



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908**

**NOTICE OF ACCEPTANCE (NOA)**

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**Ingersoll-Rand  
2720 Tobey Drive  
Indianapolis, IN 46219**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: IR Series "Schlage / Falcon / Locknetics" Hardware devices-Component approval**

**APPROVAL DOCUMENT:** Drawing No. "HTA-7", titled "Hurricane /Tornado Specification, sheets 1 through 6 of 6, dated 01-10-02 and last revised on 01-22-03, prepared by the manufacturer, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA, consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



**NOA No 02-0712.05  
Expiration Date: February 20, 2008  
Approval Date: February 20, 2003  
Page 1**

**Ingersoll-Rand**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

(For File ONLY. Not part of NOA)

**A. DRAWINGS**

1. Manufacturer's parts and sections drawings.
2. Drawing No. "HTA-7", titled "Hurricane /Tornado Specification, sheets 1 through 6 of 6, dated 01-10-02 and last revised on 01-22-03, prepared by the manufacturer.

**B. TESTS**

1. Test Report No. **CTLA-776W & CTLA-776W1**, prepared by Certified Testing Laboratory, Architectural Division, dated February 20, 2002 and April 25, 2002 respectively and revised by addendum letter December 17, 2002, signed and sealed by Ramesh Patel, P.E., for the following tests:
  - 1) Air Infiltration Test, per PA 202-94
  - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
  - 3) No Water Resistance Test performed.
  - 4) Large Missile Impact Test per SFBC, PA 201-94
  - 5) Cyclic Wind Pressure Loading per SFBC, PA 203-94 (9,002 cycles)
  - 6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94along with manufacturer's parts and section drawings marked by Certified Testing Laboratory.

**C. CALCULATIONS: (For reference only from door approval file)**

1. Anchor calculations prepared by Product & Technology Corporation., dated 06-19-02, signed and sealed by Manuel Martinez, P.E.

**D. MATERIAL CERTIFICATIONS**

1. None

**E. STATEMENTS**

- 1 Letter of conformance dated June 28, 2002, signed and sealed by Manuel Martinez, P.E.
- 2 Letter of "No financial interest" dated July 08, 2002, issued by Ingersoll-Rand, signed by Roger Vitt, certification engineer.
- 2 Laboratory Statement of compliance, part of the test report CTLA776W & 776-W1, signed and sealed by Ramesh C.Patel, P.E.

**F. OTHER**

1. Test proposal **01-0131**, dated August 03, 2001 approved by BCCO.

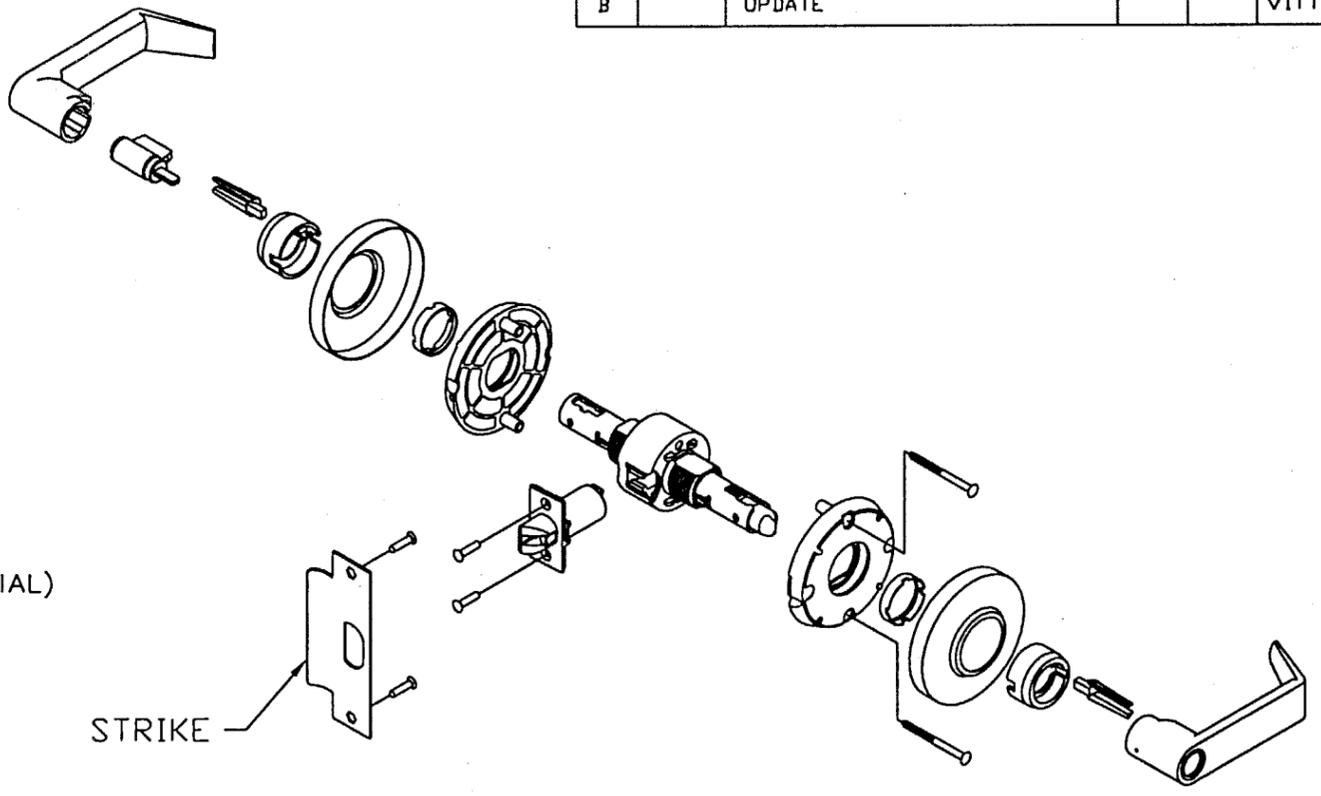
*Ishaq I. Chanda*  
\_\_\_\_\_  
Ishaq I Chanda, P.E.  
Product Control Examiner  
NOA No 02-0712.05  
Expiration Date: February 20, 2003  
Approval Date: February 2008

