4.06- LOW ENERGY OPERATOR ON HM/WOOD DOOR & FRAME

- 4.06.01 - LE OPERATOR, HMW FRAME, VISIBLE, RH-IN
- 4.06.02 - LE OPERATOR, HMW FRAME, VISIBLE, LH-IN
- 4.06.03 - LE OPERATOR, HMW FRAME, VISIBLE, RH-OUT
- 4.06.04 - LE OPERATOR, HMW FRAME, VISIBLE, LH-OUT
- 4.06.05 - LE OPERATOR, HMW FRAME, VISIBLE, PAIR IN
- 4.06.06 - LE OPERATOR, HMW FRAME, VISIBLE, PAIR OUT
- 4.06.07 - LE OPERATOR, HMW FRAME, VISIBLE, PAIR DE
- 4.06.09 - LE OPERATOR, HMW FRAME, VISIBLE, SINGLE ON PAIR, RH-IN
- 4.06.10 - LE OPERATOR, HMW FRAME, VISIBLE, SINGLE ON PAIR, LH-IN
- 4.06.11 - LE OPERATOR, HMW FRAME, VISIBLE, SINGLE ON PAIR, RH-OUT
- 4.06.12 - LE OPERATOR, HMW FRAME, VISIBLE, SINGLE ON PAIR, LH-OUT
M-FORCE™ (NEXT GENERATION MAGIC-FORCE™) WITH SWING-GUARD® LE

LOW ENERGY OPERATOR, HMW FRAME, VISIBLE, RIGHT HAND IN

PROJECT INFORMATION

PROJECT NAME:
LOCATION:
DOOR NUMBER(S):
DATE:

Sheet: of

POWER CONTROLS

ACCESS COVER

6" [152]

1 1/4" [32]

1 1/4" [32]

M-FORCE OPERATOR AND HEADER

SOLID BLOCKING REQUIRED BY OTHERS

POWER CONTROLS

M-FORCE HEADER

ELEVATION

DOOR MOUNTED SAFETY SENSOR

SWING—GUARD LE SAFETY ZONE (TYP)

EXTERIOR

INTERIOR

VERTICAL SECTION

PLANS

DOOR OPENING
MIN. 30" [762] – MAX. 48" [1219]

VISIBLE HEADER CASE ABOVE

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.
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 A156.19.
7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

REV: 08/24/2019

PAGE: 4.06.01
M-FORCE™
(NEXT GENERATION MAGIC-FORCE™)
WITH
SWING-GUARD® LE

POWER CONTROLS
5 1/2" [140]

SOLID BLOCKING REQUIRED BY OTHERS

M-FORCE OPERATOR AND HEADER

ACCESS COVER
6" [152]

1 1/4" [32]
1 1/8" [29]

SWING VISIBLE "IN"

DOOR MOUNTED SAFETY SENSOR

VERTICAL SECTION

POWER CONTROLS
M-FORCE HEADER

DOOR MOUNTED SAFETY SENSOR

ELEVATION

SWING-GUARD LE
SAFETY ZONE (TYP)

EXTERIOR

INTERIOR

HORIZONTAL SECTION

DOOR OPENING
MIN. 30"[862] – MAX. 48"[1219]

VISIBLE HEADER CASE ABOVE

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 A156.19.
7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

REVOLUTION: 08/24/2019
M-FORCE™
(NEXT GENERATION MAGIC-FORCETM)
WITH
SWING-GUARD® LE

LOW ENERGY OPERATOR, HMW FRAME, VISIBLE, RIGHT HAND OUT

PROJECT INFORMATION

PROJECT NAME:
LOCATION:
DOOR NUMBER(S):
DATE:

SOLID BLOCKING REQUIRED BY OTHERS

DOOR MOUNTED SAFETY SENSOR

POWER CONTROLS
5 1/2" [140]
ACCESS COVER
6" [152]
1 1/4" [32]

M-FORCE OPERATOR AND HEADER

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

VISIBLE "OUT"

1 VERTICAL SECTION

1 1/2"[38]
1 1/2"[38]

DOOR OPENING
MIN. 30"[762] — MAX. 48"[1219]

VISIBLE HEADER CASE ABOVE

2 HORIZONTAL SECTION

POWER CONTROLS
M-FORCE HEADER

DOOR MOUNTED SAFETY SENSOR

ELEVATION

SWING-GUARD LE SAFETY ZONE (TYP)

EXTERIOR

INTERIOR

PLAN

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 A156.19.
7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

REVISION: 08/24/2019
PAGE: 4.06.03
STANLEY Access Technologies

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

LOW ENERGY OPERATOR, HMW FRAME, VISIBLE, LEFT HAND OUT

PROJECT INFORMATION

PROJECT NAME:
LOCATION:
DOOR NUMBER(S):
DATE:

SOLID BLOCKING REQUIRED BY OTHERS

DOOR MOUNTED SAFETY SENSOR

POWER CONTROLS
5 1/2" [140]

ACCESS COVER

M-FORCE OPERATOR AND HEADER

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

VERTICAL SECTION

VISIBLE "OUT"

1 1/2" [38]

POWER CONTROLS

DOOR MOUNTED SAFETY SENSOR

SWING-GUARD LE SAFETY ZONE (TYP)

EXTerior

INTERIOR PLAN

1 1/2" [38]

1 1/2" [38]

DOOR OPENING
MIN. 30"[762] – MAX. 48"[1219]

