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# dormakaba USA, INC.

## dormakaba SERIES C100 CYLINDRICAL LOCKSET HARDWARE - LMI (COMPONENT APPROVAL)

| C100 CYLINDRICAL LOCKSET        |                 |             |            |
|---------------------------------|-----------------|-------------|------------|
| MAX. DESIGN PRESSURE RATING-PSF |                 |             |            |
| CONFIGURATION                   | MAX. PANEL SIZE | LATCH THROW | MAX. DP    |
| SINGLE                          | 48" X 96"       | 9/16"       | +/- 75 PSF |
| SINGLE                          | 48" X 96"       | 3/4"        | +/- 80 PSF |
| DOUBLE                          | 36" X 84"       | 3/4"        | +/- 50 PSF |

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC) INCLUDING PROVISIONS SET FORTH FOR HIGH-VELOCITY HURRICANE ZONES (HVHZ) AND HAVE BEEN TESTED AND EVALUATED IN ACCORDANCE WITH TAS 201, 202, & 203.
2. THE COMPONENT DESCRIBED HEREIN SHALL BE USED WITH DOOR PANEL FACE SHEETS TO BE MIN. 18 GA. (0.048" MIN.) STEEL, AND FRAME TO BE MIN. 16 GA. (0.057" MIN.) WITH MIN. F<sub>y</sub> = 35,400 PSI STEEL. FORMED STEEL REINFORCEMENT PLATE (1.557" X 8.018") SHALL BE A MINIMUM OF 16 GA. (0.057" MIN.) COLD ROLLED STEEL HINGE REINFORCEMENTS SHALL BE A MINIMUM OF 9 GA. (0.132" MIN.).

2.1. MAX. SINGLE DOOR PANEL DIMENSIONS: 48" (W) X 96" (H) X 1-3/4" THICK

2.1.1. DEVICE SHALL BE INSTALLED INTO SINGLE COMMERCIAL CORE FILLED STEEL DOORS UNDER SEPARATE APPROVAL.

2.1.2. CORE OF DOORS SHALL BE APPROVED AS PART OF SEPARATE DOOR APPROVAL.

2.1.3. DOOR SHALL BE REINFORCED WITH 20 GA. VERTICAL STEEL STIFFENERS.

2.2. MAX. DOUBLE DOOR PANEL DIMENSIONS: 36" (W) X 84" (H) X 1-3/4" THICK

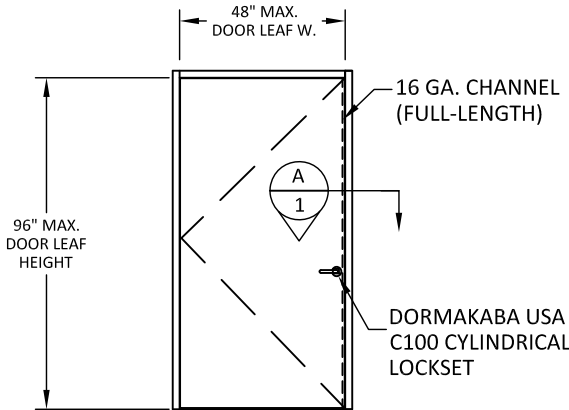
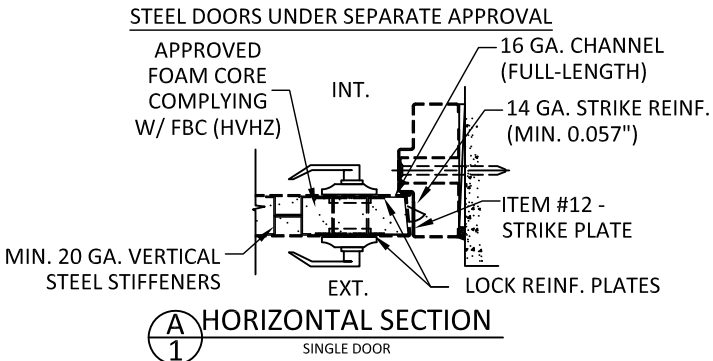
2.2.1. DEVICE SHALL BE INSTALLED INTO DOUBLE COMMERCIAL CORE FILLED STEEL DOORS UNDER SEPARATE APPROVAL.