REVISIONS						
LTR	ECN	DESCRIPTION	ECN APPROVALS			DATE
			MFG.	QUAL.	ENGR.	
A		NEW ITEM			WAE	01-10-02
B		UPDATE			VITT	01-22-03

DESIGN PRESSURE	
+	75 PSF
-	75 PSF

**LOCKSET SPECIFICATION:**

D-SERIES = ANSI A156.2 - 1996 GRADE 1  
 UL LISTED FOR 3 HOUR DOORS (FIRE RATING TO BE REVIEWED BY BUILDING OFFICIAL)  
 EXPOSED TRIM: WROUGHT BRASS, BRONZE OR STAINLESS  
 STEEL. LEVERS ARE PRESSURE CAST ZINC, PLATED TO MATCH  
 BHMA FINISHES.  
 KEYING: 6 PIN BRASS CYLINDERS WITH NICKEL SILVER KEYS.  
 BACKSET: 2 3/4"  
 LATCHES: 1 1/8" X 2 1/4" FACEPLATE, BRASS BOLT, 3/4" THROW.  
 STRIKE: ANSI 1 1/4" X 4 7/8" X 1 3/16" LIP STANDARD - BRASS.



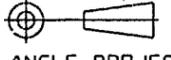
SCHLAGE D SERIES  
CYLINDRICAL LEVER LOCKSET

**LIMITATION:**

1. LOCK SET TO BE USED WITH MIAMI-DADE COUNTY APPROVED SINGLE OUTSWING STEEL (16 GA OR BETTER) DOORS.
2. MIN. #12-24 COMBINATION WS/MS (120KSI YIELD MIN.) REQUIRED FOR LOCK SET STRIKE PLATE INSTALLATION.
3. THIS DEVICE IS APPROVED TO BE EQUAL ALTERNATIVE TO BE USED IN SINGLE OR DOUBLE 16GA STEEL COMMERCIAL DOORS, HOLDING CURRENT NOA. THE LOWEST DESIGN PRESSURE RATING SHALL APPLY.
4. THE DEVICE SHALL BE INSTALLED IN COMMERCIAL STEEL DOOR NO WIDER THAN 48" AND HIGHER THAN 96".
5. INSTALLATION OF THIS DEVICE REQUIRES STEEL REINFORCEMENT STEEL CHANNEL REINFORCEMENT .099" X 3.5" X FULL PANEL LENGTH 2.5" AT LOCK SIDE (STILE).
6. APPLICATION OF LOCK SET FOR DOUBLE DOORS, REQUIRE BOLTS ON INACTIVE PANEL.
7. ELECTRICAL INSTALLTION IS UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
8. THIS LOCKSET CAN BE INSTALLED AS A PART OF IMPACT RESISTANT UNIT.

Approved as complying with the  
 Florida Building Code  
 Date FEBRUARY 20, 2003  
 NOA# 02-0712-02  
 Miami Dade Pre-Sub Control  
 Division  
 By: Isaac J. Landa

**WARNING:**  
 EXPORT OF THIS DOCUMENT TO COUNTRIES  
 OUTSIDE OF THE U.S. IS SUBJECT TO U.S.  
 EXPORT ADMINISTRATION REGULATIONS.

M A T L  UNLESS OTHERWISE SPECIFIED, THE FOLLOWING TOLERANCES APPLY: DECIMALS    MM    INCH NONE ±        0.3    N/A 1 PLACE ±     0.1    N/A 2 PLACE ±     N/A    0.01 3 PLACE ±     N/A    0.005 ANGLES ±                    1.0°	F I N  DRAWN J TOWLES    DATE 01-10-02 CHECKED J SHANKLIN    DATE 01-10-02 MFG. APP. QUAL. APP. ENGR. APP. PRINT DATE	THIRD ANGLE PROJECTION  R .010 ALLOWABLE AT CORNERS AND INSIDE OF BENDS. BREAK SHARP EDGES. ◆ THIS SYMBOL IS USED TO DESIGNATE A CRITICAL DESIGN DIMENSION.	
			ALL FRACTIONS ± 1/32

**INGERSOLL-RAND ARCHITECTURAL HARDWARE**    **SCHLAGE**

TITLE    HURRICANE/TORNADO SPECIFICATION

SIZE    B    CODE IDENT NO    DWG NO    HTA-7    REV    B

SCALE: ---    RNHTA-7-SHI-B    SHEET 1 OF 6

REVISIONS						
LTR	ECN	DESCRIPTION	ECN APPROVALS			DATE
			MFG.	QUAL.	ENGR.	
A		NEW ITEM			WAE	01-10-02
B		UPDATE			VITT	01-23-03

