4.23- LOW ENERGY OPERATOR, ON ALUMINUM DOOR & FRAME

- 4.23.01 - FE OPERATOR, AL FRAME, VISIBLE, RH-IN
- 4.23.02 - FE OPERATOR, AL FRAME, VISIBLE, LH-IN
- 4.23.03 - FE OPERATOR, AL FRAME, VISIBLE, RH-OUT
- 4.23.04 - FE OPERATOR, AL FRAME, VISIBLE, LH-OUT
- 4.23.05 - FE OPERATOR, AL FRAME, VISIBLE, PAIR IN
- 4.23.06 - FE OPERATOR, AL FRAME, VISIBLE, PAIR OUT
- 4.23.07 - FE OPERATOR, AL FRAME, CONCEALED, RH
- 4.23.08 - FE OPERATOR, AL FRAME, CONCEALED, LH
- 4.23.09 - FE OPERATOR, AL FRAME, CONCEALED PAIR
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 ACTIVATION AND SAFETY ZONES ARE PROVIDED FOR REFERENCE ONLY; SEE ANSI/BHMA A156.10 FOR SPECIFIC
   REQUIREMENTS.
6. OPERATOR AND INSTALLATION TO COMPLY WITH ANSI/BHMA A156.10.
7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
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M-FORCE™
(NEXT GENERATION MAGIC-FORCE™)
WITH
SWING-GUARD®

POWER CONTROL

ACCESS COVER

TRANSOM BY OTHERS

DOOR MOUNTED SAFETY SENSOR

SWING

REVEAL - DISTANCE FROM THE FACE OF THE DOOR TO THE REAR OF OPERATOR

VERTICAL SECTION

1 1/2” [38]

DOOR OPENING

MIN. 30”[762] - MAX. 48”[1219]

VISIBLE HEADER CASE ABOVE

HORIZONTAL SECTION

1

POWER CONTROLS

M-FORCE HEADER

DOOR MOUNTED SAFETY SENSOR

POWER TRANSFER (TYP)

M-FORCE OPERATOR AND HEADER

ELEVATION

SWING-GUARD SAFETY ZONE (TYP)

EXTERIOR

GUIDE RAIL (TYP)

INTERIOR PLAN

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(NEXT GENERATION MAGIC-FORCE™)
WITH
SWING-GUARD®

POWER CONTROLS
TRANSOM BY OTHERS
ACCESS COVER

M-FORCE OPERATOR AND HEADER

DOOR ARM
DOOR MOUNTED SAFETY SENSOR

CONCEALED HEADER CASE
DOOR OPENING MIN. 31"[788] – MAX. 49"[1245]

1 VERTICAL SECTION

POWER TRANSFER (TYP)
M-FORCE HEADER
DOOR MOUNTED SAFETY SENSOR

2 HORIZONTAL SECTION

ELEVATION
GUIDE RAIL (TYP)
SWING-GUARD SAFETY ZONE (TYP)

PLAN

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REVISION: 08/25/2019
PAGE: 4.23.07
CONCEALED

VERTICAL SECTION

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NEXT GENERATION MAGIC-FORCE™
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CONCEALED

1 VERTICAL SECTION

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CONCEALED HEADER CASE

DOOR OPENING MIN. 62”[1575] – MAX. 98”[2489]

2 HORIZONTAL SECTION