2.2.2. FILLED CORE OF DOORS SHALL BE APPROVED AS PART OF SEPARATE DOOR APPROVAL.

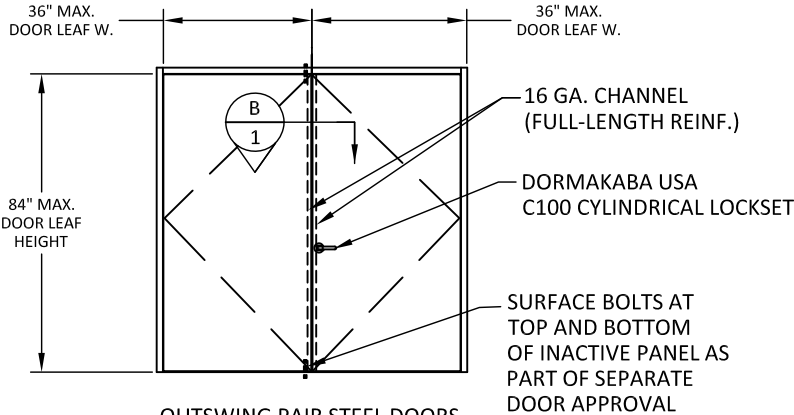
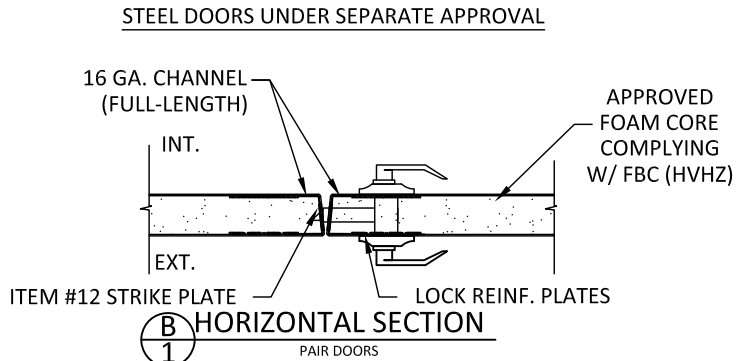
2.2.3. INACTIVE PANELS SHALL BE SECURED WITH BOLTS AT TOP AND BOTTOM AS PART OF SEPARATE DOOR APPROVAL.
3. LOCKING HARDWARE SHALL BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. ALL FASTENERS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. STRIKES, HINGES, AND ALL APPLICABLE REINFORCEMENTS MINIMUM AS REQUIRED ON DETAIL DRAWING IN THIS APPROVAL.
9. STEEL COMPONENTS SHALL BE COATED OR COMPLY WITH CORROSION RESISTANCE PROTECTION IN CONFORMANCE WITH THE MATERIAL PROTECTION PROVISIONS OF CHAPTER 22 OF THE FBC.

LIMITATIONS OF USE:

1. THIS CYLINDRICAL LOCKSET HARDWARE COMPONENT APPROVAL IS TO BE USED AS AN EQUIVALENT ALTERNATIVE OF TESTED LOCK COMPONENTS FOR SINGLE OR PAIR STEEL OUTSWING DOORS HAVING A SEPARATE CURRENT NOA. THE LOWER DESIGN PRESSURE OF DOOR OR THE LOCK COMPONENT APPROVAL HEREIN SHALL CONTROL.
2. ELECTRICAL/ELECTRONIC FUNCTION AND INSTALLATION OTHER THAN SELF CONTAINED ELECTRONIC DEVICES ARE NOT PART OF THIS APPROVAL AND MUST BE REVIEWED BY AUTHORITY HAVING JURISDICTION(AHJ) IN THE AREA.
3. DOOR LEAF SHALL BE NO WIDER THAN 48" OR HIGHER THAN 96" FOR SINGLE DOORS OR WIDER THAN 48" OR HIGHER THAN 84" FOR DOUBLE DOOR APPLICATIONS.
4. COMPLIANCE WITH BUILDING EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.



