

ALLEGION - SCHLAGE LOCK COMPANY, LLC.

FLUSH OUTSWING/INSWING COMMERICAL STEEL SINGLE 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 & 25 - 29 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. -12.25" 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 21
5. SEE SHEET 2, 3, 6, 12, 22 AND 24 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
10. WHEN WATER INFILTRATION RATING IS REQUIRED, INSTALL GASKETING PER SHEETS 20
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/-45	+50/-45	+45/-50	
3	+50/-50	+50/-50	+50/-50	
4	+50/-45	+50/-45	+45/-50	
5	+60/-45	+60/-45	+45/-60	
6	+50/-40	+50/-40	+40/-50	
7	+50/-50	+50/-50	+50/-50	
8	+50/-40	+50/-40	+40/-50	
9	+50/-50	+50/-50	+50/-50	
10	+50/-50	+50/-50	+50/-50	
11	+60/-60	+60/-60	+60/-60	
12	+60/-60	+60/-60	+60/-60	
13	+50/-40	+50/-40	+40/-50	
14	+50/-45	+50/-45	+45/-50	
15	+50/-50	+50/-50	+50/-50	
16	+55/-40	+55/-40	+40/-55	
17	+55/-55	+55/-55	+55/-55	

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. 24).
3. FOR STEELCRAFT DOOR SPECIFICATIONS REFERENCE SEE TABLE 3, SHT. 11. FOR REPUBLIC DOORS DOOR SPECIFICATIONS REFERENCE SEE TABLE 9, SHT. 24.
4. FRAME CORNER WELD: CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM. GRIND, SMOOTH, PRIME, & PAINT. WELD CLASSIFICATION - E70XX. SEE SHEET 12 & 24 FOR DETAIL.

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GENERAL NOTES &
DESIGN PRESSURE TABLE

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15

MIAMI, FL 33132

PH: (954)399-8478

FAX: (954)744-4738

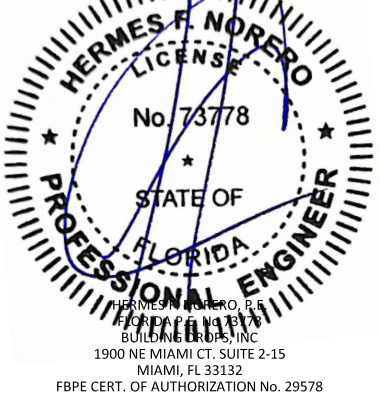
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REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.12.24
LOCK UPDATE	JA	09.09.24
MISC. UPDATE	DI	12.05.25

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.

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Reason: I am approving this document
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FL10356

DATE: 05.10.23

DWG. BY:
DI

CHK. BY:
HFN

SCALE: NTS

DWG. #: FSDA330

SHEET:

1

OF 30

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	STRIKE MODELS	BRAND	
1	±50	±50	48	96	MORTISE LOCK	L/LV9000, AD-MS, CO-MS, PM	STANDARD	SCHLAGE	FUNCTIONS WITHOUT DEADBOLT, 3/4" MIN. THROW LATCH
						LE-MS, LEB-MS, LE-MB, LEB-MB			
						XE360-M-B, XE360-M-I			
						L/LV9400, AD-MD, CO-MD, PM400	STANDARD	SCHLAGE	FUNCTIONS WITH 1" THROW DEADBOLT, 3/4" MIN. THROW LATCH
						LE-MD, LEB-MD			
						XE360-M-D			
MA	STANDARD	FALCON	FUNCTIONS WITH OR WITHOUT DEADBOLT, 3/4" MIN. THROW LATCH						
2	+50 / -45	+45 / -50	48	96	MORTISE LOCK	L/LV9000, AD-MS, CO-MS, PM	VON DUPRIN ELECTRIC STRIKE MODELS: 6210, 6211, 6212, 6213, 6214, 6215	SCHLAGE	FUNCTIONS WITHOUT DEADBOLT, 3/4" MIN. THROW LATCH
						LE-MS, LEB-MS, LE-MB, LEB-MB			
						XE360-M-B, XE360-M-I		FALCON	
						MA	VON DUPRIN ELECTRIC STRIKE MODELS: 6216	SCHLAGE	FUNCTIONS WITH DEADBOLT, 3/4" MIN. THROW LATCH
						L/LV9400, AD-MD, CO-MD, PM400			
						LE-MD, LEB-MD		FALCON	
						XE360-M-D			
						MA			
						3	±50	±50	48
AD-CY, CO-CY	1/2" MIN. THROW LATCH (13-247, 14-028, 14-042)								
ALX, PC									
B, X	FALCON	1/2" MIN. THROW LATCH							
T, TM		1/2" THROW LATCH (23981145)							
4	+50 / -45	+45 / -50	48	96	CYLINDRICAL LOCK	ND, NDE, NDEB, A, AL, S	VON DUPRIN ELECTRIC STRIKE MODELS: 6211, 6212, 6213, 6214, 6215	SCHLAGE	1/2" MIN. THROW LATCH
						AD-CY, CO-CY			1/2" MIN. THROW LATCH (13-247, 14-028, 14-042)
						ALX, PC		FALCON	1/2" MIN. THROW LATCH
						B, X			1/2" THROW LATCH (23981145)
						T, TM			
5	+60 / -45	+45 / -60	48	96	MORTISE DEADLOCK	L400	STANDARD	SCHLAGE	1" THROW BOLT
					CYLINDRICAL DEADLOCK	B600/B700/B800			
6	+50 / -40	+40 / -50	48	96	RIM EXIT DEVICE	22 & 22-F	299/299-F	VON DUPRIN	
						98, 99, 98-F, 99-F			
						HW78, HW78-F			
7	±50	±50	48	96	RIM EXIT DEVICE	33A/35A & 33A-F/35A-F	299/299-F	VON DUPRIN	
						HW75, HW75-F	299/299-F		
						55	299/299-F		
						88 & 88-F	299/299-F, 268/468		
						XP98, XP99, XP98-F, XP99-F	909/954		
						19-R, F-19-R	299/299-F	FALCON	
						24-R, F-24-R	F570/F490		



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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	
8	+50 / -40	+40 / -50	48	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			
9	±50	±50	48	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			
						XX-V & F-XX-V			
10	±50	±50	48	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			
11	±60	±60	48	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			
12	+60 / -60	+60 / -60	48	96	CONCEALED VERTICAL ROD EXIT DEVICE	24-C, F-24-C	TOP: 4188 BOTTOM: 2130	FALCON	
						25-C, F-25-C			
13	+50 / -40	+40 / -50	48	96	THREE-POINT LATCHING DEVICE	9857, 9957, 9857-F, 9957-F	TOP: 299/299-F MIDDLE: 299/299-F BOTTOM: 304L	VON DUPRIN	
14	+50 / -45	+45 / -50	48	96	MORTISE EXIT DEVICE	98/9975 & 98/9975-F	575	VON DUPRIN	
						8875 & 8875-F			
						94/9575 & 94/9575-F			
15	±50	±50	48	96	MORTISE EXIT DEVICE	25-M & F-25-M	1279	FALCON	
16	+55 / -40	+40 / -55	48	96	EXIT ALARM LOCK	2670 GUARD-X	267	VON DUPRIN	
17	±55	±55	36	84	TUBULAR LOCK	XE360-T	STANDARD	SCHLAGE	1/2" MIN. THROW LATCH

1. EXIT HARDWARE OPTIONS:
- FOR 98/99, XP98/99, 94/95, 33A/35A, HW75, HW78, 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



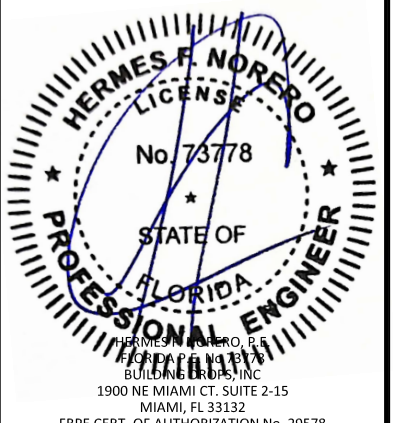
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HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL10356

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DWG. BY: DI

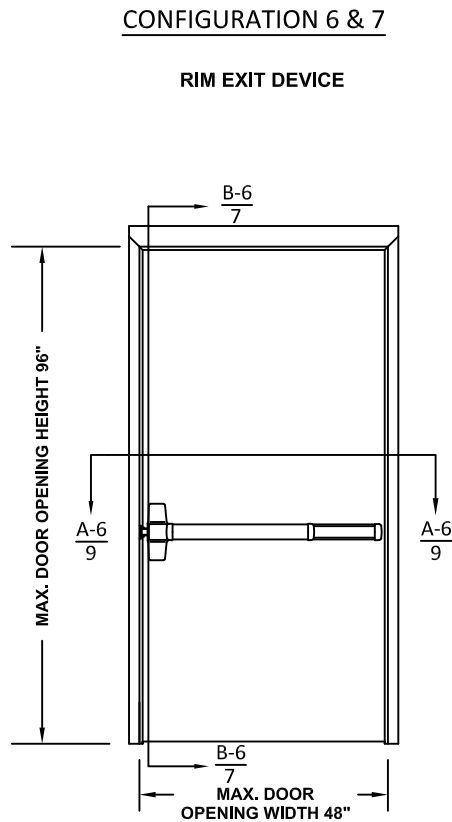
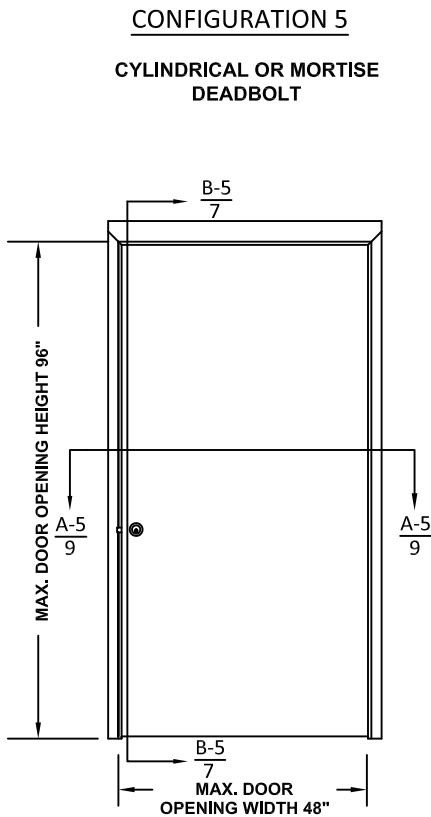
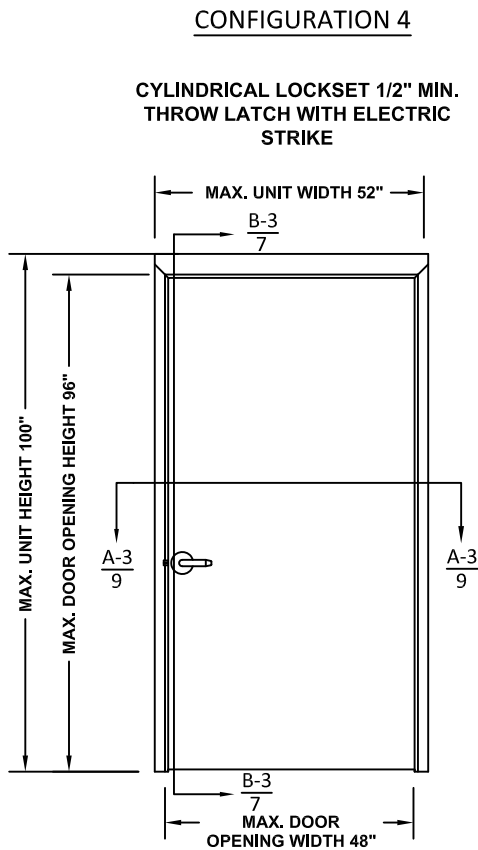
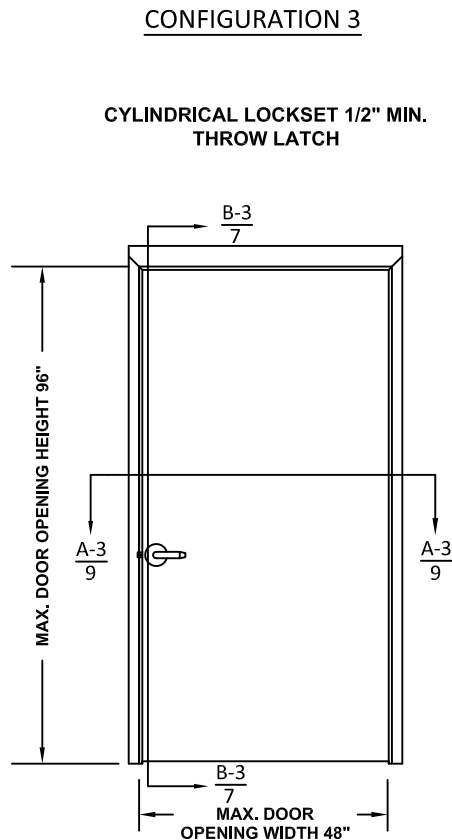
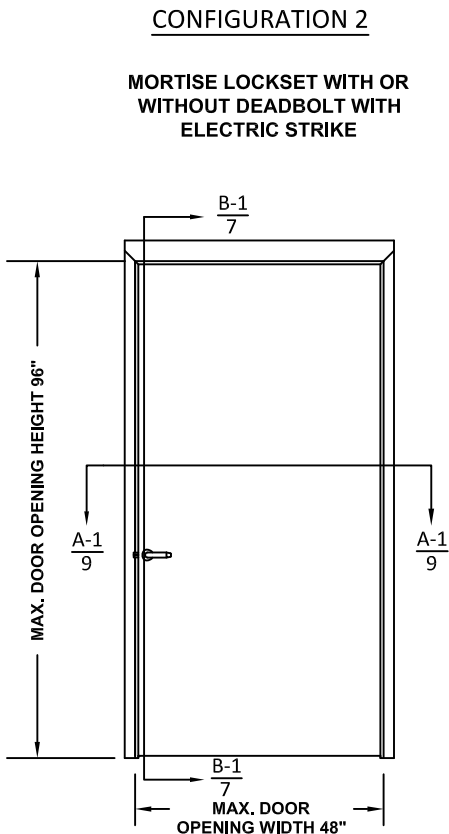
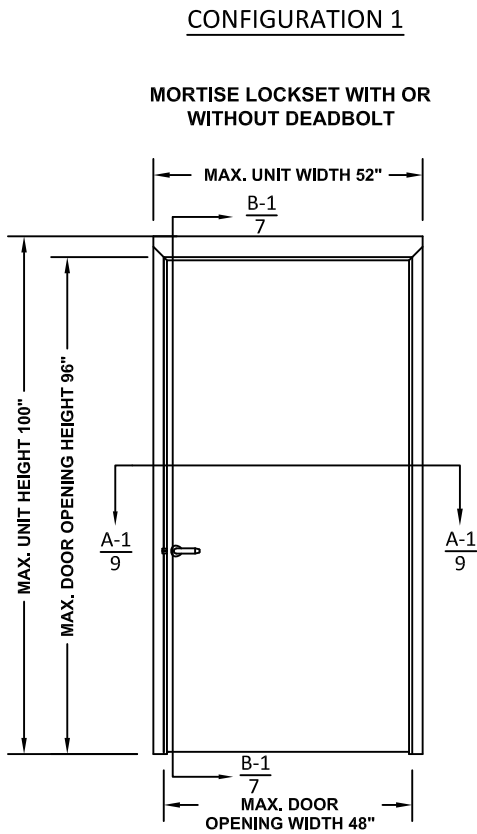
CHK. BY: HFN

SCALE: NTS

DWG. #: FSDA330

SHEET: 3

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DOOR CONFIGURATIONS 1-8

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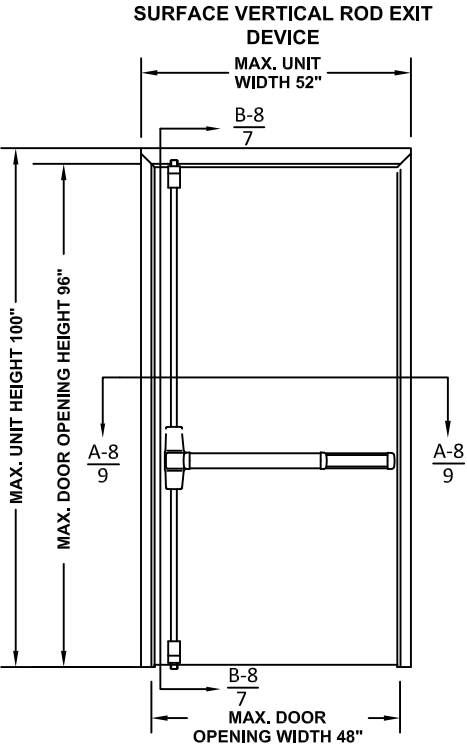
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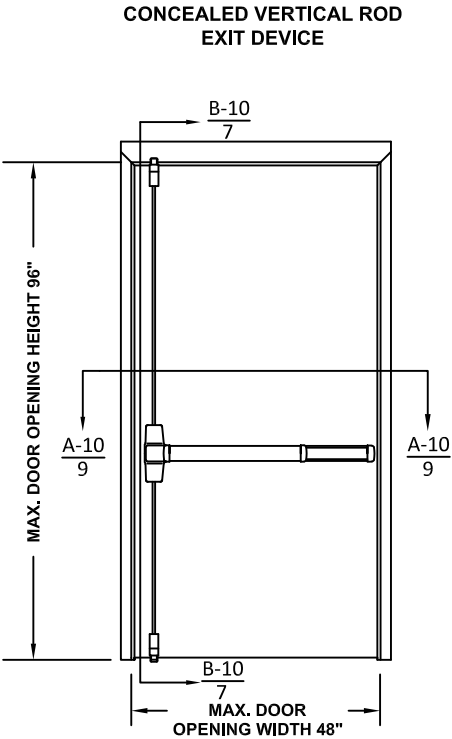
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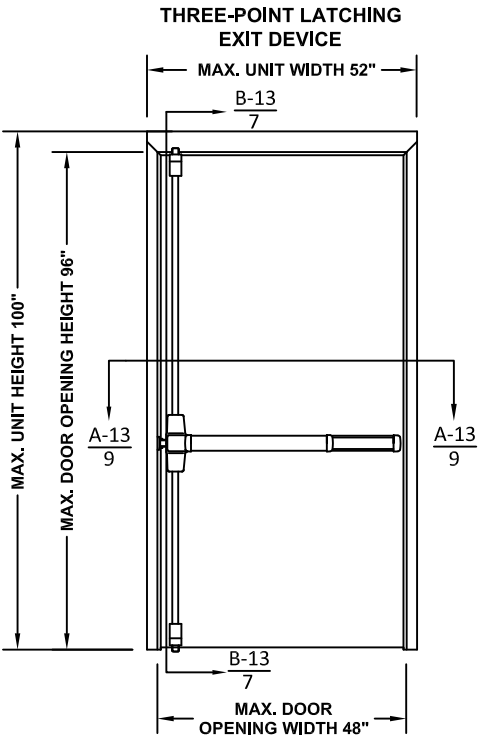
CONFIGURATION 8 & 9



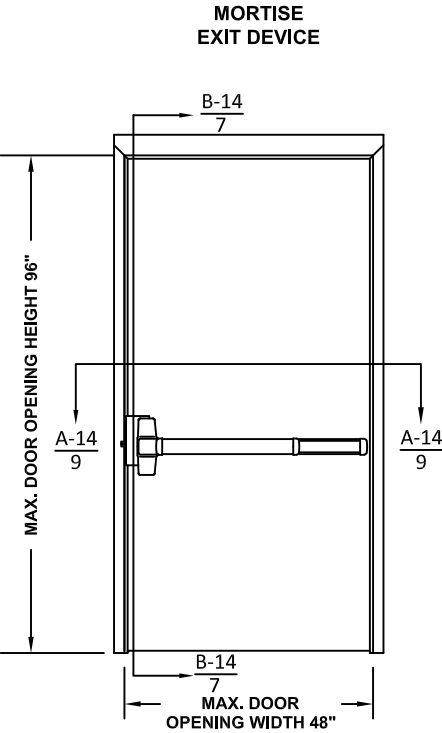
CONFIGURATION 10, 11 & 12



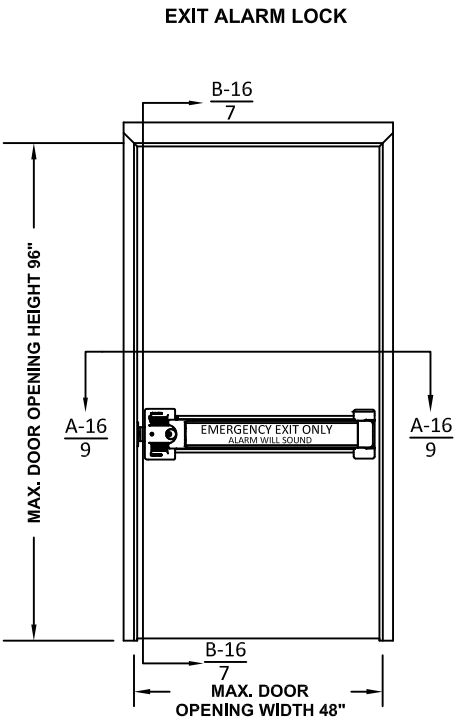
CONFIGURATION 13



CONFIGURATION 14 & 15



CONFIGURATION 16



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DOOR CONFIGURATIONS 9-16

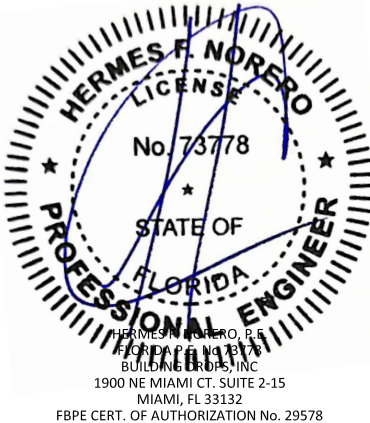
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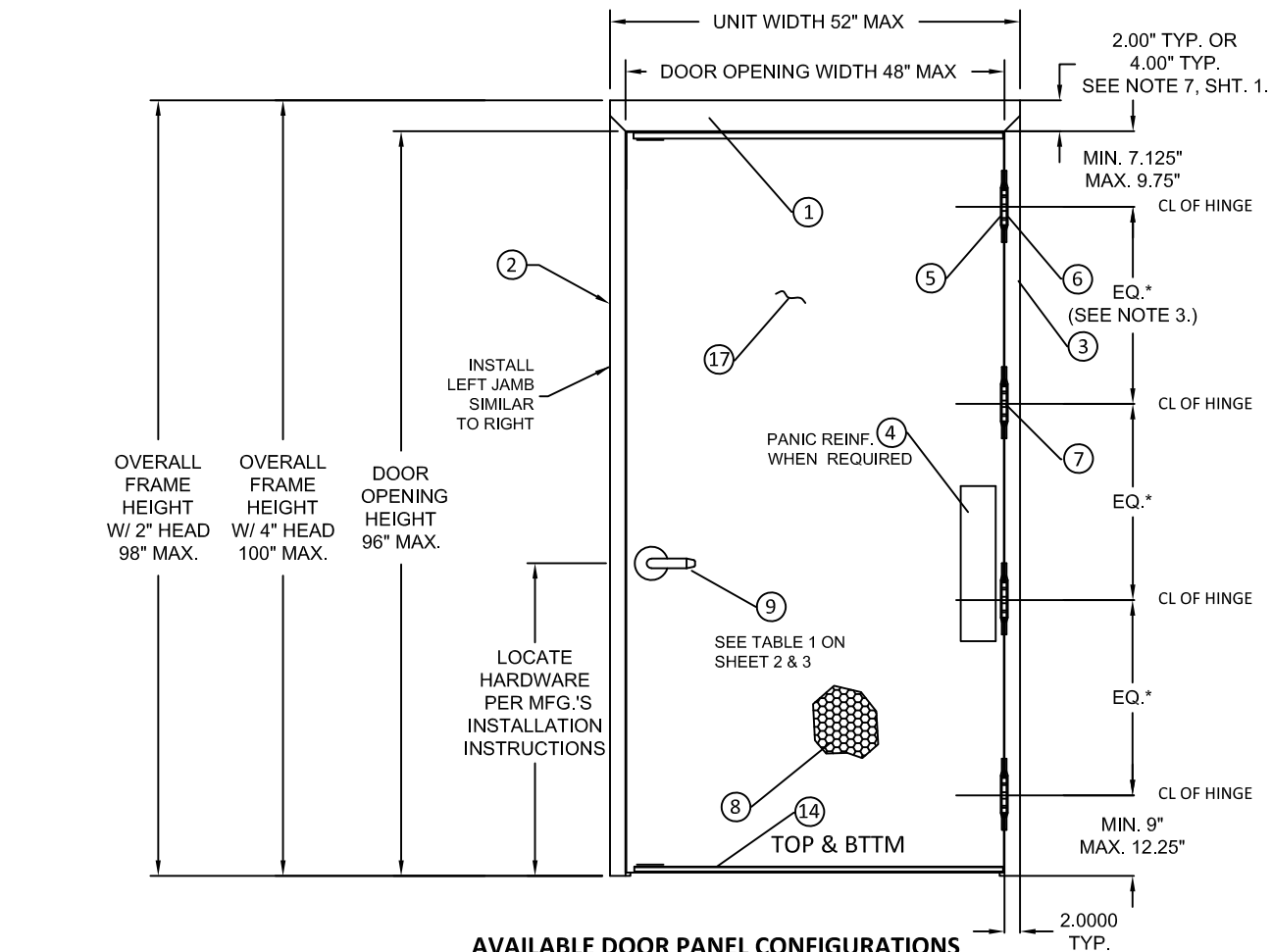
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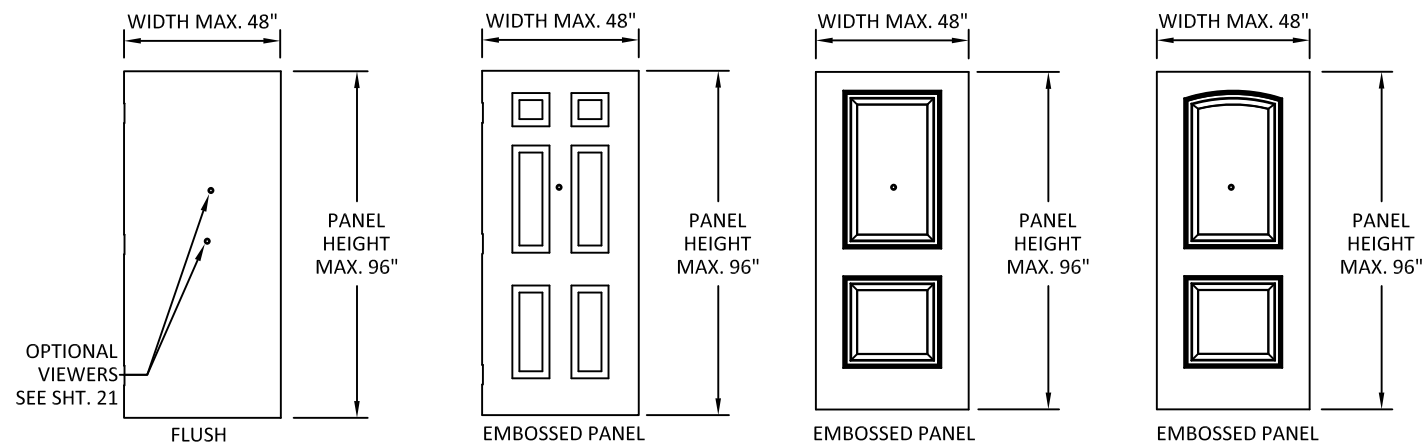
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OUTSWING OR INSWING DOOR
ALL DIMENSIONS TYPICAL, UNLESS SPECIFIED OTHERWISE



AVAILABLE DOOR PANEL CONFIGURATIONS



1. DOOR CONSTRUCTION
- 1.1. MINIMUM DOOR THICKNESS - 1 3/4"
- 1.2. DOOR SIZE MAY VARY, SUBJECTED TO COMPLIANCE WITH FLORIDA BUILDING CODE AND PRODUCT AVAILABILITY FROM MANUFACTURER (SEE SHEET 2 & 3 FOR AVAILABLE HARDWARE)
- 1.3. MAXIMUM 9/16" DIAMETER HOLE THROUGH DOOR FOR VIEWER INSTALLATION. MAXIMUM 2 VIEWERS PER DOOR

TABLE 2: (FOR OPTION 2 SEE TABLE 8 SHEET 22)

ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	HEAD, SEE SHT. 12	.053" MIN. STL	MAX. 52"
2	1	STRIKE JAMB, SEE SHT. 12	0.53" MIN. STL	MAX 100"
3	1	HINGE JAMB, SEE SHT. 12	.053" MIN. STL	MAX. 100"
4	1	HINGE SIDE PANIC REINFORCEMENT - WHEN REQUIRED	.067" MIN. STL	MAX. 20"
5	NOTE 3, SHT. 1	HINGE REINFORCEMENT DOOR	.167" MIN. STL	1.23" X 9.19" MIN.
6	NOTE 3, SHT. 1	HINGE REINFORCEMENT FRAME	.167" MIN. STL	1.5" X 9.19" MIN.
7	NOTE 3, SHT. 1	4.5" MIN. BUTT HINGES (SEE SHT. 21)	.134 MIN. STL.	(8) #12-24 MS PER HINGE
		OPTIONAL CONTINUOUS HINGE (SEE SHEET 21)	.075" MIN.STL / .110 ALUM.	MAX. 95"
8	1	CORE MATERIAL:		
		D) HONEYCOMB C) STEEL STIFFENED	SEE SHT. 11	
		A&F) POLYSTYRENE B&F) POLYURETHANE/POLYISOCYANURATE		
		E) MINERAL BOARD TEMPERATURE RISE CORE		
9	1	LOCKING HARDWARE - LOCKSET	SEE SHTS. 2 & 3	
10	1	THRESHOLD SILL W/BUMPER GASKET		
		10A) 566 ZERO 10B) 65 ZERO 10C) 568 ZERO	.125" ALUM. 6063 T5	48" MAX.
		10D) 950A NGP	.078" ALUM. 6063 T5	
		10E) 803V NGP	.100" ALUM. 6063 T5	
		10F) 560 ZERO	.135" ALUM. 6063 T5	
		10G) 565 ZERO	.203" ALUM. 6063 T5	
11	NOTE 2, SHT. 1	FRAME ANCHOR	SEE SHTS. 13-17 & 25-29	-
12	SEE SHTS. 19-20	12A) P5074 DOOR SEAL STEELCRAFT	TPE	VARIES
		12B) 188S 12C) 117S 12D)8145S 12E)8150S 12F)8042S DOOR SEAL ZERO	VARIES	-
13	1	FAS-SEAL DOOR SWEEP. SEE SHTS. 19-20	TPE	MAX. 48"
14	2	END CHANNEL (14 GAGE - INVERTED)	.067" MIN. STL	.69" X 1.66" X 48" MAX.
16	AS NEEDED	CAULK - BUTYL RUBBER OR SILICONE	SEE SHTS. 19-20	-
17	1	DOOR SLAB (18, 16 OR 14 GA)	SEE SHT. 11	4' BY 8' MAX
19	2	202N DOOR SEAL BY NGP, SEE SHT. 20	TPE	MAX. 96"
20	1	20A) 139 DOOR SWEEP BY ZERO INT'L	SEE SHTS. 20	MAX 96" FOR VERTICAL MAX 48" FOR HORIZONTAL
		20B) 328 DOOR SWEEP BY ZERO INT'L		
		20C) 200N DOOR SWEEP BY NGP		
21	VARIES	21A) 475 ADJUSTABLE SEAL BY ZERO INT'L SEE SHT. 20	TPE	MAX. 96"
		21B) 170N ADJUSTABLE SEAL BY NGP		
22	1	22A) 142 RAIN DRIP BY ZERO INT'L	SEE SHTS. 20	MAX. 52"
		22B) 11 RAIN DRIP BY ZERO INT'L		MAX. 52"
		22C) 16A RAIN DRIP BY NGP		
23	1	23A) TOP CAP GALV. A60	.020" MIN. STL	MAX. 48"
		23B) 18 GA DOOR FLUSH TOP CAP	.047" MIN. STL	
27	1	IVES 698/U698 DOOR VIEWER	BRASS	-



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

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

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	06.12.24
LOCK UPDATE	JA	09.09.24
MISC. UPDATE	DI	12.05.25

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FL10356

DATE: 05.10.23

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

DWG. #: **FSDA330**

SHEET:

6

DF 30 ✓



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

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL SINGLE 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
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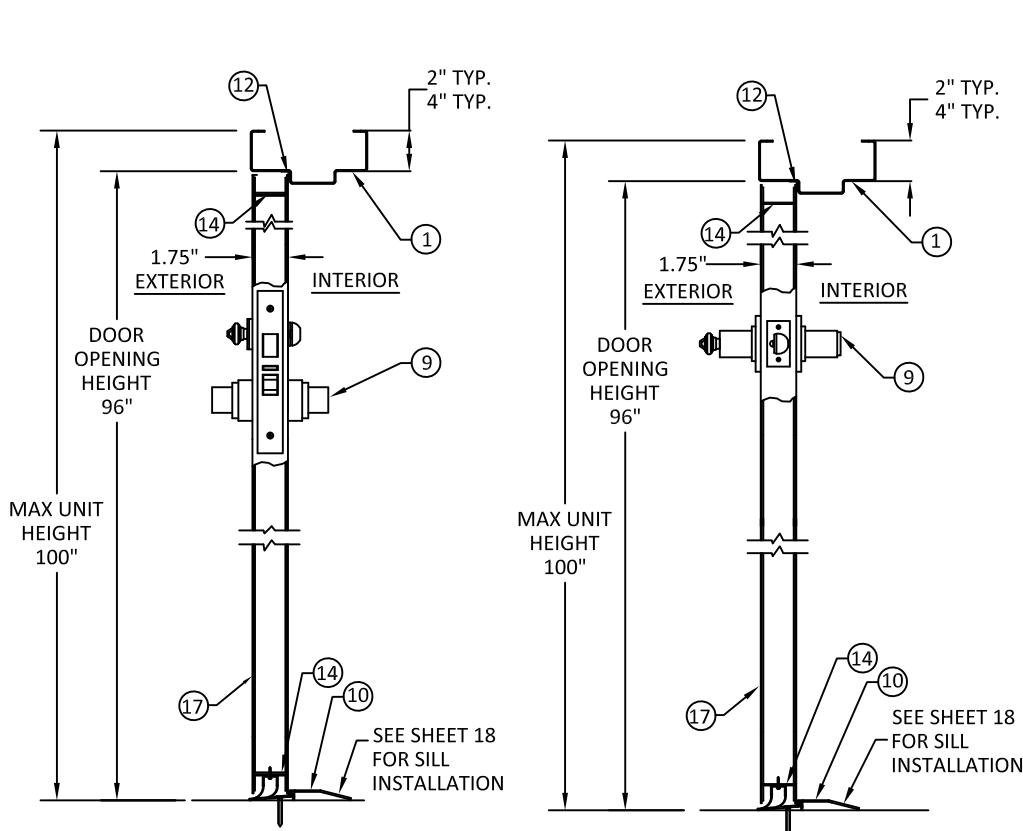
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DWG. #: FSDA330

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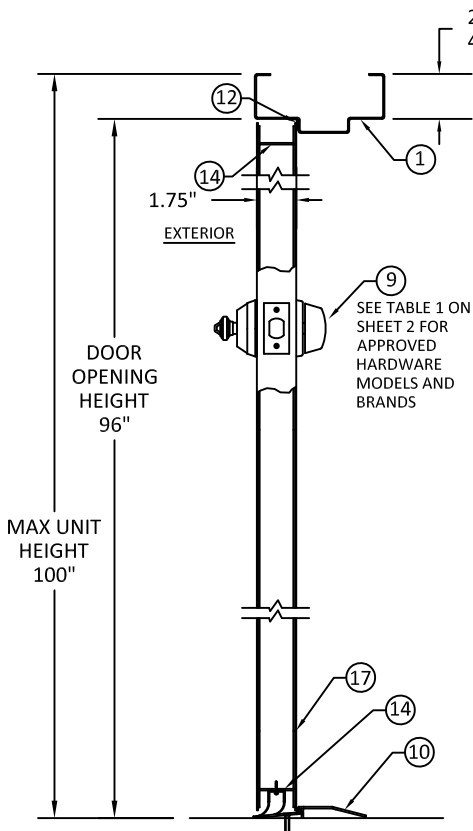
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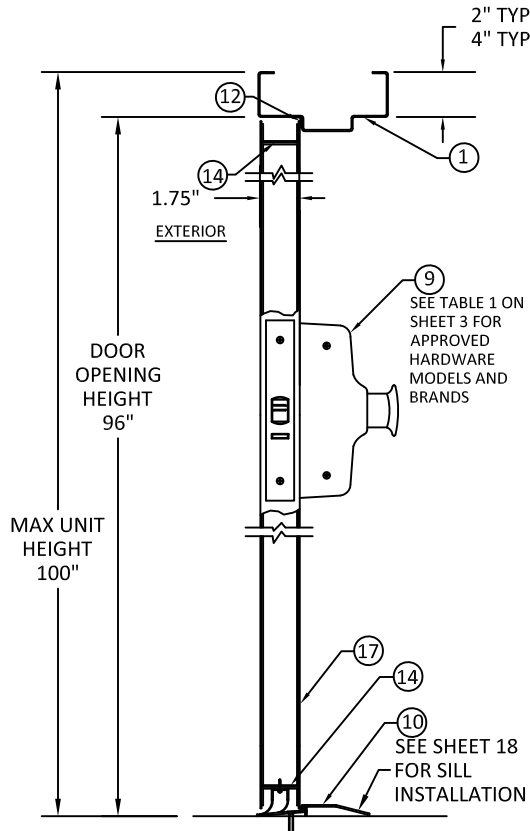


MORTISE LOCK
SECTION B-1 (SEE SHT. 4)
CONFIGURATION 1 & 2

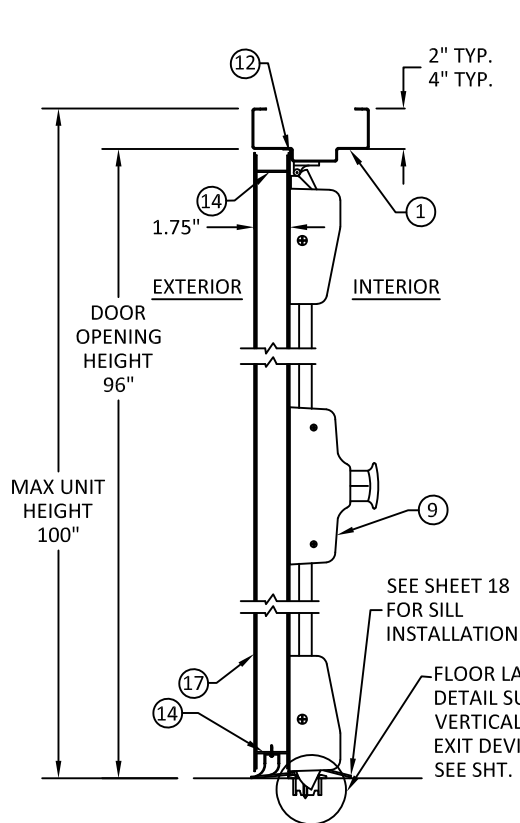
CYLINDRICAL LOCK
SECTIONS B-3 (SEE SHT. 4)
CONFIGURATION 3 & 4



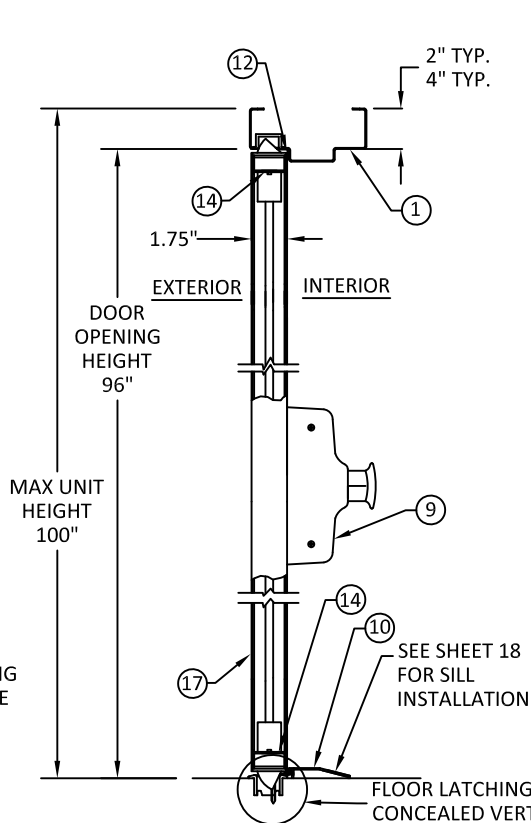
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SECTION B-5 (SEE SHT. 4)
CONFIGURATION 5



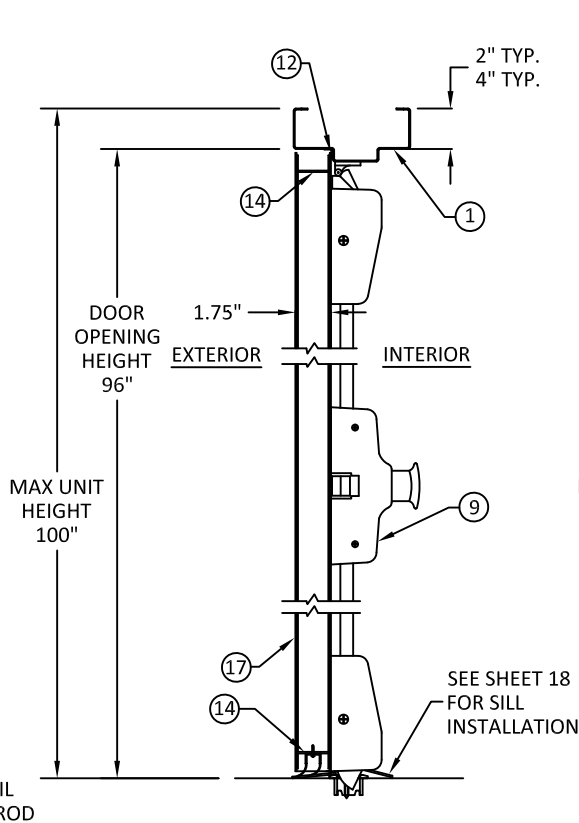
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SECTION B-14 (SEE SHT. 5)
CONFIGURATION 14 & 15



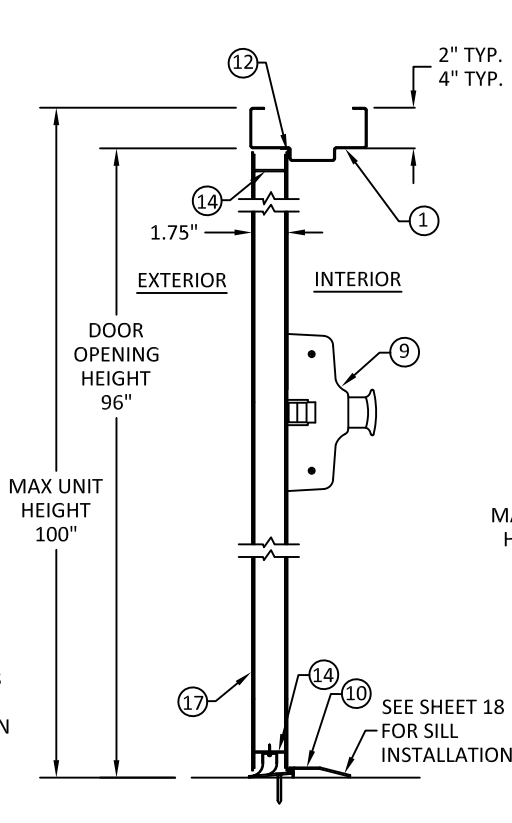
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SECTION B-8 (SEE SHT. 5)
CONFIGURATION 8 & 9



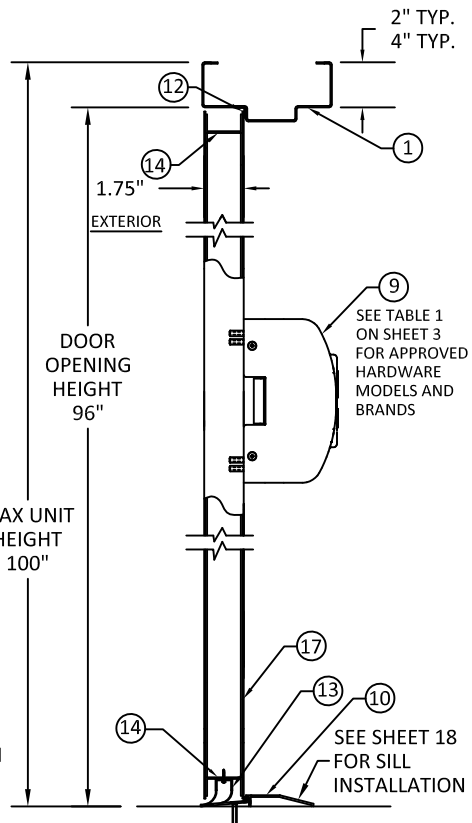
CONCEALED VERTICAL
ROD EXIT DEVICE
SECTION B-10 (SEE SHTS. 5)
CONFIGURATION 10, 11 & 12



THREE-POINT LATCHING EXIT DEVICE.
SECTIONS B-13 (SEE SHT. 5)
CONFIGURATION 13



RIM EXIT DEVICE
SECTIONS B-6 (SEE SHT. 4)
CONFIGURATION 6 & 7



EXIT ALARM LOCK
SECTION B-16 (SEE SHT. 5)
CONFIGURATION 16



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

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL SINGLE 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

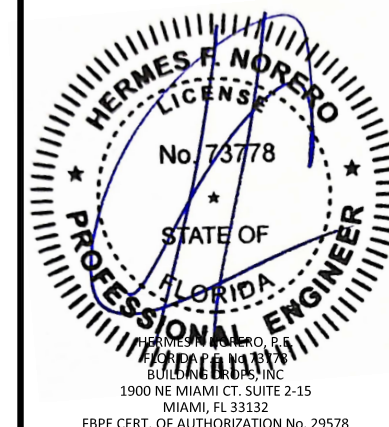
FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
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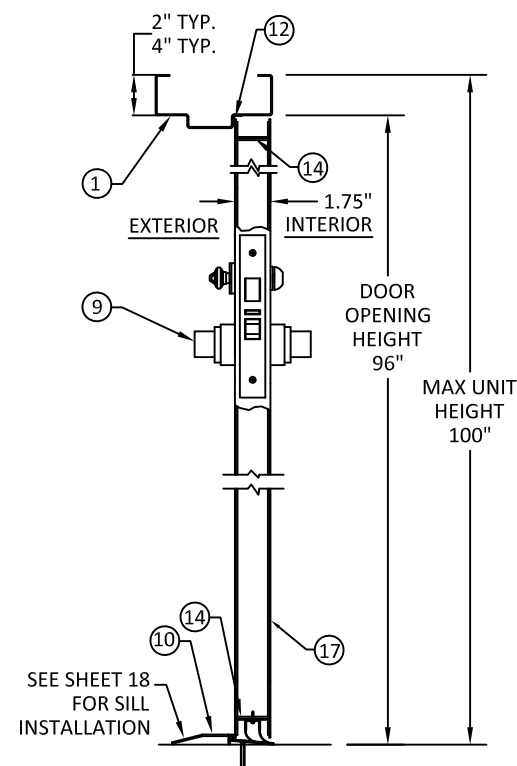
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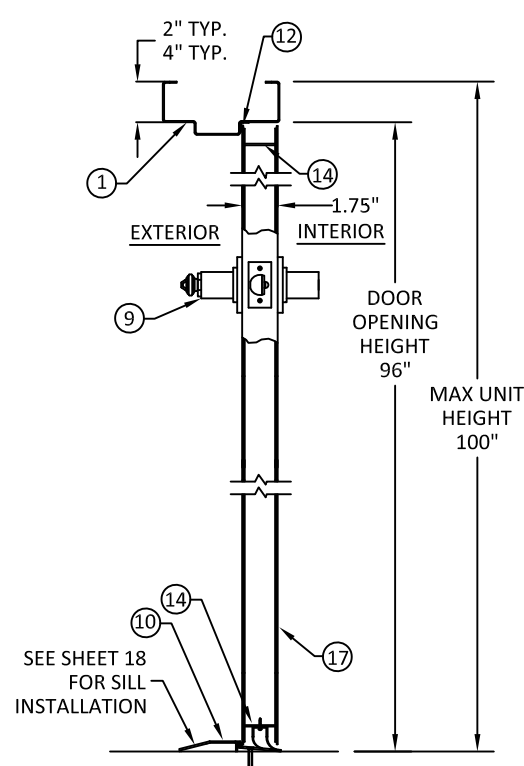
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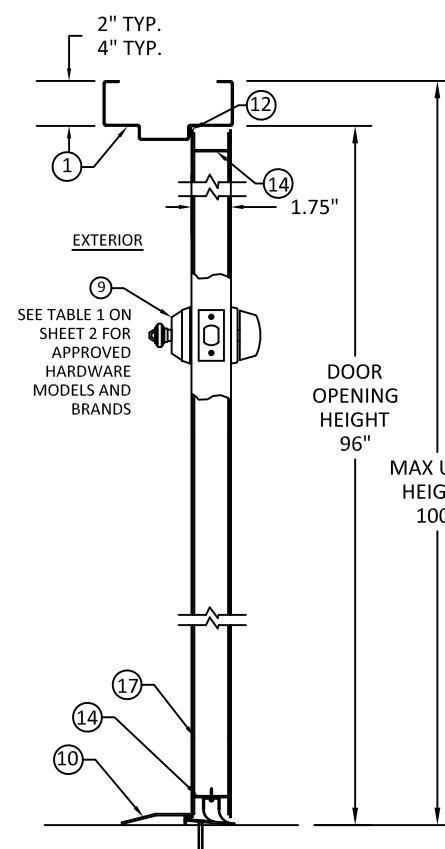
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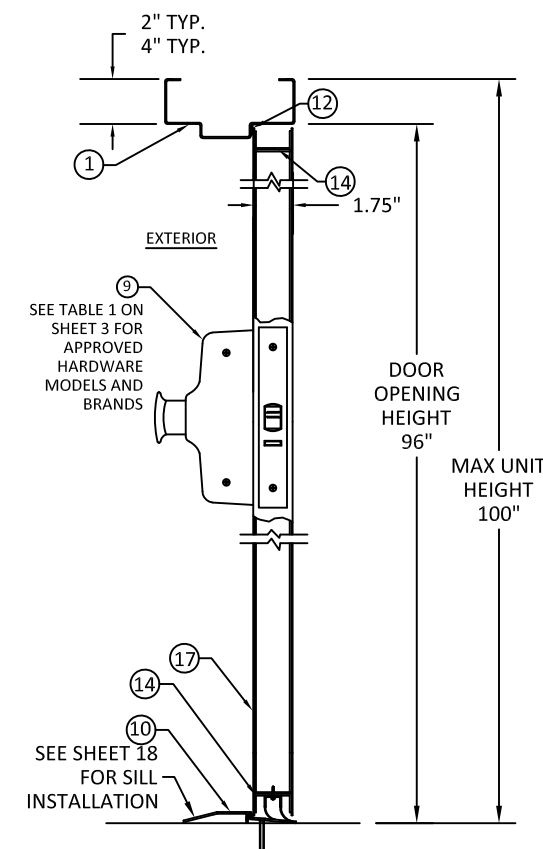
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SECTION B-1 (SEE SHT. 4)
CONFIGURATION 1 & 2



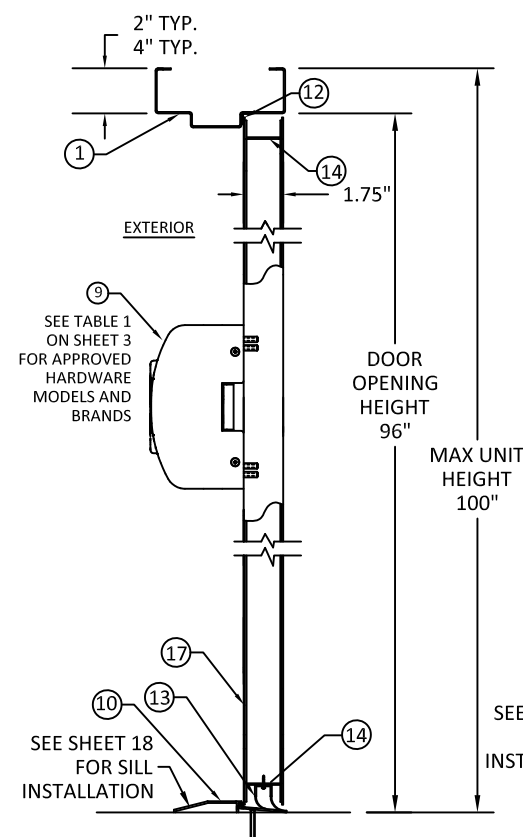
CYLINDRICAL LOCK
SECTIONS B-3 (SEE SHT. 4)
CONFIGURATION 3 & 4



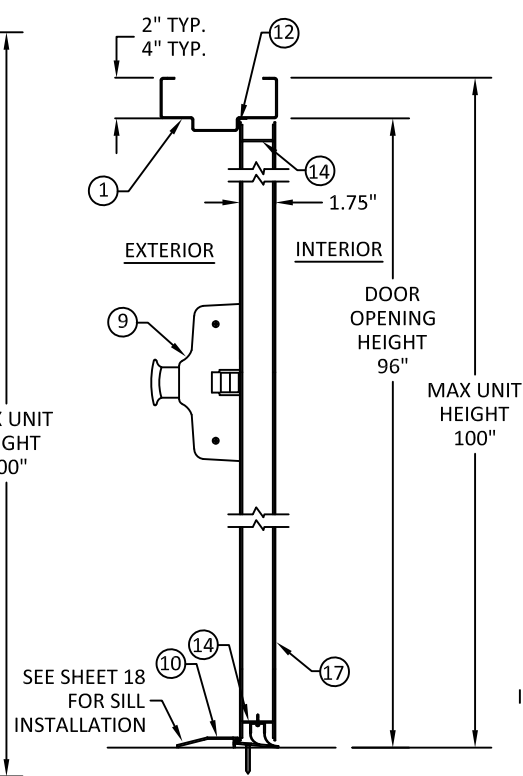
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SECTION B-5 (SEE SHT. 4)
CONFIGURATION 5



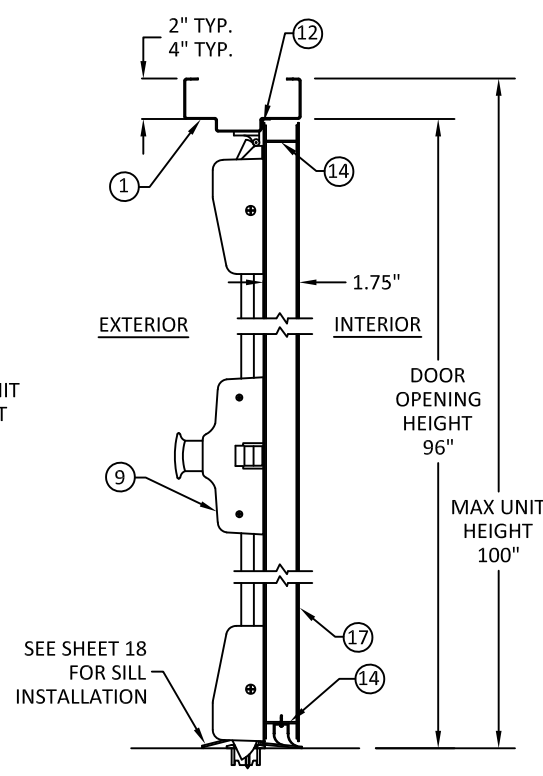
MORTISE EXIT DEVICE
SECTION B-14 (SEE SHT. 5)
CONFIGURATION 14 & 15



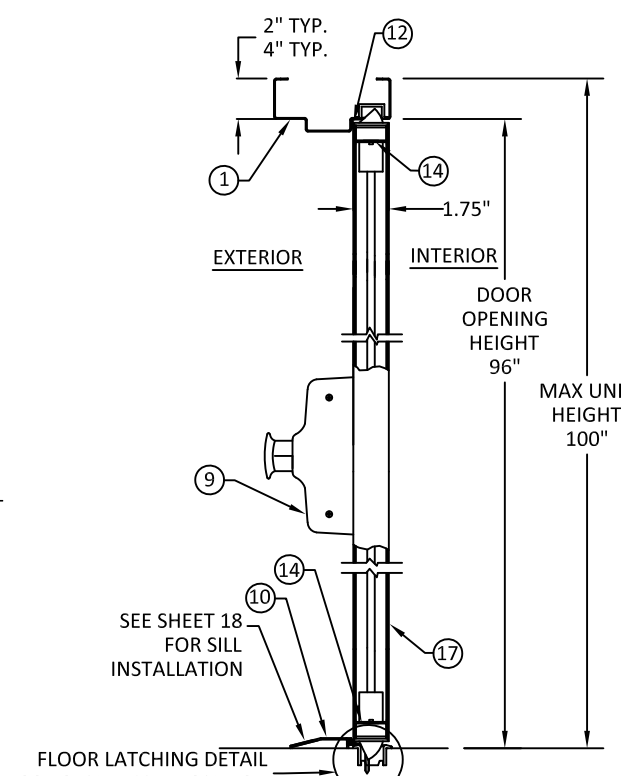
EXIT ALARM LOCK
SECTION B-16 (SEE SHT. 5)
CONFIGURATION 16



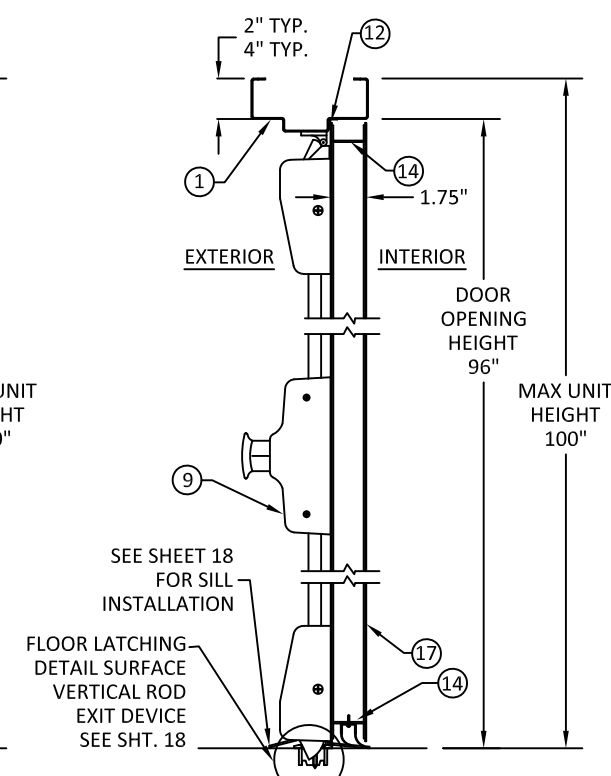
RIM EXIT DEVICE
SECTIONS B-6 (SEE SHT. 4)
CONFIGURATION 6 & 7



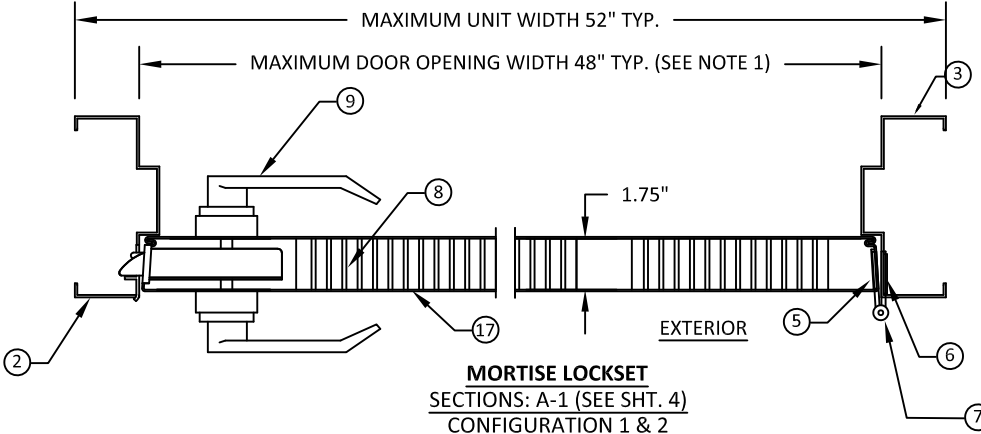
THREE-POINT LATCHING EXIT DEVICE.
SECTIONS B-13 (SEE SHT. 5)
CONFIGURATION 13



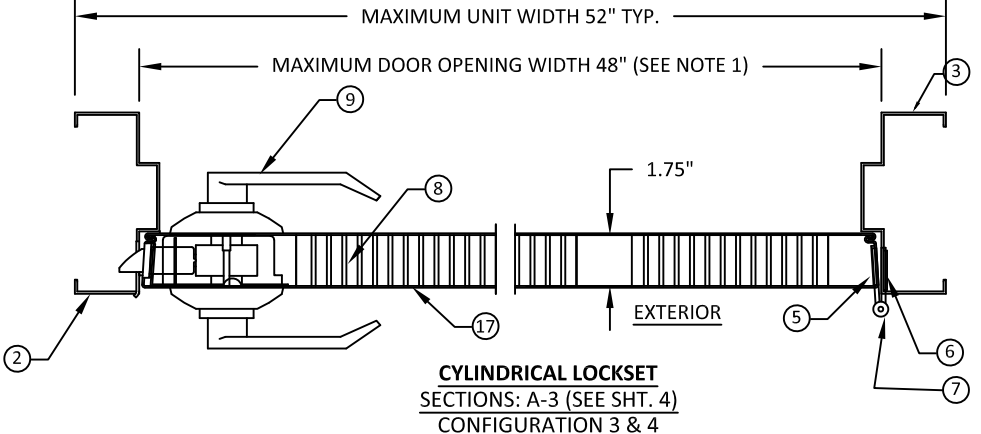
CONCEALED VERTICAL
ROD EXIT DEVICE
SECTION B-10 (SEE SHTS. 5)
CONFIGURATION 10, 11 & 12



