

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.

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 ANCHOR BOLTS (OPTIONAL/IF APPLICABLE):

USE 10mm MASONRY DRILL BIT (FOR CONCRETE).

- FASTENER APPLICATION SPECIFICATIONS:
- * COMPONENT ① (QTY: 2) – CONNECTION:

USE M5X16MM HEX HEAD MACHINE BOLTS AND M5 LOCK NUTS.

* COMPONENT ① (QTY: 6) – FIXING:

USE M6X40MM CROSS COUNTERSUNK SELF-TAPPING SCREWS.

* COMPONENT ② (QTY: 4):

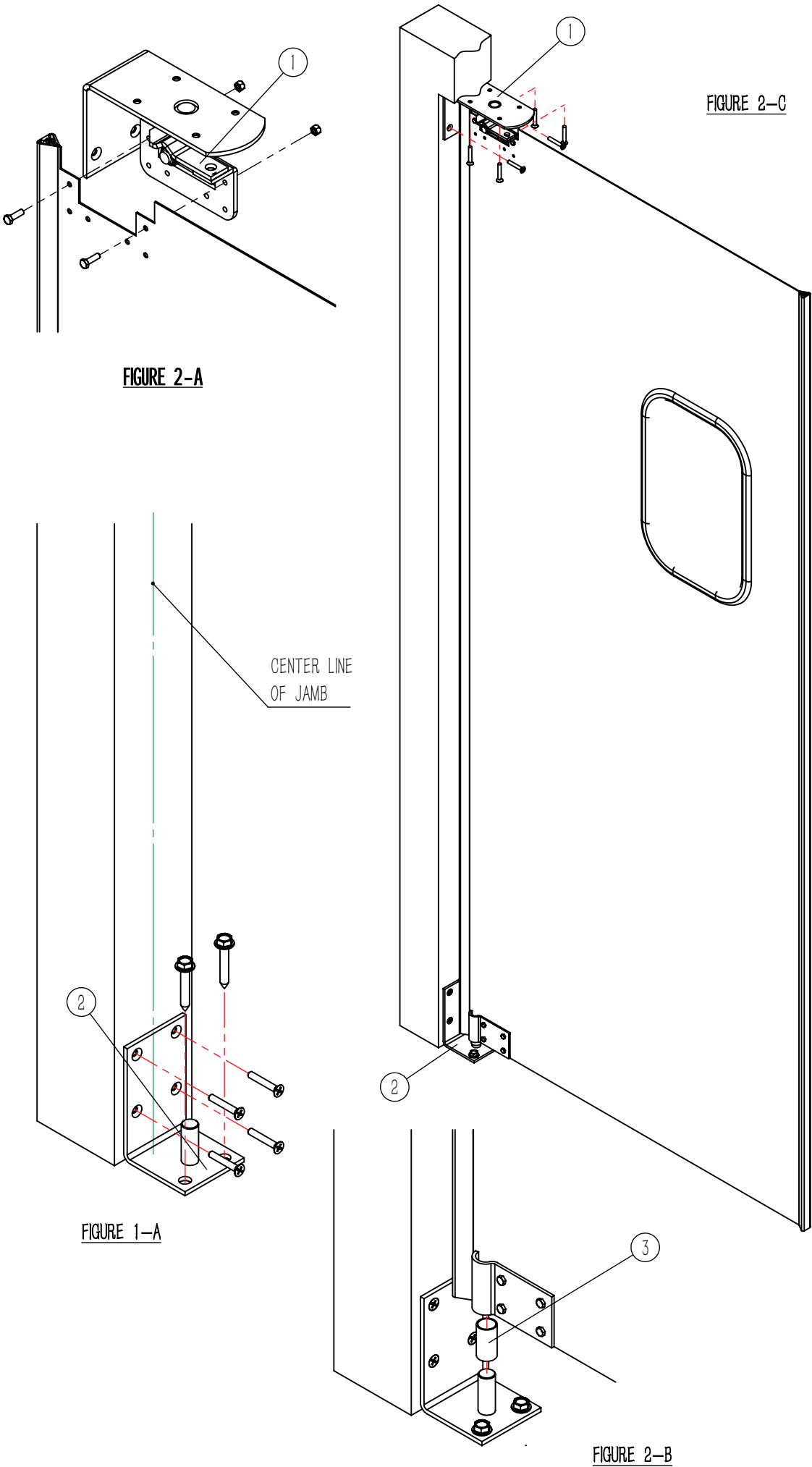
USE M6X40MM CROSS COUNTERSUNK SELF-TAPPING SCREWS.

* COMPONENT ② FLOOR ANCHORS (QTY: 2):

USE M8X80MM EXPANSION BOLTS.

* COMPONENT ⑤ (QTY: 4):

USE M5X20MM HEX HEAD MACHINE BOLTS AND M5 LOCK NUTS.



- STEP 1: INSTALL LOWER HINGE
- 1-1. LOCATE CENTERLINE & POSITION LOWER HINGE (COMPONENT ②)
- * IDENTIFY THE VERTICAL CENTERLINE OF THE DOOR FRAME.

* ALIGN THE LOWER HINGE WITH THE BOTTOM RIGHT-ANGLE CORNER OF THE FRAME.

* MARK 4 HOLE LOCATIONS USING A PENCIL (SEE FIGURE 1-A).
- 1-2. DRILL PILOT HOLES
- * USE AN APPROPRIATELY SIZED DRILL BIT TO CREATE HOLES AT ALL MARKED POSITIONS.
- 1-3. ATTACH LOWER HINGE (COMPONENT ②)
- * SECURE THE LOWER HINGE TO THE BOTTOM RIGHT-ANGLE CORNER OF THE DOOR FRAME USING SCREWS.

* INSTALL ALL SCREWS INTO ALIGNED HOLES. FULLY TIGHTEN ALL FASTENERS USING A HEX WRENCH OR IMPACT DRIVER.
- 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 HINGE
- 2-1. INSTALL UPPER HINGE (COMPONENT ①)
- * PLACE THE UPPER HINGE AT THE TOP CUTOUT OF THE DOOR LEAF, ALIGN THE CONNECTING HOLES, AND SECURE THE UPPER HINGE TO THE DOOR LEAF USING BOLTS AND NUTS (SEE FIGURE 2-A).
- 2-2. POSITION UPPER HINGE
- * MOUNT THE BUSHING (COMPONENT ③) AND DOOR LEAF ONTO THE LOWER HINGE POST (SEE FIGURE 2-B), AND ALIGN THE UPPER HINGE WITH THE TOP RIGHT-ANGLE CORNER OF THE FRAME.

* MARK 6 HOLE LOCATIONS USING A PENCIL. USE AN APPROPRIATELY SIZED DRILL BIT TO CREATE HOLES AT ALL MARKED POSITIONS.

* INSTALL ALL SCREWS INTO THE ALIGNED HOLES AND TIGHTEN THE FASTENING SCREWS (SEE FIGURE 2-C).

- STEP 3: FINAL INSTALLATION
- 3-1. INSTALL HINGE COVER PLATE (COMPONENT ⑤)
- * PLACE THE BACKING PLATE (COMPONENT ④) ON THE DOOR LEAF AT THE UPPER HINGE LOCATION (THE BACKING PLATE AND THE UPPER HINGE SHOULD BE ON OPPOSITE SIDES OF THE DOOR LEAF), ALIGNING THE FOUR BOLT HOLES.

* USE BOLTS AND NUTS TO SECURE THE COVER PLATE ON THE OUTSIDE OF BOTH THE BACKING PLATE AND THE UPPER HINGE (SEE FIGURE 3-A).

