

INSTALLATION PREPARATION GUIDELINES

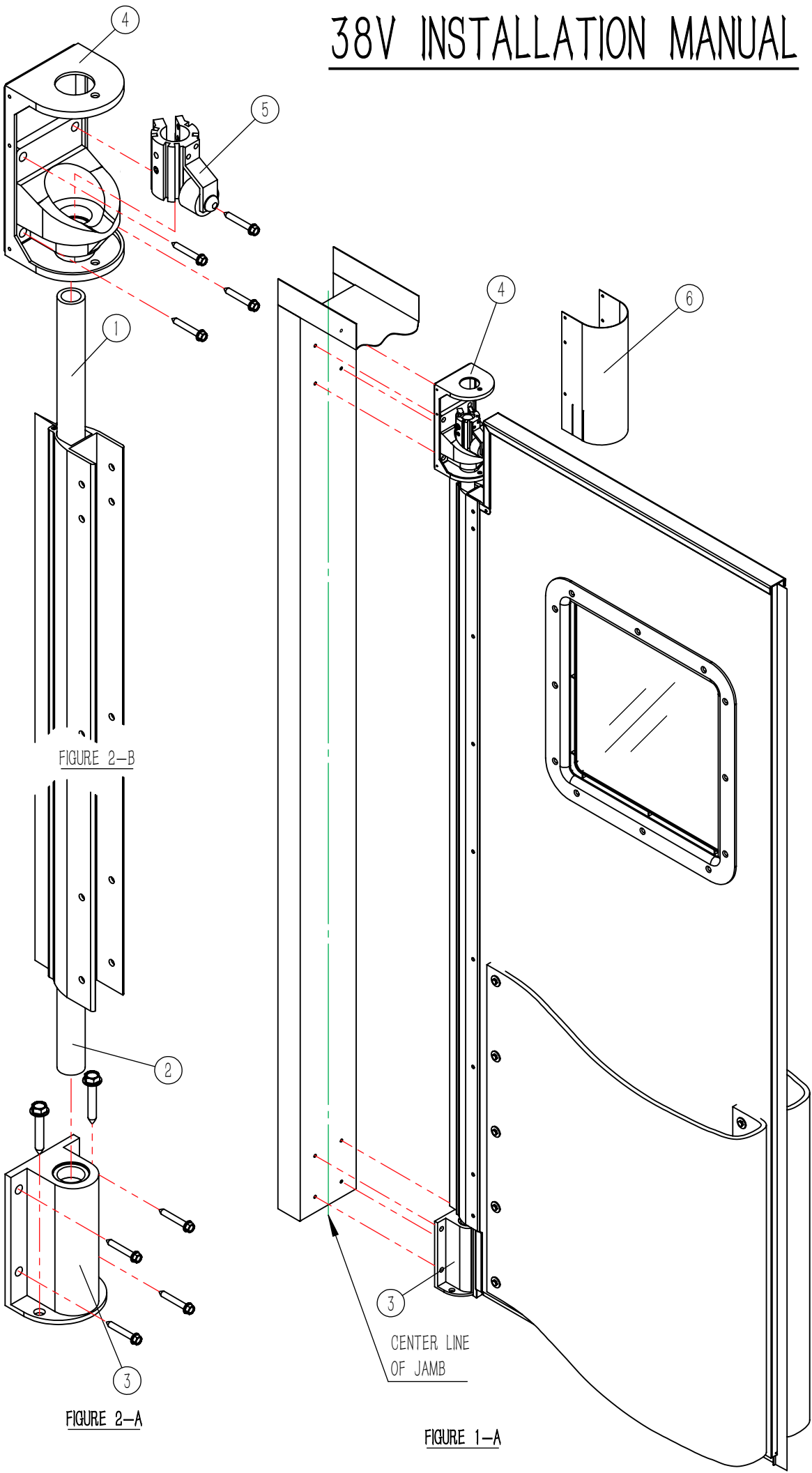
- 1.COMPONENT INVENTORY CHECK
INSPECT THE PACKAGE CONTENTS TO VERIFY ALL PARTS ARE PRESENT AND UNDAMAGED.
- 2.DOOR FRAME MEASUREMENT VERIFICATION
MEASURE THE INTERIOR DIMENSIONS OF THE DOOR FRAME.
ENSURE THEY MATCH THE SWINGING DOOR SPECIFICATIONS OUTLINED IN THE ORDER CONTRACT.
- 3.STRUCTURAL INTEGRITY INSPECTION
CONFIRM THE DOOR FRAME IS:
*PERFECTLY SQUARE (90° ANGLES AT ALL CORNERS)
*PLUMB (VERTICALLY ALIGNED)
*SECURELY ANCHORED TO THE STRUCTURE
SURFACE JOINTS MUST SHOW NO VISIBLE GAPS OR INSTABILITY.
- 4.MINIMUM FRAME REQUIREMENTS
FRAME MUST MEET:
*50MM THICKNESS×100MM WIDTH (NOMINAL LUMBER DIMENSIONS).

