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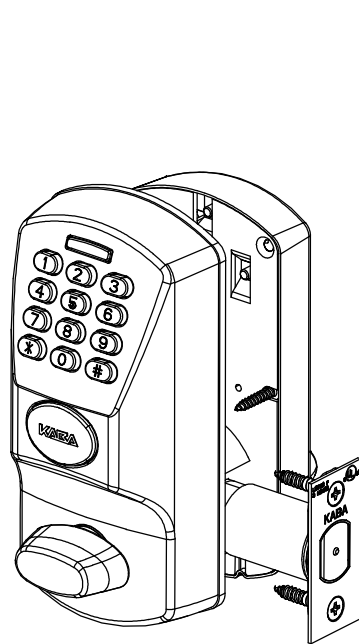


"ORACODE 460K & 480i"  
"E-PLEX 1505"  
"NOVA"  
"SAFFIRE LX-D" SERIES  
  
ELECTRONIC LOCK  
in a  
FIBERGLASS OR STEEL DOOR  
INSWING / OUTSWING  
"IMPACT"

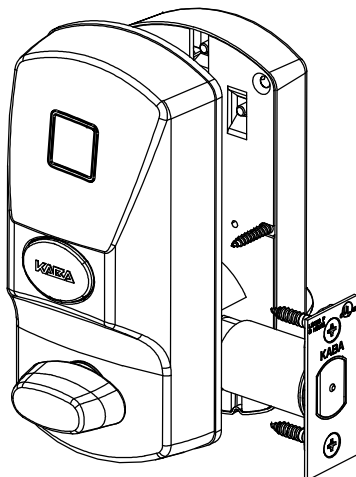
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. When used in areas requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2. and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
3. This product has been tested in the door panels as specified in this approval. Substitution into a similar product may be approved for use by the local Authority Having Jurisdiction. In all cases, the steel or fiberglass door used must possess a comparable current Florida Statewide product approval. The door panel size and design pressure (DP) rating shall not exceed the sizes and DP ratings shown in this approval or the side hinged swing door approval being used.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

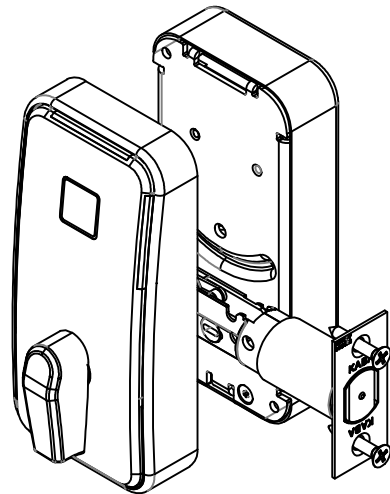
| TABLE OF CONTENTS |                                                     |
|-------------------|-----------------------------------------------------|
| SHEET#            | DESCRIPTION                                         |
| 1                 | Typical elevation, design pressures & general notes |
| 2                 | Lock details                                        |
| 3                 | Lock details                                        |
| 4                 | Lock details                                        |
| 5                 | Door panel details                                  |



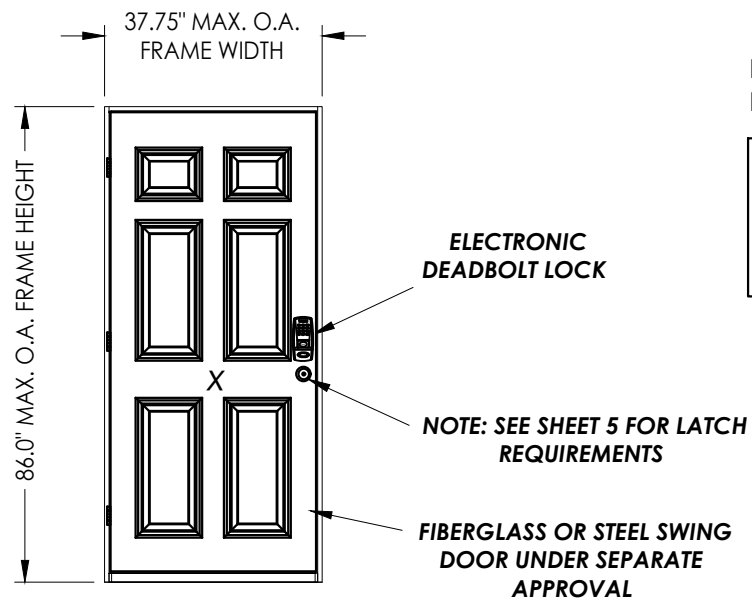
"ORACODE 460K"  
"ORACODE 480i"  
"E-PLEX 1505"



