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INSTALLATION NOTES:

1.

ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2.

THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3.

INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4.

SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5.

FOR INSTALLATION INTO CONCRETE OR GROUT FILLED CMU, USE 3/8" DYNABOLT SLEEVE ANCHORS OF SUFFICIENT LENGTH TO ACHIVE A MINIMUM EMBEDMENT OF 1-1/2".
6.

FOR INSTALLATION INTO 2X WOOD BUCK, USE 3/8" LAG SCREWS SAE GRADE 5 TYPE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM EMBEDMENT OF 3".
7.

MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
8.

INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
9.

FOR GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
10.

INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
11.

INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A.

WOOD - MIN. SPECIFIC GRAVITY OF 0.55.

B.

CONCRETE -MIN. COMPRESSIVE STRENGTH OF 3000 PSI.

C.

MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MIN. COMPRESSIVE STRENGTH = 1.5 KSI.

GENERAL NOTES:

1.

THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:

•

ASTM E330-14

•

ASTM E1886-13a

•

ASTM E1996-14a
2.

ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3.

1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND ANCHOR LAYOUT IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4.

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5.

THIS PRODUCT IS LARGE AND SMALL MISSILE IMPACT RESISTANT APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONES 4 OR LESS.
6.

DOOR PANEL MATERIAL: 16 GA. (0.063"), 14 GA. (0.0785), OR 12 GA. (0.108") A60 GALVANIZED OR STAINLESS STEEL  
DOOR FRAME MATERIAL(UNDER SEPARATE APPROVAL): SINGLE UNITS - 16 GA. (0.063"), 14 GA. (0.0785), OR 12 GA. (0.108") A60 GALV. OR STAINLESS STEEL  
PAIR UNITS - 14 GA. (0.078") OR 12 GA. (0.108") STAINLESS STEEL
7.

DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X:

ACTIVE PANEL

O:

INACTIVE PANEL

STEEL DOOR CONSTRUCTION:

THE OVERALL PANEL THICKNESS IS 1 3/4 INCH THICK. THE DOOR LEAF IS CONSTRUCTED FROM 16 GA. (0.063"), 14 GA. (0.0785), OR 12 GA. (0.108") A60 GALVANIZED OR STAINLESS STEEL SHEETS. VERTICAL 22 GA. STEEL HAT CHANNEL STIFFENERS ARE LOCATED 6" FROM EACH END AND 6" ON CENTER. STEEL HAT CHANNEL STIFFENERS ARE SPOT WELDED TO EACH DOOR FACE SHEET WITH ENDS OF THE STIFFENERS WELDED TOGETHER. VERTICAL EDGES OF THE DOOR LEAF SHEETS ARE SPOT WELDED BETWEEN HARDWARE REINFORCEMENTS TO 12 GA. FULL LENGTH CHANNEL AND ARE CONTINUOUSLY ARC WELDED TOGETHER. TOP AND BOTTOM CHANNELS ARE MIN. 15 GA. STEEL AND ARE WELDED TO EACH FACE SHEET 3" O.C. OPTIONAL FLUSHING CHANNELS ARE 18 GA. STEEL AND ARE LOCATED AT TOP AND BOTTOM RAILS. HINGE REINFORCEMENTS ARE LOCATED AT EACH HINGE LOCATION AND ARE 7. GA. STEEL TABS. LATCHING AND EXIT DEVICE HARDWARE REINFORCEMENTS ARE USED WHEN APPLICABLE.

ALTERNATE CONSTRUCTION:

STEEL STIFFENERS MAY BE SPOT WELDED TO LINER PANELS (RATHER THAN DIRECT TO DOOR SKINS) AND THIS SUBASSEMBLY THEN SANDWICHED WITHIN THE DOOR SKINS. LINER PANELS ARE SAME MATERIAL/THICKNESS AS MATING DOOR SKIN. STIFFENER SECUREMENT TO LINER PANELS IS THE SAME AS DESCRIBED ABOVE. TOP AND BOTTOM EDGES OF LINER PANELS WELDED TO DOOR. LINER PANELS MAY ALSO BE SECURED TO DOOR SKINS WITH RECOGNIZED (E61941) 3M SCOTCH-WELD EPOXY DP100 FR ADHESIVE. LINER SURFACES SHALL BE CLEANED/DEGREASED AND COARSENEED PRIOR TO APPLICATION OF EPOXY TO ASSURE PROPER BOND OF METAL SURFACES.

FRAME CONSTRUCTION (UNDER SEPARATE APPROVAL):

DOOR FRAMES SHALL BE CONSTRUCTED FROM 16 GAUGE (0.063"), 14 GA. (0.0785), OR 12 GAUGE (0.108") FOR SINGLE UNITS AND 14 GAUGE (0.078") OR 12 GAUGE (0.108") FOR PAIR UNITS A60 GALVANIZED OR STAINLESS STEEL. FRAME PIECES ARE WELDED TOGETHER IN ACCORDANCE WITH HMMA 861-06. FRAMES ARE PREPPED WITH PIPE ANCHOR STRAPS OF EQUIVALENT GAUGE THICKNESS TO THE FRAME AT EACH ANCHOR LOCATION WELDED IN PLACE. 3/16" X 10" 7 GA. HINGE REINFORCEMENT IS LOCATED AT EACH HINGE LOCATION. LOCK STRIKE REINFORCEMENTS ARE USED WHEN APPLICABLE.

# NATIONAL CUSTOM HOLLOW METAL

## OUTSWING FLUSH STEEL COMMERCIAL DOOR

### (WZ4)(IMPACT)

| FLORIDA BUILDING CODE DESIGN PRESSURES |                                                                       |                                                                                |                                                         |
|----------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------|
| CONFIGURATION                          | *WHERE WATER INFILTRATION IS NOT REQUIRED OR IS PROTECTED BY OVERHANG | WHERE WATER INFILTRATION REQUIREMENT IS NEEDED OR IS NOT PROTECTED BY OVERHANG | MISSILE IMPACT RATING                                   |
| SINGLE                                 | SEE SHEET 9 FOR DP AND LATCHING HARDWARE OPTIONS                      | N/A                                                                            | LARGE AND SMALL MISSILE IMPACT TESTED                   |
| PAIR                                   |                                                                       |                                                                                | LMI RATING - WIND ZONE 4 MISSILE LEVEL D (9 LB, 50 FPS) |

\*NOTE: UNIT SHALL BE INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG RATIO (OH) = OH LENGTH /OH HEIGHT GREATER THAN 1.

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LIGHT KIT OPTION (UNDER SEPARATE APPROVAL):

DOORS MAY BE PREPARED FOR INSTALLATION OF A CLASSIFIED ANEMOSTAT MODEL STORMPRO HR OR HR-G VISION LIGHT KIT. SUCH DOORS SHALL INCLUDE THE ADDITION OF 14 GAUGE STEEL REINFORCING CHANNELS SIZED TO THE LIGHT KIT DIMENSIONS. THE MAXIMUM SIZE LIGHT KIT IS 23" WIDE BY 59" HIGH. THE MINIMUM EDGE DISTANCE BETWEEN VISION LIGHT AND EDGES OF DOOR SHALL BE 6 ½" AT SIDES AND 12 ½" AT TOP AND BOTTOM. LITES - ½" THICK HURRICANE GLASS MANUFACTURED BY ALUMAGLAZE, INSTALLED WITH 3M HRT-0900 GLAZING TAPE.

LOUVER OPTION (UNDER SEPARATE APPROVAL):

DOORS MAY BE PREPARED FOR INSTALLATION OF A CLASSIFIED ANEMOSTAT LOUVER. PREPARATIONS FOR THE LOUVER SHALL INCLUDE THE ADDITION OF 14 GAUGE STEEL CHANNELS SIZED TO LOUVER DIMENSIONS. LOUVER - ANEMOSTAT PLSL MODEL (MAX SIZE LOUVER IS 24" WIDE BY 60" HIGH). THE MINIMUM EDGE DISTANCE BETWEEN LOUVER AND EDGES OF DOOR SHALL BE 6" AT SIDES AND 12" AT TOP AND BOTTOM.



NATIONAL CUSTOM  
HOLLOW METAL  
1701 E 15th St.  
LITTLE ROCK, AR 72202

TITLE: OUTSWING FLUSH STEEL  
COMMERCIAL DOOR.  
(WZ4) (IMPACT)

INSTALLATION & GENERAL NOTES

PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15

MIAMI, FL 33132

PH: (954)399-8478

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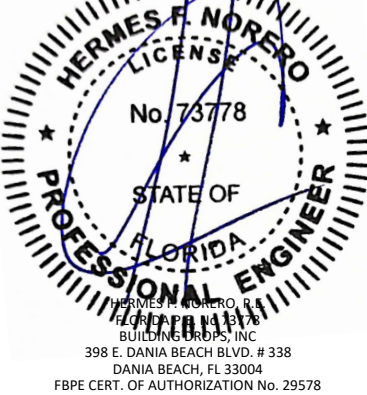
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Reason: I am approving this document  
Date: 2023.12.20 19:07:26 -05'00'



HERMES F. NORERO, P.E.  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION No. 29578

