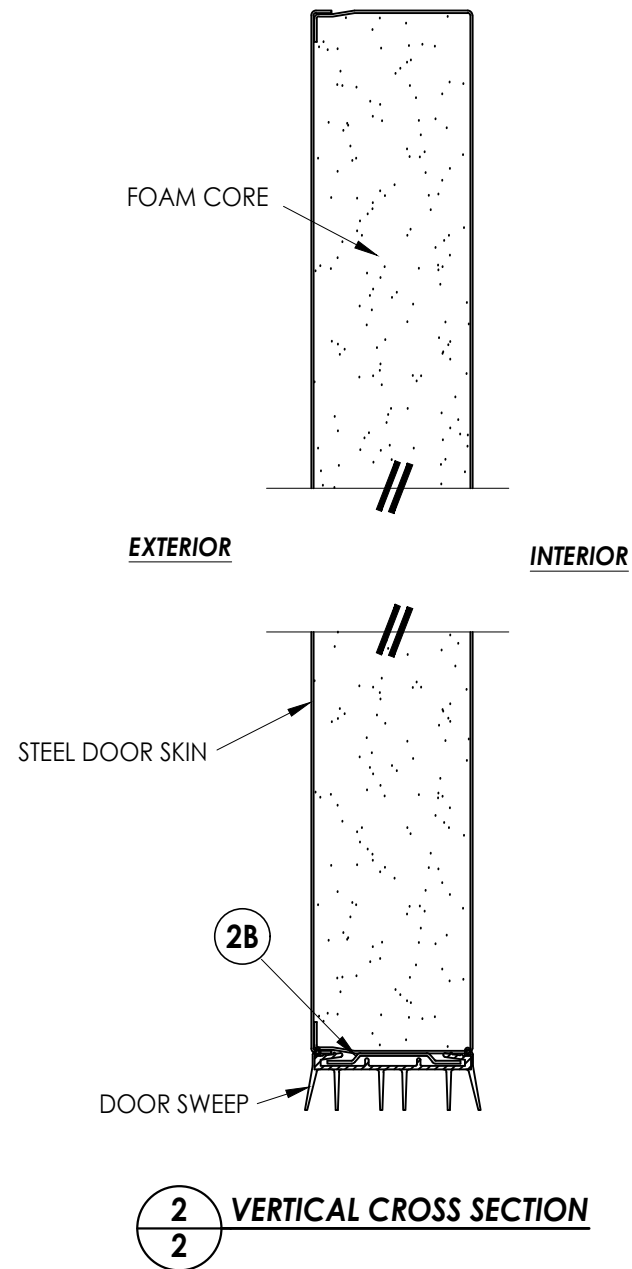
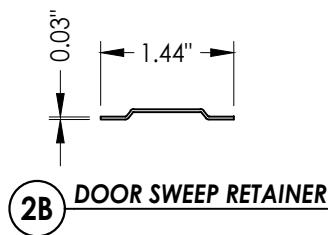
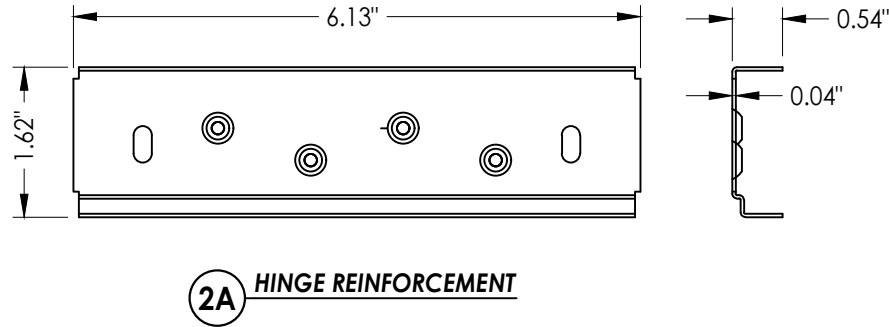
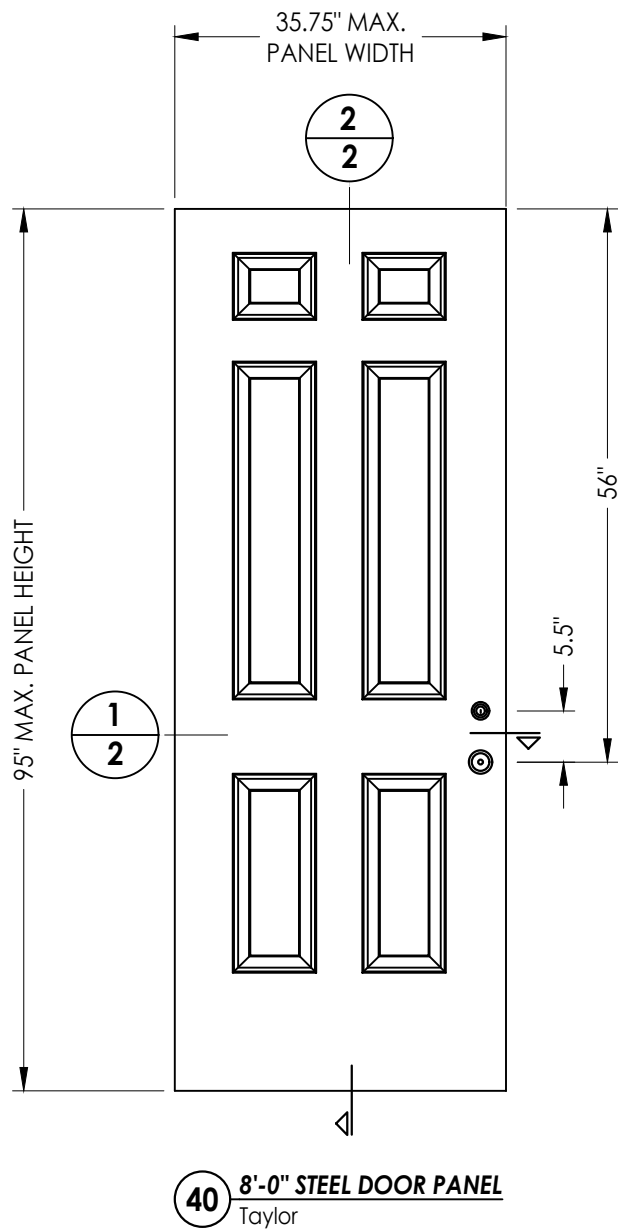
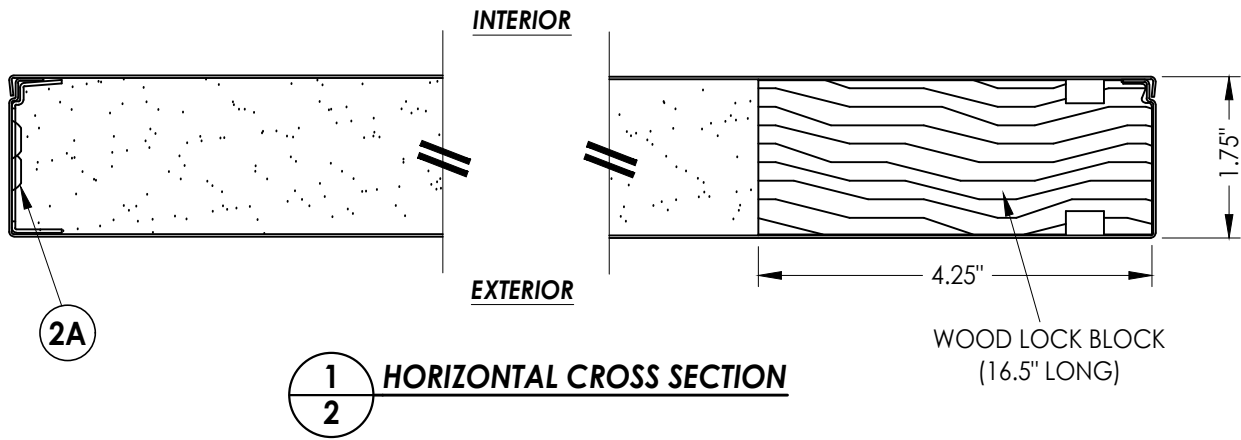