"NOVA"

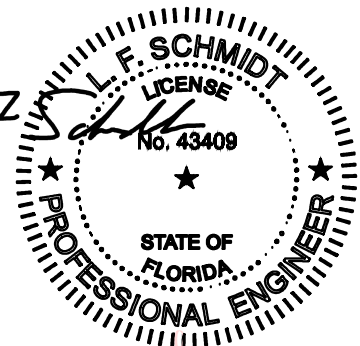


"SAFFIRE LX-D"



| MAX<br>FRAME<br>DIMENSION | LOCK TYPE                      | DOOR<br>MATERIAL      | DESIGN PRESSURE (PSF) |          |          |          |
|---------------------------|--------------------------------|-----------------------|-----------------------|----------|----------|----------|
|                           |                                |                       | INSWING               |          | OUTSWING |          |
|                           |                                |                       | POSITIVE              | NEGATIVE | POSITIVE | NEGATIVE |
| 37.75" x 86.0"            | ELECTRONIC<br>DEADBOLT<br>LOCK | FIBERGLASS            | +55.0                 | -65.0    | +55.0    | -55.0    |
|                           |                                | STEEL<br>(STEEL EDGE) | +55.0                 | -65.0    | +55.0    | -55.0    |
|                           |                                | STEEL<br>(WOOD EDGE)  | N/A                   | N/A      | +55.0    | -55.0    |

N/A - Not applicable



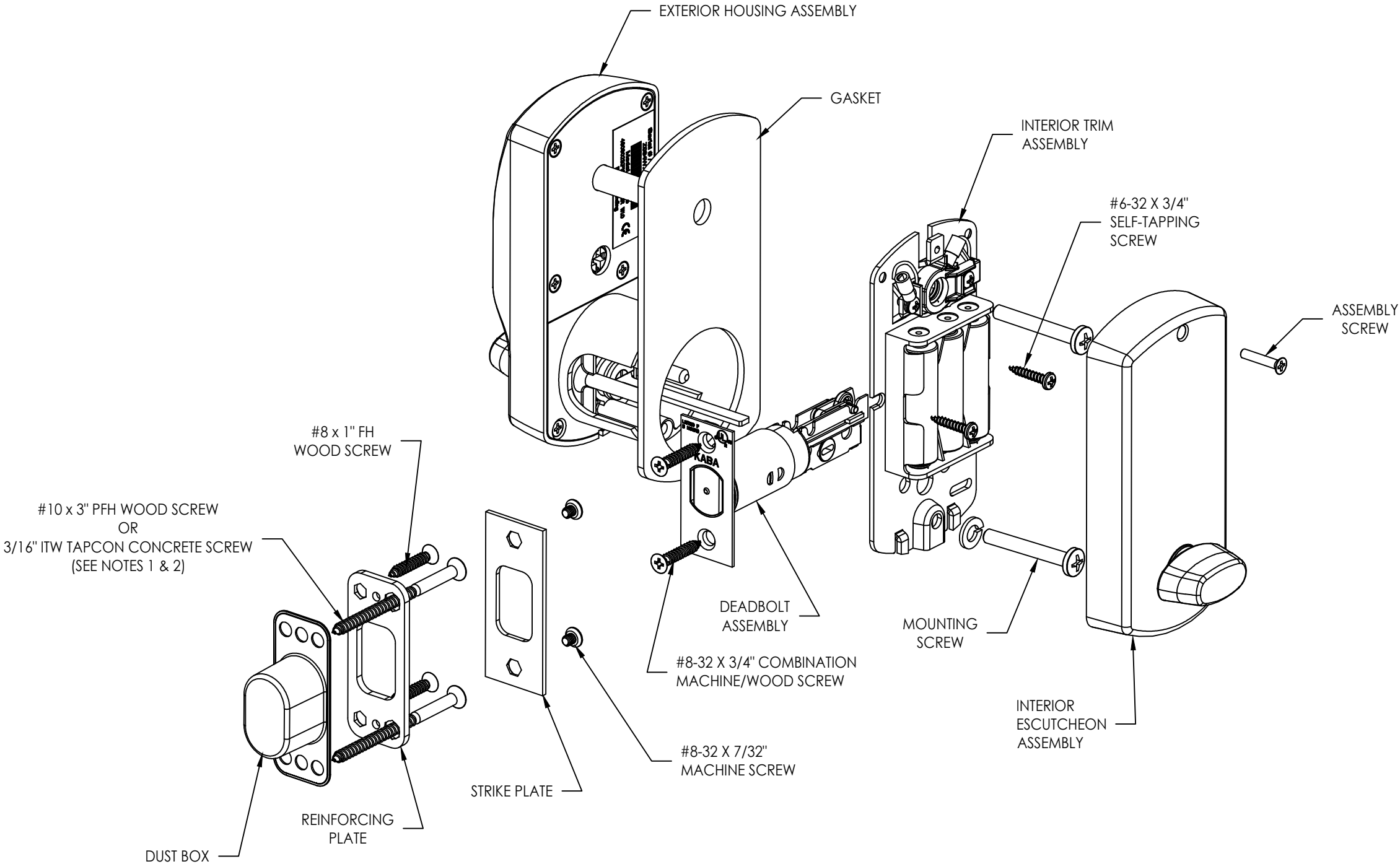
Digitally signed by Lyndon F Schmidt  
Date: 2023.09.27 11:11:10 -04'00'