DESIGN PRESSURE LOCK SET W/ DEAD BOLT:	
+	75 PSF
-	75 PSF

**MORTISE LOCK SPECIFICATION:**

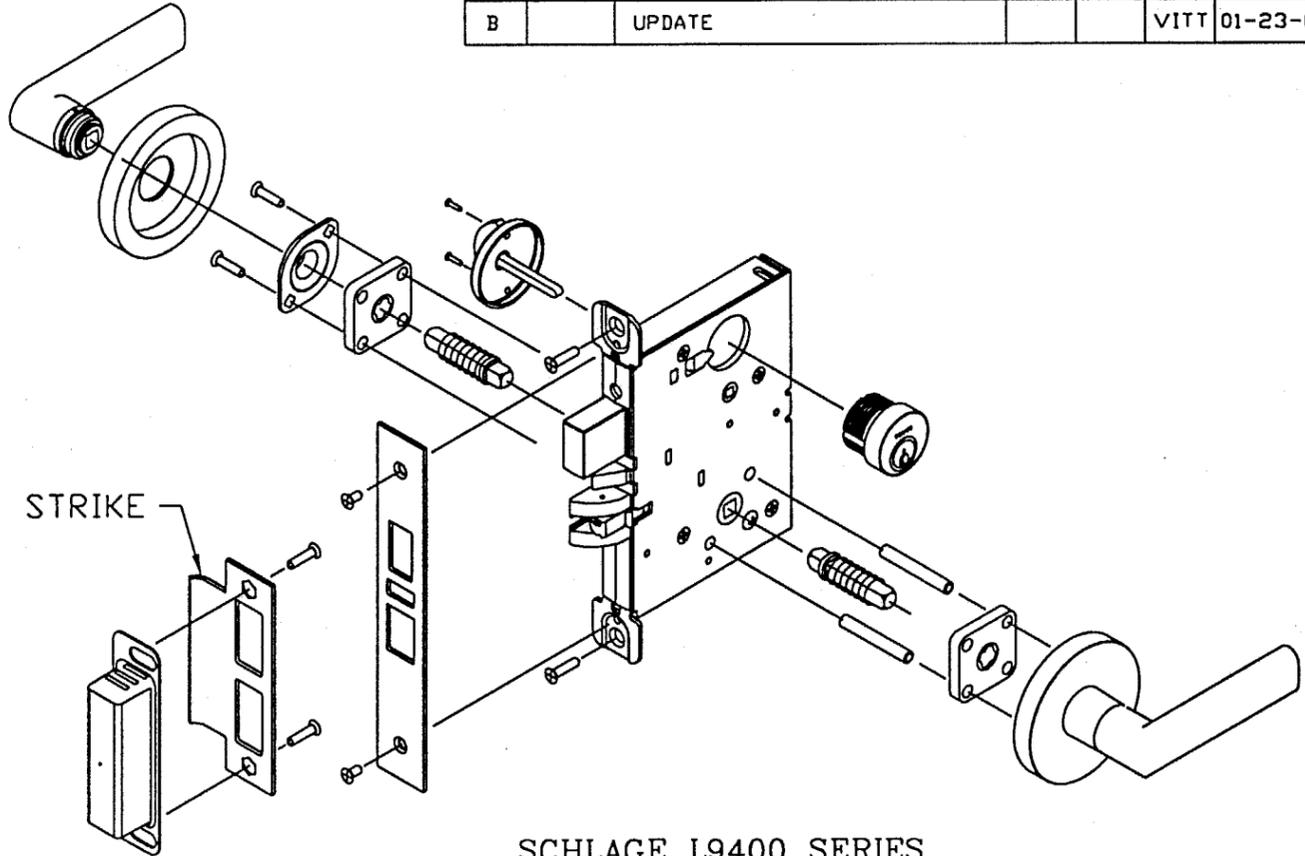
L-SERIES = ANSI A156.13 - 1994  
 GRADE 1 OPERATIONAL  
 GRADE 1 SECURITY  
 UL LISTED FOR 3 HOUR DOORS (FIRE RATING TO BE REVIEWED BY BUILDING OFFICIAL)  
 EXPOSED TRIM: FORGED BRASS, CAST BRONZE AND STAINLESS  
 STEEL LEVERS. WROUGHT BRASS, BRONZE AND STAINLESS  
 STEEL ROSES. WROUGHT AND COLD FORGED ESCUTCHEONS.  
 KEYING: 6 PIN BRASS CYLINDERS WITH NICKEL SILVER KEYS.  
 BACKSET: 2 3/4"  
 LATCHES: 3/4" THROW - STAINLESS STEEL  
 DEAD BOLT: 1" THROW - STAINLESS STEEL  
 STRIKE: ANSI 1 1/4" X 4 7/8" X 1 3/16" LIP STANDARD - BRASS

**LATCHBOLT/DEADBOLT DIMENSIONS:**

LATCHBOLT: 3/4" THROW, .700" X 1.020"  
 DEADBOLT: 1" THROW, .565" X 1.100"

**LIMITATION:**

1. LOCK SET W/ DEAD BOLT TO BE USED WITH MIAMI-DADE COUNTY APPROVED SINGLE OUTSWING STEEL (16 GA OR BETTER) DOORS.
2. MIN. #12-24 COMBINATION WS/MS (120KSI YIELD MIN) REQUIRED FOR LOCK SET STRIKE PLATE INSTALLATION.
3. THIS DEVICE IS APPROVED TO BE EQUAL ALTERNATIVE TO BE USED IN SINGLE OR DOUBLE 16GA STEEL COMMERCIAL DOORS, HOLDING CURRENT NOA. THE LOWEST DESIGN PRESSURE RATING SHALL APPLY.
4. THE DEVICE SHALL BE INSTALLED IN COMMERCIAL STEEL DOOR NO WIDER THAN 48" AND HIGHER THAN 96".
5. INSTALLATION OF THIS DEVICE REQUIRES STEEL REINFORCEMENT STEEL CHANNEL REINFORCEMENT .099" X 3.5" X FULL PANEL LENGTH 2.5" AT LOCK SIDE (STILE).
6. APPLICATION OF LOCK SET FOR DOUBLE DOORS, REQUIRE BOLTS ON INACTIVE PANEL.
7. ELECTRICAL INSTALLTION IS UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
8. THIS LOCKSET CAN BE INSTALLED AS A PART OF IMPACT RESISTANT UNIT.