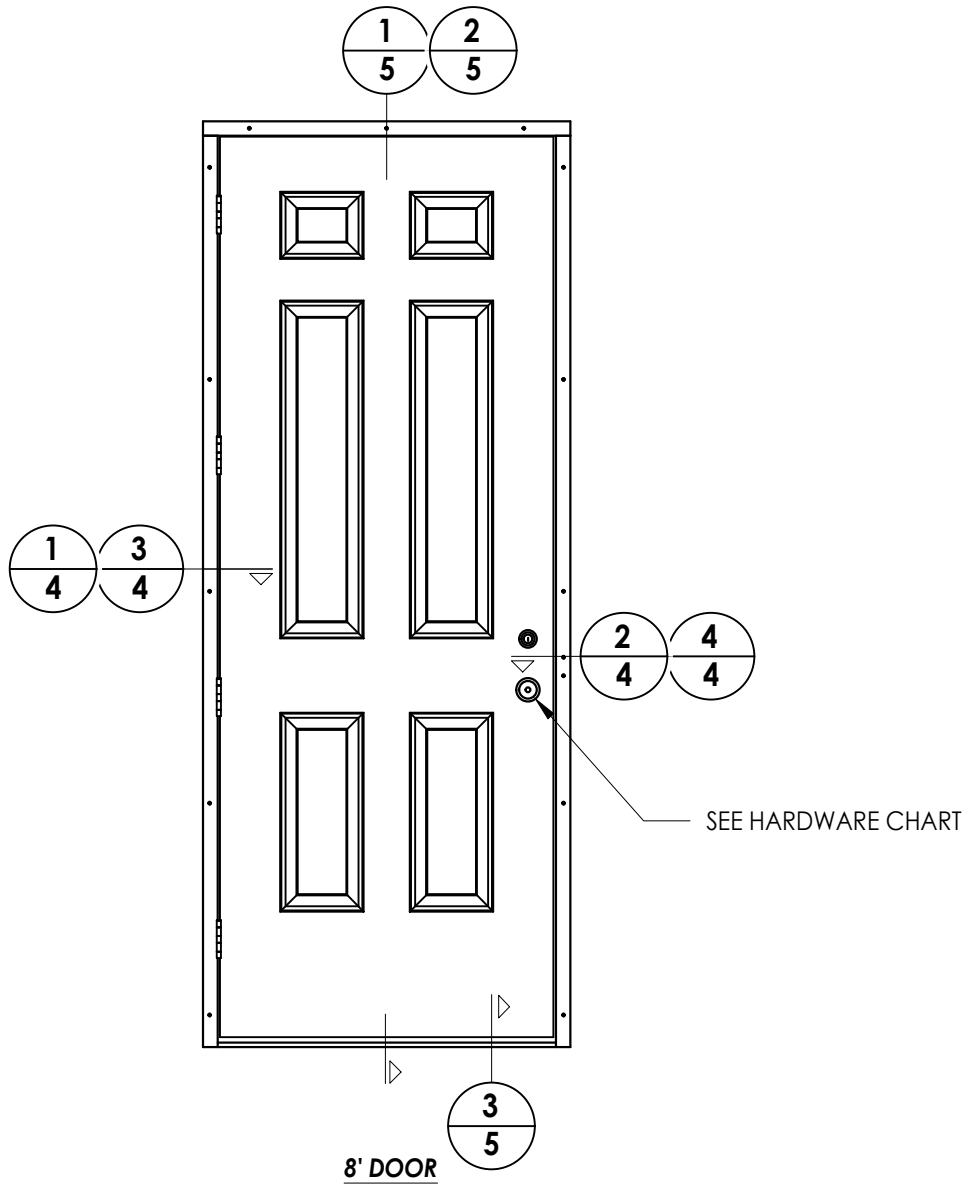


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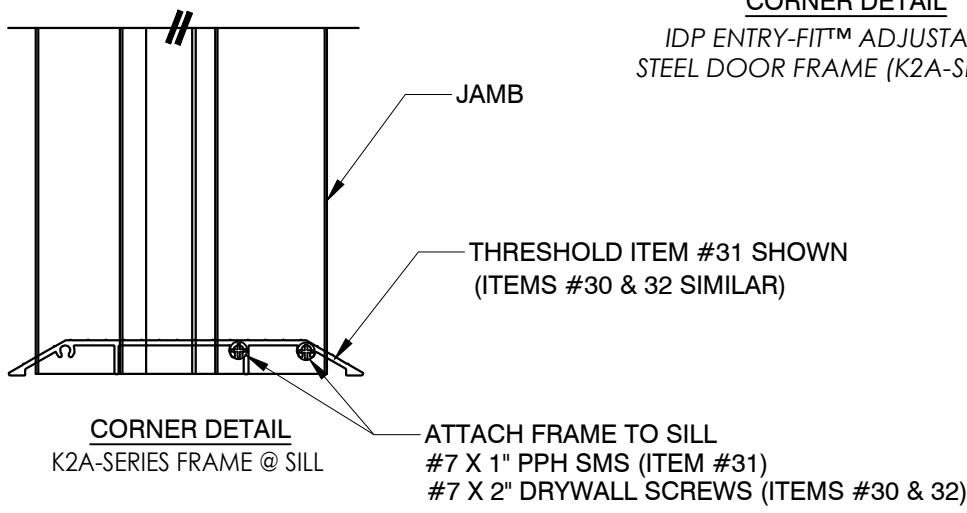