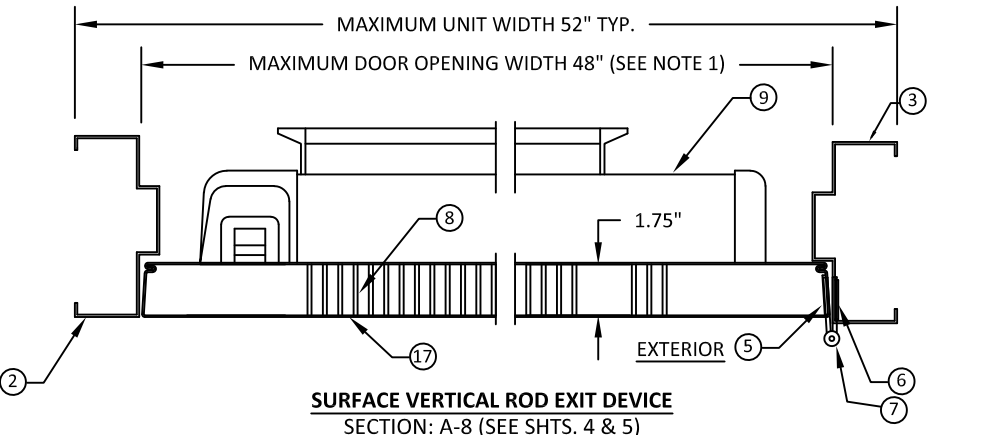
SURFACE VERTICAL ROD EXIT DEVICE
SECTION B-8 (SEE SHT. 4)
CONFIGURATION 8 & 9



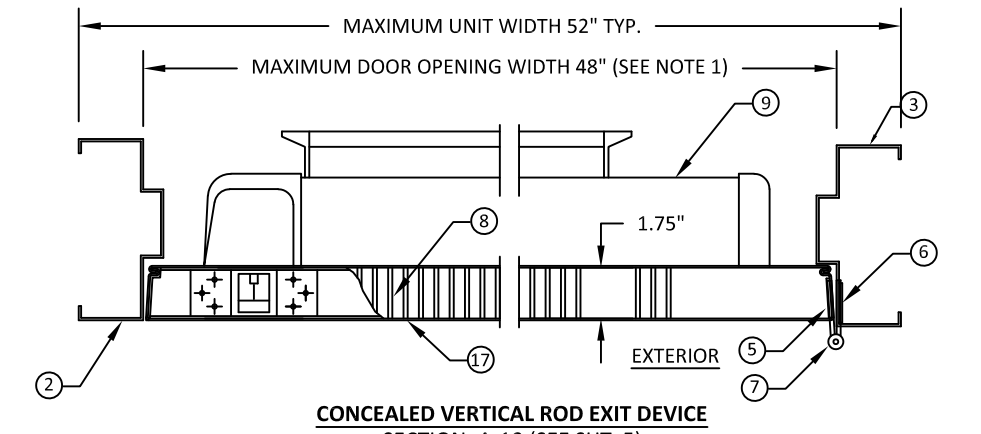
MORTISE LOCKSET
SECTIONS: A-1 (SEE SHT. 4)
CONFIGURATION 1 & 2



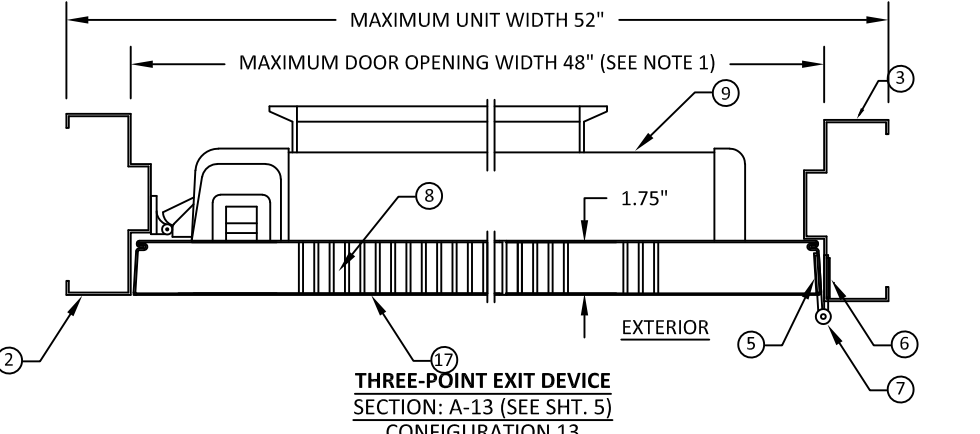
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SECTIONS: A-3 (SEE SHT. 4)
CONFIGURATION 3 & 4



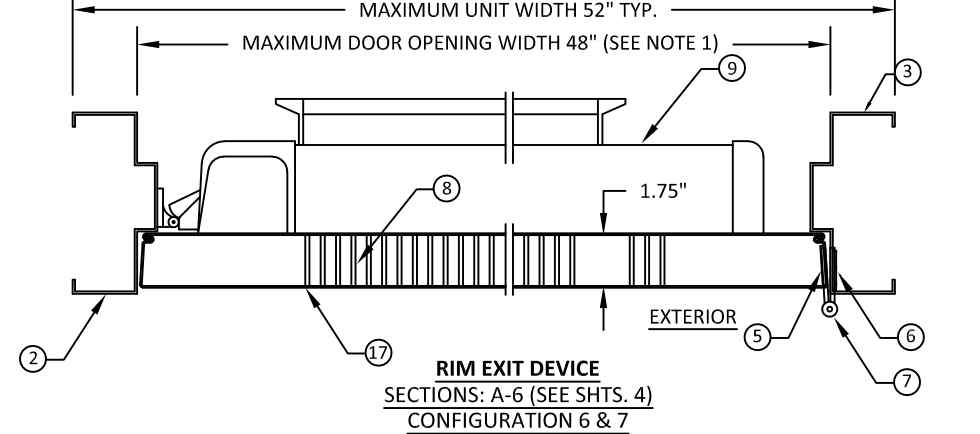
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SECTION: A-8 (SEE SHTS. 4 & 5)
CONFIGURATION 8 & 9



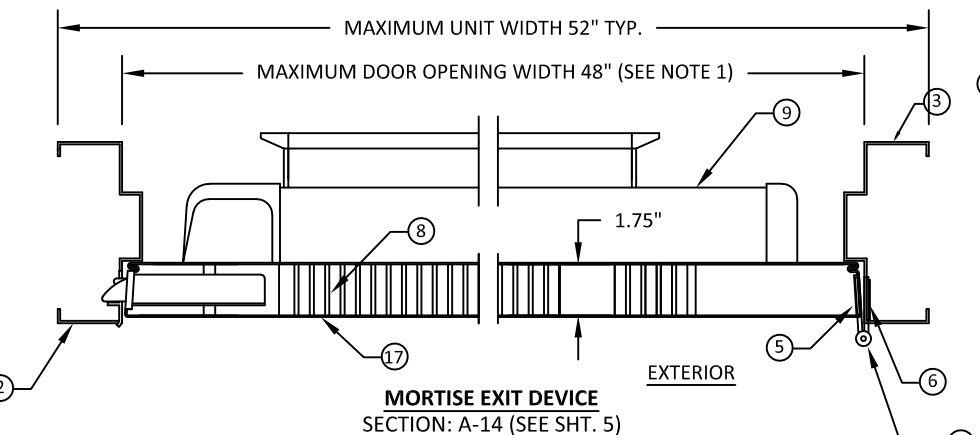
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SECTION: A-10 (SEE SHT. 5)
CONFIGURATION 10, 11 & 12



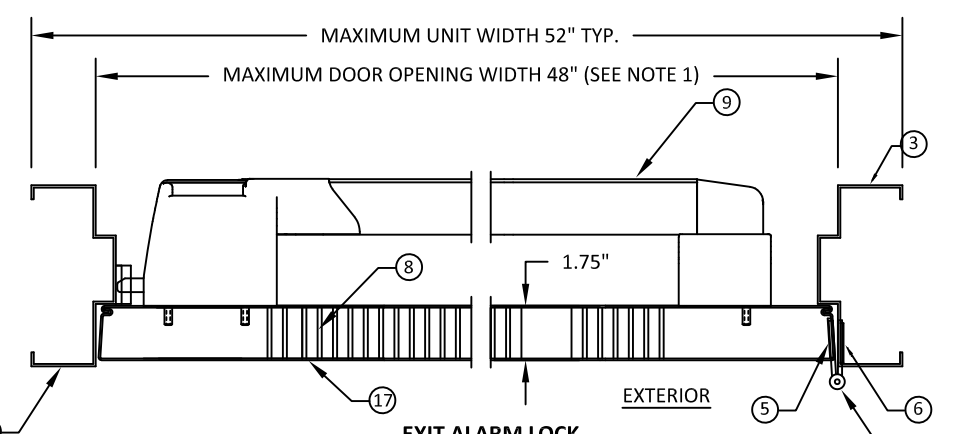
THREE-POINT EXIT DEVICE
SECTION: A-13 (SEE SHT. 5)
CONFIGURATION 13



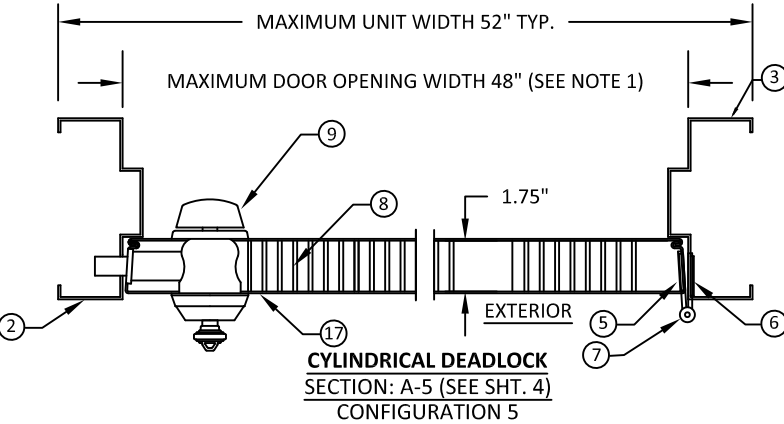
RIM EXIT DEVICE
SECTIONS: A-6 (SEE SHTS. 4)
CONFIGURATION 6 & 7



MORTISE EXIT DEVICE
SECTION: A-14 (SEE SHT. 5)
CONFIGURATION 14 & 15



EXIT ALARM LOCK
SECTION: A-16 (SEE SHT. 5)
CONFIGURATION 16



CYLINDRICAL DEADLOCK
SECTION: A-5 (SEE SHT. 4)
CONFIGURATION 5

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 SINGLE DOOR
(NON-HVHZ) (NON-IMPACT)

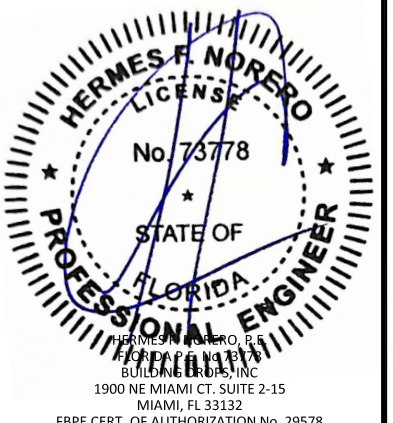
DOOR & FRAME OUTSWING
HORIZONTAL SECTION VIEWS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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REMARKS	BY	DATE
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MISC. UPDATE	DI	12.05.25

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ALLEGION - SCHLAGE LOCK COMPANY, LLC.
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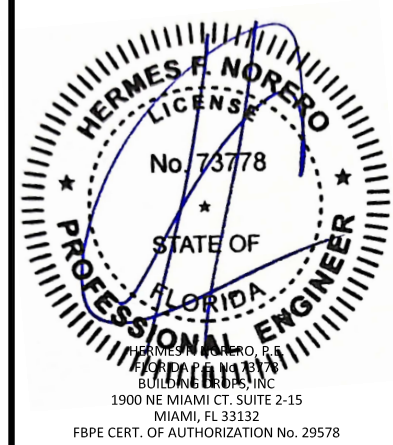
TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL SINGLE DOOR
(NON-HVHZ) (NON-IMPACT)
DOOR & FRAME INSWING
HORIZONTAL SECTION VIEWS

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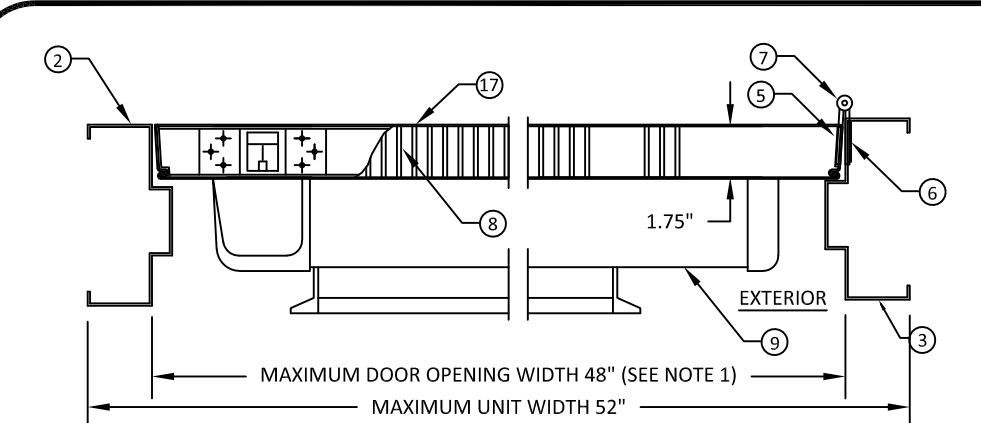


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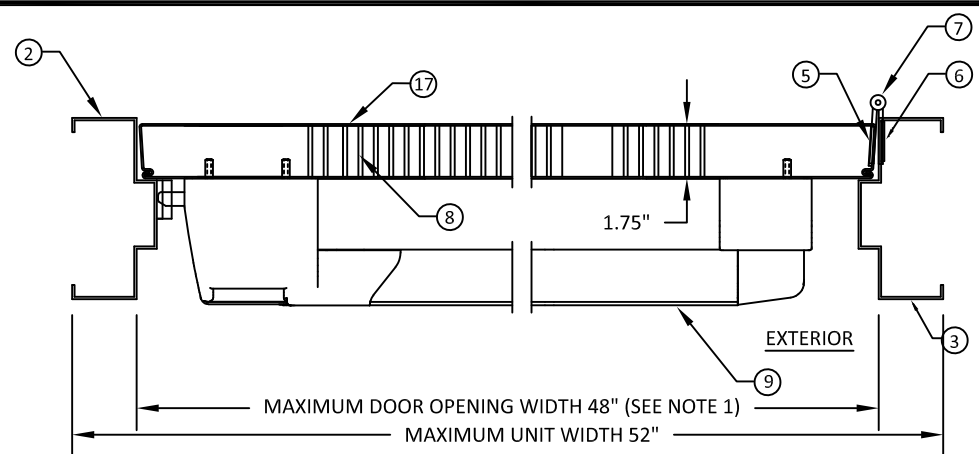
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DWG. #:	FSDA330
SHEET:	

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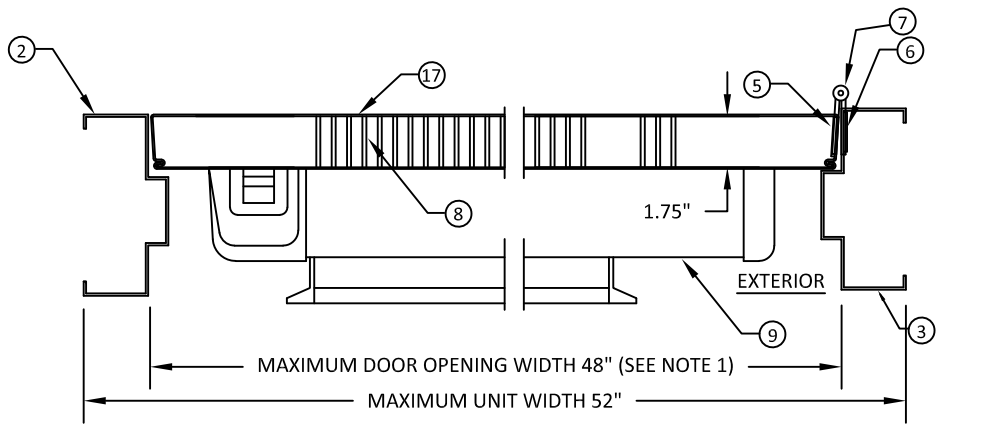
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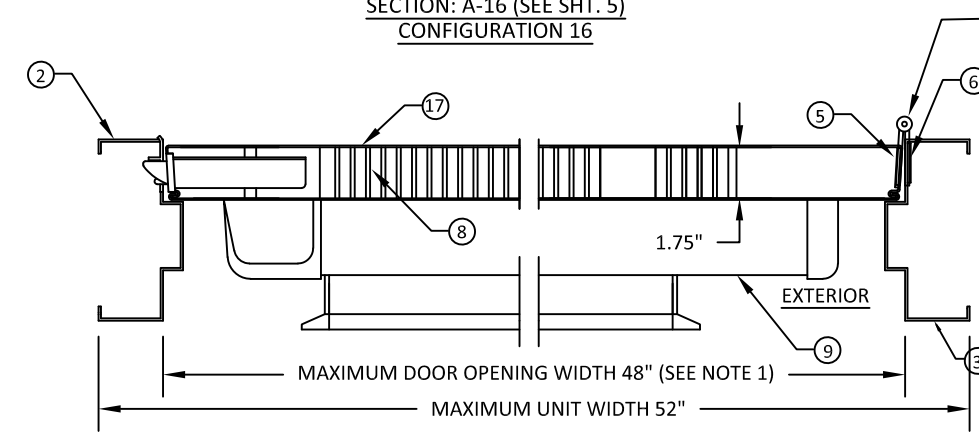
CONCEALED VERTICAL ROD EXIT DEVICE
SECTION: A-10 (SEE SHT. 5)
CONFIGURATION 10, 11 & 12



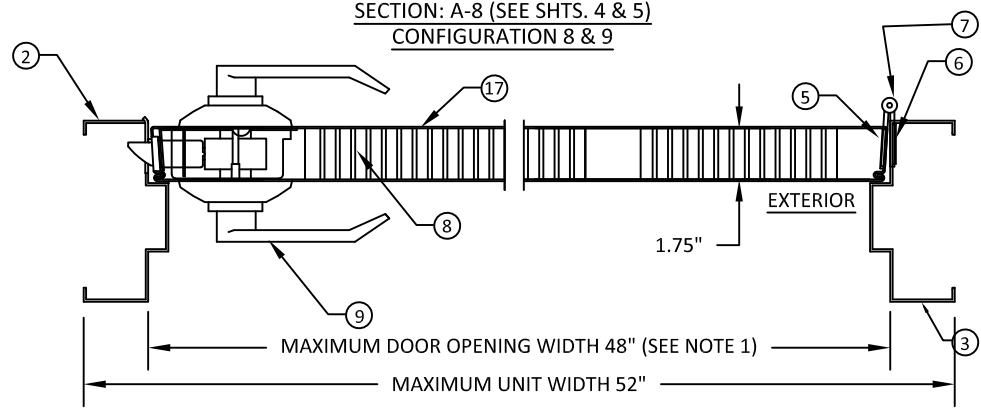
EXIT ALARM LOCK
SECTION: A-16 (SEE SHT. 5)
CONFIGURATION 16



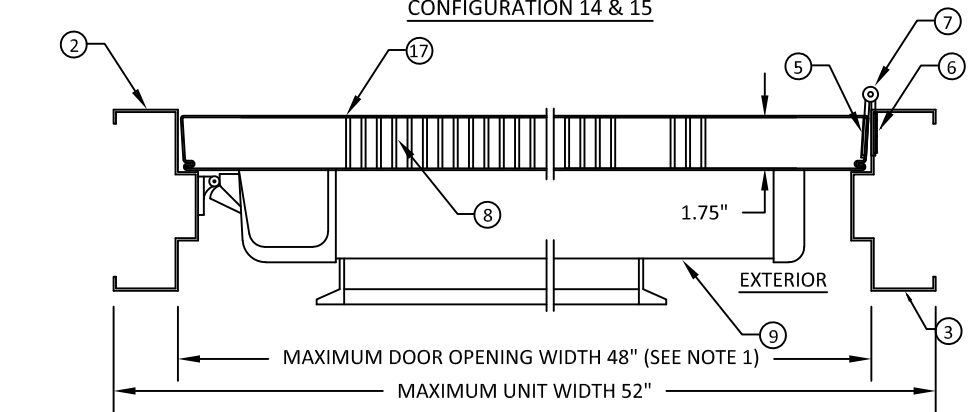
SURFACE VERTICAL ROD EXIT DEVICE
SECTION: A-8 (SEE SHTS. 4 & 5)
CONFIGURATION 8 & 9



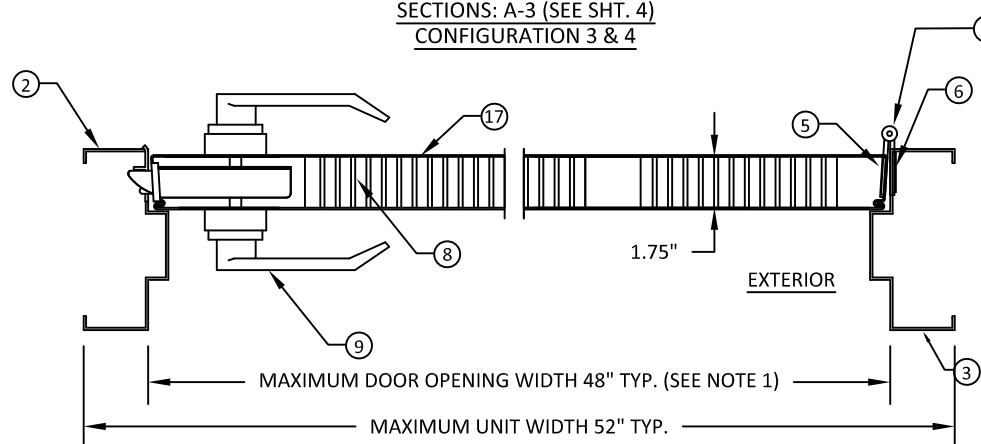
MORTISE EXIT DEVICE
SECTION: A-14 (SEE SHT. 5)
CONFIGURATION 14 & 15



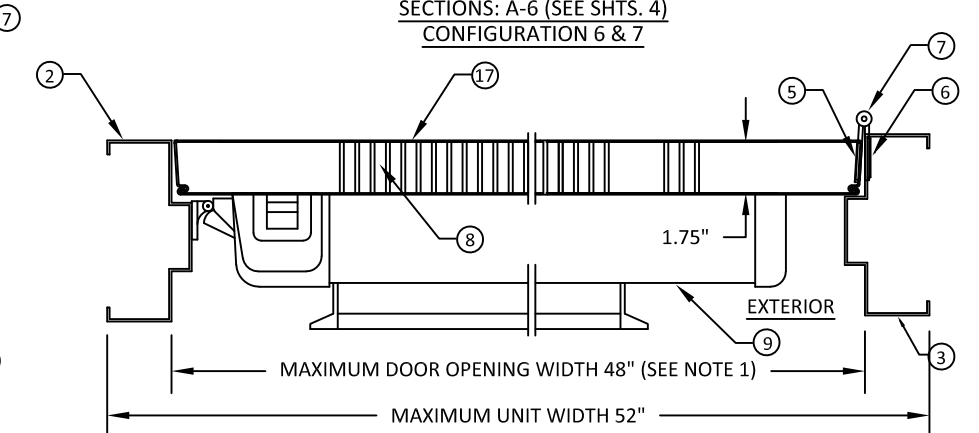
CYLINDRICAL LOCKSET
SECTIONS: A-3 (SEE SHT. 4)
CONFIGURATION 3 & 4



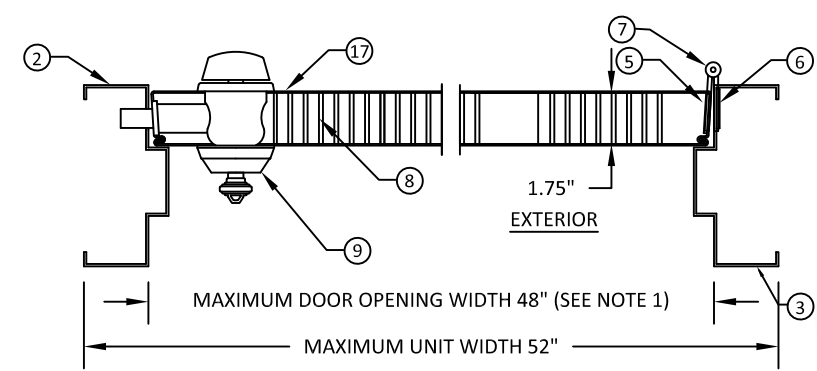
RIM EXIT DEVICE
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CONFIGURATION 6 & 7



