

ALLEGION - SCHLAGE LOCK COMPANY, LLC.

FLUSH OUTSWING/INSWING COMMERICAL STEEL DOUBLE DOOR

(NON-HVHZ)(NON-IMPACT)

GENERAL NOTES:

1.

THESE PRODUCTS HAVE BEEN TESTED TO ASTM PROTOCOLS E330-14 & E331-00 (09) AND COMPLY WITH THE CURRENT FLORIDA BUILDING CODE.
2.

THE DOORS ARE NON-IMPACT RATED.

NOTES:

1.

ALL DIMENSIONS SHOWN MAX. AND TYP. FOR ALL DOOR/FRAME MODELS UNLESS OTHER INDICATED.
2.

ANCHOR REQUIREMENTS: SEE SHEET 13 - 17 & 27 - 31 FOR APPROVED ANCHORS AND INSTALLATION.
3.

HINGE REQUIREMENTS:
FOR DOOR OPENING UP TO 90" HIGH - MIN. (3) BUTT HINGES
FOR DOOR OPENING OVER 90" - 96" HIGH - MIN (4) BUTT HINGES
LOCATIONS: 7.125" MIN - 9.75" MAX. FROM RABBET IN HEAD TO CL OF TOP HINGE
9" MIN. -12.50" MAX. FROM FLOOR TO CL OF BOTTOM HINGE, EQUALLY SPACED IN BETWEEN.
HINGE LOCATIONS MAY VARY, MAX SPACING NOT TO EXCEED 35.5" FOR THREE HINGES.
4.

APPROVED CONTINUOUS HINGE MODELS: SEE SHEET 22
5.

SEE SHEET 2, 3, 11, AND 26 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
6.

HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.
7.

HEAD SECTION CAN HAVE 4" FACE DIMENSIONS WHEN IT'S GROUTED WITH CONCRETE.
8.

APPLY CAULK AS NEEDED
9.

WHEN WATER INFILTRATION RATING IS **NOT** REQUIRED, INSTALL GASKETING PER SHEETS 19 & 20
10.

WHEN WATER INFILTRATION RATING IS REQUIRED, INSTALL GASKETING PER SHEETS 21
11.

WOOD OR STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY THE APPROPRIATE LOAD DESIGN
12.

ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE.
INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY. FIRE RATING IS NOT PART OF THIS APPROVAL, CONSULT MANUFACTURER FOR APPROVED CONFIGURATIONS.
13.

OPTIONAL POWER TRANSFERS, MONITORING SWITCHES, SUPPLEMENTAL MAGNETIC LOCKS MAY BE USED AS ALLOWED BY CODE AND DOES NOT EFFECT THE MECHANICAL PROPERTIES OF HARDWARE AND OR INHIBIT EGRESS. TO BE REVIEWED BY THE BUILDING OFFICIAL.

DESIGN PRESSURE RATING				IMPACT RATING
CONFIGURATION	WHERE WATER AND AIR INFILTRATION REQUIREMENTS ARE NEEDED (OUTSWING ONLY)	WHERE WATER AND AIR INFILTRATION REQUIREMENTS ARE NOT NEEDED (OUTSWING)	WHERE WATER AND AIR INFILTRATION REQUIREMENTS ARE NOT NEEDED (INSWING)	
1	+50/-50	+50/-50	+50/-50	NON-IMPACT RATED
2	+50/-50	+50/-50	+50/-50	
3	+50/-40	+50/-40	+40/-50	
4	+50/-50	+50/-50	+50/-50	
5	+50/-40	+50/-40	+40/-50	
6	+50/-40	+50/-40	+40/-50	
7	+50/-50	+50/-50	+50/-50	
8	+50/-50	+50/-50	+50/-50	
9	+60/-60	+60/-60	+60/-60	
10	+60/-60	+60/-60	+60/-60	

CONSTRUCTION NOTES:

1.

DOOR CONSTRUCTION

1.1.

NOMINAL DOOR THICKNESS - 1 3/4"

1.2.

DOORS AVAILABLE IN FLAT AND EMBOSSED SURFACE MODELS

1.3.

ALL DOORS ARE FLUSH - NO LITES OR LOUVERS APPROVED

1.4.

DOOR VIEWERS ARE PERMITTED TO BE USED IN A DOOR WITH A DESIGN RATING OF +/- 60 PSF OR LESS. MAXIMUM 9/16" DIAMETER HOLE THROUGH DOOR FOR VIEWER INSTALLATION. MAXIMUM 2 VIEWERS PER DOOR.
2.

FRAME CONSTRUCTION

2.1.

MINIMUM JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"

2.2.

STEELCRAFT FRAMES AVAILABLE AS FLUSH (F-SERIES) AND MULTI-USE (MU-SERIES) (SEE TABLE 4, SHT. 12). REPUBLIC DOORS FRAME OPTIONS AVAILABLE AS ME-SERIES AND SE-SERIES (SEE TABLE 10, SHT. 26).
3.

FOR STEELCRAFT DOOR SPECIFICATIONS REFERENCE SEE TABLE 3, SHT. 11. FOR REPUBLIC DOORS DOOR SPECIFICATIONS REFERENCE SEE TABLE 9, SHT. 26.
4.

FRAME CORNER WELD: CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM. GRIND, SMOOTH, PRIME, & PAINT. WELD CLASSIFICATION - E70XX. SEE SHEET 12 & 26 FOR DETAIL.

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GENERAL NOTES &
DESIGN PRESSURE TABLE

PREPARED BY:

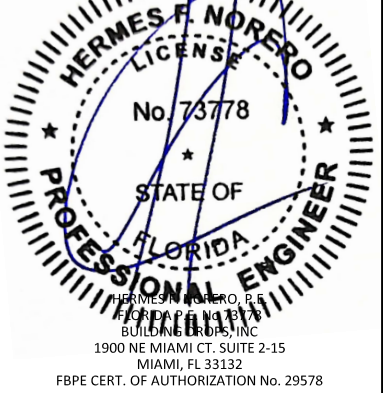
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REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.11.24
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MISC UPDATE	DI	12.06.25

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.12.10 18:52:05 -05'00'



FL10356

DATE: 04.10.23

DWG. BY: DI

CHK. BY: HFN

SCALE: NTS

DWG. #: FDDA330

SHEET: 1

OF 32

TABLE 1: DOOR CONFIGURATIONS AND LOCKING HARDWARE

DOOR CONFIGURATION	MAXIMUM DESIGN PRESSURE, PSF		MAXIMUM DOOR OPENING SIZE, IN		LOCKING HARDWARE DESCRIPTION					COMMENTS				
	OUTSWING	INSWING	WIDTH	HEIGHT	HARDWARE FAMILY	MODEL/SERIES	BRAND	STRIKE MODELS	ADDITIONAL HARDWARE INFORMATION					
1	±50	±50	96	96	MORTISE LOCK	L/LV9000, AD-MS, CO-MS, PM	SCHLAGE	STANDARD	INACTIVE LEAF IVES FLUSH BOLTS - FB31P OR FB51P IVES SURFACE BOLTS - SB360, SB453 & SB1630	FUNCTIONS WITHOUT DEADBOLT, 3/4" MIN. THROW LATCH				
						LE-MS, LEB-MS, LE-MB. LEB-MB	SCHLAGE							
						XE360-M-B & XE360-M-I	SCHLAGE							
						MA	FALCON							
										L/LV9400, AD-MD, CO-MD, PM400	SCHLAGE	STANDARD	INACTIVE LEAF IVES FLUSH BOLTS - FB31P OR FB51P IVES SURFACE BOLTS - SB360, SB453 & SB1630	FUNCTIONS WITH DEADBOLT 3/4" MIN. THROW LATCH & 1" MIN. THROW DEADBOLT
										LE-MD, LEB-MD	SCHLAGE			
										XE360-M-D	SCHLAGE			
										MA	FALCON			
2	±50	±50	96	96	CYLINDRICAL LOCK	ND, NDE, NDEB, A, AL, S	SCHLAGE	STANDARD	INACTIVE LEAF IVES FLUSH BOLTS - FB31P OR FB51P IVES SURFACE BOLTS - SB360, SB453 & SB1630	1/2" MIN. THROW LATCH				
						AD-CY, CO-CY								
						ALX, PC								
						B, X	FALCON			1/2" MIN. THROW LATCH (13-247, 14-028, 14-042)				
					T, TM	1/2" MIN. THROW LATCH								
3	+50 / -40	+40 / -50	96	96	RIM EXIT DEVICE	22, 22F	VON DUPRIN		STRIKE X MULLION APPLICATIONS: STEEL MULLIONS: 299/299-F X 4954, 299/299-F, 499-F X 9954, 1606 X 1654 ALUMINUM MULLIONS: 299/299-F X 5654, 1408 X 5754	(KR) OPTION AVAILABLE FOR STEEL MULLION				
						98, 99, 98-F, 99-F								
						HW78, HW78-F								
4	±50	±50	96	96	RIM EXIT DEVICE	33A, 35A, 33A-F, 35A-F	VON DUPRIN		STRIKE X MULLION APPLICATIONS: STEEL MULLIONS: 299/299-F X 4954, 299/299-F, 499-F X 9954, 1606 X 1654 ALUMINUM MULLIONS: 299/299-F X 5654, 1408 X 5754	(KR) OPTION AVAILABLE FOR STEEL MULLIONS				
						HW75, HW75-F								
						88, 88-F								
						55								
						XP98, XP99, XP98-F, XP99-F								
										19-R, F-19-R	FALCON		STRIKE X MULLION APPLICATIONS: STEEL MULLIONS: F570/F490 X 2923, F570/F490 X4023, F570/F490 X F4023	(KR) OPTION AVAILABLE FOR 4023 & F4023 MULLIONS
										24-R, F-24-R				



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TABLE 1: DOOR CONFIG.
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HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL10356

DATE: 04.10.23

DWG. BY: DI CHK. BY: HFN

SCALE: NTS

DWG. #: FDDA330

SHEET: 2 OF 32

TABLE 1: DOOR CONFIGURATIONS AND LOCKING HARDWARE CONT.

DOOR CONFIGURATION	MAXIMUM DESIGN PRESSURE, PSF		MAXIMUM DOOR OPENING SIZE, IN		LOCKING HARDWARE DESCRIPTION				COMMENTS
	OUTSWING	INSWING	WIDTH	HEIGHT	HARDWARE FAMILY	MODEL/SERIES	STRIKE MODELS	BRAND	
5	+50 / -40	+40 / -50	96	96	THREE-POINT LATCHING DEVICE	9857, 9957, 9857-F, 9957-F	TOP STRIKE: 299/299-F STL MULLION: 299/299-F x 4954, 299/299-F, 499-F x 9954, 1606 x 1654 AL MULLION: 299/299-F x 5654, 1408 x 5754 BOTTOM STRIKE: 304L	VON DUPRIN	(KR) OPTION AVAILABLE FOR STEEL MULLIONS
6	+50 / -40	+40 / -50	96	96	SURFACE VERTICAL ROD EXIT DEVICE	2227, 2227-F	TOP: 299/299F BOTTOM: 304L	VON DUPRIN	
						33/3527A, 33/3527A-F			
						HW7527, HW7527-F			
						8827			
						98/9927, 98/9927-F			
						HW7827, HW7827-F			
7	±50	±50	96	96	SURFACE VERTICAL ROD EXIT DEVICE	19-V, F-19-V	TOP: 3788 BOTTOM: 2130	FALCON	
						24-V, F-24-V			
						25-V, F-25-V			
8	±50	±50	96	96	CONCEALED VERTICAL ROD EXIT DEVICE	33/3547A, 33/3547A-F, HH33/3547A	TOP: 338 BOTTOM: 304L	VON DUPRIN	HH33/3547A & HH98/9947 DEVICES HAVE A 2-3/4" BACKSET
						HW7547, HW7547-F			
						98/9947, 98/9947-F, HH98/9947			
						HW7847, HW7847-F			
						94/9547, 94/9547-F			
9	±60	±60	96	96	CONCEALED VERTICAL ROD EXIT DEVICE	5547	TOP: 471U BOTTOM: 304L	VON DUPRIN	
					CONCEALED VERTICAL CABLE EXIT DEVICE	3349A, 3549A, 3349-F, 3549A-F	TOP: 249 BOTTOM: 349		
						9849, 9949, 9849-F, 9949-F			
10	±60	±60	96	96	CONCEALED VERTICAL ROD EXIT DEVICE	24-C, F-24-C	TOP: 4188 BOTTOM: 2130	FALCON	
						25-C, F-25-C			

- NOTES:**
1. FOR DOOR CONFIGURATIONS 1 & 2 INACTIVE LEAF REQUIRES A Z-ASTRAGEL AND SURFACE BOLTS OR FLUSH BOLT TOP AND BOTTOM. SURFACE BOLTS INSTALLED WITH SEX BOLTS:
SB360 - #12-24 OHMS
SB453 - #10-24 FHMS
SB1630 - 1/4" -20 FHMS
2. SEE SHEETS 23 FOR HARDWARE MULLION DETAILS
3. EXIT HARDWARE OPTIONS:
FOR 98/99, HW78, XP98/99, 94/95, 33A/35A, HW75, AND 22 SERIES -OPTIONS E, RX, LX, SS, EL, QEL, CX, F, ALK, CD, LD, PN
TRIM: ALL APPLICABLE TRIMS AVAILABLE.
FOR 88 AND 55 SERIES - OPTION E
TRIM: ALL APPLICABLE TRIMS AVAILABLE.
PN MODEL OFFERED.
FOR FALCON 24 AND 25 SERIES - OPTIONS DM, LM, RX, KOR, MEL, EA, FSA, FSE, CD, LD
FOR FALCON 19 SERIES
TRIM: ALL APPLICABLE TRIMS AVAILABLE



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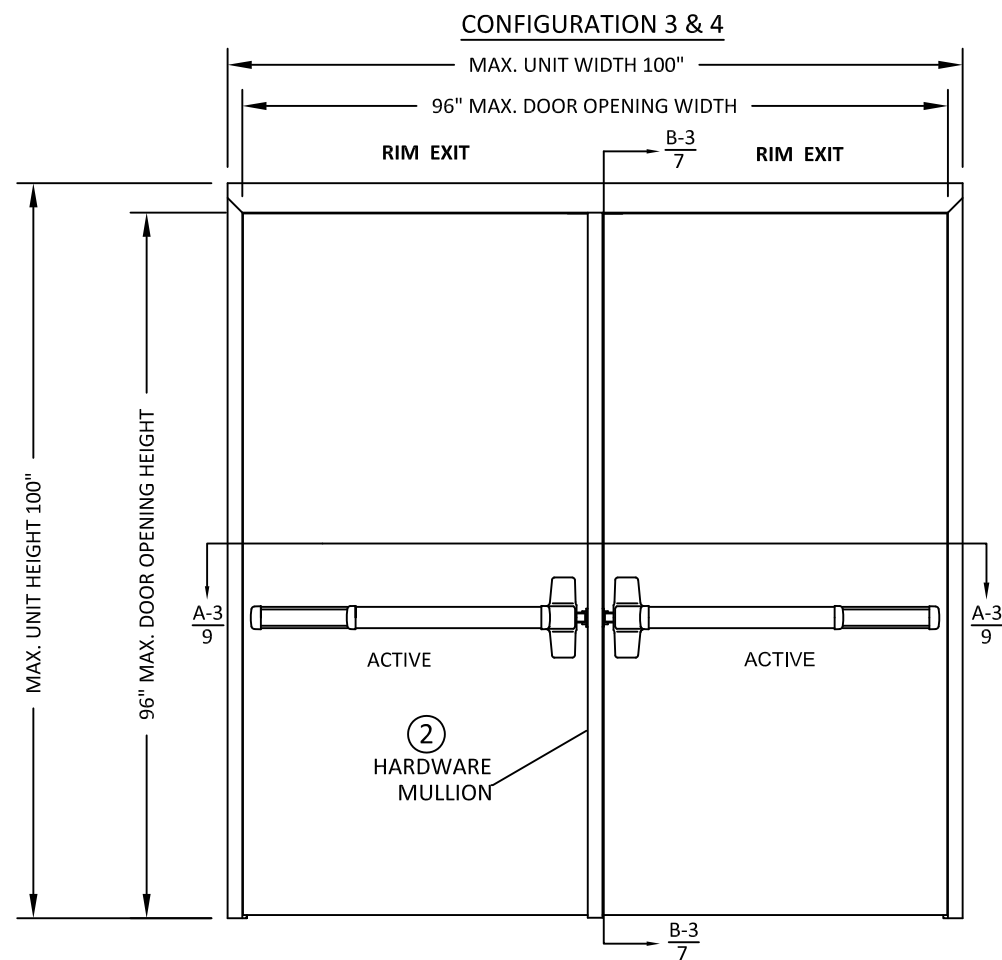
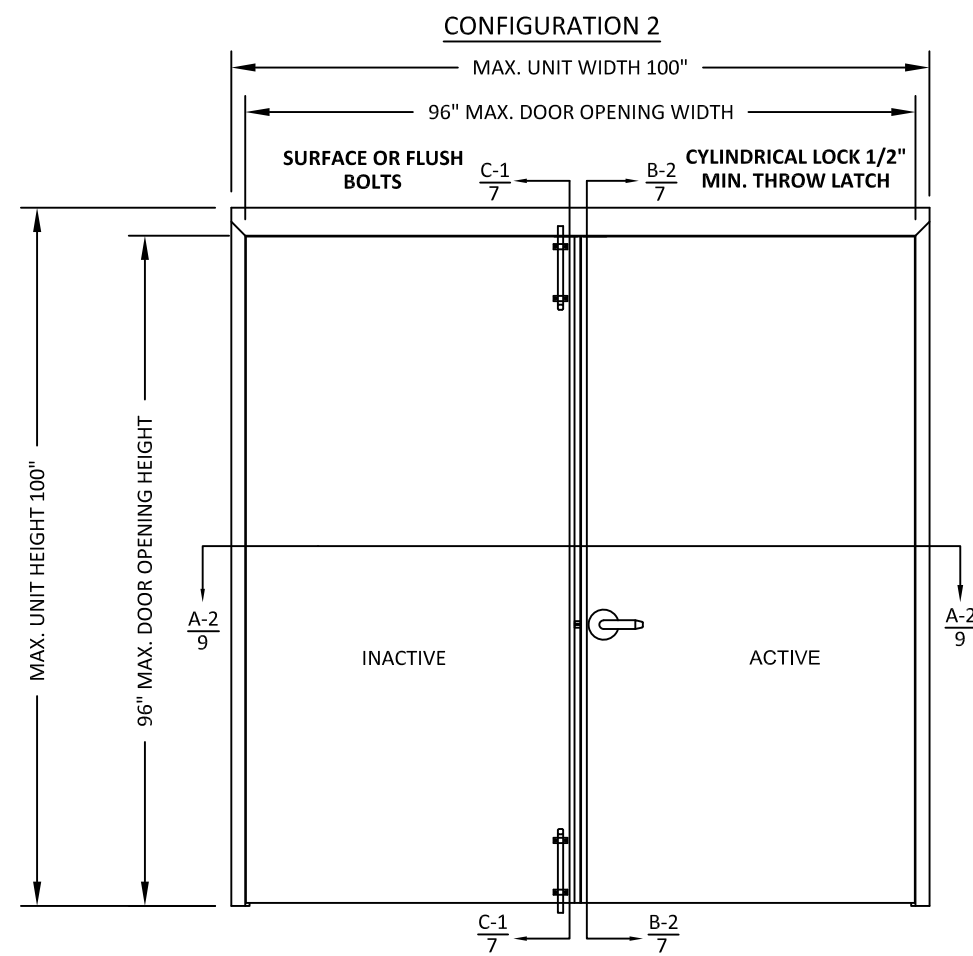
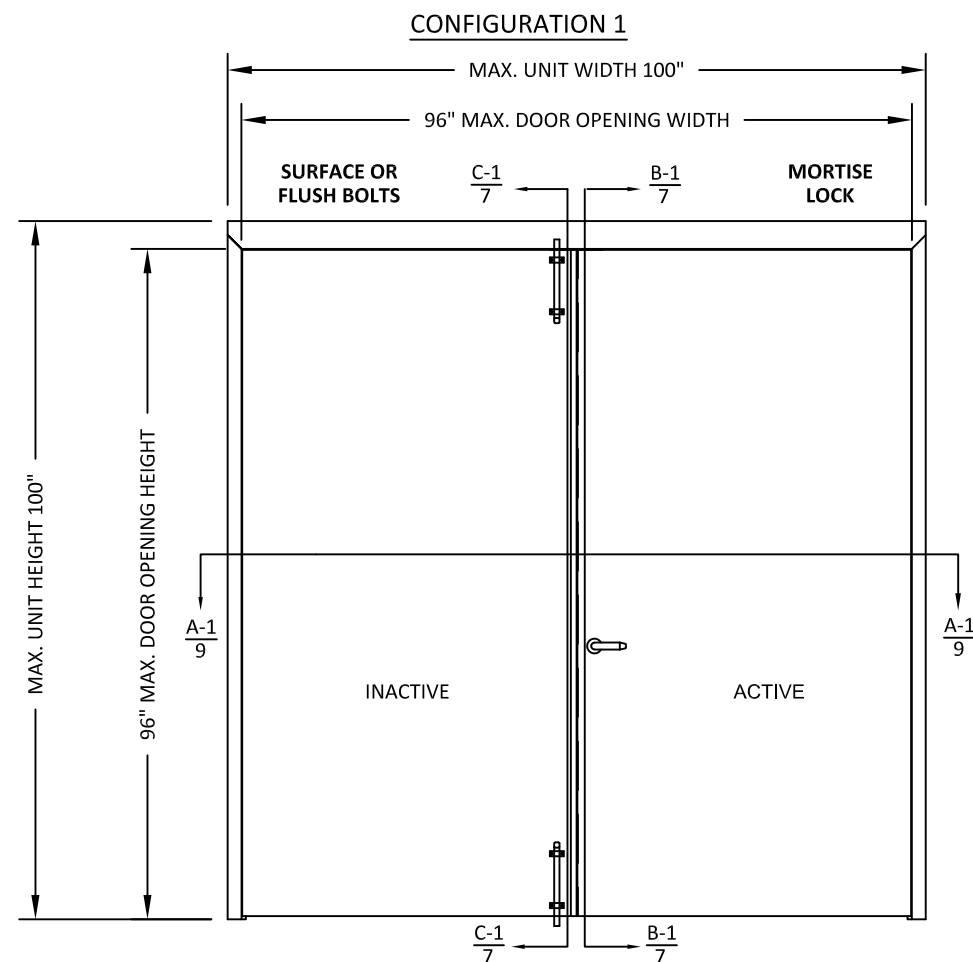
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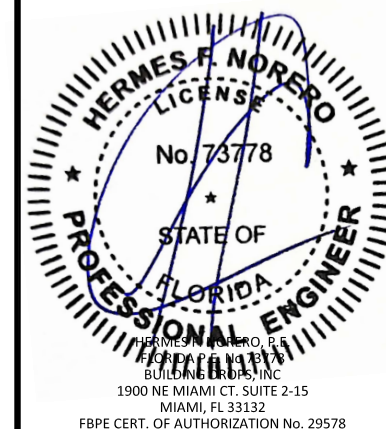


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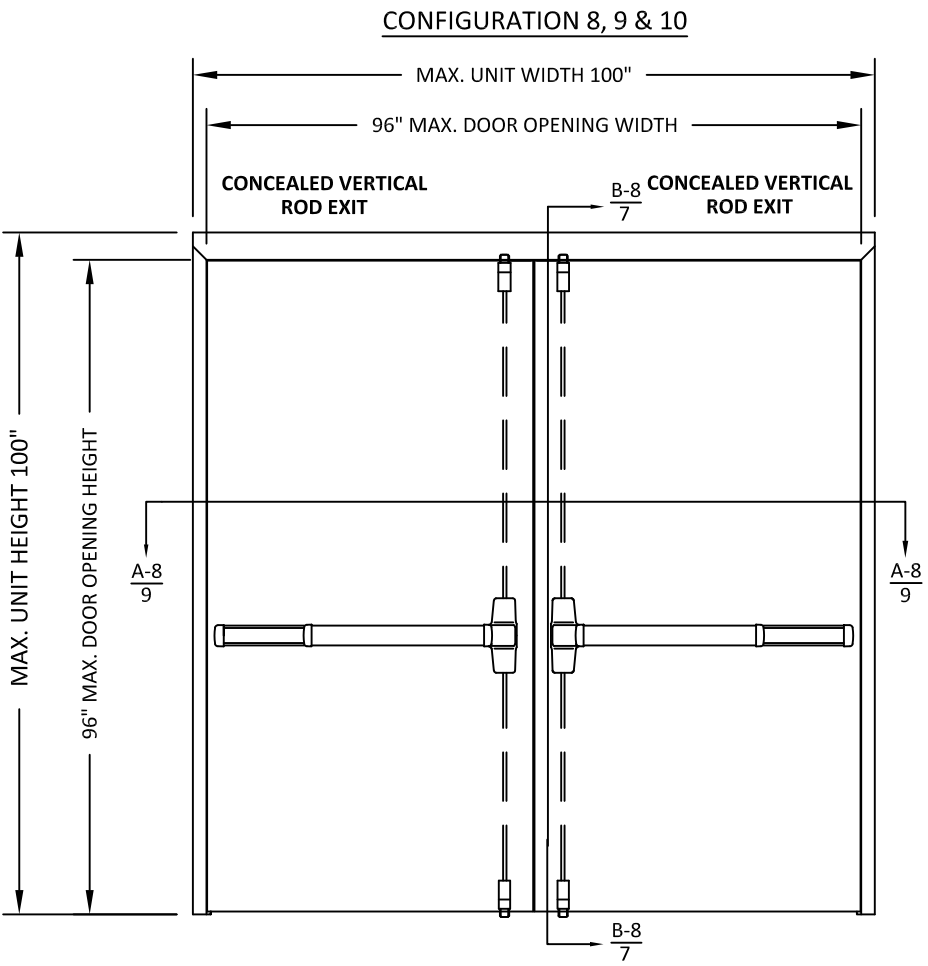
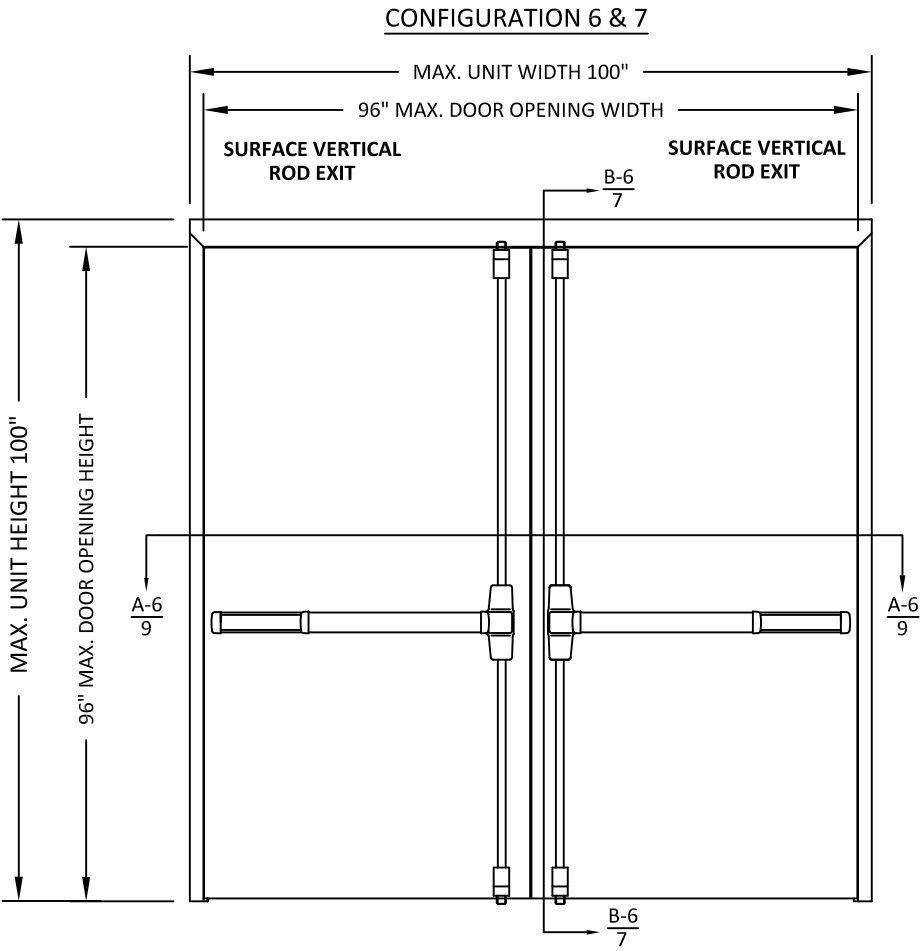
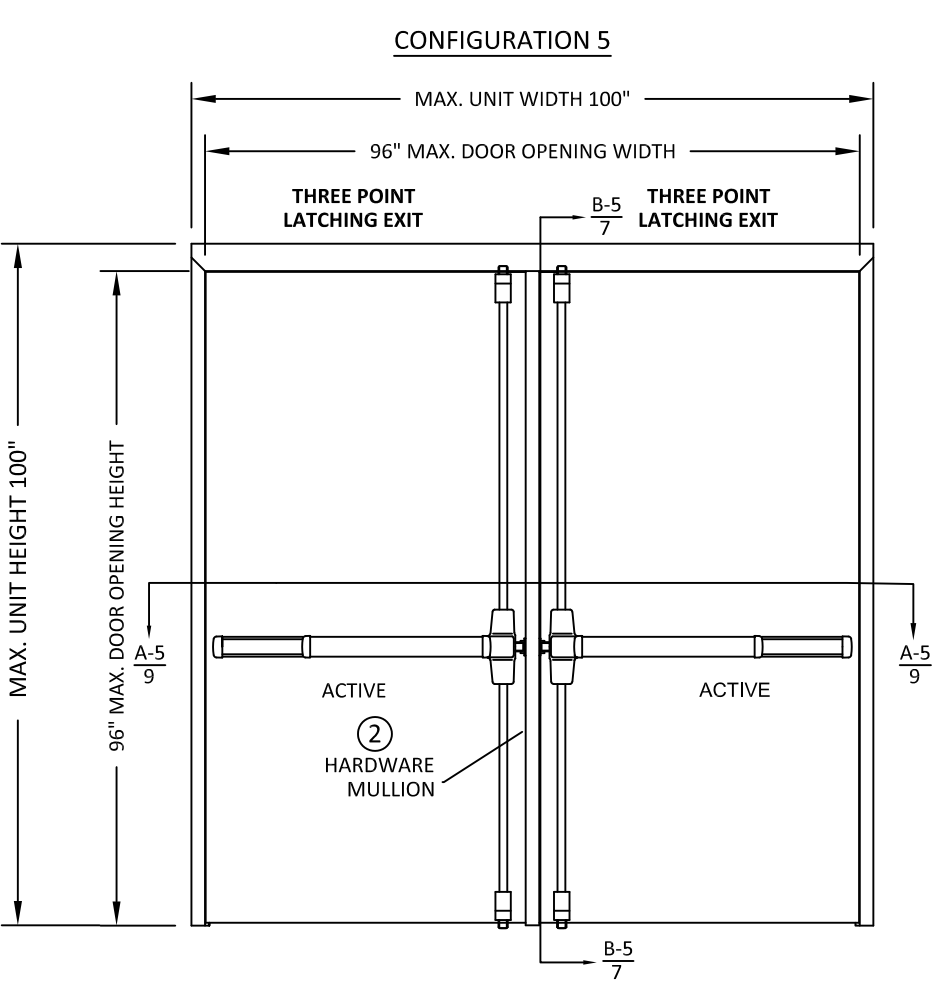
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DOOR CONFIGURATIONS 5-10

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SHEET:

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Technical drawing of a double door unit showing dimensions and components. The drawing includes the following dimensions and labels:

- MAXIMUM OVERALL UNIT WIDTH 100"**
- MAXIMUM DOOR OPENING 96"**
- MAXIMUM OVERALL UNIT HEIGHT 100"**
- MAXIMUM DOOR OPENING 96"**
- INSTALL LEFT JAMB SIMILAR TO RIGHT.**
- 2.00" TYP. OR 4.00" TYP. SEE NOTE 7, SHT. 1**
- MIN. 7.125" MAX. 9.75" CL OF HINGE**
- EQ.* (SEE NOTE 3, SHT. 1)**
- CL OF HINGE**
- EQ.***
- CL OF HINGE**
- EQ.***
- CL OF HINGE**
- MIN. 9" MAX. 12.25"**
- 2" TYP**
- TOP & BTM**
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- 100**

Diagram illustrating four door panel options, all with a width of 48" and a panel height of 96".