VISIBLE HEADER CASE ABOVE

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.
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 A156.19.
7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

REVISION: 09/24/2019
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**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 A156.19.
7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
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 A156.19.
7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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

LOW ENERGY OPERATOR, HMW FRAME, VISIBLE, PAIR OUT

PROJECT INFORMATION

PROJECT NAME:
LOCATION:
DOOR NUMBER(S):
DATE:

SOLID BLOCKING REQUIRED BY OTHERS

POWER CONTROLS
5 1/2” [140]

ACCESS COVER

M-FORCE OPERATOR AND HEADER

REVEAL - DISTANCE FROM THE FACE OF THE DOOR TO THE REAR OF OPERATOR
1 1/2” [38]

SWING

POWER TRANSFER (TYPICAL)

DOOR MOUNTED SAFETY SENSOR

VERTICAL SECTION

ELEVATION

SWING-GUARD LE SAFETY ZONE (TYP)

EXTERIOR

INTERIOR

PLAN

DOOR OPENING MIN. 60” [1524] - MAX. 96” [2438]

VISIBLE HEADER CASE ABOVE

HORIZONTAL SECTION
M-FORCE™
(NEXT GENERATION MAGIC-FORCE™)
WITH
SWING-GUARD® LE

LOW ENERGY OPERATOR, HMW FRAME, VISIBLE, PAIR DE

PROJECT INFORMATION

PROJECT NAME:
LOCATION:
DOOR NUMBER(S):
DATE:

SOLID BLOCKING REQUIRED BY OTHERS

POWER CONTROLS
5 1/2" [140]

ACCESS COVER

M-FORCE OPERATOR AND HEADER

1 1/2" [38]

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

1 1/2" [38]

DOOR MOUNTED SAFETY SENSOR

SWING

VERTICAL SECTION VISIBLE "OUT"

POWER CONTROLS
5 1/2" [140]

ACCESS COVER

M-FORCE OPERATOR AND HEADER

6" [152]

6" [152]

1 1/4" [32]

1 1/4" [32]

1 1/8" [29]

SWING

VERTICAL SECTION

POWER CONTROLS

M-FORCE HEADER

BELT TRANSFER (TYPICAL)

DOOR MOUNTED SAFETY SENSOR

ELEVATION

SWING-GUARD LE SAFETY ZONE (TYP)

EXTERIOR

INTERIOR

PLAN

1. VERTICAL SECTION
2. VERTICAL SECTION
3. HORIZONTAL SECTION

DOOR OPENING MIN. 60"(1524) – MAX. 96"(2438)

VISIBLE HEADER CASE ABOVE

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 A156.19
7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

REVISION: 09/24/2019
PAGE: 4.06.07
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 A156.19.
7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
M-FORCE™
(NEXT GENERATION MAGIC-FORCE™)
WITH
SWING-GUARD® LE

LE OPERATOR, HMW FRAME, VISIBLE, SINGLE ON PAIR, LH IN

PROJECT INFORMATION

PROJECT NAME:
LOCATION:
DOOR NUMBER(S):
DATE:

1 Vertical Section

ACCESS COVER

POWER CONTROLS

5 1/2” [140]

M-FORCE OPERATOR AND HEADER

SOLID BLOCKING REQUIRED BY OTHERS

VISIBLE "IN"

DOOR MOUNTED SAFETY SENSOR

2 Elevation

POWER TRANSFER

M-FORCE HEADER

DOOR MOUNTED SAFETY SENSOR

SWING-GUARD LE SAFETY ZONE (TYP)

EXTERIOR

MANUAL

INTERIOR

3 Horizontal Section

POWER CONTROLS

M-FORCE OPERATOR AND HEADER

SOLID BLOCKING REQUIRED BY OTHERS

VISIBLE "IN"

DOOR MOUNTED SAFETY SENSOR

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 ACTINATION 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 A156.19.
7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

DOOR OPENING MIN. 60”[1524] - MAX. 96”[2438]

2 Horizontal Section

VISIBEL HEADER CASE ABOVE

REVISION: 08/24/2019

PAGE: 4.06.10
**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 A156.19.
7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
M-FORCE™
(NEXT GENERATION MAGIC-FORCE™)
WITH
SWING-GUARD® LE

LE OPERATOR, HMW FRAME, VISIBLE, SINGLE ON PAIR, LH OUT

PROJECT INFORMATION

PROJECT NAME:
LOCATION:
DOOR NUMBER(S):
DATE:

SOLID
BLOCKING
REQUIRED
BY OTHERS

POWER
- CONTROLS
5 1/2” [140]

ACCESS
COVER

M-FORCE
OPERATOR
AND
HEADER

REVEAL - DISTANCE
FROM THE FACE OF
THE DOOR TO THE
REAR OF OPERATOR
1 1/2” [38]

1 1/4” [32]

VERTICAL SECTION

1

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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5. LIMITS OF SAFETY ZONES ARE PROVIDED FOR REFERENCE ONLY.
6. OPERATOR AND INSTALLATION TO COMPLY WITH ANSI/BHMA A156.19.
7. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

SWING-GUARD LE
SAFETY ZONE
(TYP)

EXTERIOR

MANUAL

INTERIOR

PLAN

1 1/2” [38]

DOOR OPENING MIN. 60”[1524] – MAX. 96”[2438]

VISIBLE HEADER CASE ABOVE

HORIZONTAL SECTION

2

REVISED: 09/24/2019
PAGE: 4.06.12