FL17823

DATE: 10.20.23

DWG. BY:  
SH

CHK. BY:  
HFN

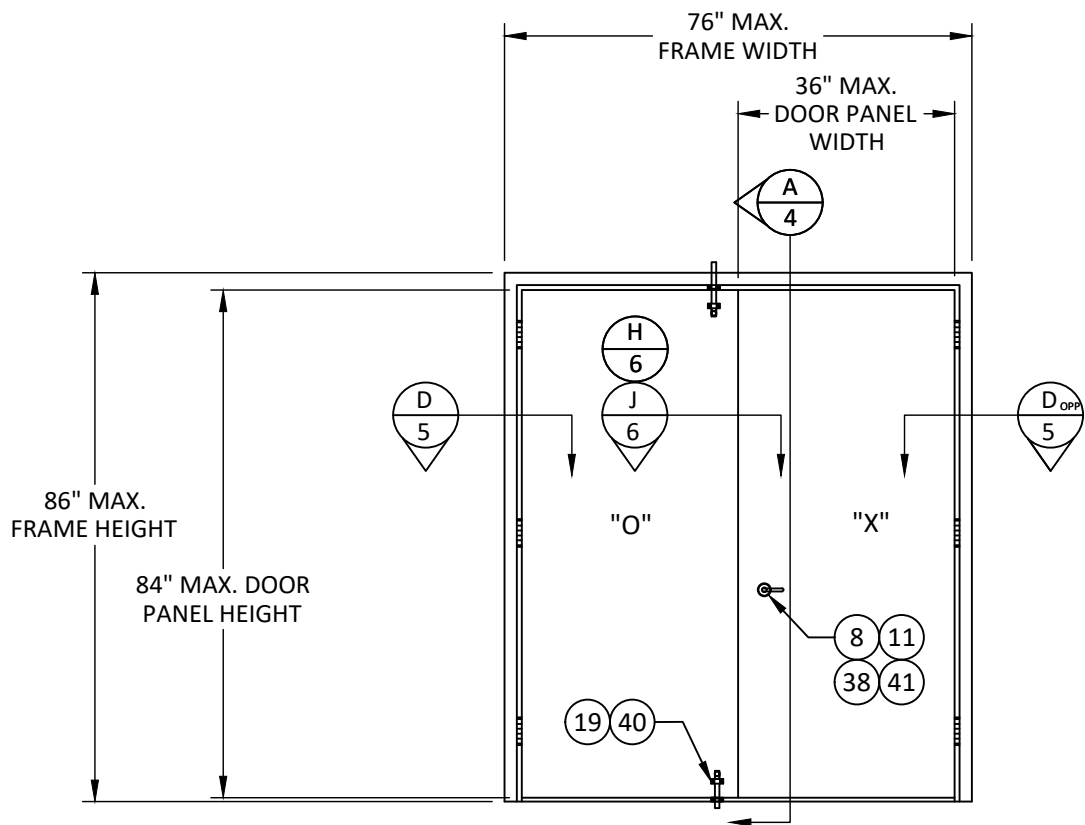
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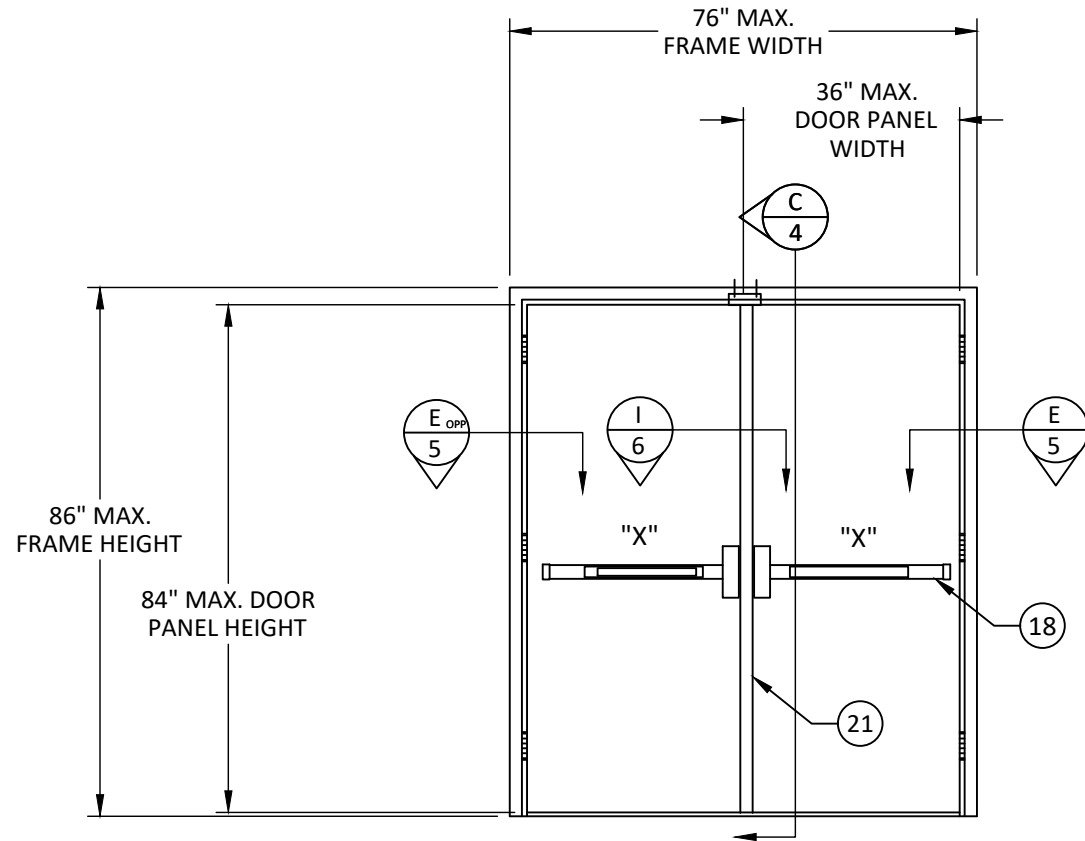
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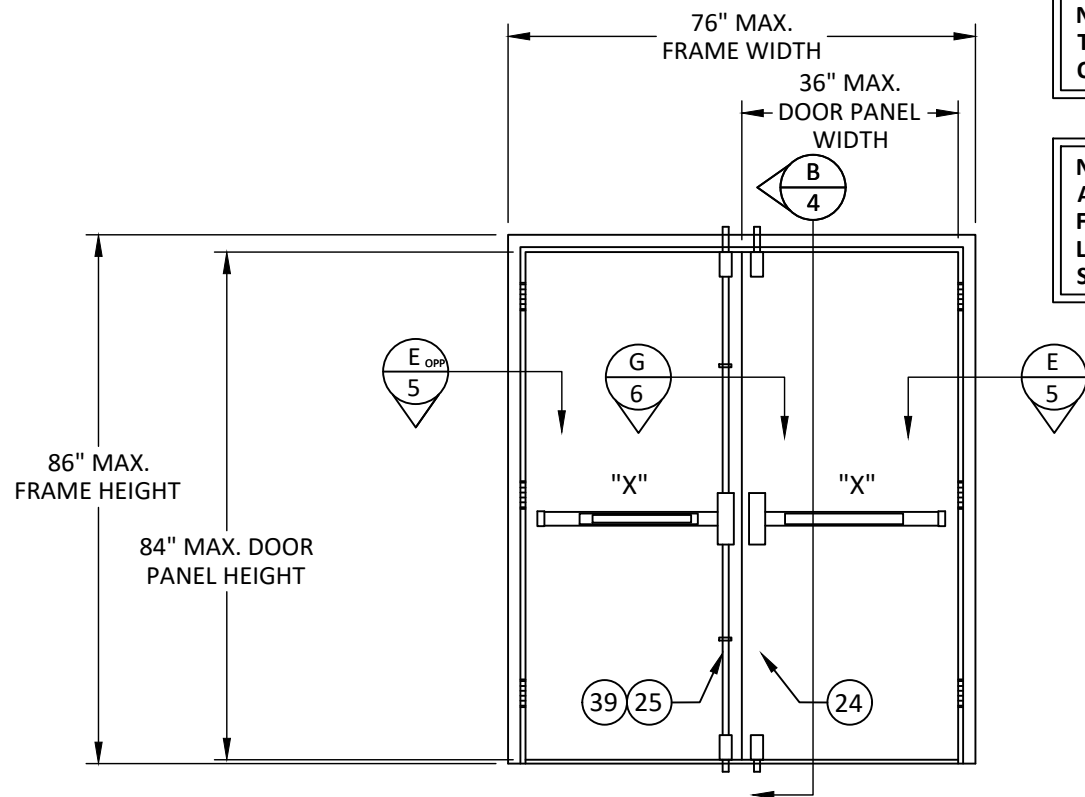
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**ELEVATION A**  
CYLINDRICAL LOCK (AS SHOWN) OR MORTISE LOCKSET  
WITH DEAD BOLT (NOT SHOWN) ON ACTIVE PANEL,  
5-POINT LOCK AND SURFACE BOLTS ON INACTIVE



**ELEVATION B**  
RIM EXIT DEVICES WITH  
REMOVABLE MULLION

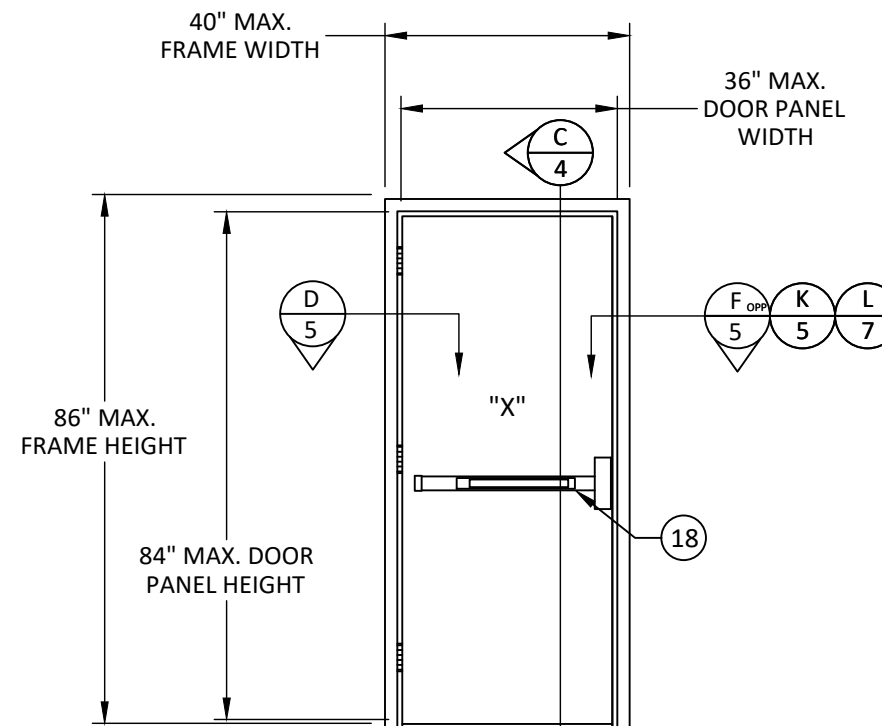


**ELEVATION C**  
RIM EXIT DEVICES WITH CONCEALED VERTICAL  
RODS OR SURFACE VERTICAL RODS

NOTE: MAXIMUM FRAME HEIGHT  
TO BE 88" WHEN COMPONENT 1A,  
OPTIONAL HEADER FRAME, IS USED.

NOTE: THIS IS A COMPONENT  
APPROVAL FOR NCHM DOORS.  
FRAMES, ANCHORING AND UL  
LISTED HARDWARE UNDER  
SEPARATE APPROVAL

NOTE: ALTERNATE QUALIFIED SINGLE  
DOOR HARDWARE OPTIONS INCLUDE  
CYLINDRICAL LOCK OR MORTISE LOCKSETS  
WITH DEADBOLT.