- FLUSH:** A plain door with no paneling. Dimensions: WIDTH MAX. 48", PANEL HEIGHT MAX. 96".
- EMBOSSED PANEL:** A door with a top panel (handle) and a bottom panel (lock). Dimensions: WIDTH MAX. 48", PANEL HEIGHT MAX. 96".
- EMBOSSED PANEL:** A door with a top panel (lock) and a bottom panel (handle). Dimensions: WIDTH MAX. 48", PANEL HEIGHT MAX. 96".
- EMBOSSED PANEL:** A door with a top panel (handle) and a bottom panel (lock). Dimensions: WIDTH MAX. 48", PANEL HEIGHT MAX. 96".

OPTIONAL VIEWERS SEE SHT. 22

- TABLE 2: (FOR OPTION 2 SEE TABLE 8 SHEET 24)



ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

LE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)
STEELCRAFT: OPENING DIMENSIONS
& BOM

PREPARED BY:

 **BUILDING DROPS, INC.**
1300 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.06.25

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FL10356

DATE: 04.10.23

DWG. BY: DI	CHK. BY: HFN
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SCALE: NTS

DWG. #: FDDA330

SHEET:

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OF 32



ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)

DOOR & FRAME OUTSWING
VERTICAL SECTION VIEWS

PREPARED BY:

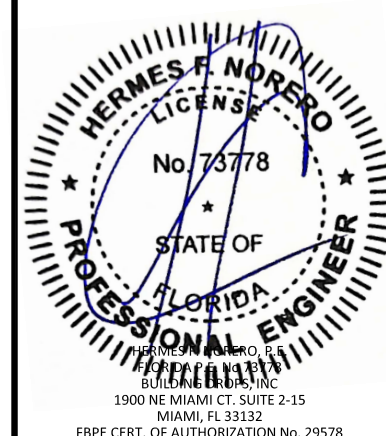
BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



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CHK. BY:
HFN

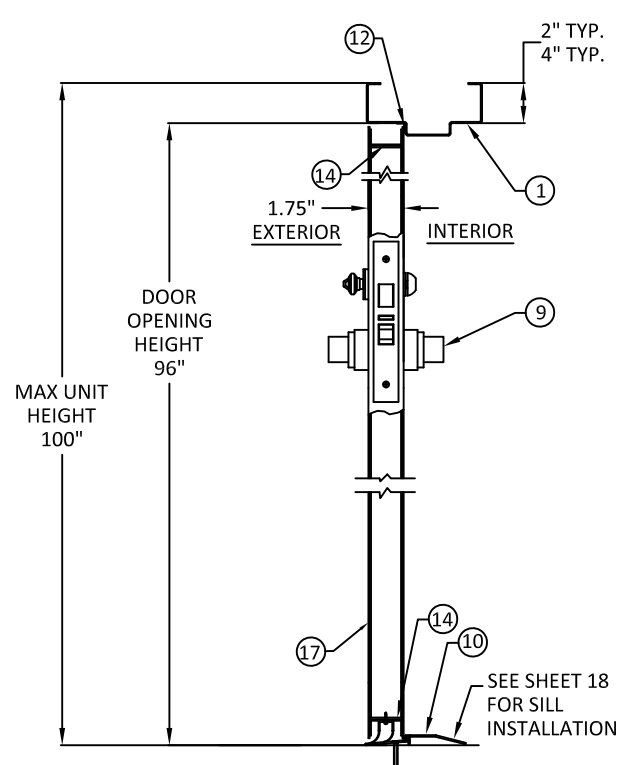
SCALE: NTS

DWG. #: FDDA330

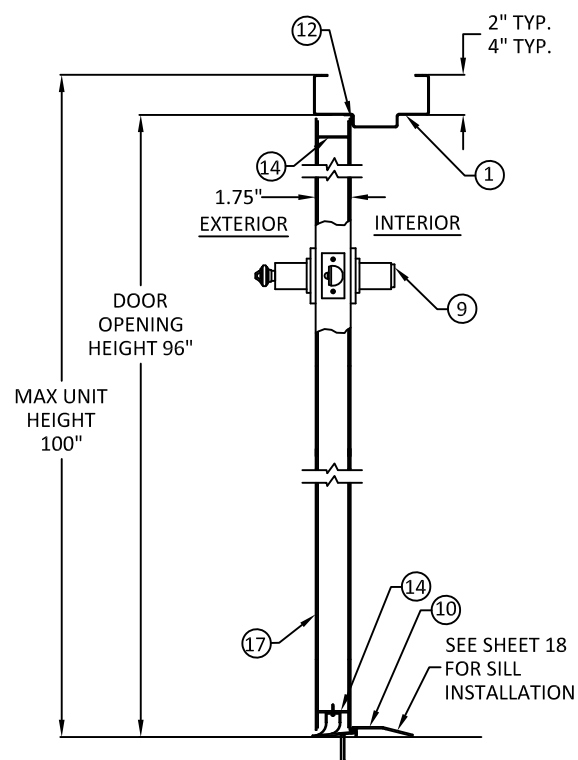
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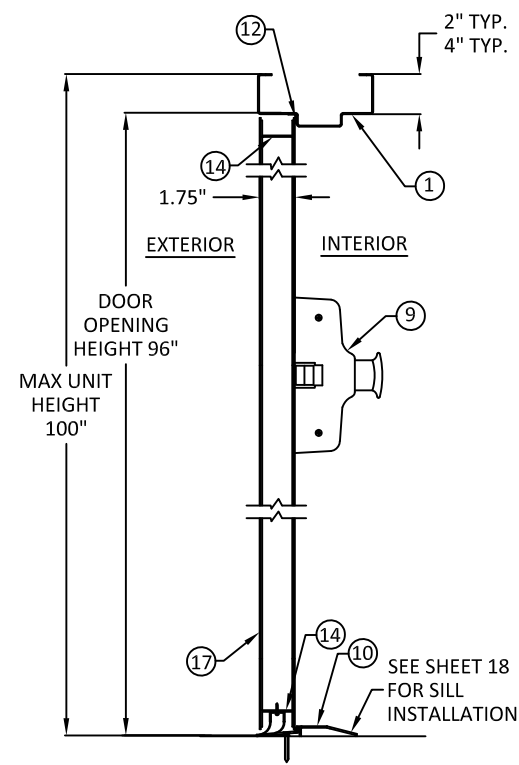
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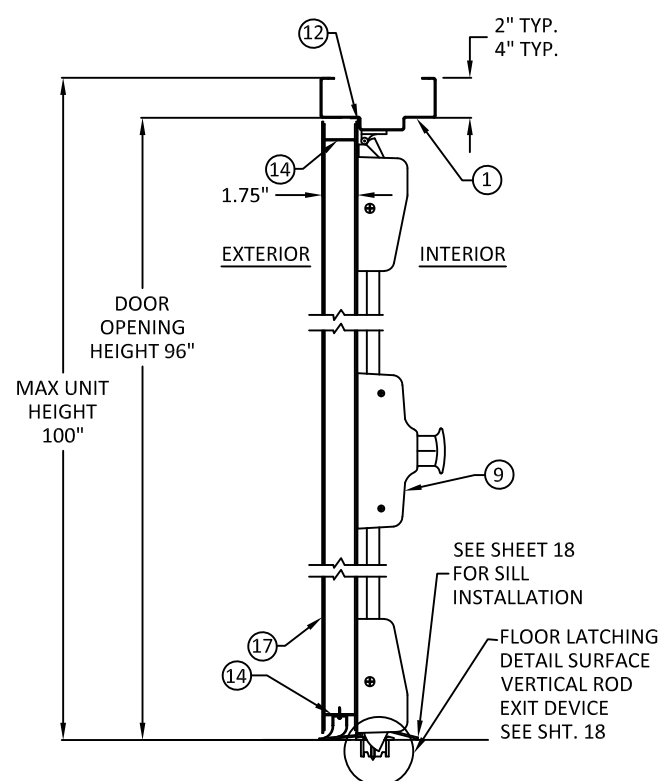
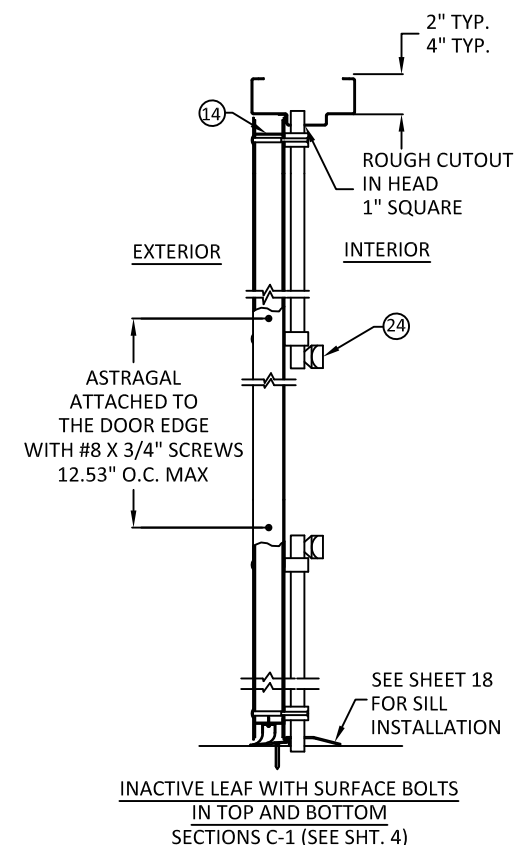
MORTISE LOCK
SECTION B-1 (SEE SHT. 4)



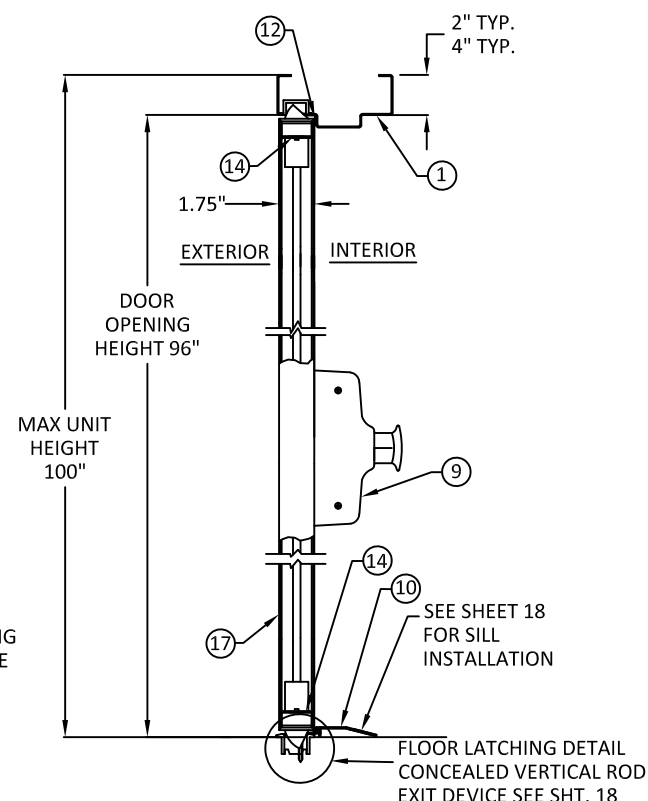
CYLINDRICAL LOCK
SECTIONS B-2 (SEE SHT. 4)



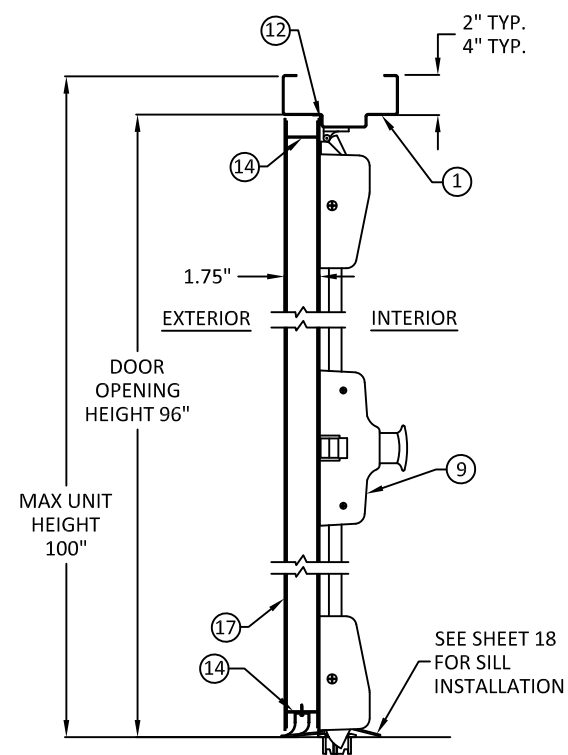
RIM EXIT DEVICE
SECTIONS B-3 (SEE SHT. 4)



SURFACE VERTICAL ROD EXIT DEVICE
SECTION B-6 (SEE SHT. 5)



CONCEALED VERTICAL
ROD EXIT DEVICE
SECTION B-8 (SEE SHTS. 5)



THREE-POINT LATCHING EXIT DEVICE.
SECTIONS B-5 (SEE SHT. 5)



ALLEGION - SCHLAGE LOCK COMPANY, LLC.
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CARMEL, IN 46032
PH: (317) 715-4073

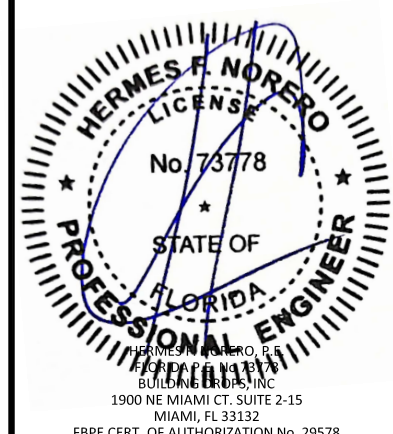
TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)
DOOR & FRAME INSWING
VERTICAL SECTION VIEWS

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



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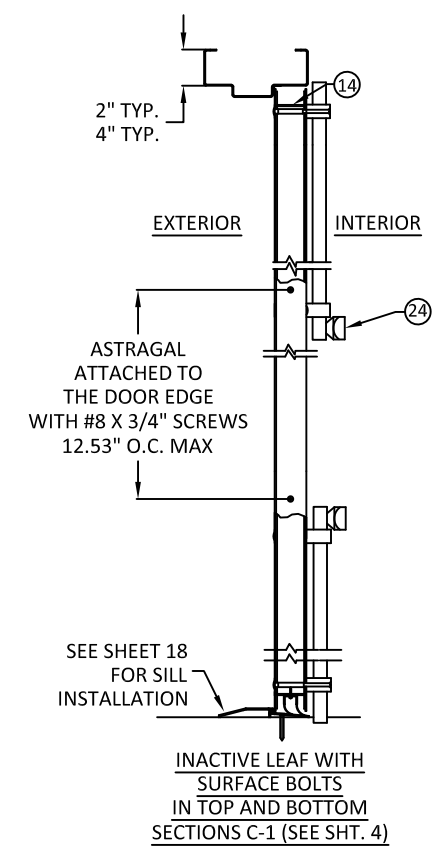
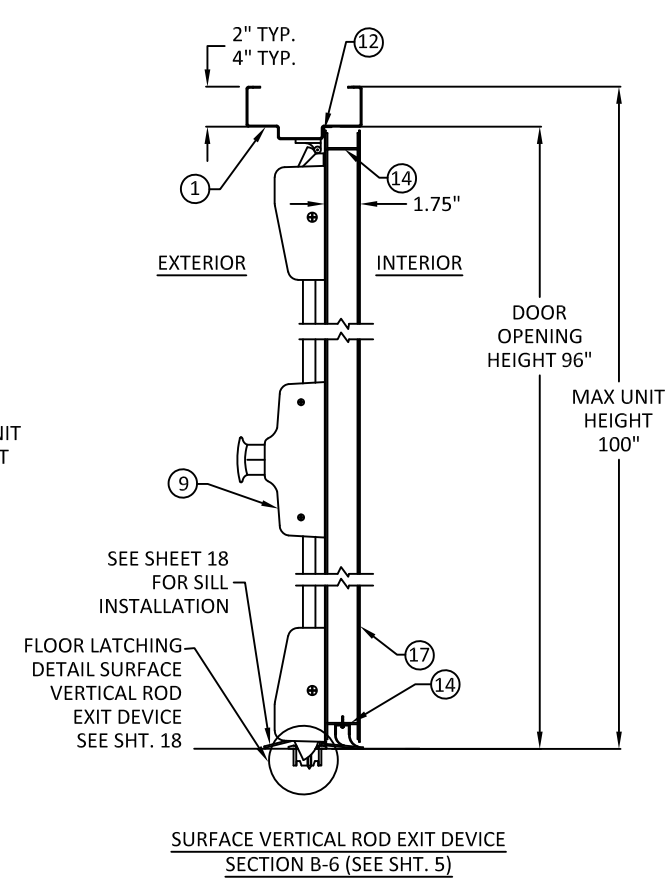
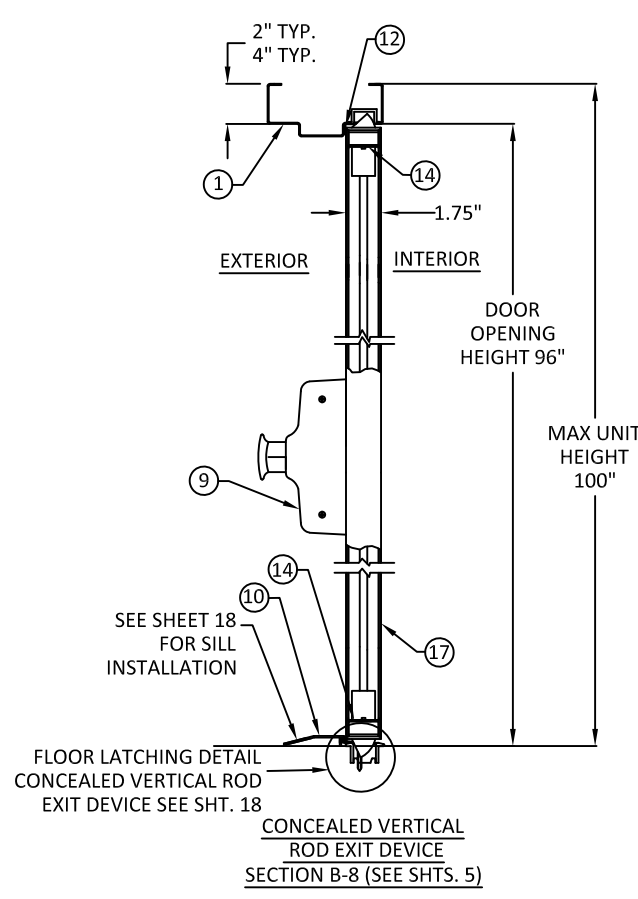
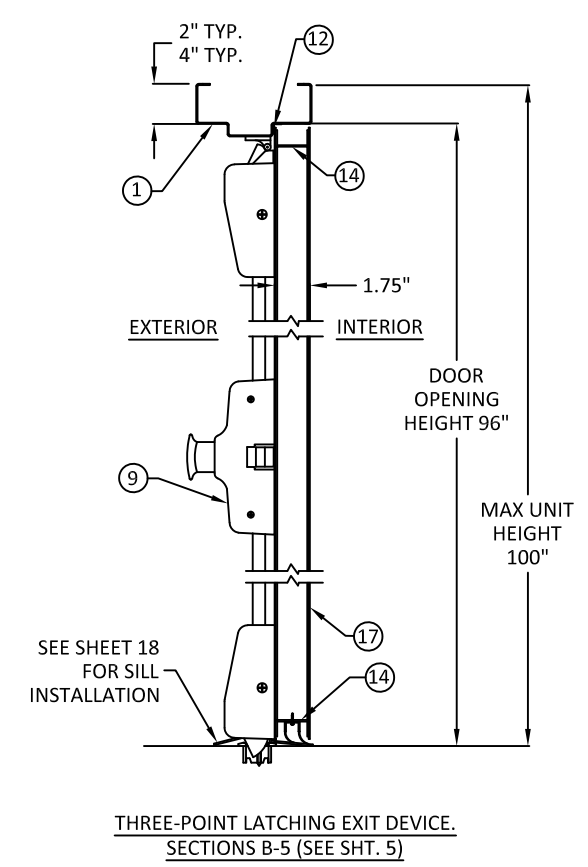
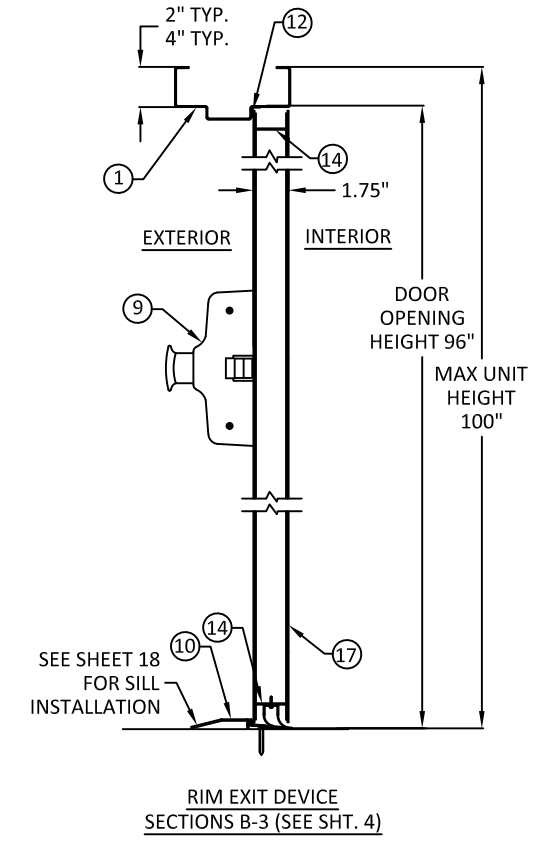
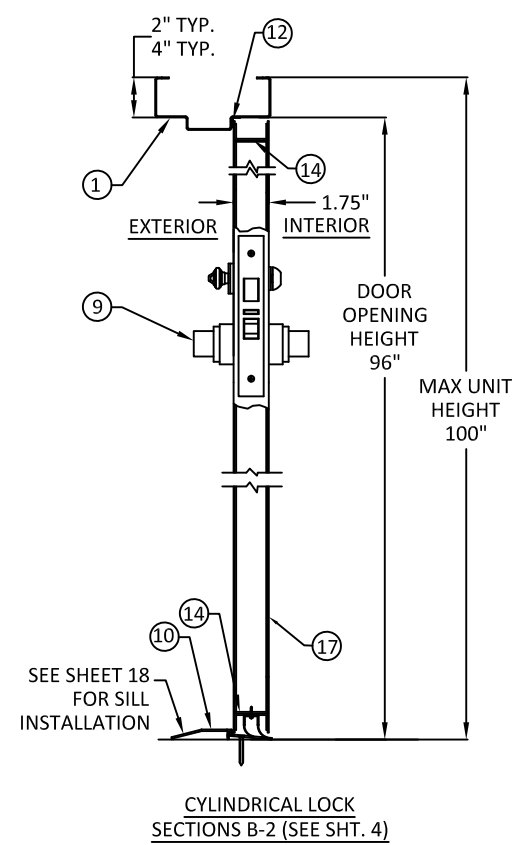
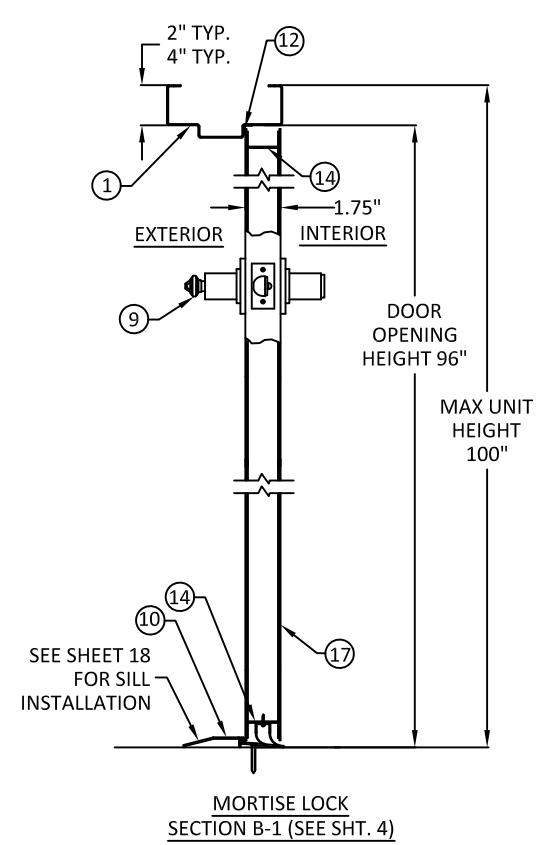


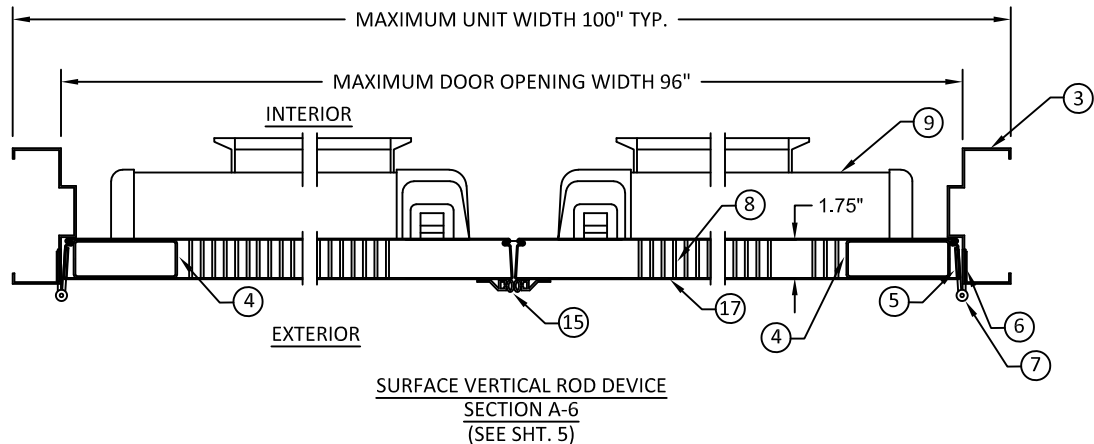
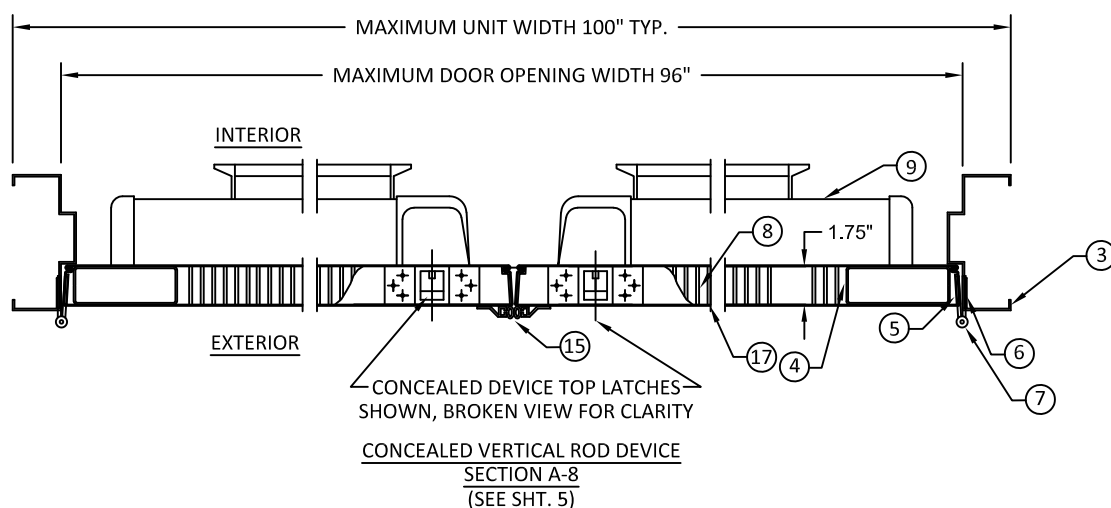
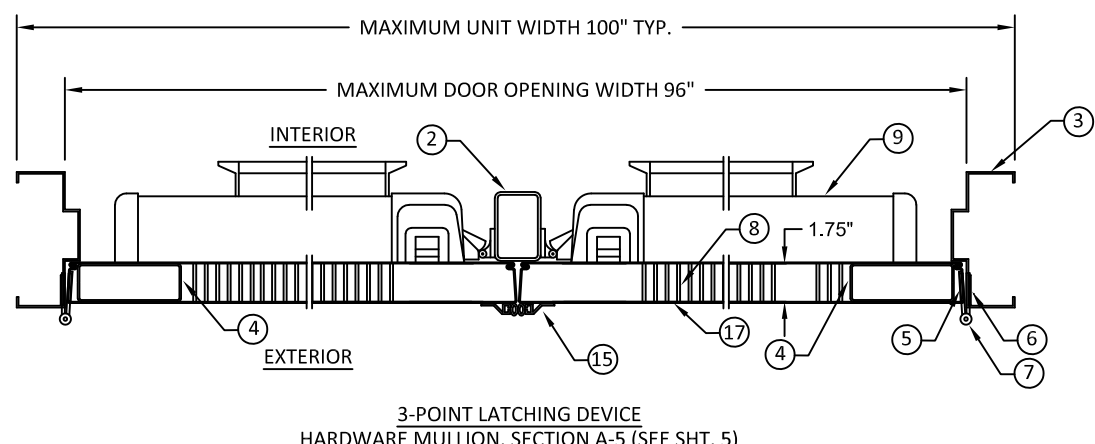
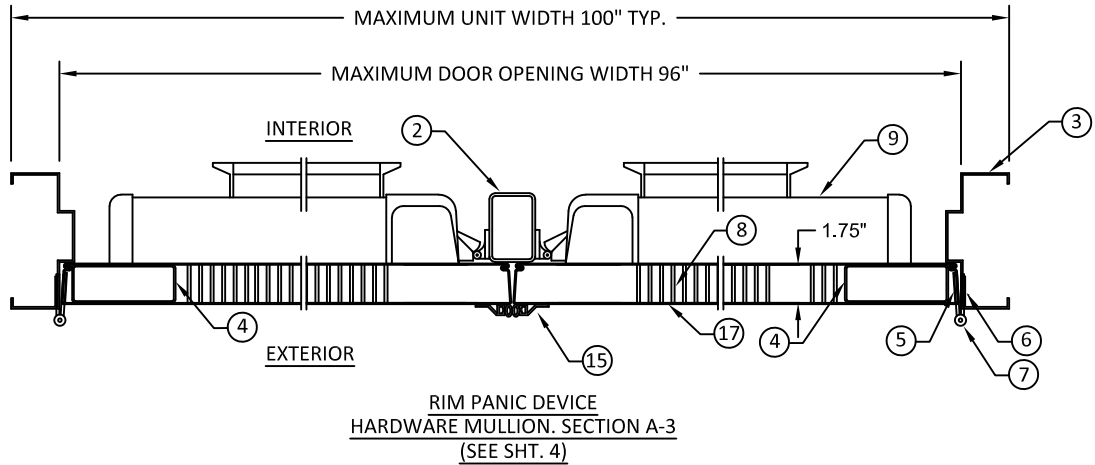
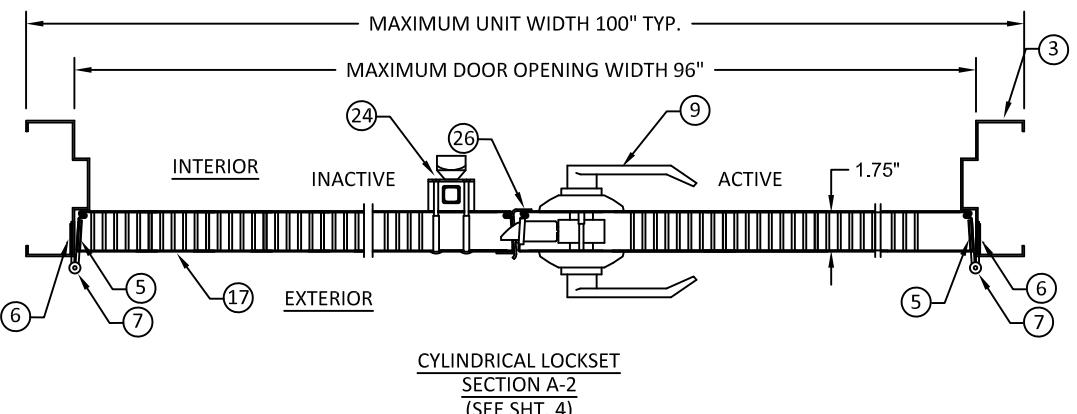
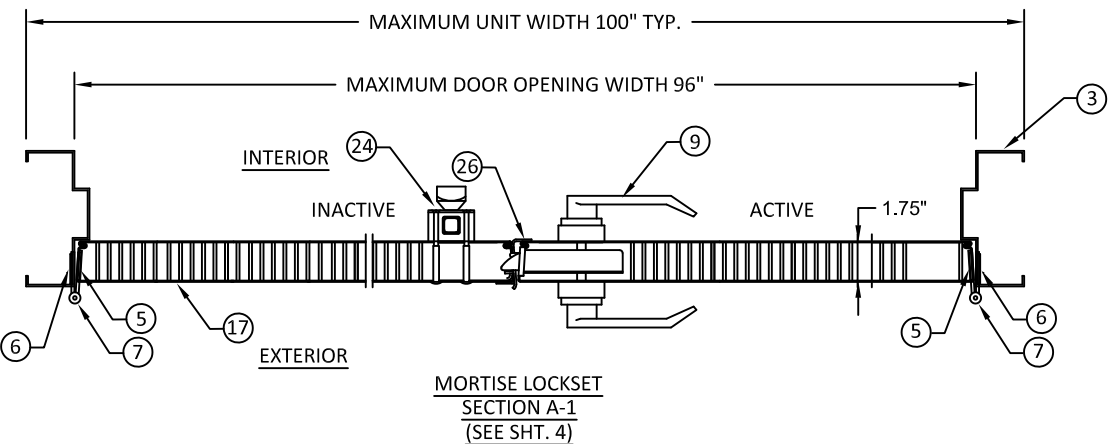
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DATE:	04.10.23
DWG. BY:	DI
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	FDDA330
SHEET:	