SCHLAGE L9400 SERIES  
KEYED MORTISE LOCKSET W/ DEADBOLT

Approved as complying with the  
 Florida Building Code  
 Date FEB 20, 2003  
 NOA# 02-0712-05  
 Miami Dade Product Control  
 Division  
 By Isaac J. Chavala

**WARNING:**  
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M A T L  UNLESS OTHERWISE SPECIFIED, THE FOLLOWING TOLERANCES APPLY: <table border="1"> <thead> <tr> <th>DECIMALS</th> <th>MM</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>NONE ±</td> <td>0.3</td> <td>N/A</td> </tr> <tr> <td>1 PLACE ±</td> <td>0.1</td> <td>N/A</td> </tr> <tr> <td>2 PLACE ±</td> <td>N/A</td> <td>0.01</td> </tr> <tr> <td>3 PLACE ±</td> <td>N/A</td> <td>0.005</td> </tr> <tr> <td colspan="2">ANGLES ±</td> <td>1.0°</td> </tr> </tbody> </table>	DECIMALS	MM	INCH	NONE ±	0.3	N/A	1 PLACE ±	0.1	N/A	2 PLACE ±	N/A	0.01	3 PLACE ±	N/A	0.005	ANGLES ±		1.0°	F I N  DRAWN J TOWLES DATE 01-10-02  CHECKED J SHANKLIN DATE 01-10-02  MFG. APP.  DUAL. APP.  ENGR. APP.  PRINT DATE	THIRD ANGLE PROJECTION  R .010 ALLOWABLE AT CORNERS AND INSIDE OF BENDS. BREAK SHARP EDGES. ♦ THIS SYMBOL IS USED TO DESIGNATE A CRITICAL DESIGN DIMENSION.
	DECIMALS	MM	INCH																	
	NONE ±	0.3	N/A																	
	1 PLACE ±	0.1	N/A																	
	2 PLACE ±	N/A	0.01																	
3 PLACE ±	N/A	0.005																		
ANGLES ±		1.0°																		
ALL FRACTIONS ± 1/32																				
TITLE HURRICANE/TORNADO SPECIFICATION																				
SIZE B CODE IDENT NO DWG NO HTA-7 REV B																				
SCALE: --- RNHTA-7-SH2-B SHEET 2 OF 6																				

**INGERSOLL-RAND ARCHITECTURAL HARDWARE** **SCHLAGE**

TITLE HURRICANE/TORNADO SPECIFICATION

SIZE B CODE IDENT NO DWG NO HTA-7 REV B

SCALE: --- RNHTA-7-SH2-B SHEET 2 OF 6

REVISIONS						
LTR	ECN	DESCRIPTION	ECN APPROVALS			DATE
			MFG.	QUAL.	ENGR.	
A		NEW ITEM			WAE	03-08-02
B		UPDATE			VITT	01-23-03

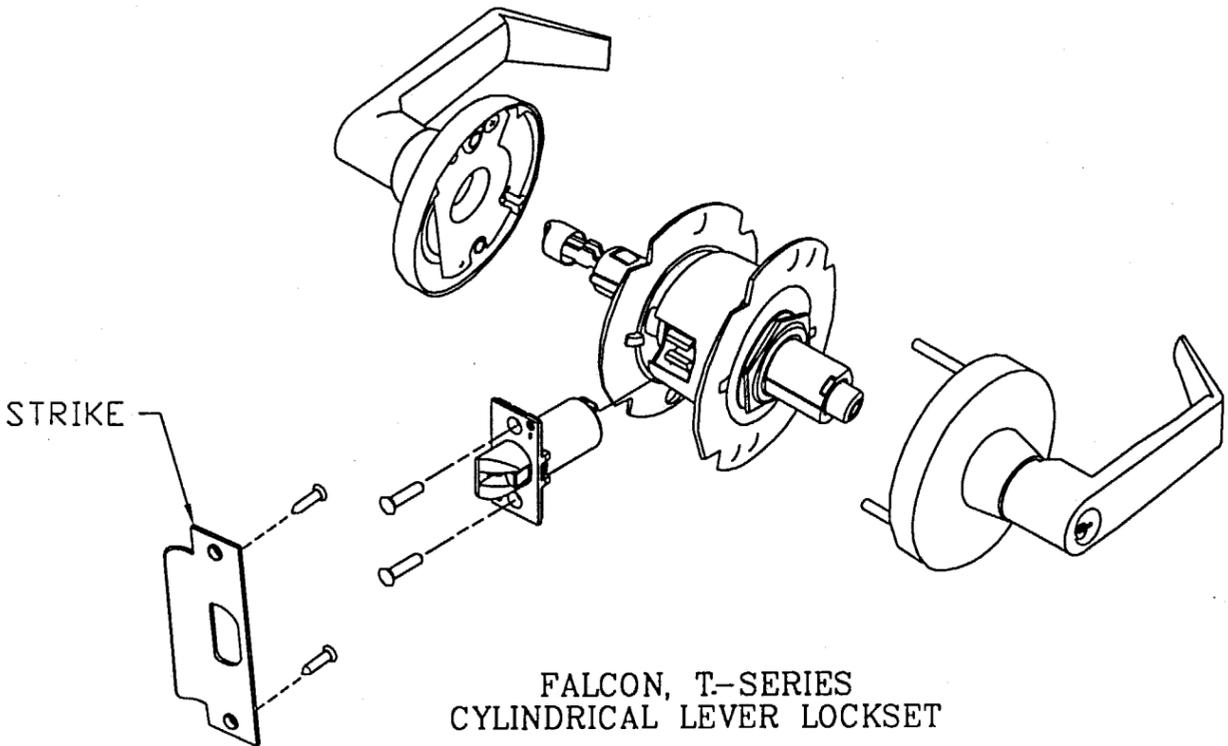
DESIGN PRESSURE LOCK SET:	
+	75 PSF
-	75 PSF

**LOCK SPECIFICATION:**

FALCON, T-SERIES = ANSI A156.2-1996 GRADE 1  
 UL LISTED FOR 3 HOUR DOORS (FIRE RATING TO BE REVIEWED BY BUILDING OFFICIAL)  
 EXPOSED TRIM: WROUGHT BRASS, BRONZE OR STAINLESS  
 STEEL LEVERS ARE PRESSURE CAST ZINC, PLATED TO MATCH BHMA FINISHES.  
 KEYING: 6 PIN BRASS CYLINDERS WITH NICKEL SILVER KEYS.  
 BACKSET: 2 3/4"  
 LATCHES: 1 1/8" X 2 1/4" FACEPLATE, 3/4" THROW - BRASS BOLT  
 STRIKE: ANSI 1 1/4" X 4 7/8" X 1 3/16" LIP STANDARD - BRASS