**ELEVATION D**  
RIM EXIT DEVICE

**NATIONAL**  
CUSTOM HOLLOW METAL DOORS & FRAMES

NATIONAL CUSTOM  
HOLLOW METAL  
1701 E 15th St.  
LITTLE ROCK, AR 72202

TITLE: OUTSWING FLUSH STEEL  
COMMERCIAL DOOR.  
(WZ4) (IMPACT)  
ELEVATIONS

PREPARED BY: BUILDING DROPS, INC.  
1900 NE MIAMI COURT, STE. 2-15  
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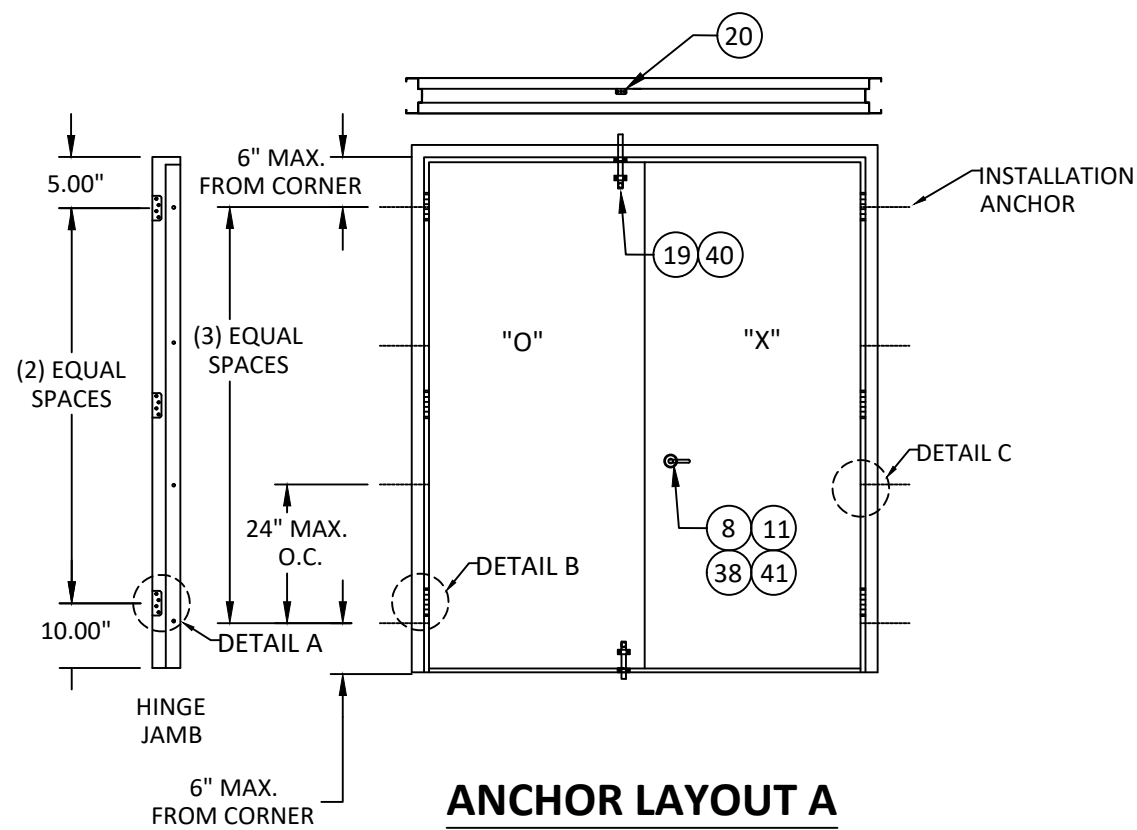
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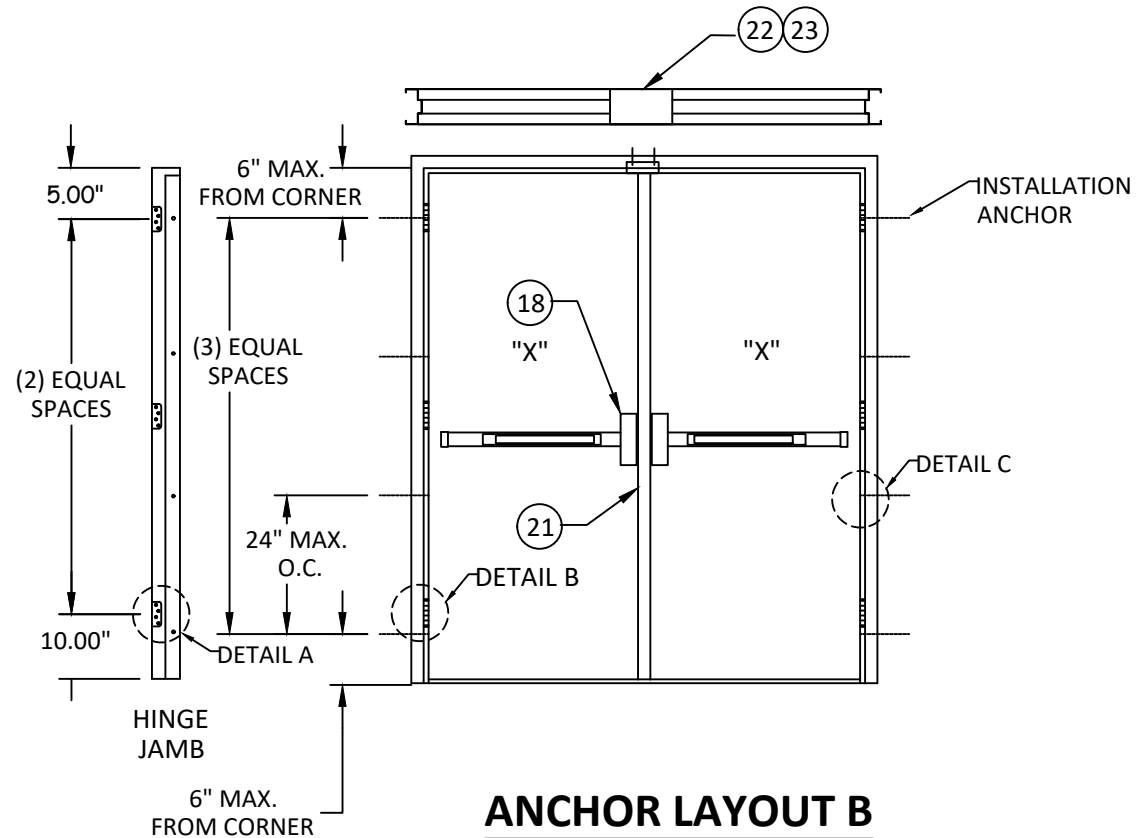
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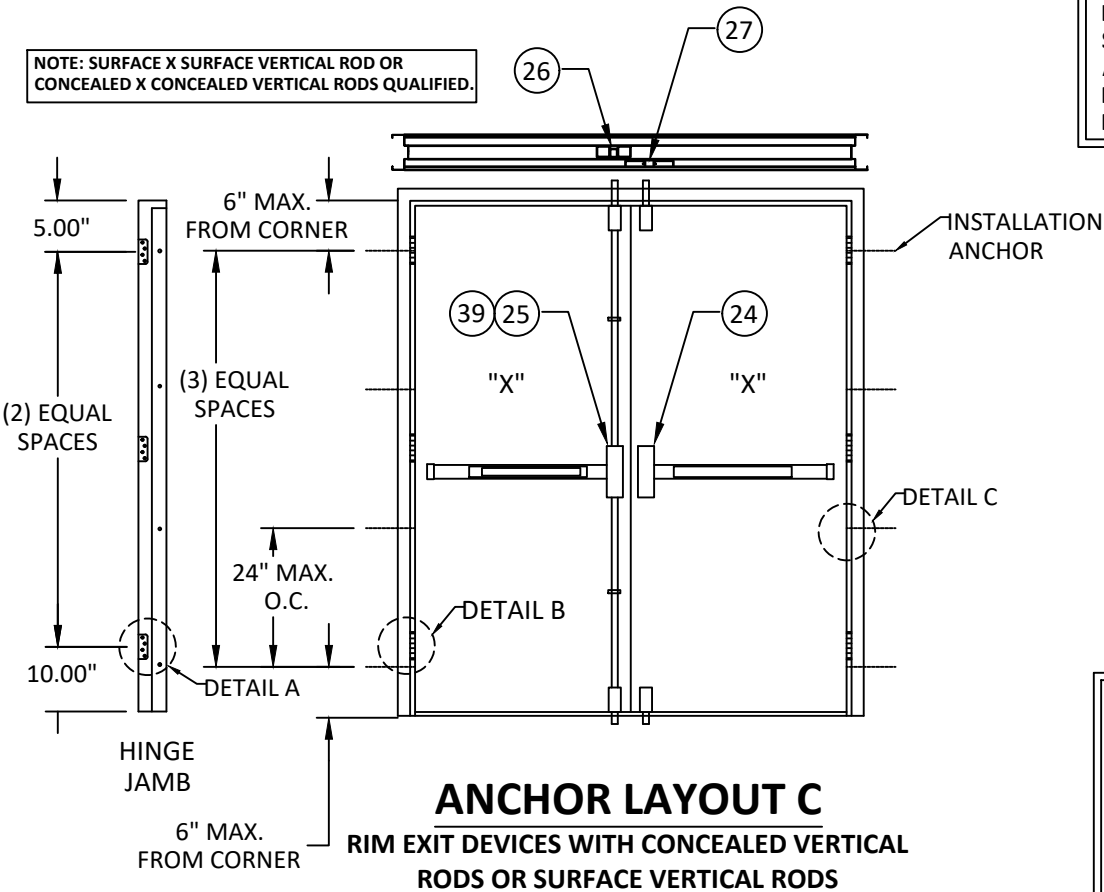


**ANCHOR LAYOUT A**  
CYLINDRICAL LOCK (AS SHOWN) OR MORTISE LOCKSET  
WITH DEAD BOLT (NOT SHOWN) ON ACTIVE PANEL,  
3-POINT LOCK, SURFACE BOLTS ON INACTIVE

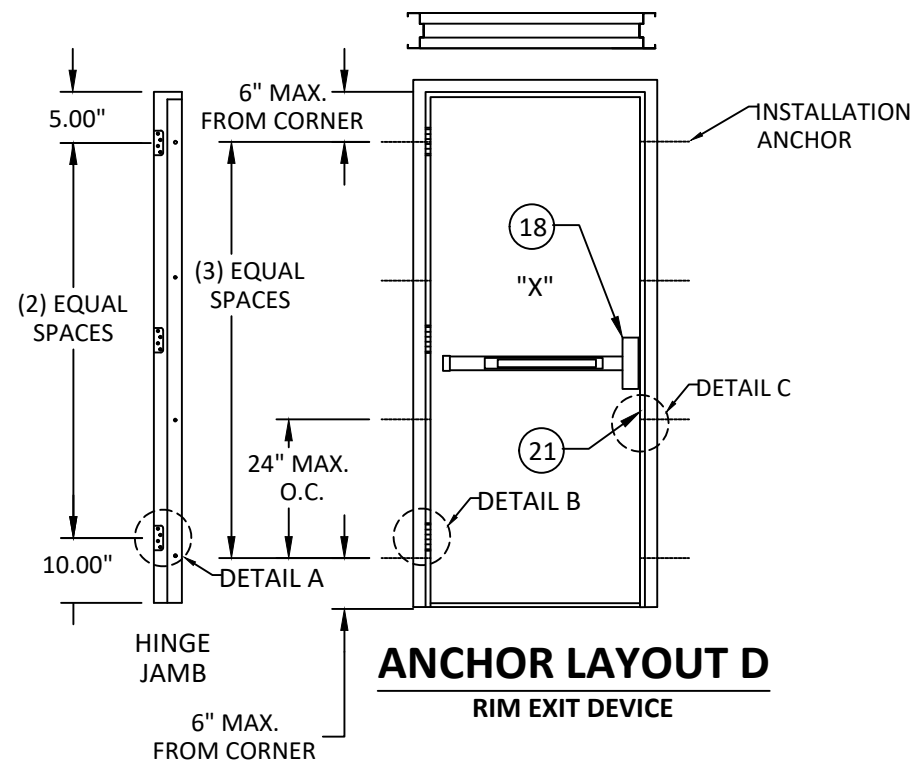


**ANCHOR LAYOUT B**  
RIM EXIT DEVICES WITH  
REMOVABLE MULLION

NOTE: THIS IS A COMPONENT  
APPROVAL FOR NCHM DOORS.  
FRAMES, ANCHORING AND UL  
LISTED HARDWARE UNDER  
SEPARATE APPROVAL. TYPICAL  
ANCHOR DETAILS SHOWN ON THIS  
PAGE, SEE DRAWING NCHM004 FOR  
FURTHER DETAILS.



**ANCHOR LAYOUT C**  
RIM EXIT DEVICES WITH CONCEALED VERTICAL  
RODS OR SURFACE VERTICAL RODS



**ANCHOR LAYOUT D**  
RIM EXIT DEVICE

- NOTES:
1. ALTERNATE QUALIFIED SINGLE DOOR  
HARDWARE OPTIONS INCLUDE  
CYLINDRICAL LOCK OR MORTISE  
LOCKSETS WITH DEADBOLT.
  2. SINGLE DOOR ANCHOR LAYOUT  
SHOWN APPLIES TO INSTALLATIONS  
WITH CYLINDRICAL LOCK AND  
MORTISE LOCKSETS WITH DEADBOLT.

**NATIONAL**  
CUSTOM HOLLOW METAL DOORS & FRAMES

NATIONAL CUSTOM  
HOLLOW METAL  
1701 E 15th St.  
LITTLE ROCK, AR 72202

TITLE: OUTSWING FLUSH STEEL  
COMMERCIAL DOOR.  
(WZ4) (IMPACT)