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NOTE:
1. SEE TABLE 1 SHEET 2 & 3 FOR DOOR OPENING WIDTHS



ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

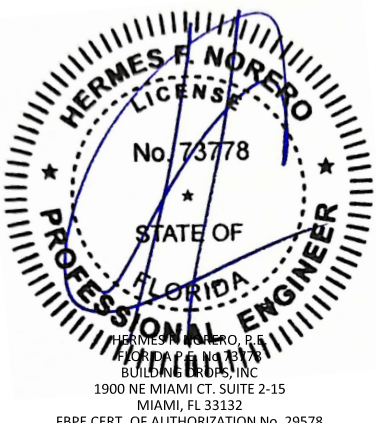
TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)
DOOR & FRAME OUTSWING
HORIZONTAL SECTION VIEWS

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



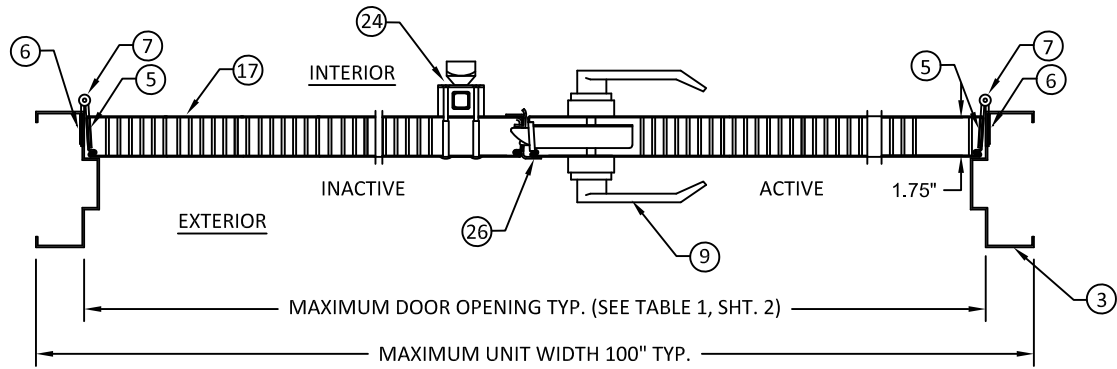
REMARKS	BY	DATE
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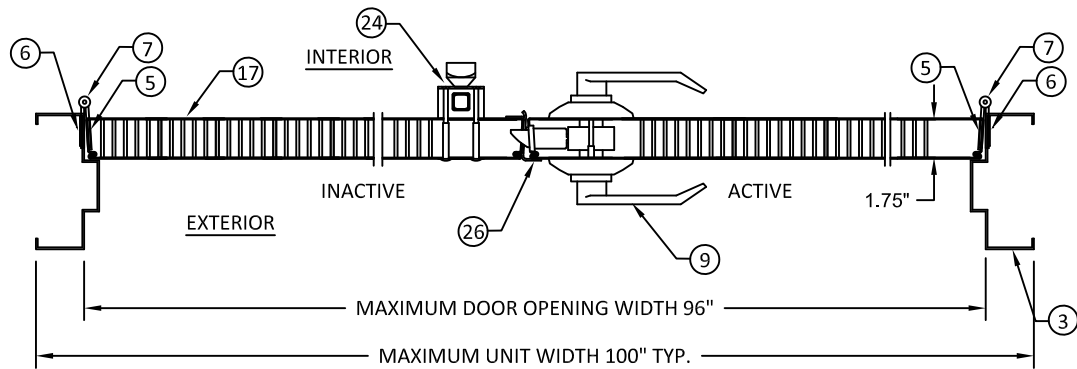


FL10356	
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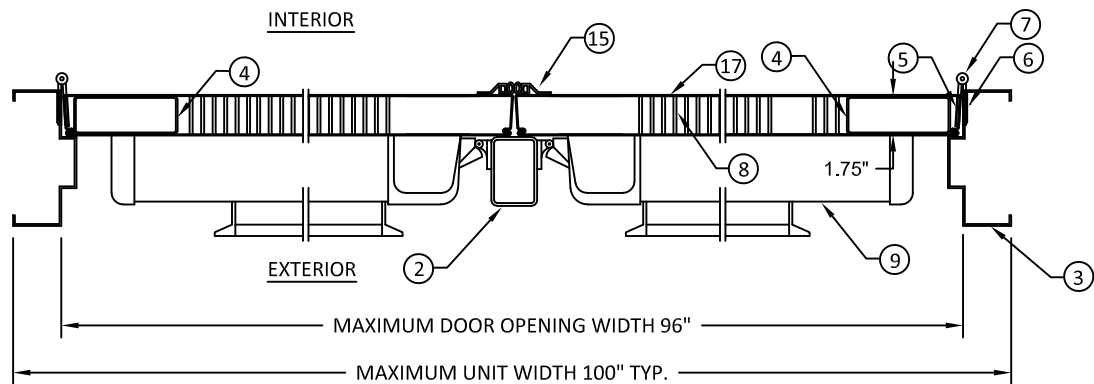
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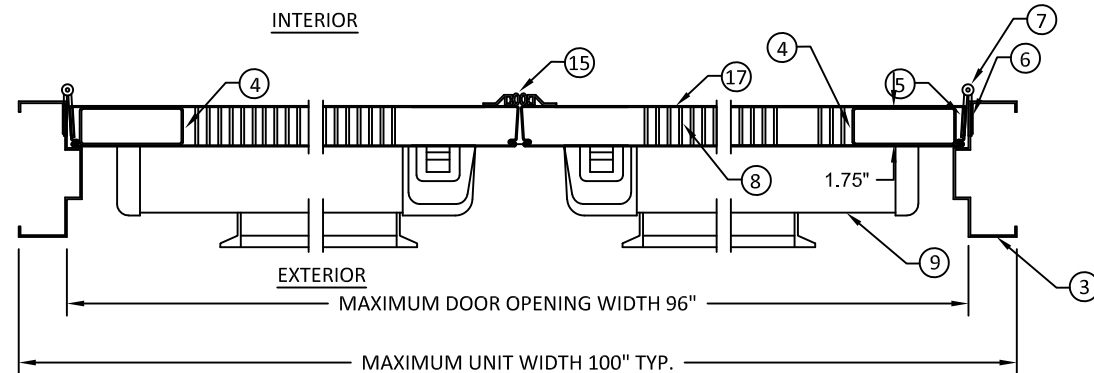
MORTISE LOCKSET
SECTION A-1
(SEE SHT. 4)



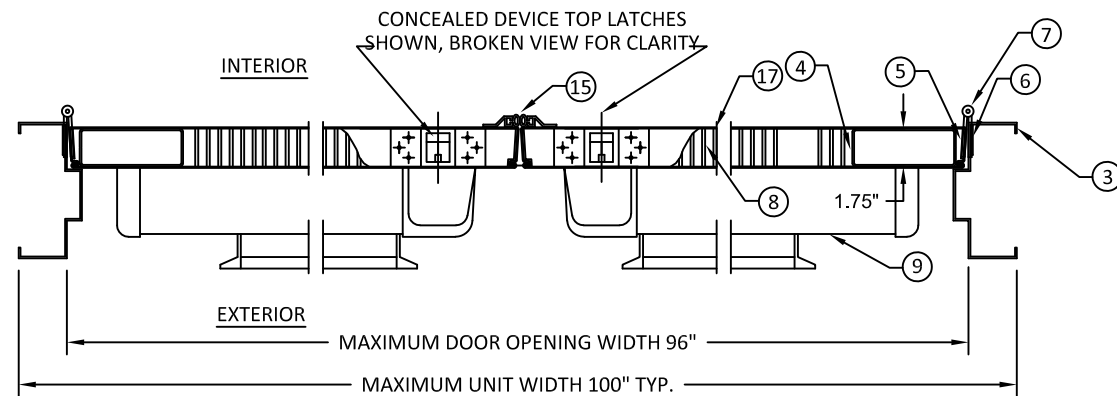
CYLINDRICAL LOCKSET
SECTION A-2
(SEE SHT. 4)



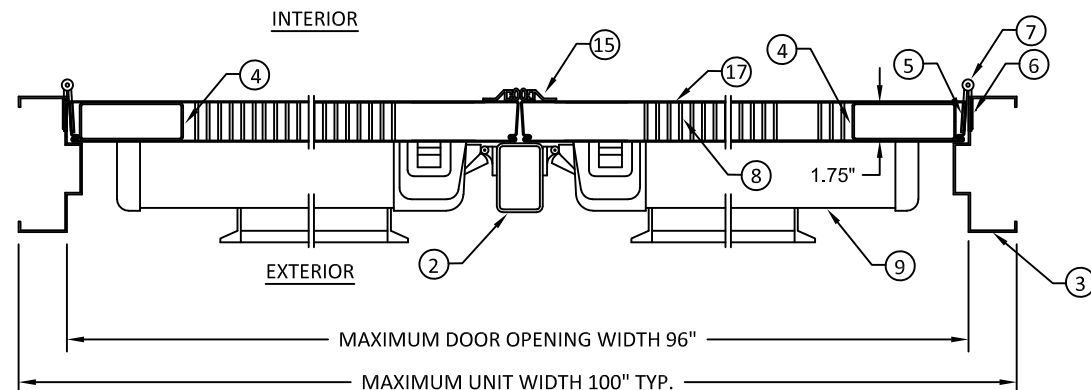
RIM PANIC DEVICE
HARDWARE MULLION. SECTION A-3
(SEE SHT. 4)



SURFACE VERTICAL ROD DEVICE
SECTION A-6
(SEE SHT. 5)



CONCEALED VERTICAL ROD DEVICE
SECTION A-8
(SEE SHT. 5)



3-POINT LATCHING DEVICE
HARDWARE MULLION. SECTION A-5 (SEE SHT. 5)

NOTE:
1. SEE TABLE 1 SHEET 2 & 3 FOR DOOR OPENING WIDTHS



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11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)

DOOR & FRAME INSWING
HORIZONTAL SECTION VIEWS

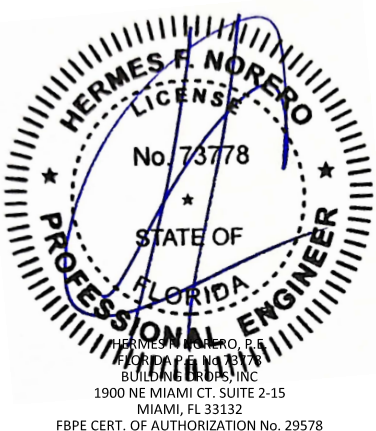
PREPARED BY:
BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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SHEET:

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OF 32

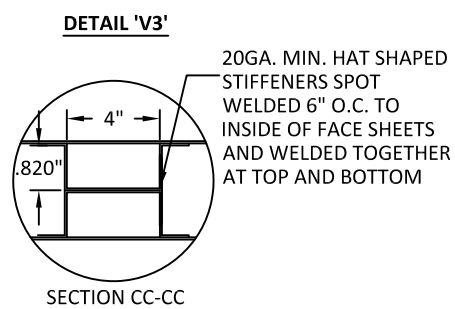
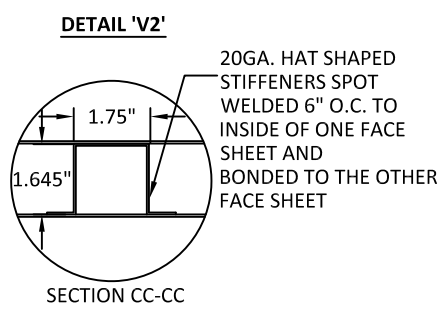
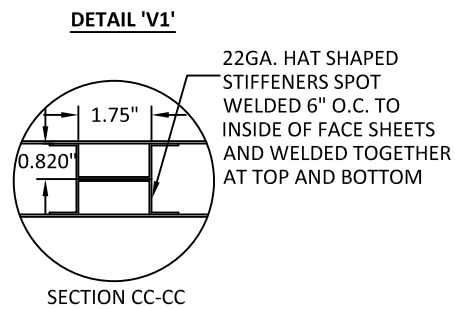
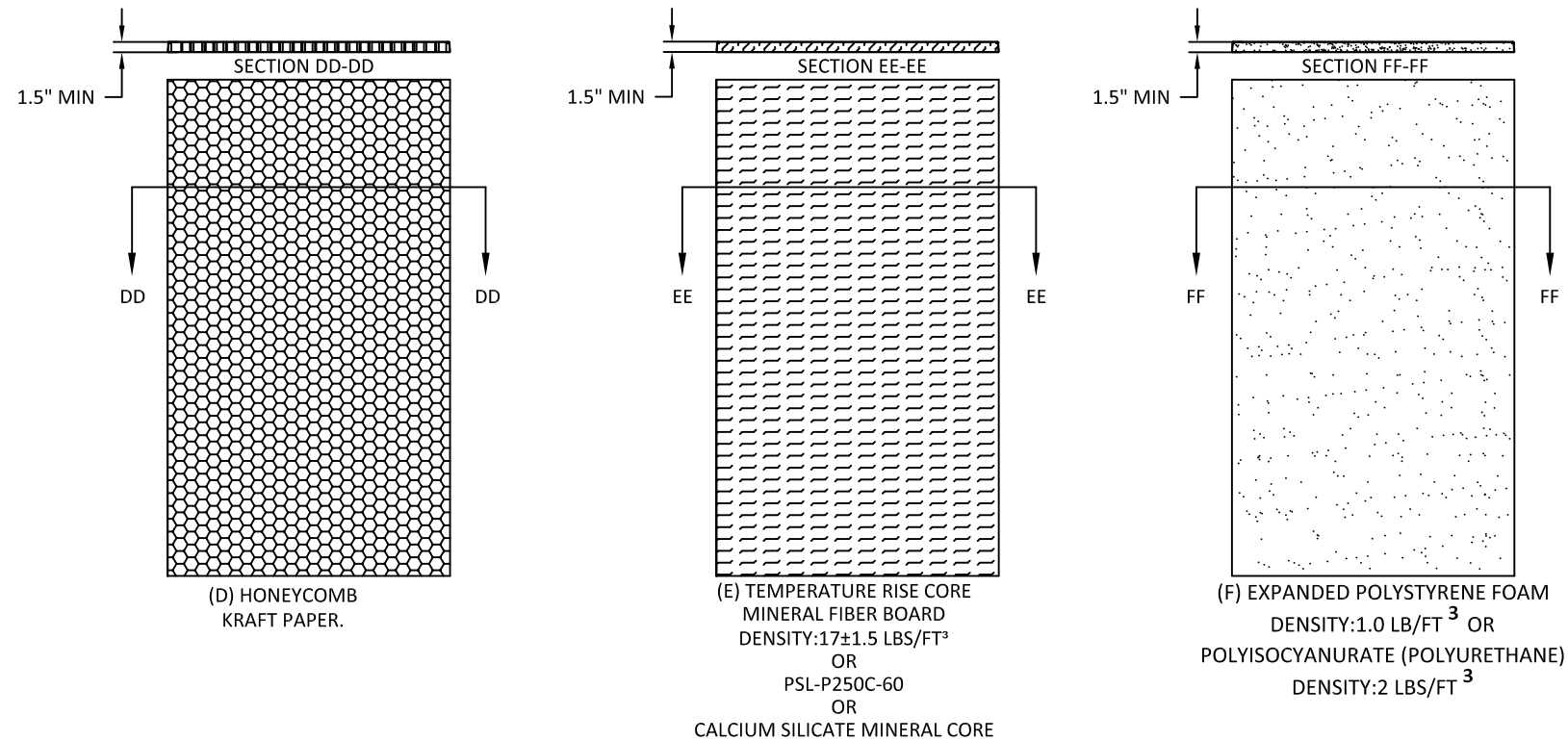
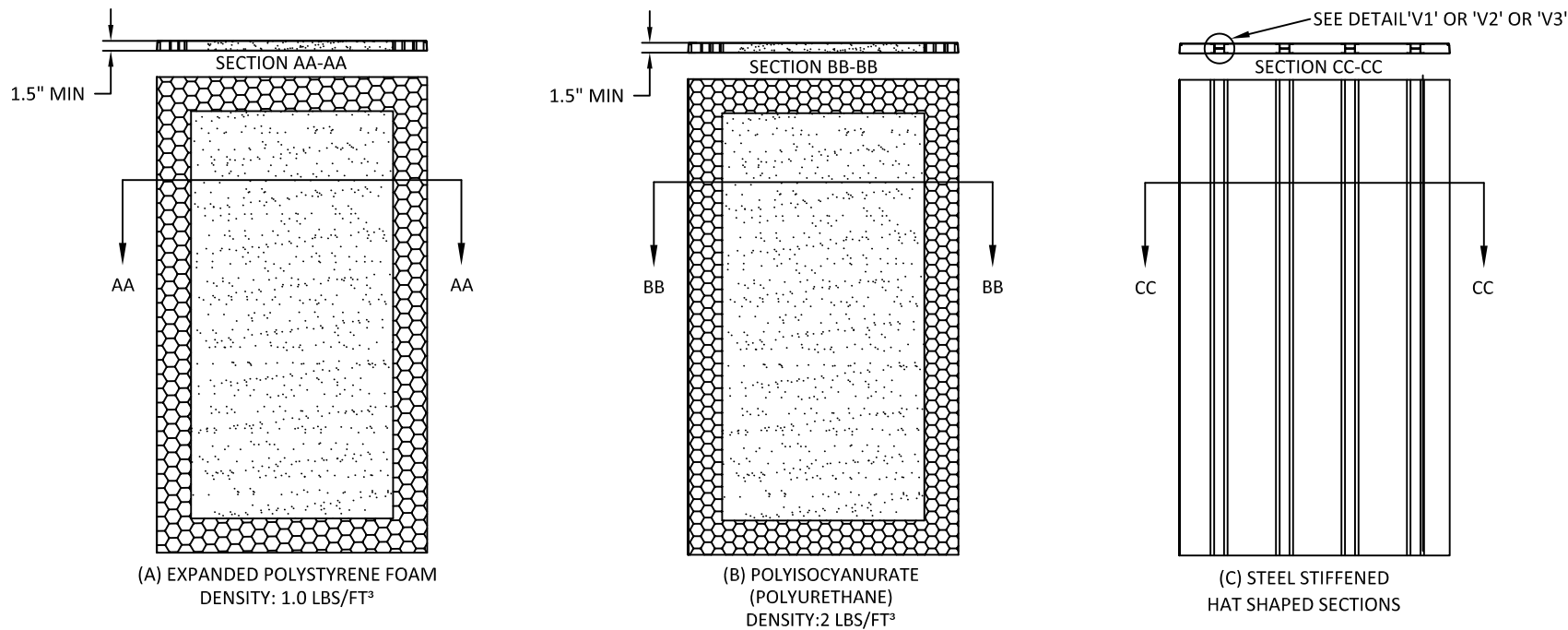


TABLE 3: AVAILABLE STEELCRAFT DOOR CONFIGURATIONS

STEELCRAFT DOOR SERIES	DOOR CORE MATERIAL PER SHT. 11	MAXIMUM OPENING SIZE		SKIN MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
L	HONEYCOMB POLYSTYRENE POLYURETHANE	8'-0"	8'-0"	CRS. GALV.	18/.044" 16/.053" 14/.067"
B	STEEL STIFFENED	8'-0"	8'-0"	CRS. GALV.	18/.044" 16/.053" 14/.067"
SL/SZ	HONEYCOMB POLYSTYRENE POLYURETHANE	8'-0"	8'-0"	CRS. GALV.	18/.044" 16/.053"
T	MINERAL FIBER	8'-0"	8'-0"	CRS. GALV.	18/.044" 16/.053" 14/.067"
EMBOSSSED	POLYSTYRENE	8'-0"	8'-0"	GALV.	18/.044" 16/.053"

- NOTES:
- CORE MATERIAL SHOWN WITHOUT CUTOUTS FOR REINFORCEMENTS
 - STIFFENER QUANTITY VARIES PER DOOR WIDTH



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CARMEL, IN 46032
PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)

DOOR PANEL & CORE DETAILS

PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



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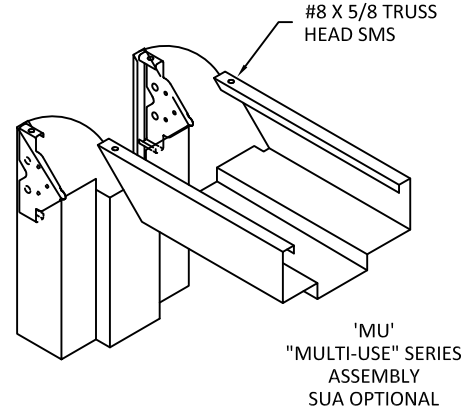
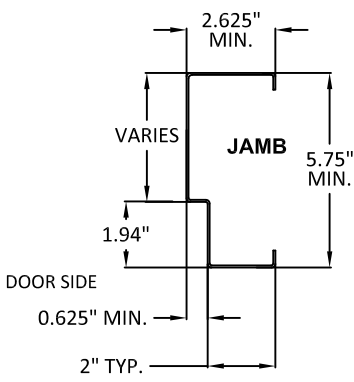
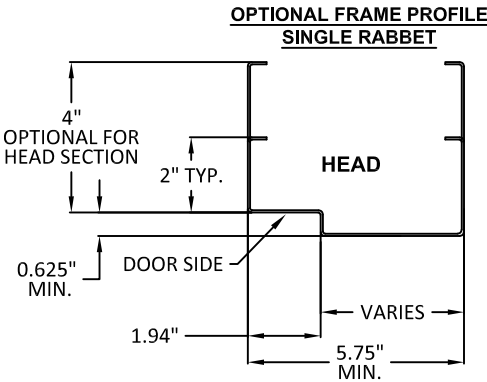
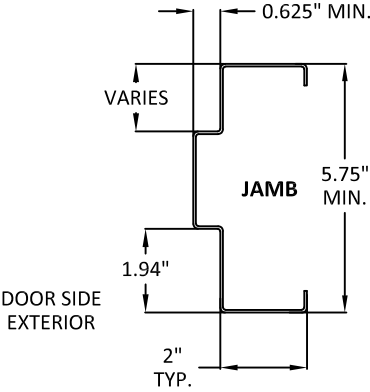
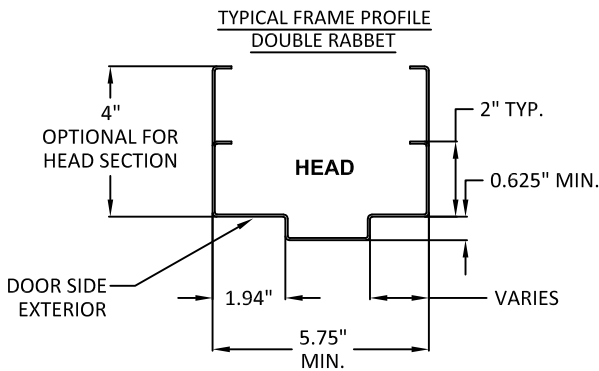
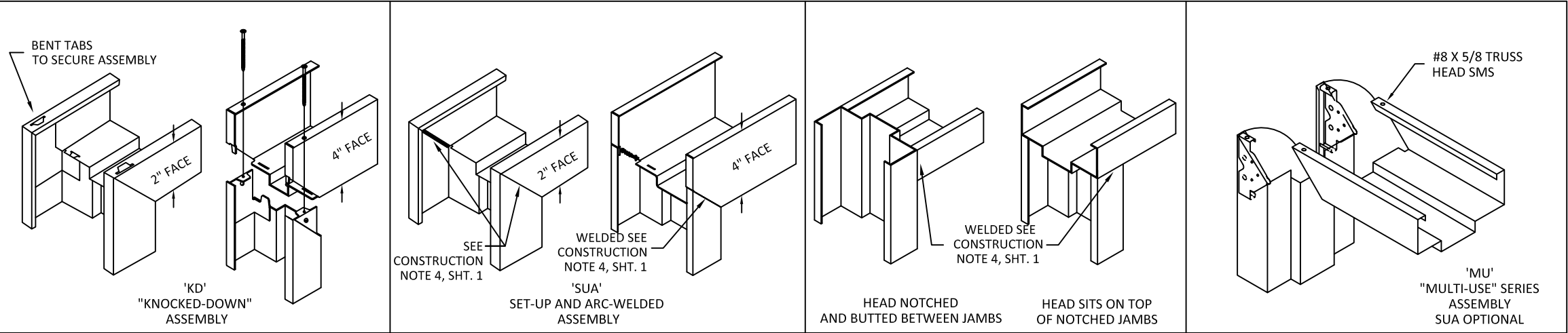


TABLE 4: AVAILABLE STEELCRAFT FRAME CONFIGURATIONS

FRAME SERIES	JAMB DEPTH	MAX. OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
F	5.75" MIN.	8'0"	8'0"	CRS/HRS GALV	16/.053" 14/.067" 12/.099"
MU	5.75" MIN.	8'0"	8'0"	CRS/HRS GALV	16/.053" 14/.067"

TABLE 5: STEEL MECHANICAL PROPERTIES

MATERIAL	ASTM REF.	YIELD KSI	TENSILE KSI
CRS	A1008	MIN. 30.1	MIN. 44.7
HRS	A1011		
GALV.	A924/A653		



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PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)

STEELCRAFT: FRAME DETAILS &
CORNER CONSTRUCTION

PREPARED BY:

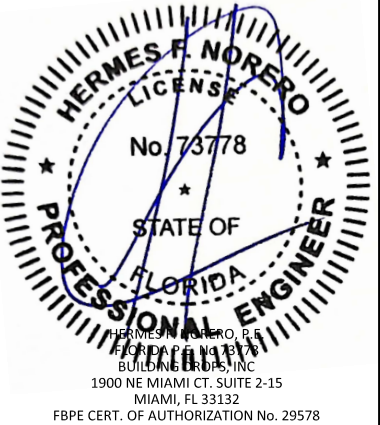
BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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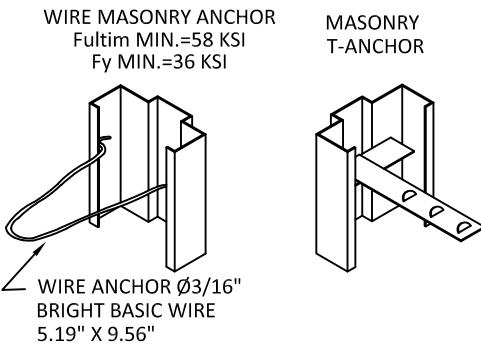
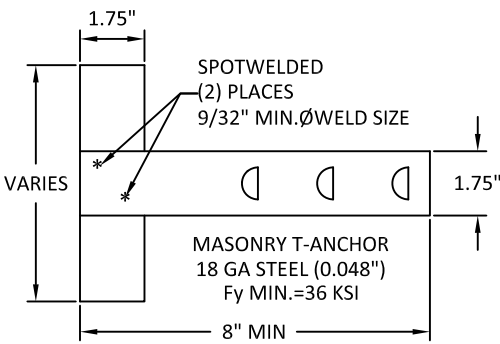
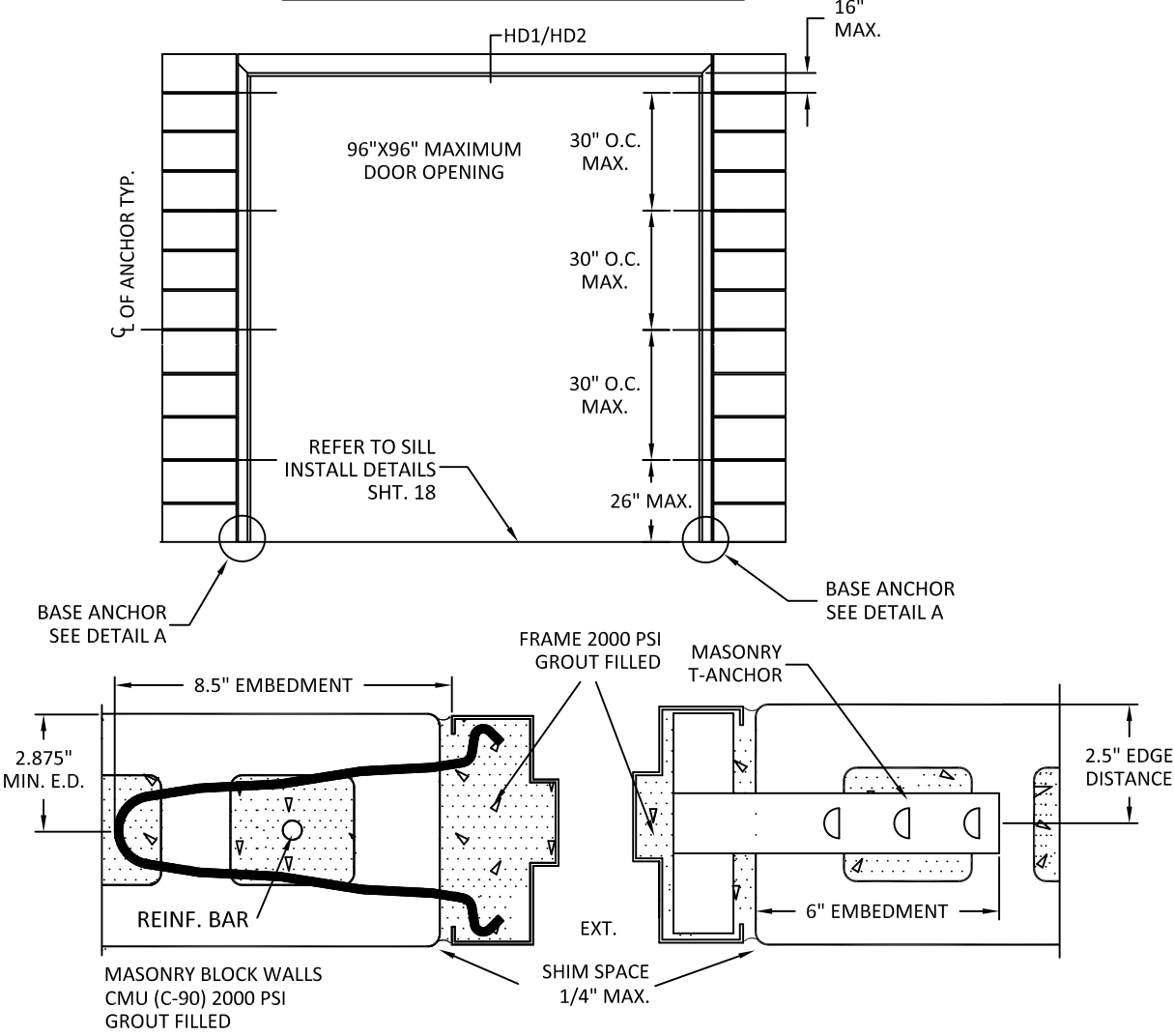
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OF 32

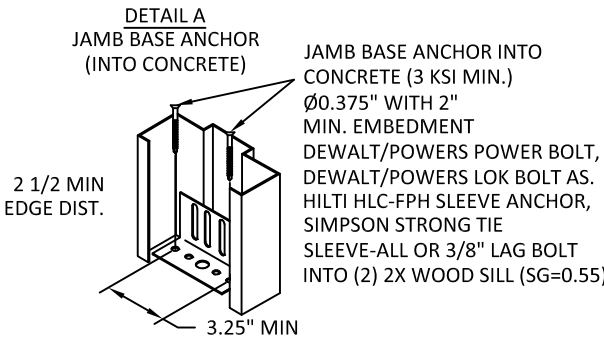
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**WIRE OR T MASONRY ANCHOR INTO
GROUT FILLED FRAME AND BLOCK WALL**



NOTES:

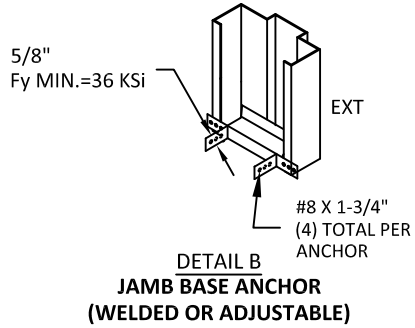
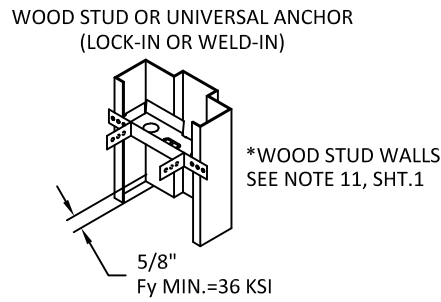
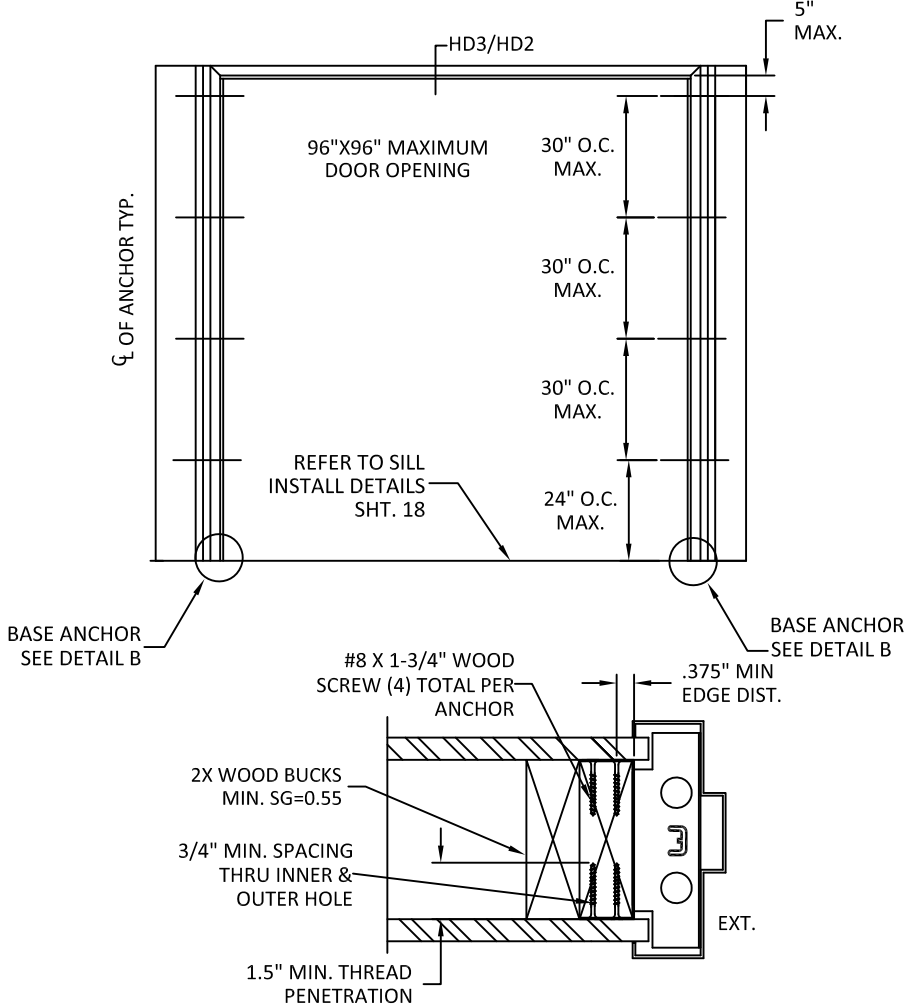
1. (*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 250 #/FT. LOAD FOR ASSEMBLIES RATED @ 60 PSF WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK.
4. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL.
5. THE INSTALLATION DETAILS DESCRIBED HEREIN MAY NOT REFLECT ACTUAL CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.



B

WOOD STUD ANCHOR

SEE PAGE 27 FOR
OPTION 2 ANCHOR DETAILS



ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)

STEELCRAFT: ANCHORS - WIRE
OR T MASONRY ANCHOR & WOOD STUD

PREPARED BY:

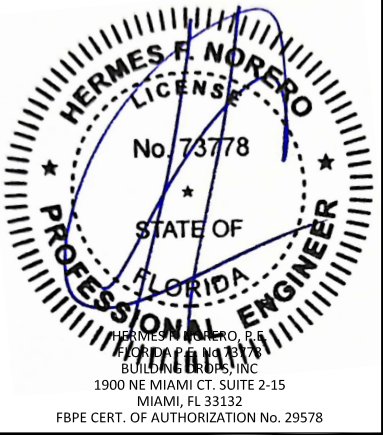
BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.06.25

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FL10356

DATE: **04.10.23**

DWG. BY: **DI** CHK. BY: **HFN**

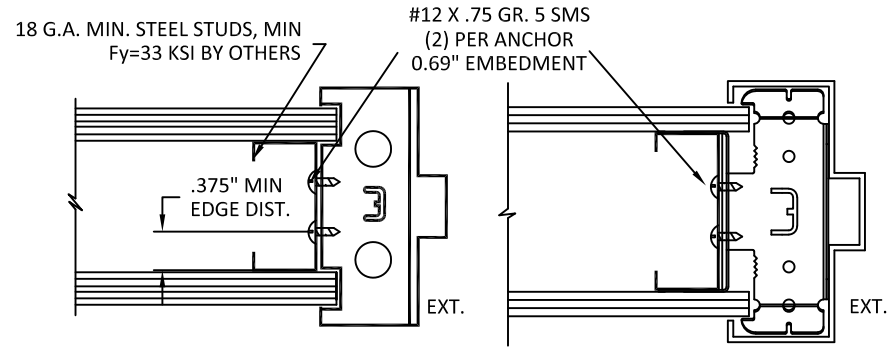
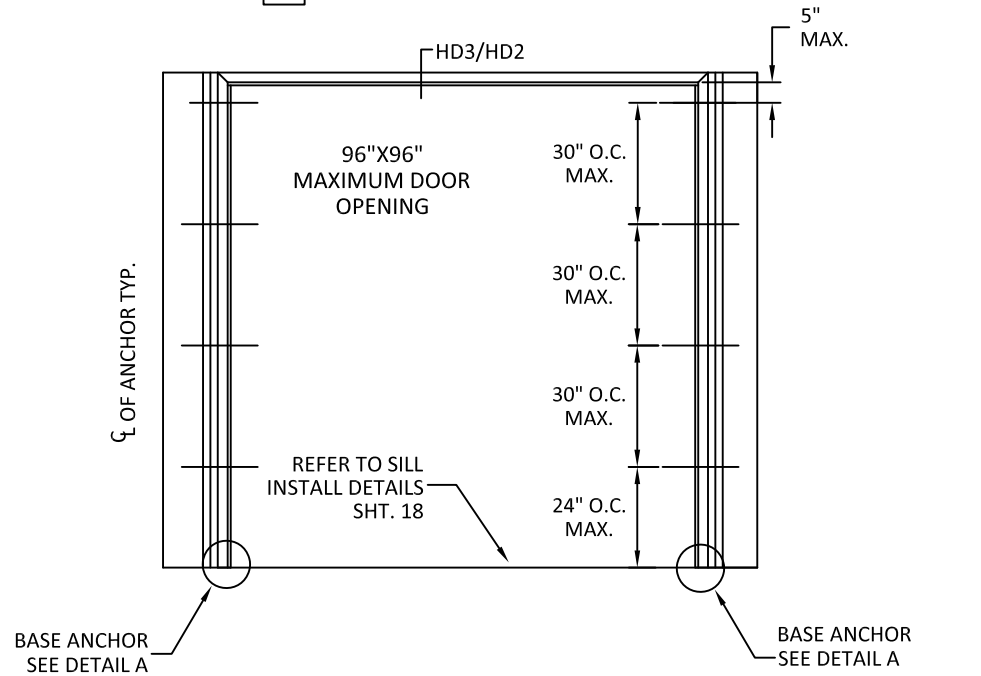
SCALE: **NTS**

DWG. #: **FDDA330**

SHEET:
13
OF 32

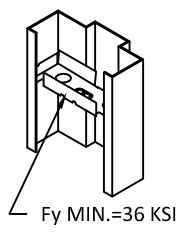
SEE PAGE 28 FOR
OPTION 2 ANCHOR DETAILS

C STEEL STUD ANCHOR

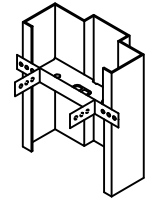


STEEL STUD ANCHOR
WELD-IN OR LOCK-IN

UNIVERSAL ANCHOR
WELD-IN OR LOCK-IN

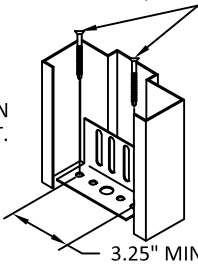


*STEEL STUD WALLS
SEE NOTE 11, SHT. 1



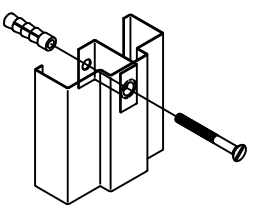
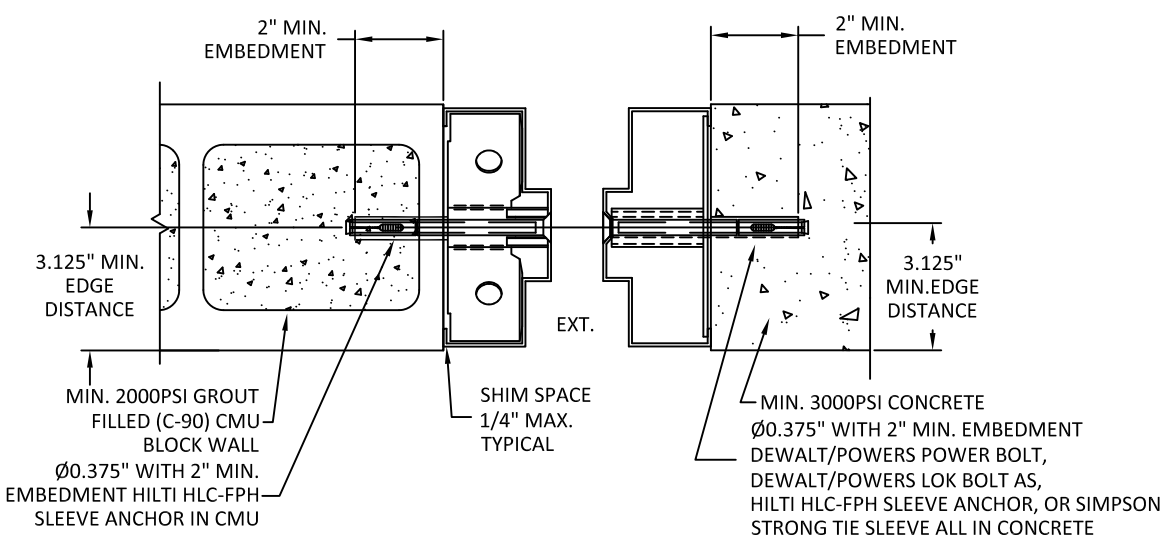
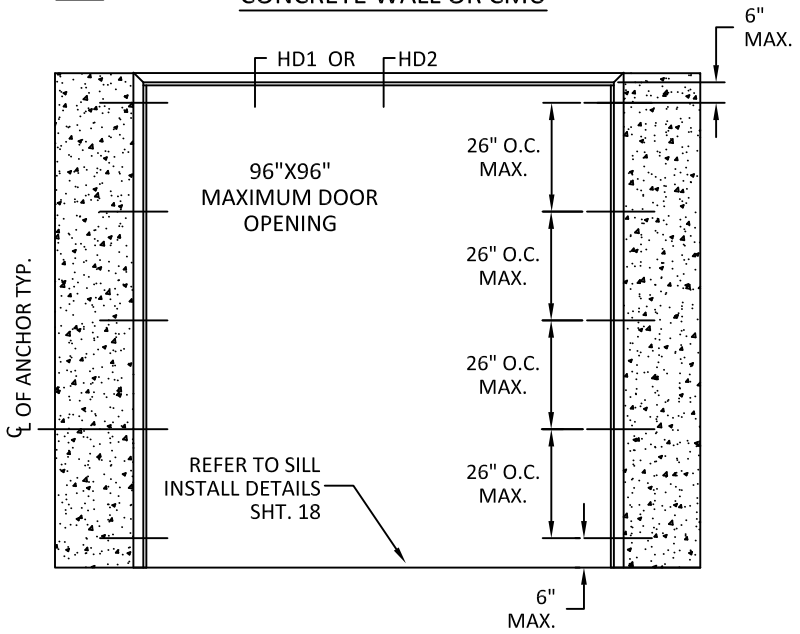
DETAIL A
JAMB BASE ANCHOR
(INTO CONCRETE)

2 1/2 MIN
EDGE DIST.

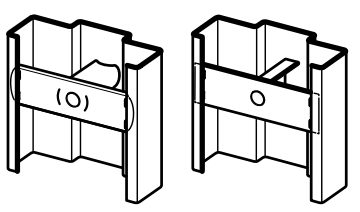


JAMB BASE ANCHOR INTO
CONCRETE (3 KSI MIN.)
Ø0.375" WITH 2"
MIN. EMBEDMENT
DEWALT/POWERS POWER BOLT,
DEWALT/POWERS LOK BOLT AS,
HILTI HLC-FPH SLEEVE ANCHOR,
SIMPSON STRONG TIE
SLEEVE-ALL OR 3/8" LAG BOLT
INTO (2) 2X WOOD SILL (SG=0.55)

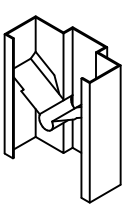
D EXISTING MASONRY ANCHOR (EMA) INTO
CONCRETE WALL OR CMU



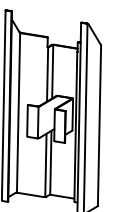
EMA-U ANCHOR



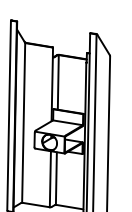
TUBE/CHANNEL &
PLATE BOLT-IN



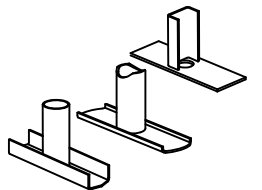
LOCK-IN



EMA-U ANCHOR



WELD-IN



TUBE & PLATE
WELD-IN EMA
ANCHOR

NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 250 #/FT. LOAD FOR ASSEMBLIES RATED @ 60 PSF WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3.SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK.
4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL.
5.THE INSTALLATION DETAILS DESCRIBED HEREIN MAY NOT REFLECT ACTUAL CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.



ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)

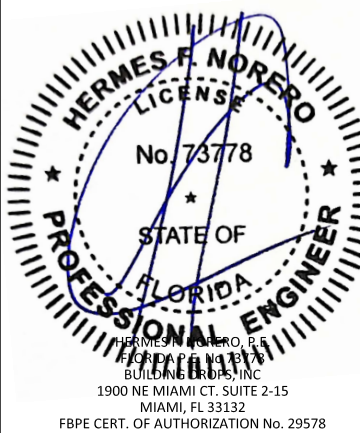
STEELCRAFT: ANCHORS - STEEL STUD &
EMA INTO CONCRETE WALL OR CMU

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



REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.06.25

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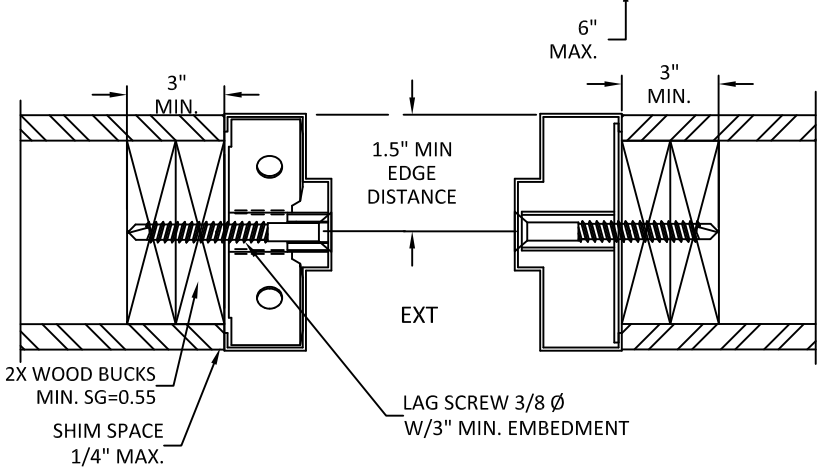
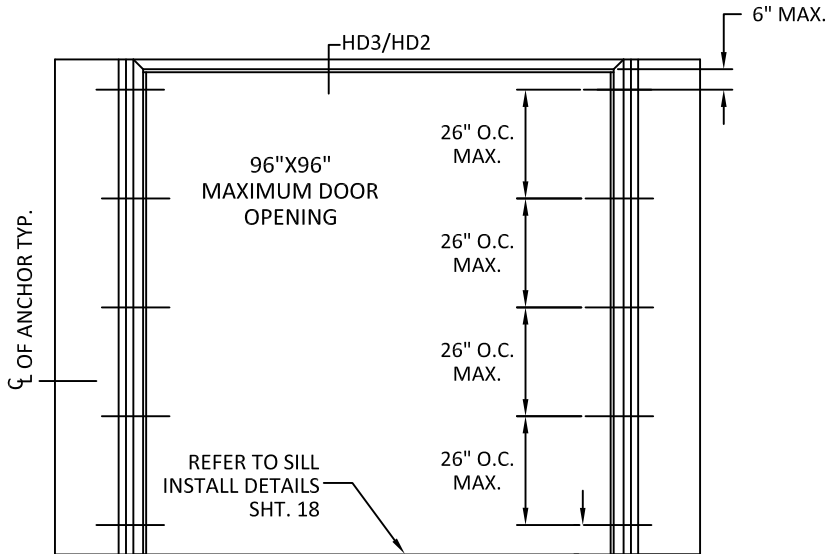
FL10356

DATE:	04.10.23
DWG. BY:	DI
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	FDDA330
SHEET:	14

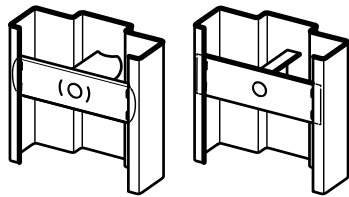
SEE PAGE 29 FOR
OPTION 2 ANCHOR DETAILS

E

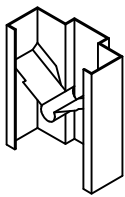
**EXISTING MASONRY ANCHOR (EMA)
WITH LAG BOLT INTO WOOD STUD WALL**



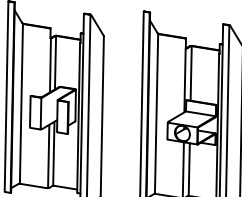
*WOOD STUD WALLS
SEE NOTE 11, SHT.1



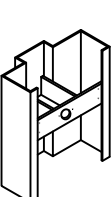
TUBE/CHANNEL &
PLATE BOLT-IN



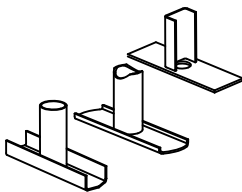
LOCK-IN



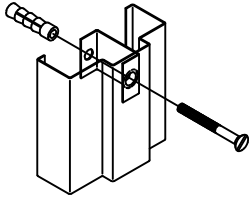
EMA-U ANCHOR



WELD-IN



TUBE & PLATE
WELD-IN EMA
ANCHOR



EMA-U ANCHOR

NOTES:

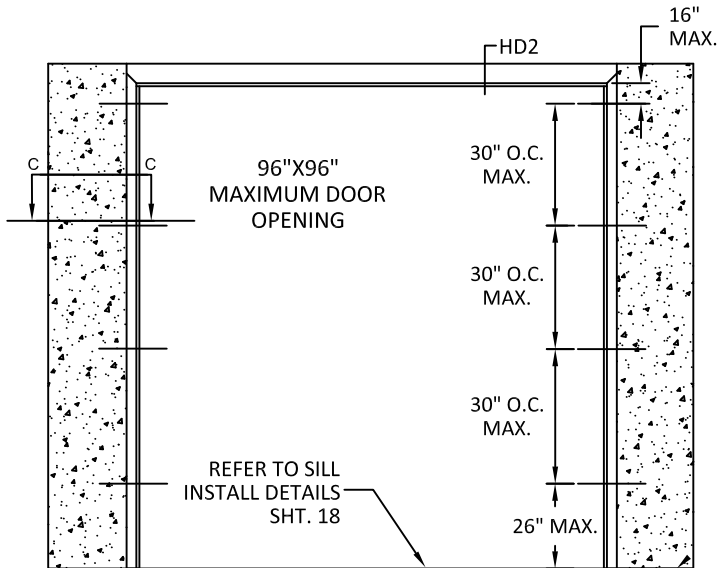
1. (*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 250 #/FT. LOAD FOR ASSEMBLIES RATED @ 60 PSF WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK.
4. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL.
5. THE INSTALLATION DETAILS DESCRIBED HEREIN MAY NOT REFLECT ACTUAL CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.

NOTE:

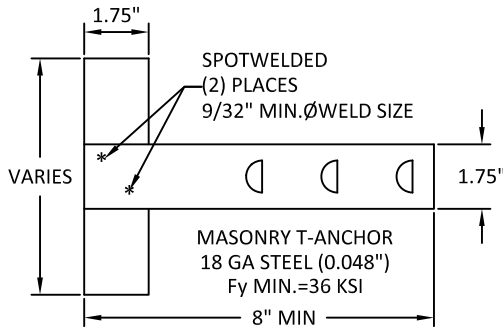
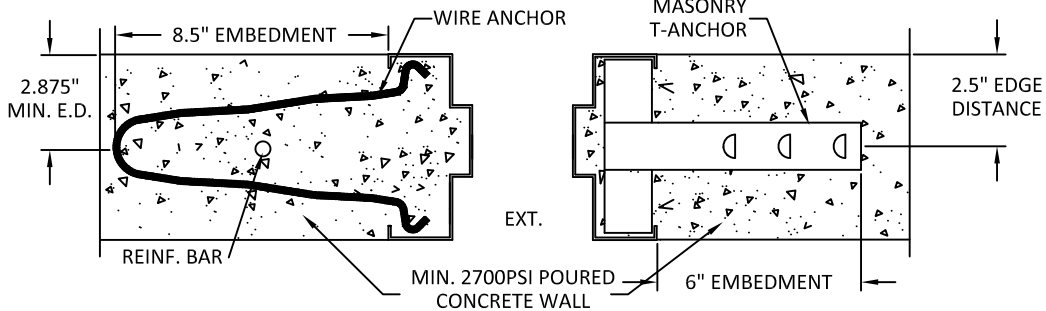
1. 3/8" LAG SCREWS TO BE MIN SAE GRADE 2 OR EQUIVALENT.