**LIMITATION:**

1. LOCK SET TO BE USED WITH MIAMI-DADE COUNTY APPROVED SINGLE OUTSWING STEEL (16 GA OR BETTER) DOORS.
2. MIN. #12-24 COMBINATION WS/MS (120KSI YIELD MIN.) REQUIRED FOR LOCK SET STRIKE PLATE INSTALLATION.
3. THIS DEVICE IS APPROVED TO BE EQUAL ALTERNATIVE TO BE USED IN SINGLE OR DOUBLE 16GA STEEL COMMERCIAL DOORS, HOLDING CURRENT NOA. THE LOWEST DESIGN PRESSURE RATING SHALL APPLY.
4. THE DEVICE SHALL BE INSTALLED IN COMMERCIAL STEEL DOOR NO WIDER THAN 48" AND HIGHER THAN 96".
5. INSTALLATION OF THIS DEVICE REQUIRES STEEL REINFORCEMENT STEEL CHANNEL REINFORCEMENT .099" X 3.5" X FULL PANEL LENGTH 2.5" AT LOCK SIDE (STILE).
6. APPLICATION OF LOCK SET FOR DOUBLE DOORS, REQUIRE BOLTS ON INACTIVE PANEL.
7. ELECTRICAL INSTALLTION IS UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
8. THIS LOCKSET CAN BE INSTALLED AS A PART OF IMPACT RESISTANT UNIT.



Approved as complying with the Florida Building Code  
 Date FEB 20, 2003  
 NOA 02-0712-05  
 Miami Dade Product Control Division  
 By Ishag J. Chaudhry

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MATERIAL				FINISH	
UNLESS OTHERWISE SPECIFIED, THE FOLLOWING TOLERANCES APPLY:				THIRD ANGLE PROJECTION	
DECIMALS	MM	INCH	ALL FRACTIONS ± 1/32	DRAWN	DATE
NONE ±	0.3	N/A		J TOWLES	03-08-02
1 PLACE ±	0.1	N/A		CHECKED	
2 PLACE ±	N/A	0.01		J SHANKLIN	03-08-02
3 PLACE ±	N/A	0.005	MFG. APP.		
ANGLES ±	1.0°			QUAL. APP.	
				ENGR. APP.	
				PRINT DATE	

**INGERSOLL-RAND ARCHITECTURAL HARDWARE** **FALCON®**

TITLE: HURRICANE/TORNADO SPECIFICATION

SIZE: B CODE IDENT NO: DWG NO: HTA-7 REV: B

SCALE: --- RNHTA-7-SH3-B SHEET 3 OF 6

REVISIONS						
LTR	ECN	DESCRIPTION	ECN APPROVALS			DATE
			MFG.	QUAL.	ENGR.	
A		NEW ITEM			WAE	03-08-02
B		UPDATE			VITT	01-23-03

DESIGN PRESSURE MORTISE LOCKSET W/DEADBOLTS	
+	75 PSF
-	75 PSF

**LOCK SPECIFICATION:**

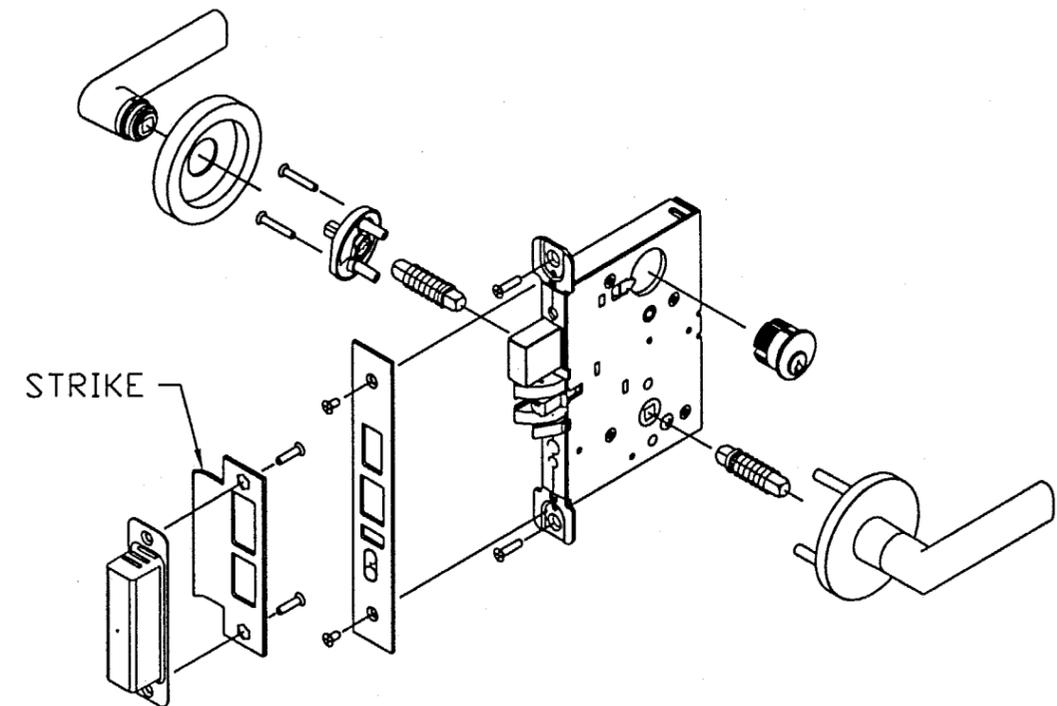
FALCON, M-SERIES = ANSI A156.13-1994 (LM=LEVER, MM=KNOB)  
 GRADE 1 OPERATIONAL  
 GRADE 2 SECURITY WITH SECTIONAL TRIM AND ESCUTCHEONS WITH EXPOSED CYLINDERS.  
 GRADE 1 SECURITY WITH ECUTCHEONS AND CONCEALED CYLINDERS.  
 UL LISTED FOR 3 HOUR DOORS (FIRE RATING TO BE REVIEWED BY BUILDING OFFICIAL)  
 EXPOSED TRIM: FORGED OR CAST BRASS, CAST BRONZE AND STAINLESS STEEL AND WROUGHT BRASS, BRONZE AND STAINLESS STEEL.  
 KEYING: 6 PIN BRASS CYLINDERS WITH NICKEL SILVER KEYS.  
 BACKSET: 2 3/4"  
 LATCHES: 3/4" THROW - BRASS  
 DEAD BOLT: 1" THROW - BRASS  
 STRIKE: ANSI 1 1/4" X 4 7/8" X 1 1/4" LIP STANDARD - BRASS