This item has been digitally signed and sealed by  
L. F. Schmidt, P.E. on the date adjacent to the seal.  
Printed copies of this document are not  
considered signed and sealed and the signature  
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID  
ONLY FOR THE STATE OF FLORIDA

|                                                               |          |                                                                                                                    |     |
|---------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------|-----|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |          | BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Vairico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |     |
| PRODUCT:<br>dormakaba<br>ELECTRONIC LOCKS                     |          | PART OR ASSEMBLY:<br>TYPICAL ELEVATION, DESIGN<br>PRESSURES & GENERAL NOTES                                        |     |
| 6                                                             | 8/31/23  | UPDATE TO 8TH ED. (2023) FBC                                                                                       | LFS |
| 5                                                             | 9/28/20  | UPDATE TO 7TH ED. (2020) FBC                                                                                       | LFS |
| 4                                                             | 4/17/19  | ADD ADDITIONAL LOCK SERIES                                                                                         | LFS |
| 3                                                             | 12/18/17 | ADD ADDITIONAL LOCK SERIES                                                                                         | JK  |
| NO.                                                           | DATE     |                                                                                                                    | BY  |
| REVISIONS                                                     |          |                                                                                                                    |     |
| DATE: 2/14/12                                                 |          |                                                                                                                    |     |
| SCALE: N.T.S.                                                 |          |                                                                                                                    |     |
| DWG. BY: JK                                                   |          |                                                                                                                    |     |
| CHK. BY: LFS                                                  |          |                                                                                                                    |     |
| DRAWING NO.: FL-13061.9                                       |          |                                                                                                                    |     |
| SHEET 1 OF 5                                                  |          |                                                                                                                    |     |

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"ORACODE 460K"  
ELECTRONIC LOCK