GALVANIZED STEEL DOOR SKIN: 0.020" MIN. THK.  
FOAM CORE: POLYURETHANE

|                                                               |         |                          |     |                                                                                                                       |  |  |  |
|---------------------------------------------------------------|---------|--------------------------|-----|-----------------------------------------------------------------------------------------------------------------------|--|--|--|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |         |                          |     | RW BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |  |  |  |
| PRODUCT:<br>IDP<br>STEEL FRAME (K2A-SERIES)                   |         | PART OR ASSEMBLY:        |     | DOOR PANEL DETAILS                                                                                                    |  |  |  |
|                                                               |         |                          | LFS |                                                                                                                       |  |  |  |
|                                                               |         |                          | FBC |                                                                                                                       |  |  |  |
| 2                                                             | 7/19/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS                                                                                                                   |  |  |  |
| 1                                                             | 8/31/20 | UPDATE TO 7TH ED. (2020) | FBC | LFS                                                                                                                   |  |  |  |
| NO.                                                           | DATE    |                          |     | BY                                                                                                                    |  |  |  |
|                                                               |         |                          |     | REVISIONS                                                                                                             |  |  |  |
| DATE: 1/22/20                                                 |         |                          |     |                                                                                                                       |  |  |  |
| SCALE: N.T.S.                                                 |         |                          |     |                                                                                                                       |  |  |  |
| DWG. BY: RW                                                   |         |                          |     |                                                                                                                       |  |  |  |
| CHK. BY: LFS                                                  |         |                          |     |                                                                                                                       |  |  |  |
| DRAWING NO.: FL-31317.2                                       |         |                          |     |                                                                                                                       |  |  |  |
| SHEET 2 OF 7                                                  |         |                          |     |                                                                                                                       |  |  |  |



| HARDWARE CHART |                     |                                            |
|----------------|---------------------|--------------------------------------------|
| MANUFACTURER   | MODEL               |                                            |
| KWIKSET        | LOCK:<br>DEADBOLT:  | SIGNATURE SERIES<br>SIGNATURE SERIES (980) |
| SCHLAGE        | LEVER:<br>DEADBOLT: | "F" SERIES (F51)<br>B60N                   |



|           |         |                          |     |     |  |
|-----------|---------|--------------------------|-----|-----|--|
|           |         |                          |     |     |  |
|           |         |                          |     |     |  |
|           |         |                          |     |     |  |
|           |         |                          |     |     |  |
|           |         |                          |     |     |  |
| 2         | 7/19/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS |  |
| 1         | 8/31/20 | UPDATE TO 7TH ED. (2020) | FBC | LFS |  |
| NO.       | DATE    |                          |     | BY  |  |
| REVISIONS |         |                          |     |     |  |

|              |                      |
|--------------|----------------------|
| DATE:        | 1/22/20              |
| SCALE:       | N.T.S.               |
| DWG. BY:     | RW                   |
| CHK. BY:     | LFS                  |
| DRAWING NO.: | FL-31317.2           |
| SHEET        | <u>3</u> OF <u>7</u> |

