

## 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

CONTACT: [WWW.TDKDOORS.COM](http://WWW.TDKDOORS.COM)

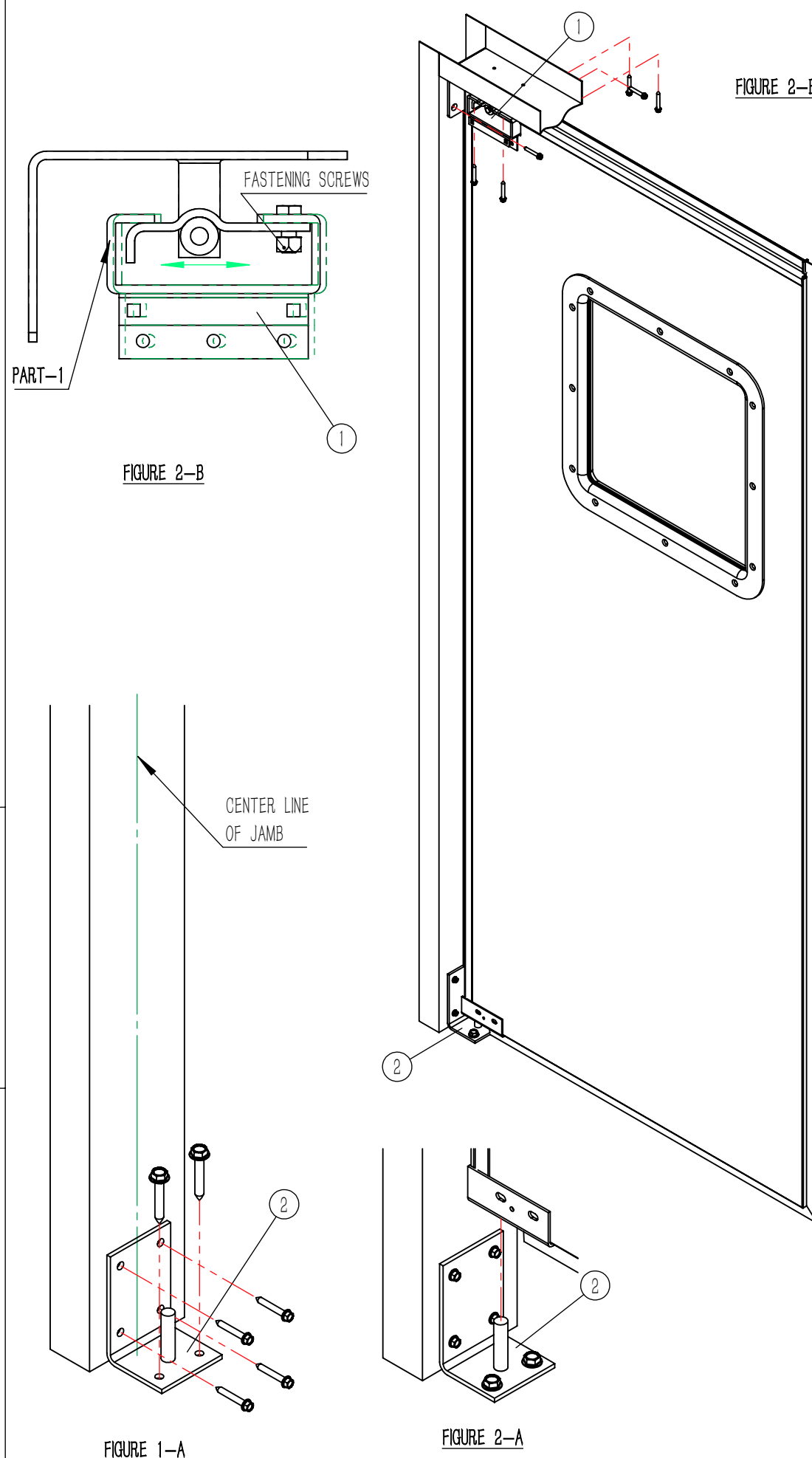
### DRILL BIT SIZES:

- \* FOR M6 SCREWS:  
USE 5mm DRILL BIT.
- \* FOR ANCHOR BOLTS (OPTIONAL/IF APPLICABLE):  
USE 12mm MASONRY DRILL BIT (FOR CONCRETE).

### FASTENER APPLICATION SPECIFICATIONS

- \* COMPONENT ① (QTY: 6)  
USE M6\*38mm HEX HEAD SELF-TAPPING SCREW WITH DRILL POINT
- \* COMPONENT ② (QTY: 4)  
USE M6\*38mm HEX HEAD SELF-TAPPING SCREW WITH DRILL POINT
- \* COMPONENT ② FLOOR ANCHORS (QTY: 2)  
USE M8\*80mm EXPANSION BOLT
- \* COMPONENT ③ (QTY: 2)  
USE M4\*20mm HEX HEAD SELF-TAPPING SCREW

## 24E INSTALLATION MANUAL



### STEP 1: INSTALL LOWER HINGES

#### 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 HINGES

#### 2-1. POSITION UPPER HINGE (COMPONENT ①)

- \* MOUNT THE DOOR LEAF ONTO THE LOWER HINGE POST (SEE FIGURE 2-A) AND ALIGN THE UPPER HINGE WITH THE TOP RIGHT-ANGLE CORNER OF THE FRAME (SEE FIGURE 2-B).
- \* MARK 6 HOLE LOCATIONS USING A PENCIL, USE AN APPROPRIATELY SIZED DRILL BIT TO CREATE HOLES AT ALL MARKED POSITIONS.
- \* INSTALL ALL SCREWS INTO ALIGNED HOLES. FULLY TIGHTEN ALL FASTENERS USING A HEX WRENCH OR IMPACT DRIVER.
- \* IF DRILLING AND BOLTING THE TOP HINGE IS DIFFICULT, YOU CAN POSITION THE DOOR AT A 90-DEGREE OPEN POSITION AND THEN PERFORM THE DRILLING AND INSTALLATION (SEE FIGURE 2-C).

#### 2-2. DEBUGGING

- \* LIGHTLY TEST THE DOOR PANEL BY OPENING AND CLOSING IT. IF THE DOOR PANEL DOES NOT RETURN TO POSITION, ADJUST THE E-HINGE FASTENING SCREWS APPROPRIATELY.
- \* LOOSEN THE 2 FASTENING SCREWS AT THE TOP AND BOTTOM OF THE E-HINGE, BUT DO NOT LOOSEN THEM EXCESSIVELY (SEE FIGURE 2-B).
- \* GENTLY ADJUST THE POSITION OF PART-1 WITH MODERATE FORCE.
- \* ONCE THE DOOR PANEL ALIGNS WITH THE CENTERLINE OF THE DOOR FRAME, SECURELY TIGHTEN THE FASTENING SCREWS.

### STEP 3: FINAL INSTALLATION

#### 3-1. INSTALL THE HINGE COVER (COMPONENT ③)

- \* USE M4\*20mm SCREWS TO FIX THE COVER ON THE OUTSIDE OF THE UPPER HINGE (SEE FIGURE 3-A).