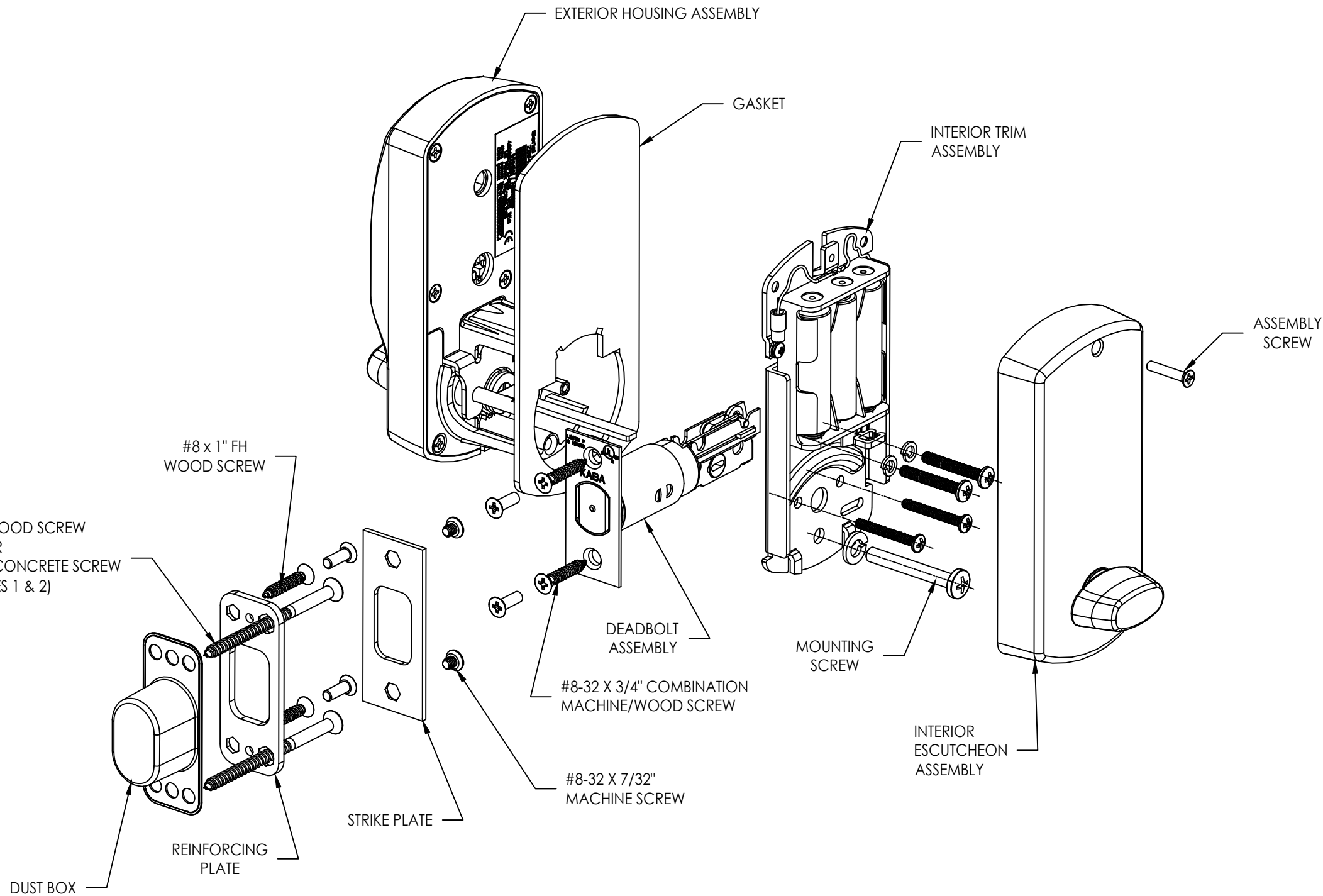
- NOTES :
1. Wood screw installation requires 2" min. embedment into wood substrate ( $G \geq 0.55$ ).
  2. Concrete screw installation requires 1.25" min. embedment into concrete (conforming to ACI 301, 3000 psi min.) or hollow block (conforming to ASTM C-90) and maintaining a min. 3" edge distance and 1-1/2" min. center-to-center spacing of anchors.

