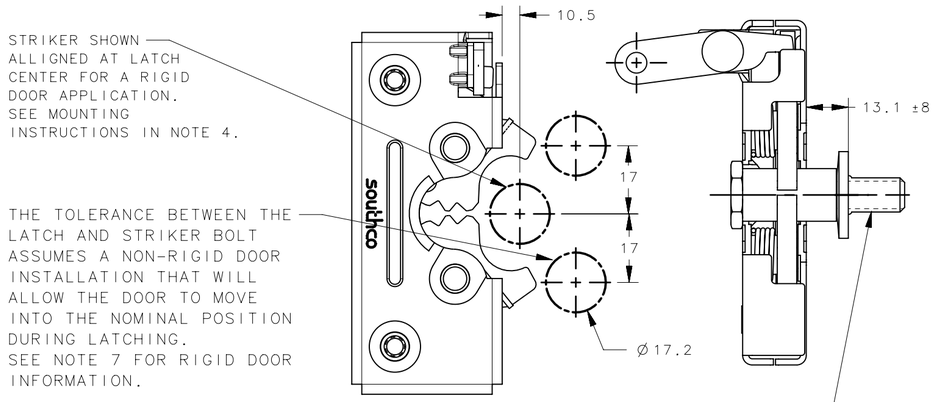
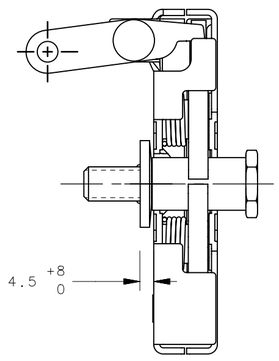
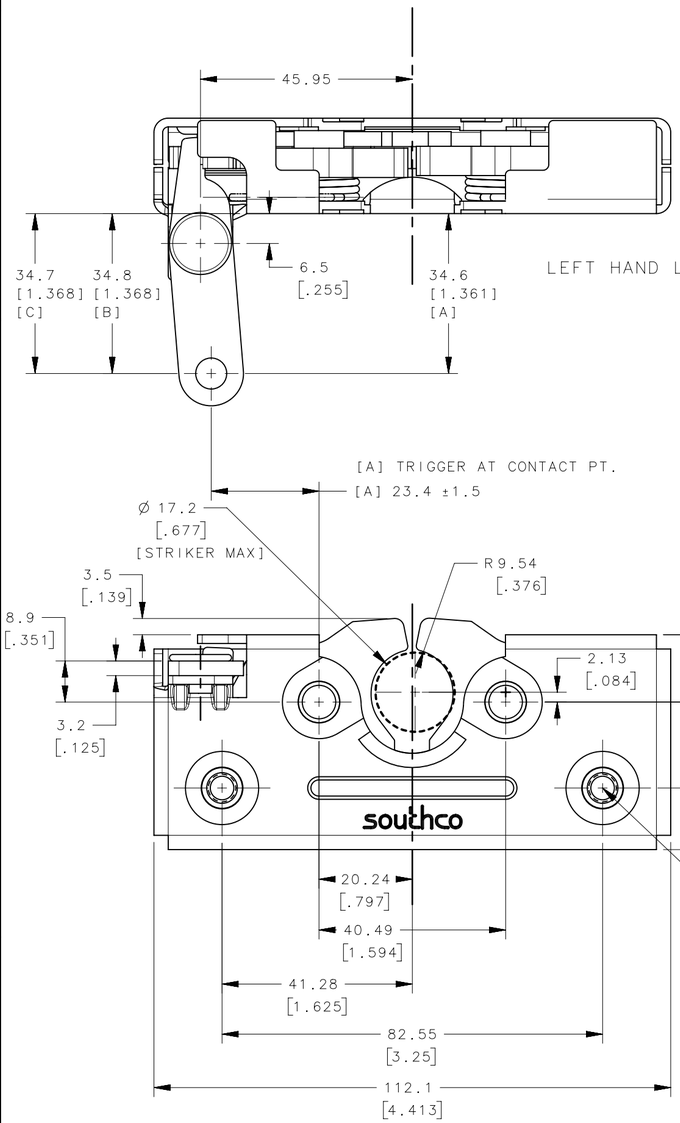
REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
1	01JUL2024	PSP/SAK	PRN: P2024-1142

