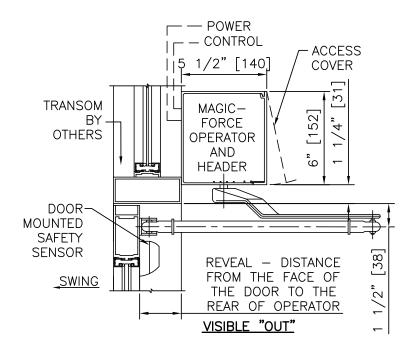
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- 1. DETAILS NOT TO SCALE.
- 2. ELECTRICAL REQUIREMENTS: BY ELECTRICAL CONTRACTOR 2.1 120 VAC, 5 AMP MIN TO OPERATOR. 2.2 CONTROL CIRCUIT FROM ACTIVATION TO OPERATOR.
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REVISION: 09/28/2021

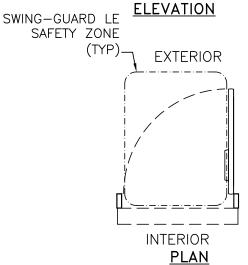


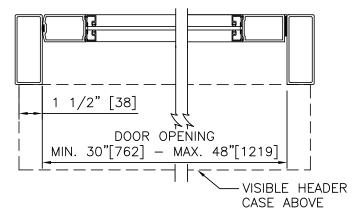
LOW ENERGY OPERATOR, AL FRAME, VISIBLE, I	RIGHT HAI	ID OUT	
PROJECT INFORMATION			
PROJECT NAME:			
LOCATION:			
DOOR NUMBER(S):			
DATE:	SHEET:	OF	



- POWER - CONTROLS **POWER TRANSFER** (TYP) MAGIC **FORCE HEADER** DOOR MOUNTED SAFETY **SENSOR** 2

VERTICAL SECTION





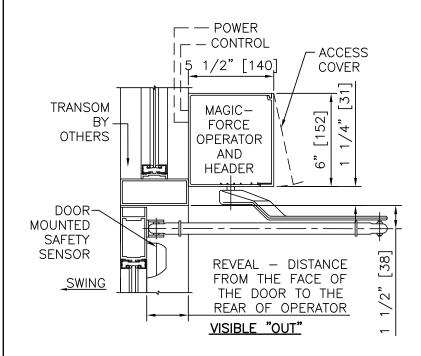
# HORIZONTAL SECTION

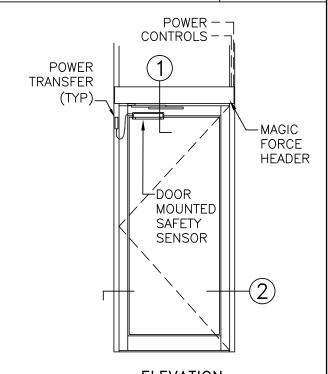
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- 1. DETAILS NOT TO SCALE.
- 2. ELECTRICAL REQUIREMENTS: BY ELECTRICAL CONTRACTOR 2.1 120 VAC, 5 AMP MIN TO OPERATOR. 2.2 CONTROL CIRCUIT FROM ACTIVATION TO OPERATOR.
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- 7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

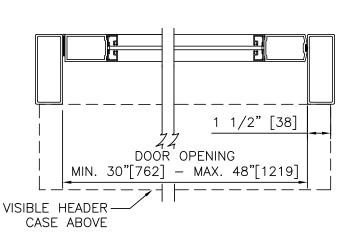


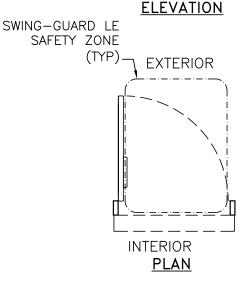
LOW ENERGY OPERATOR, AL FRAME, VISIBLE, LEFT HAND OUT			
PROJECT INFORMATION			
PROJECT NAME:			
LOCATION:			
DOOR NUMBER(S):			
DATE:	SHEET:	OF	