|                         |          |                            |     |                  |  |
|-------------------------|----------|----------------------------|-----|------------------|--|
| PRODUCT:                |          | dormakaba                  |     | ELECTRONIC LOCKS |  |
| PART OR ASSEMBLY:       |          | LOCK DETAILS               |     |                  |  |
| REVISONS                |          |                            |     |                  |  |
| NO.                     | DATE     | BY                         | JK  |                  |  |
| 6                       | 8/31/23  | UPDATE TO 8TH ED. (2023)   | FBC | LFS              |  |
| 5                       | 9/28/20  | UPDATE TO 7TH ED. (2020)   | FBC | LFS              |  |
| 4                       | 4/17/19  | ADD ADDITIONAL LOCK SERIES | LFS |                  |  |
| 3                       | 12/18/17 | ADD ADDITIONAL LOCK SERIES | JK  |                  |  |
| DATE: 2/14/12           |          |                            |     |                  |  |
| SCALE: N.T.S.           |          |                            |     |                  |  |
| DWG. BY: JK             |          |                            |     |                  |  |
| CHK. BY: LFS            |          |                            |     |                  |  |
| DRAWING NO.: FL-13061.9 |          |                            |     |                  |  |
| SHEET 2 OF 5            |          |                            |     |                  |  |

Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

*RW* BUILDING CONSULTANTS, INC.  
P.O. Box 230, Vairico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

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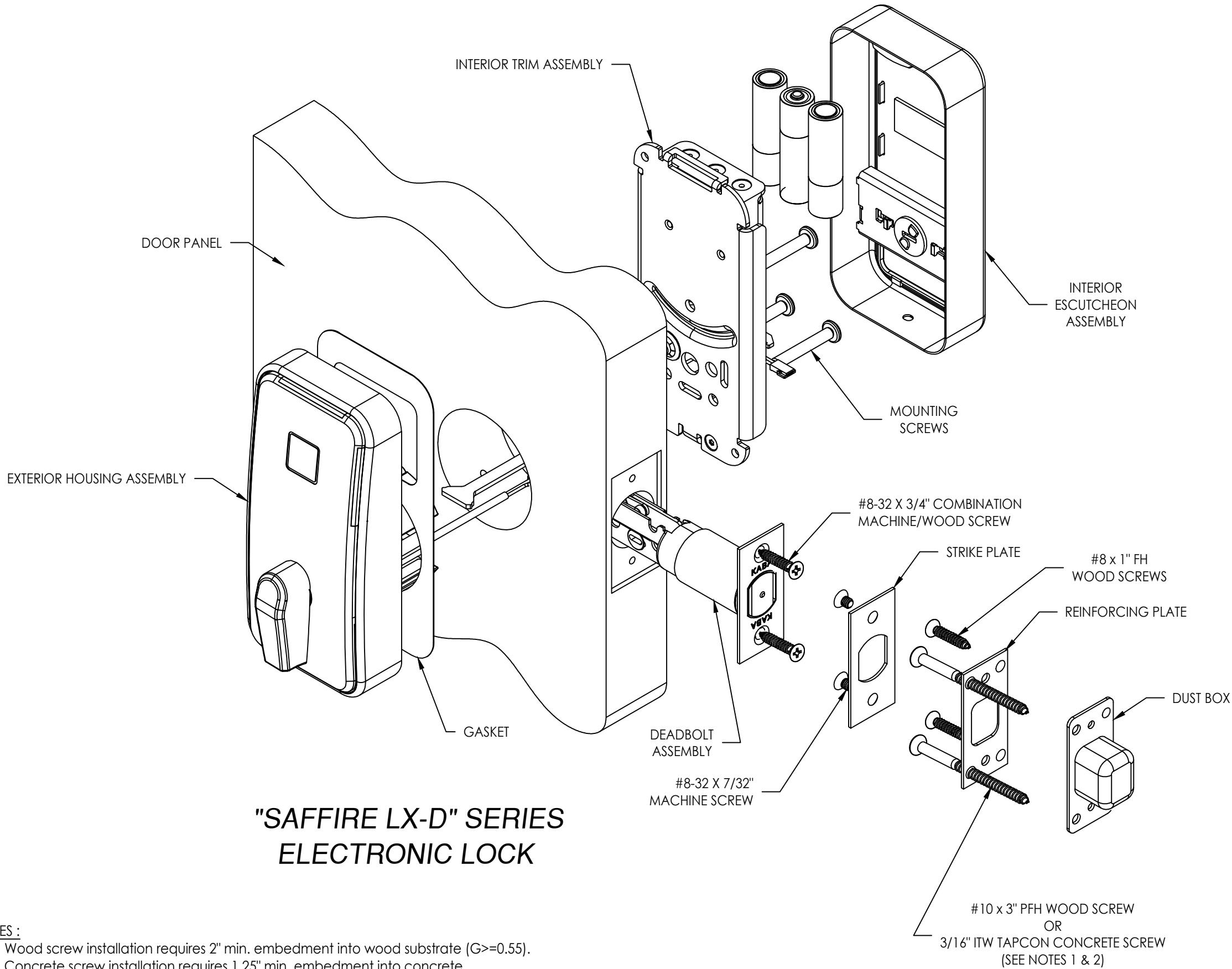