F

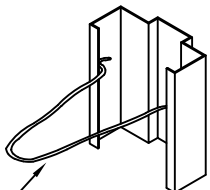
**POURED CONCRETE
TILT UP WALL**



**CROSS-SECTION C-C
POURED CONCRETE OPTION**

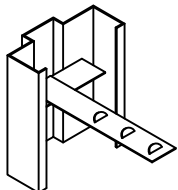


WIRE MASONRY ANCHOR
Fultim MIN.=58 KSI
Fy MIN.=36 KSI



WIRE ANCHOR Ø3/16"
BRIGHT BASIC WIRE
5.19" X 9.56"

MASONRY
T-ANCHOR



ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)
STEELCRAFT: ANCHORS - EMA W/
LAG BOLT IN WOOD STUD WALL
& POURED CONCRETE TILT UP WALL

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.06.25

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FL10356

DATE: **04.10.23**

DWG. BY:
DI

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **FDDA330**

SHEET:

15

OF 32

SEE PAGE 30 FOR
OPTION 2 ANCHOR DETAILS



ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)

STEELCRAFT: ANCHORS - FRAMES BOLTED
TO BUILDING STRUCTURE

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15

MIAMI, FL 33132

PH: (954)399-8478

FAX: (954)744-4738

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REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
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FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED
ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC
DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL10356

DATE: 04.10.23

DWG. BY:
DI

CHK. BY:
HFN

SCALE: NTS

DWG. #: FDDA330

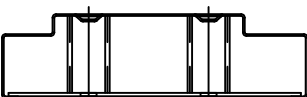
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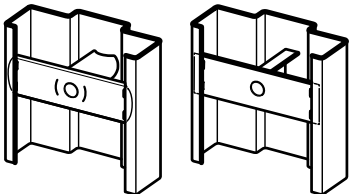
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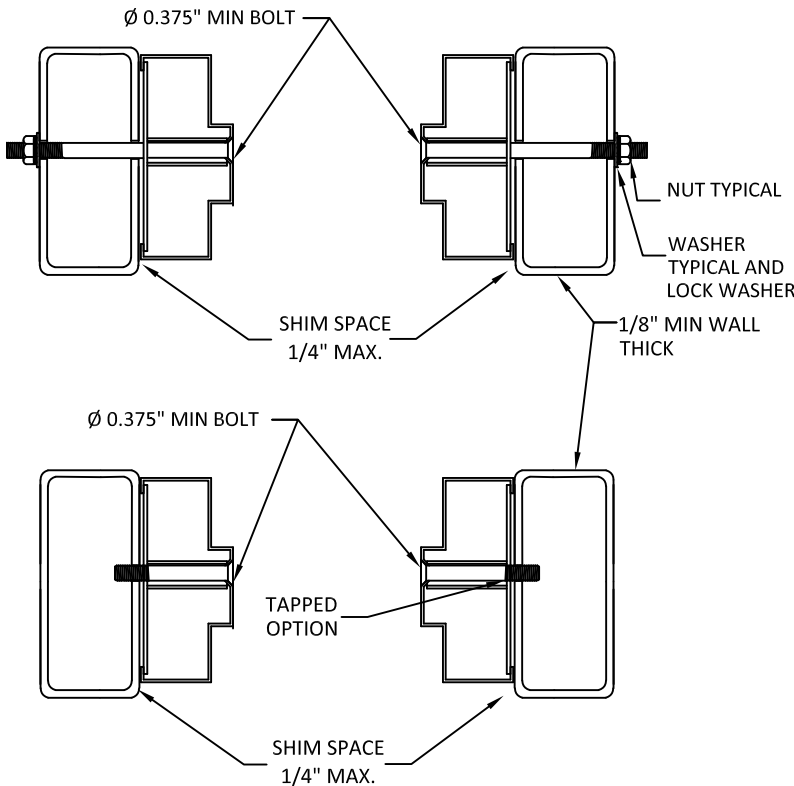
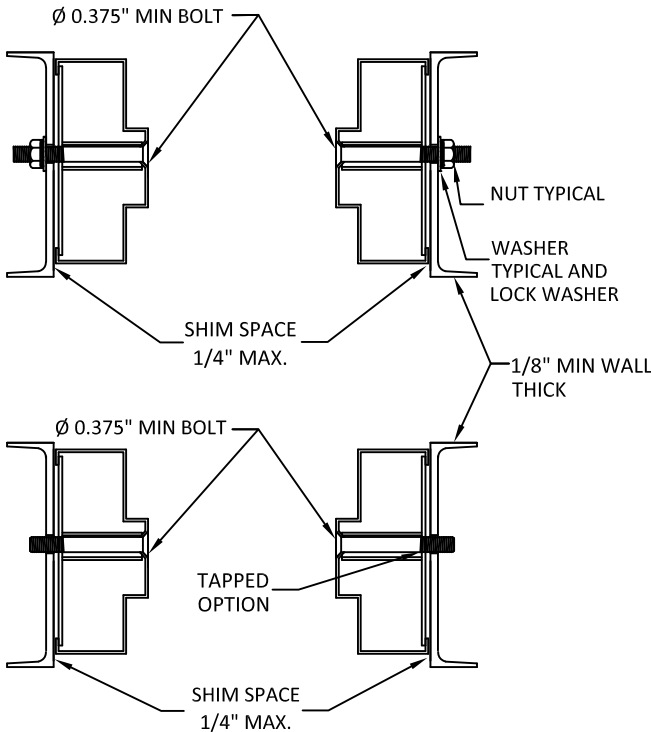
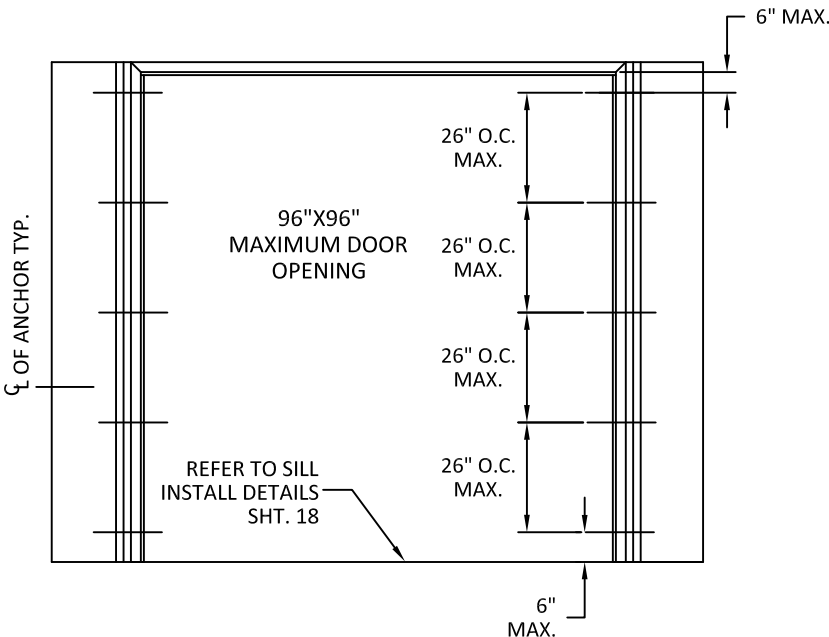
FRAMES BOLTED TO BUILDING STRUCTURE



9 1/4" JAMB DEPTH AND ABOVE
REQUIRES 2 ANCHOR BOLTS



TUBE/CHANNEL &
PLATE BOLT-IN



NOTE:
1. 3/8" BOLTS AND NUTS TO BE MIN SAE GRADE 2 OR EQUIVALENT.

NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD
WALLS MUST BE DESIGNED TO CARRY AT LEAST 250 #/FT. LOAD FOR
ASSEMBLIES RATED @ 60 PSF WHICH SHOULD BE VERIFIED BY THE
APPROPRIATE OFFICIAL.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY
MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3.SEALE ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR
SILICONE CAULK.
4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL
LENGTH OF SILL.
5.THE INSTALLATION DETAILS DESCRIBED HEREIN MAY NOT REFLECT ACTUAL
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HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC
DOCUMENTS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.



ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)
STEELCRAFT: ANCHORS - FRAMES
WELDED TO STEEL STRUCTURE BUILDING

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15

MIAMI, FL 33132

PH: (954)399-8478

FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
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FL10356

DATE: 04.10.23

DWG. BY:
DI

CHK. BY:
HFN

SCALE: NTS

DWG. #: FDDA330

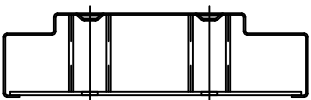
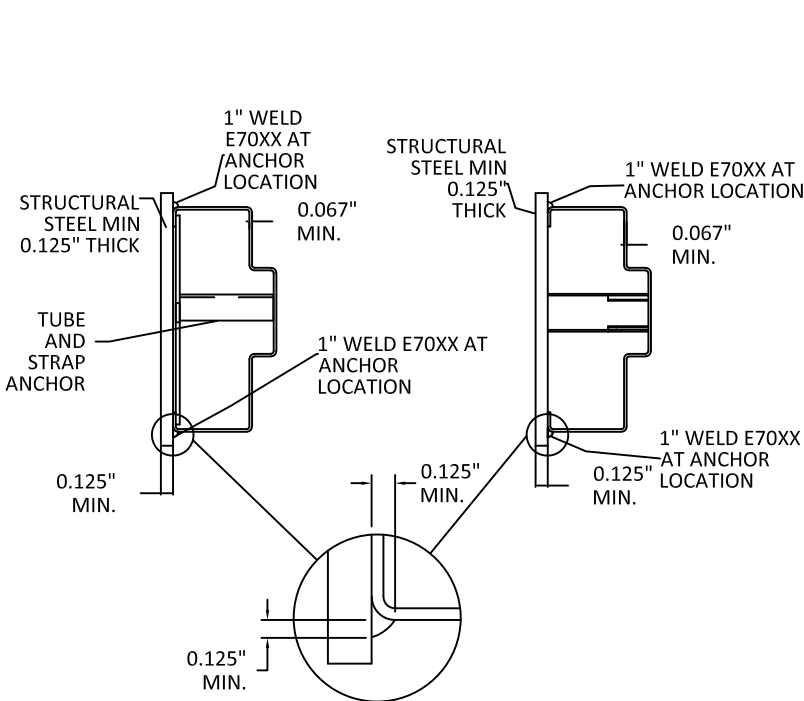
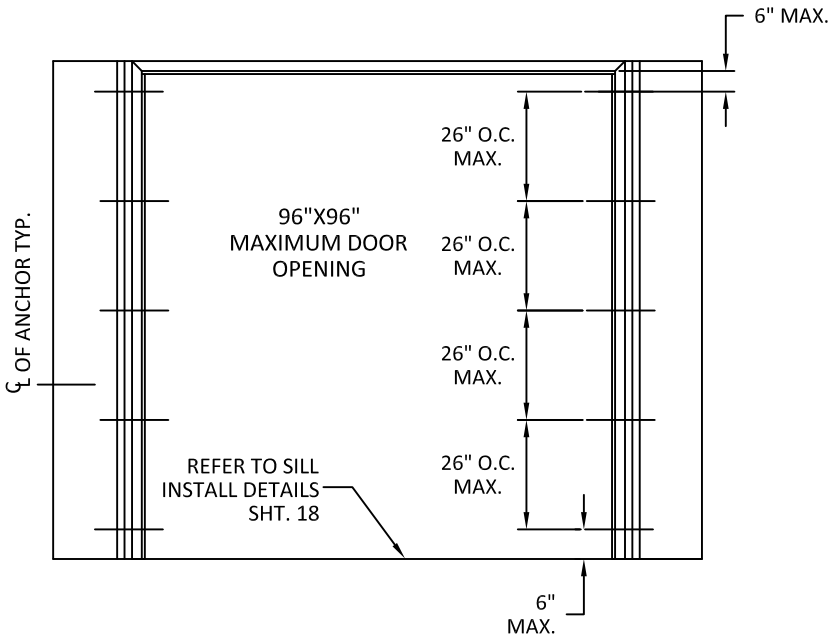
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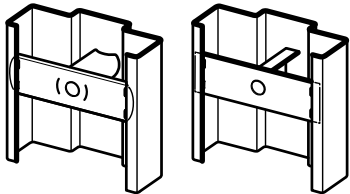
OF 32

H

WELDED ANCHOR
SHIM OR STEEL BUILDING
STRUCTURE



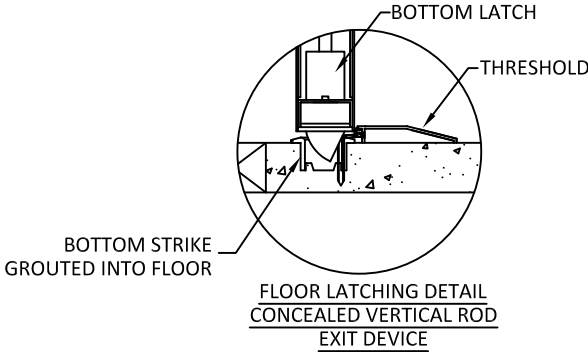
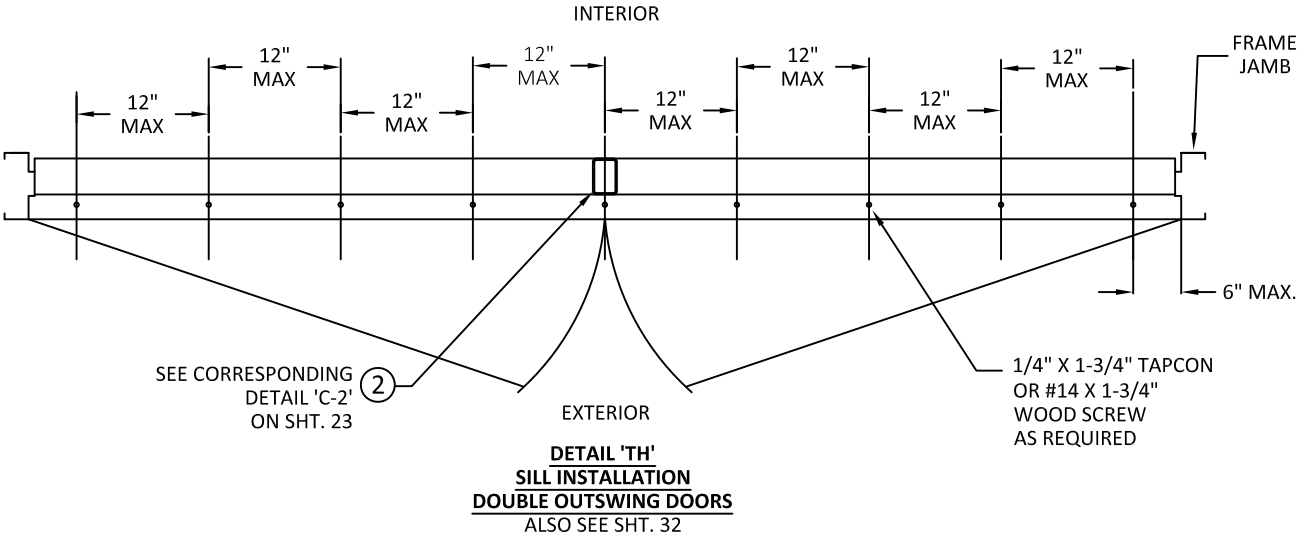
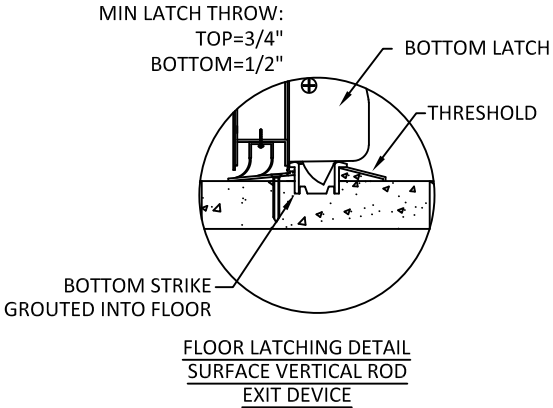
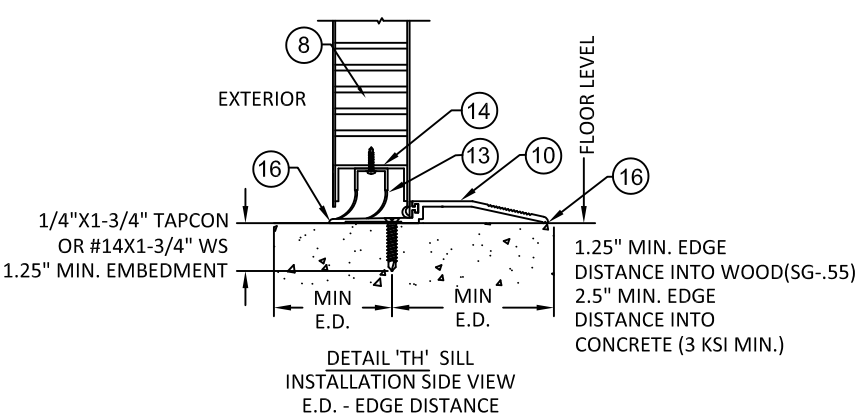
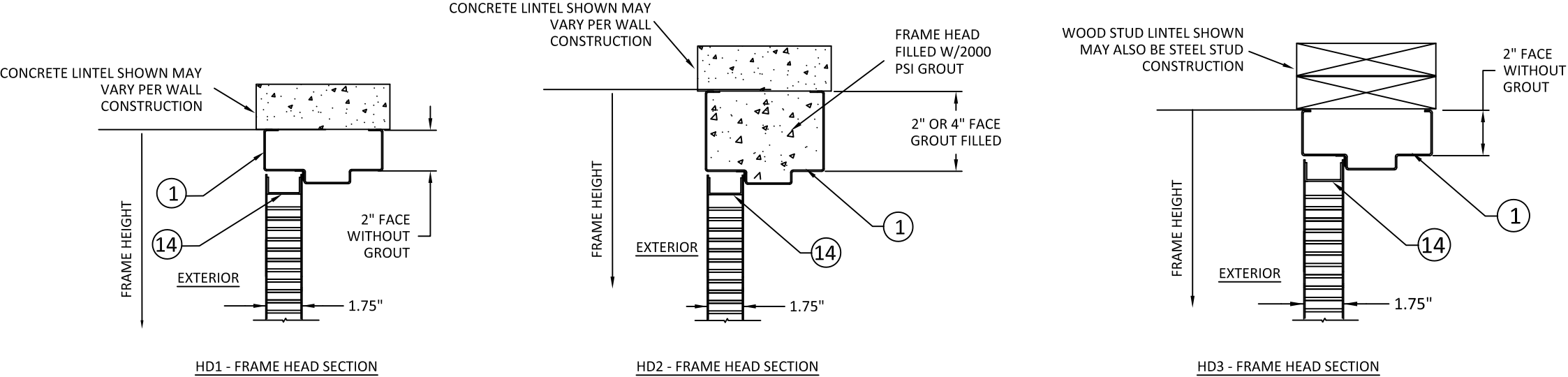
9 1/4" JAMB DEPTH AND ABOVE
REQUIRES 2 ANCHOR BOLTS



TUBE/CHANNEL &
PLATE BOLT-IN

NOTES:

- 1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 250 #/FT. LOAD FOR ASSEMBLIES RATED @ 60 PSF WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
- 2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
- 3.SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK.
- 4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL.
- 5.THE INSTALLATION DETAILS DESCRIBED HEREIN MAY NOT REFLECT ACTUAL CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.



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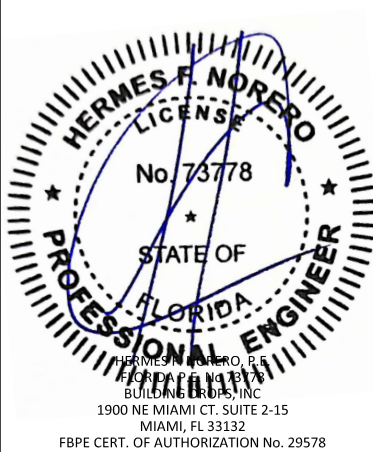
ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)
STEELCRAFT: FRAME HEAD &
SILL ANCHOR DETAILS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
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LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.06.25

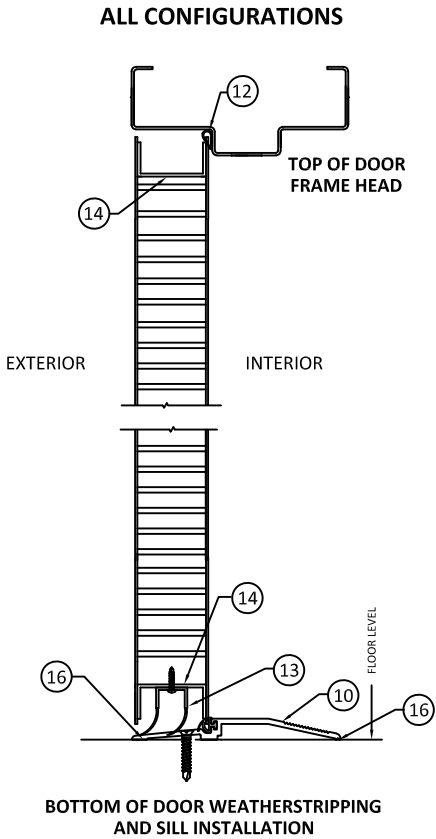
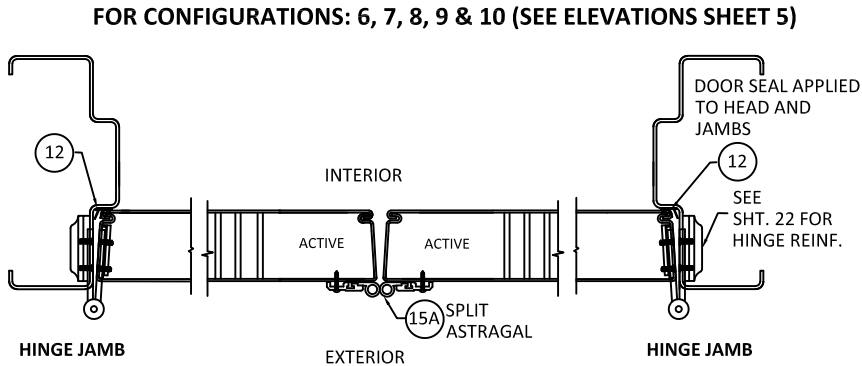
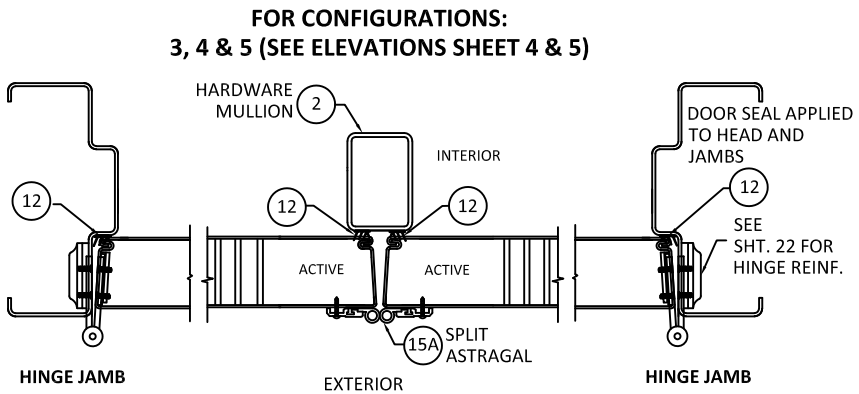
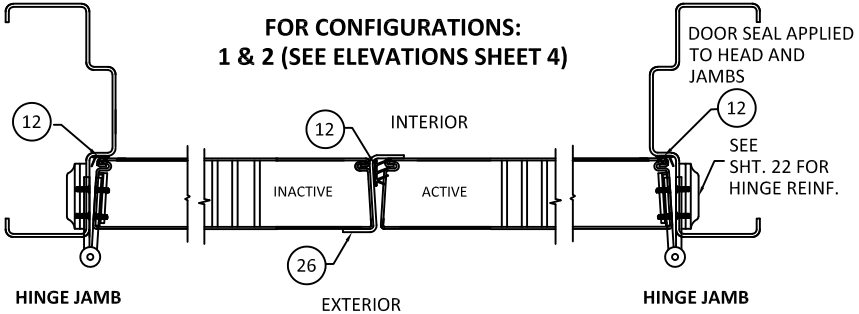
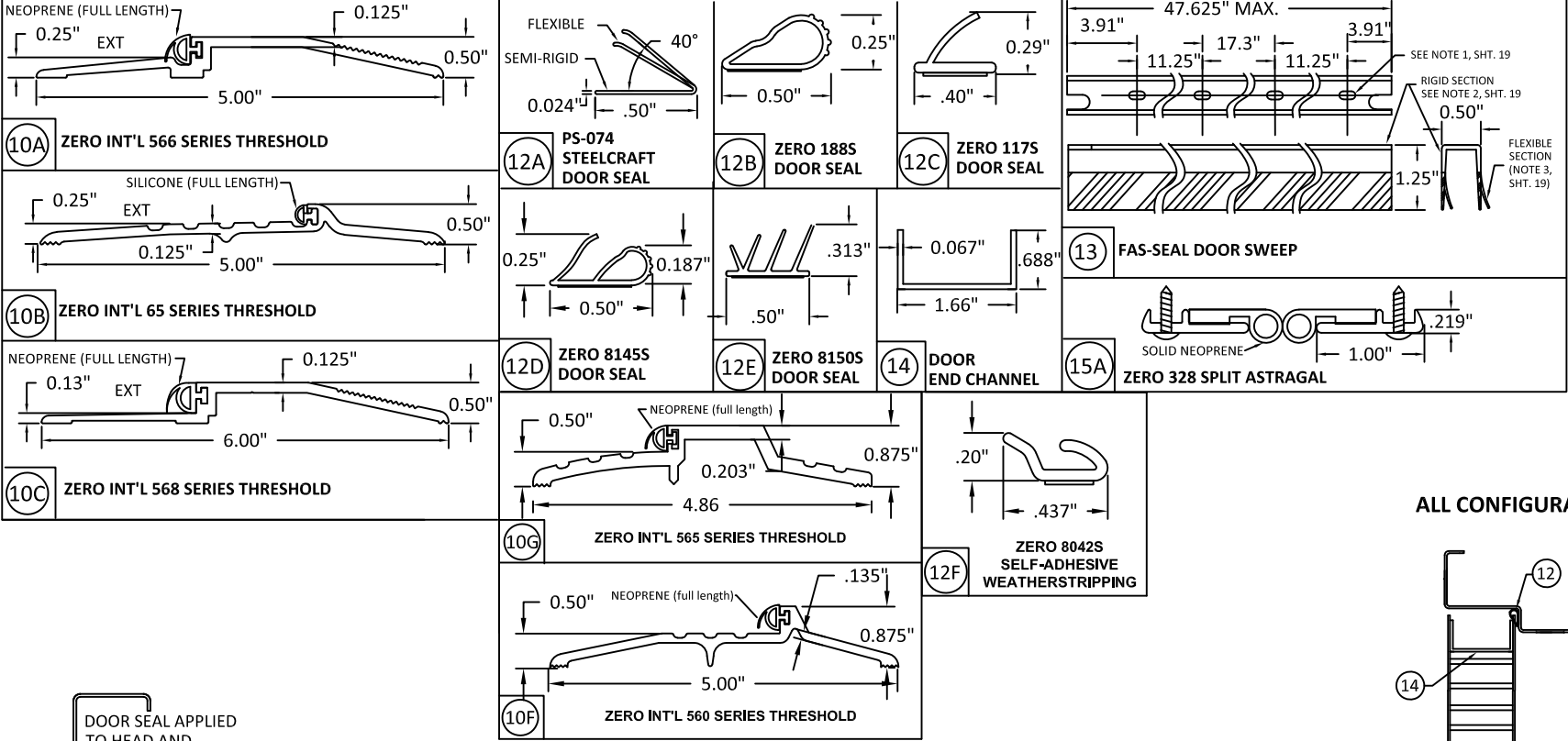
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL10356	
DATE: 04.10.23	
DWG. BY: DI	CHK. BY: HFN
SCALE: NTS	
DWG. #: FDDA330	
SHEET: 18 OF 32	

TABLE 6.1 NON WATER RATED PERIMETER SEAL HARDWARE - ZERO INT'L THRESHOLDS

ITEM NUMBER	MODEL NO./ DESCRIPTION	MFG.
10	10A 566 THRESHOLD	ZERO INT'L
	10B 65 THRESHOLD	ZERO INT'L
	10C 568 THRESHOLD	ZERO INT'L
	10F 560 THRESHOLD	ZERO INT'L
	10G 565 THRESHOLD	ZERO INT'L
12	12A PS074 DOOR SEAL	STEELCRAFT
	12B 188S DOOR SEAL	ZERO INT'L
	12C 117S DOOR SEAL	ZERO INT'L
	12D 8145S DOOR SEAL	ZERO INT'L
	12E 8150S DOOR SEAL	ZERO INT'L
	12F 8042S DOOR SEAL	ZERO INT'L
13	FAS-SEAL SWEEP	STEELCRAFT
14	END CHANNEL	STEELCRAFT
15A	328 SPLIT ASTRAGAL	ZERO INT'L



- NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
 2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
 3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
 4. STEELCRAFT INSTALLATIONS REQUIRE FAS-SEAL DOOR SWEEP (13), DOOR SEAL (12A, 12B, 12C, 12D, 12E & 12F) AND THRESHOLD (10A, 10B, 10C, 10F & 10G) AS APPLICABLE.
 5. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
 6. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL.
 7. REPUBLIC INSTALLATIONS REQUIRE DOOR SEAL (12A, 12B, 12C, 12D, 12E & 12F) AND THRESHOLD (10A, 10B, 10C, 10F & 10G) AS APPLICABLE.
 8. REPUBLIC DOORS HAVE FLUSH TOP DOOR CHANNEL - TOP CAP NOT APPLICABLE.



ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)

GASKETING DETAILS FOR
WATER INFILTRATION

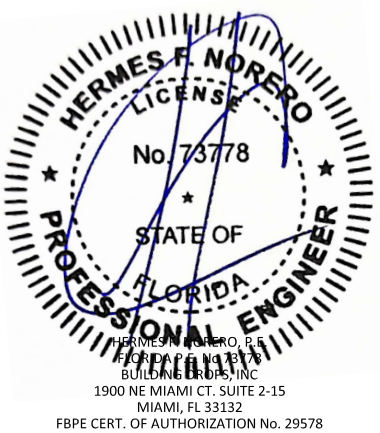
PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.06.25

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FL10356

DATE: 04.10.23

DWG. BY: DI

CHK. BY: HFN

SCALE: NTS

DWG. #: FDDA330

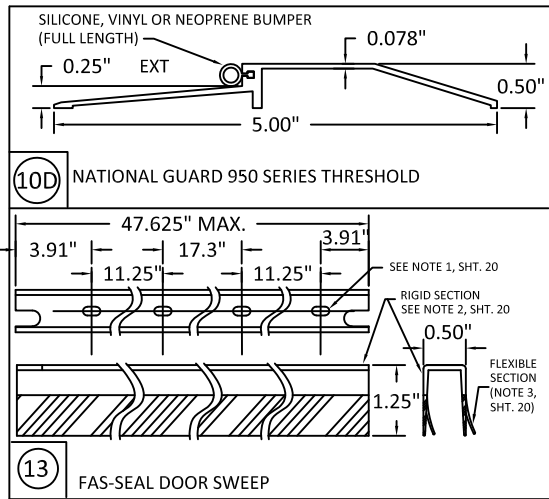
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19

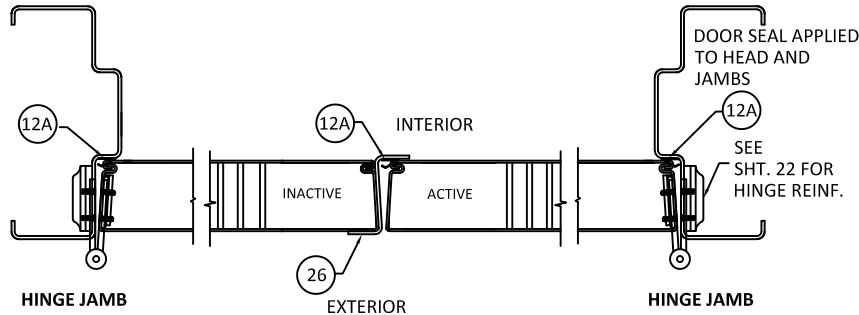
OF 32

TABLE 6.2 NON WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD

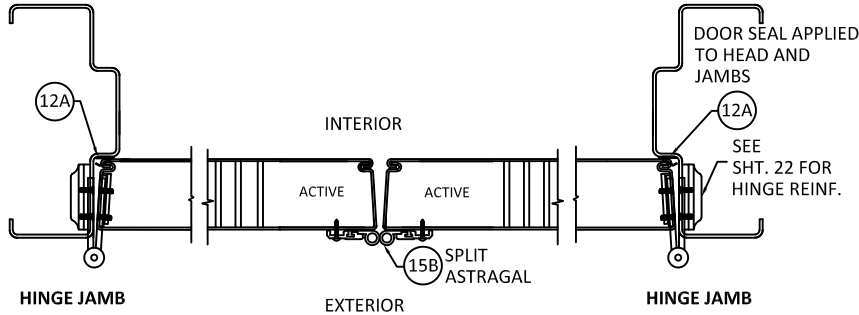
ITEM NUMBER	MODEL NO./ DESCRIPTION	MFG.
10D	950 THRESHOLD	NGP
10E	803V THRESHOLD	NGP
12A	PS074 DOOR SEAL	STEELCRAFT
13	FAS-SEAL SWEEP	STEELCRAFT
14	END CHANNEL	STEELCRAFT
15B	137 SPLIT ASTRAGAL	NGP



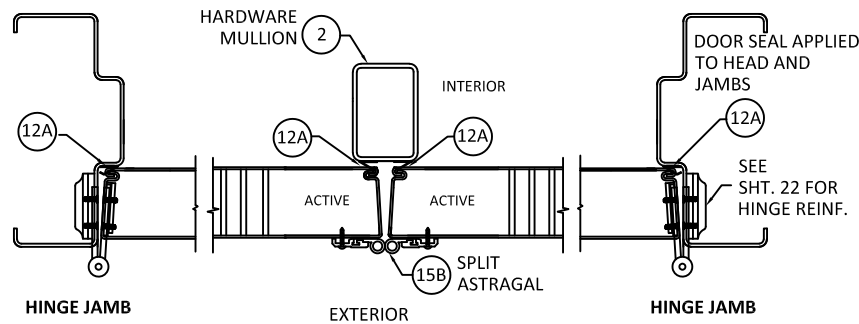
FOR CONFIGURATIONS:
1 & 2 (SEE ELEVATIONS SHEET 4)



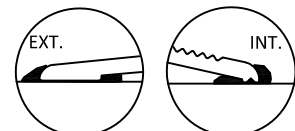
FOR CONFIGURATIONS: 6, 7, 8, 9 & 10 (SEE ELEVATIONS SHEET 5 & 6)



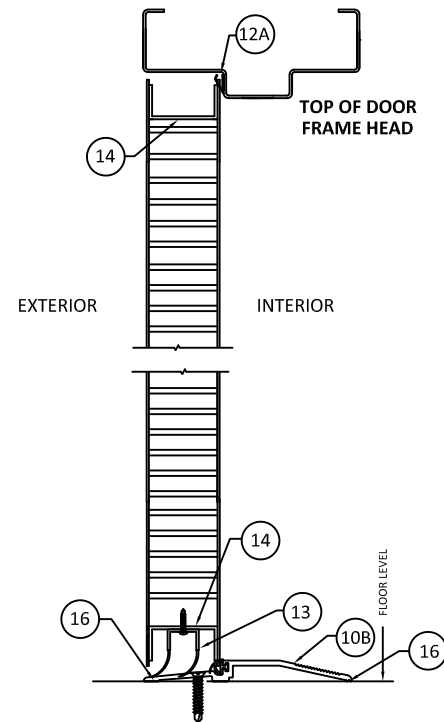
FOR CONFIGURATIONS:
3, 4, & 5 (SEE ELEVATIONS SHEET 4 & 5)



- NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
 2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
 3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
 4. STEELCRAFT INSTALLATIONS REQUIRE FAS-SEAL DOOR SWEEP (13), DOOR SEAL (12A) AND THRESHOLD (10D & 10E) AS APPLICABLE.
 5. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
 6. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SLICONE CAULK FULL LENGTH OF SILL.
 7. REPUBLIC INSTALLATIONS REQUIRE DOOR SEAL (12A) AND THRESHOLD (10D & 10E) AS APPLICABLE.
 8. REPUBLIC DOORS HAVE FLUSH TOP DOOR CHANNEL - TOP CAP NOT APPLICABLE.