# VERTICAL SECTION





# (2) HORIZONTAL SECTION

### NOTES:

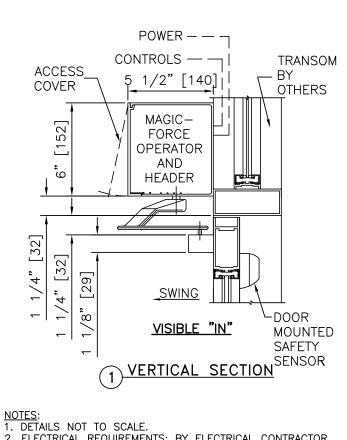
- 1. DETAILS NOT TO SCALE.
- 2. ELECTRICAL REQUIREMENTS: BY ELECTRICAL CONTRACTOR
  - 2.1 120 VAC, 5 AMP MIN TO OPERATOR.
    2.2 CONTROL CIRCUIT FROM ACTIVATION TO OPERATOR.
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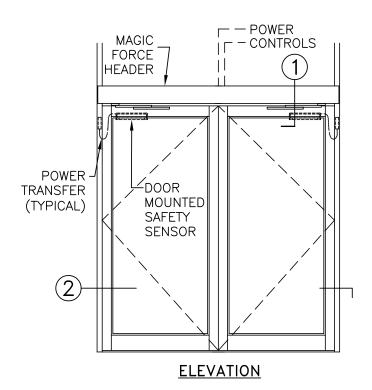
REVISION: 09/28/2021

PAGE: 4.05.04



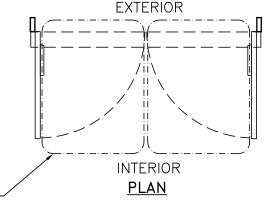
LOW ENERGY OPERATOR, AL FRAME, VISIBLE, PAIR IN		
PROJECT INFORMATION		
PROJECT NAME:		
LOCATION:		
DOOR NUMBER(S):		
DATE:	SHEET.	OF

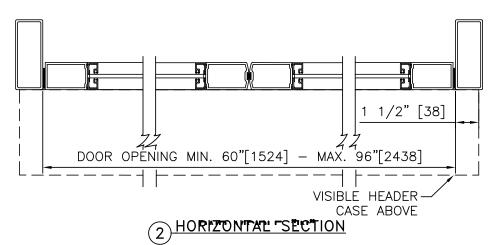




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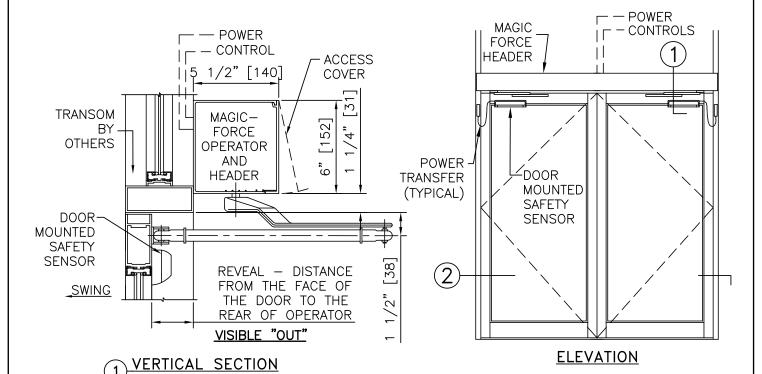
SWING-GUARD LE SAFETY ZONE (TYP)







LOW ENERGY OPERATOR, AL FRAME, VISIBLE, PAIR OUT			
PROJECT INFORMATION			
PROJECT NAME:			
LOCATION:			
DOOR NUMBER(S):			
DATE:	SHEET:	OF	



SWING-GUARD LE-

SAFETY ZONE

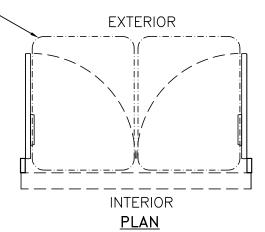
(TYP)

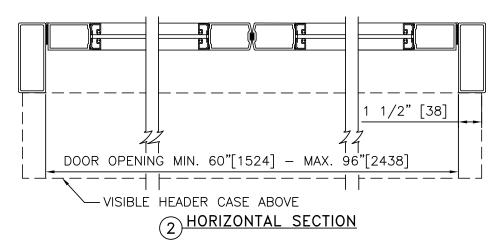
NOTES:

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2. ELECTRICAL REQUIREMENTS: BY ELECTRICAL CONTRACTOR 2.1 120 VAC, 5 AMP MIN TO OPERATOR.
2.2 CONTROL CIRCUIT FROM ACTIVATION TO OPERATOR.