**LATCHBOLT/DEADBOLT DIMENSIONS:**

LATCHBOLT: 3/4" THROW, .640" X 1.000"  
 DEADBOLT: 1" THROW, .598" X 1.230"

**LIMITATION:**

1. LOCK SET W/ DEAD BOLT TO BE USED WITH MIAMI-DADE COUNTY APPROVED SINGLE OUTSWING STEEL (16 GA OR BETTER) DOORS.
2. MIN. #12-24 COMBINATION WS/MS (120KSI YIELD MIN.) REQUIRED FOR LOCK SET STRIKE PLATE INSTALLATION.
3. THIS DEVICE IS APPROVED TO BE EQUAL ALTERNATIVE TO BE USED IN SINGLE OR DOUBLE 16GA STEEL COMMERCIAL DOORS, HOLDING CURRENT NOA. THE LOWEST DESIGN PRESSURE RATING SHALL APPLY.
4. THE DEVICE SHALL BE INSTALLED IN COMMERCIAL STEEL DOOR NO WIDER THAN 48" AND HIGHER THAN 96".
5. INSTALLATION OF THIS DEVICE REQUIRES STEEL REINFORCEMENT STEEL CHANNEL REINFORCEMENT .099" X 3.5" X FULL PANEL LENGTH 2.5" AT LOCK SIDE (STILE).
6. APPLICATION OF LOCK SET FOR DOUBLE DOORS, REQUIRE BOLTS ON INACTIVE PANEL.
7. ELECTRICAL INSTALLTION IS UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
8. THIS LOCKSET CAN BE INSTALLED AS A PART OF IMPACT RESISTANT UNIT.



FALCON M-SERIES  
MORTISE LOCKSET W/ DEAD BOLT

Approved as complying with the  
 Florida Building Code  
 Date FEB 20 2003  
 NOA# 02-0712-05  
 Miami Dade Product Control  
 Division  
 By [Signature]

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MATERIAL			
UNLESS OTHERWISE SPECIFIED, THE FOLLOWING TOLERANCES APPLY:			
DECIMALS	MM	INCH	ALL FRACTIONS ± 1/32
NONE ±	0.3	N/A	
1 PLACE ±	0.1	N/A	
2 PLACE ±	N/A	0.01	
3 PLACE ±	N/A	0.005	
ANGLES ±		1.0°	

THIRD ANGLE PROJECTION  
  
 R .010 ALLOWABLE AT CORNERS AND INSIDE OF BENDS. BREAK SHARP EDGES.  
 THIS SYMBOL IS USED TO DESIGNATE A CRITICAL DESIGN DIMENSION.

FIN	
DRAWN	DATE
J TOWLES	03-08-02
CHECKED	
J SHANKLIN	03-08-02
MFG. APP.	
QUAL. APP.	
ENGR. APP.	
PRINT DATE	

**INGERSOLL-RAND ARCHITECTURAL HARDWARE** **FALCON**

TITLE: HURRICANE/TORNADO SPECIFICATION

SIZE: B CODE IDENT NO: DWG NO: HTA-7 REV: B

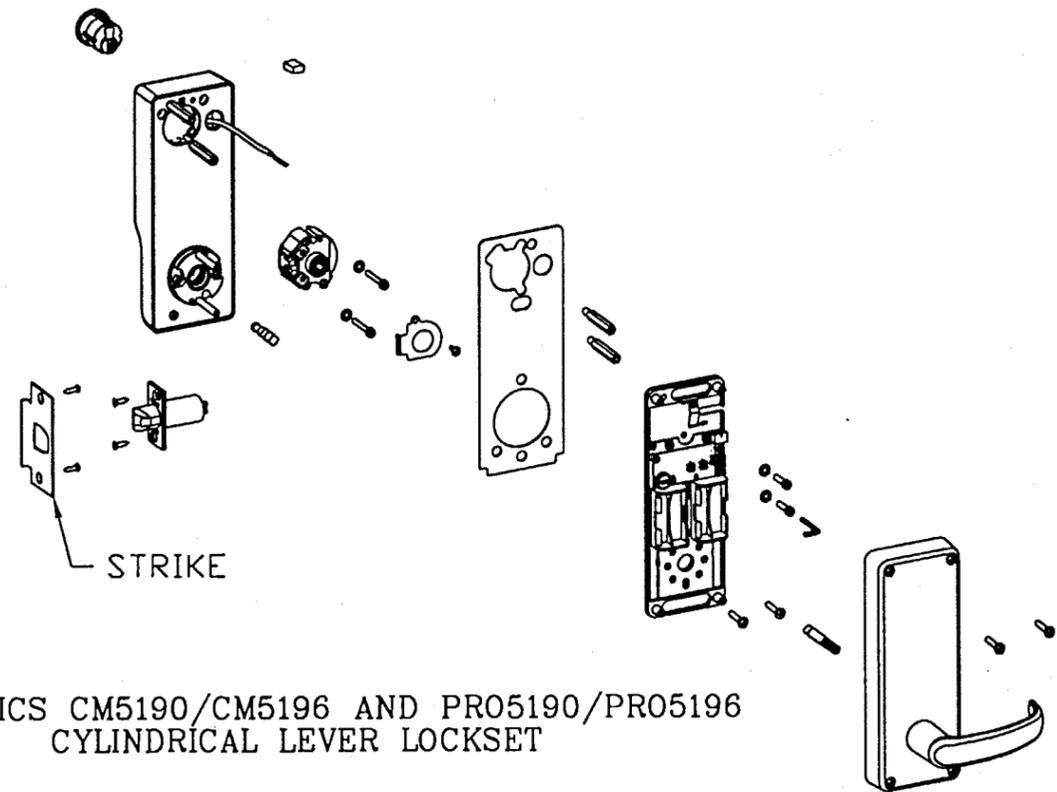
SCALE: --- RNHTA-7-SH4-B SHEET 4 OF 6

REVISIONS					
LTR	ECN	DESCRIPTION	ECN APPROVALS		DATE
			MFG.	ENGR.	
A		NEW ITEM		WAE	03-08-02
B		UPDATE		VITT	01-23-03

DESIGN PRESSURE LOCK SET (CYLINDRICAL)	
+	75 PSF
-	75 PSF

LOCK SPECIFICATION:

LOCKNETICS, CM5190/CM5196, PRO5190/PRO5196 - SERIES, ANSI A156.2-1996 GRADE 1 UL LISTED FOR 3 HOUR DOORS (FIRE RATING TO BE REVIEWED BY BUILDING OFFICIAL)  
 EXPOSED TRIM: PRESSURE CAST ZINC, PLATED TO MATCH BHMA FINISHES.  
 KEYING: ELECTRONIC CONTROLLED SINGLE POINT LOCKSET WITH 1 1/4" MORTISE CYLINDER W/ STANDARD CAM FOR EMERGENCY OVERRIDE.  
 BACKSET: 2 3/4"  
 LATCHES: 1 1/8" X 2 1/4" FACEPLATE, 3/4" THROW - BRASS BOLT  
 STRIKE: ANSI 1 1/4" X 4 7/8" X 1 3/16" LIP STANDARD - BRASS



LOCKNETICS CM5190/CM5196 AND PRO5190/PRO5196 CYLINDRICAL LEVER LOCKSET

LIMITATION:

1. LOCK SET TO BE USED WITH MIAMI-DADE COUNTY APPROVED SINGLE OUTSWING STEEL (16 GA OR BETTER) DOORS.
2. MIN. #12-24 COMBINATION WS/MS (120KSI YIELD MIN.) REQUIRED FOR LOCK SET STRIKE PLATE INSTALLATION.
3. THIS DEVICE IS APPROVED TO BE EQUAL ALTERNATIVE TO BE USED IN SINGLE OR DOUBLE 16GA STEEL COMMERCIAL DOORS, HOLDING CURRENT NOA. THE LOWEST DESIGN PRESSURE RATING SHALL APPLY.
4. THE DEVICE SHALL BE INSTALLED IN COMMERCIAL STEEL DOOR NO WIDER THAN 48" AND HIGHER THAN 96".
5. INSTALLATION OF THIS DEVICE REQUIRES STEEL REINFORCEMENT STEEL CHANNEL REINFORCEMENT .099" X 3.5" X FULL PANEL LENGTH 2.5" AT LOCK SIDE (STILE).
6. APPLICATION OF LOCK SET FOR DOUBLE DOORS, REQUIRE BOLTS ON INACTIVE PANEL.
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8. THIS LOCKSET CAN BE INSTALLED AS A PART OF IMPACT RESISTANT UNIT.

Approved as complying with the Florida Building Code  
 Date: FEB 20, 2003  
 NOA# 02-0712-05  
 Miami Dade Product Control Division  
 By: Shouq L. Chaudh

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		DECIMALS NONE ± 1 PLACE ± 2 PLACE ± 3 PLACE ± ANGLES ±	MM 0.3 0.1 N/A N/A 1.0°	INCH N/A N/A 0.01 0.005	ALL FRACTIONS ± 1/32		THIRD ANGLE PROJECTION R .010 ALLOWABLE AT CORNERS AND INSIDE OF BENDS. BREAK SHARP EDGES. THIS SYMBOL IS USED TO DESIGNATE A CRITICAL DESIGN DIMENSION.	DRAWN J TOWLES CHECKED J SHANKLIN MFG. APP. DUAL. APP. ENGR. APP. PRINT DATE	DATE 03-08-02 03-08-02
						SIZE B	CODE IDENT NO	DWG NO HTA-7	REV B
						SCALE: ---	RNHTA-7-SH5-B	SHEET 5 OF 6	

REVISIONS						
LTR	ECN	DESCRIPTION	ECN APPROVALS			DATE
			MFG.	QUAL.	ENGR.	
A		NEW ITEM			WAE	03-08-02
B		UPDATE			VITT	01-23-03