"ORACODE 480i", "E-PLEX 1505" & "NOVA" SERIES  
ELECTRONIC LOCK

- NOTES :
1. Wood screw installation requires 2" min. embedment into wood substrate ( $G \geq 0.55$ ).
  2. Concrete screw installation requires 1.25" min. embedment into concrete (conforming to ACI 301, 3000 psi min.) or hollow block (conforming to ASTM C-90) and maintaining a min. 3" edge distance and 1-1/2" min. center-to-center spacing of anchors.

|                                                               |          |                                                                                                                    |     |
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| PRODUCT:<br>dormakaba<br>ELECTRONIC LOCKS                     |          | PART OR ASSEMBLY:<br>LOCK DETAILS                                                                                  |     |
| 6                                                             | 8/31/23  | UPDATE TO 8TH ED. (2023) FBC                                                                                       | LFS |
| 5                                                             | 9/28/20  | UPDATE TO 7TH ED. (2020) FBC                                                                                       | LFS |
| 4                                                             | 4/17/19  | ADD ADDITIONAL LOCK SERIES                                                                                         | LFS |
| 3                                                             | 12/18/17 | ADD ADDITIONAL LOCK SERIES                                                                                         | JK  |
| NO.                                                           | DATE     |                                                                                                                    | BY  |
| REVISIONS                                                     |          |                                                                                                                    |     |
| DATE: 2/14/12                                                 |          |                                                                                                                    |     |
| SCALE: N.T.S.                                                 |          |                                                                                                                    |     |
| DWG. BY: JK                                                   |          |                                                                                                                    |     |
| CHK. BY: LFS                                                  |          |                                                                                                                    |     |
| DRAWING NO.: FL-13061.9                                       |          |                                                                                                                    |     |
| SHEET 3 OF 5                                                  |          |                                                                                                                    |     |

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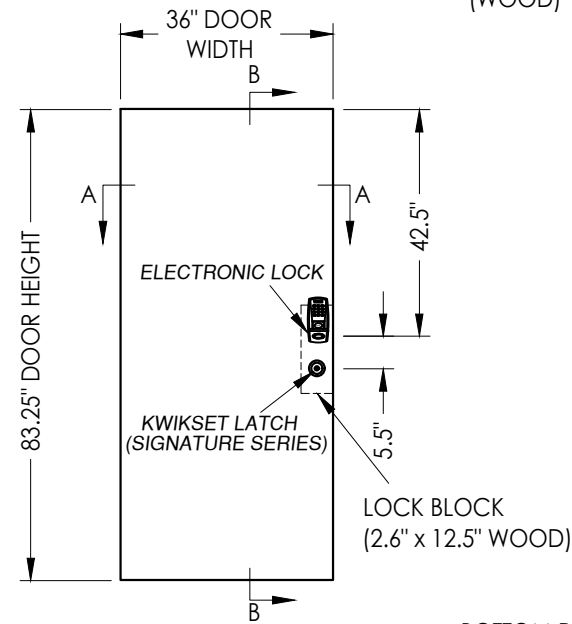
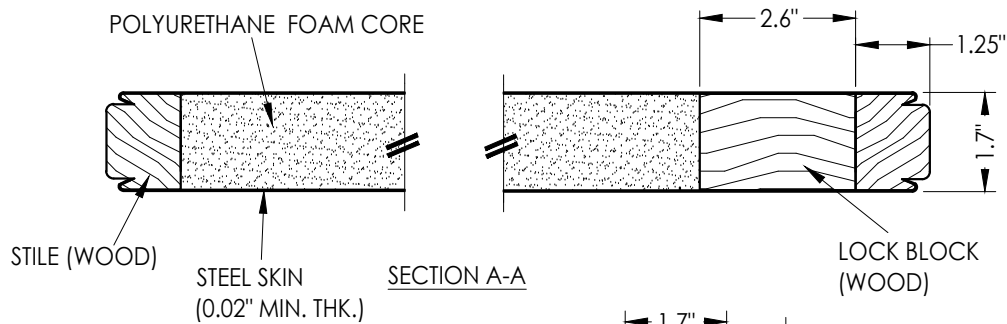