MORTISE LOCKSET
SECTIONS: A-1 (SEE SHT. 4)
CONFIGURATION 1 & 2

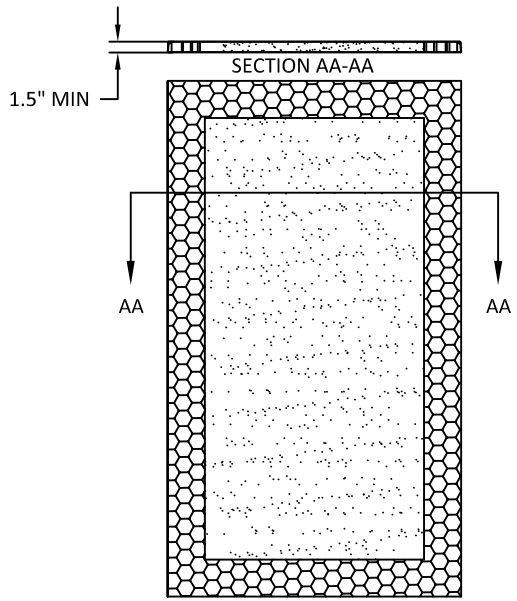


THREE-POINT EXIT DEVICE
SECTION: A-13 (SEE SHT. 5)
CONFIGURATION 13

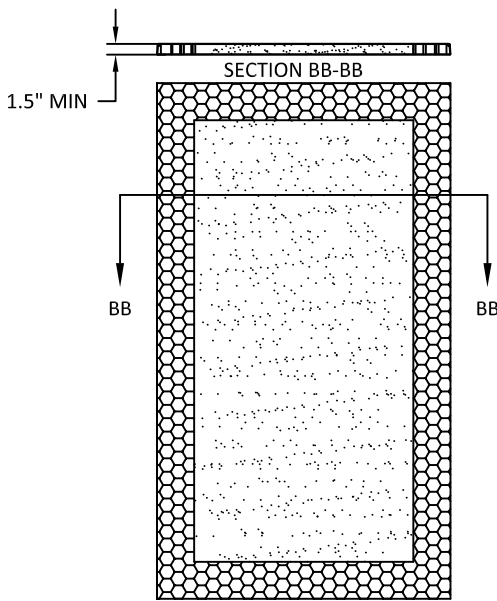


CYLINDRICAL DEADLOCK
SECTION: A-5 (SEE SHT. 4)
CONFIGURATION 5

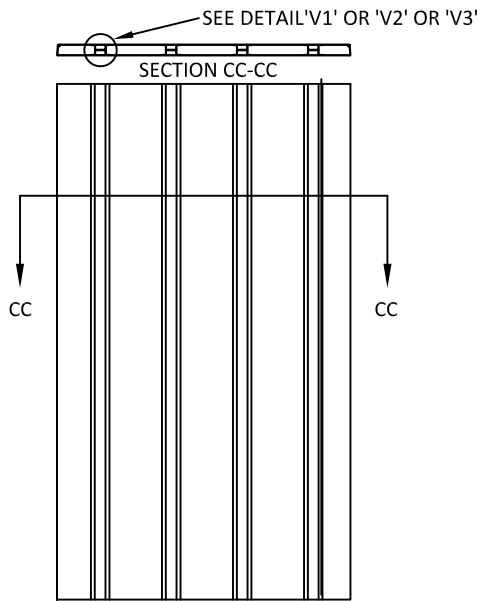
NOTE:
1. SEE TABLE 1 SHEET 2 & 3 FOR DOOR OPENING WIDTHS



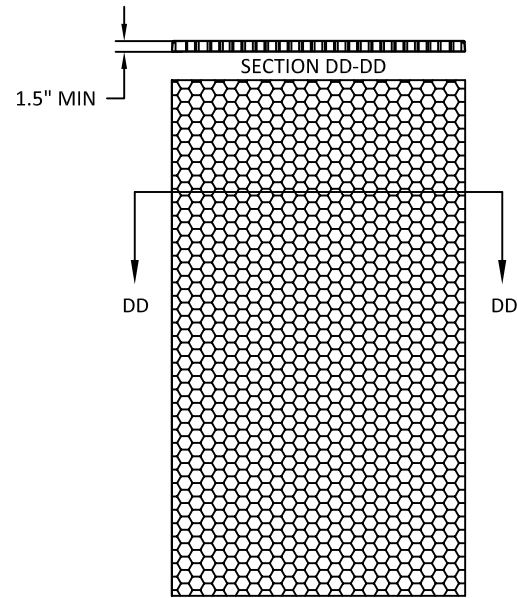
(A) EXPANDED POLYSTYRENE FOAM
DENSITY: 1.0 LBS/FT³



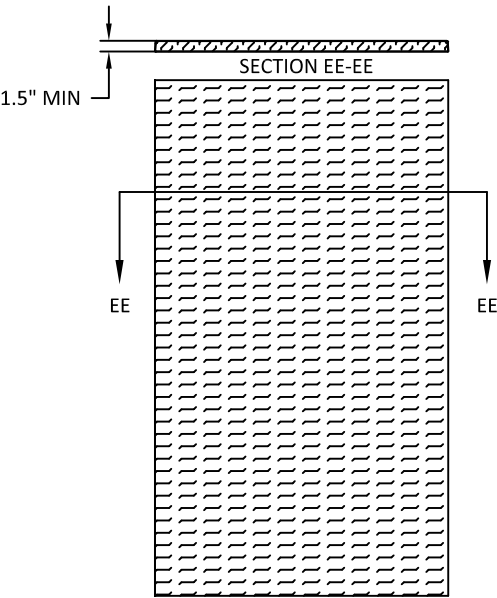
(B) POLYISOCYANURATE
(POLYURETHANE)
DENSITY: 2 LBS/FT³



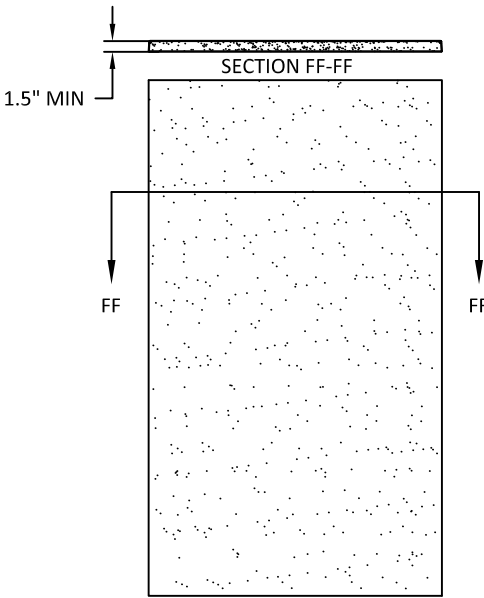
(C) STEEL STIFFENED
HAT SHAPED SECTIONS



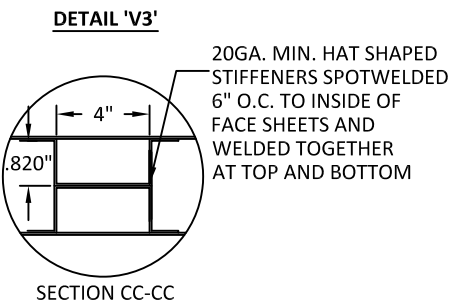
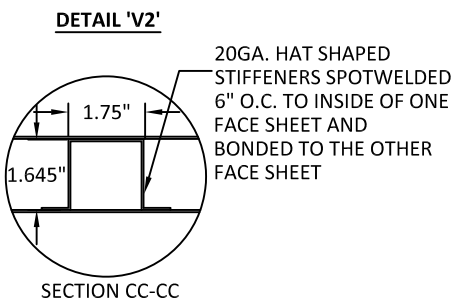
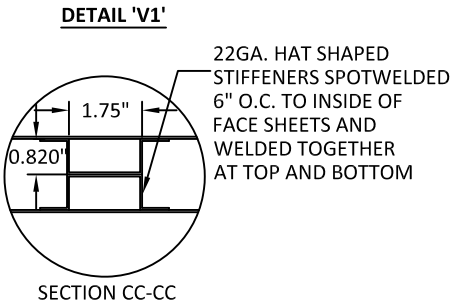
(D) HONEYCOMB
KRAFT PAPER.



(E) TEMPERATURE RISE CORE
MINERAL FIBER BOARD
DENSITY: 17±1.5 LBS/FT³
OR
PSL-P250C-60
OR
CALCIUM SILICATE MINERAL CORE



(F) EXPANDED POLYSTYRENE FOAM
DENSITY: 1.0 LB/FT³ OR
POLYISOCYANURATE (POLYURETHANE)
DENSITY: 2 LBS/FT³



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

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	4'-0"	8'-0"	CRS. GALV.	18/.044"
					16/.053"
					14/.067"
B	STEEL STIFFENED	4'-0"	8'-0"	CRS. GALV.	18/.044"
					16/.053"
					14/.067"
SL/SZ	HONEYCOMB POLYSTYRENE POLYURETHANE	4'-0"	8'-0"	CRS. GALV.	18/.044"
					16/.053"
					14/.067"
T	MINERAL FIBER	4'-0"	8'-0"	CRS. GALV.	18/.044"
					16/.053"
					14/.067"
EMBOSS	POLYSTYRENE	4'-0"	8'-0"	GALV.	18/.044"
					16/.053"
					14/.067"



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

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL SINGLE 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

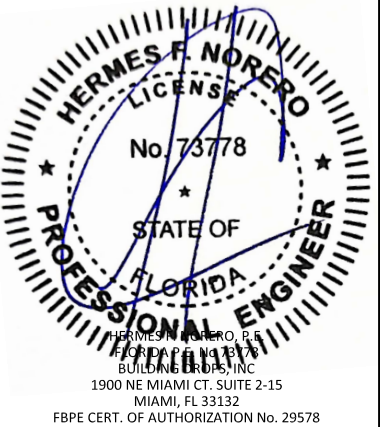
FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.12.24
LOCK UPDATE	JA	09.09.24
MISC. UPDATE	DI	12.05.25

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HFN

SCALE: NTS

DWG. #: FSDA330

SHEET:

11

OF 30

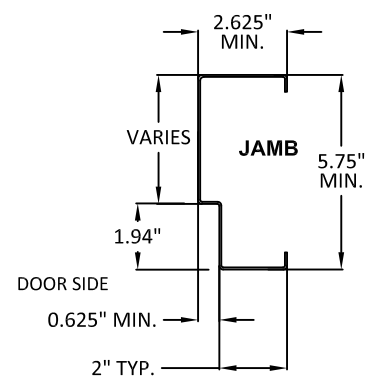
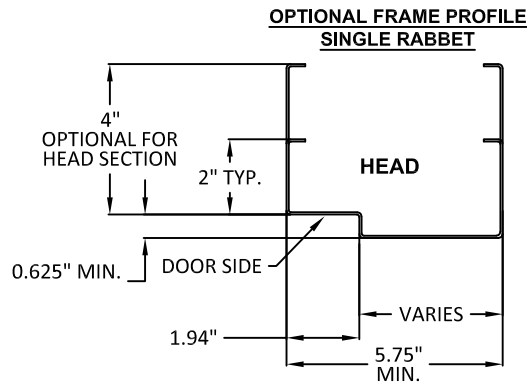
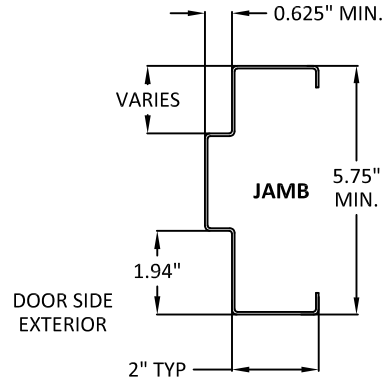
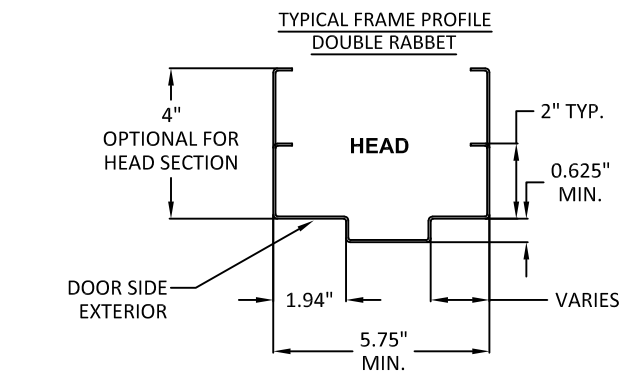
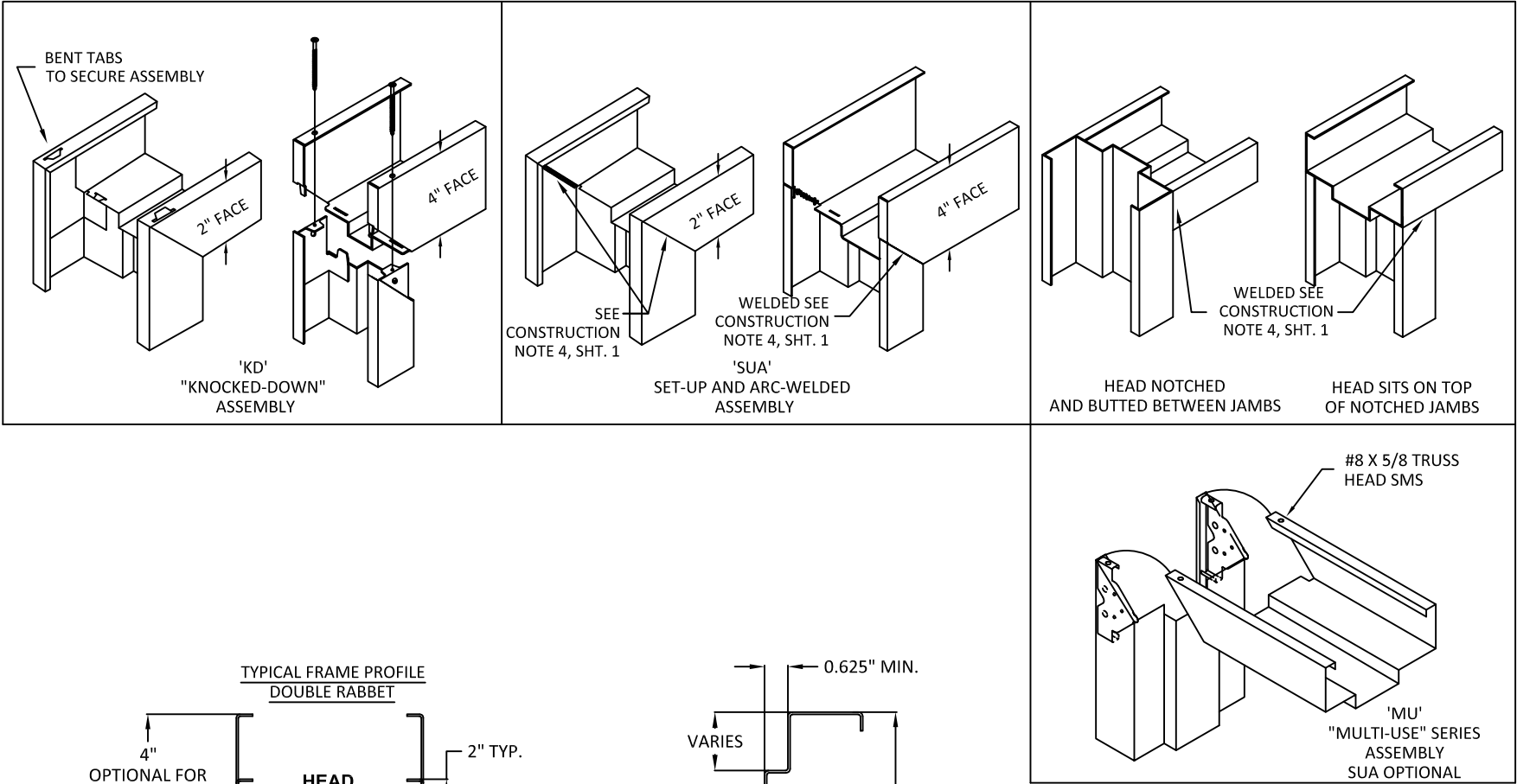


TABLE 4: AVAILABLE STEELCRAFT FRAME CONFIGURATIONS

FRAME SERIES	JAMB DEPTH	MAX. OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
F	5.75" MIN.	4'0"	8'0"	CRS/HRS GALV	16/.053" 14/.067" 12/.099"
MU	5.75" MIN.	4'0"	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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CARMEL, IN 46032
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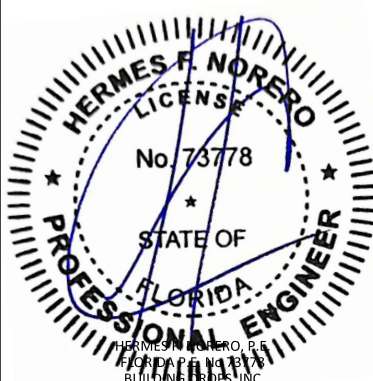
TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL SINGLE DOOR
(NON-HVHZ) (NON-IMPACT)
STEELCRAFT: FRAME DETAILS &
CORNER CONSTRUCTION

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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REMARKS	BY	DATE
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HERMES F. NORERO, P.E.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL10356

DATE: 05.10.23

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SCALE: NTS

DWG. #: FSDA330

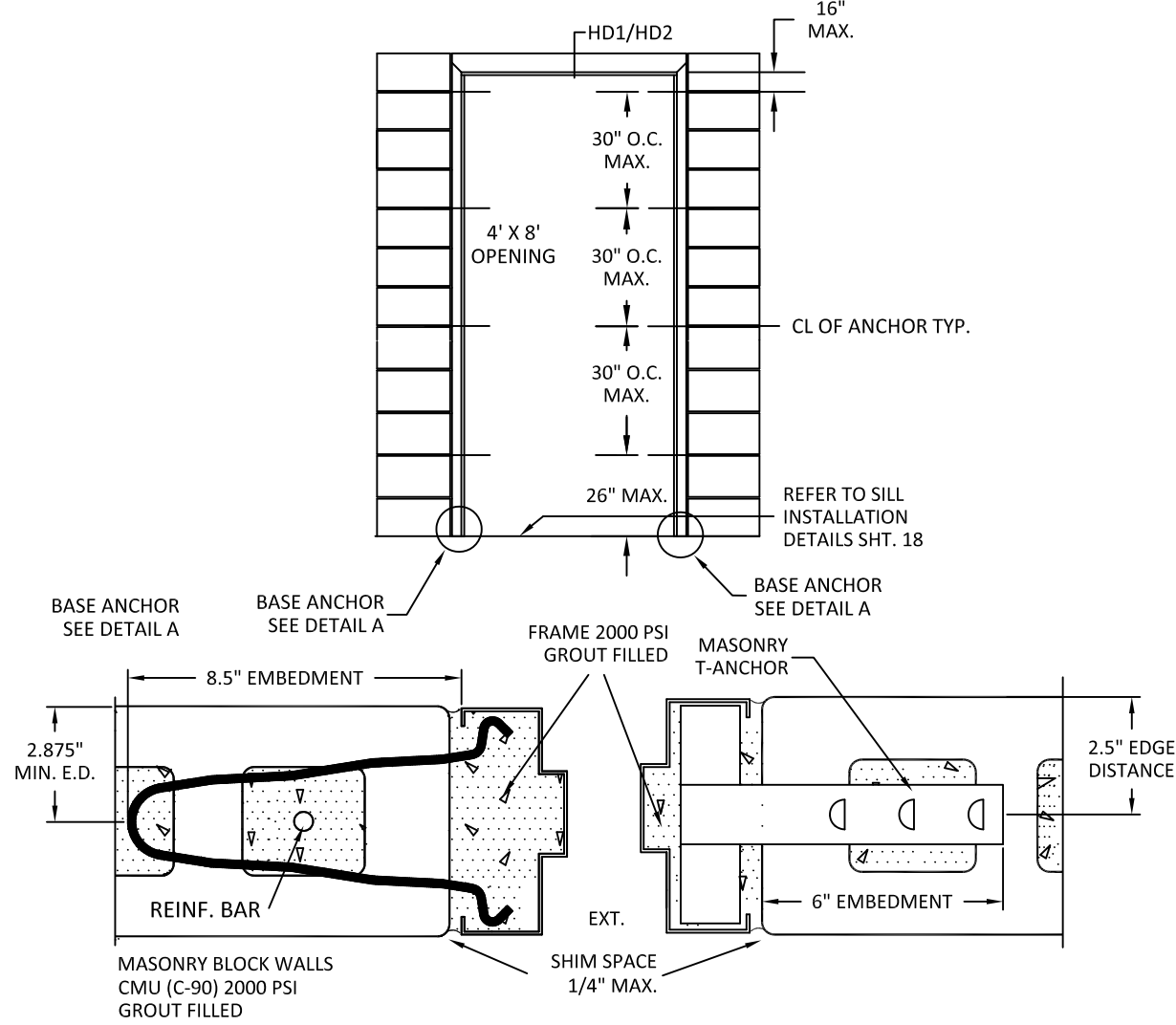
SHEET:

12

OF 30

A

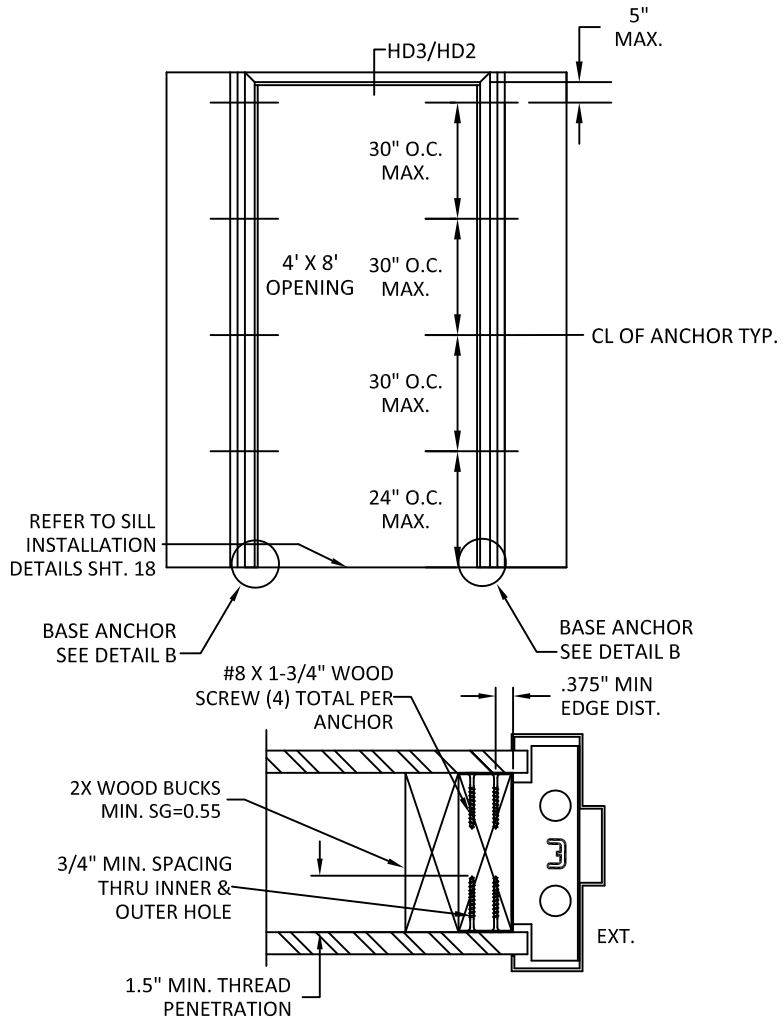
WIRE OR T MASONRY ANCHOR
INTO GROUT FILLED FRAME
AND BLOCK WALL



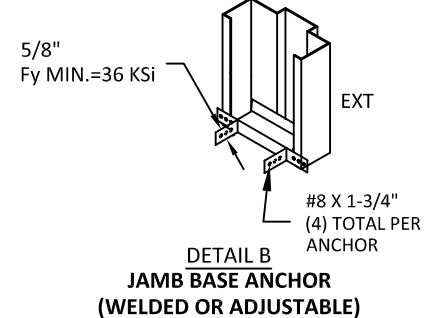
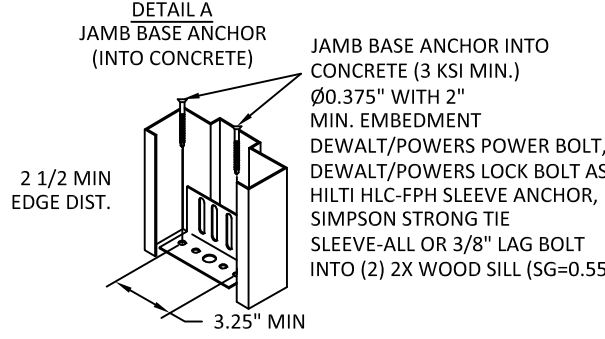
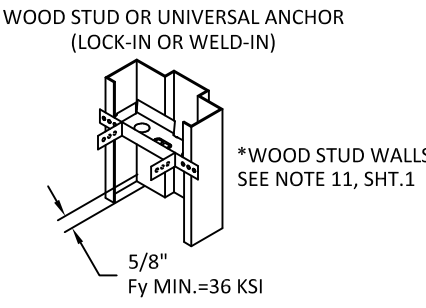
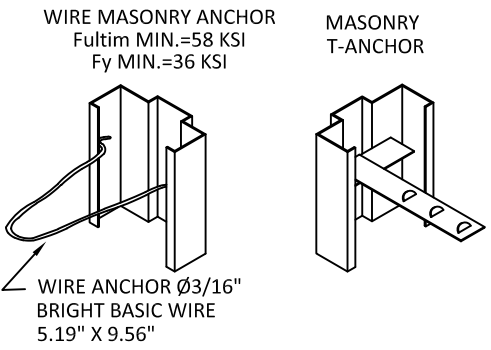
B

WOOD STUD ANCHOR

SEE PAGE 25 FOR
OPTION 2 ANCHOR DETAILS



NOTES:
1. (*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 130 #/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.



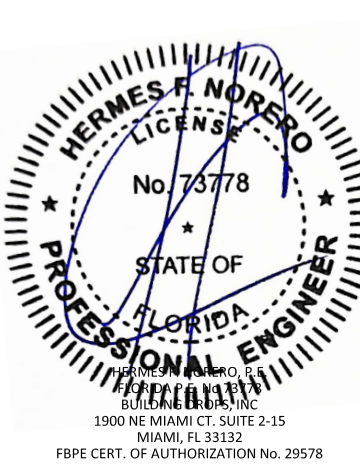
ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

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

PREPARED BY:
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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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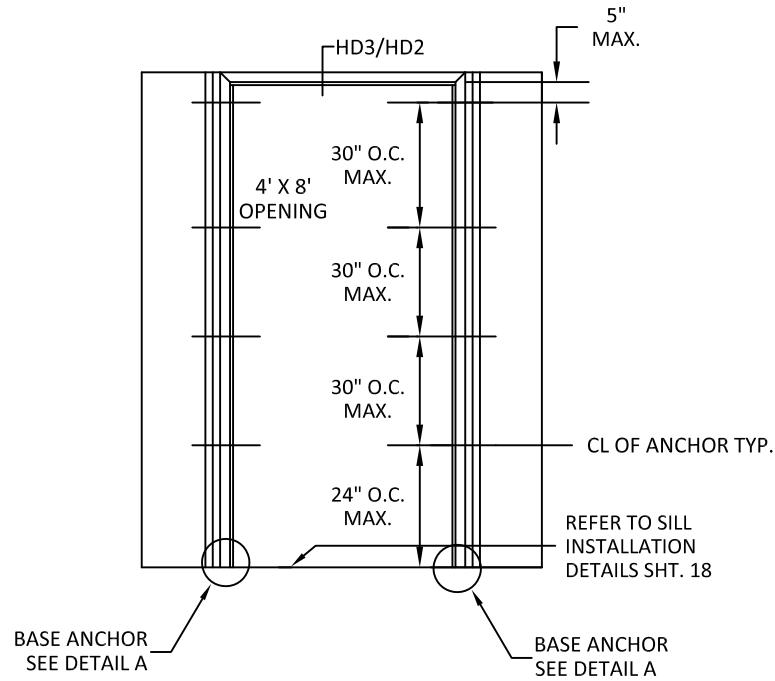
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SCALE: NTS

DWG. #: FSDA330

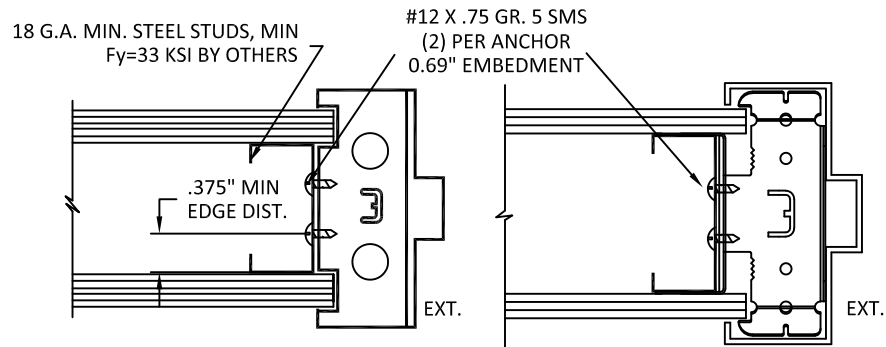
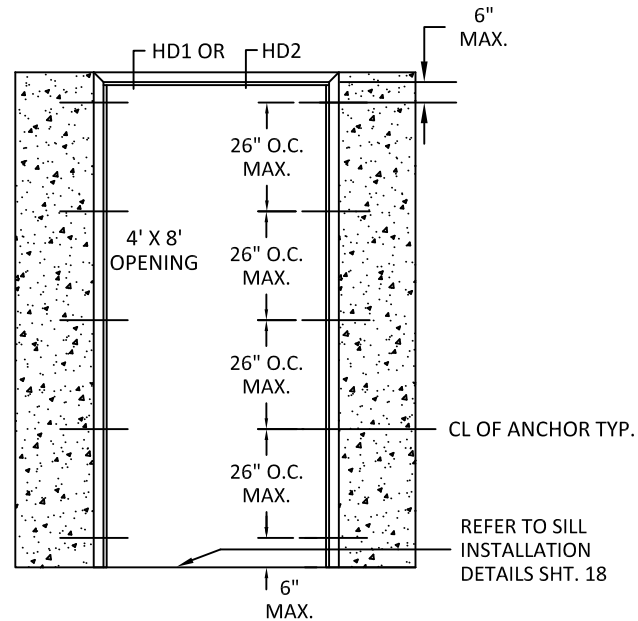
SHEET: 13 OF 30

C STEEL STUD ANCHOR



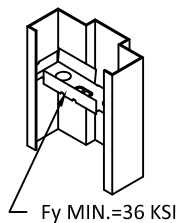
D EXISTING MASONRY ANCHOR (EMA) INTO CONCRETE WALL OR CMU

SEE PAGE 26 FOR
OPTION 2 ANCHOR DETAILS

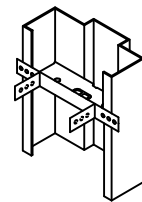


STEEL STUD ANCHOR
WELD-IN OR LOCK-IN

UNIVERSAL ANCHOR
WELD-IN OR LOCK-IN

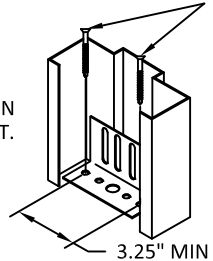


*STEEL STUD WALLS
SEE NOTE 11, SHT. 1

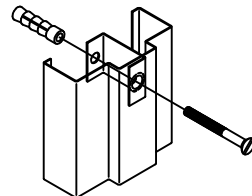
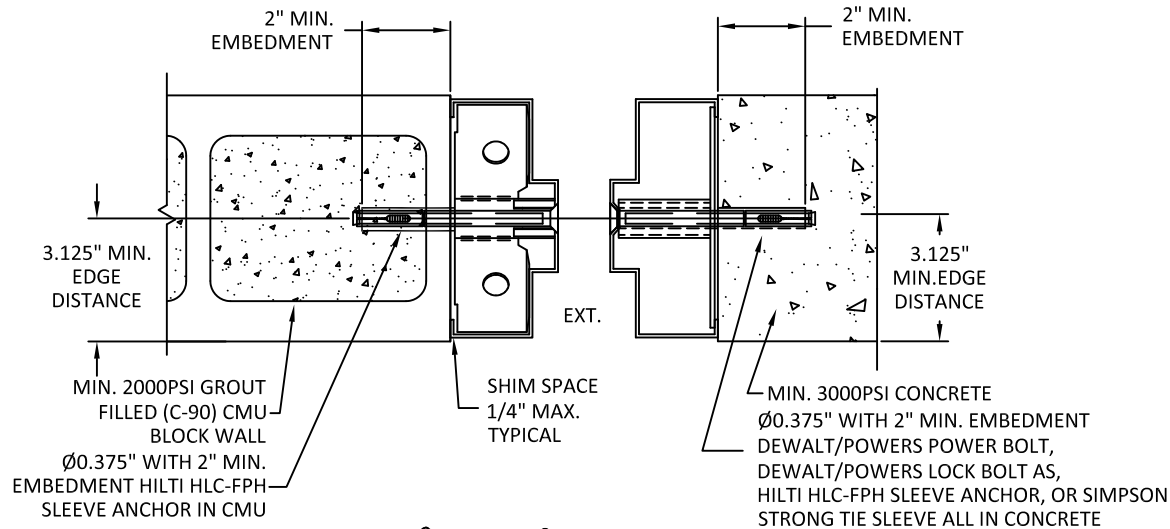


DETAIL A
JAMB BASE ANCHOR
(INTO CONCRETE)

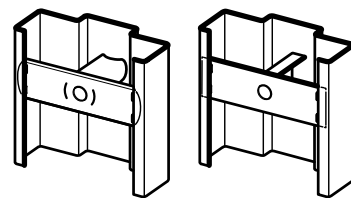
2 1/2 MIN
EDGE DIST.