OUTSWING SINGLE STEEL DOOR  
DOORS UNDER SEPARATE APPROVAL



OUTSWING PAIR STEEL DOORS  
DOORS UNDER SEPARATE APPROVAL

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| 2                 | EXPLODED ISOMETRIC VIEW                    |
| 3                 | ORTHOGRAPHIC VIEWS & BILL OF MATERIALS     |



6161 EAST 75TH STREET  
INDIANAPOLIS, IN 46250  
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TITLE: dormakaba SERIES C100 CYLINDRICAL LOCKSET HARDWARE - LMI (COMPONENT APPROVAL)

GENERAL NOTES, ELEVATION, AND SECTION VIEW

PREPARED BY:

BUILDING DROPS, INC.

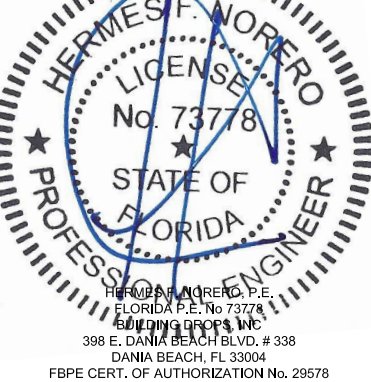
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DANIA BEACH, FL 33004  
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Reason: I am approving this document  
Date: 2022.08.14 22:10:58 -0400



FL #:

FL16202

DATE: 04/03/2020

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YC

CHK. BY:  
HFN

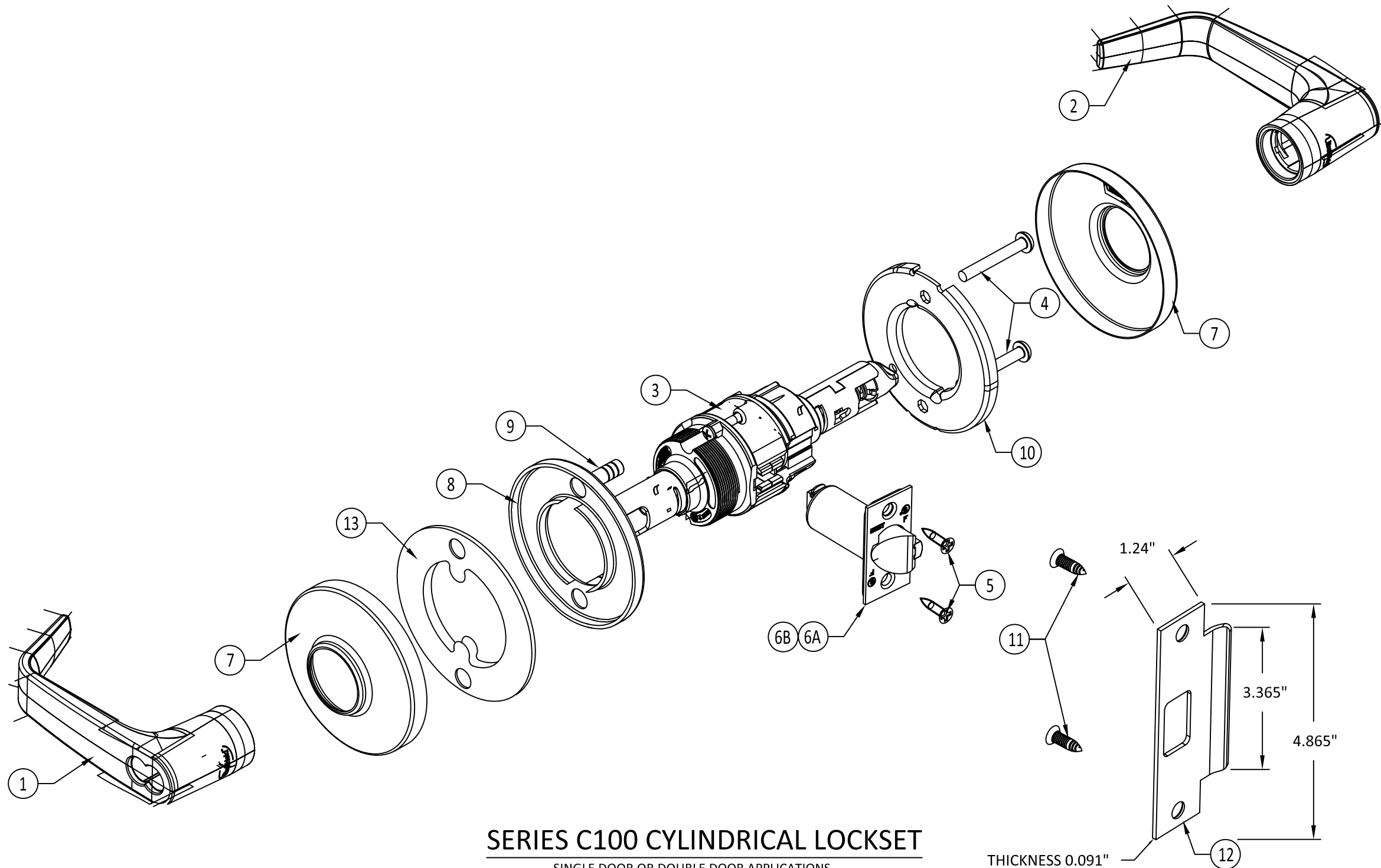
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OF 3