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

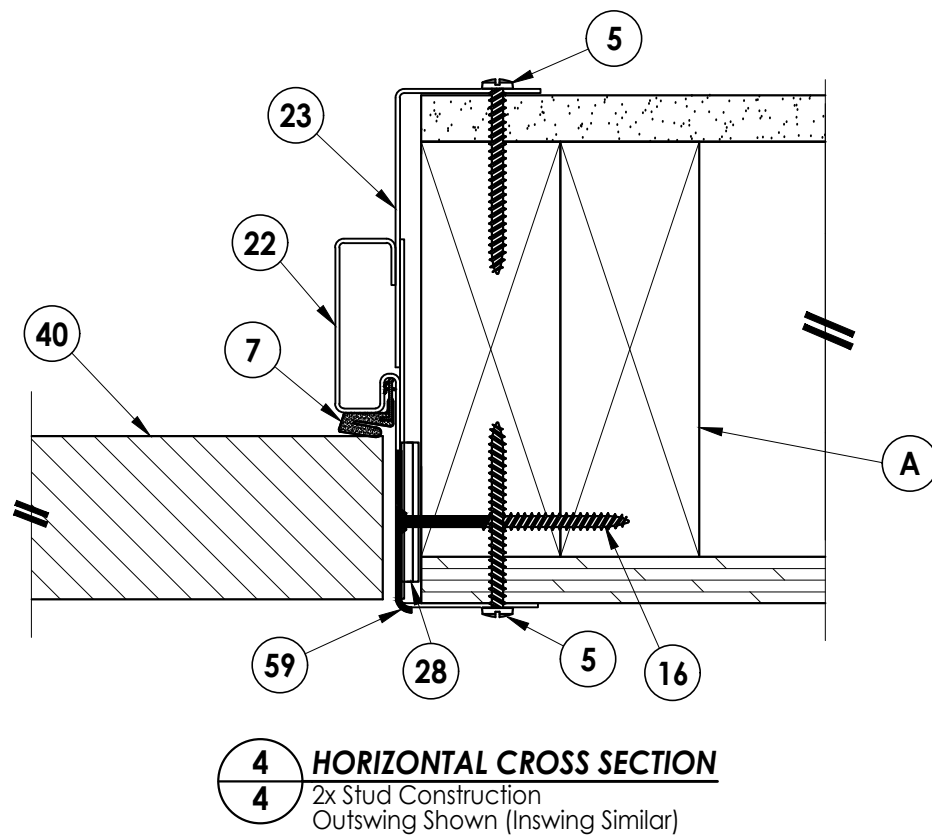
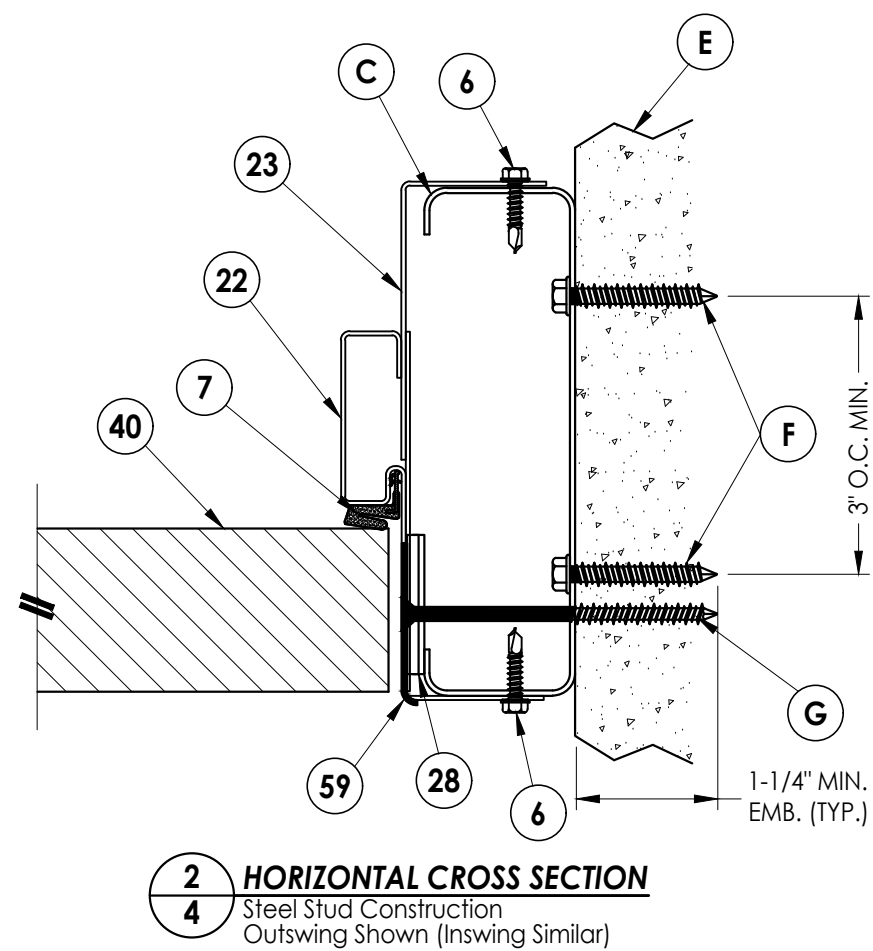
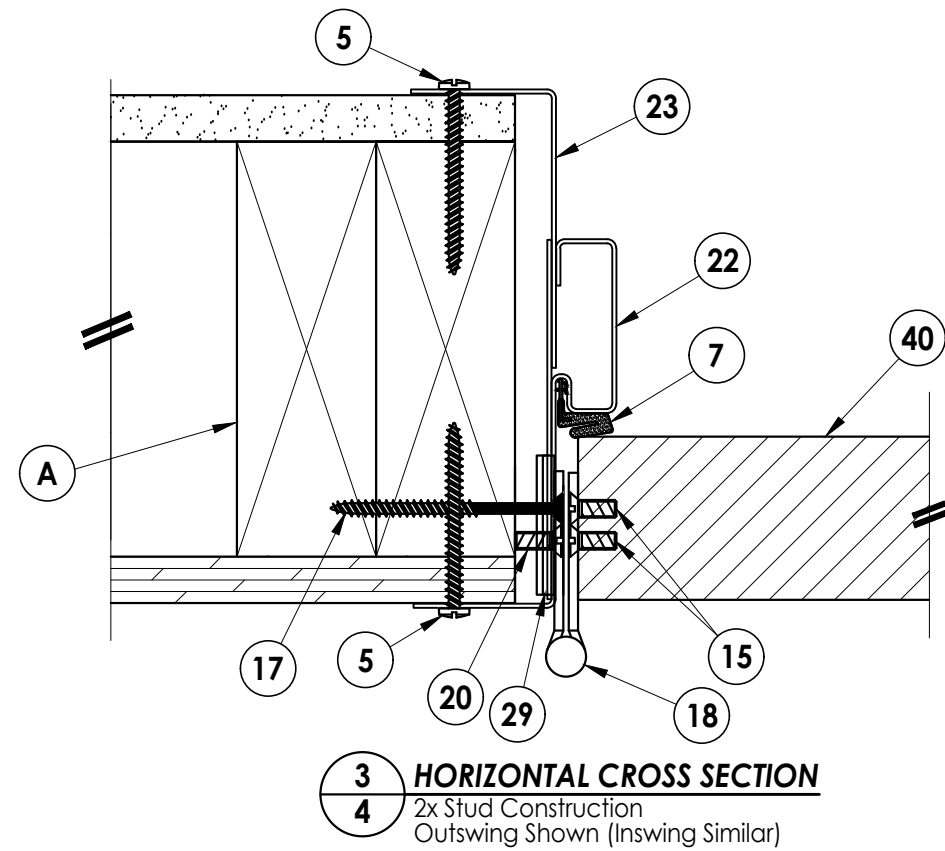
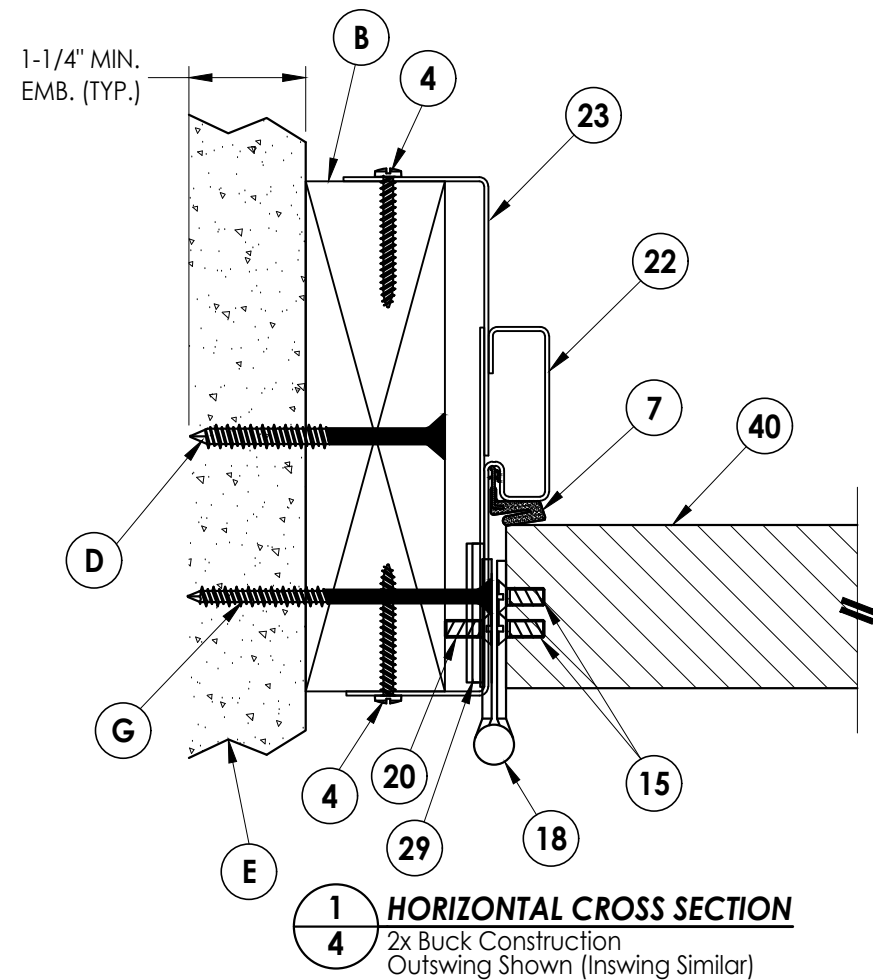
PRODUCT: IDP  
STEEL FRAME (K2A-SERIES)

PART OR ASSEMBLY:

ELEVATION &amp; CORNER DETAILS

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

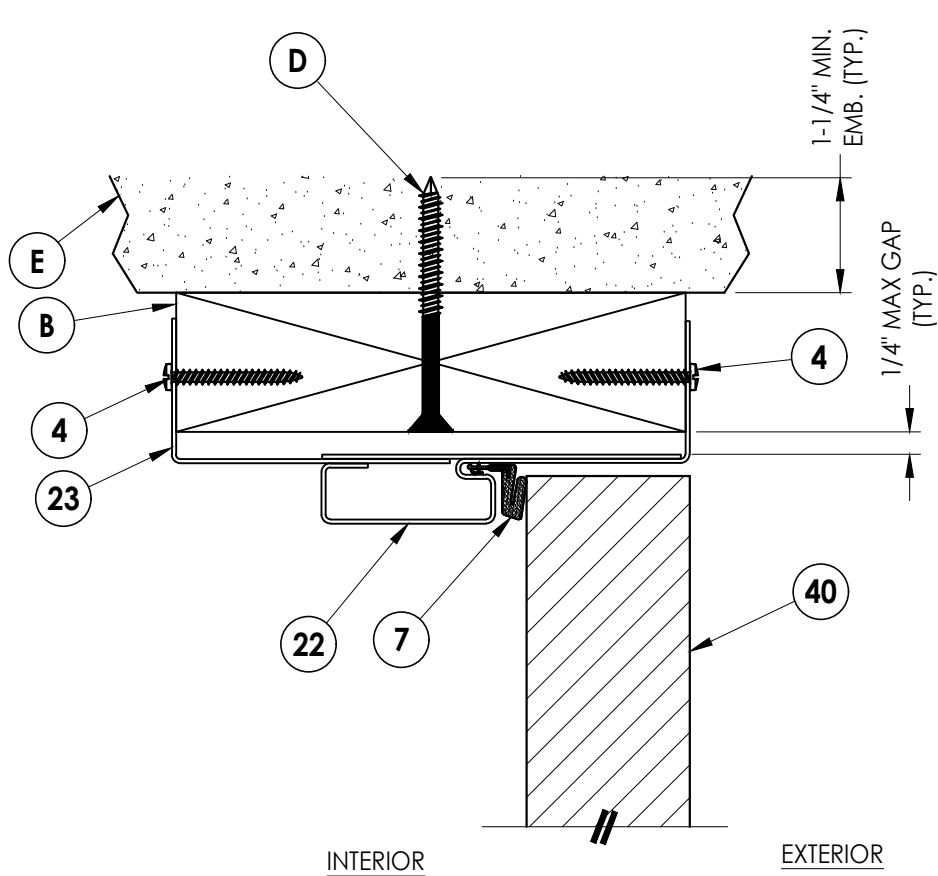
*R<sup>g</sup>W* BUILDING CO.  
P.O. Box 2  
Phone No.:  
FBPE Register

[illegible]

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

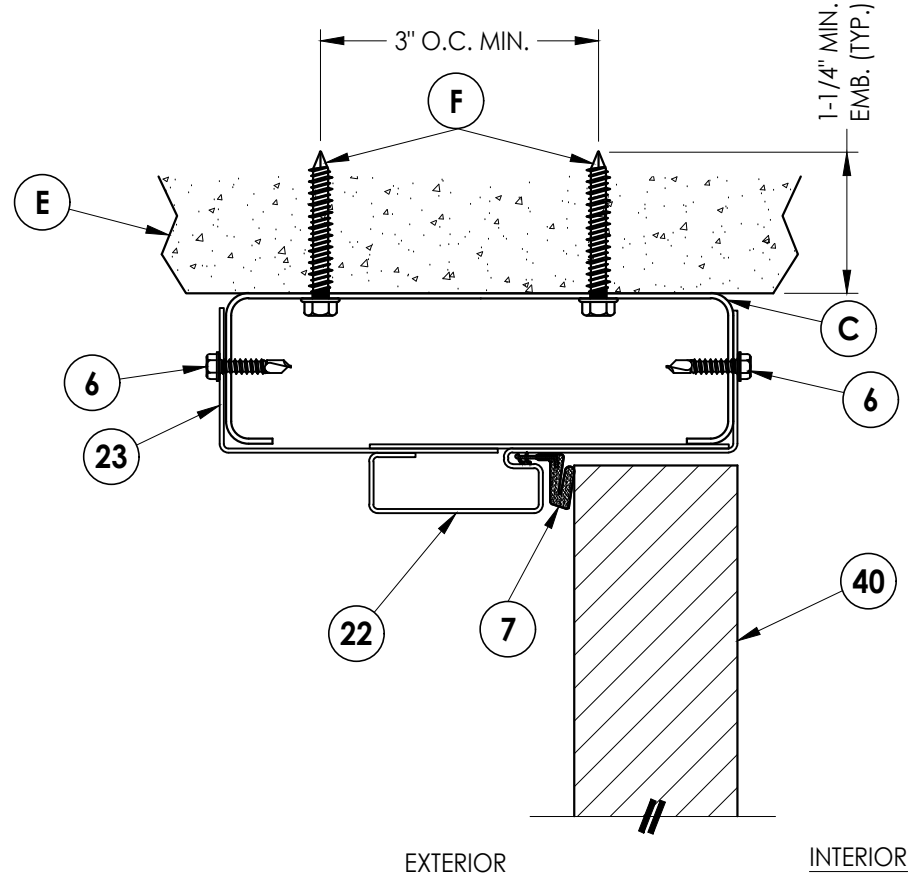
***R<sup>W</sup>*** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

Z:\2023 FBC Drawings\International Door Products\FL-31317 R2\FL-31317.2.dwg



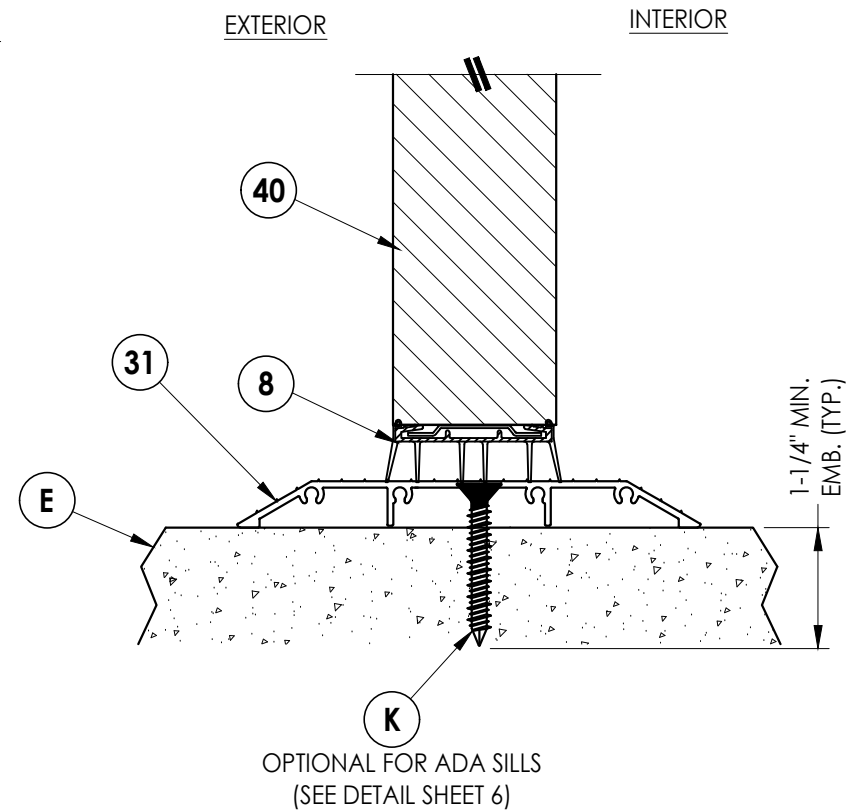
OPTIONAL FOR OUTSWING SILLS  
(SEE DETAIL SHEET 6)