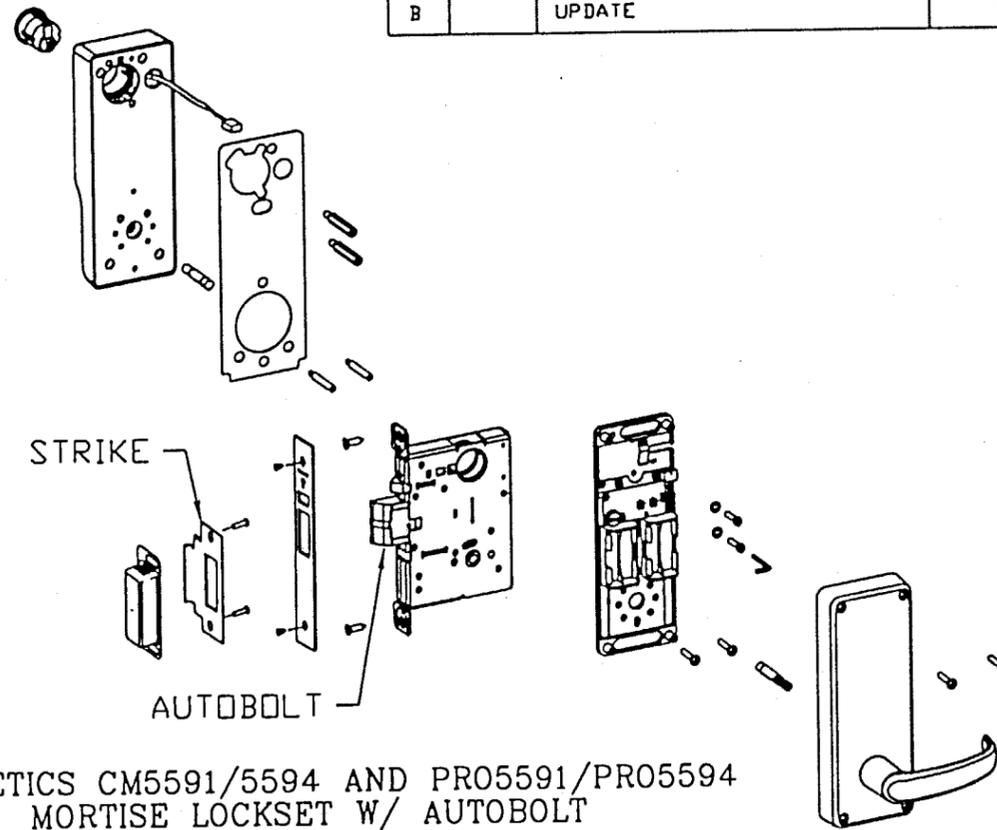
DESIGN PRESSURE MORTISE LOCK W/AUTOBOLT	
+	75 PSF
-	75 PSF

**LOCK SPECIFICATION:**

LOCKNETICS, CM5591/5594, PRO5591/PRO5594 - SERIES = ANSI A156.13-1994  
 GRADE 1 OPERATIONAL  
 GRADE 2 SECURITY  
 UL LISTED FOR 3 HOUR DOORS (FIRE RATING TO BE REVIEWED BY BUILDING OFFICIAL)  
 EXPOSED TRIM: LEVERS FORGED OR CAST BRASS, CAST BRONZE, AND  
 ESCUTCHEONS PRESSURE CAST ZINC PLATED TO MATCH BHMA FINISHES.  
 KEYING: ELECTRONIC CONTROLLED SINGLE POINT LOCKSET WITH  
 1 1/4" MORTISE CYLINDER W/ STANDARD CAM FOR EMERGENCY OVERRIDE.  
 BACKSET: 2 3/4"  
 LATCHES: AUTOBOLT/LATCHBOLT 1" THROW, STAINLESS STEEL BOLT  
 STRIKE: ANSI 1 1/4" X 4 7/8" X 1 1/4" LIP STANDARD - BRASS

**AUTOBOLT/LATCHBOLT DIMENSIONS:**

1" THROW, .625" X 1.625"



LOCKNETICS CM5591/5594 AND PRO5591/PRO5594  
MORTISE LOCKSET W/ AUTOBOLT

**LIMITATION:**

1. LOCK SET TO BE USED WITH MIAMI-DADE COUNTY APPROVED SINGLE OUTSWING STEEL (16 GA OR BETTER) DOORS.
2. MIN. #12-24 COMBINATION WS/MS (120KSI YIELD MIN.) REQUIRED FOR LOCK SET STRIKE PLATE INSTALLATION.
3. THIS DEVICE IS APPROVED TO BE EQUAL ALTERNATIVE TO BE USED IN SINGLE OR DOUBLE 16GA STEEL COMMERCIAL DOORS, HOLDING CURRENT NOA. THE LOWEST DESIGN PRESSURE RATING SHALL APPLY.
4. THE DEVICE SHALL BE INSTALLED IN COMMERCIAL STEEL DOOR NO WIDER THAN 48" AND HIGHER THAN 96".
5. INSTALLATION OF THIS DEVICE REQUIRES STEEL REINFORCEMENT STEEL CHANNEL REINFORCEMENT .099" X 3.5" X FULL PANEL LENGTH 2.5" AT LOCK SIDE (STILE).
6. APPLICATION OF LOCK SET FOR DOUBLE DOORS, REQUIRE BOLTS ON INACTIVE PANEL.
7. ELECTRICAL INSTALLTION IS UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
8. THIS LOCKSET CAN BE INSTALLED AS A PART OF IMPACT RESISTANT UNIT.

Approved as complying with the  
 Florida Building Code  
 Date FEBRUARY 2012  
 NOA# 02-0712-05  
 Miami Dade Product Control  
 Division  
 By Khaqil Chaudh

**WARNING:**  
 EXPORT OF THIS DOCUMENT TO COUNTRIES  
 OUTSIDE OF THE U.S. IS SUBJECT TO U.S.  
 EXPORT, ADMINISTRATION REGULATIONS.

M A T L  UNLESS OTHERWISE SPECIFIED, THE FOLLOWING TOLERANCES APPLY:  <table border="1"> <thead> <tr> <th>DECIMALS</th> <th>MM</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>NONE ±</td> <td>0.3</td> <td>N/A</td> </tr> <tr> <td>1 PLACE ±</td> <td>0.1</td> <td>N/A</td> </tr> <tr> <td>2 PLACE ±</td> <td>N/A</td> <td>0.01</td> </tr> <tr> <td>3 PLACE ±</td> <td>N/A</td> <td>0.005</td> </tr> </tbody> </table> ALL FRACTIONS ± 1/32  ANGLES ± 1.0°	DECIMALS	MM	INCH	NONE ±	0.3	N/A	1 PLACE ±	0.1	N/A	2 PLACE ±	N/A	0.01	3 PLACE ±	N/A	0.005	F I N  THIRD ANGLE PROJECTION  R .010 ALLOWABLE AT CORNERS AND INSIDE OF BENDS. BREAK SHARP EDGES.  THIS SYMBOL IS USED TO DESIGNATE A CRITICAL DESIGN DIMENSION.	DRAWN J TOWLES DATE 03-08-02
	DECIMALS	MM	INCH														
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	2 PLACE ±	N/A	0.01														
3 PLACE ±	N/A	0.005															
CHECKED J SHANKLIN DATE 03-08-02																	
MFG. APP.																	
DUAL. APP.																	
ENGR. APP.																	
PRINT DATE																	

**INGERSOLL-RAND ARCHITECTURAL HARDWARE LOCKNETICS**

TITLE: HURRICANE/TORNADO SPECIFICATION

SIZE: B CODE IDENT NO: DWG NO: HTA-7 REV: B

SCALE: --- RNHTA-7-SH6-B SHEET 6 OF 6