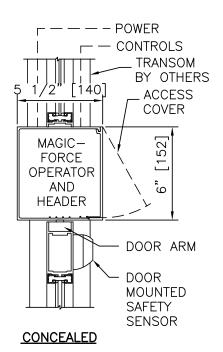
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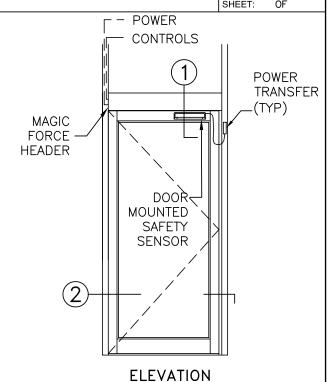




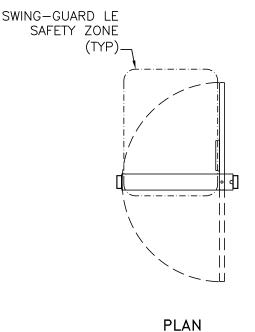
LOW ENERGY OPERATOR, AL FRAME, CONCEA	LED, RIGHT	HAND	
PROJECT INFORMATION			
PROJECT NAME:			
LOCATION:			
DOOR NUMBER(S):			
DATE:	опест.	ΩE	



VERTICAL SECTION



3 3/4" [95] CONCEALED HEADER CASE DOOR OPENING MIN. 37"[940] - MAX. 49"[1245]HORIZONTAL SECTION

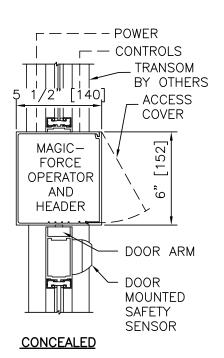


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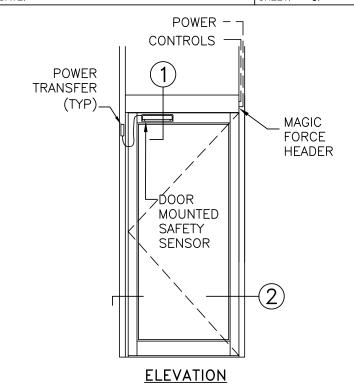
- 1. DETAILS NOT TO SCALE.
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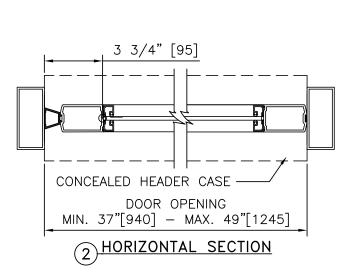


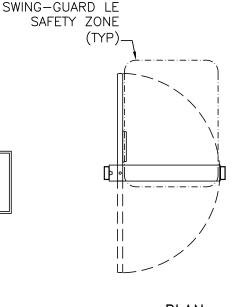
LOW ENERGY OPERATOR, AL FRAME, CONCEA	LED, LEFT	HAND	
PROJECT INFORMATION			
PROJECT NAME:			
LOCATION:			
DOOR NUMBER(S):			
DATE:	SHEET	OF	



VERTICAL SECTION







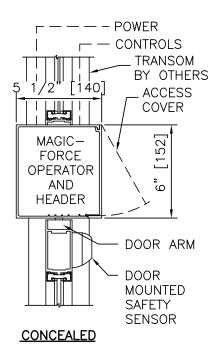
**PLAN** 

### NOTES:

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- 7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



LOW ENERGY OPERATOR, AL FRAME, CONC	EALED, P	4IR	
PROJECT INFORMATION			
PROJECT NAME:			
LOCATION:			
DOOR NUMBER(S):			
DATE:	SHEET:	OF	



POWER-7 - CONTROLS **MAGIC FORCE HEADER POWER TRANSFER** DOOR (TYPICAL) MOUNTED SAFETY **SENSOR** 2 SWING-GUARD LE **ELEVATION** SAFETY ZONE

(TYP).