**1**  
**5** **VERTICAL CROSS SECTION**  
Outswing Shown



OPTIONAL FOR INSWING SILLS  
(SEE DETAIL SHEET 6)

**2**  
**5** **VERTICAL CROSS SECTION**  
Inswing Shown



OPTIONAL FOR ADA SILLS  
(SEE DETAIL SHEET 6)

**3**  
**5** **VERTICAL CROSS SECTION**

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

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

PRODUCT:  
IDP  
STEEL FRAME (K2A-SERIES)

PART OR ASSEMBLY:  
VERTICAL CROSS SECTIONS

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 2   | 7/19/23 | UPDATE TO 8TH ED. (2023) FBC |
| 1   | 8/31/20 | UPDATE TO 7TH ED. (2020) FBC |

DATE: 1/22/20

SCALE: N.T.S.

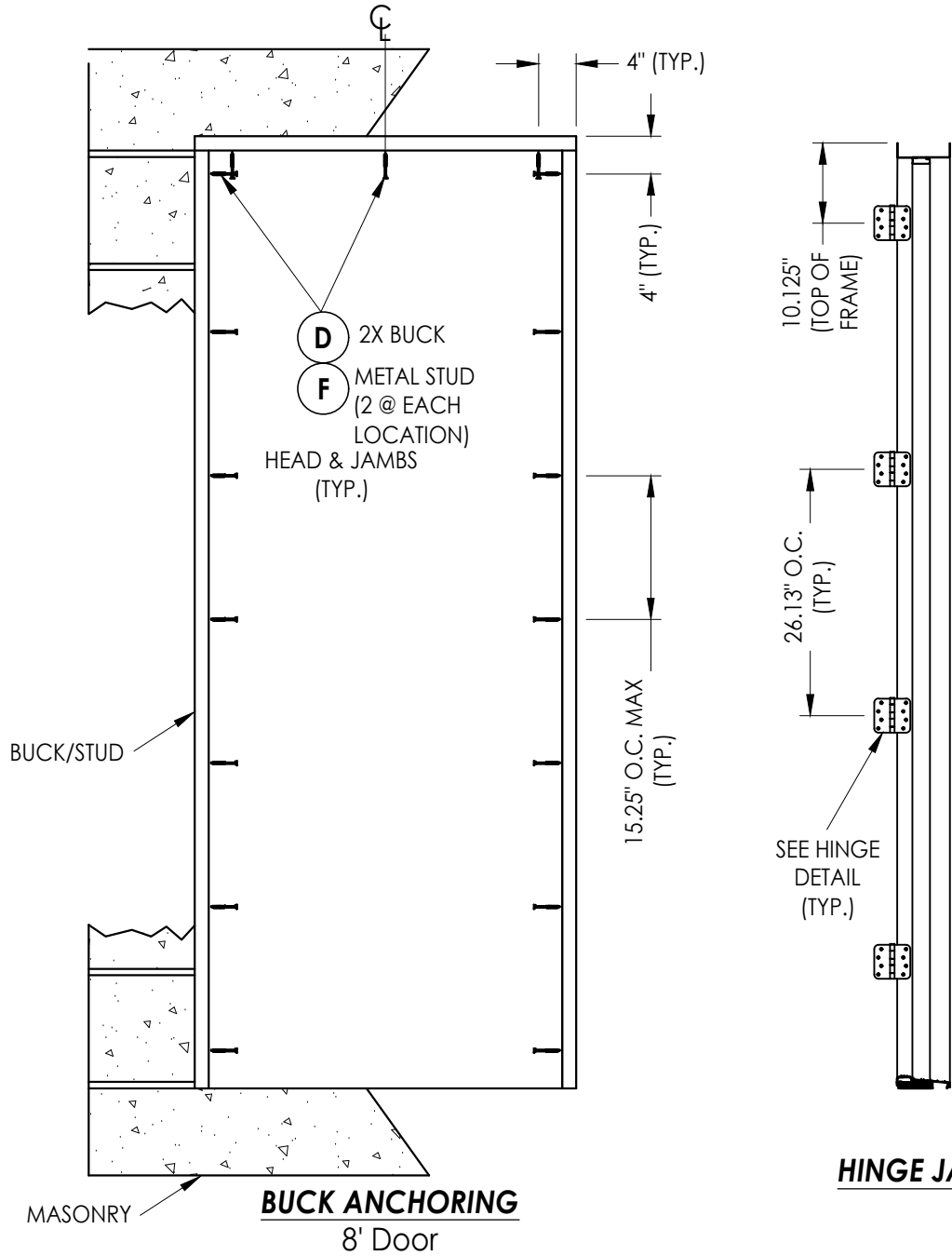
DWG. BY: RW

CHK. BY: LFS

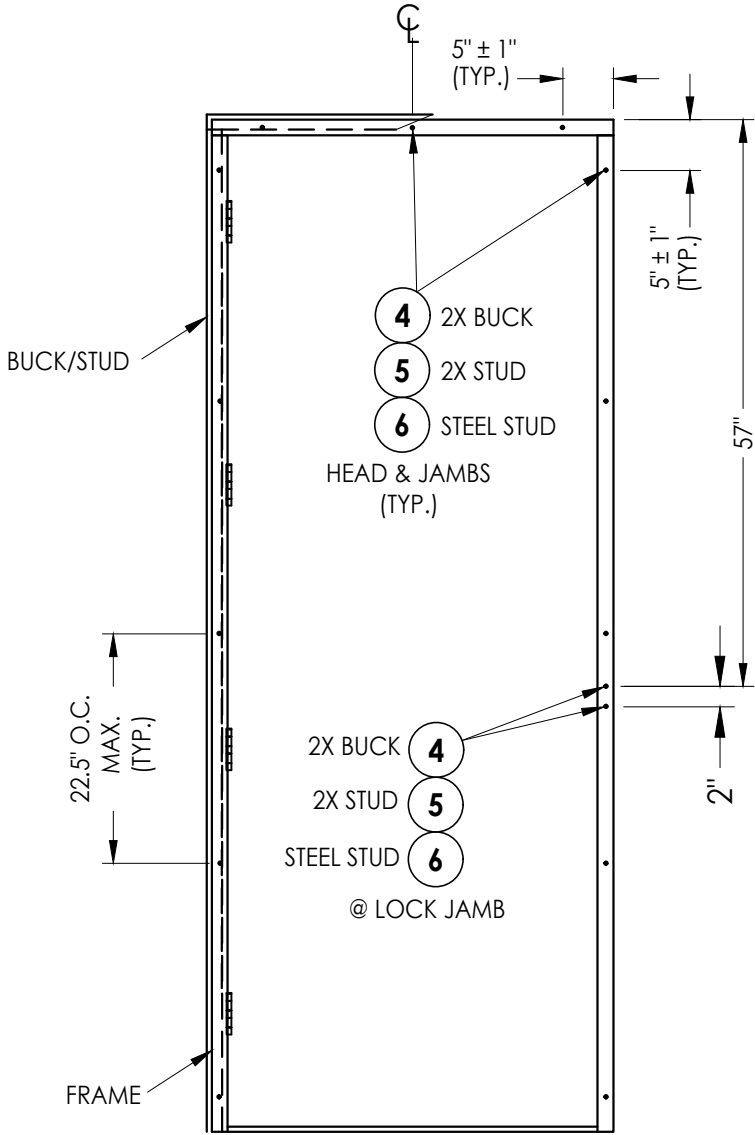
DRAWING NO.:  
FL-31317.2

SHEET 5 OF 7

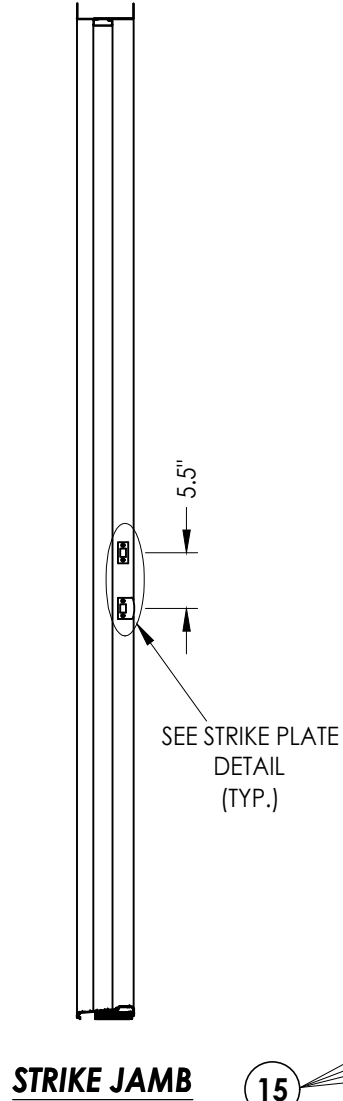
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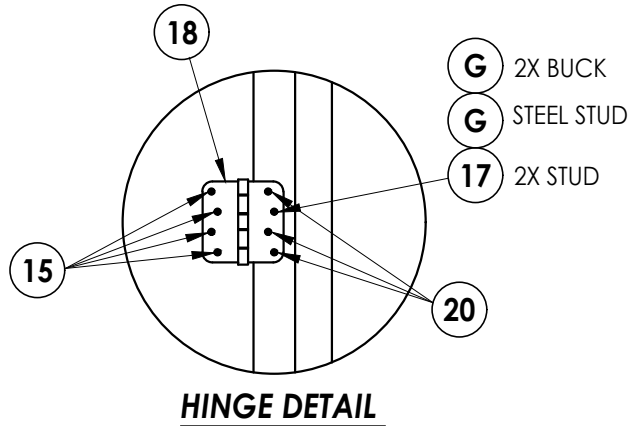
HINGE JAMB



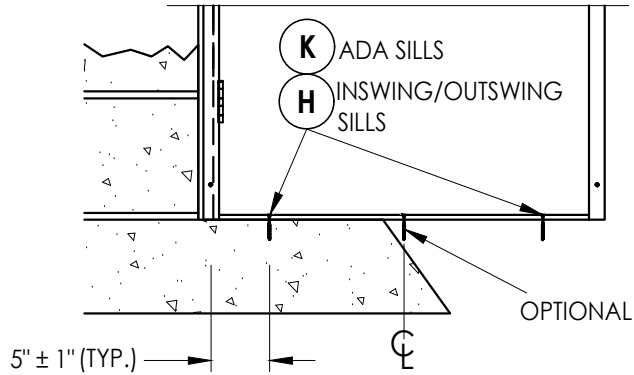
FRAME ANCHORING  
8' Door



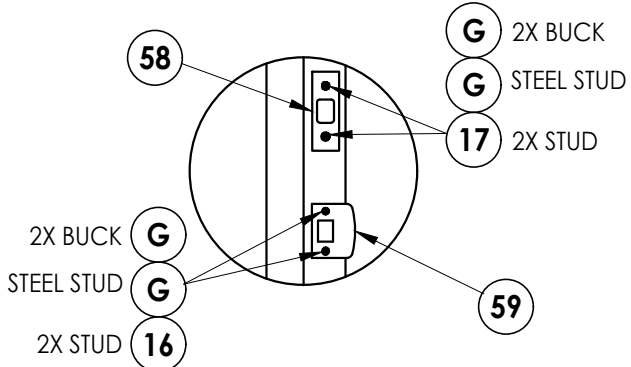
STRIKE JAMB



HINGE DETAIL



OPTIONAL SILL ANCHORING  
IN LIEU OF FRAME CORNER CONNECTIONS  
(SEE CORNER DETAIL - SHEET 3)



STRIKE PLATE DETAIL

CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

| ANCHOR TYPE       | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|-------------------|-------------|----------------|--------------------------------|-----------------------------------|
| ITW TAPCON®       | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| DeWALT ULTRAACON® | 1/4"        | 1-1/4"         | 2-1/2"                         | 4"                                |
| ITW TAPCON®       | 3/16"       | 1-1/4"         | 3"                             | 1-1/2"                            |

WOOD SCREW INSTALLATION NOTES:

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

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

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

PRODUCT:  
IDP  
STEEL FRAME (K2A-SERIES)

PART OR ASSEMBLY:  
BUCK & FRAME ANCHORING  
(8'-0" DOOR)

| NO. | DATE    | BY  | REVISIONS                    |
|-----|---------|-----|------------------------------|
| 2   | 7/19/23 | LFS | UPDATE TO 8TH ED. (2023) FBC |
| 1   | 8/31/20 | LFS | UPDATE TO 7TH ED. (2020) FBC |

DATE: 1/22/20

SCALE: N.T.S.