**SERIES C100 CYLINDRICAL LOCKSET**  
SINGLE DOOR OR DOUBLE DOOR APPLICATIONS  
SEE SHEET 1 FOR DESIGN PRESSURES AND FURTHER LIMITATIONS.



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EXPLODED ISOMETRIC VIEW

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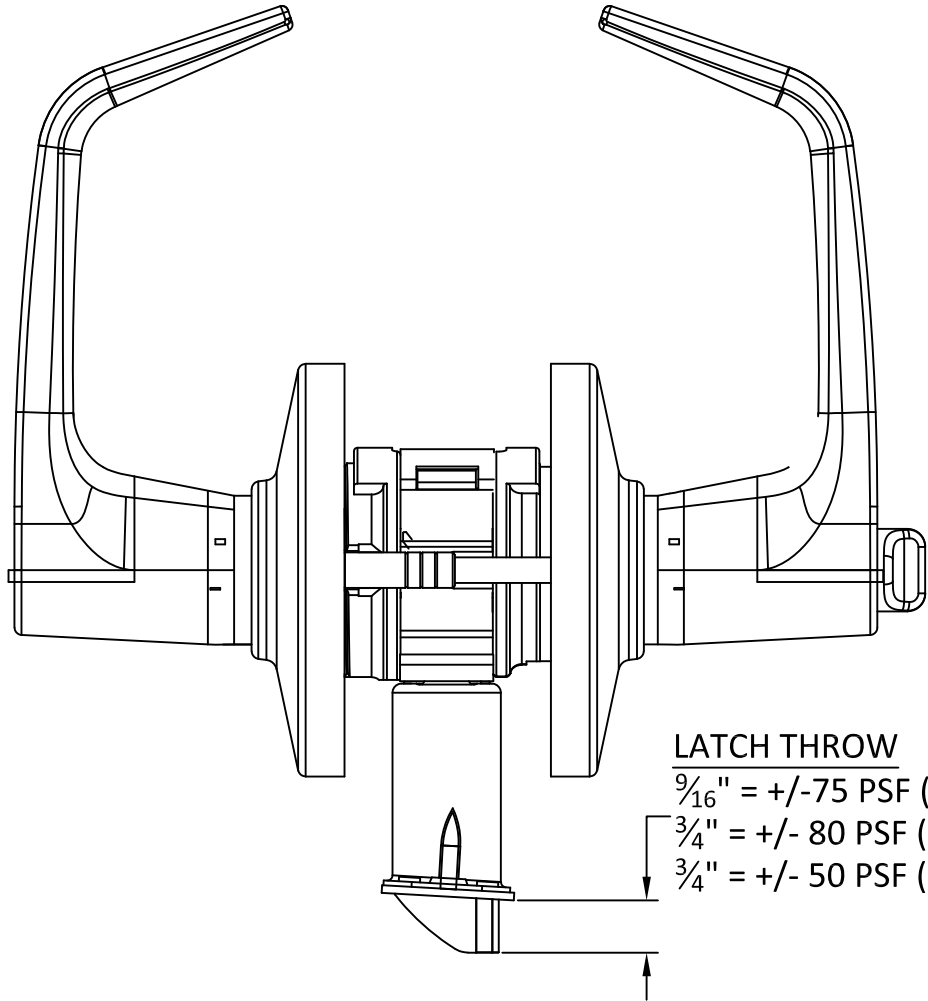
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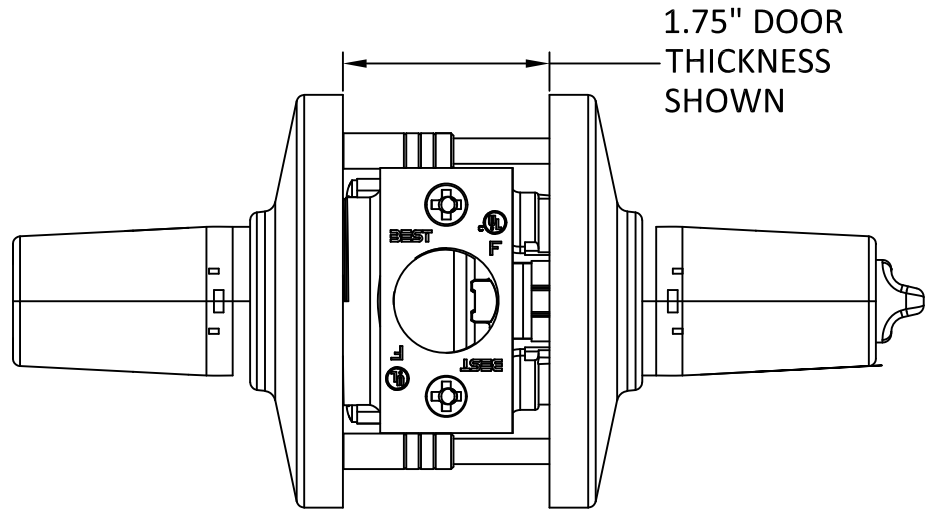
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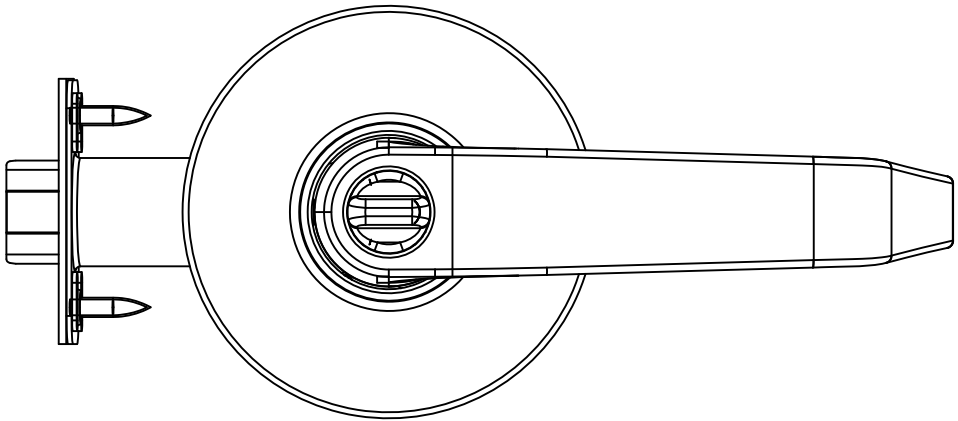
TOP ORTHO VIEW