ANCHOR LAYOUTS & NOTES

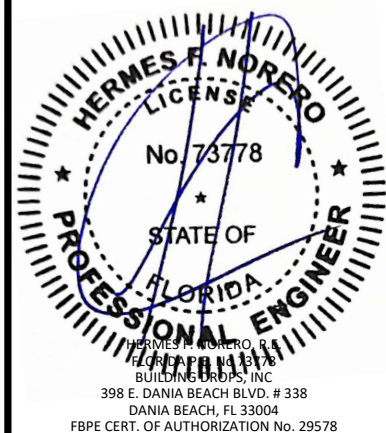
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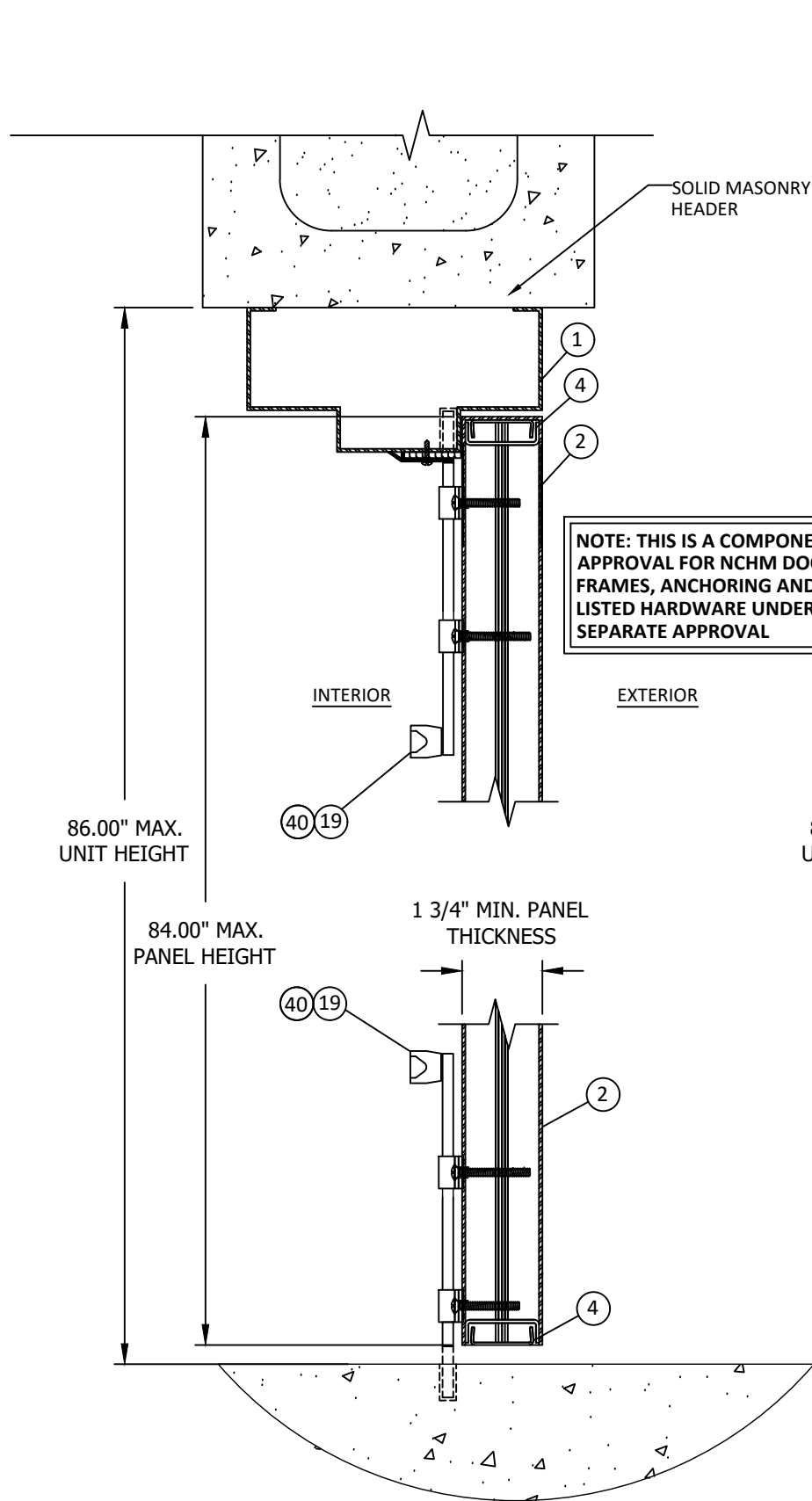
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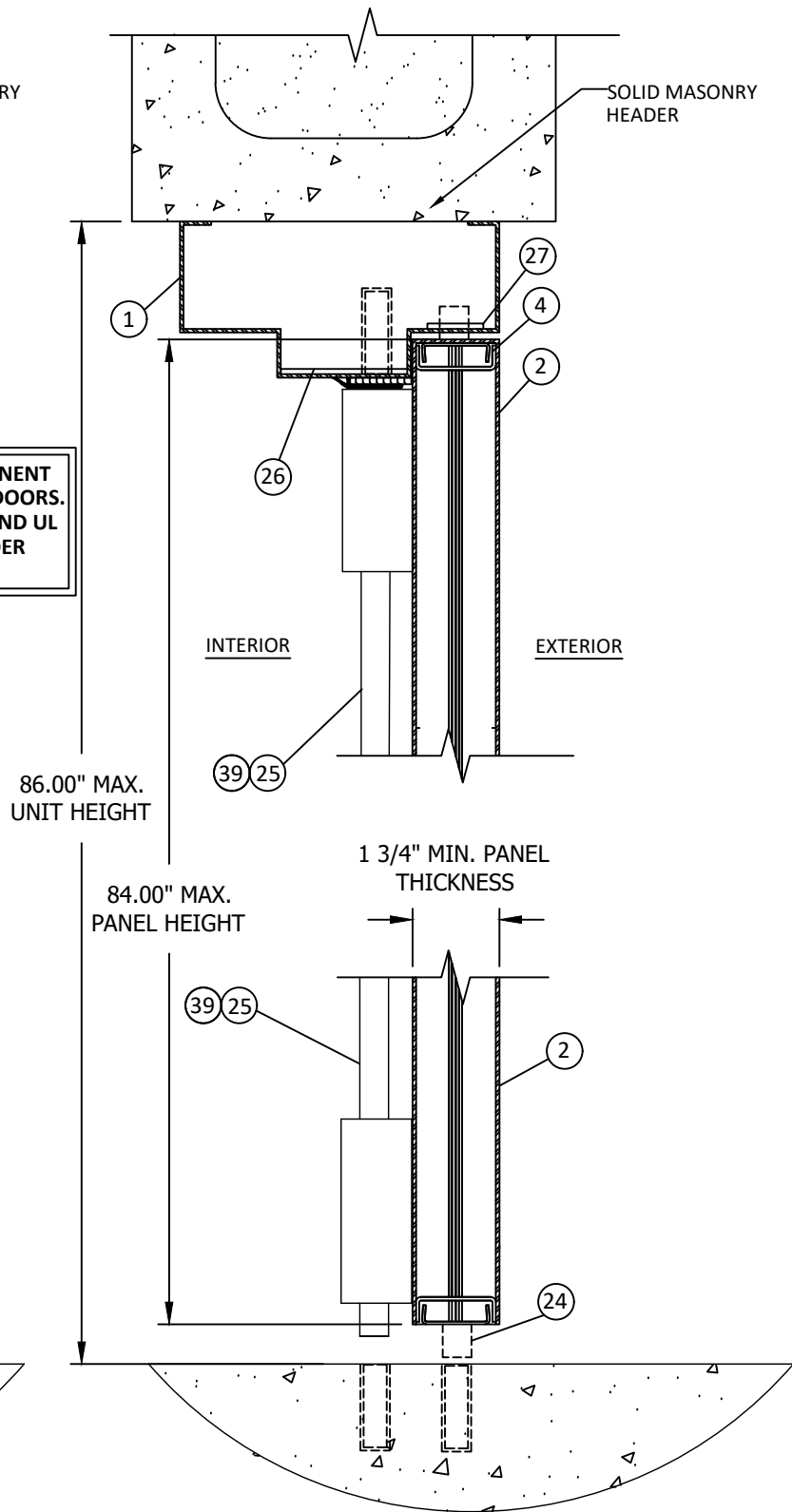
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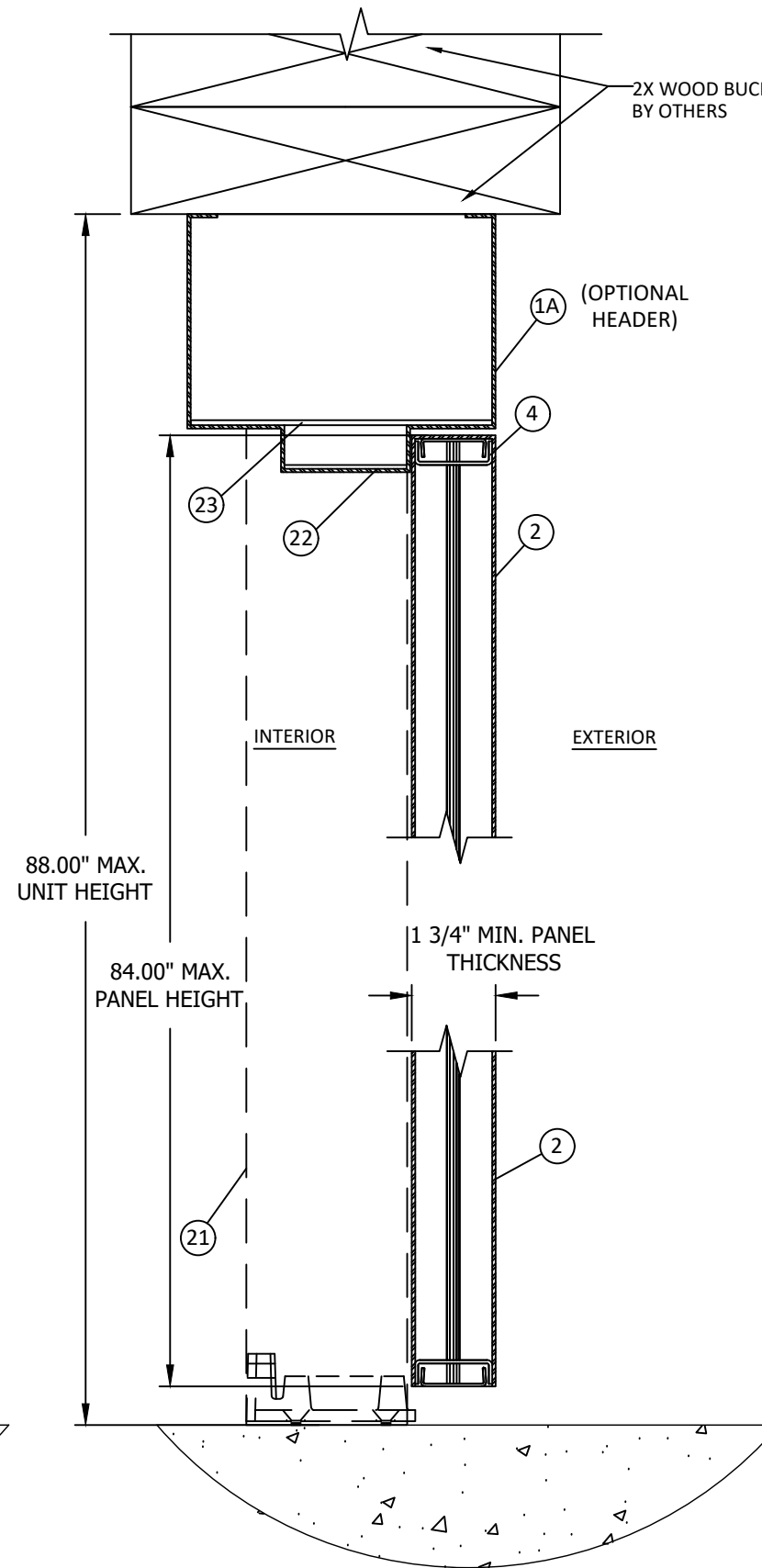
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**A**  
**4** **VERTICAL SECTION**  
HEAD/SILL - CONCRETE/MASONRY  
(MORTISE LOCK/  
CYLINDRICAL LOCK WITH SURFACE BOLTS)



**B**  
**4** **VERTICAL SECTION**  
HEAD/SILL - CONCRETE/MASONRY  
(SURFACE OR CONCEALED VERTICAL ROD)



**C**  
**4** **VERTICAL SECTION**  
HEAD - 2X WOOD FRAME  
SILL - CONCRETE  
(REMOVABLE MULLION)

**NATIONAL**  
CUSTOM HOLLOW METAL DOORS & FRAMES

NATIONAL CUSTOM  
HOLLOW METAL  
1701 E 15th St.  
LITTLE ROCK, AR 72202

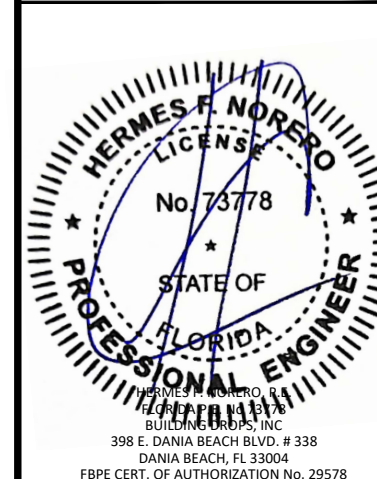
TITLE: OUTSWING FLUSH STEEL  
COMMERCIAL DOOR.  
(WZ4) (IMPACT)  
VERTICAL SECTIONS