ALL CONFIGURATIONS



ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)

REPUBLIC DOORS: FRAME &
HEAD DETAILS

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15

MIAMI, FL 33132

PH: (954)399-8478

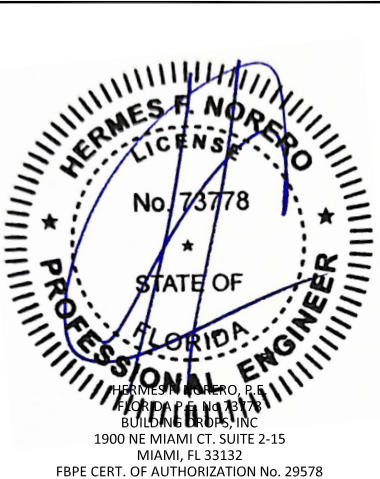
FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.11.24
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DATE: 04.10.23

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CHK. BY: HFN

SCALE: NTS

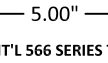
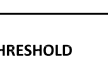
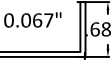
DWG. #: FDDA330

SHEET:

20

OF 32

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
10A	566 THRESHOLD	ZERO INT'L
13	FAS-SEAL SWEEP	STEELCRAFT
14	END CHANNEL	STEELCRAFT
15A	328 SPLIT ASTRAGAL	ZERO INT'L
12E	8150S DOOR SEAL	ZERO INT'L
20A	139 DOOR SWEEP	ZERO INT'L
22A	142 RAIN DRIP	ZERO INT'L
22B	11 RAIN DRIP	ZERO INT'L
23A	DOOR TOP CAP	STEELCRAFT
23B	FLUSH TOP CAP	STEELCRAFT

 10A ZERO INT'L 566 SERIES THRESHOLD	 14 DOOR END CHANNEL	 15A ZERO INT'L 328 SERIES SPLIT ASTRAGAL
 12E ZERO 8150S DOOR SEAL	 20A ZERO 139 DOOR SWEEP	
 22B ZERO 11 RAIN DRIP		

13 FAS-SEAL DOOR SWEEP

Technical drawing showing the cross-section of the FAS-SEAL DOOR SWEEP. Dimensions include 47.625" MAX. for the top rail, 3.91" for the top flange, 1.25" for the bottom flange, 17.3" for the main body width, 11.25" for the bottom flange width, and 0.50" for the bottom flange thickness. The drawing is divided into a RIGID SECTION (SEE NOTE 2) and a FLEXIBLE SECTION (NOTE 3).

20A ZERO 142 RAIN DRIP

Technical drawing showing the cross-section of the ZERO 142 RAIN DRIP. Dimensions include 2.50" for the top flange, 0.088" for the bottom flange, and 1/8x.50" SMS for the bottom flange thickness.

23A DOOR TOP CAP

Technical drawing showing the cross-section of the DOOR TOP CAP. Dimensions include 1.75" for the top flange, 0.07" for the bottom flange, 1.367" for the main body width, and 0.63" for the bottom flange thickness. The drawing includes a DIMPHED HOLE FOR #BX1-1/2 PHRH SELF-DRILLING SCREW.

23B 18 GA DOOR FLUSH TOP CAP STEELCRAFT

Technical drawing showing the cross-section of the 18 GA DOOR FLUSH TOP CAP STEELCRAFT. Dimensions include 1.45" for the top flange and 0.75" for the bottom flange.

TYPICAL THRESHOLD SET INTO
BEAD OF CAULK SEE NOTE 6

TYPICAL THRESHOLD SET INTO
BEAD OF CAULK SEE NOTE 6

Technical drawing of a window sill assembly showing cross-sections and dimensions. The drawing includes labels for various components and dimensions:

- CAULK SEE NOTE 6** (top left and top right)
- 22B** (top left)
- 14** (top center)
- 20A** (top center and top right)
- 16** (middle left and middle right)
- 13** (middle center)
- 10A** (middle right)
- 0.50"** (bottom left)
- E.D.** (bottom center, appearing twice)
- 1/4"x3-3/4" ITW BUILDEX/REDHEAD TAPCON OR #14 WOOD SCREW** (bottom left)
- 1.25" MIN. EMBEDMENT** (bottom left)
- 1.25" MIN. EDGE DISTANCE INTO WOOD SILL (SG-55)** (bottom center)
- 2.5" MIN. EDGE DISTANCE INTO CONCRETE SILL (3 KSI MIN.)** (bottom center)
- LOOR LEVEL** (top right)

BOTTOM OF DOOR WEATHERSTRIPPING AND SILL INSTALLATION

Diagram illustrating the door assembly components and their application:

- HINGE JAMB**: The vertical frame on the left side of the door.
- DOOR SEAL APPLIED TO HEAD AND JAMBS**: The seal is applied to the top and side frames.
- SEE SHT FOR HINGE REIN**: Reference to the hinge reinforcement details.
- INTERIOR**: The side of the door facing the building.
- EXTERIOR**: The side of the door facing outside.
- INACTIVE**: The section of the door panel that is not part of the active opening.
- ACTIVE**: The section of the door panel that forms the opening.
- 26**: A detail callout for the hinge reinforcement.
- 20A**: A detail callout for the hinge reinforcement.
- 12A**: A detail callout for the hinge reinforcement.
- 12A**: A detail callout for the hinge reinforcement.

22A

12A

23

14

TOP OF DOOR FRAME HEAD

EXTERIOR

INTERIOR

22B

20A

14

20A

13

10A

16

0.50"

FLOOR LEVEL

CAULK SEE NOTE 6

E.D.

E.D.

BOTTOM OF DOOR WEATHERSTRIPPING AND SILL INSTALLATION

Technical drawing of a door hinge jamb assembly, showing exterior and interior views. The drawing includes the following labels and callouts:

- 22A**: Callout for the exterior hinge jamb.
- 12A**: Callout for the interior hinge jamb.
- 23**: Callout for the hinge pin.
- 14**: Callout for the hinge leaf.
- TOP OF DOOR FRAME HEAD**: Label for the top of the door frame.
- EXTERIOR**: Label for the exterior side of the door.
- INTERIOR**: Label for the interior side of the door.
- 22B**: Callout for the exterior hinge jamb.
- 14**: Callout for the hinge leaf.
- 20A**: Callout for the hinge pin.
- 13**: Callout for the hinge leaf.
- 10A**: Callout for the hinge pin.
- 16**: Callout for the hinge pin.
- CAULK SEE NOTE 6**: Label for the caulk.
- FLOOR LEVEL**: Label for the floor level.
- HINGE JAMB**: Label for the hinge jamb.
- 0.50"**: Dimension for the hinge jamb thickness.
- E.D.**: Label for the exterior door.

**BOTTOM OF DOOR WEATHERSTRIPPING
AND SILL INSTALLATION**

Two circular diagrams illustrating the 'EXT.' and 'INT.' views of a mechanical component. The 'EXT.' view shows a profile with a flat top surface. The 'INT.' view shows a profile with a wavy, irregular top surface.

TYPICAL THRESHOLD SET INTO
BEAD OF CAULK SEE NOTE 6

Diagram illustrating the components of a door assembly, specifically focusing on the hinge jamb and the door seal.

The diagram shows a cross-section of a door assembly with the following components labeled:

- 12A**: Door seal applied to the head and jamb.
- 12A**: See SHT. FOR HINGE REIN.
- INTERIOR**: The side of the door assembly facing the interior.
- ACTIVE**: The active panels of the door.
- 15A SPLIT ASTRAGAL**: The astragal between the active panels.
- EXTERIOR**: The side of the door assembly facing the exterior.
- HINGE JAMB**: The hinge jamb of the door.

NOTES:

1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
4. FAS-SEAL DOOR SWEEP (13), AND THRESHOLD (10A) ARE REQUIRED FOR ALL INSTALLATIONS.
5. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
6. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL

The diagram illustrates the components of a double-hung window assembly. It shows a cross-section of the window frame with the following labels and callouts:

- HINGE JAMB**: The vertical frame member on the left.
- 12A**: Callout pointing to the hinge mechanism on the left jamb.
- HARDWARE MULLION**: The central horizontal frame member.
- 2**: Callout pointing to the hardware mullion.
- INTERIOR**: The space above the window frame.
- ACTIVE**: The two central horizontal frame members.
- 12A**: Callouts pointing to the hinge mechanisms on the central frame members.
- 15A SPLIT ASTRAGAL**: The component at the bottom of the central frame members.
- EXTERIOR**: The space below the window frame.
- HINGE JAMB**: The vertical frame member on the right.
- 12A**: Callout pointing to the hinge mechanism on the right jamb.
- DOOR SEAL APPLIED TO HEAD AND JAMBS**: The seal on the right jamb.
- SEE SHIT FOR HINGE REIN**: A note pointing to the hinge reinforcement on the right jamb.

REPUBLIC DOORS: FRA
HEAD DETAILS

PREPARED BY:
BUILDING DROPS, INC.

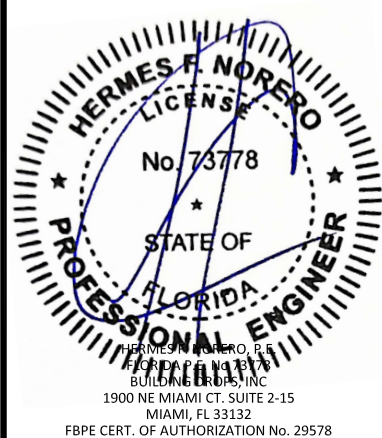
ONE MIAMI CT. SUITE 2-15
MIAMI, FL 33132

PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
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DWG. BY:
DI

CHK. BY:
HFN

SCALE: NTS

DWG. #: FDDA330

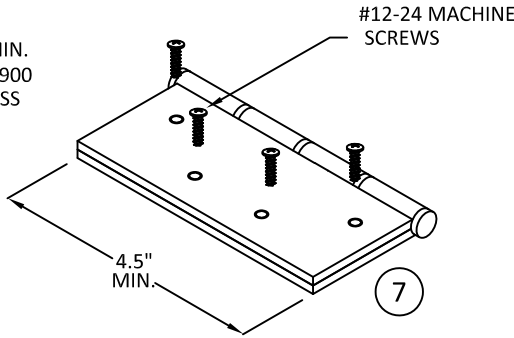
SHEET:

21

OF 32

7

STEEL, STAINLESS STEEL, OR BRASS
BUTT HINGE 4.5" X 4.5" STD. WT. MIN.
IVES 5BB1/3CB1 STANLEY FBB179/1900
HAGER BB1279 .134" MIN. THICKNESS



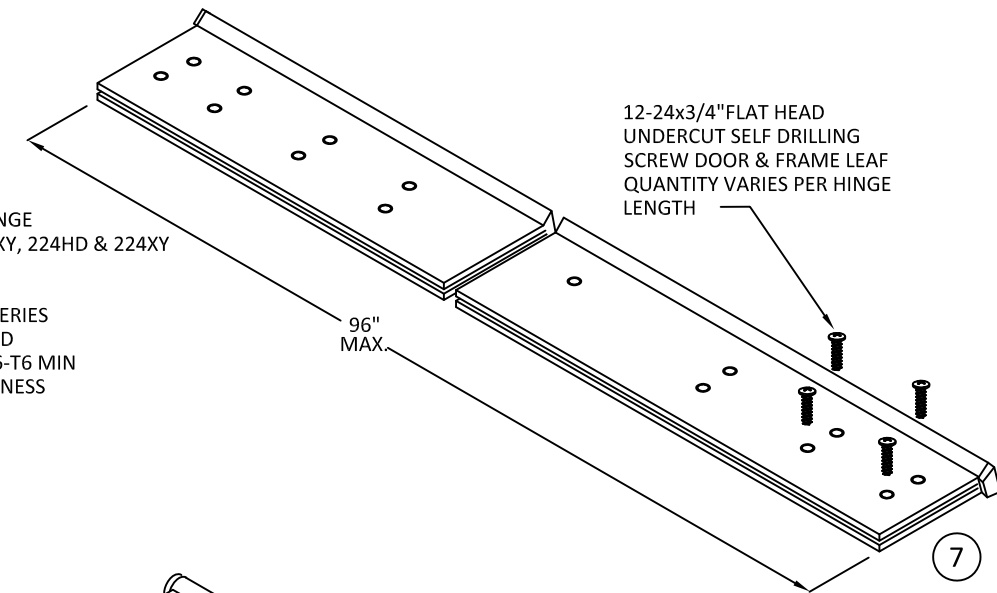
#12-24 MACHINE
SCREWS

4.5"
MIN.

7

7

CONTINUOUS HINGE
IVES 112HD, 112XY, 224HD & 224XY
STANLEY 661HD
SELECT SL11HD
PEMCO FM_HD SERIES
HAGER 780-224HD
ALUMINUM 6036-T6 MIN
.110" MIN. THICKNESS

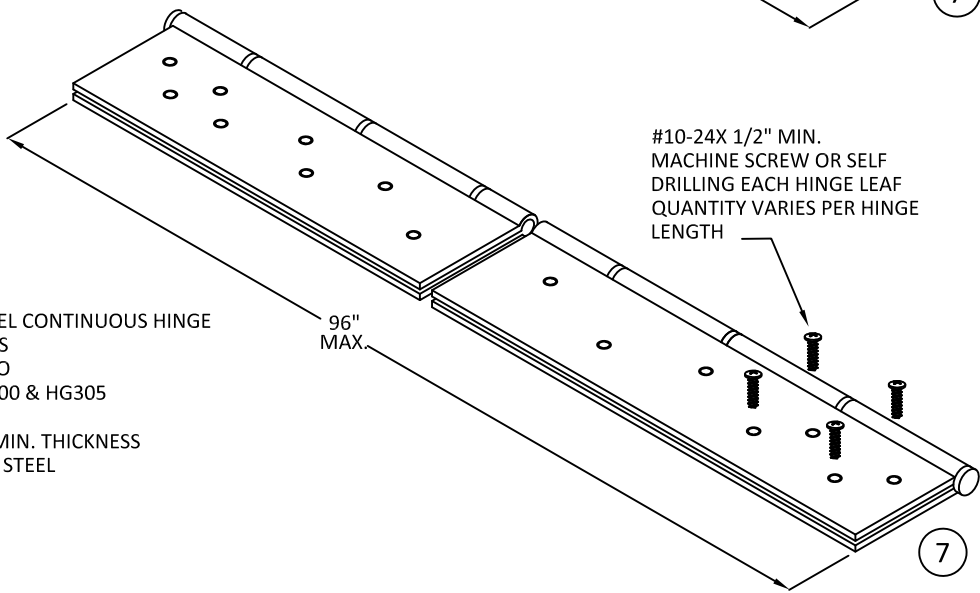


96"
MAX.

7

7

STAINLESS STEEL CONTINUOUS HINGE
IVES 700, 700CS
HAGER 790-900
MARKAR FM-300 & HG305
ABH A-500
.075" (14GA.) MIN. THICKNESS
304 STAINLESS STEEL

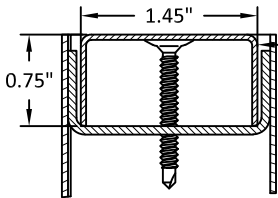


96"
MAX.

7

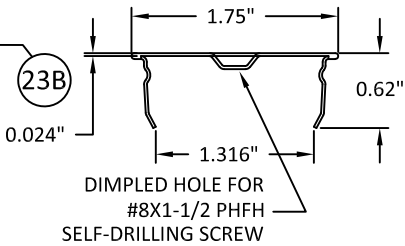
12-24x3/4"FLAT HEAD
UNDERCUT SELF DRILLING
SCREW DOOR & FRAME LEAF
QUANTITY VARIES PER HINGE
LENGTH

#10-24X 1/2" MIN.
MACHINE SCREW OR SELF
DRILLING EACH HINGE LEAF
QUANTITY VARIES PER HINGE
LENGTH



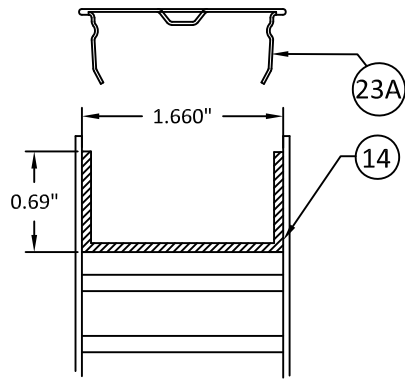
23B

STEELCRAFT: 18 GA
FLUSH TOP CAP
(OPTIONAL)



23A

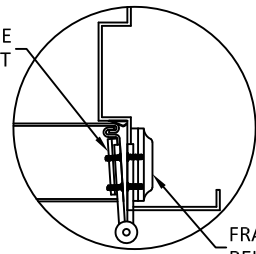
STEELCRAFT: 24 GA TOP CAP
(OPTIONAL)



14

STEELCRAFT: TOP & BOTTOM CHANNEL
L=FULL DOOR WIDTH
14 GAGE

5 DOOR HINGE
REINFORCEMENT



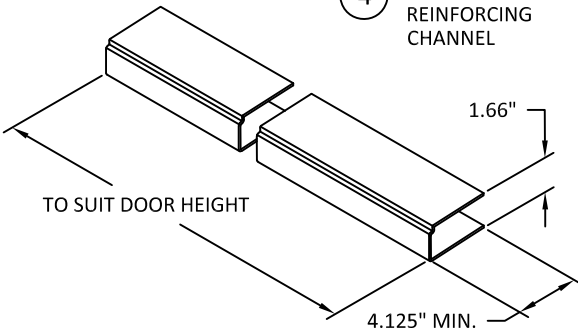
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FRAME HINGE
REINFORCEMENT

HINGE DETAIL

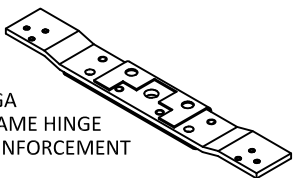
4

12 GA HINGE SIDE PANIC
REINFORCING
CHANNEL



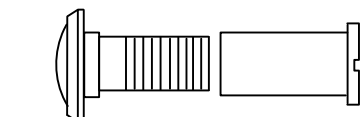
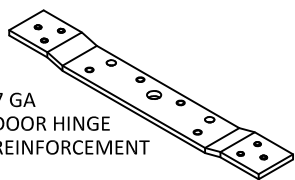
6

7 GA
FRAME HINGE
REINFORCEMENT



5

7 GA
DOOR HINGE
REINFORCEMENT



27

IVES 698/U698 DOOR VIEWER
APPLICATION LIMITED TO +/- 60 PSF
DESIGN PRESSURE OR LESS

HINGE NOTES:
1. QUANTITY OF SCREWS VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
2. SCREW SPACING VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
3. INSTALL HINGES PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS
4. BUTT AND CONTINUOUS HINGES MAY INCLUDE ELECTRICAL THROUGH-WIRE, POWER TRANSFER AND MONITORING
5. REINFORCE DOOR FOR CONTINUOUS HINGE PER HINGE MANUFACTURER RECOMMENDATIONS. FRAME DOES NOT REQUIRE ANY ADDITIONAL REINFORCEMENT.



ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)
HINGES, CHANNELS,
& STRIKE REINFORCEMENTS

PREPARED BY:

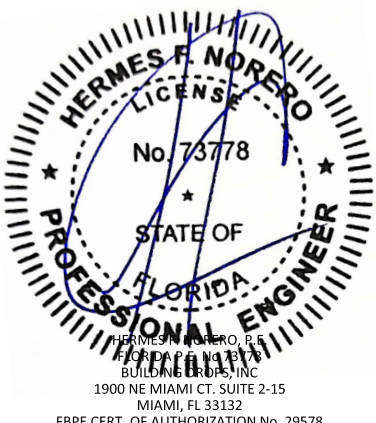
BUILDING DROPS, INC.

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FL10356

DATE:	04.10.23
DWG. BY:	DI
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	FDDA330

SHEET:
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OF 32



ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)

MULLION DETAILS

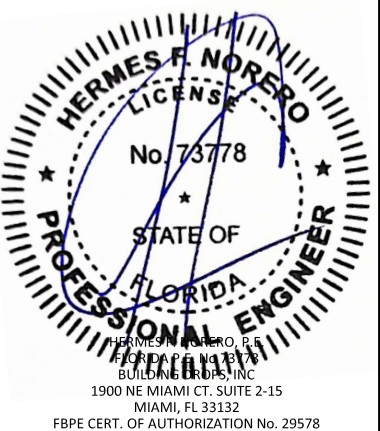
PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.06.25

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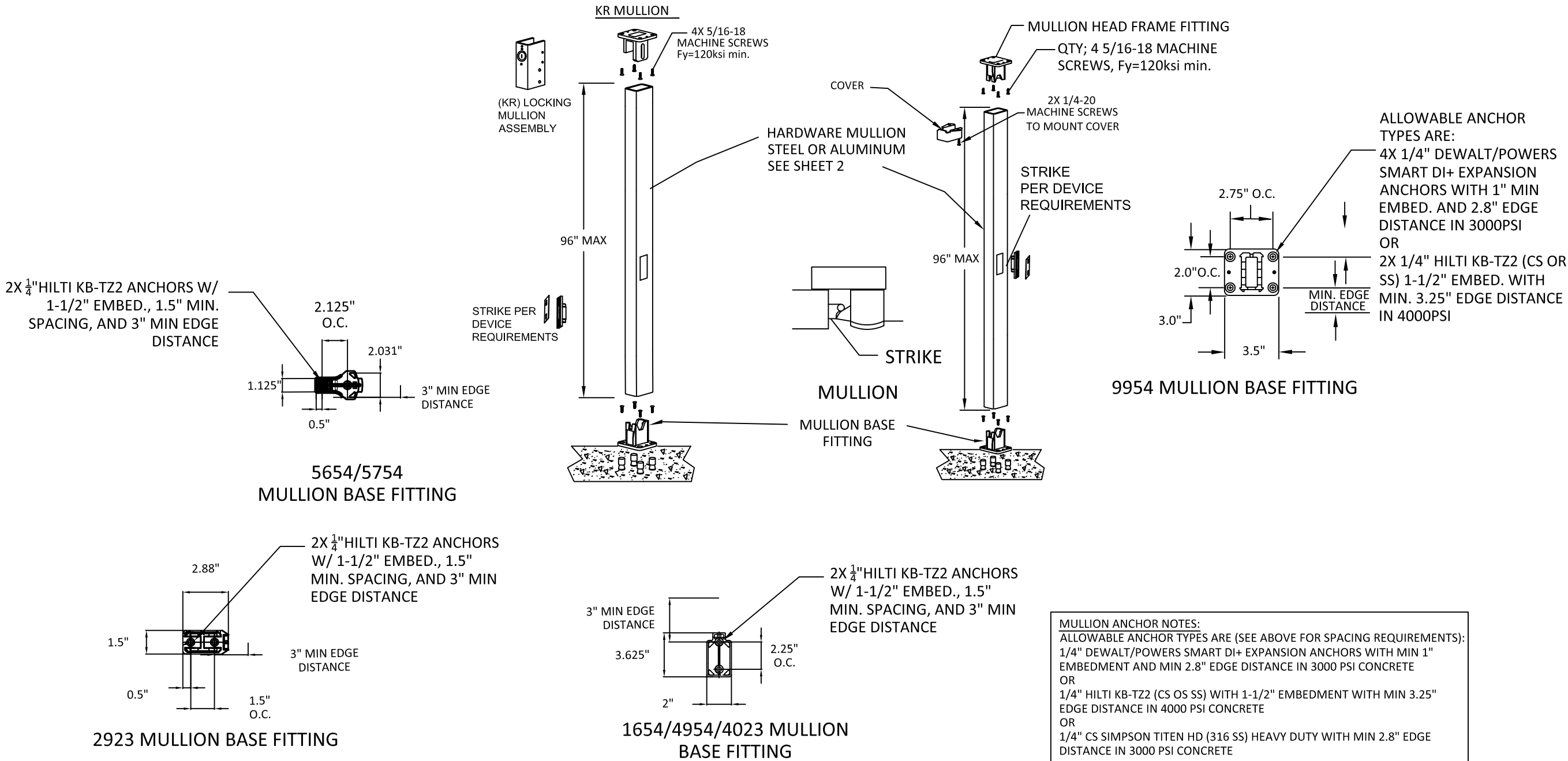


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MULLION ANCHOR NOTES:
ALLOWABLE ANCHOR TYPES ARE (SEE ABOVE FOR SPACING REQUIREMENTS):
1/4" DEWALT/POWERS SMART DI+ EXPANSION ANCHORS WITH MIN 1" EMBEDMENT AND MIN 2.8" EDGE DISTANCE IN 3000 PSI CONCRETE
OR
1/4" HILTI KB-TZ2 (CS OS SS) WITH 1-1/2" EMBEDMENT WITH MIN 3.25" EDGE DISTANCE IN 4000 PSI CONCRETE
OR
1/4" CS SIMPSON TITEN HD (316 SS) HEAVY DUTY WITH MIN 2.8" EDGE DISTANCE IN 3000 PSI CONCRETE

Technical drawing of a double door assembly. The drawing shows a side elevation of two doors meeting at a central vertical mullion. Key dimensions and callouts include:

- Dimensions:**
 - MAXIMUM OVERALL UNIT WIDTH = 100"
 - MAXIMUM DOOR OPENING 96"
 - MAXIMUM OVERALL UNIT HEIGHT = 98" OR 100"
 - MAXIMUM DOOR OPENING 96"
 - MIN. 7.125" MAX. 9.75" (CL OF HINGE)
 - EQ.* (SEE NOTE 3 SHEET 1)
 - EQ.*
 - EQ.*
 - MIN. 9" MAX. 12.50" (CL OF HINGE)
 - 2" TYP
- Callouts:**
 - 11: Top left hinge
 - 14: Top right hinge
 - 1: Top right hinge (alternative view)
 - 5: Middle right hinge
 - 6: Middle right hinge (alternative view)
 - 3: Middle right hinge (alternative view)
 - 4: Bottom right hinge
 - 7: Bottom right hinge (alternative view)
 - 17: Bottom left hinge
 - 4: Bottom left hinge (alternative view)
 - 8: Bottom left hinge (alternative view)
 - 9: Bottom left hinge (alternative view)
 - 15: Bottom left hinge (alternative view)
 - 26: Bottom left hinge (alternative view)
 - 14: Bottom right hinge (alternative view)
- Text:**
 - INSTALL LEFT JAMB SIMILAR TO RIGHT.
 - TOP & BTM
 - 2.00" TYP. OR 4.00" TYP. SEE NOTE 7, SHEET 1

Diagram illustrating four door panel options, all with a width of 48" and a height of 96".

- FLUSH:** A plain surface. An arrow points to the surface with the text "OPTIONAL VIEWERS SEE SHEET 22".
- EMBOSSED PANEL:** A panel with a 6-panel grid design (two small squares at the top, two vertical rectangles in the middle, and two vertical rectangles at the bottom).
- EMBOSSED PANEL:** A panel with two large vertical rectangular panels.
- EMBOSSED PANEL:** A panel with a single large rectangular panel featuring an arched top.