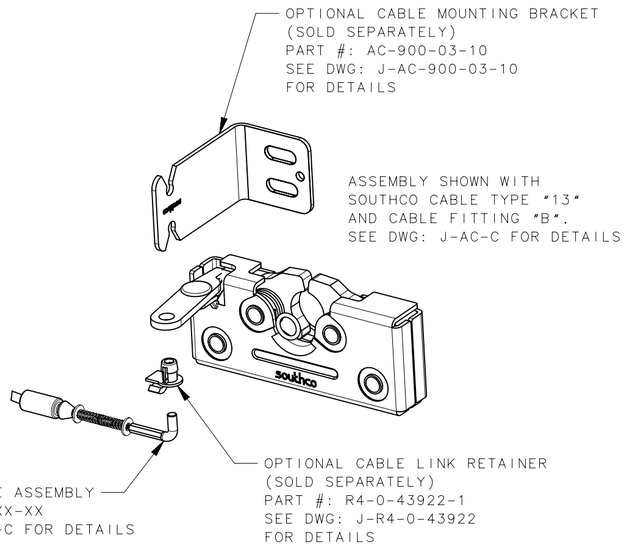


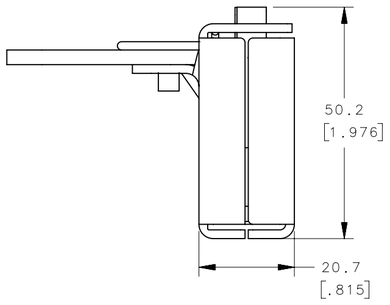


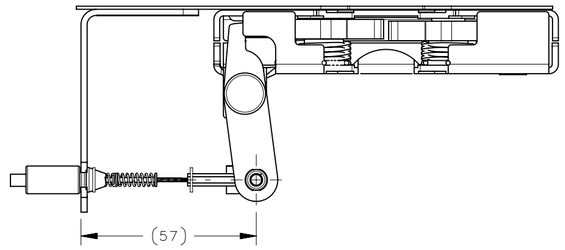
NOTES:

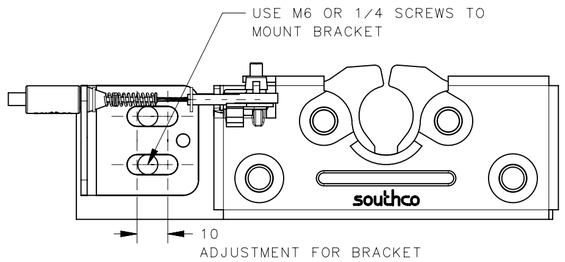
1. ASSEMBLY COMPLIES WITH LATCH REQUIREMENTS OF FMVSS 206 WHEN TESTED IN ACCORDANCE WITH SAE J839.
2. MATERIALS:
   PINS, LEVER, RIVET: STEEL, ZINC PLATE BRIGHT CHROMATE
   PAWLS, AND TRIGGER: HEAT TREATED CARBON STEEL, LUBRICATED WITH OVEN CURED DRY LUBRICANT.
   SPRINGS: STAINLESS STEEL, PASSIVATED (BLACK OXIDE)
   FRAME HSG. FRONT AND BACK: HIGH STRENGTH STEEL, ZINC PLATED BRIGHT CHROMATE
3. MAXIMUM RECCOMENDED MOUNTING TOURQE NOT TO EXCEED 13.3 N-m (120in-lbs) INSTALLATION WITH FLANGE HEAD FASTENERS OF SUFFICIENT GRADE AT ALL FOUR (4) MOUNTING HOLE LOCATIONS. FLANGE SHOULD BE Ø13mm MIN.
4. INSTALATION INSTRUCTIONS:
   -INSTALL SOUTHCO STRIKER BOLT ASSEMBLY IN DOOR FRAME
   -CLOSE DOOR CHECKING FOR INTERFERENCE OR MISALIGNMENT
   -ADJUST STRIKER AS NECESSARY SHIM IF REQUIRED TO ACHIEVE PROPER POSITIONING OF STRIKER HEAD.
   -ADJUST STRIKER SO IT ENGAGES IN THE CENTER OF THE LATCH
   -VERIFY THAT BOTH STAGES OF LATCH ARE FUNCTIONAL
   -CHECK DOOR ALIGNMENT AND SEAL PRESSURES.
5. PAWL OPENING ALLOWS FOR SELF-ALIGNMENT OF FLEXIBLE DOOR SYSTEMS ONLY, CONTACT SOUTHCO SALES OR ENGINEERING FOR APPLICATION ASSISTANCE.
6. RECOMMENDED STRIKER HARDNESS 35-40 Rc
7. WHEN INSTALLED INTO A RIGID DOOR SYSTEM AND USING A SOUTHCO STANDARD STRIKER, STRIKER HAS A POSITIONAL TOLERANCE OF ±0.15 FROM CENTERLINE OF THE LATCH.