DWG. BY: RW

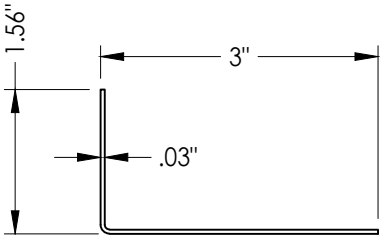
CHK. BY: LFS

DRAWING NO.: FL-31317.2

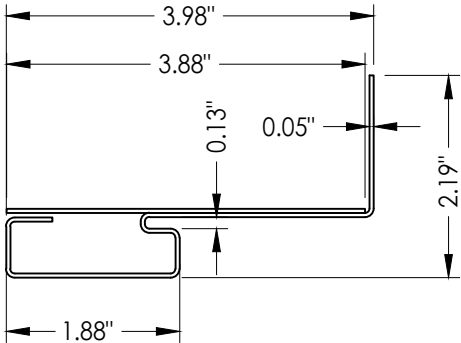
SHEET 6 OF 7

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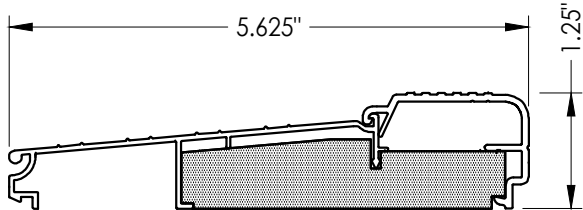
| BILL OF MATERIALS |                                                                                                                   |           |
|-------------------|-------------------------------------------------------------------------------------------------------------------|-----------|
| ITEM #            | DESCRIPTION                                                                                                       | MATERIAL  |
| A                 | 2X STUD FRAMING (SG>= 0.42)                                                                                       | WOOD      |
| B                 | 2X BUCK (SG >= 0.42)                                                                                              | WOOD      |
| C                 | METAL STUD (SSMA STUD 550S162-54, Fy = 33 ksi, Fu = 45 ksi)                                                       | STEEL     |
| D                 | 1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW                                                                    | STEEL     |
| E                 | MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90 OR ASTM A653 STEEL | CONCRETE  |
| F                 | 3/16" X 1-3/4" HWH ITW CONCRETE SCREW                                                                             | STEEL     |
| G                 | 3/16" X 3-1/4" DeWALT OR ITW PFH CONCRETE SCREW                                                                   | STEEL     |
| H                 | 1/4" X 2-1/4" DeWALT OR ITW PFH CONCRETE SCREW                                                                    | STEEL     |
| K                 | 1/4" X 1-3/4" DeWALT OR ITW PFH CONCRETE SCREW                                                                    | STEEL     |
| 4                 | #10 X 1-1/2" PPH SMS (1-1/4" MIN. EMBEDMENT)                                                                      | STEEL     |
| 5                 | #10 X 2" PPH SMS (1-1/4" MIN. EMBEDMENT)                                                                          | STEEL     |
| 6                 | #10 X 3/4" HWH SELF-DRILLING TEK SCREW (3 THREADS MUST PROTRUDE THRU STEEL)                                       | STEEL     |
| 7                 | WEATHERSTRIP                                                                                                      | -         |
| 8                 | DOOR SWEEP                                                                                                        | PVC       |
| 15                | 10-24 X 5/8" PFH MS                                                                                               | STEEL     |
| 16                | #8 X 2-1/2" PFH WOOD SCREW                                                                                        | STEEL     |
| 17                | #10 X 2-1/2" PFH WOOD SCREW                                                                                       | STEEL     |
| 18                | 4" X 4" HINGE                                                                                                     | STEEL     |
| 20                | 10-24 X 1/2" PFH MS                                                                                               | STEEL     |
| 22                | IDP (K2A-SERIES) EXTERIOR FRAME (18 GA. - A60 GALVANNEALED STEEL)                                                 | STEEL     |
| 23                | IDP (K2A-SERIES) INTERIOR FRAME (22 GA. - A60 GALVANNEALED STEEL)                                                 | STEEL     |
| 28                | LATCH & DEADBOLT REINFORCEMENT                                                                                    | STEEL     |
| 29                | HINGE REINFORCEMENT                                                                                               | STEEL     |
| 30                | INSWING THRESHOLD                                                                                                 | ALUM/COMP |
| 31                | ADA THRESHOLD                                                                                                     | ALUM      |
| 32                | OUTSWING THRESHOLD                                                                                                | ALUM/COMP |
| 40                | 8' DOOR - SEE DOOR PANEL DETAILS                                                                                  | -         |
| 58                | DEADBOLT STRIKE                                                                                                   | STEEL     |
| 59                | LATCH STRIKE                                                                                                      | STEEL     |



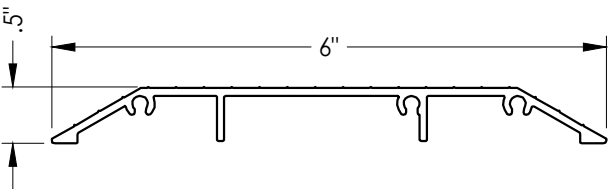
23 INTERIOR FRAME  
K2A -SERIES



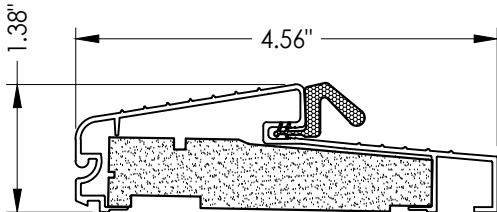
22 EXTERIOR FRAME  
K2A -SERIES



30 INSWING THRESHOLD  
AFCO A-280



31 ADA THRESHOLD  
AFCO A-202



32 OUTSWING THRESHOLD  
AFCO A-496

|                                                               |  |                                                                                                                    |     |
|---------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|-----|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |  | BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |     |
| PRODUCT:<br><br>IDP<br>STEEL FRAME (K2A-SERIES)               |  | PART OR ASSEMBLY:<br><br>BILL OF MATERIALS<br>& COMPONENTS                                                         |     |
|                                                               |  |                                                                                                                    | LFS |
|                                                               |  |                                                                                                                    | FBC |
|                                                               |  |                                                                                                                    | FBC |
|                                                               |  |                                                                                                                    | BY  |
|                                                               |  | REVISIONS                                                                                                          |     |
| DATE: 1/22/20                                                 |  |                                                                                                                    |     |
| SCALE: N.T.S.                                                 |  |                                                                                                                    |     |
| DWG. BY: RW                                                   |  |                                                                                                                    |     |
| CHK. BY: LFS                                                  |  |                                                                                                                    |     |
| DRAWING NO.: FL-31317.2                                       |  |                                                                                                                    |     |
| SHEET 7 OF 7                                                  |  |                                                                                                                    |     |