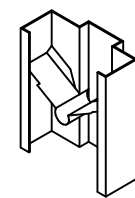
JAMB BASE ANCHOR INTO
CONCRETE (3 KSI MIN.)
Ø0.375" WITH 2"
MIN. EMBEDMENT
DEWALT/POWERS POWER BOLT,
DEWALT/POWERS LOCK BOLT AS,
HILTI HLC-FPH SLEEVE ANCHOR,
SIMPSON STRONG TIE
SLEEVE-ALL OR 3/8" LAG BOLT
INTO (2) 2X WOOD SILL (SG=0.55)



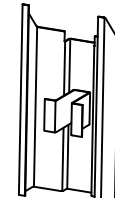
EMA-U ANCHOR



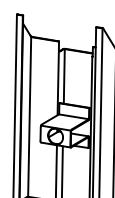
TUBE/CHANNEL &
PLATE BOLT-IN



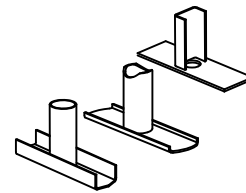
LOCK-IN



EMA 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 130 #/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.SEALED 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.
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PH: (317) 715-4073

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

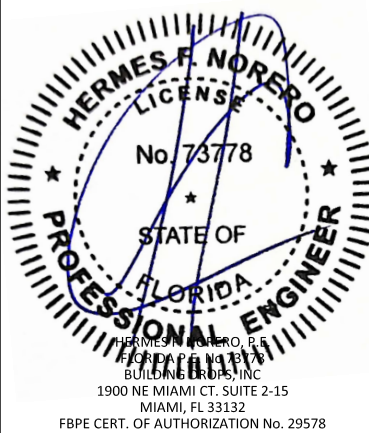
STEELCRAFT: ANCHORS - STEEL STUD &
EMA INTO CONCRETE WALL OR CMU

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



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DATE: 05.10.23

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CHK. BY:
HFN

SCALE: NTS

DWG. #: FSDA330

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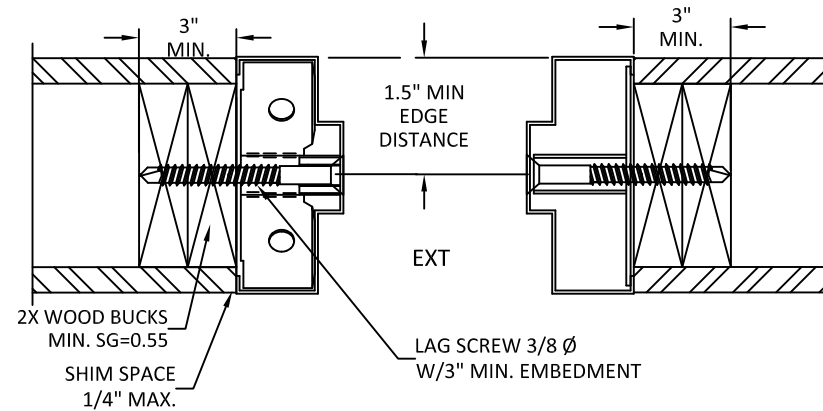
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OF 30

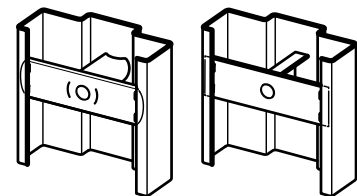
Diagram illustrating the vertical dimensions and structural details of a window opening. The opening is labeled "4' X 8' OPENING". The vertical dimensions are specified as "26\" O.C. MAX." (On Center Maximum) for the spacing between horizontal members. The top and bottom structural details are labeled "HD3/HD2" and "6\" MAX." (Maximum). The center line of the anchor is labeled "CL OF ANCHOR TYP." (Typical). A note at the bottom right states "REFER TO SILL INSTALLATION DETAILS SHT. 18".

Diagram illustrating the reinforcement details for a door opening in a concrete wall. The diagram shows a cross-section of the wall with a door opening. The reinforcement includes:

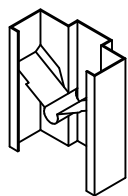
- HD2** (Heavy Duty 2) reinforcement bars.
- 30" O.C. MAX.** (On Center Maximum) spacing for vertical reinforcement bars.
- 4' X 8' MAXIMUM DOOR OPENING** dimensions.
- 26" MAX.** (Maximum) spacing for horizontal reinforcement bars.
- 16" MAX.** (Maximum) spacing for horizontal reinforcement bars near the top.
- REFER TO SILL INSTALLATION DETAILS SHT. 18** for further information.



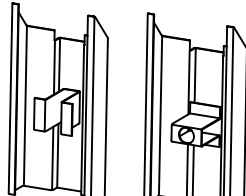
*WOOD STUD WALLS
SEE NOTE 11, SHT.1



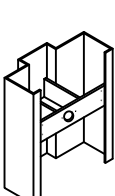
TUBE/CHANNEL &
PLATE BOLT-IN



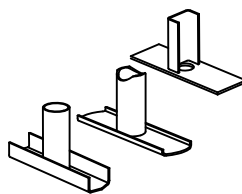
LOCK-IN



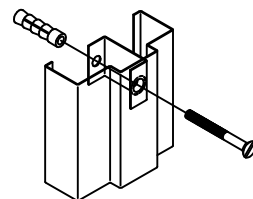
EMA ANCHOR



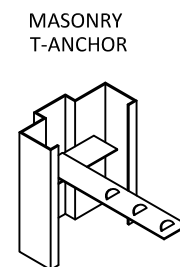
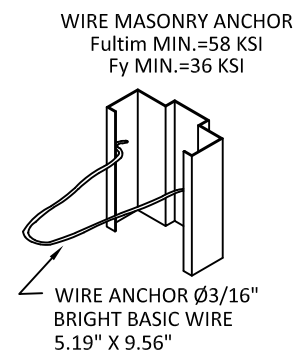
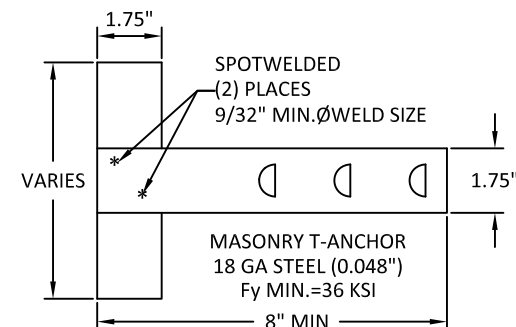
WELD-IN



TUBE & PLATE
WELD-IN EMA
ANCHOR



EMA-U ANCHOR



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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.



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

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

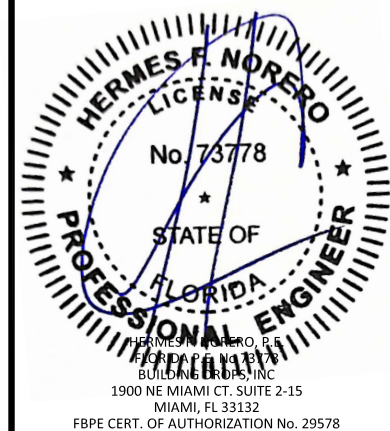
BUILDING DROPS

PREPARED BY:

BUILDING DROPS, INC.
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MIAMI, FL 33132
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DI

CHK. BY:
HFN

SCALE: NTS

DWG. #: FSDA330

SHEET:

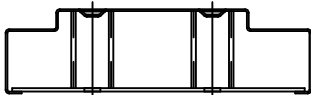
15

OF 30

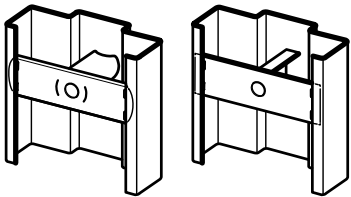
SEE PAGE 28 FOR
OPTION 2 ANCHOR DETAILS

G

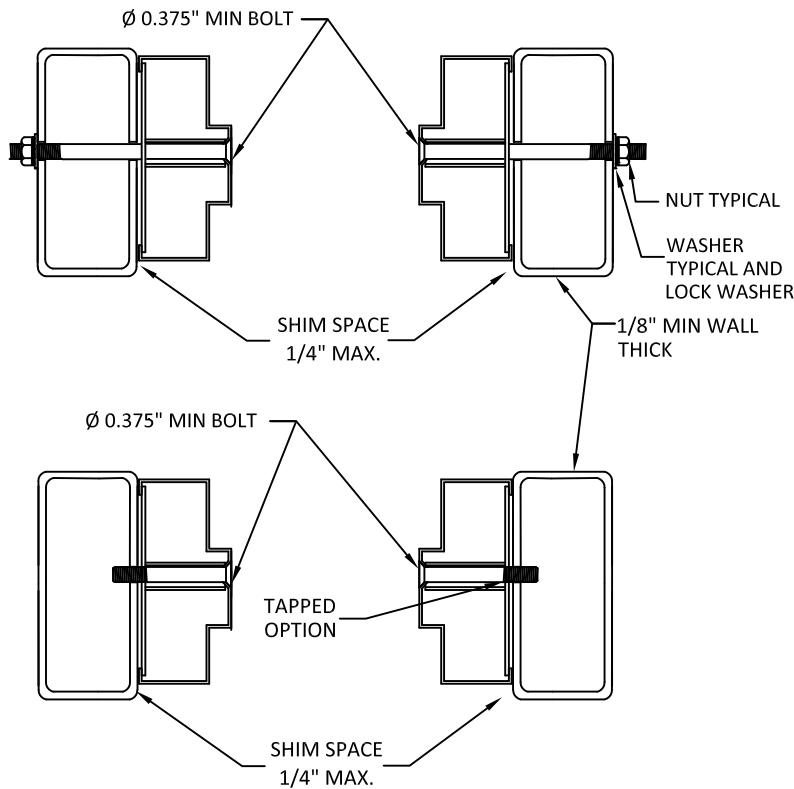
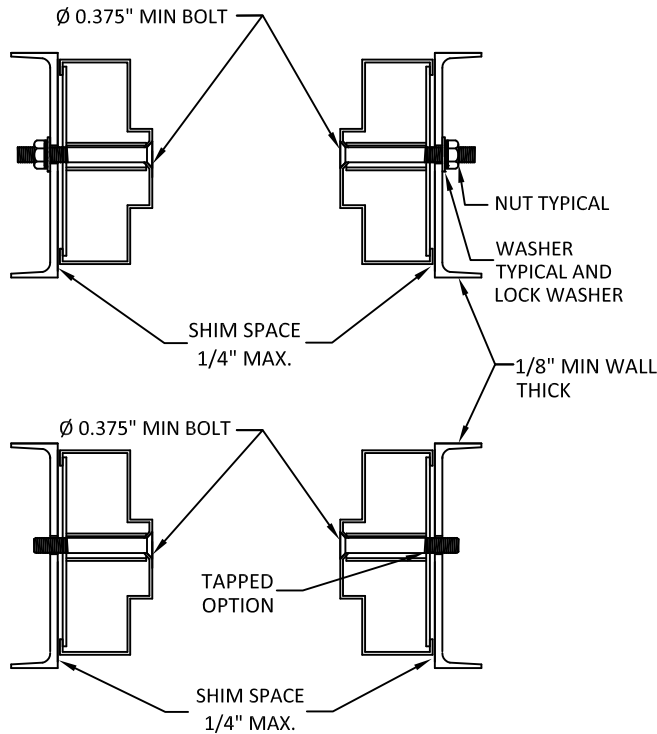
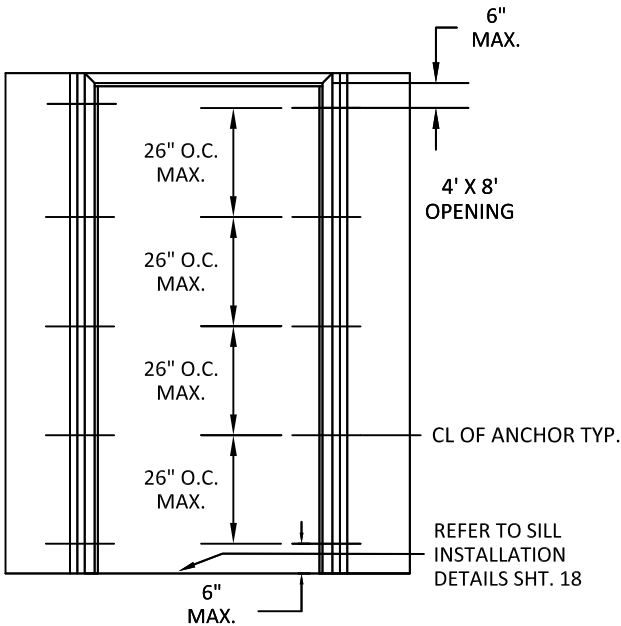
BOLTED TO BUILDING STRUCTURE



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 130 #/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 SINGLE 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
WEB: www.buildingdrops.com



REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.12.24
LOCK UPDATE	JA	09.09.24
MISC. UPDATE	DI	12.05.25

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: 05.10.23

DWG. BY:
DI

CHK. BY:
HFN

SCALE: NTS

DWG. #: FSDA330

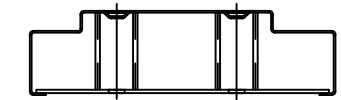
SHEET:

16

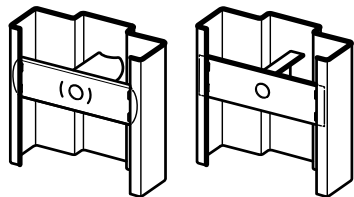
OF 30



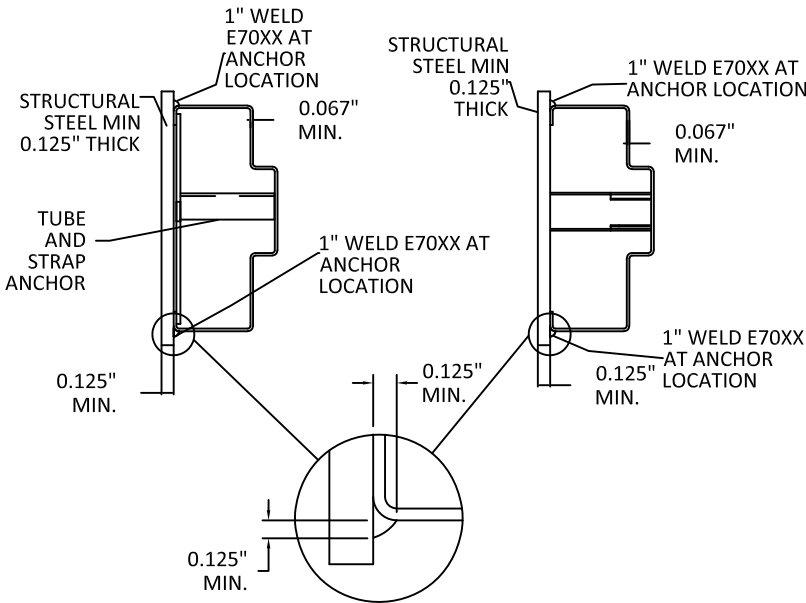
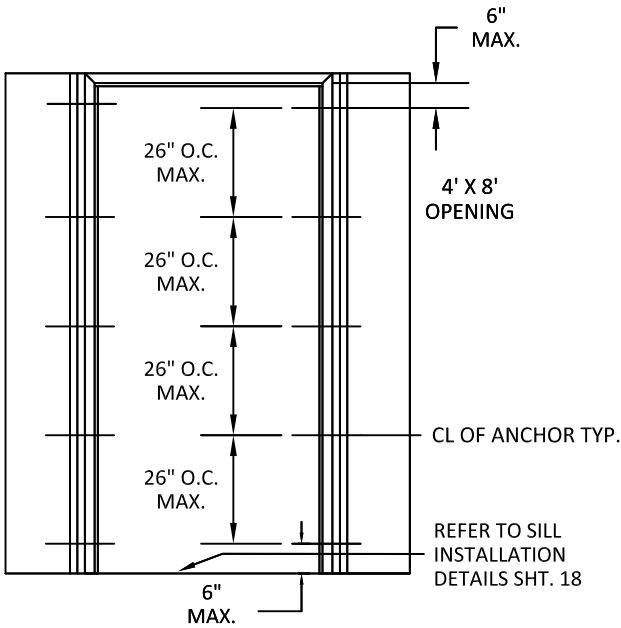
WELDED ANCHOR
SHIM OR STEEL BUILDING
STRUCTURE



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 130 #/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 SINGLE 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
MPP/ANCHOR UPDATE	SH	06.12.24
LOCK UPDATE	JA	09.09.24
MISC. UPDATE	DI	12.05.25

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FL10356

DATE: 05.10.23

DWG. BY:
DI

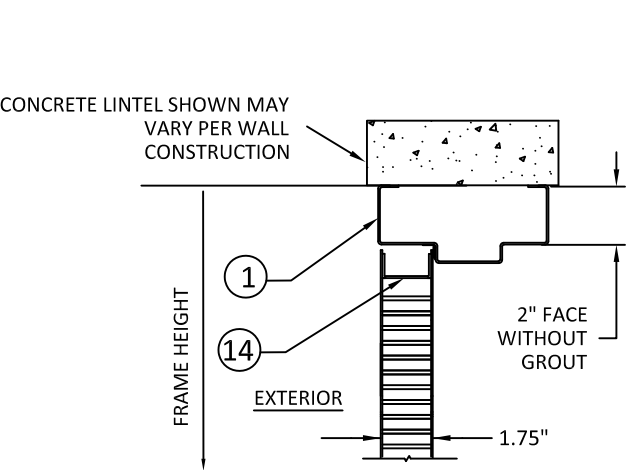
CHK. BY:
HFN

SCALE: NTS

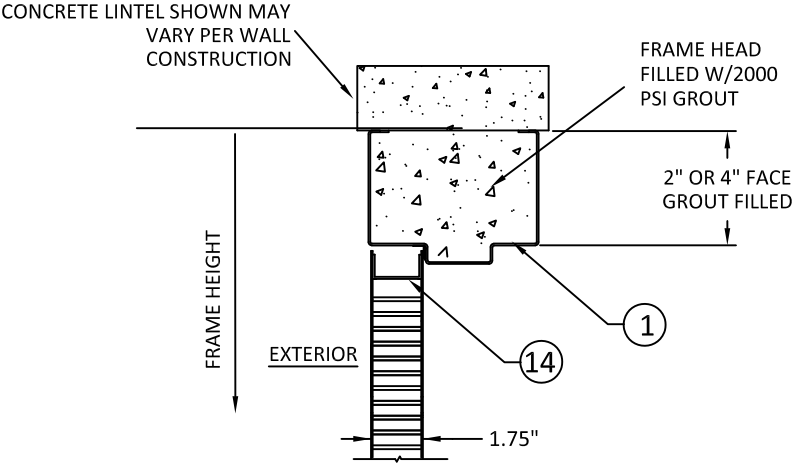
DWG. #: FSDA330

SHEET:

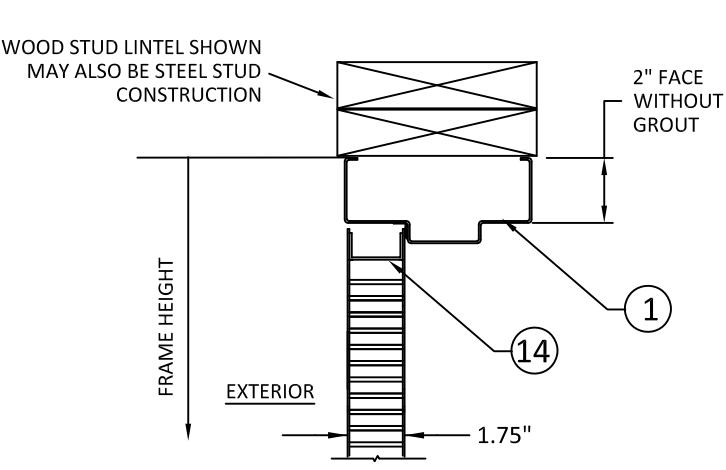
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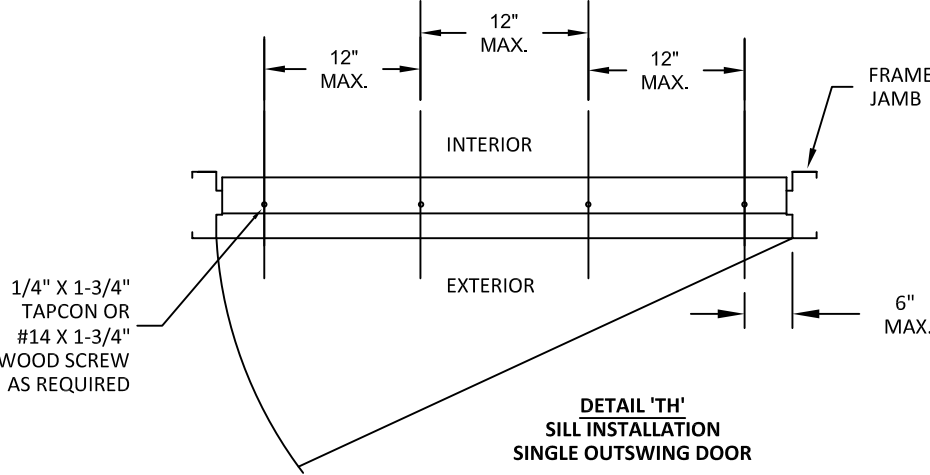
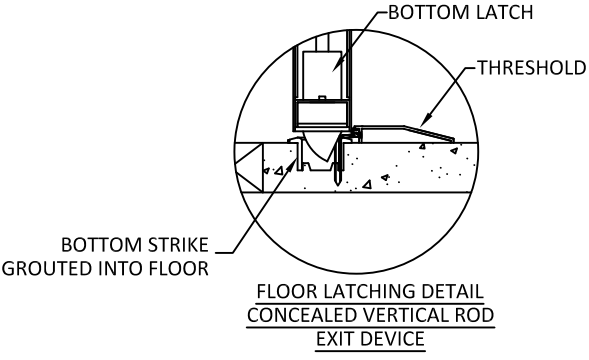
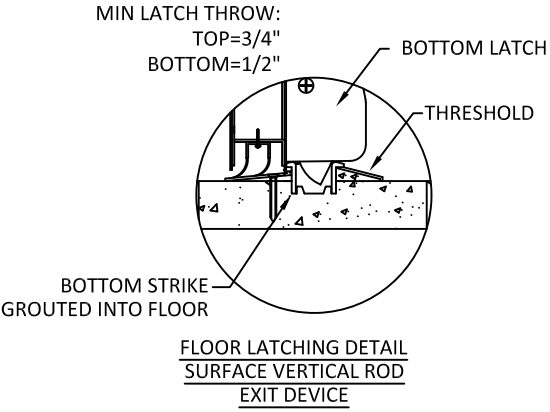
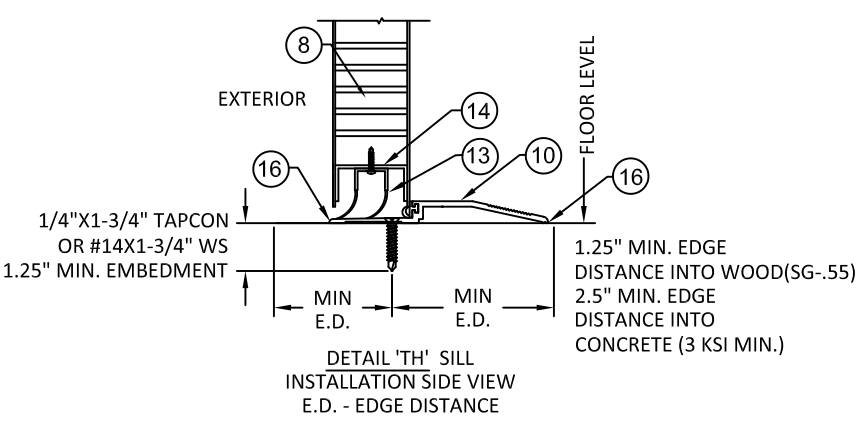
HD1 - FRAME HEAD SECTION



HD2 - FRAME HEAD SECTION



HD3 - FRAME HEAD SECTION



NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 130 #/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

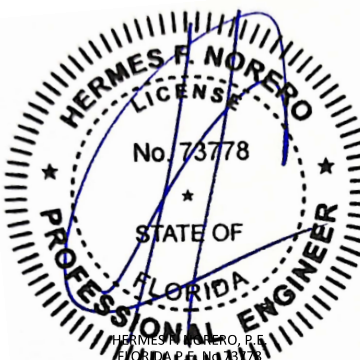
TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL SINGLE DOOR
(NON-HVHZ) (NON-IMPACT)
STEELCRAFT: FRAME HEAD &
SILL ANCHOR DETAILS

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



REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.12.24
LOCK UPDATE	JA	09.09.24
MISC. UPDATE	DI	12.05.25

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HERMES F. NORERO, P.E.
FLORIDA PROFESSIONAL ENGINEER
No. 73778
STATE OF FLORIDA
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL10356

DATE: 05.10.23

DWG. BY: DI	CHK. BY: HFN
-------------	--------------

SCALE: NTS

DWG. #: FSDA330

SHEET: 18 OF 30

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
	10E 803V THRESHOLD	NGP
	10F 560 THRESHOLD	ZERO INT'L
	10G 565 THRESHOLD	ZERO INT'L
	10I 560 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