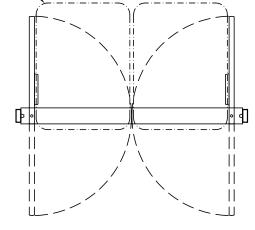
**VERTICAL SECTION** 

NOTES:

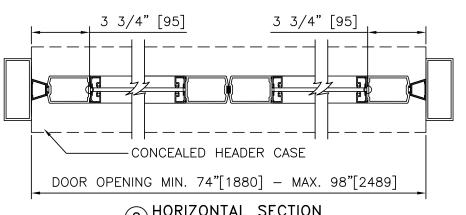
1. DETAILS NOT TO SCALE.

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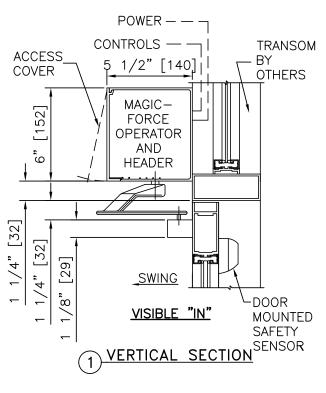
**PLAN** 

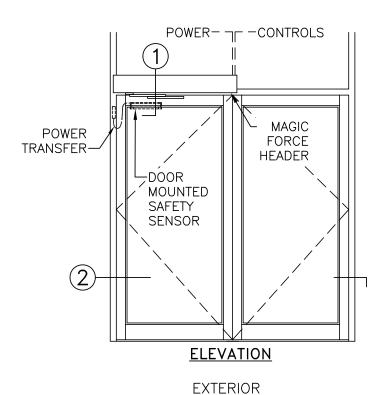


(2) HORIZONTAL SECTION



LE OPERATOR, AL FRAME, VISIBLE, SINGLE ON PAIR, RIGHT HAND			THAND IN
PROJECT INFORMATION			
	PROJECT NAME:		
	LOCATION:		
	DOOR NUMBER(S):		
	DATE.	SHEET.	OF

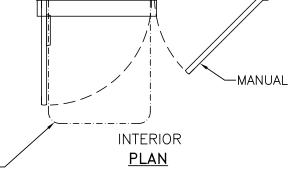


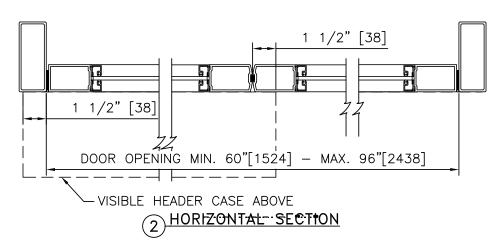


- NOTES:

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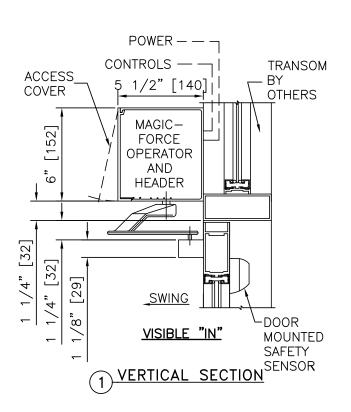
SWING-GUARD LE SAFETY ZONE (TYP)

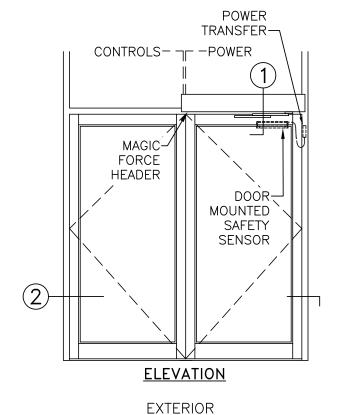






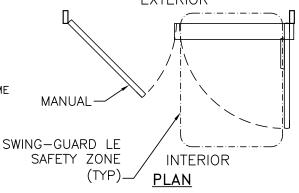
LE OPERATOR, AL FRAME, VISIBLE, SINGLE ON F	PAIR, LEFT	HAND IN
PROJECT INFORMATION		
PROJECT NAME:		
LOCATION:		
DOOR NUMBER(S):		
DATE:	енеет.	ΩE

