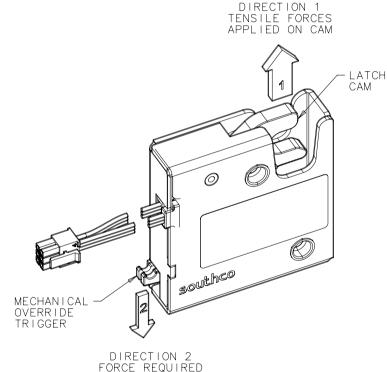
| PROPRIETARY ITEM - EXCEPT FOR USES EXPRESSLY  |                    | R4-               | R4-FM TIME DELAYED RELOCK |  |  |           | DRAWN | CHKD | SCALE | DRAWING NUM | BER  |                        |       |
|---|--------------------|-------------------|---------------------------|--|--|-----------|-------|------|-------|-------------|------|------------------------|-------|
| Southco PROPRIETARY ITEM - EXCEPT FOR USES EXPRESSLY GRANTED IN WEITING INFORMATION DISCLOSED IN CONFIDENTIAL AND ALL RIGHTS PATENT AND OTHERWISE ARE RESERVED BY SOUTHCO, INC. |                    |                   |                           |  |  | 18JAN2010 | MJS   | CLB  | .5:1  | TD-R4-EM-   | -2-J |                        |       |
|   | REV DATE DRAWN/CH  |                   |                           |  |  |           |       | •    |       |             |      | <b>\$</b> 1            | Δ4    |
|   | A 18JAN2010 MJS/CL | B INITIAL RELEASE |                           |  |  |           |       |      |       |             |      | THIRD ANGLE PROJECTION | PAPER |

SOUTHCO PERFORMANCE GUIDELINES

THE PERFORMANCE GUIDELINES SHOWN ON THIS PAGE ARE SUPPLIED AS A GENERAL GUIDE ONLY, AS CONDITIONS VARY WITH EACH APPLICATION AND METHOD OF INSTALLATION. STRENGTH DATA GIVEN IS FOR FAILURE OF THE PRODUCT OR FOR SUFFICIENT DEFORMATION TO MAKE THE PRODUCT INOPERABLE. NO SAFETY FACTOR HAS BEEN APPLIED. IT IS RECOMMENDED THAT THE USER REQUEST A PRODUCT SAMPLE FOR TESTING TO DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE PURPOSE INTENDED AND USER'S PARTICULAR APPLICATION.



| TENSILE FORCE ON CAM | CYCLE LIFE |  |  |  |
|----------------------|------------|--|--|--|
| NO LOAD              | 100,000    |  |  |  |

Performance values for R4-EM-2X-XXX See J-R4-EM-21-161 for latch dimensions.

- 1. Testing performed using part number R4-EM-21-161.
- 2. TENSILE FORCES (Direction 1) are applied at the nominal lateral position (zero misalignment).
- 3. AVERAGE ULTIMATE TENSILE LOAD (Direction 1) on the cam before latch can fracture: 6770 N (1522 lbf).
- 4. AVERAGE ULTIMATE TENSILE LOAD (Direction 1) when used with Southco Striker Bolt R4-90-121-10: 4890 N (1100 lb.).
- 5. TENSILE FORCE (Direction 2) required on the mechanical override trigger to operate (open) the latch manually with a 100 N (22 lbf) tensile force on the cam: 4 N (0.9 lbf).

REF: TR R4-93 and TR R4-4867

TO OPERATE LATCH MANUALLY