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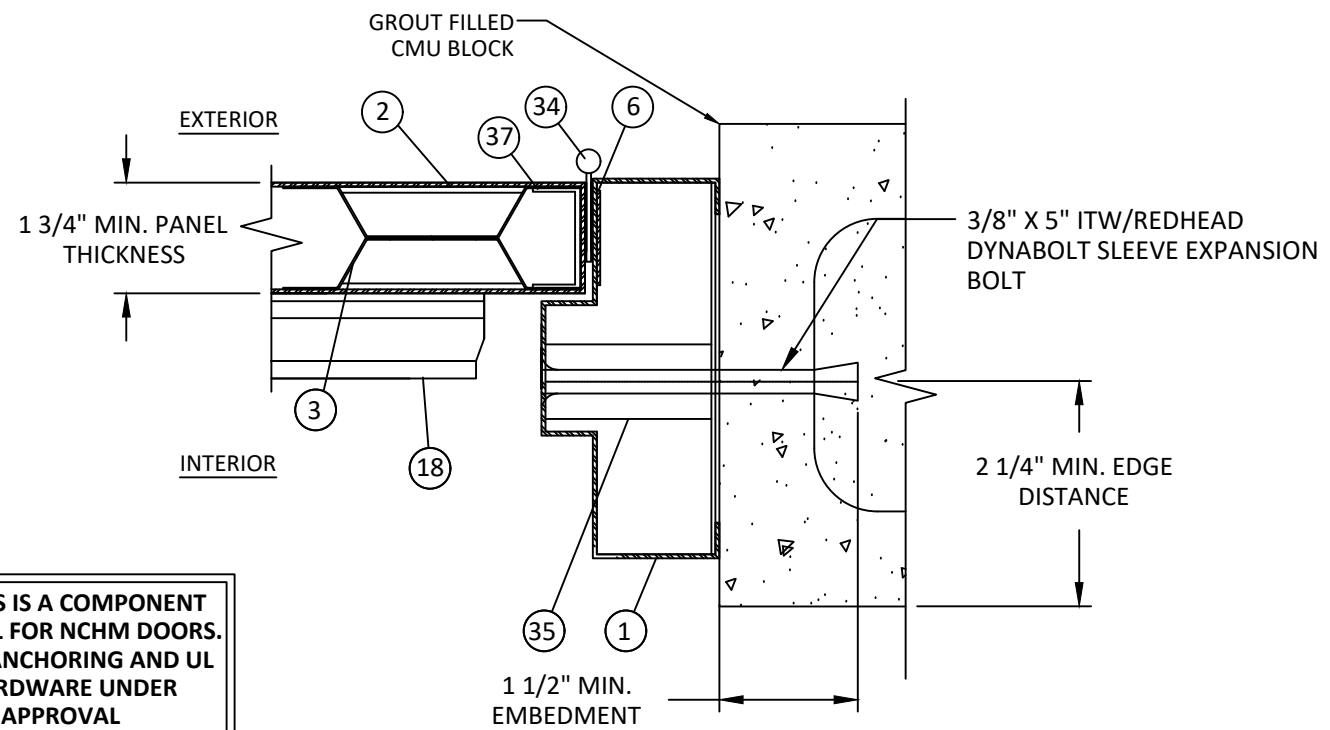
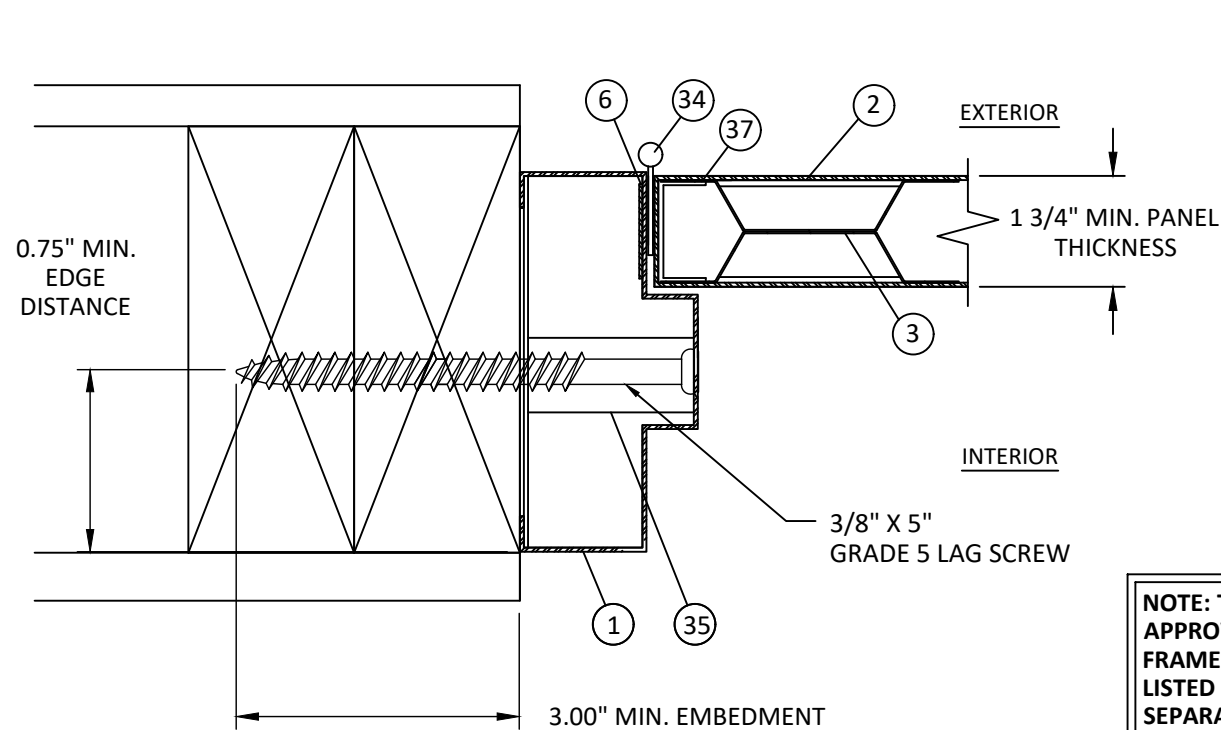
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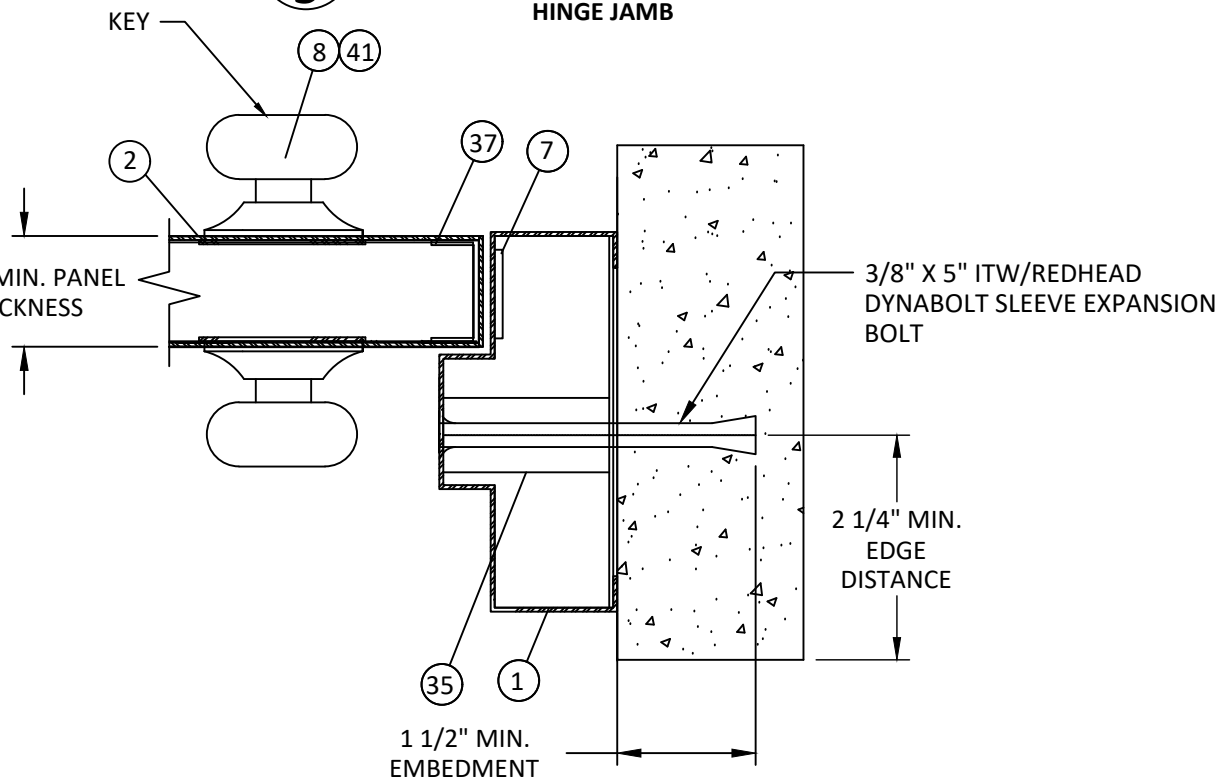
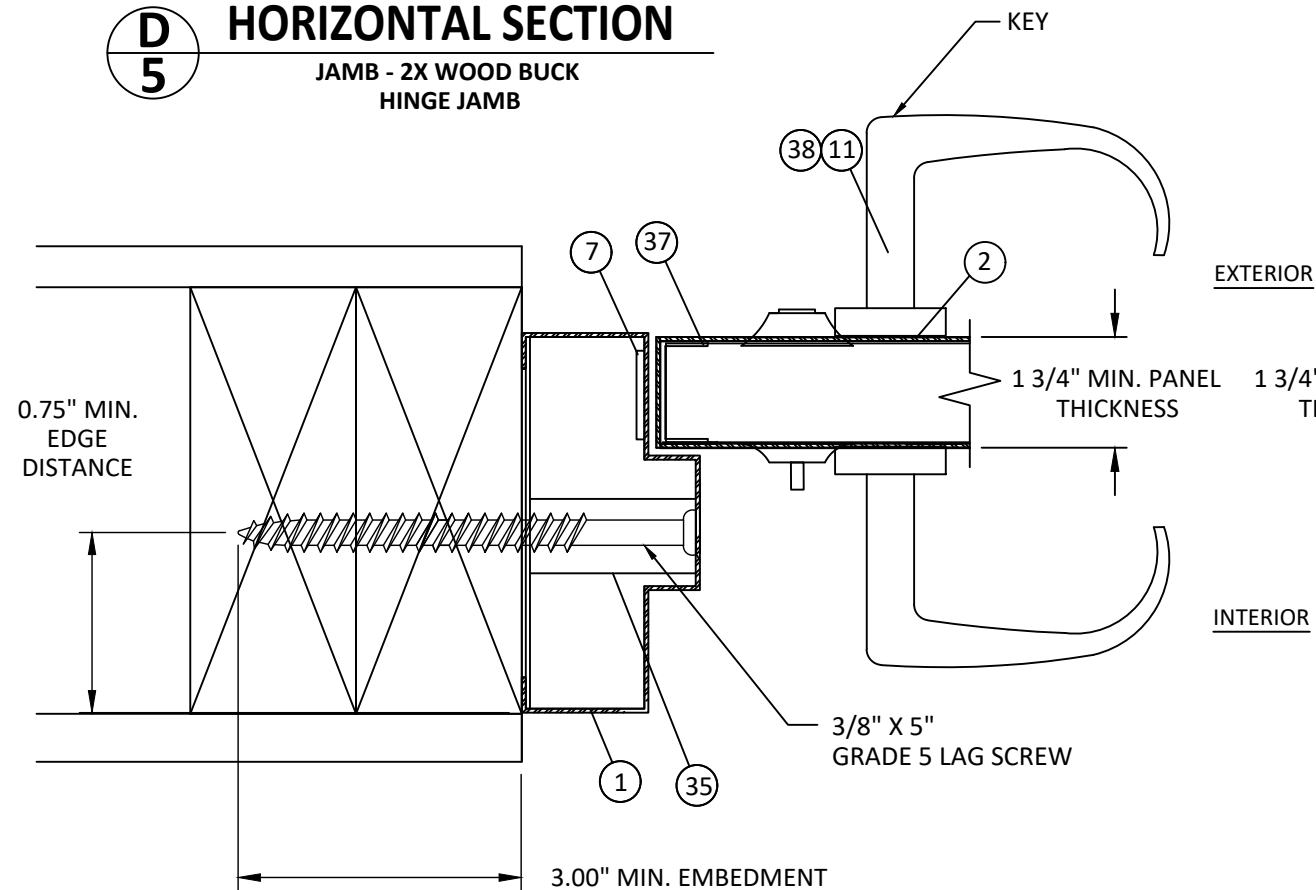
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NOTE: THIS IS A COMPONENT APPROVAL FOR NCHM DOORS. FRAMES, ANCHORING AND UL LISTED HARDWARE UNDER SEPARATE APPROVAL