SERIES C100 CYLINDRICAL LOCKSET

SIDE ORTHO VIEW

| MATERIAL & PARTS LIST |         |                                                               |                       |          |       |
|-----------------------|---------|---------------------------------------------------------------|-----------------------|----------|-------|
| ITEM                  | DRAWING | DESCRIPTION                                                   | APPROXIMATE SIZE      | MATERIAL | REQ'D |
| 1                     | D55168  | #15 STYLE KEYED LEVER HANDLE FOR C100                         | 5.414 X 2.095 X 1.260 | ZINC     | 1     |
| 2                     | D91201  | #15 STYLE BUTTON LEVER HANDLE FOR C100                        | 5.414 X 2.095 X 1.260 | ZINC     | 1     |
| 3                     | C91053  | CHASSIS ASSEMBLY "53" FUNCTION                                | Ø2.075 X 7.103        | STEEL    | 1     |
| 4                     | A55557  | CLAMP FOR C100                                                | #12-24 X 1.625        | STEEL    | 2     |
| 5                     | A25359  | COMBINATION SCREW # 8-32                                      | #8-32 X .750          | STEEL    | 2     |
| 6A                    | C54680  | DEADLOCKING LATCH & FACEPLATE ASSEMBLY FOR C100 (3/4" THROW)  | 2.248 X 1.123 X 2.626 | STEEL    | 1     |
| 6B                    | C54680  | DEADLOCKING LATCH & FACEPLATE ASSEMBLY FOR C100 (9/16" THROW) | 2.248 X 1.123 X 2.626 | STEEL    | 1     |
| 7                     | C81795  | LARGE ROSE                                                    | Ø3.499 X .788         | BRASS    | 2     |
| 8                     | C91021  | CL 100 LARGE O/S LINER                                        | Ø3.499 X .240         | STEEL    | 1     |
| 9                     | B91024  | THREADED ANTI-ROTATION STUD                                   | Ø.301 X 1.137         | STEEL    | 2     |
| 10                    | D91203  | LARGE NON-IC LEVER                                            | Ø3.499 X .240         | STEEL    | 1     |
| 11                    | A18724  | #12-24/#12-12 X 3/4" UNDERCUT PFHCS, GR. 5                    | #12-24 X .750         | STEEL    | 2     |
| 12                    | B25641  | 4 7/8" STRIKE FOR C100                                        | 4.865 X 1.240 X .091  | BRASS    | 1     |
| 13                    | B91022  | ANTI-ROTATION PLATE                                           | Ø2.750 X .010         | STEEL    | 1     |



SERIES C100 CYLINDRICAL LOCKSET

FRONT ORTHO VIEW



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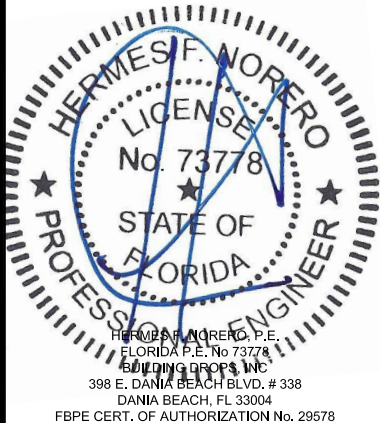
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