- TABLE 8: (FOR OPTION 1 SEE TABLE 2 SHEET 6)



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PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)

REPUBLIC DOORS: OPENINGS & BOM

PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15

MIAMI, FL 33132

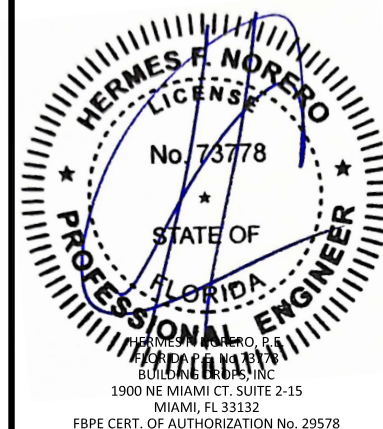
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REMARKS	BY	DATE
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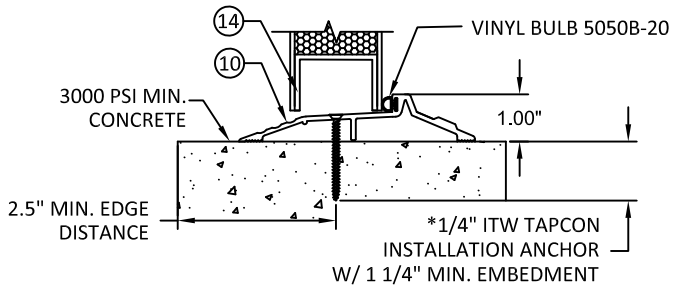
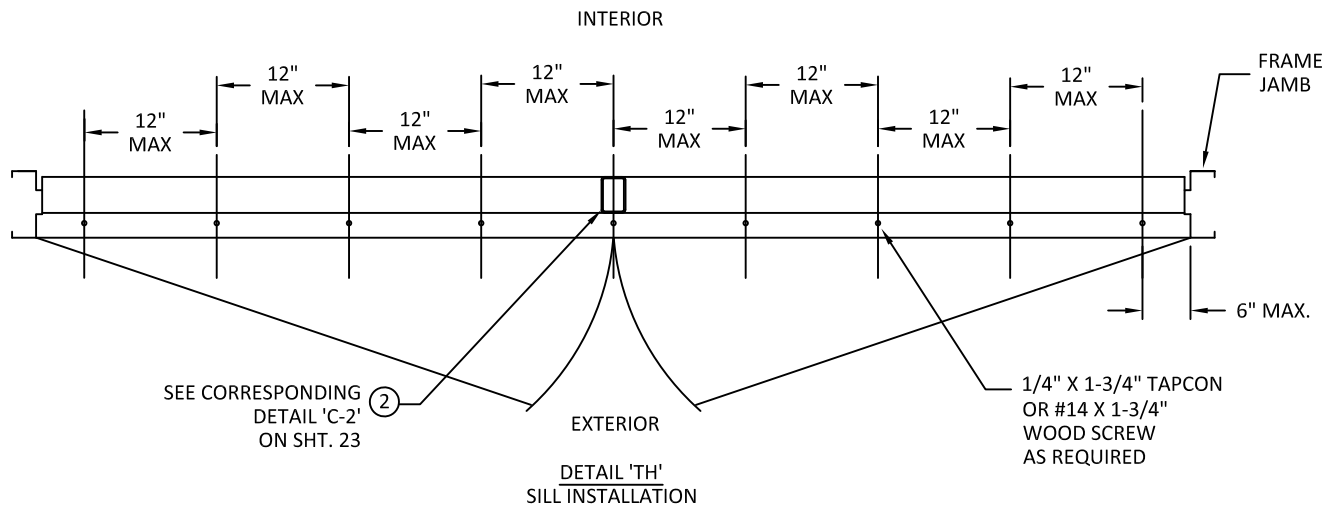
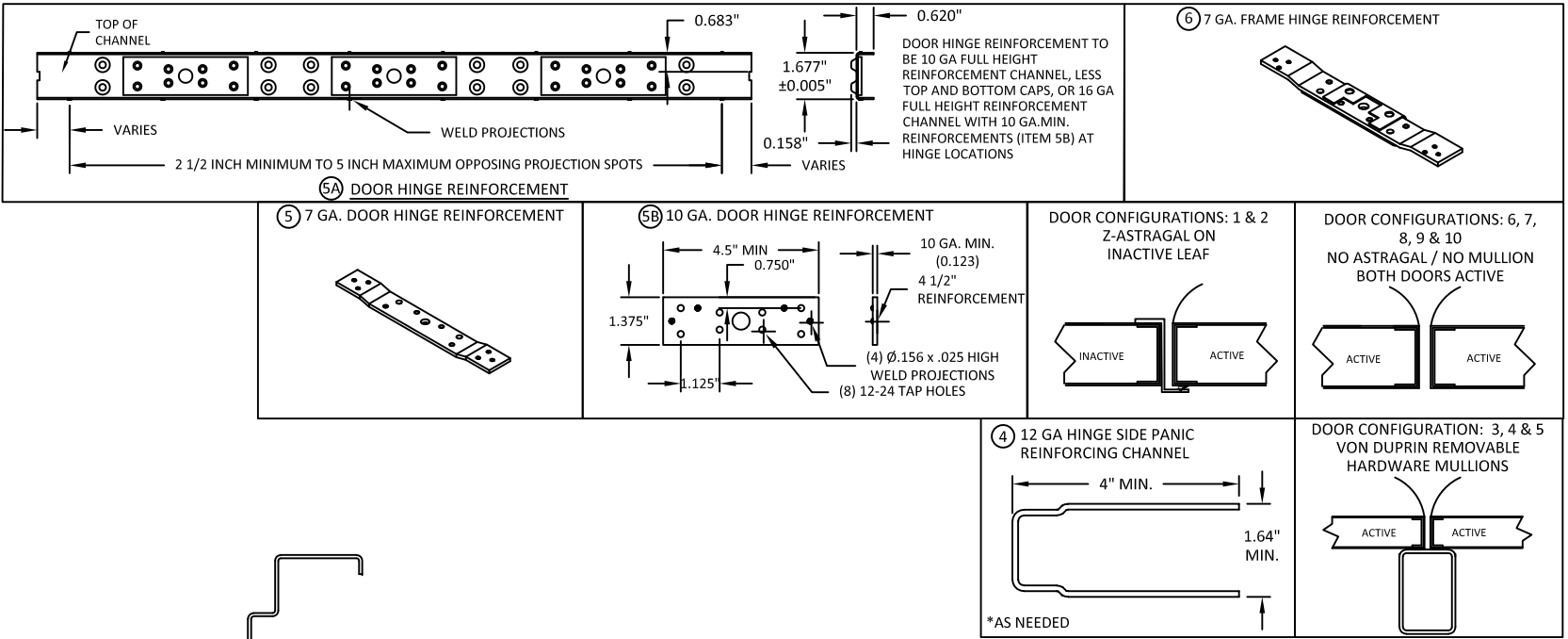
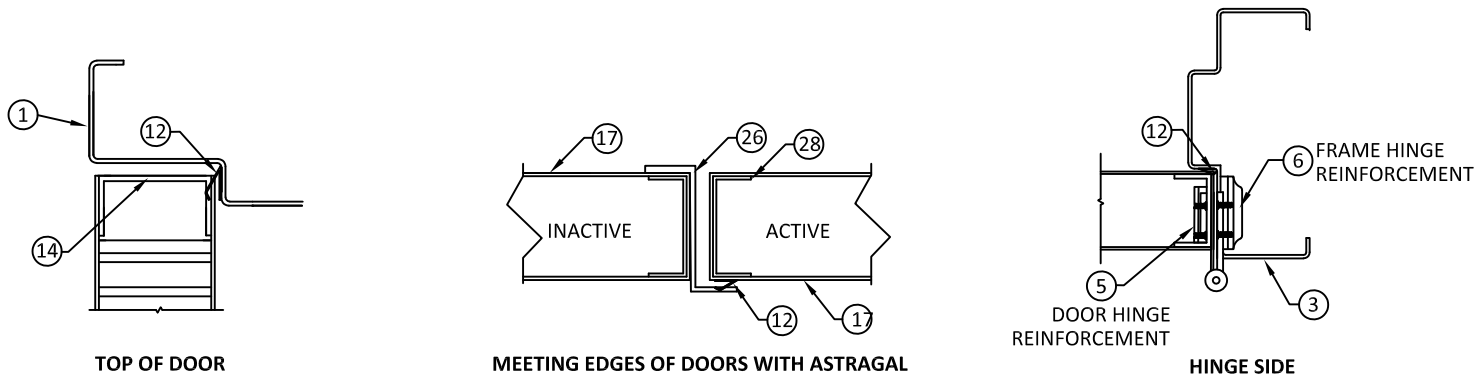
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DWG. #: FDDA330

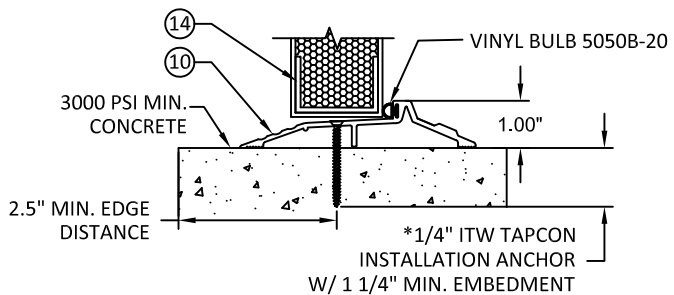
SHEET:

24

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OPTIONAL THRESHOLD DETAIL (SILL) WITH INVERTED BOTTOM RAIL



OPTIONAL THRESHOLD DETAIL (SILL) WITH FLUSH BOTTOM RAIL

*NOTE: 803V THRESHOLD MAY BE INSTALLED WITH #12 WOOD SCREW TYPE INSTALLATION ANCHORS WHEN INTO 2X WOOD BUCK SUBSTRATES (MIN. SG= 0.55) WITH MINIMUM 1-1/2" EMBEDMENT AND MINIMUM 3/4" EDGE DISTANCE.



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TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)

REPUBLIC DOORS: SILL &
REINFORCEMENT DETAILS

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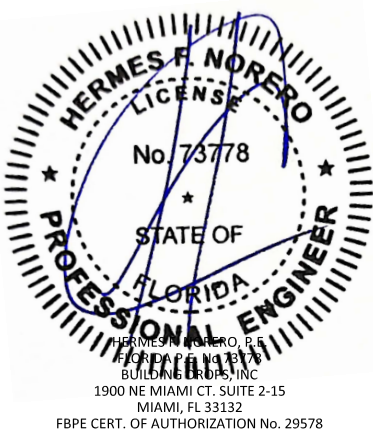
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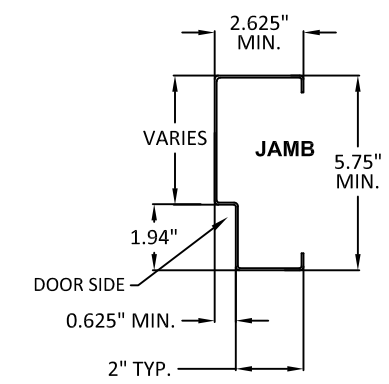
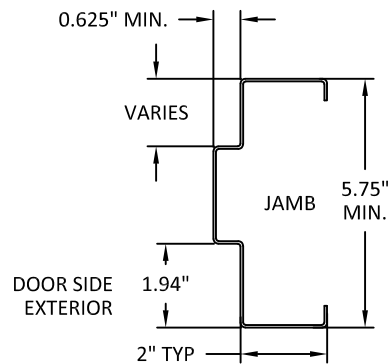
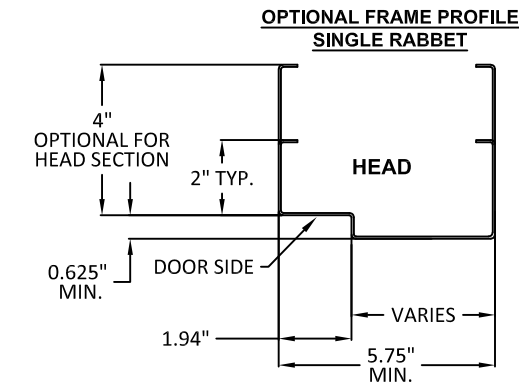
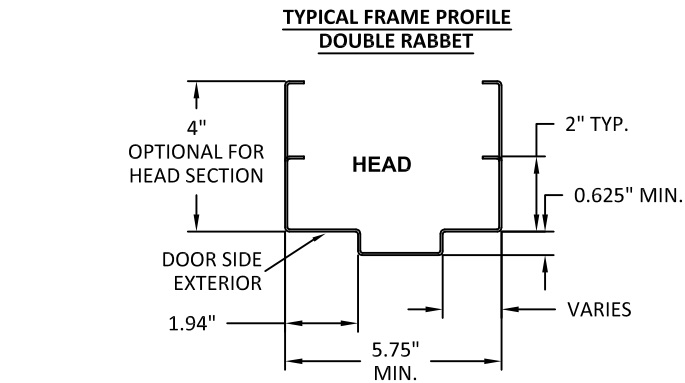
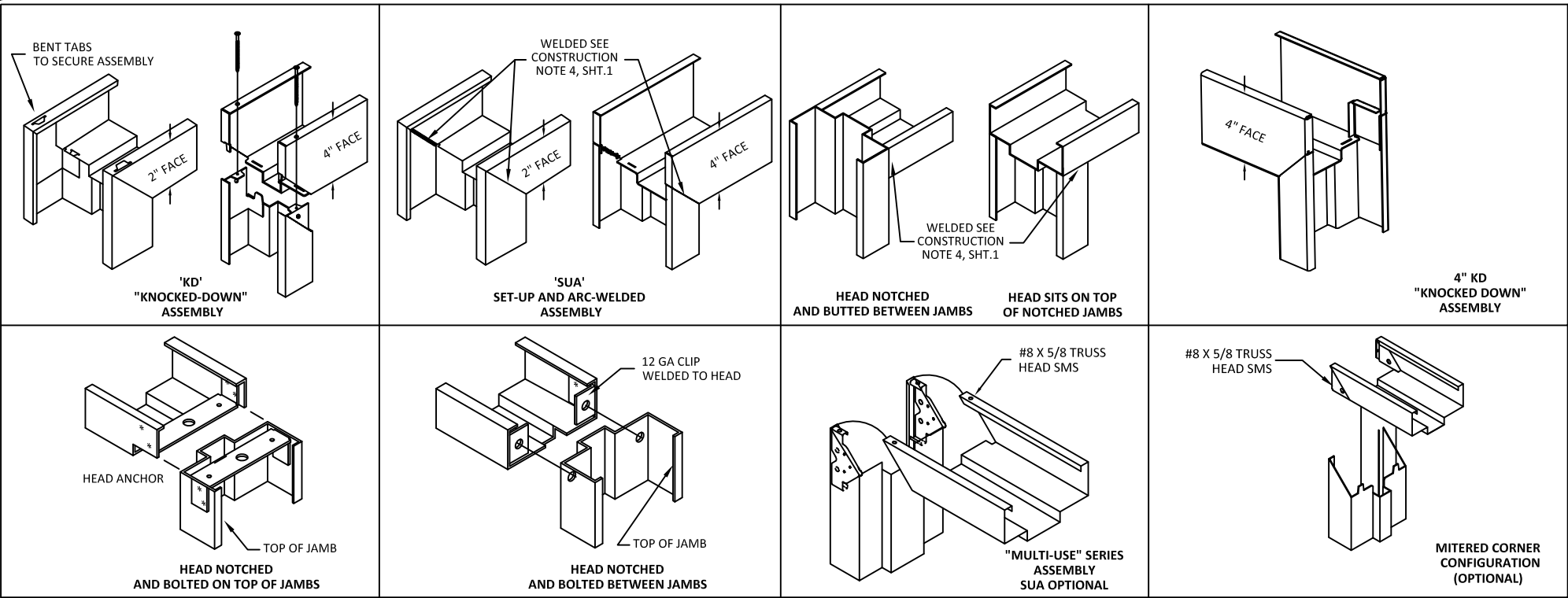


TABLE 9: AVAILABLE REPUBLIC DOOR CONFIGURATIONS

REPUBLIC DOOR SERIES	DOOR CORE MATERIAL PER SHT. 11	MAXIMUM OPENING SIZE		SKIN MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
DL	HONEYCOMB POLYSTYRENE POLYURETHANE (POLYISOCYANURATE) TEMPERATURE RISE STEEL STIFFENED	8'-0"	8'-0"	CRS. GALV.	18/.042" 16/.053"
DE		8'-0"	8'-0"	CRS. GALV.	18/0.42" 16/.053" 14/.067"
DP	HONEYCOMB POLYSTYRENE	8'-0"	8'-0"	CRS. GALV.	18/0.42"

TABLE 10: AVAILABLE REPUBLIC FRAME CONFIGURATIONS

REPUBLIC FRAME SERIES	JAMB DEPTH	MAXIMUM OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
ME/SE	5.75" MIN.	8'-0"	8'-0"	CRS/HRS GALV	16/.053" 14/.067"
SE	5.75" MIN.	8'-0"	8'-0"	CRS/HRS GALV	12/.093"

TABLE 11: STEEL MECHANICAL PROPERTIES

MATERIAL	ASTM REF.	YIELD KSI	TENSILE KSI
CRS	A1008	MIN. 30.1	MIN. 44.7
HRS	A1011		
GALV.	A924/A653		



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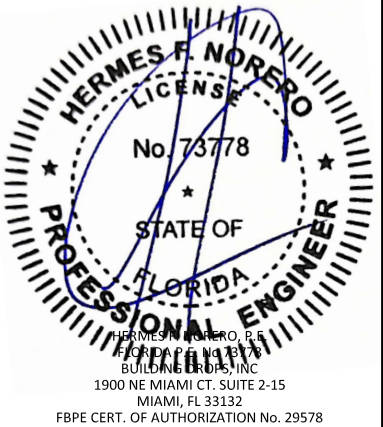
TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)
REPUBLIC DOORS: FRAME DETAILS
& CORNER CONSTRUCTION

PREPARED BY:
BUILDING DROPS, INC.
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MIAMI, FL 33132
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WIRE OR T MASONRY ANCHOR
INTO GROUT FILLED FRAME
AND BLOCK WALL

2

WOOD STUD ANCHOR

SEE PAGE 13 FOR
OPTION 1 ANCHOR DETAILS



ALLEGION - SCHLAGE LOCK COMPANY, LLC.
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CARMEL, IN 46032
PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)
REPUBLIC DOORS: ANCHORS - WIRE OR T
MASONRY ANCHOR &
WOOD STUD

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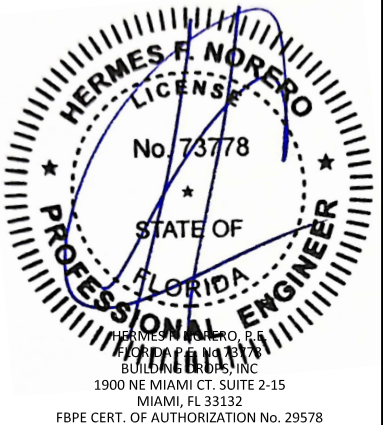
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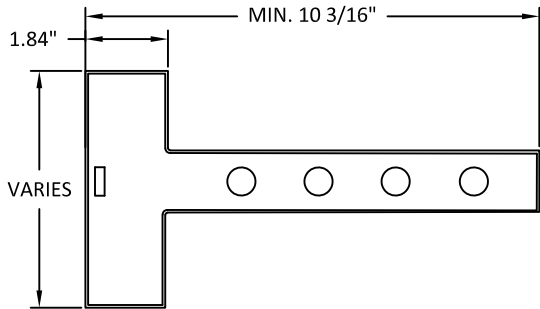
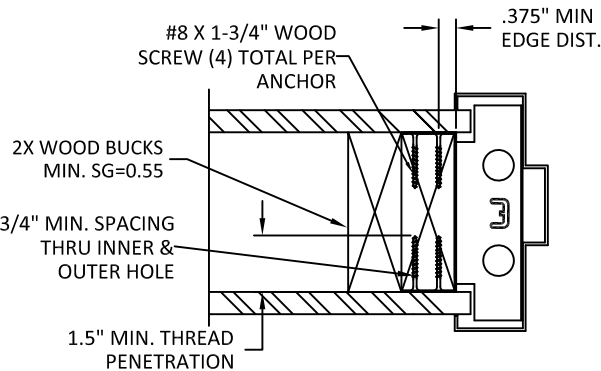
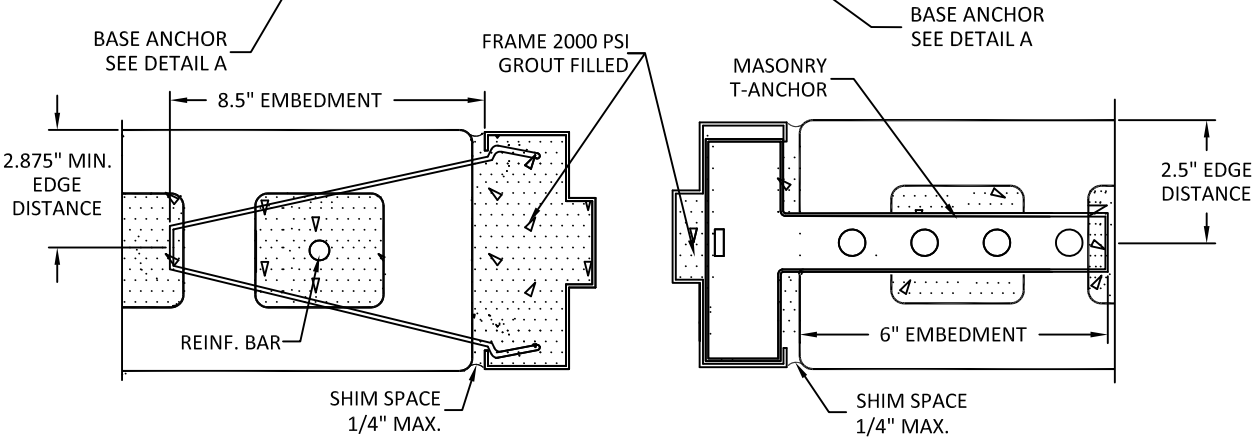
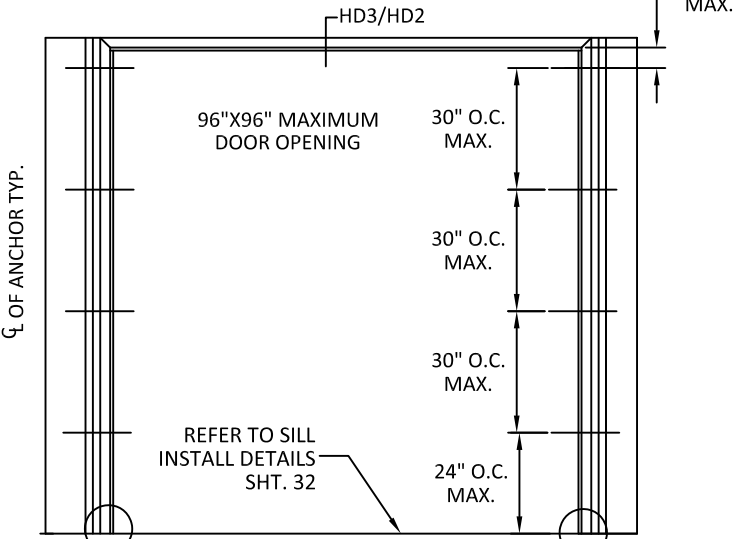
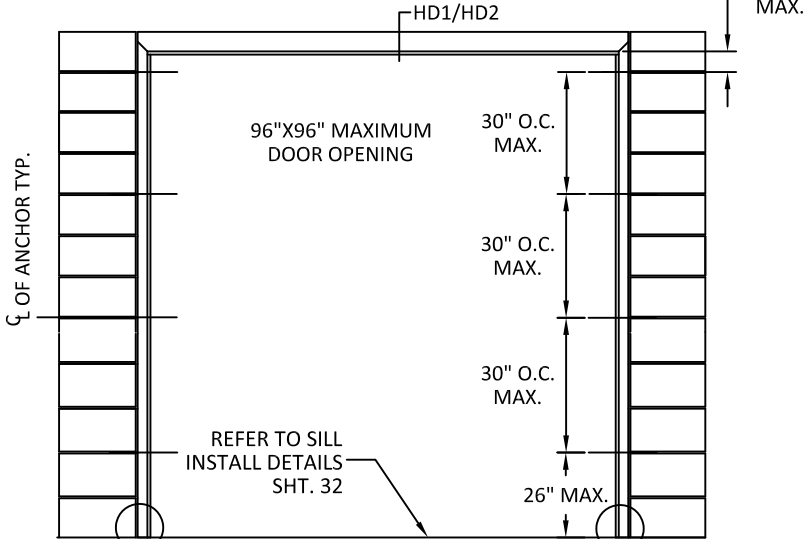
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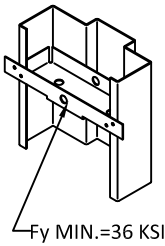
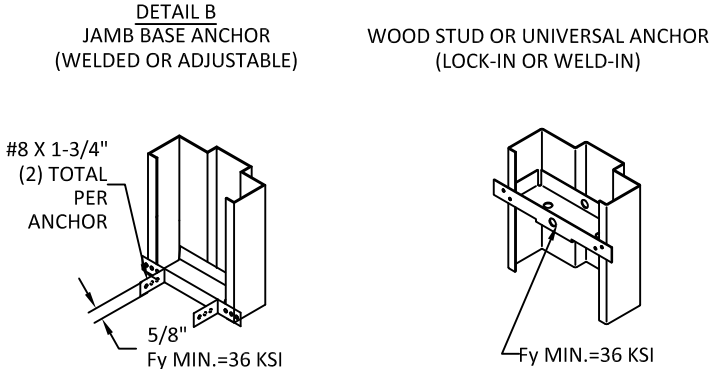
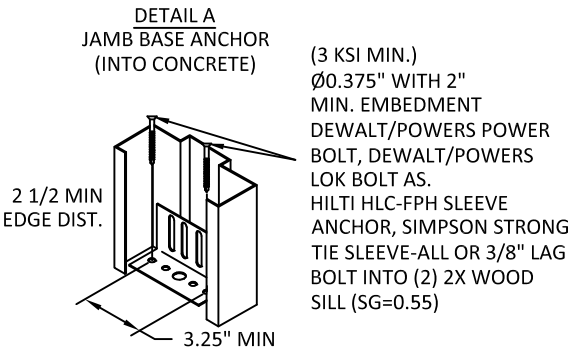
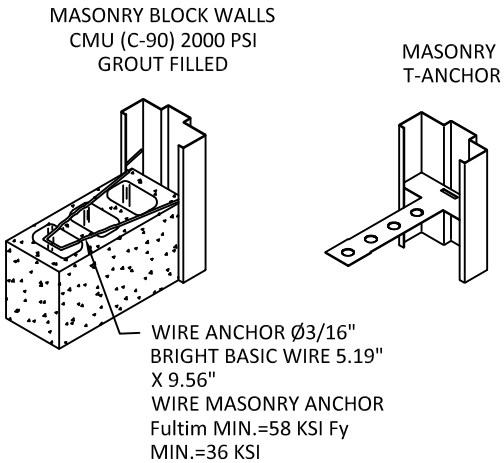
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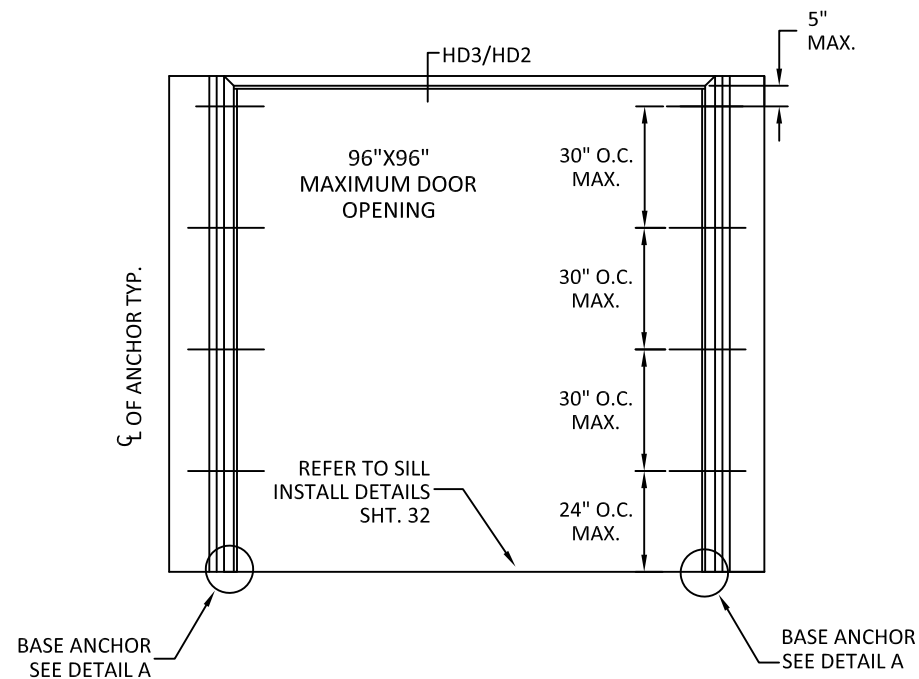
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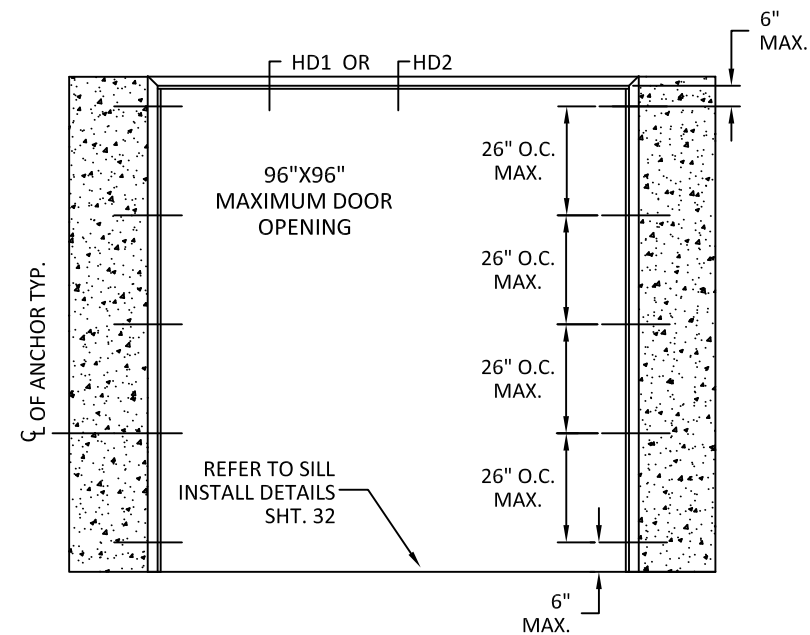
NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD
WALLS MUST BE DESIGNED TO CARRY AT LEAST 250 #/FT. LOAD FOR
ASSEMBLIES RATED @ 60 PSF.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY
MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3.SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR
SILICONE CAULK.
4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL
LENGTH OF SILL.
5.THE INSTALLATION DETAILS DESCRIBED HEREIN MAY NOT REFLECT ACTUAL
CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED
HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC
DOCUMENTS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.