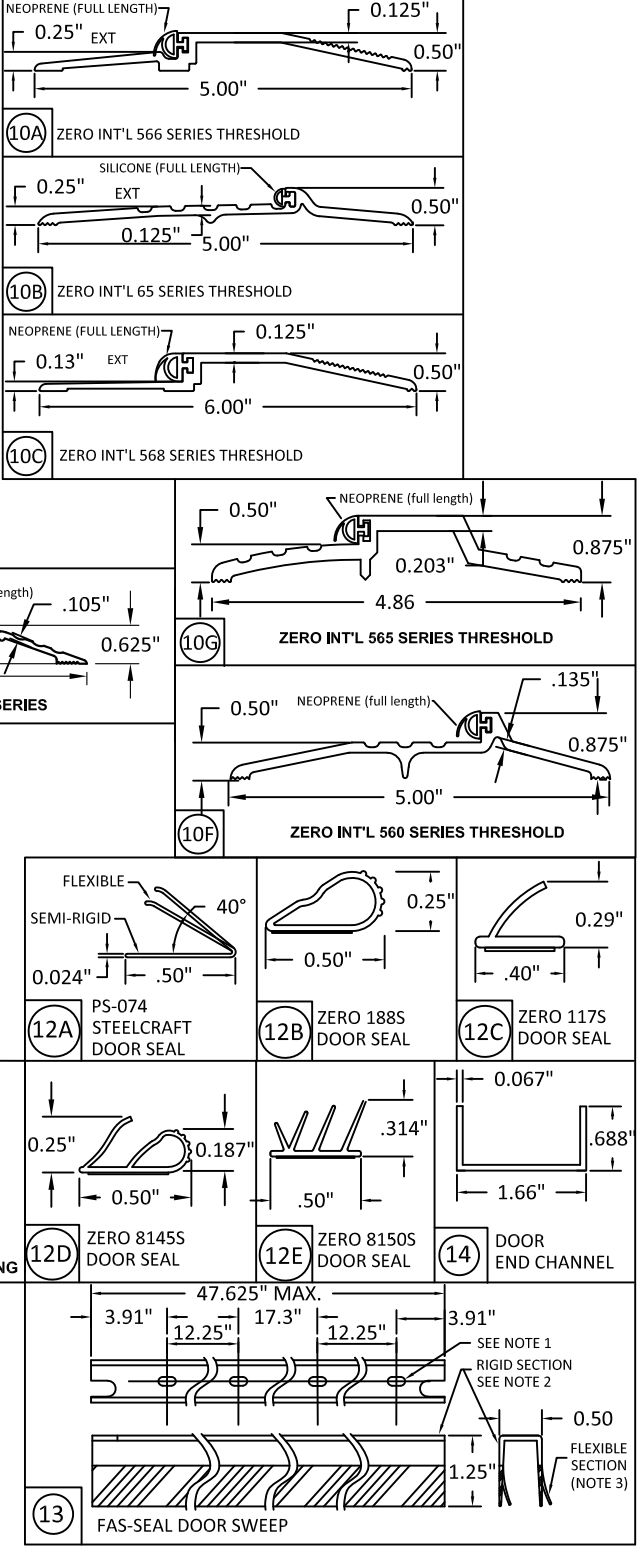
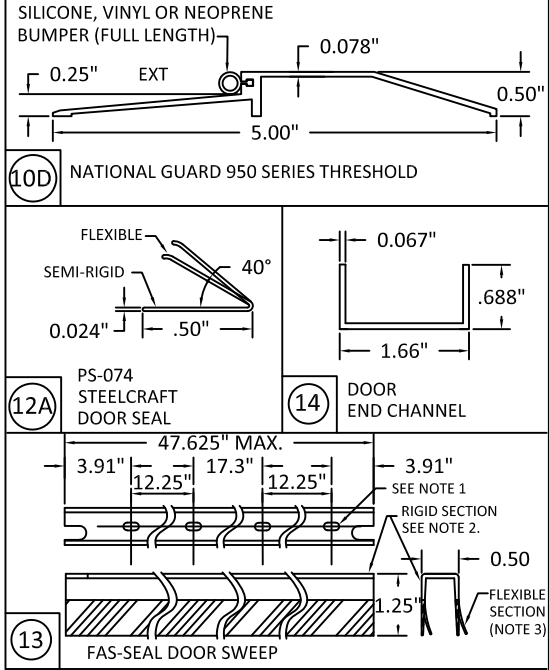
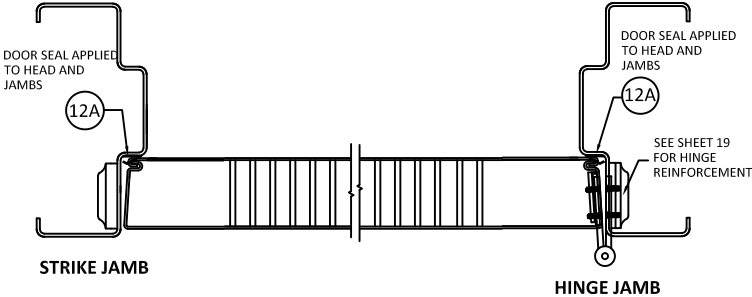
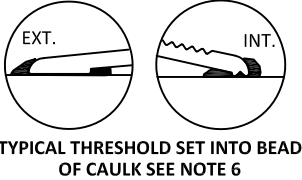
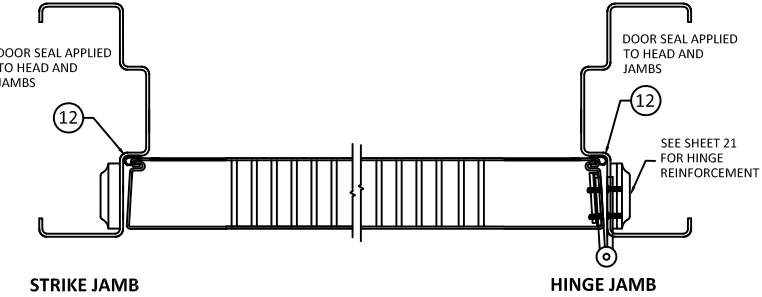
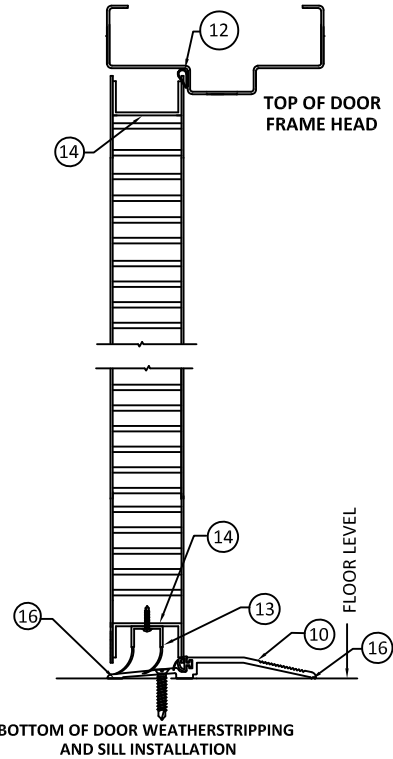
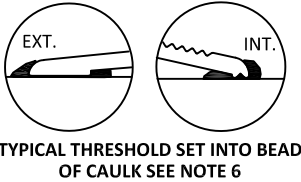
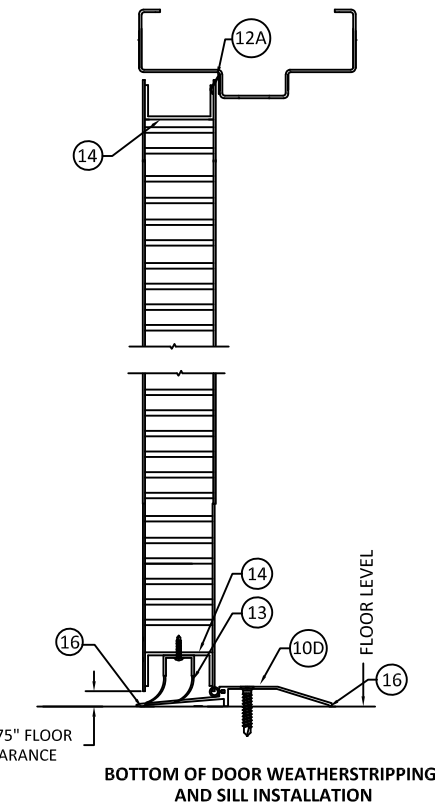


TABLE 6.2 NON WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

ITEM NUMBER	MODEL NO./ DESCRIPTION	MFG.
10D	950 THRESHOLD	NGP
12A	PS074 DOOR SEAL	STEELCRAFT
13	FAS-SEAL SWEEP	STEELCRAFT
14	END CHANNEL	STEELCRAFT



- 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 ASSEMBLIES REQUIRE FAS-SEAL DOOR SWEEP (13) AND THRESHOLD (10) 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 ASSEMBLIES REQUIRE DOOR SEAL (12) AND THRESHOLD (10) AS APPLICABLE
 8. REPUBLIC DOORS HAVE FLUSH TOP DOOR CHANNEL - TOP CAP NOT APPLICABLE.
 9. CONFIGURATION SHOWN APPLY TO BOTH INSWING AND OUTSWING.



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

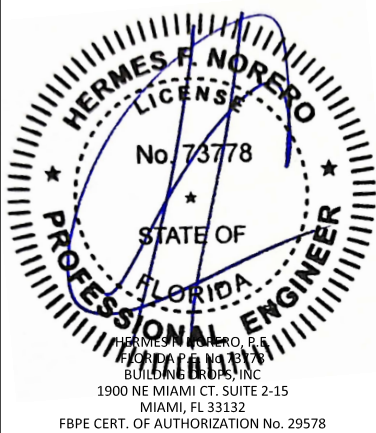
TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL SINGLE DOOR
(NON-HVHZ) (NON-IMPACT)
GASKETING DETAILS FOR
NON-WATER INFILTRATION

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	06.12.24
LOCK UPDATE	JA	09.09.24
MISC. UPDATE	DI	12.05.25

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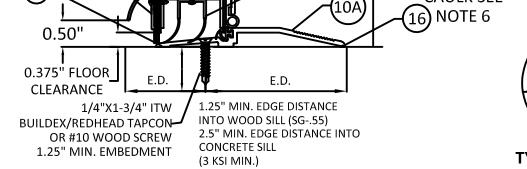
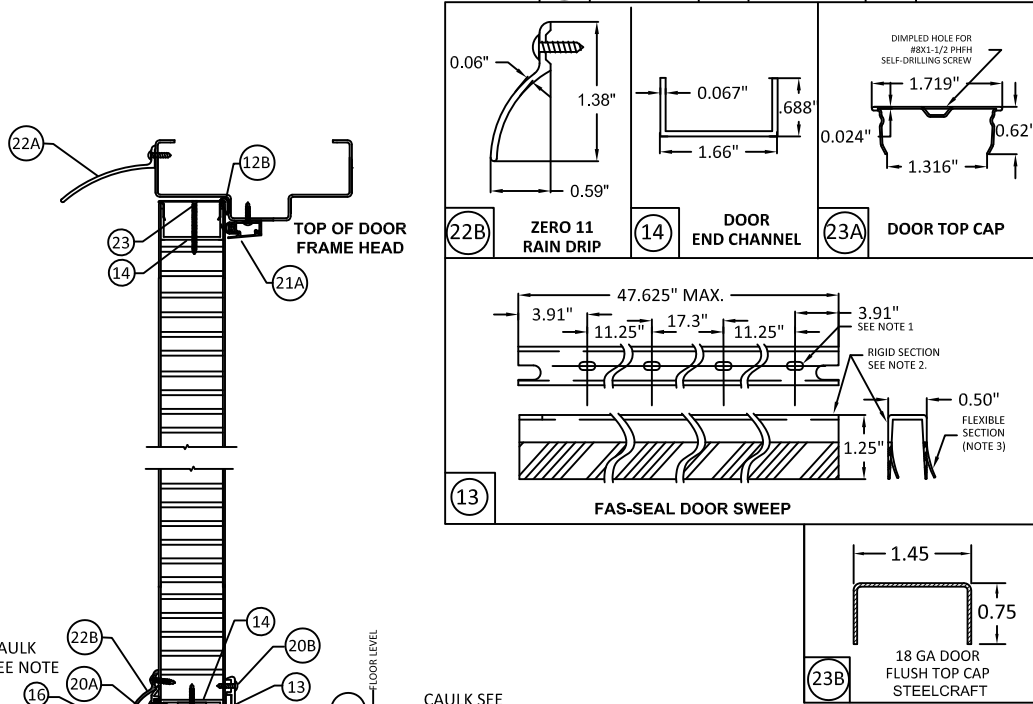
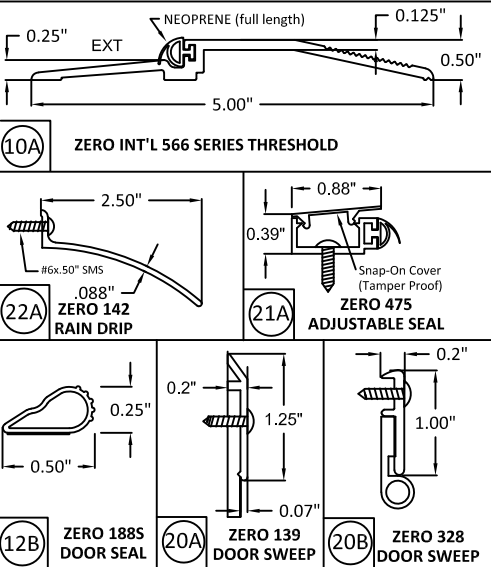


FL10356	
DATE: 05.10.23	
DWG. BY: DI	CHK. BY: HFN
SCALE: NTS	
DWG. #: FSDA330	
SHEET: 19 OF 30	

TABLE 7.1 WATER RATED PERIMETER SEAL HARDWARE - ZERO INT'L THRESHOLD 566

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
10A	566 THRESHOLD	ZERO INT'L
13	FAS-SEAL SWEEP	STEELCRAFT
14	END CHANNEL	STEELCRAFT
12B	188S DOOR SEAL	ZERO INT'L
20A	139 DOOR SWEEP	ZERO INT'L
20B	328 DOOR SWEEP	ZERO INT'L
21A	475 ADJUSTABLE SEAL	ZERO INT'L
22A	142 RAIN DRIP	ZERO INT'L
22B	11 RAIN DRIP	ZERO INT'L
23A	DOOR TOP CAP	STEELCRAFT
23B	DOOR TOP CAP	STEELCRAFT

ZERO INT'L 566 THRESHOLD GASKETING SYSTEM
REQUIREMENTS FOR WATER INFILTRATION -
(SEE ELEVATIONS SHEET 1)



BOTTOM OF DOOR WEATHERSTRIPPING
AND SILL INSTALLATION

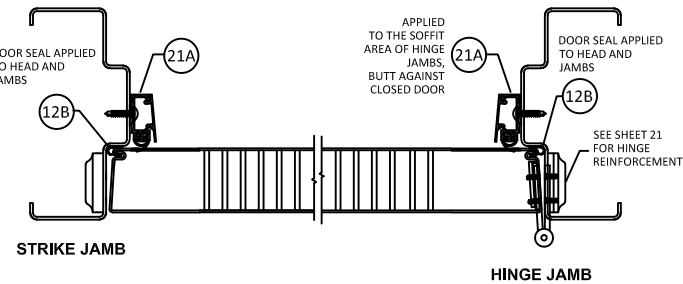
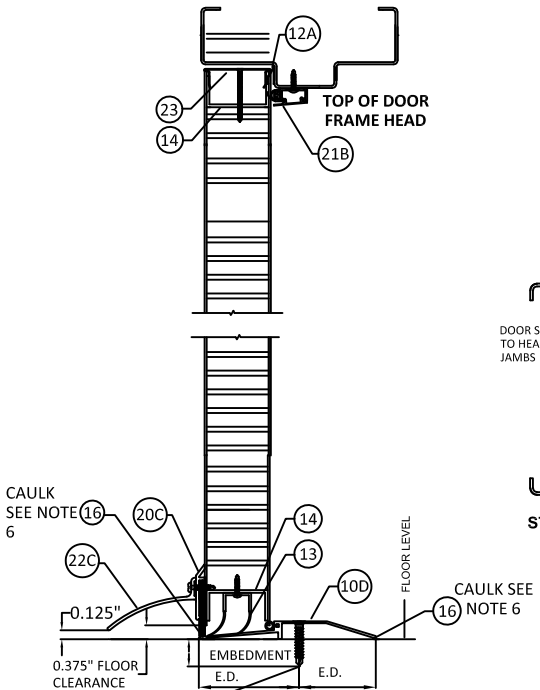
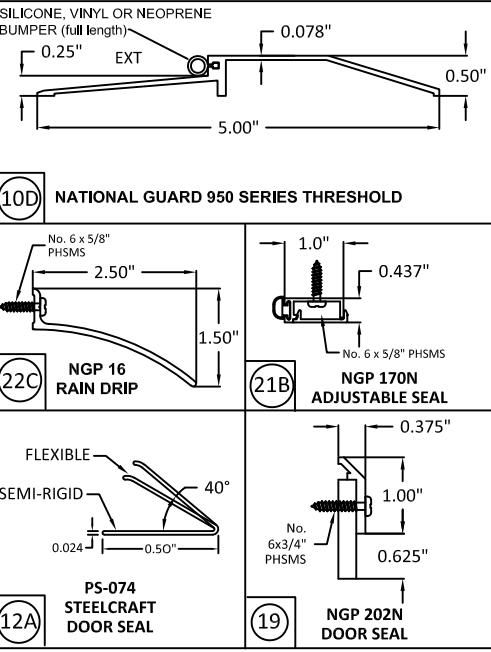


TABLE 7.2 WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

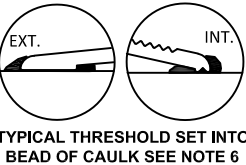
ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
10D	950 THRESHOLD	NGP
13	FAS-SEAL SWEEP	STEELCRAFT
14	END CHANNEL	STEELCRAFT
12A	PS074 DOOR SEAL	STEELCRAFT
19	202N DOOR SEAL	NGP
20C	200N DOOR SWEEP	NGP
21B	170N ADJUSTABLE SEAL	NGP
22C	16A RAIN DRIP	NGP
23A	DOOR TOP CAP	STEELCRAFT
23B	DOOR TOP CAP	STEELCRAFT

NGP 950 THRESHOLD GASKETING SYSTEM
REQUIREMENTS FOR WATER INFILTRATION -
(SEE ELEVATIONS SHEET 1)

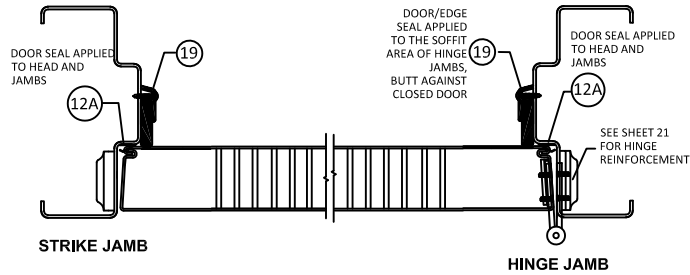
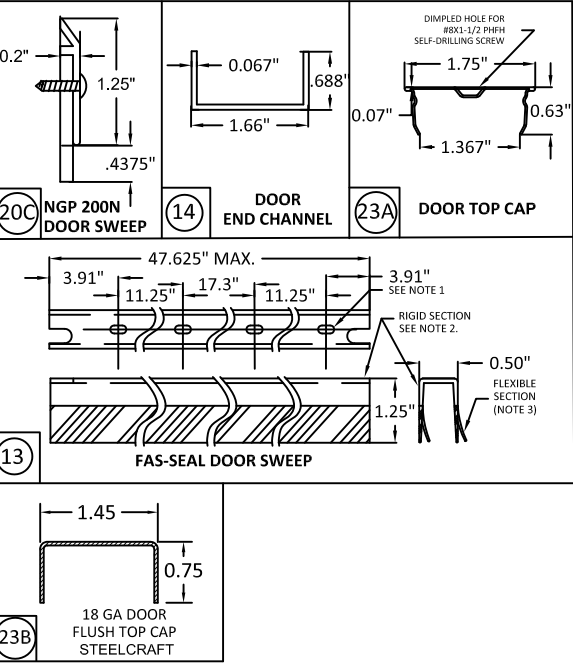
NOTE: REPUBLIC DOORS
HAVE FLUSH TOP DOOR
CHANNEL - TOP CAP NOT
APPLICABLE



BOTTOM OF DOOR WEATHERSTRIPPING
AND SILL INSTALLATION



TYPICAL THRESHOLD SET INTO
BEAD OF CAULK SEE NOTE 6



- 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 OR 10D) 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



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

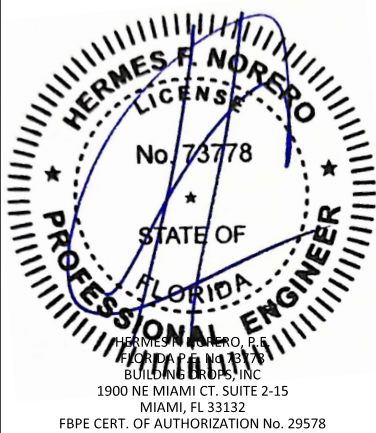
TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL SINGLE DOOR
(NON-HVHZ) (NON-IMPACT)
GASKETING DETAILS FOR
WATER INFILTRATION

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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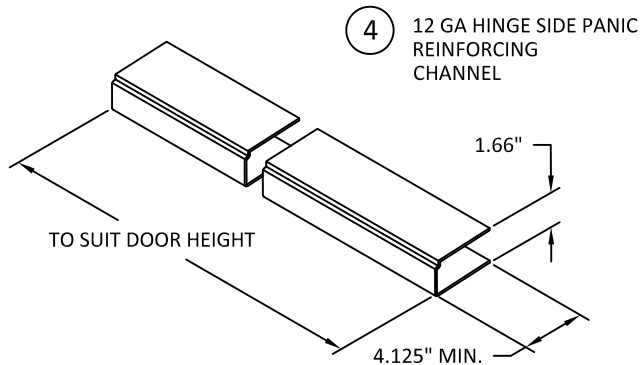
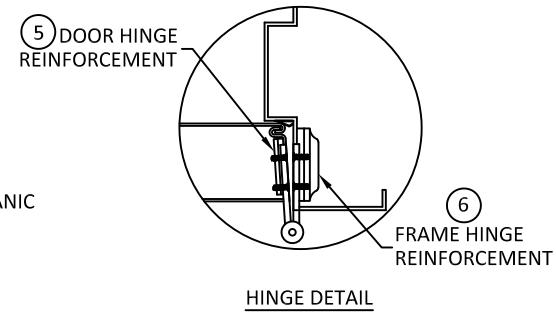
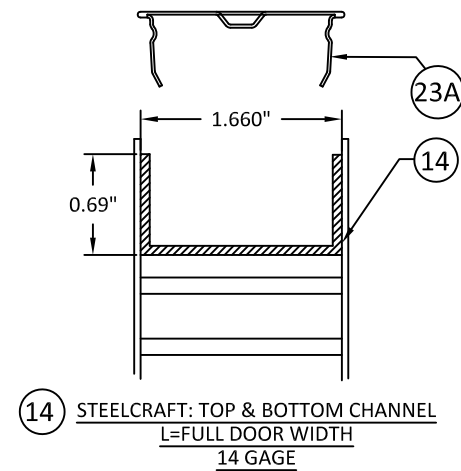
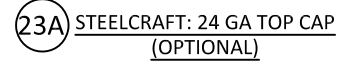
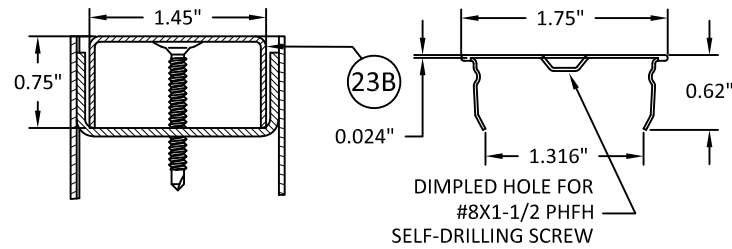
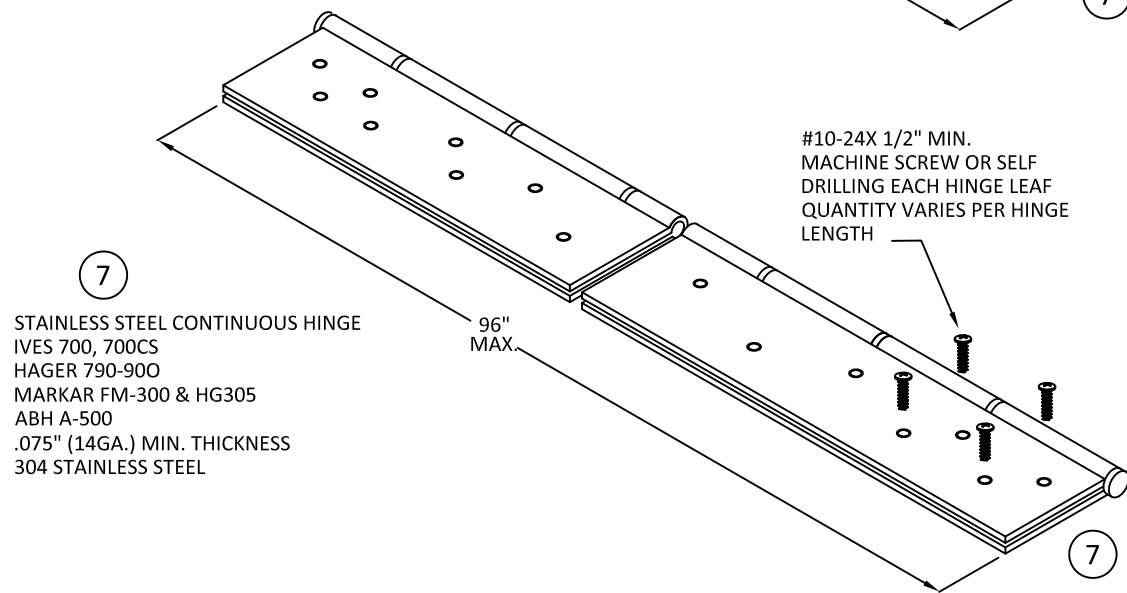
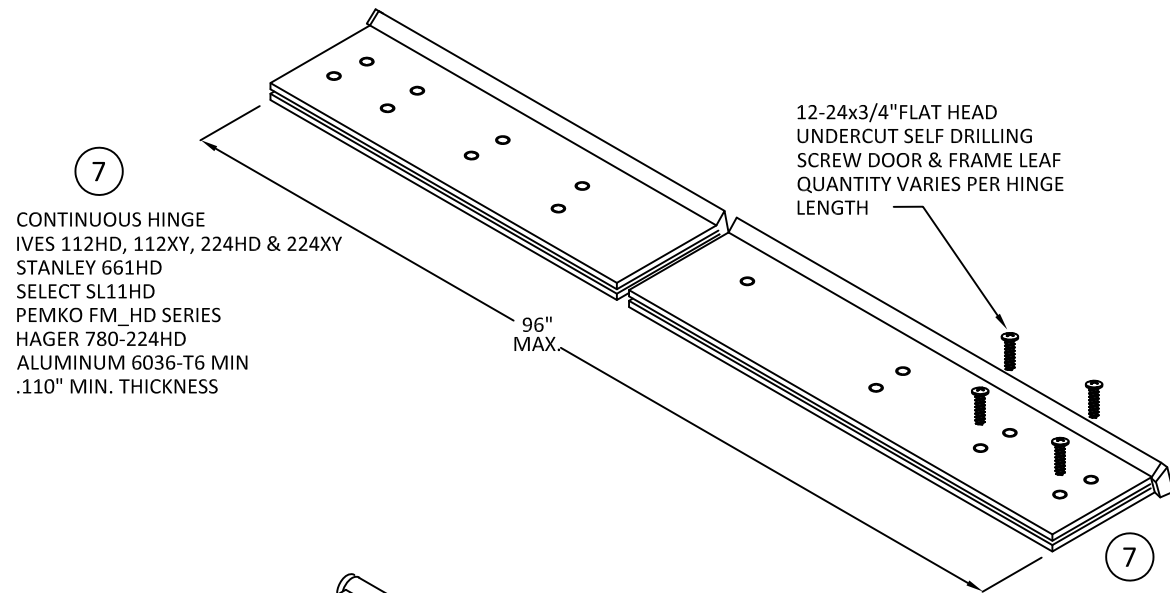
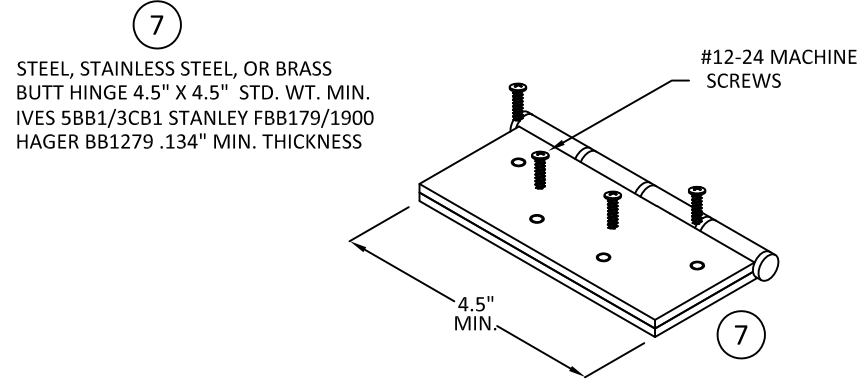
REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.12.24
LOCK UPDATE	JA	09.09.24
MISC. UPDATE	DI	12.05.25

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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.



FBPE CERT. OF AUTHORIZATION No. 29578

FL10356	
DATE: 05.10.23	
DWG. BY: DI	CHK. BY: HFN
SCALE: NTS	
DWG. #: FSDA330	
SHEET:	



- 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 SINGLE DOOR
(NON-HVHZ) (NON-IMPACT)
HINGES, CHANNELS,
& STRIKE REINFORCEMENTS

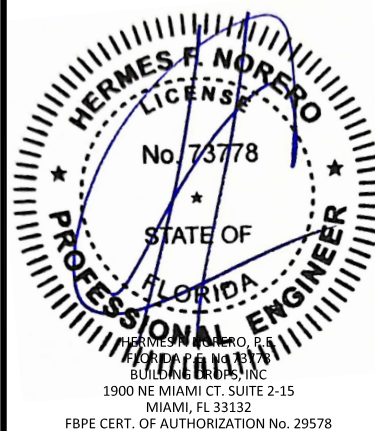
PREPARED BY: BUILDING DROPS, INC.

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	06.12.24
LOCK UPDATE	JA	09.09.24
MISC. UPDATE	DI	12.05.25

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FL10356

DATE: 05.10.23

DWG. BY:
DI

CHK. BY:
HFN

SCALE: NTS

DWG. #: FSDA330

SHEET:

21

OF 30



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

REPUBLIC DOORS: OPENINGS & BOM

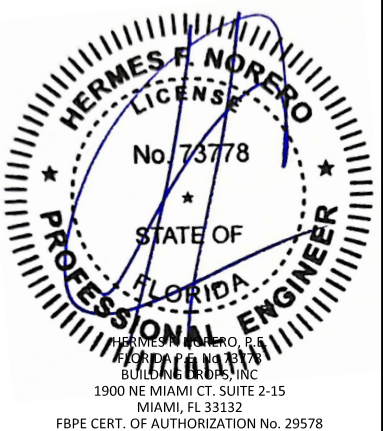
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HFN

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DWG. #: **FSDA330**

SHEET:

22

OF 30

UNIT WIDTH 52" MAX.
DOOR OPENING WIDTH 48" MAX.

2.00" TYP. OR 4.00" TYP.
SEE NOTE 7, SHEET 1

MIN. 7.125" MAX. 9.75"
CL OF HINGE

EQ.* (SEE NOTE 3 SHEET 1)

CL OF HINGE

EQ.*

CL OF HINGE

EQ.*

CL OF HINGE

MIN. 9" MAX. 12.50"

2.0000 TYP.

OVERALL FRAME HEIGHT W/ 2" HEAD 98" MAX.

OVERALL FRAME HEIGHT W/ 4" HEAD 100" MAX.

DOOR OPENING HEIGHT 96" MAX.