**D**  
**5** **HORIZONTAL SECTION**  
JAMB - 2X WOOD BUCK  
HINGE JAMB

**E**  
**5** **HORIZONTAL SECTION**  
JAMB - CONCRETE/GROUT FILLED CMU  
HINGE JAMB



**F**  
**5** **HORIZONTAL SECTION**  
LOCK JAMB - 2X WOOD BUCK  
MORTISE LOCKSET WITH DEADBOLT

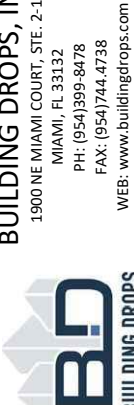
**K**  
**5** **HORIZONTAL SECTION**  
LOCK JAMB - CONCRETE  
CYLINDRICAL LOCK

**NATIONAL**  
CUSTOM HOLLOW METAL DOORS & FRAMES

NATIONAL CUSTOM  
HOLLOW METAL  
1701 E 15th St.  
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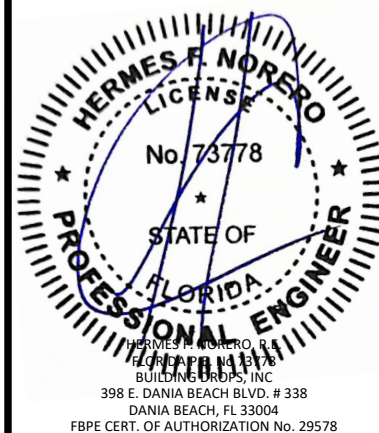
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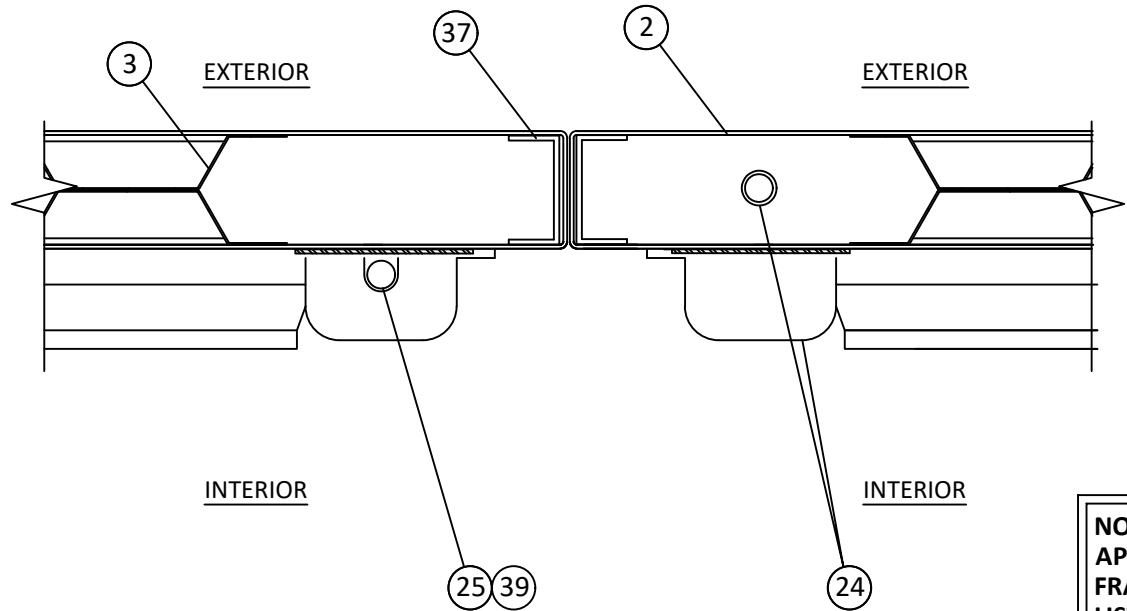
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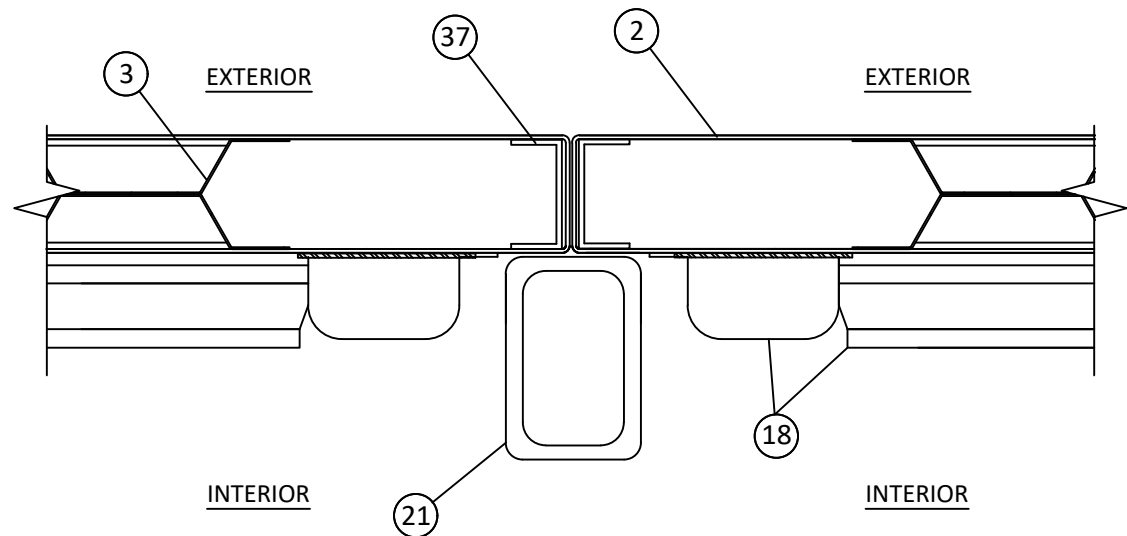
**FL17823**

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| DATE:    | 10.20.23 |
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| CHK. BY: | HFN      |
| SCALE:   | NTS      |
| DWG. #:  | NCHM003  |
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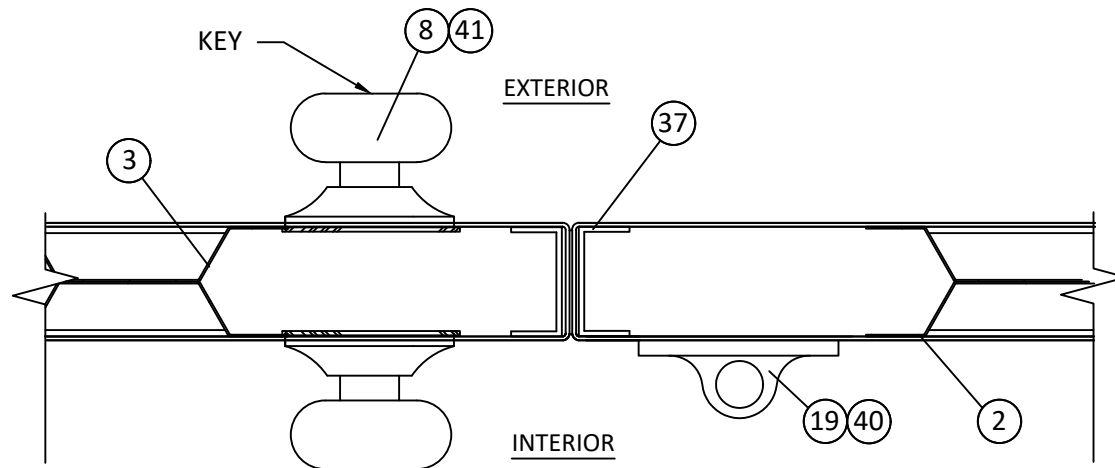


**G**  
**6** **HORIZONTAL SECTION**  
SURFACE/CONCEALED VERTICAL ROD

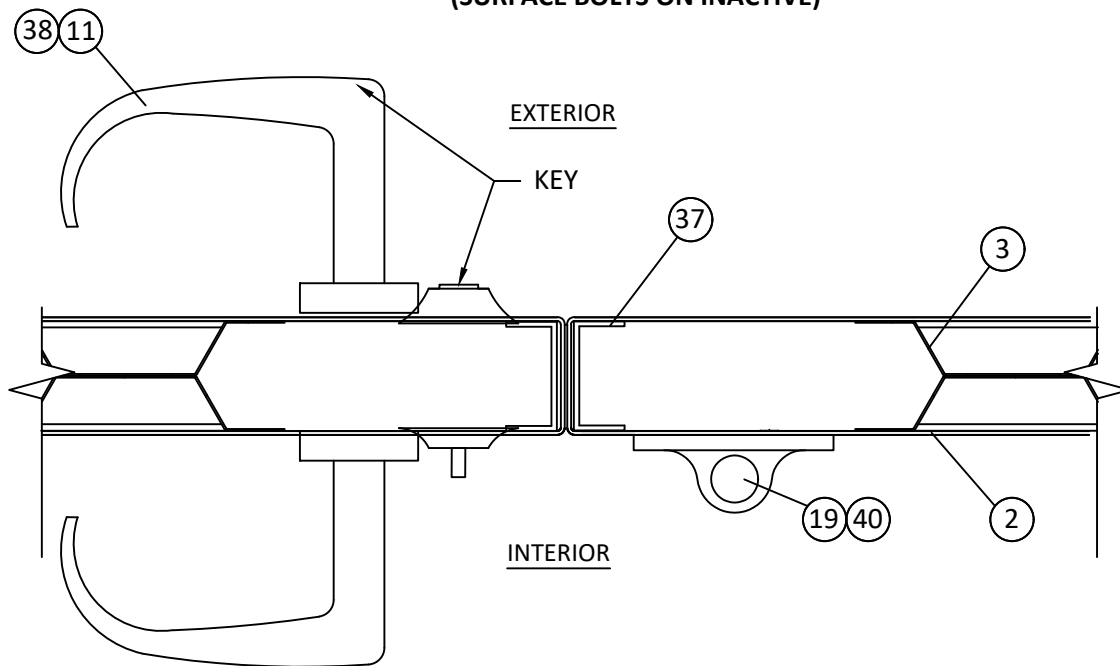


**I**  
**6** **HORIZONTAL SECTION**  
REMOVABLE MULLION

NOTE: THIS IS A COMPONENT  
APPROVAL FOR NCHM DOORS.  
FRAMES, ANCHORING AND UL  
LISTED HARDWARE UNDER  
SEPARATE APPROVAL



**H**  
**6** **HORIZONTAL SECTION**  
CYLINDRICAL LOCK  
(SURFACE BOLTS ON INACTIVE)



**J**  
**6** **HORIZONTAL SECTION**  
MORTISE LOCKSET WITH DEADBOLT  
(SURFACE BOLTS ON INACTIVE)

**NATIONAL**  
CUSTOM HOLLOW METAL DOORS & FRAMES

NATIONAL CUSTOM  
HOLLOW METAL  
1701 E 15th St.  
LITTLE ROCK, AR 72202

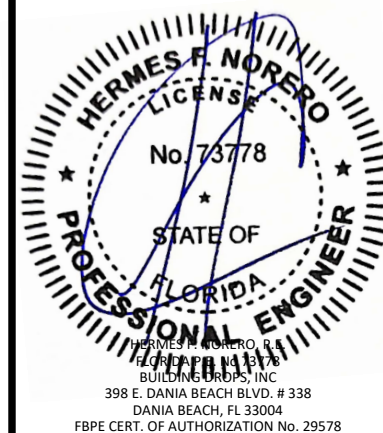
TITLE: OUTSWING FLUSH STEEL  
COMMERCIAL DOOR.  
(WZ4) (IMPACT)  
HORIZONTAL SECTIONS