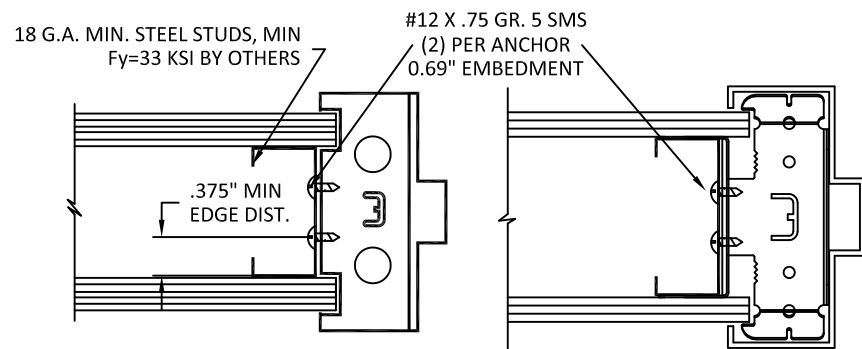
3 STEEL STUD ANCHOR



4 PREPARED OPENING ANCHOR (POA) INTO CONCRETE WALL OR CMU



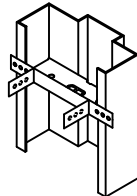
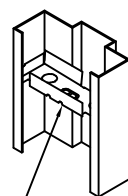
SEE PAGE 14 FOR
OPTION 1 ANCHOR DETAILS



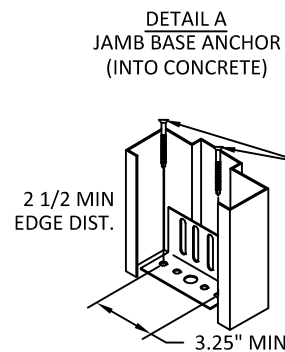
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WELD-IN OR LOCK-IN

UNIVERSAL ANCHOR
WELD-IN OR LOCK-IN

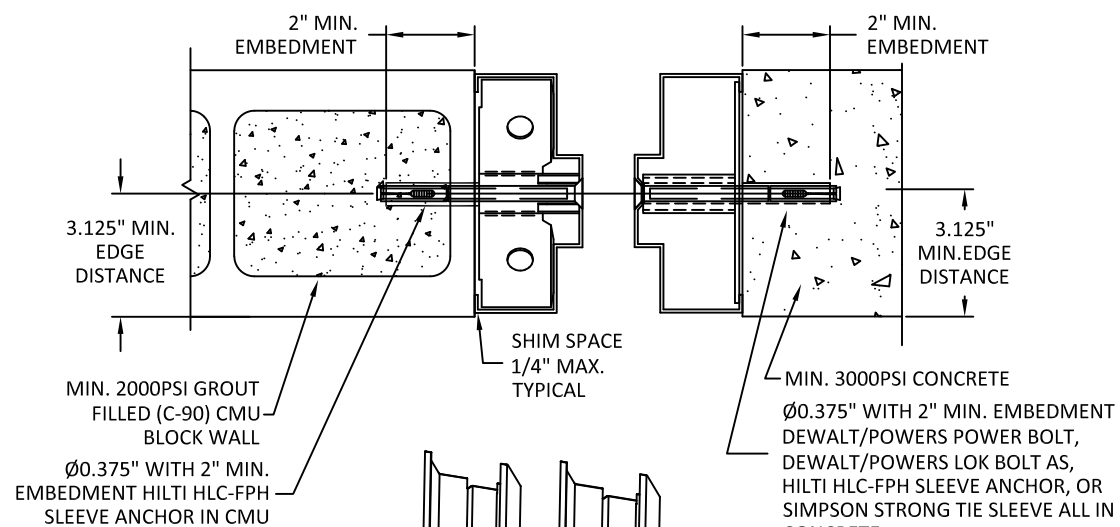
*STEEL STUD WALLS
SEE NOTE 11, SHT.1



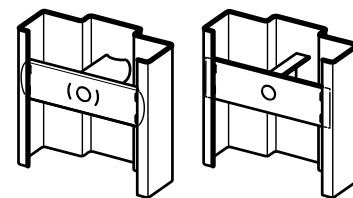
NOTES:
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3. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK.
4. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL.
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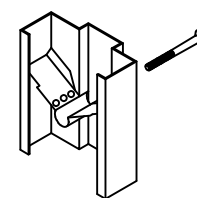
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Ø0.375" WITH 2"
MIN. EMBEDMENT
DEWALT/POWERS POWER
BOLT, DEWALT/POWERS
LOK BOLT AS,
HILTI HLC-FPH SLEEVE
ANCHOR, SIMPSON STRONG
TIE SLEEVE-ALL OR 3/8" LAG
BOLT INTO (2) 2X WOOD
SILL (SG=0.55)



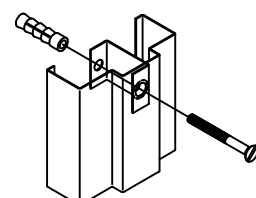
POA ANCHOR



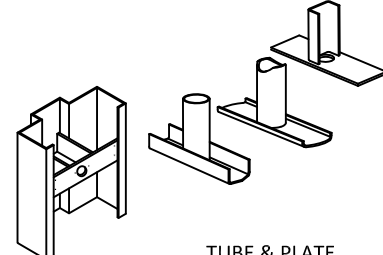
TUBE/CHANNEL &
PLATE BOLT-IN



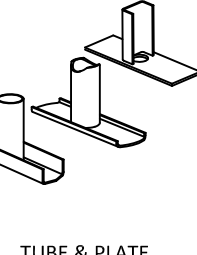
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POA ANCHOR



TUBE AND STRAP



TUBE & PLATE
WELD-IN EMA
ANCHOR

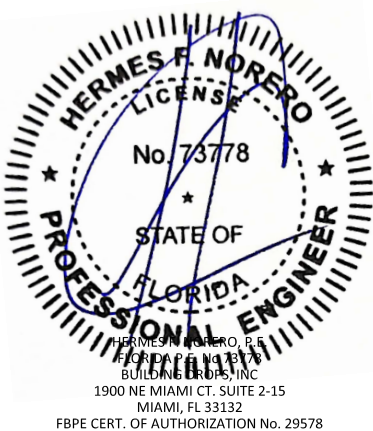
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CARMEL, IN 46032
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REPUBLIC DOORS: ANCHORS -
STEEL STUD & EMA INTO
CONCRETE WALL OR CMU

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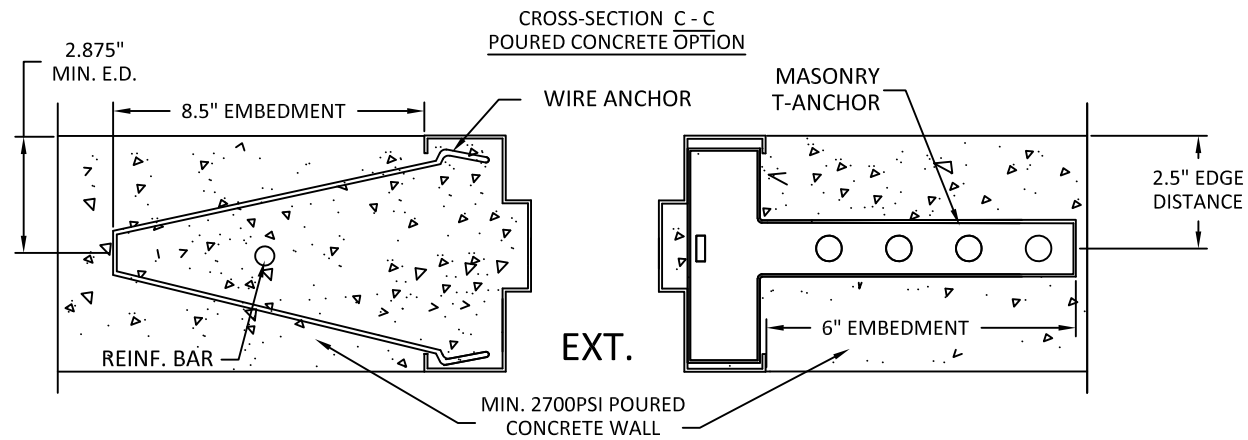
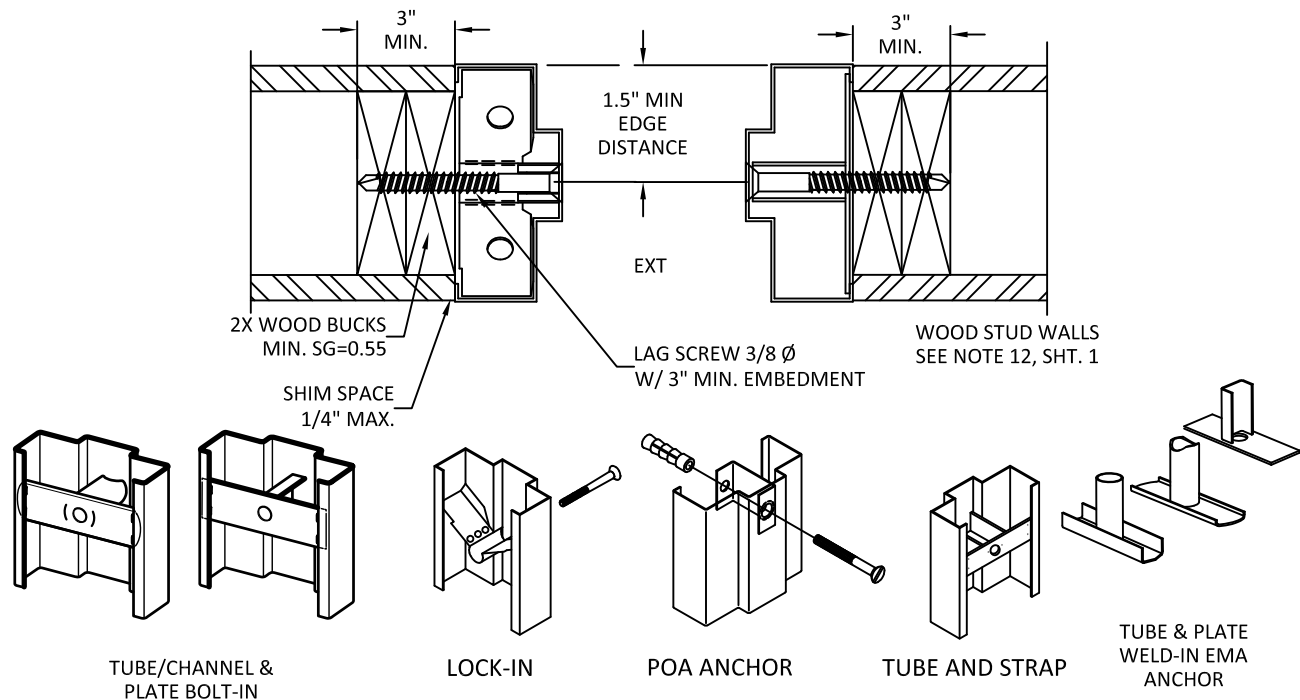
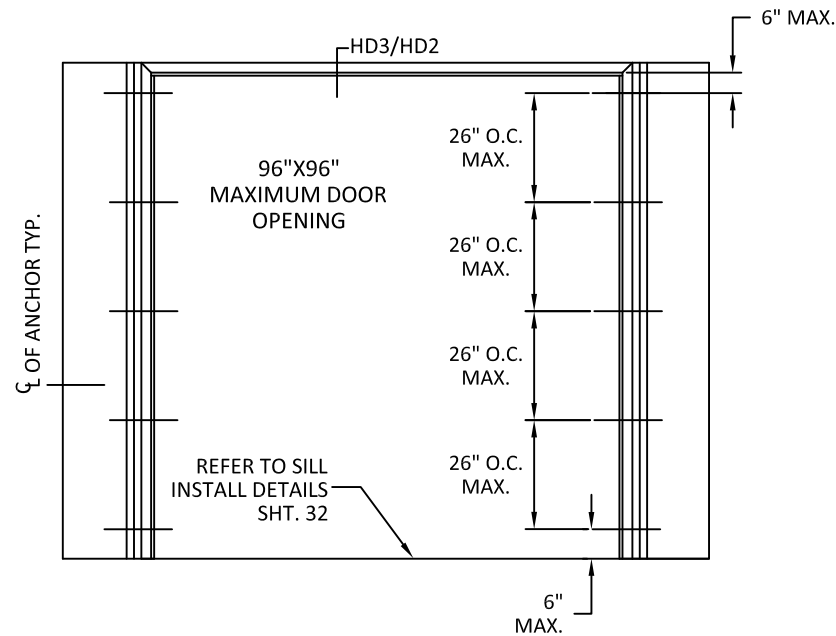
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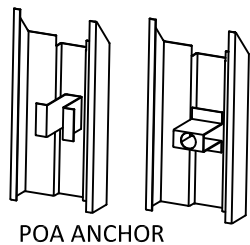
DWG. #: FDDA330

SHEET: 28 OF 32

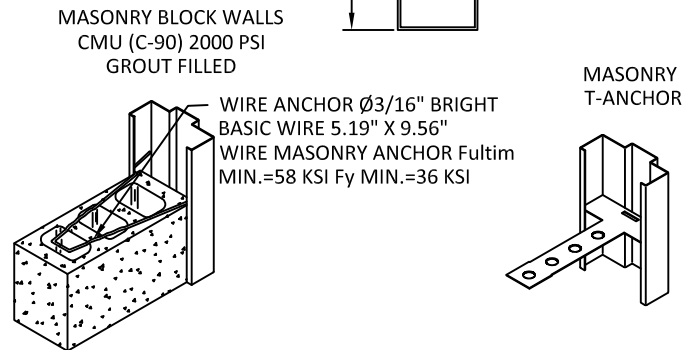
5 PREPARED OPENING ANCHOR (POA) WITH LAG
BOLT INTO WOOD STUD WALL



NOTES:
1. (*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 250 #/FT. LOAD FOR ASSEMBLIES RATED @ 60 PSF.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK.
4. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL.
5. THE INSTALLATION DETAILS DESCRIBED HEREIN MAY NOT REFLECT ACTUAL CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.



NOTE:
1. 3/8" LAG SCREWS TO BE MIN SAE GRADE 2 OR EQUIVALENT.



REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.06.25

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.



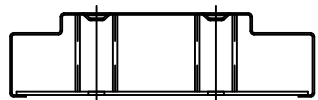
FL10356	
DATE: 04.10.23	
DWG. BY: DI	CHK. BY: HFN
SCALE: NTS	
DWG. #: FDDA330	
SHEET: 29	
OF 32	

SEE PAGE 16 FOR
OPTION 1 ANCHOR DETAILS

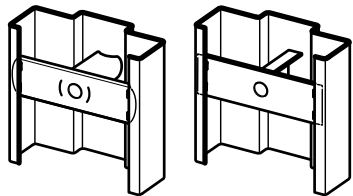


ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

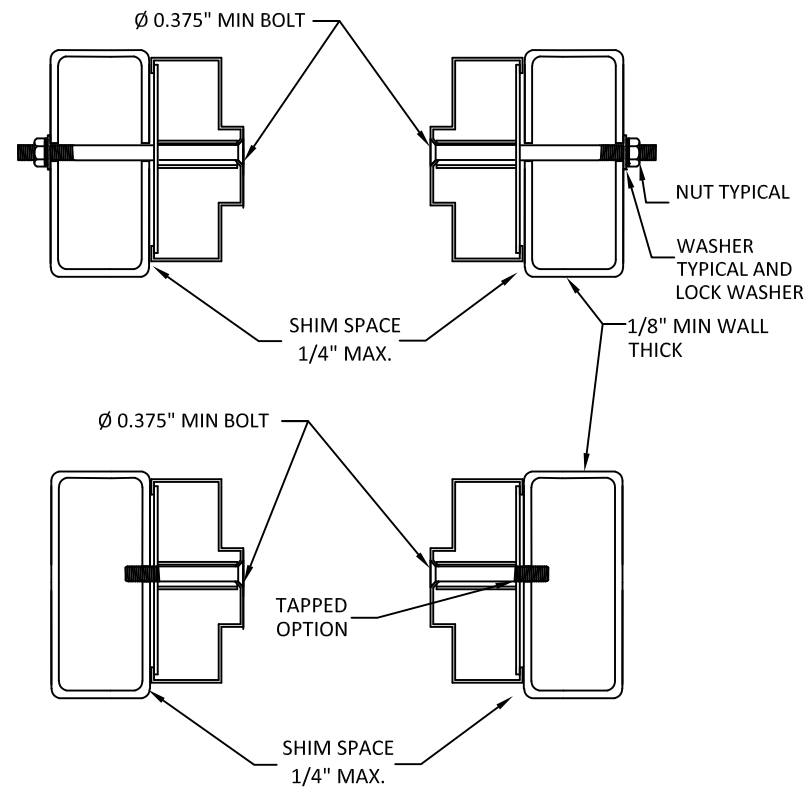
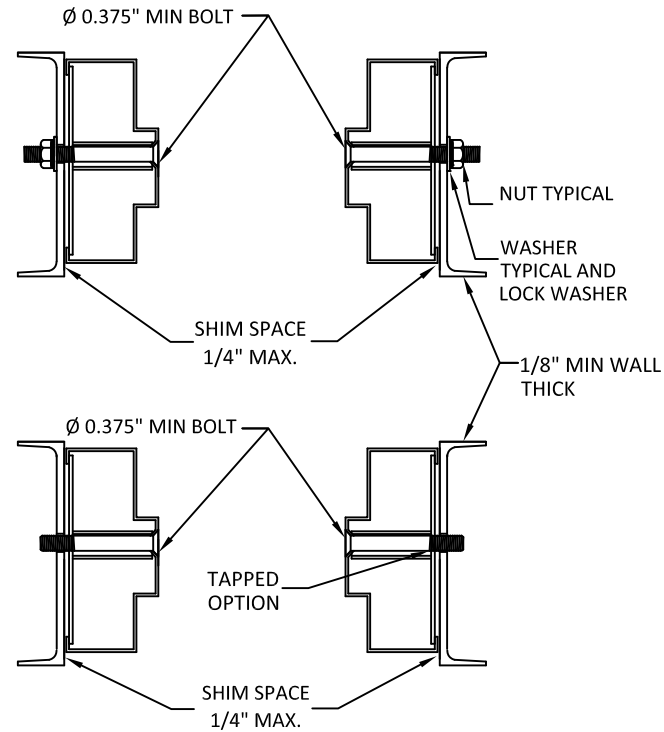
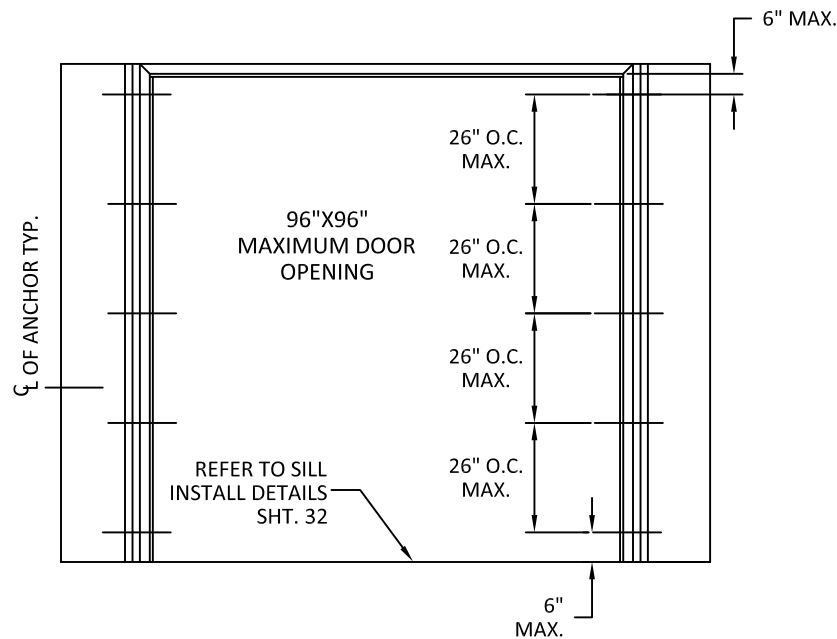
7 FRAMES BOLTED TO BUILDING STRUCTURE



9 1/4" JAMB DEPTH AND ABOVE
REQUIRES 2 ANCHOR BOLTS



TUBE/CHANNEL &
PLATE BOLT-IN



NOTE:
1. 3/8" BOLTS AND NUTS TO BE MIN SAE GRADE 2 OR EQUIVALENT.

NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 250 #/FT. LOAD FOR ASSEMBLIES RATED @ 60 PSF.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3.SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK.
4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL.
5.THE INSTALLATION DETAILS DESCRIBED HEREIN MAY NOT REFLECT ACTUAL CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)
REPUBLIC DOORS: ANCHORS -
FRAMES BOLTED TO BUILDING
STRUCTURE

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.06.25

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FL10356

DATE: **04.10.23**

DWG. BY:
DI

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **FDDA330**

SHEET:

30

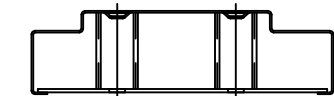
SEE PAGE 17 FOR
OPTION 1 ANCHOR DETAILS



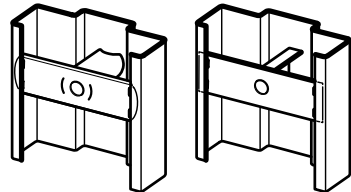
ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

8

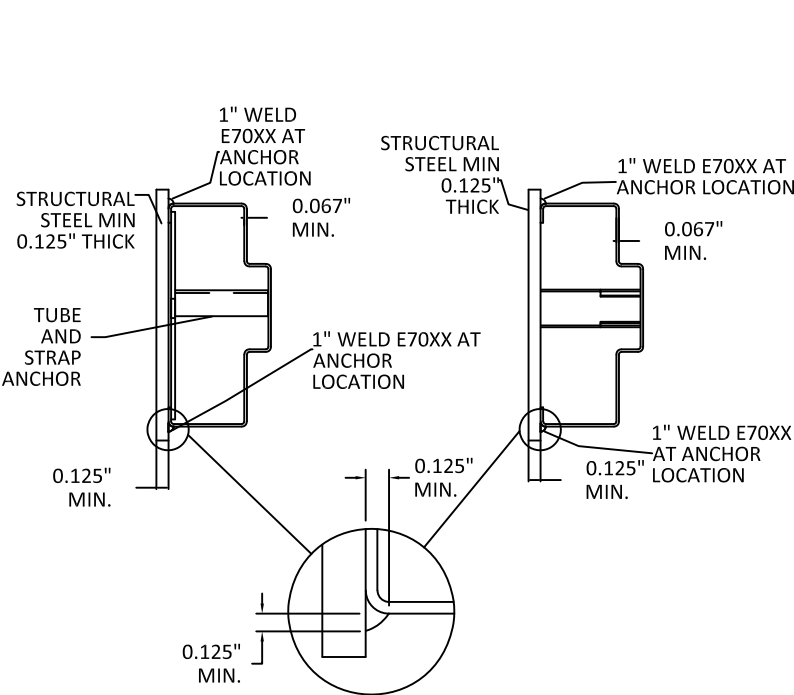
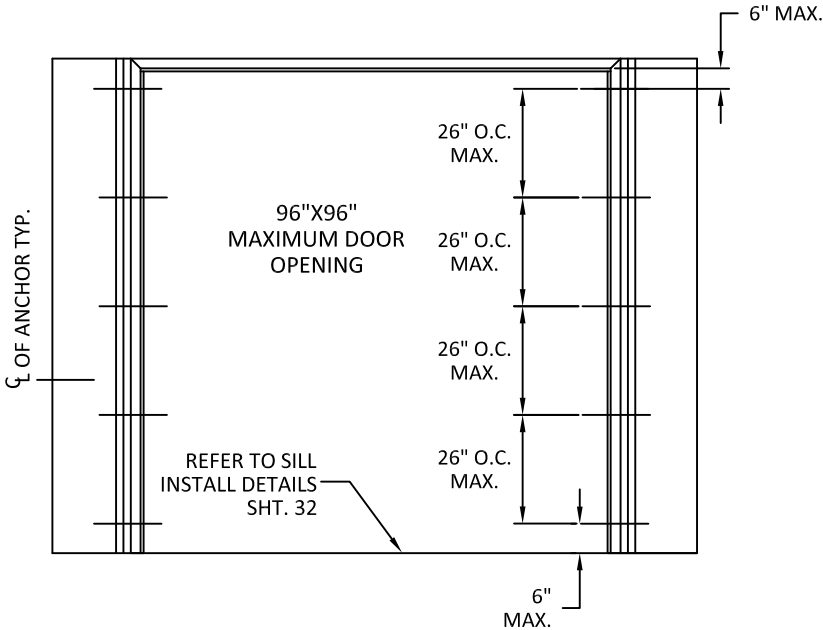
WELDED ANCHOR
SHIM OR STEEL BUILDING
STRUCTURE



9 1/4" JAMB DEPTH AND ABOVE
REQUIRES 2 ANCHOR BOLTS



TUBE/CHANNEL &
PLATE BOLT-IN



NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 250 #/FT. LOAD FOR ASSEMBLIES RATED @ 60 PSF.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3.SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK.
4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL.
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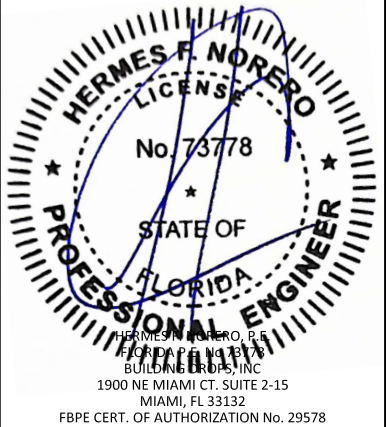
TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)
REPUBLIC DOORS: ANCHORS -
FRAMES WELDED TO STEEL
STRUCTURE BUILDING

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

BUILDING DROPS

REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.06.25

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FL10356

DATE: **04.10.23**

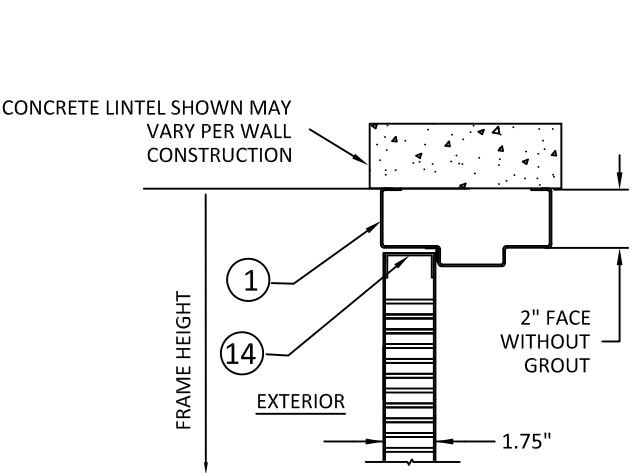
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SCALE: **NTS**

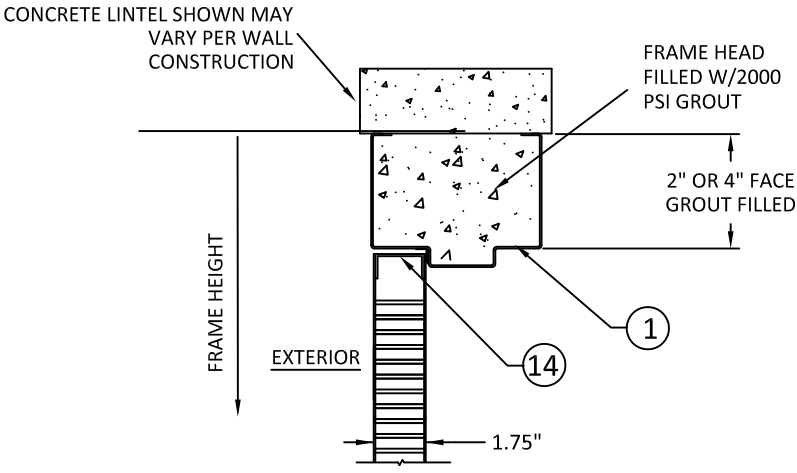
DWG. #: **FDDA330**

SHEET:
31
OF 32

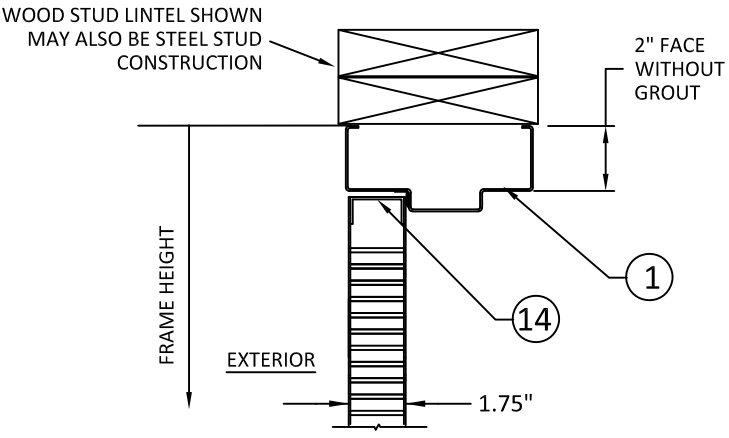
SEE PAGE 18 FOR OPTION 1
DETAILS



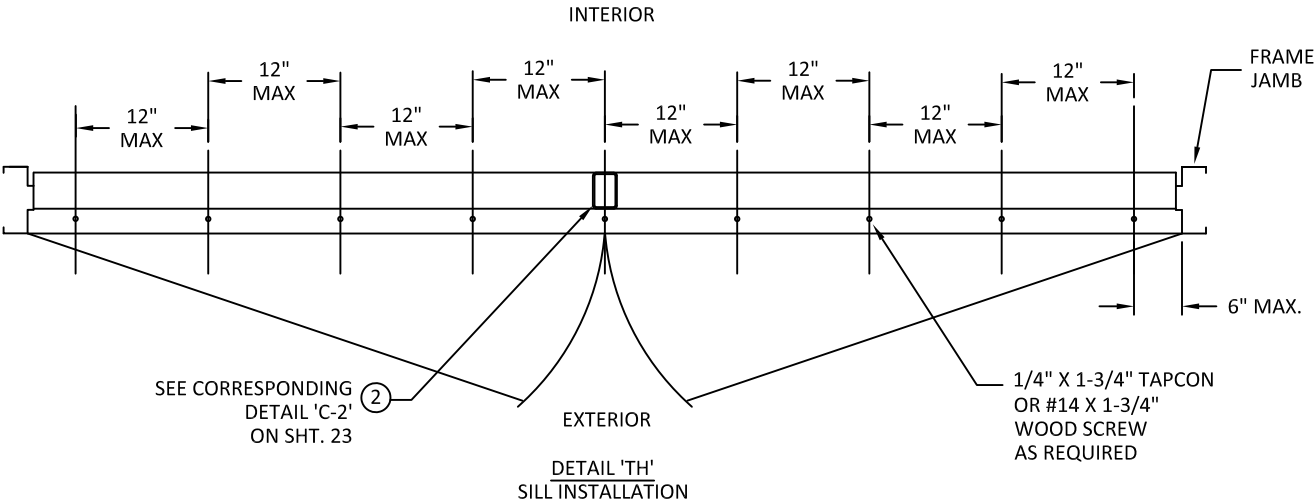
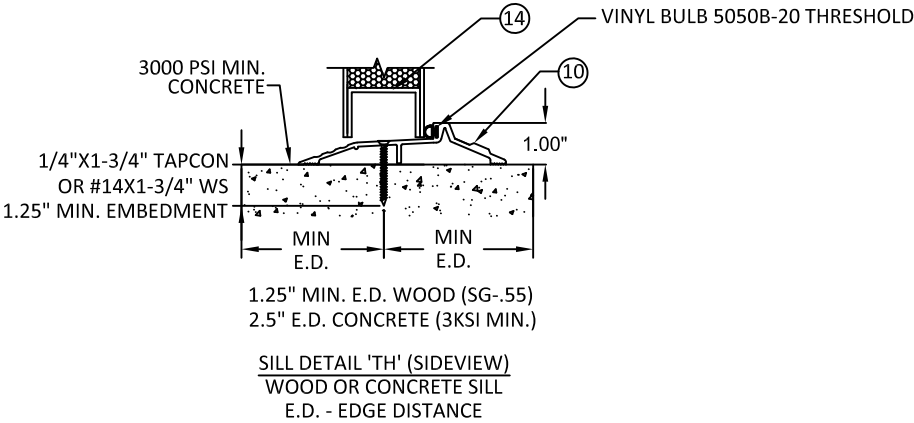
HD1 - FRAME HEAD SECTION



HD2 - FRAME HEAD SECTION



HD3 - FRAME HEAD SECTION



NOTES:
1. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
2. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK.
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ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL DOUBLE DOOR
(NON-HVHZ) (NON-IMPACT)

REPUBLIC DOORS: FRAME &
HEAD DETAILS

PREPARED BY:

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REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.06.25

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FL10356

DATE: 04.10.23

DWG. BY:
DI

CHK. BY:
HFN

SCALE: NTS

DWG. #: FDDA330

SHEET:

32

OF 32