CRITICAL NOTE:
PROPER OPERATION REQUIRES PLUMB INSTALLATION. DEVIATIONS WILL VOID WARRANTY AND IMPAIR FUNCTIONALITY.IMMEDIATE ACTION REQUIRED FOR:
MISSING/DAMAGED COMPONENTS
FRAME DIMENSION MISMATCHES
STRUCTURAL NON-COMPLIANCE
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- DRILL BIT SIZES:
- FOR M6 SCREWS:
*USE 5mm DRILL BIT.
- FOR M5 SCREWS:
*USE 4mm DRILL BIT.
- FOR ANCHOR BOLTS (OPTIONAL/IF APPLICABLE):
*USE 12mm MASONRY DRILL BIT (FOR CONCRETE).

FASTENER APPLICATION SPECIFICATIONS

- *COMPONENT ④ (QTY: 4)
USE M6*38mm HEX HEAD SELF-TAPPING SCREW WITH DRILL POINT
- *COMPONENT ③ (QTY: 4)
USE M6*38mm HEX HEAD SELF-TAPPING SCREW WITH DRILL POINT
- *COMPONENT ③ FLOOR ANCHORS (QTY: 2)
USE M8*80mm EXPANSION BOLT
- *COMPONENT ⑥ (QTY: 6)
USE M4*8mm PAN HEAD MACHINE BOLT
- *COMPONENT (QTY: 8)
USE M5*25mm HEX HEAD SELF-TAPPING SCREW



STEP 1: MARK AND DRILL HINGE LOCATIONS ON DOOR FRAME

- 1-1.LOCATE CENTERLINE & POSITION UPPER HINGE (COMPONENT ④)
*IDENTIFY THE VERTICAL CENTERLINE OF THE DOOR FRAME.
*ALIGN THE UPPER HINGE WITH THE TOP RIGHT-ANGLE CORNER OF THE FRAME.
*MARK 4 HOLE LOCATIONS USING A PENCIL (SEE FIGURE 1-A).
- 1-2.POSITION LOWER HINGE (COMPONENT ③)
*ALIGN THE LOWER HINGE WITH THE BOTTOM RIGHT-ANGLE CORNER OF THE FRAME.
*MARK 4 HOLE LOCATIONS USING A PENCIL (SEE FIGURE 1-A).
- 1-3.DRILL PILOT HOLES
*USE AN APPROPRIATELY SIZED DRILL BIT TO CREATE HOLES AT ALL MARKED POSITIONS.

PRO TIP:
FOR OPTIMAL PLUMB INSTALLATION OF SWINGING DOORS, UTILIZE A LASER LEVEL TO VERIFY VERTICAL ALIGNMENT DURING MARKING AND DRILLING.

STEP 2: INSTALL UPPER AND LOWER HINGES

- 2-1.ATTACH LOWER HINGE (COMPONENT ③)
*SECURE THE LOWER HINGE TO THE BOTTOM RIGHT-ANGLE CORNER OF THE DOOR FRAME USING SCREWS.
*DO NOT FULLY TIGHTEN AT THIS STAGE (SEE FIGURE 2-A).
- 2-2.ASSEMBLE UPPER HINGE (COMPONENT ④)
*INSERT THE UPPER HINGE INTO THE HINGE LINKAGE ROD (COMPONENT ①).
*SLIDE THE NEEDLE ROLLER BEARING (COMPONENT ⑤) ONTO THE LINKAGE ROD.
*DO NOT SECURE THE BEARING TEMPORARILY (SEE FIGURE 2-B).
- 2-3.ALIGN DOOR PANEL CONNECTORS
*INSERT THE DOOR PANEL LOWER CONNECTOR (COMPONENT ②) INTO THE LOWER HINGE (COMPONENT ③).
*ENSURE ALL HINGE ASSEMBLIES ALIGN PRECISELY WITH PRE-DRILLED PILOT HOLES.
- 2-4.FINAL FASTENING
*INSTALL ALL SCREWS INTO ALIGNED HOLES.
*FULLY TIGHTEN ALL FASTENERS USING A HEX WRENCH OR IMPACT DRIVER.

STEP 3: FINAL INSTALLATION

- 3-1.INSTALL SHIM (COMPONENT ⑦)
*PLACE A WOOD SHIM BETWEEN THE LOWER HINGE (COMPONENT ③) AND THE DOOR PANEL (SEE FIGURE 3-A).
- 3-2.BEARING ADJUSTMENT & TESTING
*TIGHTEN THE ADJUSTMENT SCREW ON THE NEEDLE ROLLER BEARING (COMPONENT ⑤).
*REMOVE THE SHIM AND TEST THE SWINGING DOOR FOR SMOOTH OPERATION.
*SECURE THE LOCKING SET SCREW ON THE BEARING ONCE PROPER FUNCTION IS CONFIRMED.
- 3-3.SAFETY SCREW INSTALLATION
*LOCATE THE PRE-MARKED DRILL POINT ON THE NEEDLE ROLLER BEARING (COMPONENT ⑤).
*DRILL A PILOT HOLE USING A 5mm DRILL BIT.
*NSTALL THE SECURITY SCREW INTO THE BEARING (SEE FIGURE 3-B).
- 3-4.RUBBER PROTECTIVE COVER INSTALLATION
*ATTACH THE RUBBER PROTECTIVE COVER (COMPONENT ⑥) USING M4*8mm PAN HEAD MACHINE BOLTS (SEE FIGURE 3-C).
- 3-5.TOP SEAL INSTALLATION
*SECURE THE TOP SEAL (COMPONENT) STRIP ALONG THE FRAME' S TOP CENTERLINE USING M5*25mm HEX HEAD SELF-TAPPING SCREWS (SEE FIGURE 3-D).