INSTALL LEFT JAMB SIMILAR TO RIGHT

LOCATE HARDWARE PER MFG.'S INSTALLATION INSTRUCTIONS

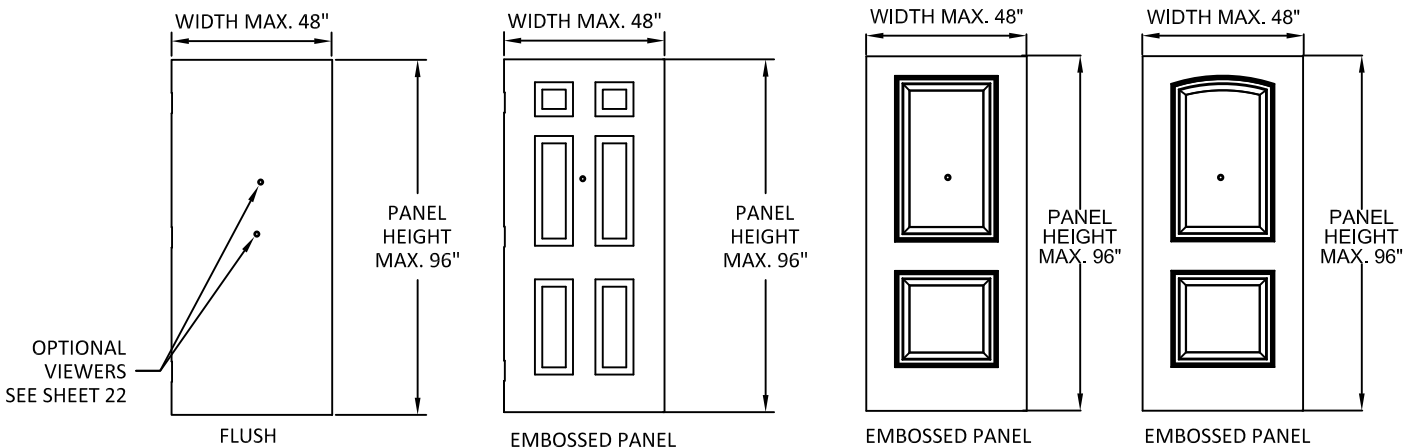
PANIC REINF. WHEN REQUIRED

TOP & BTM

SEE TABLE 1 ON SHEET 2 & 3

1, 2, 3, 4, 5, 6, 7, 8, 9, 14, 17

AVAILABLE DOOR PANEL CONFIGURATIONS

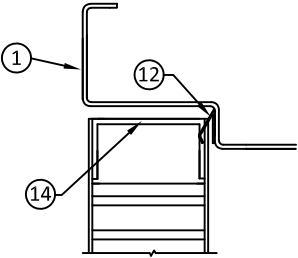
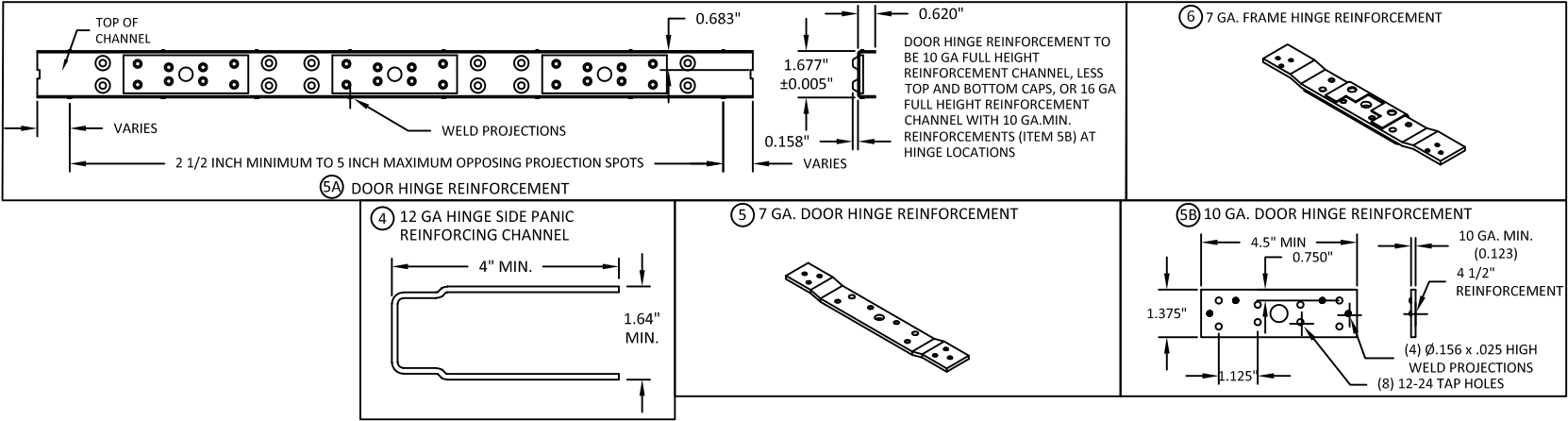


1. DOOR CONSTRUCTION

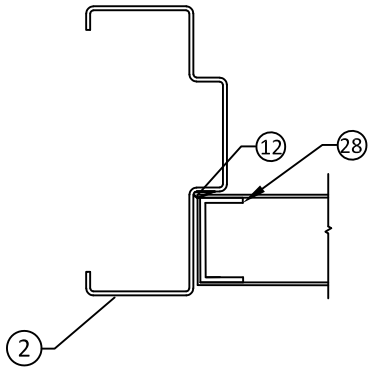
1.1. MINIMUM DOOR THICKNESS - 1 3/4"
1.2. DOOR SIZE MAY VARY, SUBJECTED TO COMPLIANCE WITH FLORIDA BUILDING CODE AND PRODUCT AVAILABILITY FROM MANUFACTURER (SEE SHEET 2 & 3 FOR AVAILABLE HARDWARE)
1.3. MAXIMUM 9/16" DIAMETER HOLE THROUGH DOOR FOR VIEWER INSTALLATION.
MAXIMUM 2 VIEWERS PER DOOR

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

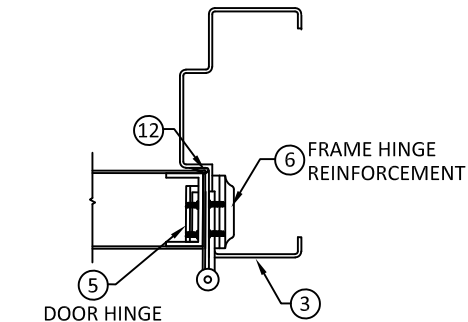
ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	HEAD, SEE SHT. 24	.053" MIN. STL	MAX. 52"
2	1	STRIKE JAMB, SEE SHT. 24	0.53" MIN. STL	MAX. 100" HEIGHT
3	1	HINGE JAMB, SEE SHT. 24	.053" MIN. STL	MAX. 100" HEIGHT
4	1	HINGE SIDE PANIC REINFORCEMENT - WHEN REQUIRED	.067" MIN. STL	MAX. 20"
5	NOTE 3, SHT. 1	HINGE REINFORCEMENT DOOR	.167" MIN. STL	1.23" X 9.19" MIN.
5A	NOTE 3, SHT. 1	HINGE REINFORCEMENT DOOR	.053" MIN. STL	1.67" - FULL HEIGHT - END CHNLS
5B	NOTE 3, SHT. 1	HINGE REINFORCEMENT DOOR	.123" MIN. STL	1.375" X 4.5" MIN.
6	NOTE 3, SHT. 1	HINGE REINFORCEMENT FRAME	.167" MIN. STL	1.5" X 9.19" MIN.
		4.5" MIN. BUTT HINGES (SEE SHT. 21)	.134 MIN. STL.	(8) #12-24 MS PER HINGE
7	NOTE 3, SHT. 1	OPTIONAL CONTINUOUS HINGE (SEE SHEET 21)	.075" MIN. STL / .110 ALUM.	MAX. 95"
8	1	CORE MATERIAL:		
		D) HONEYCOMB C) STEEL STIFFENED	SEE SHT. 11	
		A&F) POLYSTYRENE B&F) POLYURETHANE/POLYISOCYANURATE		
		E) MINERAL BOARD TEMPERATURE RISE CORE		
9	1	LOCKING HARDWARE - LOCKSET	SEE SHTS. 2 & 3	
10	1	THRESHOLD SILL W/BUMPER GASKET		
		10A) 566 ZERO 10B) 65 ZERO 10C) 568 ZERO	.125" ALUM. 6063 T5	48" MAX
		10D) 950A NGP	.078" ALUM. 6063 T5	
		10E) 803V NGP	.100" ALUM. 6063 T5	
		10F) 560 ZERO	.135" ALUM. 6063 T5	
		10G) 565 ZERO	.203" ALUM. 6063 T5	
11	NOTE 2, SHT. 1	FRAME ANCHOR	SEE SHTS. 13-17 & 25-29	-
12	SEE SHTS. 19-20	12A) PS074 DOOR SEAL REPUBLIC	TPE	VARIES
		12B) 188S, 12C) 117S, 12D) 8145S, 12E) 8150S, 12F) 8042S DOOR SEAL ZERO	VARIES	-
13	-	-	-	-
14	2	END CHANNEL (16 GAGE - INVERTED OR FLUSH)	.053" MIN. STL	.62" X 1.677"
16	AS NEEDED	CAULK - BUTYL RUBBER OR SILICONE	SEE SHTS. 19-20	-
17	1	DOOR SLAB (18, 16 OR 14 GA)	SEE SHT. 11	4' BY 8' MAX
18	-	-	-	-
19	2	202N DOOR SEAL BY NGP, SEE SHT. 20	TPE	MAX. 96"
20	1	20A) 139 DOOR SWEEP BY ZERO INT'L	SEE SHTS. 20	MAX 96" FOR VERTICAL MAX 48" FOR HORIZONTAL
		20B) 328 DOOR SWEEP BY ZERO INT'L		
		20C) 200N DOOR SWEEP BY NGP		
21	VARIES	21A) 475 ADJUSTABLE SEAL BY ZERO INT'L SEE SHT. 20	TPE	MAX. 96"
		21B) 170N ADJUSTABLE SEAL BY NGP		
22	1	22A) 142 RAIN DRIP BY ZERO INT'L	SEE SHTS. 20	MAX. 52"
		22B) 11 RAIN DRIP BY ZERO INT'L		
		22C) 16A RAIN DRIP BY NGP		
23	-	-	-	-
27	1	IVES 698/U698 DOOR VIEWER	BRASS	-
28	2	EDGE CHANNEL (16 GA FLUSH)	0.53" MIN. STL	0.62" X 1.677"



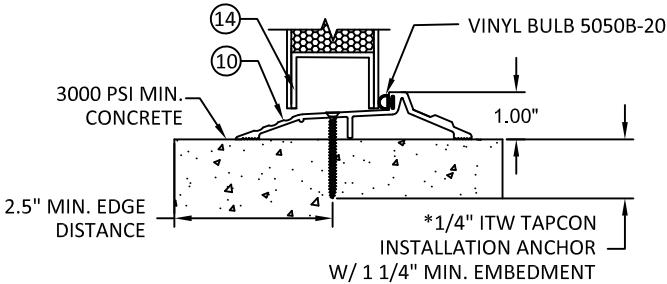
TOP OF DOOR



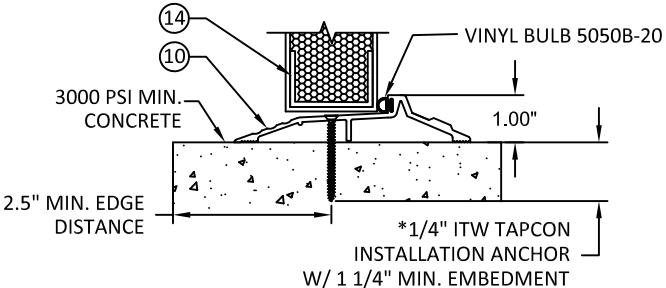
LOCK SIDE



HINGE SIDE



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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COMMERCIAL STEEL SINGLE DOOR
(NON-HVHZ) (NON-IMPACT)

REPUBLIC DOORS: SILL &
REINFORCEMENT DETAILS

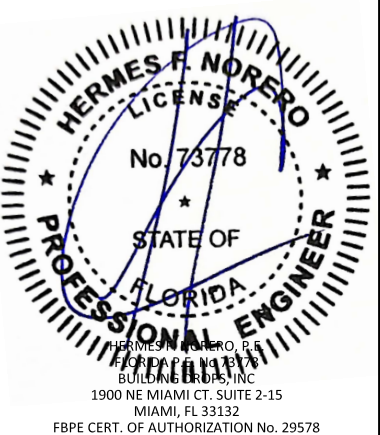
PREPARED BY: BUILDING DROPS, INC.

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PH: (954)399-8478
FAX: (954)744-4738
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DWG. #: FSDA330

SHEET:

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OF 30

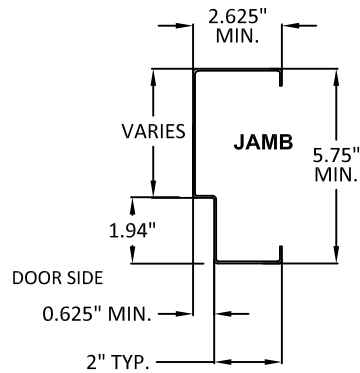
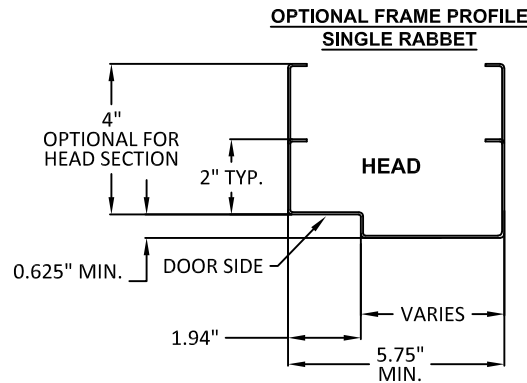
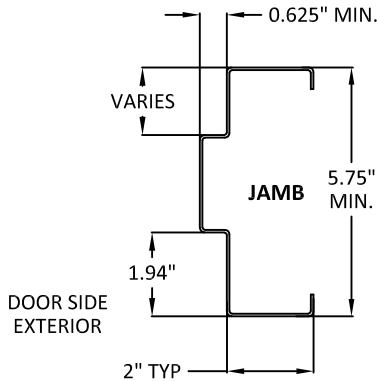
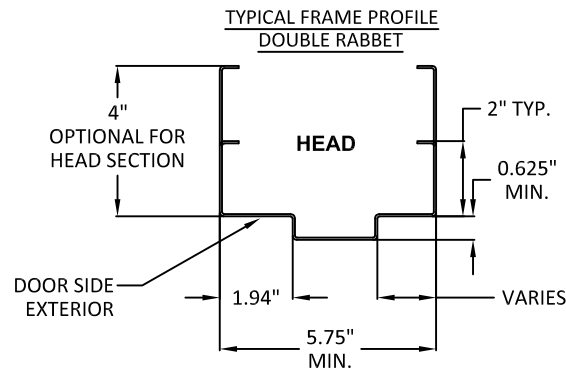
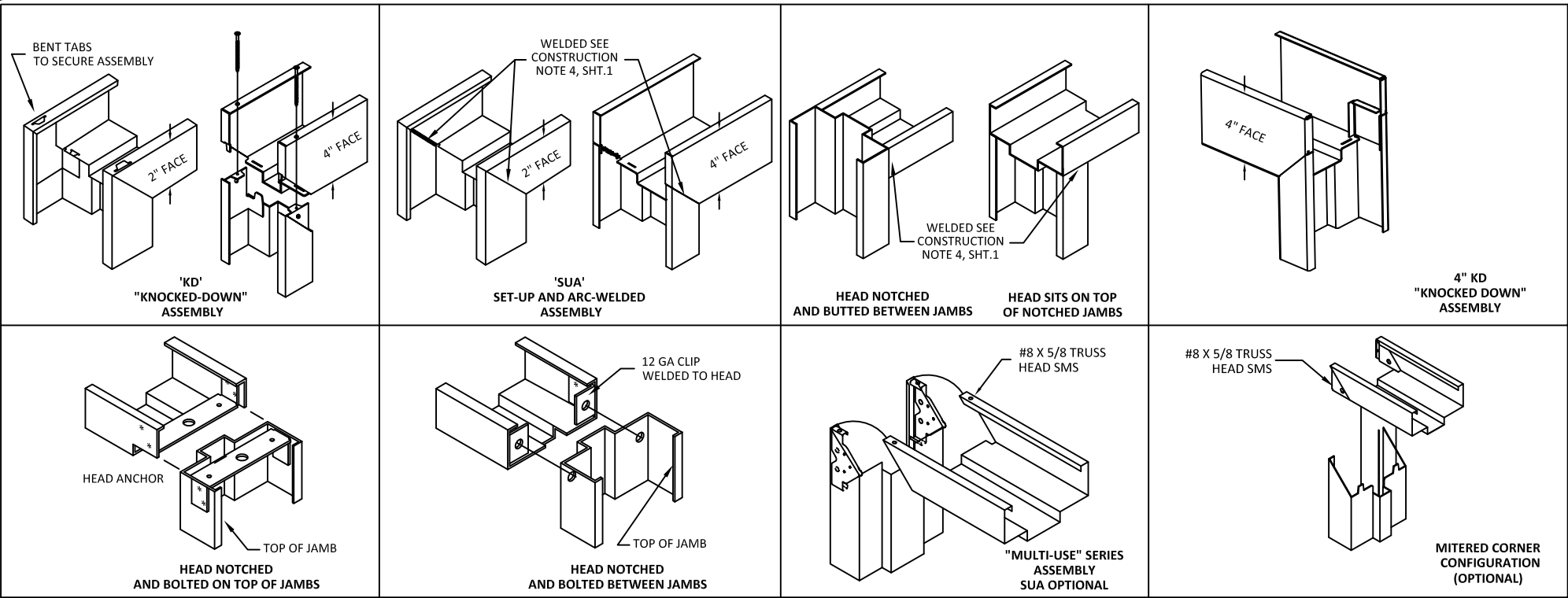


TABLE 9: AVAILABLE REPUBLIC DOOR CONFIGURATIONS

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	4'-0"	8'-0"	CRS. GALV.	18/.042" 16/.053"
DE		4'-0"	8'-0"	CRS. GALV.	18/0.42" 16/.053" 14/.067"
DP	HONEYCOMB POLYSTYRENE	4'-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.	4'-0"	8'-0"	CRS/HRS GALV	16/.053" 14/.067"
SE	5.75" MIN.	4'-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		



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

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

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



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FL10356

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CHK. BY: HFN

SCALE: NTS

DWG. #: FSDA330

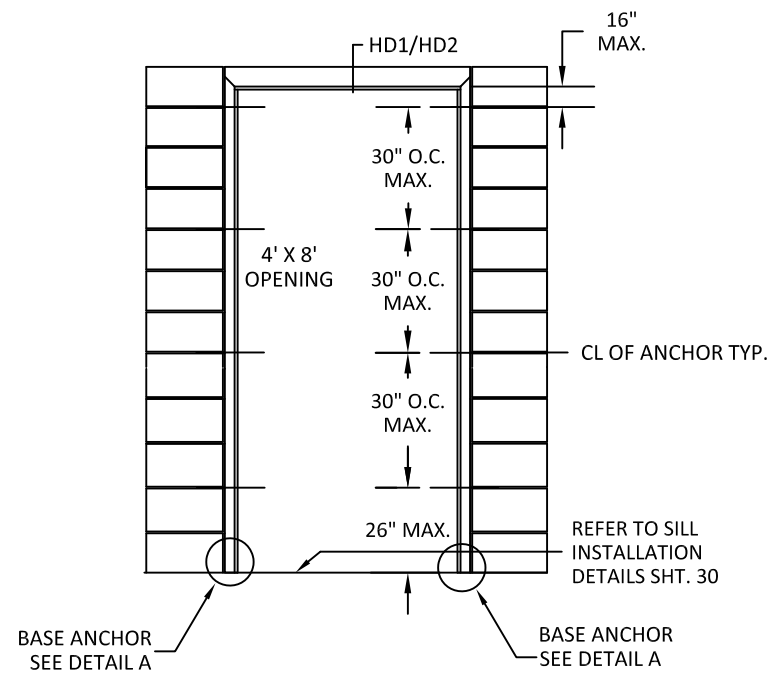
SHEET:

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1

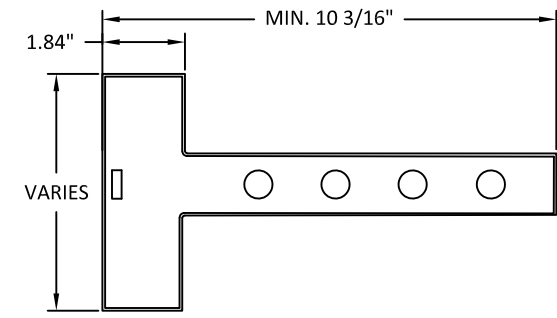
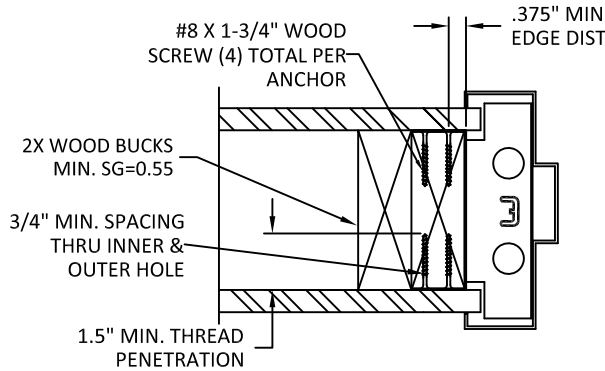
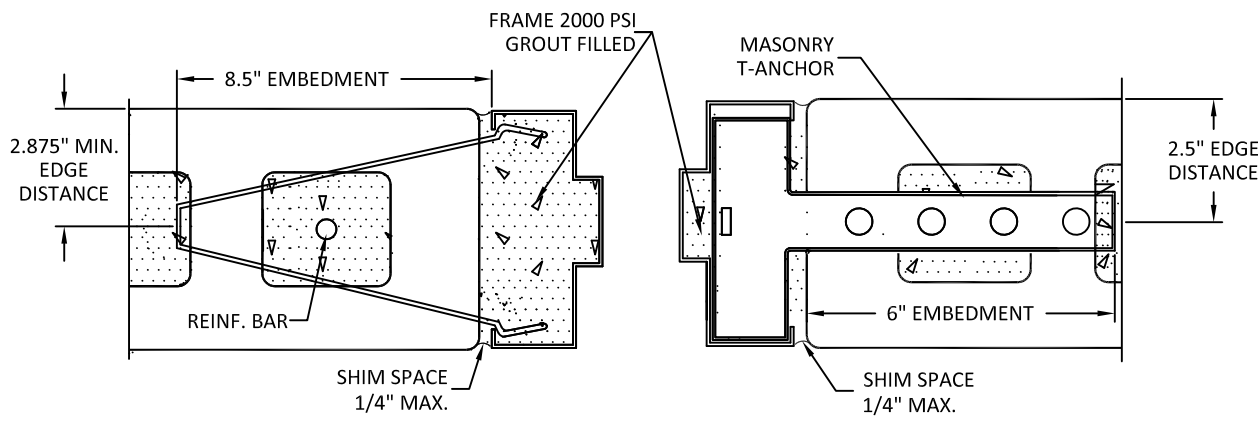
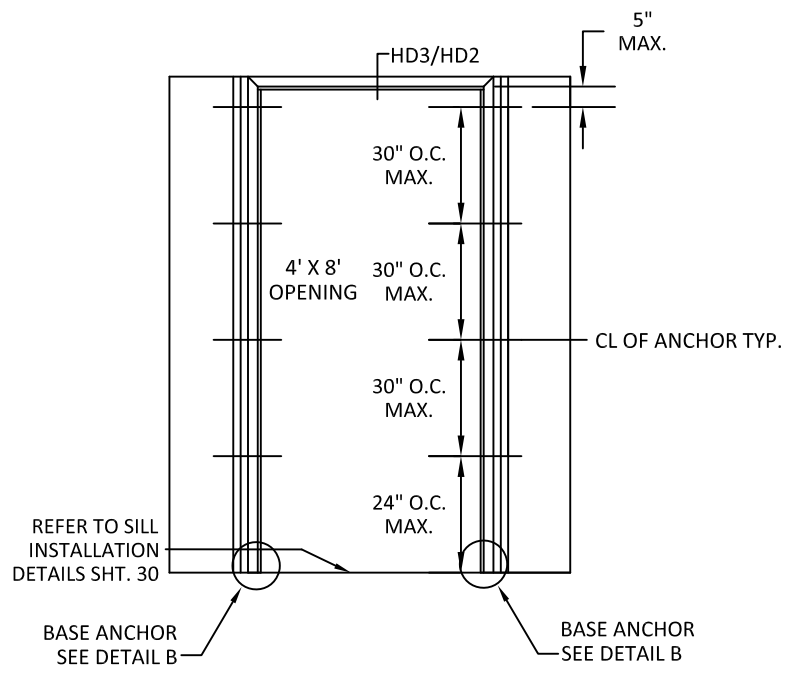
WIRE OR T MASONRY ANCHOR
INTO GROUT FILLED FRAME
AND BLOCK WALL



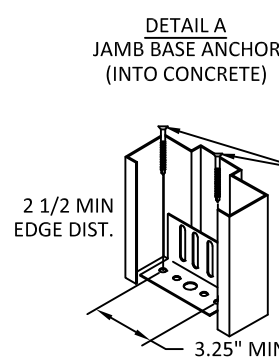
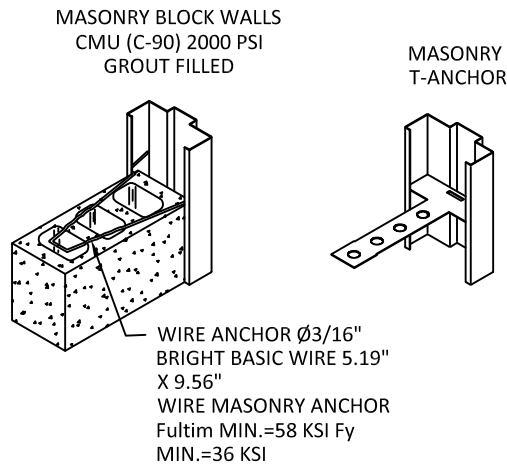
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WOOD STUD ANCHOR

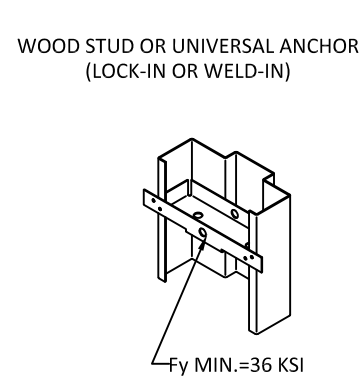
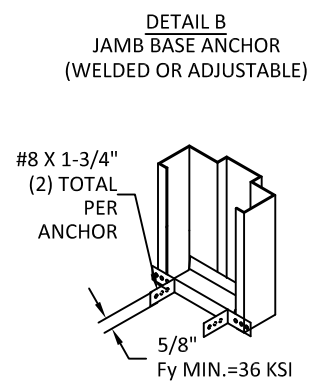
SEE PAGE 13 FOR
OPTION 1 ANCHOR DETAILS



NOTES:
1. (*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 130 #/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 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)



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

PREPARED BY:
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1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
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HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
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: 05.10.23

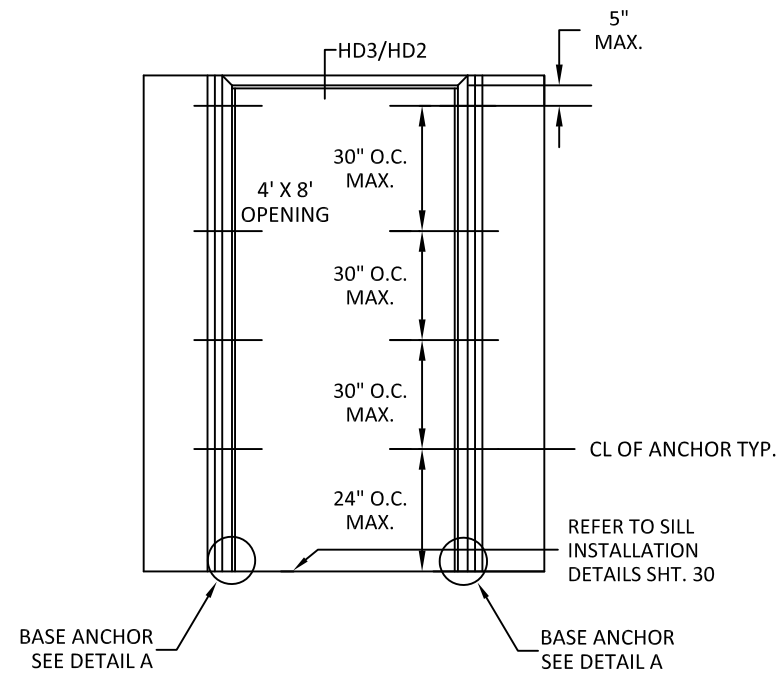
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CHK. BY: HFN

SCALE: NTS

DWG. #: FSDA330

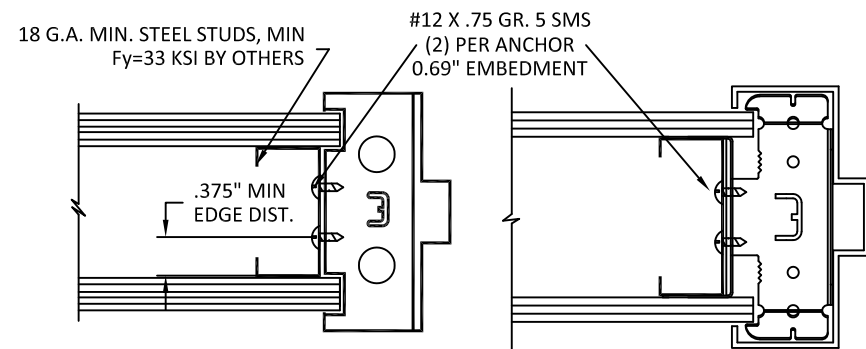
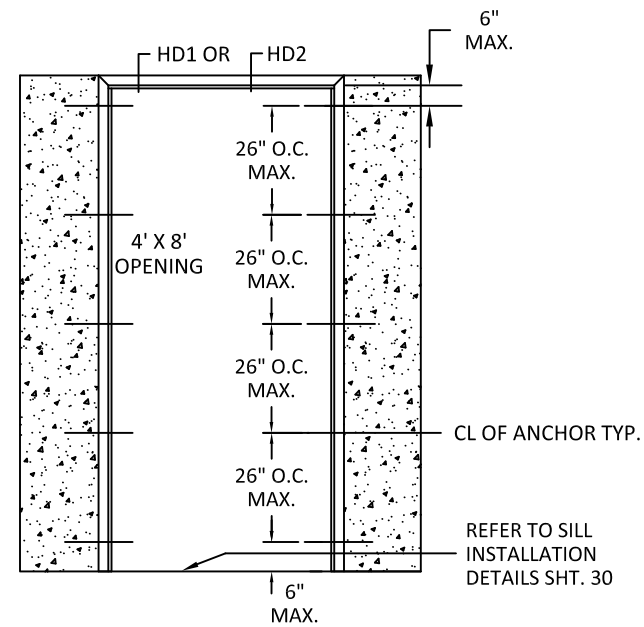
SHEET: 25
OF 30