NOTES :

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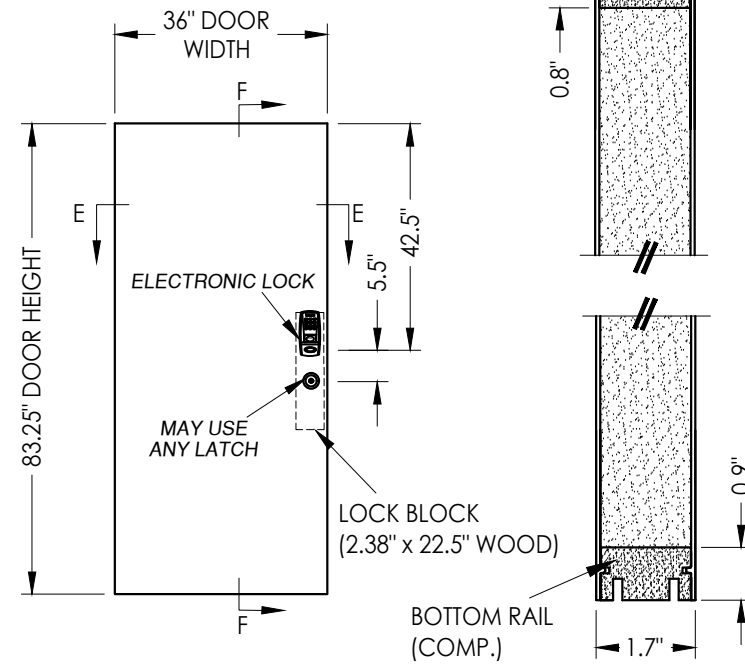
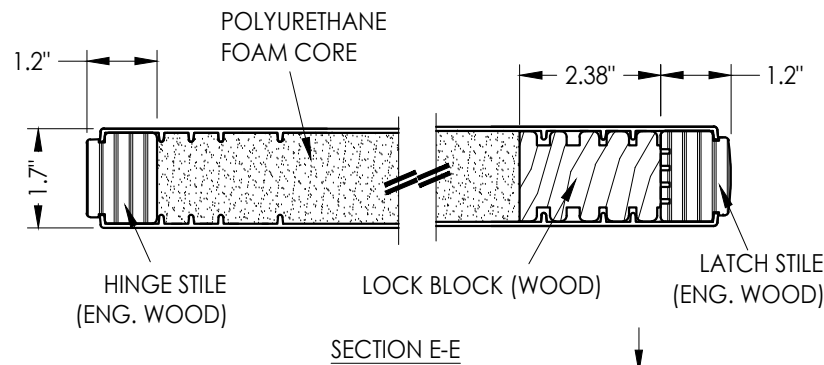
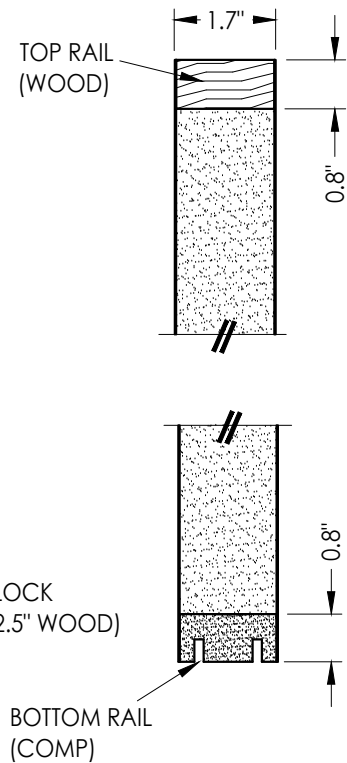
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| PRODUCT: |  | dormakaba<br>ELECTRONIC LOCKS |  | PART OR ASSEMBLY: |  | LOCK DETAILS |  |
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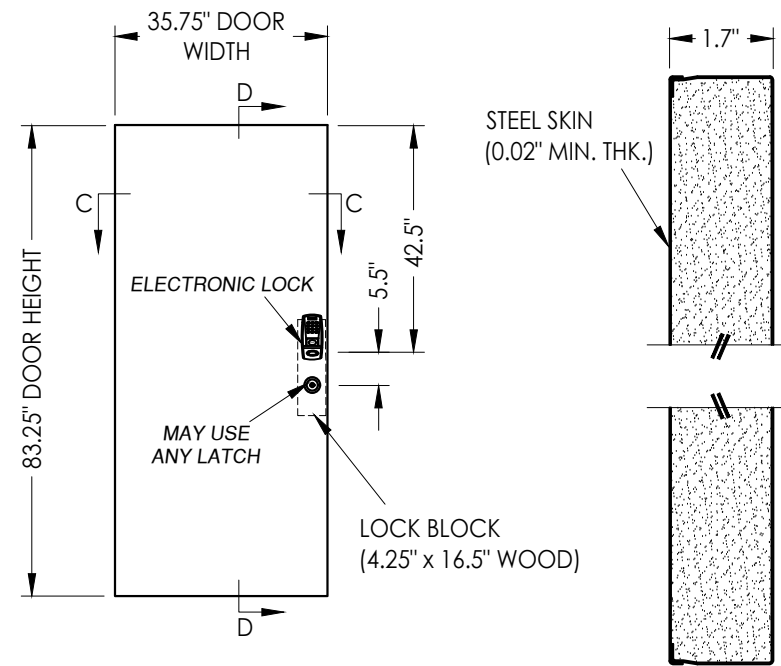
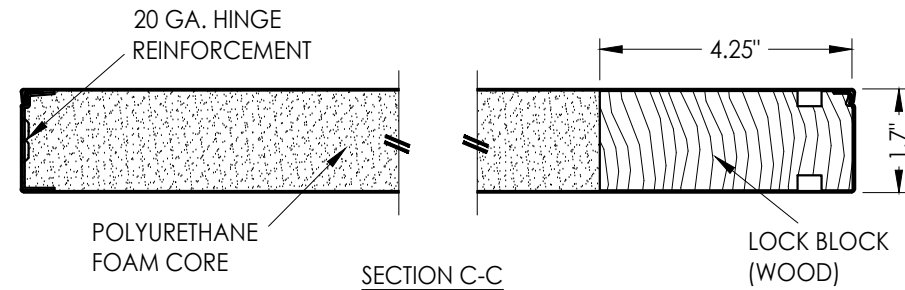
STEEL DOOR PANEL  
Therma-Tru 7' 0" (Wood Edge)