PREPARED BY: BUILDING DROPS, INC.  
1900 NE MIAMI COURT, STE. 2-15  
MIAMI, FL 33132  
PH: (954)399-8478  
FAX: (954)744-4738  
WEB: www.buildingdrops.com



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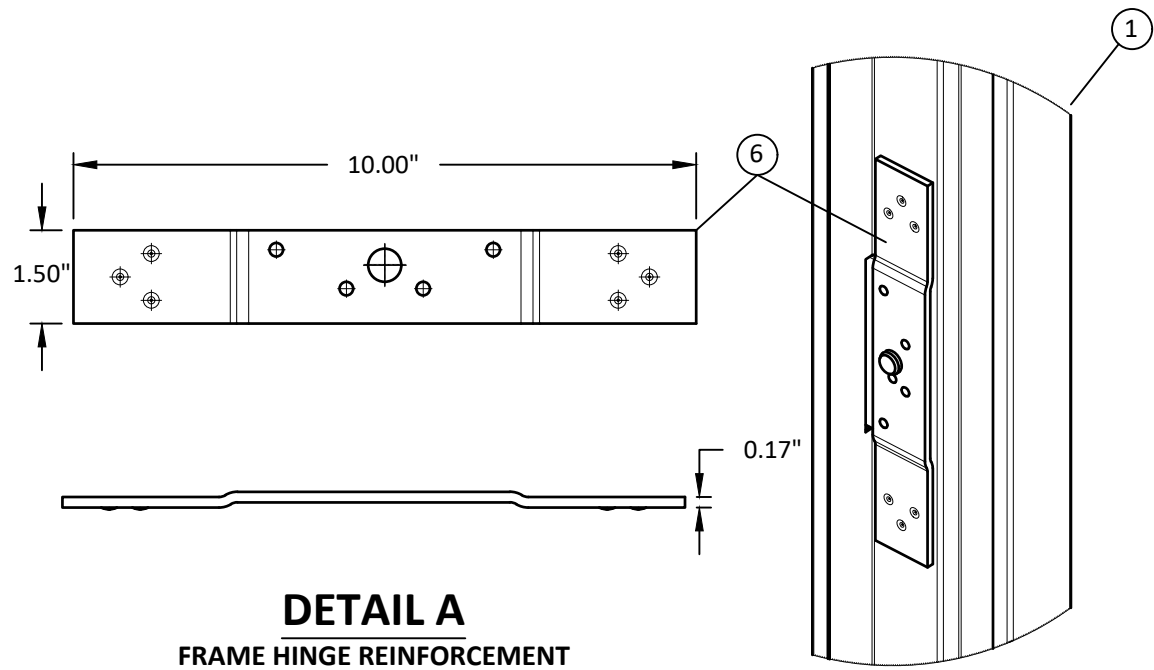
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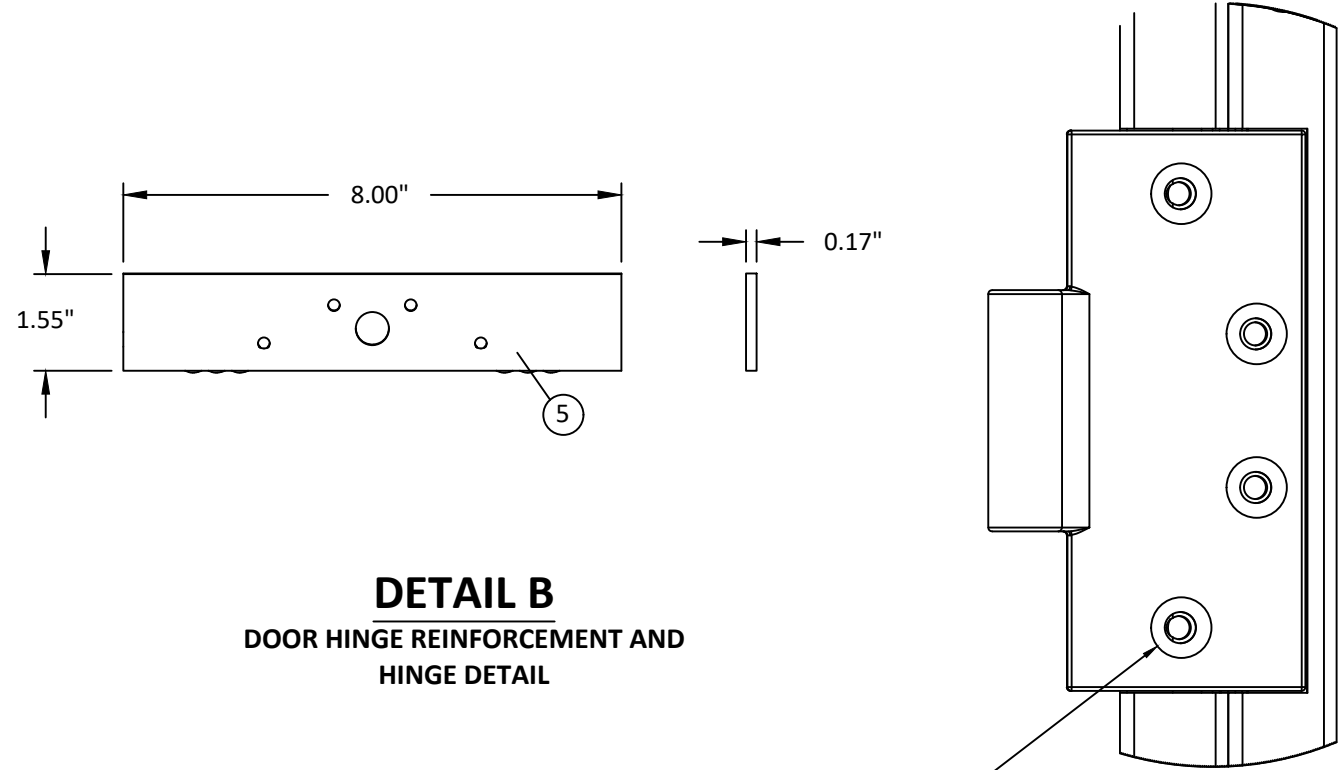
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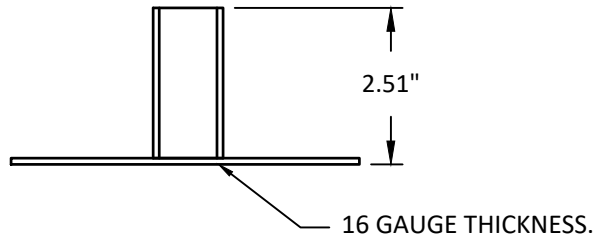
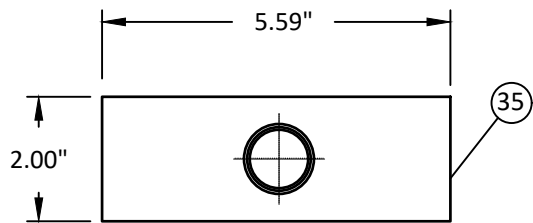


**DETAIL A**  
FRAME HINGE REINFORCEMENT

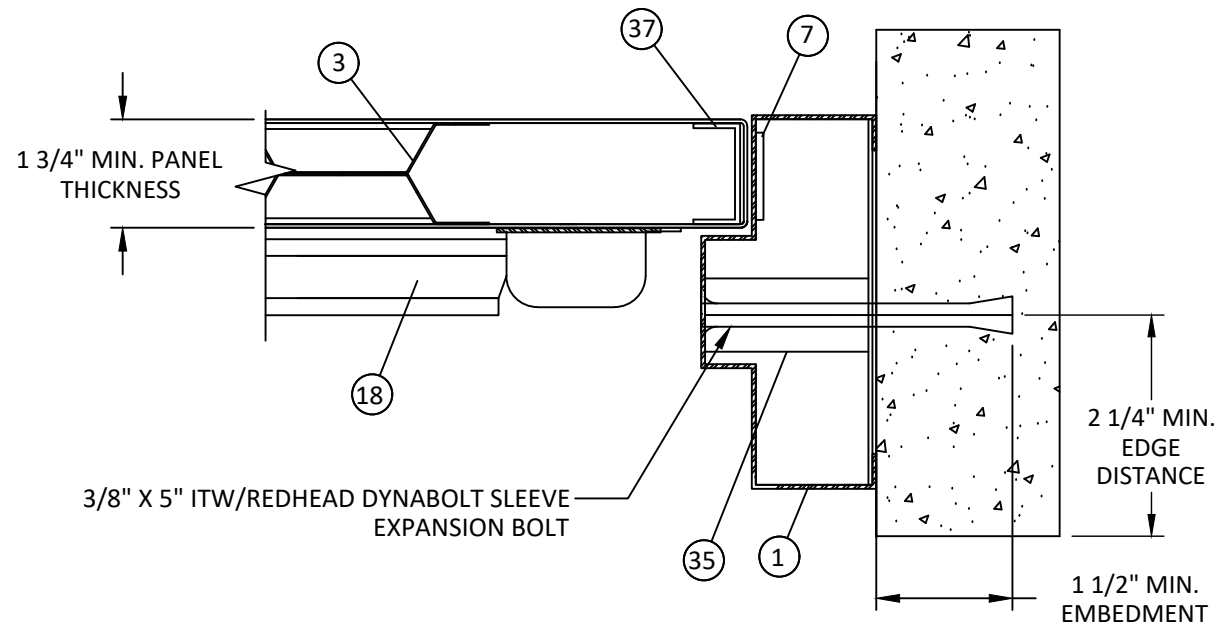
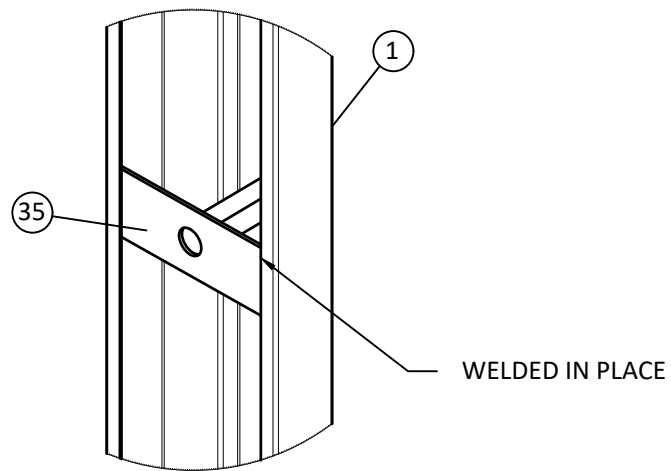


**DETAIL B**  
DOOR HINGE REINFORCEMENT AND  
HINGE DETAIL

NOTE: THIS IS A COMPONENT  
APPROVAL FOR NCHM DOORS.  
FRAMES, ANCHORING AND UL  
LISTED HARDWARE UNDER  
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**DETAIL C**  
ANCHOR STRAP



**L 7**  
**HORIZONTAL SECTION**  
LOCK JAMB - CONCRETE  
RIM EXIT DEVICE

**NATIONAL**  
CUSTOM HOLLOW METAL DOORS & FRAMES

NATIONAL CUSTOM  
HOLLOW METAL  
1701 E 15th St.  
LITTLE ROCK, AR 72202

TITLE: OUTSWING FLUSH STEEL  
COMMERCIAL DOOR.  
(WZ4) (IMPACT)  
STIFFENER DETAILS & HORIZONTAL SECTION

PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15  
MIAMI, FL 33132  
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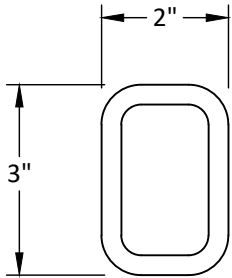