3 STEEL STUD ANCHOR



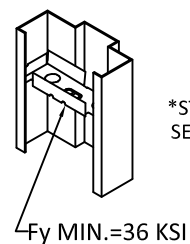
4 PREPARED OPENING ANCHOR (POA) INTO CONCRETE WALL OR CMU

SEE PAGE 14 FOR
OPTION 1 ANCHOR DETAILS

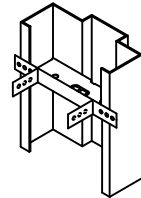


STEEL STUD ANCHOR
WELD-IN OR LOCK-IN

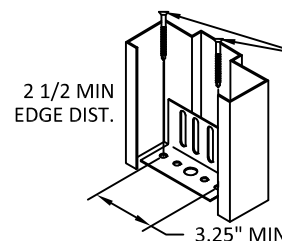
UNIVERSAL ANCHOR
WELD-IN OR LOCK-IN



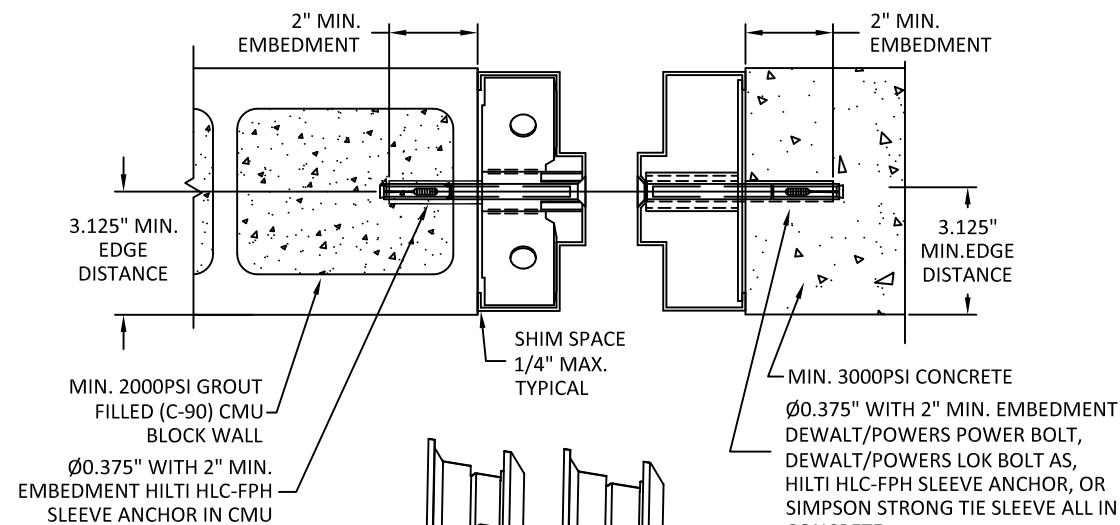
*STEEL STUD WALLS
SEE NOTE 11, SHT.1



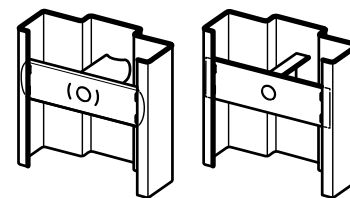
DETAIL A
JAMB BASE ANCHOR
(INTO CONCRETE)



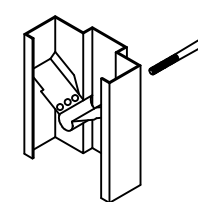
(3 KSI MIN.)
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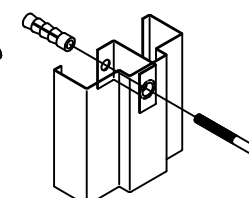
POA ANCHOR



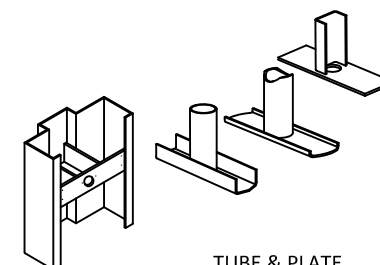
TUBE/CHANNEL &
PLATE BOLT-IN



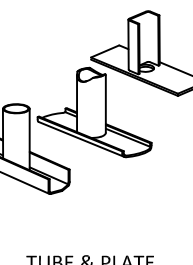
LOCK-IN



POA ANCHOR



TUBE AND STRAP



TUBE & PLATE
WELD-IN EMA
ANCHOR

NOTES:

- (*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 130 #/FT. LOAD FOR ASSEMBLIES RATED @ 60 PSF.
- NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
- SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK.
- INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL.
- 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

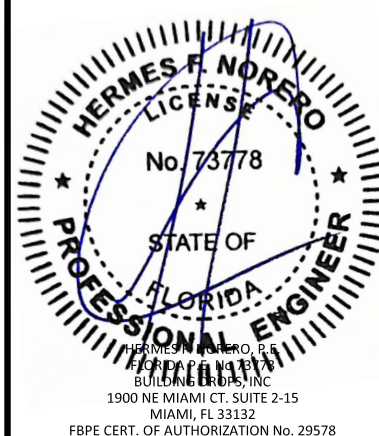
TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL SINGLE DOOR
(NON-HVHZ) (NON-IMPACT)
REPUBLIC DOORS: ANCHORS -
STEEL STUD & EMA INTO
CONCRETE WALL OR CMU

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	06.12.24
LOCK UPDATE	JA	09.09.24
MISC. UPDATE	DI	12.05.25

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FL10356

DATE: 05.10.23

DWG. BY:
DI

CHK. BY:
HFN

SCALE: NTS

DWG. #: FSDA330

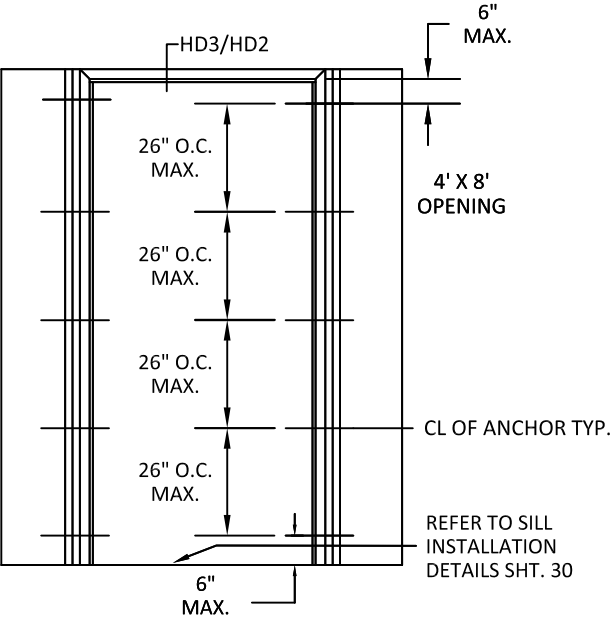
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OF 30

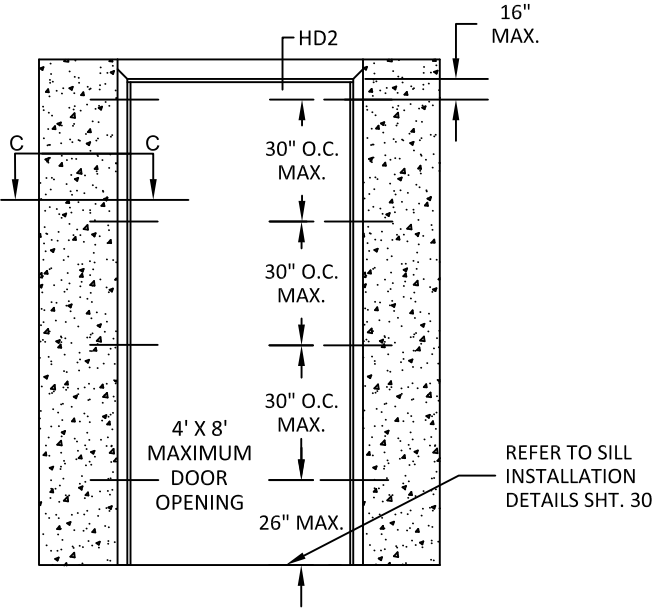
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PREPARED OPENING ANCHOR (POA)
WITH LAG BOLT INTO WOOD STUD WALL



6

POURED CONCRETE
TILT UP WALL



SEE PAGE 15 FOR
OPTION 1 ANCHOR DETAILS



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

TITLE: FLUSH OUTSWING/INSWING
COMMERCIAL STEEL SINGLE DOOR
(NON-HVHZ) (NON-IMPACT)
REPUBLIC DOORS: 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
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MISC. UPDATE	DI	12.05.25

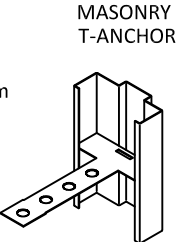
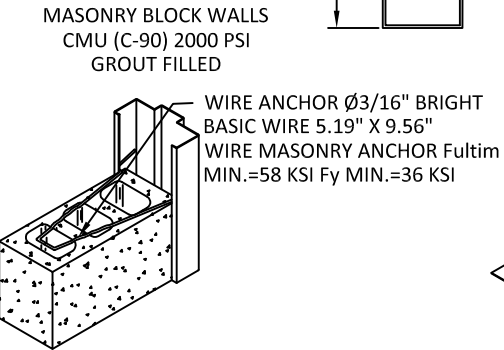
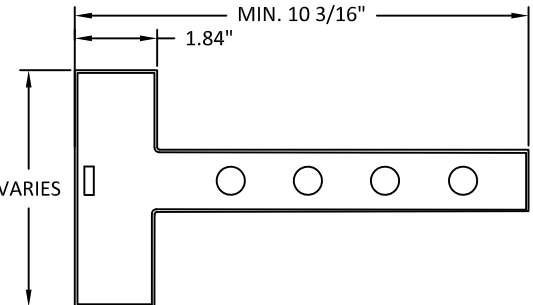
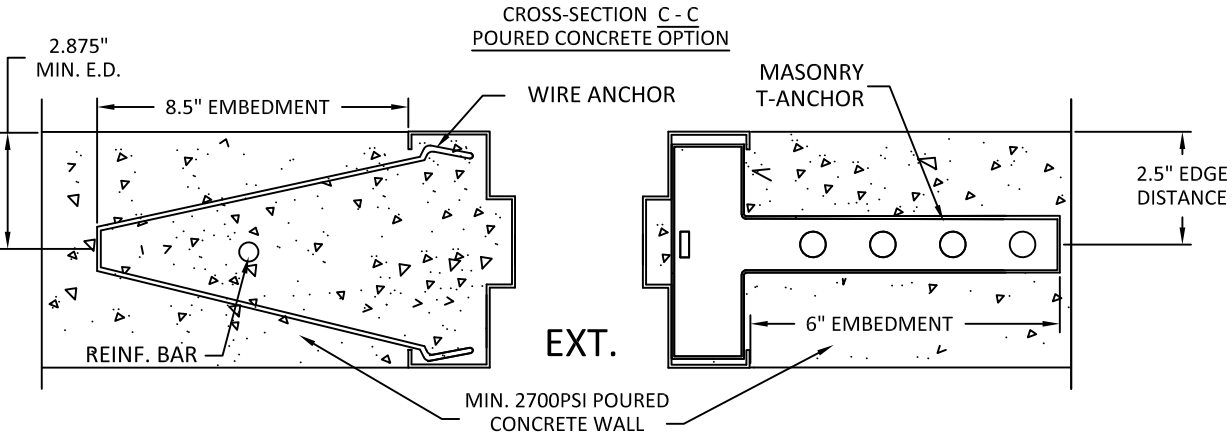
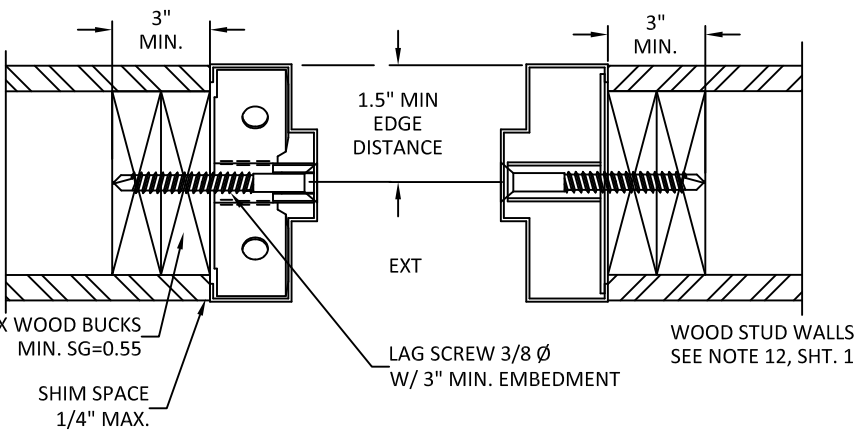
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC
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SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE
FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED
ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC
DOCUMENTS FOR USE WITH THIS DOCUMENT.



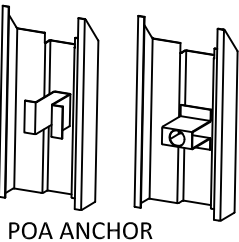
FL10356

DATE:	05.10.23
DWG. BY:	DI
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	FSDA330
SHEET:	27

OF 30



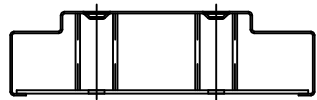
NOTES:
1. (*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 130 #/FT. LOAD FOR ASSEMBLIES RATED @ 60 PSF.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. SEAL ALL JOINTS WHERE 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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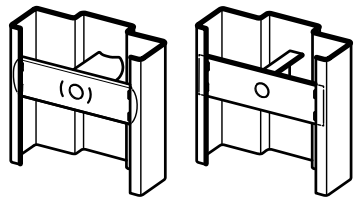
NOTE:
1. 3/8" LAG SCREWS TO BE MIN SAE GRADE 2 OR EQUIVALENT.

SEE PAGE 16 FOR
OPTION 1 ANCHOR DETAILS

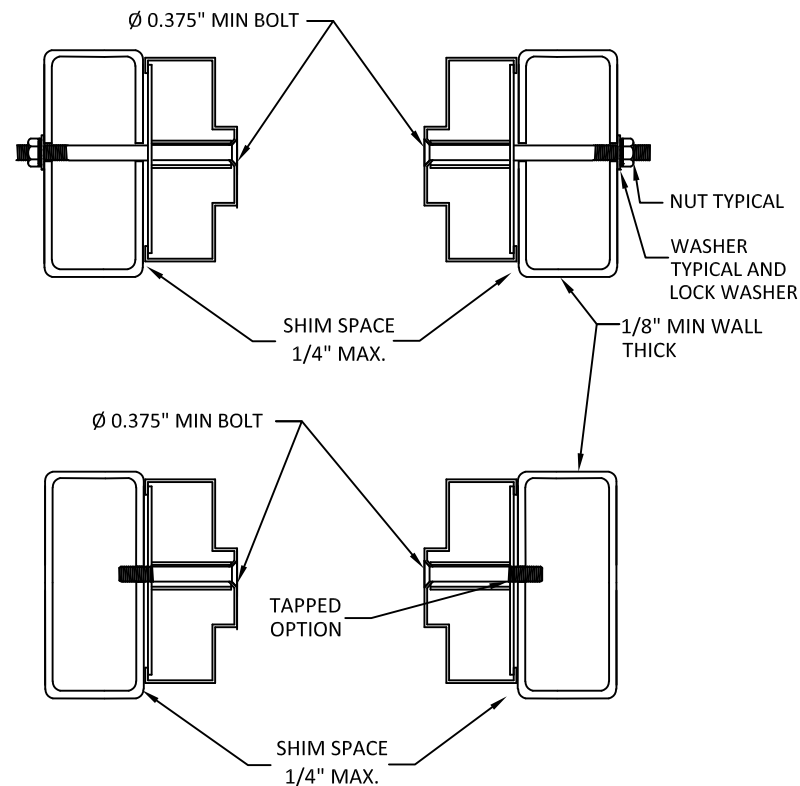
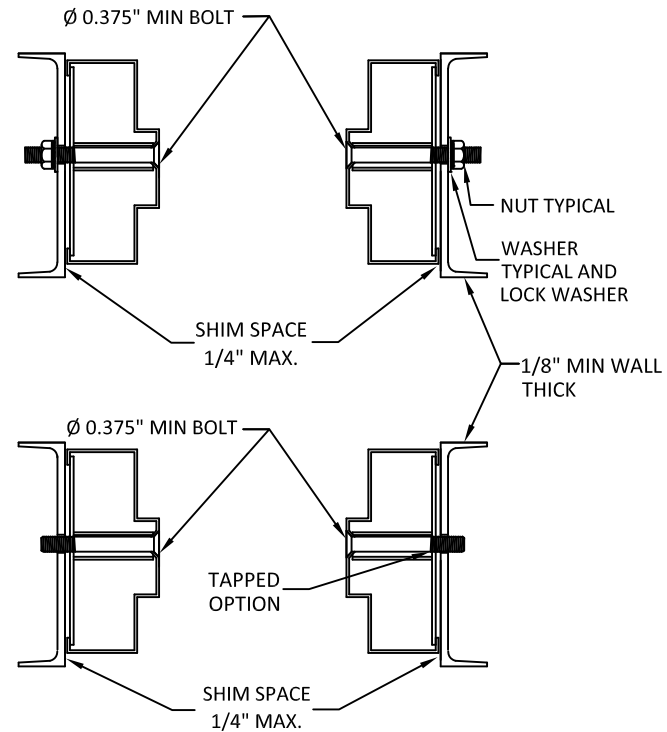
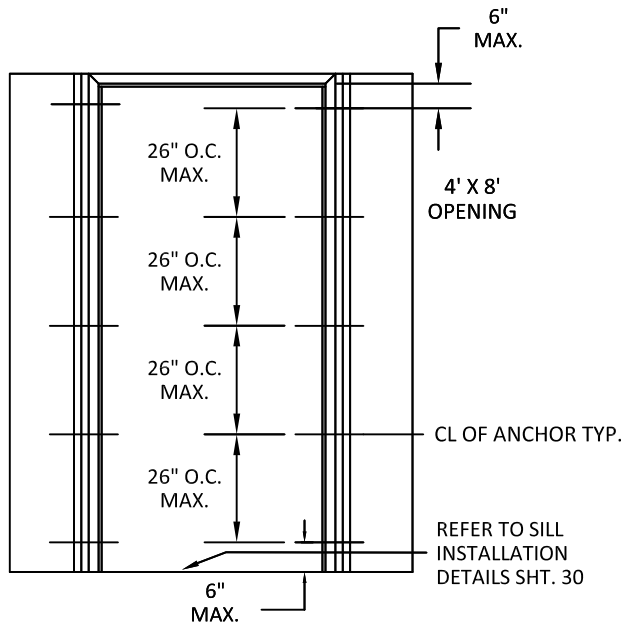
7 BOLTED TO BUILDING STRUCTURE



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:
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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 SINGLE 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

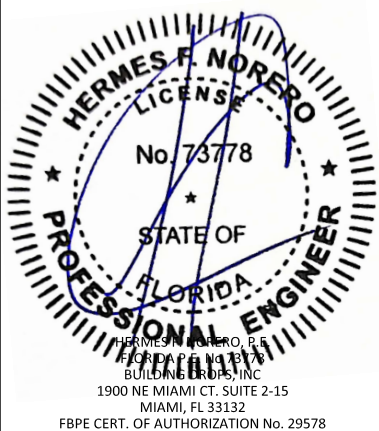
PH: (954)399-8478
FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
LOCK ADDITION	MG	10.16.23
MPP/ANCHOR UPDATE	SH	06.12.24
LOCK UPDATE	JA	09.09.24
MISC. UPDATE	DI	12.05.25

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FL10356

DATE: 05.10.23

DWG. BY:
DI

CHK. BY:
HFN

SCALE: NTS

DWG. #: FSDA330

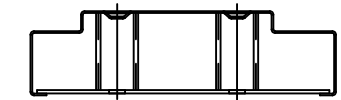
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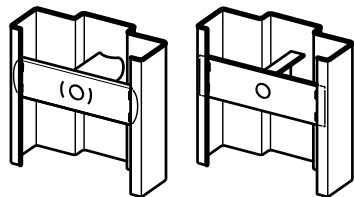
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8

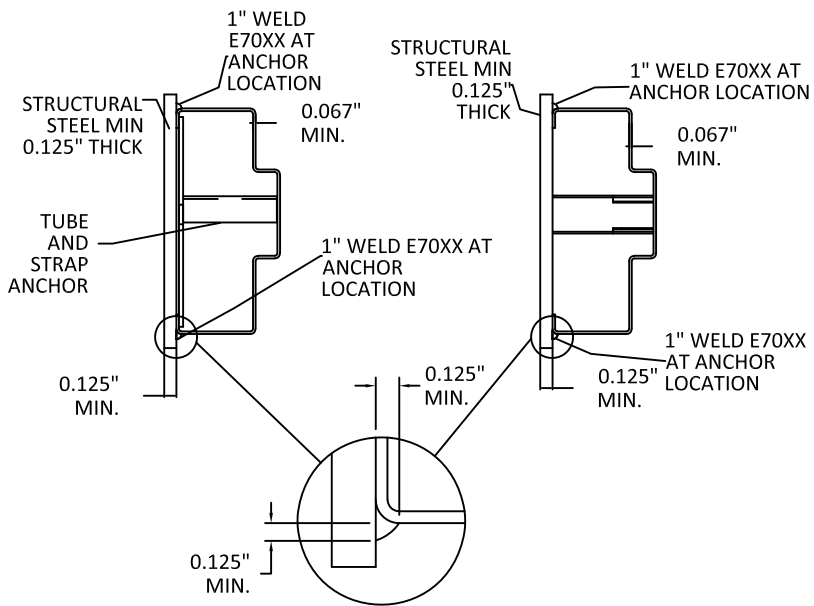
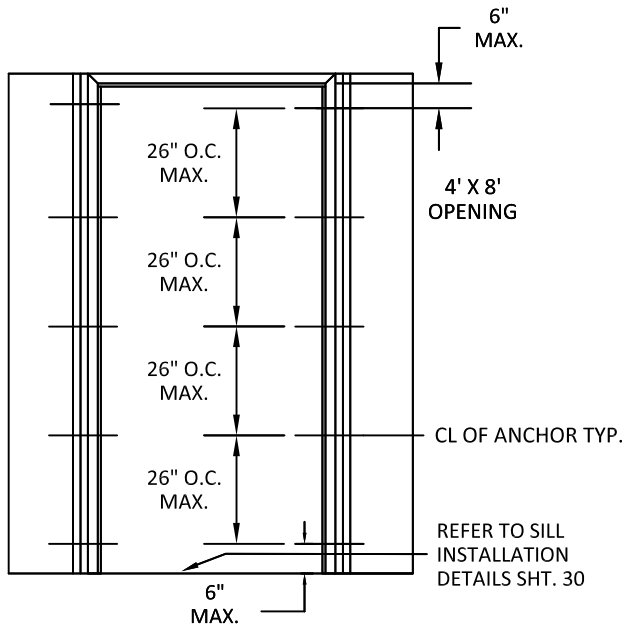
WELDED ANCHOR
SHIM OR STEEL BUILDING
STRUCTURE



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 130 #/FT. LOAD FOR ASSEMBLIES RATED @ 60 PSF.
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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 SINGLE DOOR
(NON-HVHZ) (NON-IMPACT)
REPUBLIC DOORS: ANCHORS -
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
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FL10356

DATE: 05.10.23

DWG. BY: DI
CHK. BY: HFN

SCALE: NTS

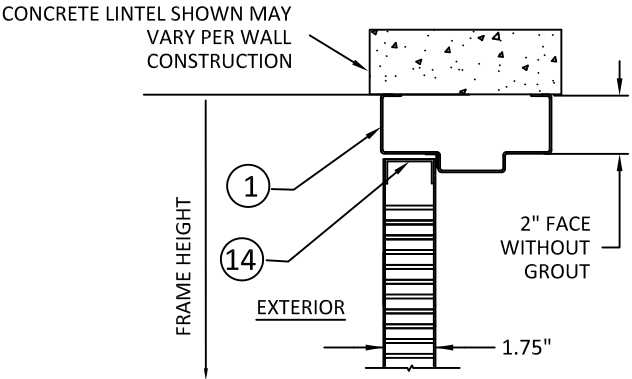
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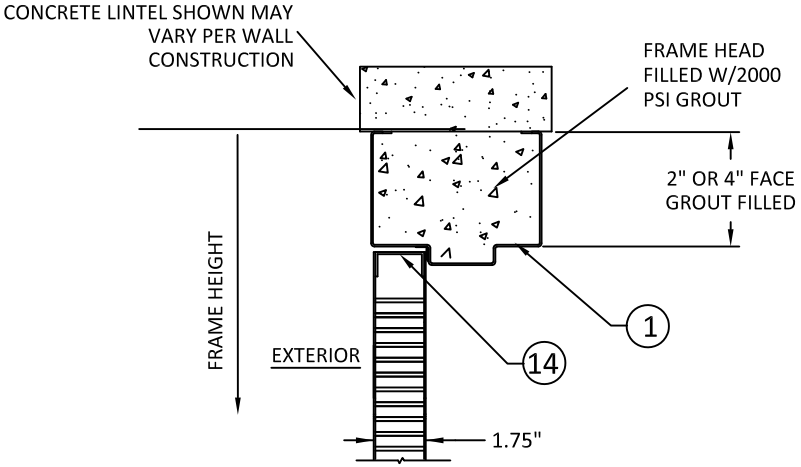
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OF 30

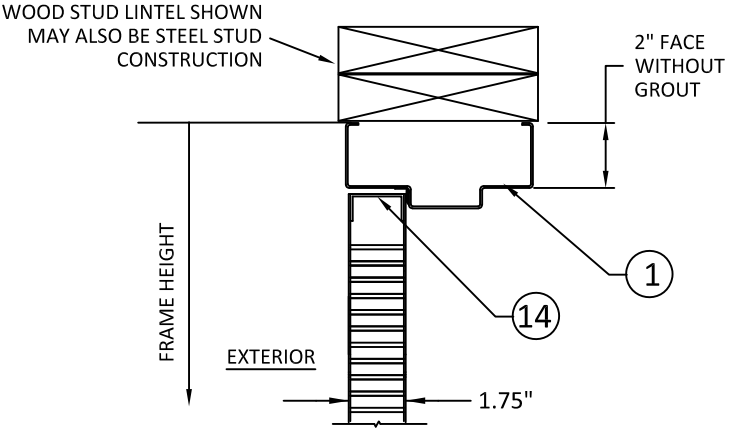
SEE PAGE 18 FOR OPTION 1
DETAILS



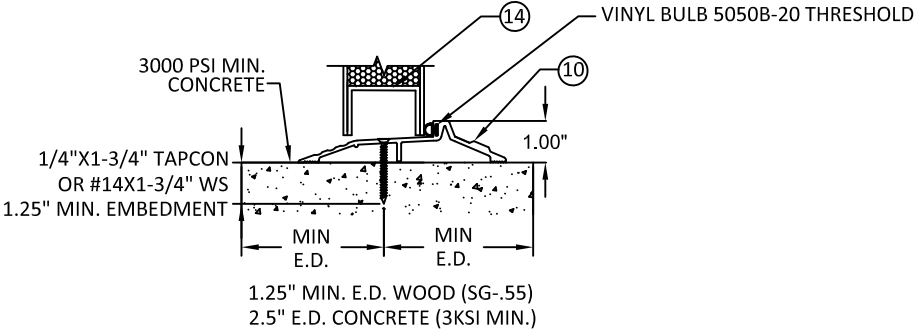
HD1 - FRAME HEAD SECTION



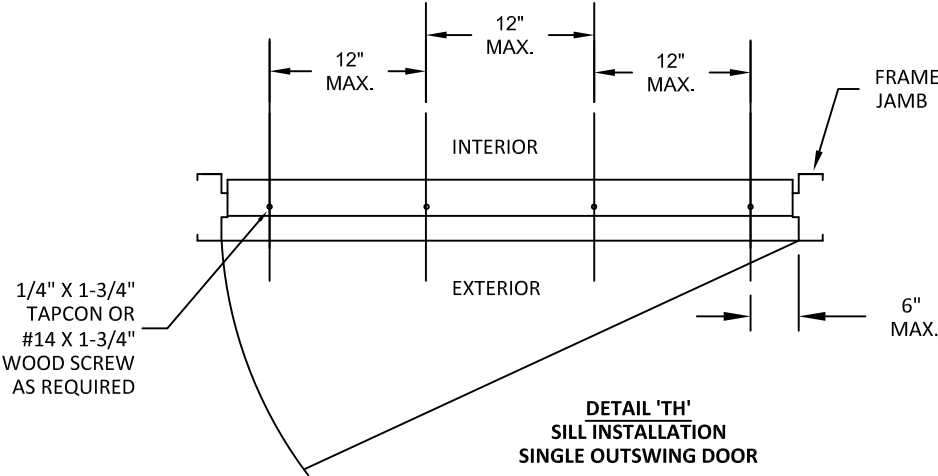
HD2 - FRAME HEAD SECTION



HD3 - FRAME HEAD SECTION



SILL DETAIL 'TH' (SIDEVIEW)
WOOD OR CONCRETE SILL
E.D. - EDGE DISTANCE



NOTES:
1. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
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CARMEL, IN 46032
PH: (317) 715-4073

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

REPUBLIC DOORS: FRAME &
HEAD DETAILS

PREPARED BY:

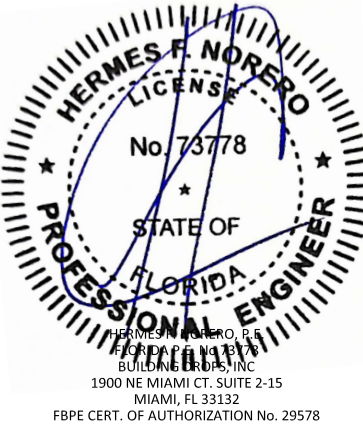
BUILDING DROPS, INC.

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OF 30