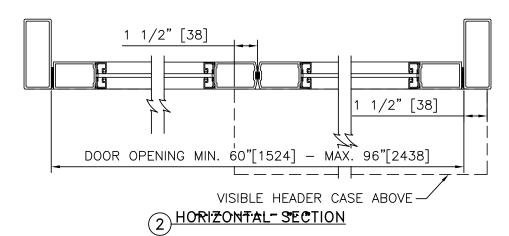




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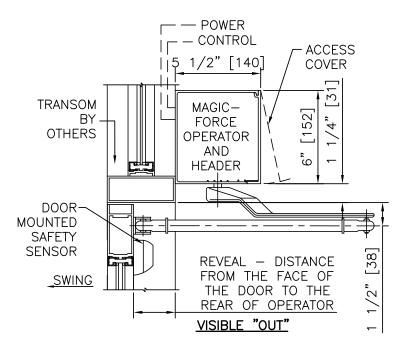






LE OPERATOR, AL FRAME, VISIBLE, SINGLE ON PAIR, RIGHT HAND OUT			
PROJECT INFORMATION			
PROJECT NAME:			
LOCATION:			
DOOR NUMBER(S):			
DATE:	SHEET	OF	

POWER



TRANSFER-CONTROLS- $\neg \Gamma$ -POWER MAGIC: **FORCE HEADER DOOR** MOUNTED **SAFETY SENSOR** (2)**ELEVATION** 

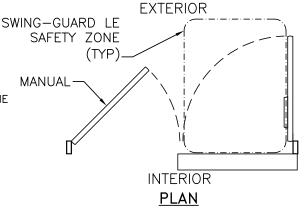
**VERTICAL SECTION** 

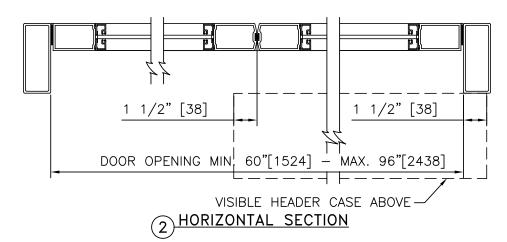
NOTES:

1. DETAILS NOT TO SCALE.

2. ELECTRICAL REQUIREMENTS: BY ELECTRICAL CONTRACTOR 2.1 120 VAC, 5 AMP MIN TO OPERATOR.
2.2 CONTROL CIRCUIT FROM ACTIVATION TO OPERATOR.

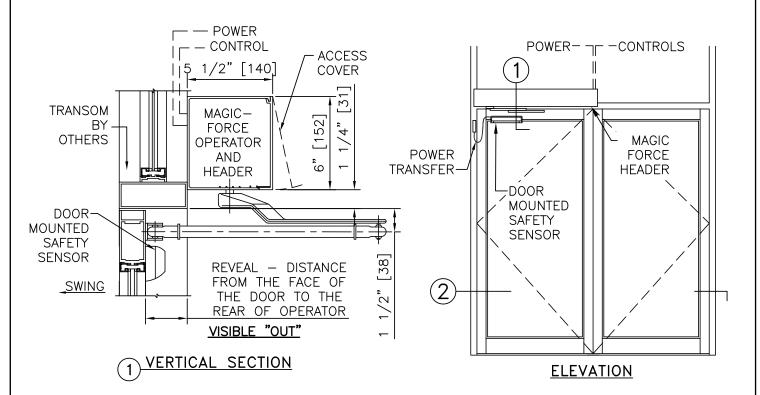
- 3. DOORS, FRAMES, AND HARDWARE BY OTHERS.
  4. DOORS MUST BE UN-LATCHED FOR PROPER OPERATION. PROVIDE TIME DELAY RELAY WHEN REQUIRED FOR PROPER OPERATION.
- 5. LIMITS OF SAFETY ZONES ARE PROVIDED FOR REFERENCE ONLY.
- 6. OPERATOR AND INSTALLATION TO COMPLY WITH ANSI/BHMA A156.10.
- 7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.







LE OPERATOR, AL FRAME, VISIBLE, SINGLE ON PAIR, LEFT HAND OUT			
PROJECT INFORMATION			
PROJECT NAME:			
LOCATION:			
DOOR NUMBER(S):			
DATE:	SHEET:	OF	



### NOTES:

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