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| DWG. #:  | NCHM003  |
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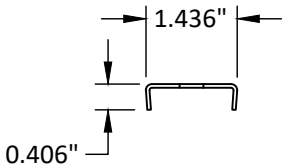
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| BILL OF MATERIAL |                                                         |                                                   |                |
|------------------|---------------------------------------------------------|---------------------------------------------------|----------------|
| NO.              | DESCRIPTION                                             | MATERIAL                                          | MANUFACTURER   |
| 1                | FRAME - 5-3/4" DEPTH                                    | 16 GA./14 GA./12 GA. A60 GALV. OR STAINLESS STEEL | NCHM           |
| 1A               | OPTIONAL HEADER FRAME - 5-3/4" DEPTH                    | 16 GA./14 GA./12 GA. A60 GALV. OR STAINLESS STEEL | NCHM           |
| 2                | DOOR LEAF                                               | 16 GA./14 GA./12 GA. A60 GALV. OR STAINLESS STEEL | NCHM           |
| 3                | DOOR HAT CHANNEL STIFFENERS                             | 22 GA. STEEL                                      | NCHM           |
| 4                | TOP AND BOTTOM DOOR CHANNELS                            | 16 GA. STEEL                                      | NCHM           |
| 5                | DOOR HINGE REINFORCEMENTS                               | 7 GA. STEEL                                       | DAYTON IND.    |
| 6                | FRAME HINGE REINFORCEMENT                               | 3/16" X 10" - 7 GA. STEEL                         | DAYTON IND.    |
| 7                | FRAME STRIKE REINFORCEMENT TAB - SINGLE UNITS           | 7 GA. STEEL                                       | NCHM           |
| 8                | CL3300 SERIES CYLINDRICAL LOCK                          | -                                                 | CORBIN RUSSWIN |
| 9                | CYLINDRICAL LOCK TAB-DOOR                               | 10 GA. STEEL                                      | NCHM           |
| 10               | CYLINDRICAL LOCK REINFORCEMENT-DOOR                     | 18 GA. STEEL                                      | NCHM           |
| 11               | 8200 SERIES MORTISE LOCK WITH DEADBOLT                  | -                                                 | SARGENT        |
| 12               | MORTISED LOCK TAB                                       | 10 GA. STEEL                                      | NCHM           |
| 13               | MORTISED LOCK REINFORCEMENT                             | 14 GA. STEEL                                      | NCHM           |
| 14               | FRAME EXIT DEVICE REINFORCEMENT - SINGLE UNITS          | 12 GA. STEEL                                      | NCHM           |
| 15               | HINGE EDGE EXIT DEVICE REINFORCEMENT                    | 14 GA. STEEL                                      | NCHM           |
| 16               | LATCH EDGE EXIT DEVICE REINFORCEMENT                    | 14 GA. STEEL                                      | NCHM           |
| 17               | IN-ACTIVE DOOR STRIKE TAB                               | 10 GA. STEEL                                      | NCHM           |
| 18               | 7150 SERIES RIM EXIT DEVICE W/ INTERLOCKING STRIKE      | -                                                 | YALE           |
| 19               | 988Y SURFACE BOLTS                                      | -                                                 | YALE           |
| 20               | SURFACE BOLT REINFORCEMENT - FRAME                      | 12 GA. STEEL                                      | NCHM           |
| 21               | M200FWS REMOVABLE MULLION                               | 2" X 3" STEEL TUBE                                | YALE           |
| 22               | HEADER STOP REINFORCEMENT                               | 12 GA. STEEL                                      | NCHM           |
| 23               | FULL WIDTH HEADER REINFORCEMENT                         | 12 GA. STEEL                                      | NCHM           |
| 24               | 8600 CVR EXIT DEVICE - ACTIVE LEAF                      | -                                                 | SARGENT        |
| 25               | HC8700 SVR EXIT DEVICE - INACTIVE LEAF                  | -                                                 | SARGENT        |
| 26               | SURFACE VERTICAL ROD STRIKE REINFORCEMENT               | 12 GA. STEEL                                      | NCHM           |
| 27               | CONCEALED VERTICAL ROD STRIKE TAB                       | 7 GA. STEEL                                       | NCHM           |
| 28               | INTERIOR FACE SHEET EXIT DEVICE REINFORCEMENT           | 14 GA. STEEL                                      | NCHM           |
| 29               | INTERIOR FACE CONCEALED VERTICAL ROD EXIT DEVICE REINF. | 14 GA. STEEL                                      | NCHM           |
| 30               | EXTERIOR FACE CONCEALED VERTICAL ROD EXIT DEVICE REINF. | 14 GA. STEEL                                      | NCHM           |
| 31               | SURFACE VERTICAL ROD EXIT DEVICE HINGE EDGE REINF.      | 14 GA. STEEL                                      | NCHM           |
| 32               | SURFACE VERTICAL ROD EXIT DEVICE REINFORCEMENT          | 14 GA. STEEL                                      | NCHM           |
| 33               | SURFACE VERTICAL ROD CONTINUOUS LATCH EDGE REINF.       | 14 GA. STEEL                                      | NCHM           |
| 34               | TA 2714 BUTT HINGE - SECURED WITH (4) #12 METAL SCREWS  | -                                                 | MCKINNEY       |
| 35               | ANCHOR STRAPS                                           | 16 GA. STEEL                                      | NCHM           |
| 36               | DOOR FLUSHING CHANNEL (OPTIONAL)                        | 18 GA. STEEL                                      | NCHM           |
| 37               | VERTICAL CHANNEL                                        | 14 GA. STEEL                                      | NCHM           |



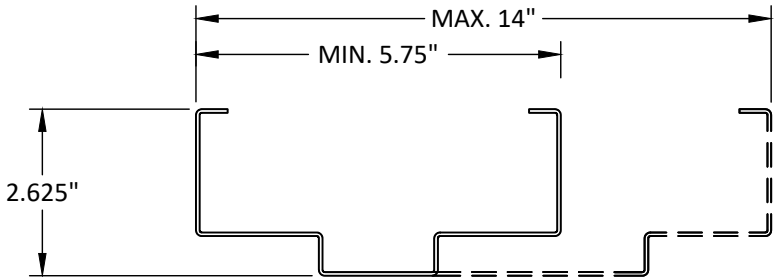
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M200FWS REMOVABLE MULLION  
STEEL TUBE



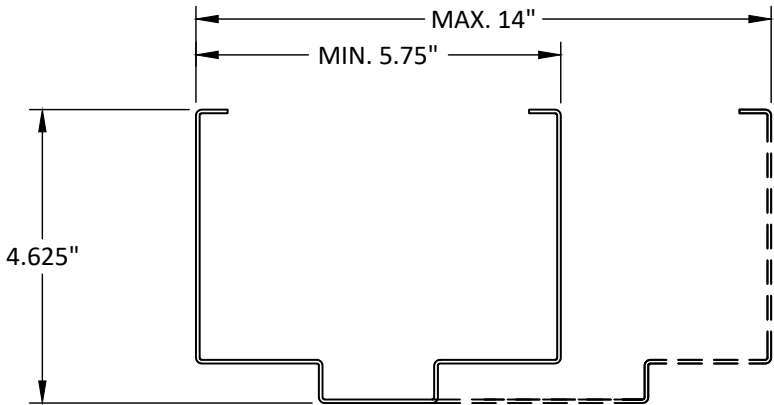
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DOOR FLUSHING CHANNEL (OPTIONAL)  
18 GA. STEEL



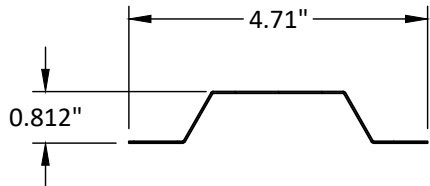
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FRAME  
16 GA./14 GA. A60 GALVANIZED STEEL



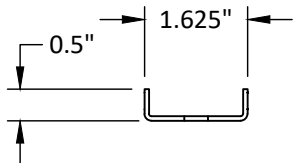
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OPTIONAL HEADER FRAME  
16 GA./14 GA. A60 GALVANIZED STEEL



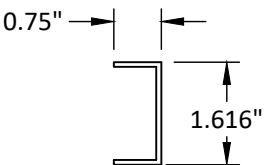
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DOOR HAT CHANNEL STIFFENERS  
22 GA. STEEL



4

TOP & BOTTOM DOOR CHANNELS  
16 GA. STEEL



37

VERTICAL CHANNEL  
14 GA. STEEL



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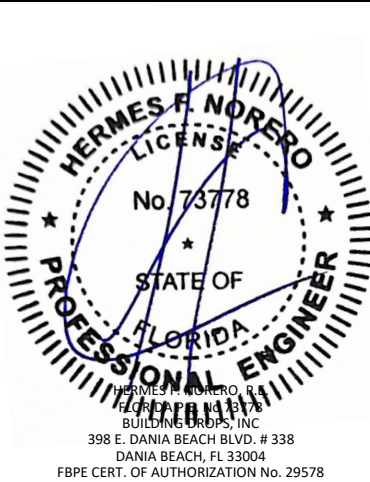
TITLE: OUTSWING FLUSH STEEL  
COMMERCIAL DOOR.  
(WZ4) (IMPACT)  
BILL OF MATERIALS & COMPONENTS

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| HARDWARE OPTIONS                                                                     |               |                 |
|--------------------------------------------------------------------------------------|---------------|-----------------|
| LATCHING HARDWARE TYPE                                                               | CONFIGURATION | DESIGN PRESSURE |
| CYLINDRICAL LOCKSET                                                                  | SINGLE        | +/-70 PSF       |
| MORTISE LOCKSET WITH DEAD BOLT                                                       | SINGLE        | +/-70 PSF       |
|                                                                                      | SINGLE        | +/- 50 PSF      |
| RIM EXIT DEVICE                                                                      | SINGLE        | +/-70 PSF       |
| CONCEALED VERTICAL CABLE DEVICE                                                      | SINGLE        | +/-70 PSF       |
| THREE POINT LOCK                                                                     | SINGLE        | +/-70 PSF       |
| CYLINDRICAL LOCKSET                                                                  | PAIR          | +/-70 PSF       |
| MORTISE WITH DEADBOLT X<br>SURFACE BOLTS                                             | PAIR          | +/-70 PSF       |
| MORTISE X<br>SURFACE BOLTS                                                           | PAIR          | +/- 50 PSF      |
| RIM EXIT DEVICES WITH REMOVABLE<br>MULLION                                           | PAIR          | +/-70 PSF       |
| CONCEALED X CONCEALED, SURFACE X<br>SURFACE, OR CONCEALED X SURFACE<br>VERTICAL RODS | PAIR          | +/-70 PSF       |
|                                                                                      | PAIR          | +/-70 PSF       |
|                                                                                      | PAIR          | +/-70 PSF       |
| THREE POINT LOCK                                                                     | PAIR          | +/-70 PSF       |

NOTE: THIS IS A COMPONENT APPROVAL FOR NCHM DOORS. FRAMES, ANCHORING AND UL LISTED HARDWARE UNDER SEPARATE APPROVAL.  
PRESSURES SHOWN ABOVE ARE APPLICABLE TO THE SPECIFIED CONFIGURATIONS BASED ON DOOR PERFORMANCE. OVERALL ALLOWABLE DESIGN PRESSURES SHALL BE LIMITED TO THE LOWEST VALUE AS CONTROLLED BY THE DOOR, FRAME AND HARDWARE UNDER SEPARATE APPROVAL.



NATIONAL CUSTOM  
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LITTLE ROCK, AR 72202

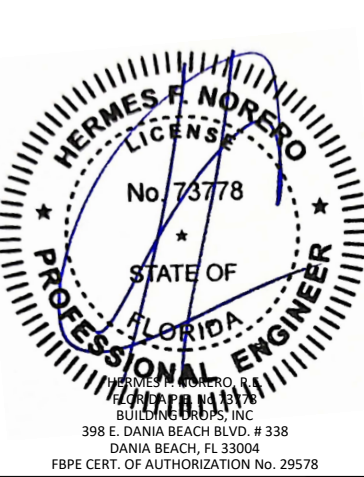
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HARDWARE OPTIONS & DP TABLE

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BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION No. 29578

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DWG. #: NCHM003

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