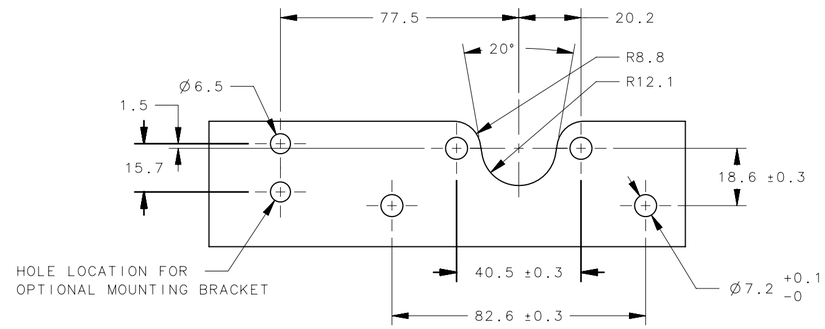












PANEL PREPARATION

PART NUMBER

R4-50-SI-101-10

STAGE AND ACTUATION:

1 - SINGLE STAGE RH LATCH
2 - SINGLE STAGE LH LATCH
3 - TWO STAGE RH LATCH
4 - TWO STAGE LH LATCH

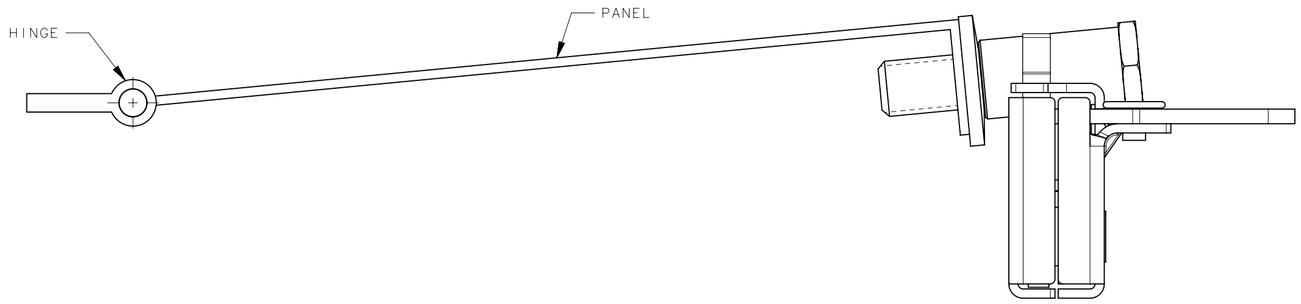
MOUNTING STYLE:

0 - 7.2MM THRU HOLE
1 - 1/4-20 THREADED
2 - M6 THREADED

SURFACE AREA	THIRD ANGLE PROJECTION	southco® CONNECT·CREATE·INNOVATE
VOLUME	MILLIMETERS [IN]	DESCRIPTION: RH & LH ROTARY LATCH
PROPRIETARY ITEM: EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.	PER ASME Y14.5M-2009	SIZE: C; SYSTEM: NX; DWG NO.: J-R4-50; DRAWN BY: CMK; DATE: 21NOV07; SCALE: 2/3; SHEET: 1 OF 2

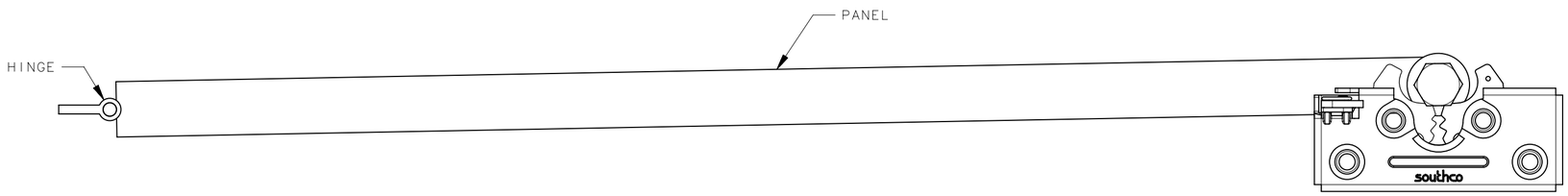
REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
1	01JUL2024	PSP/SAK	PRN: P2024-1142

CASE A: STRIKER AXIS PERPENDICULAR TO PANEL HINGE AXIS



SCALE 1:1

CASE B: STRIKER AXIS PARALLEL TO PANEL HINGE AXIS



SCALE 1:2

NOTES:
8. R4-50 SERIES ROTARY LATCHES ARE NOT INTENDED TO BE USED AS DOOR/PANEL LOCATING FEATURES.
9. PLEASE CONSULT SOUTHCO TECHNICAL SUPPORT TO DISCUSS DESIGN CONSIDERATIONS FOR INCORPORATION INTO HIGH VIBRATION APPLICATIONS.
10. SYSTEMS THAT ARE REPRESENTED BY CASE "B" BELOW ARE NOT RECOMMENDED FOR PANELS LESS THAN 600mm FROM HINGE AXIS TO STRIKER AXIS. SHORT PANEL LENGTHS OR A LARGE OFFSET BETWEEN THE STRIKER AXIS AND PANEL FACE MAY REQUIRE ADJUSTMENT TO LATCH PANEL PREP FOR PROPER FUNCTION.
11. PAWL SPRING LOADS ARE INTENDED TO ENSURE PAWLS ARE ABLE TO FULLY OPEN ACROSS CYCLE LIFE. PAWL SPRING LOADS ARE NOT INTENDED TO BE USED FOR PANEL KICK OUT.
12. WHEN LATCHED, ACTUATION LEVER SHOULD HAVE FREEPLAY SUCH THAT IT IS NOT PROVIDING A LOAD ONTO THE TRIGGER. FAILURE TO MAINTAIN LEVER FREEPLAY COULD RESULT IN LOWER ULTIMATE LATCHING LOADS.

CPB NUMBER 2014-0869	THIRD ANGLE PROJECTION	southco® CONNECT·CREATE·INNOVATE
	MILLIMETERS [IN]	
SURFACE AREA	TOLERANCES UNLESS OTHERWISE NOTED	DESCRIPTION: RH & LH ROTARY LATCH
VOLUME	ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.	SIZE C · SYSTEM NX · DWG NO. J-R4-50
PROPRIETARY ITEM	PER ASME Y14.5M-2009	DRAWN BY CMK · DATE 21NOV2007 · SCALE 1:1 · SHEET 2 OF 2