DOOR TESTED w/ KWIKSET SIGNATURE SERIES LATCH



FIBERGLASS DOOR PANEL  
Therma-Tru 7' 0"

DOOR TESTED WITHOUT LATCH - MAY USE ANY LATCH



STEEL DOOR PANEL  
Taylor 7' 0" (Steel Edge)

DOOR TESTED WITHOUT LATCH - MAY USE ANY LATCH

SECTION D-D

NOTE: Door panels shown as tested. Refer to current Florida Statewide Product Approval for actual specifications and installation instructions (See General Note 3, Sheet 1).

Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

PRODUCT:  
dormakaba  
ELECTRONIC LOCKS

| NO. | DATE     | REVISIONS                  |            |     |     |
|-----|----------|----------------------------|------------|-----|-----|
|     |          | BY                         | JK         | LFS | FBC |
| 6   | 8/31/23  | UPDATE TO 8TH ED.          | (2023) FBC | LFS | FBC |
| 5   | 9/28/20  | UPDATE TO 7TH ED.          | (2020) FBC | LFS | FBC |
| 4   | 4/17/19  | ADD ADDITIONAL LOCK SERIES |            | LFS |     |
| 3   | 12/18/17 | ADD ADDITIONAL LOCK SERIES |            | JK  |     |

DATE: 6/4/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-13061.9

SHEET 5 OF 5

**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
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FBPE Registry No. 9813