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ALLEGION - SCHLAGE LOCK COMPANY, LLC.

OUTSWING DOUBLE FLUSH WITH PANIC DOOR HARDWARE (HVHZ)(IMPACT)

GENERAL NOTES:

- 1. THESE PRODUCTS COMPLY WITH THE CURRENT FLORIDA BUILDING CODE AND HAVE BEEN TESTED TO HVHZ PROTOCOLS TAS 201, 202, & 203-94 AND ASTM E1886-13A, E1996-14A & E330-14.
- 2. THE DOORS ARE LARGE MISSILE IMPACT RATED.
- 3. DISSIMILAR MATERIAL IN CONTACT SHALL MEET FBC REQUIREMENTS.
- 4. ASSEMBLIES MEET FBC AIR INFILTRATION REQUIREMENTS.

NOTES:

- 1. WEATHERSTRIPPING - INSTALL PER SHT. 10.
- 2. ANCHOR REQUIREMENTS: SEE SHEETS 6 - 9 & 16 - 19 FOR APPROVED ANCHOR INSTALLATION REQUIREMENTS.
- 3. BUTT HINGE REQUIREMENTS:
 - FOR DOOR OPENING UP TO 90" HIGH - MIN. (3) HINGES
 - FOR DOOR OPENING OVER 90" - 96" HIGH - MIN. (4) HINGES
 - LOCATIONS: MIN. 7.1257"- MAX. 9.75" FROM RABBIT IN HEAD TO CL OF TOP HINGE
 - MIN. 9.00"-MAX. 12.25" FROM FLOOR TO CL OF BOTTOM HINGE, EQUALLY SPACED IN BETWEEN.
- 4. HINGE SPACING MAY VARY, MAXIMUM SPACE NOT TO EXCEED 35 1/2" BETWEEN HINGES.
- 4. SEE SHT. 11 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
- 5. HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS AND THESE DETAILS.
- 6. 4" FACE HEAD IS AVAILABLE WHEN GROUTED FULL.
- 7. APPLY CAULK AS NEEDED.
- 8. SEE SHT. 13 FOR SECTION A-A, SEE SHT. 13 FOR SECTION B-B.
- 9. EXIT HARDWARE OPTIONS:
 - FOR 98/99 & 33/35 SERIES - OPTIONS E, RX, LX, SS, EL, QEL, CX, F, ALK, CD, PN, E, LD
- TRIM: ALL APPLICABLE TRIMS AVAILABLE.
- 10. PN MODEL OFFERED.
- 11. 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 NOT PART OF THIS APPROVAL, CONSULT MANUFACTURER FOR APPROVED CONFIGURATIONS.
- 12. 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.
- 13. ITEMS 19 THROUGH 23 ARE OPTIONAL WEATHERSTRIP AND GASKETING.

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 +/-75 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 6, SHT. 11). REPUBLIC DOOR FRAME OPTIONS AVAILABLE AS ME-SERIES AND SE-SERIES (SEE TABLE 10, SHT. 15).
- 3. FOR STEELCRAFT DOOR/FRAME MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 8, SHT. 11. FOR REPUBLIC DOORS DOOR/FRAME MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 12 SHT. 15.
- 4. FRAME CORNER WELD: CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM. GRIND, SMOOTH, PRIME, & PAINT. WELD CLASSIFICATION - E70XX. SEE SHEET 11 & 15 FOR DETAIL.

DESIGN PRESSURE RATING		
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED
POSITIVE	NOT APPROVED	+ 75 PSF
NEGATIVE	NOT APPROVED	- 75 PSF

LARGE MISSILE IMPACT RATING	
TEST STANDARD	IMPACT
FBC TAS 201/203	34 MPH (50 FPS)
ASTM E1886 AND ASTM E1996	LEVEL "D" 34 MPH (50 FPS)

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17	OPTION 2 ANCHORS - EXISTING WALL JAMB ANCHOR W/ LAG SCREW INTO WOOD STUD WALL & INTO CONCRETE WALL OR CMU
18	OPTION 2 ANCHORS - FRAMES BOLTED TO BUILDING STRUCTURE & POURED CONCRETE TILT WALL CONSTRUCTION
19	OPTION 2 ANCHORS - FRAMES WELDED TO STEEL STRUCTURE BUILDING



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

TITLE: OUTSWING DOUBLE FLUSH WITH PANIC DOOR HARDWARE (HVHZ)(IMPACT)

GENERAL NOTES & DESIGN PRESSURE TABLE

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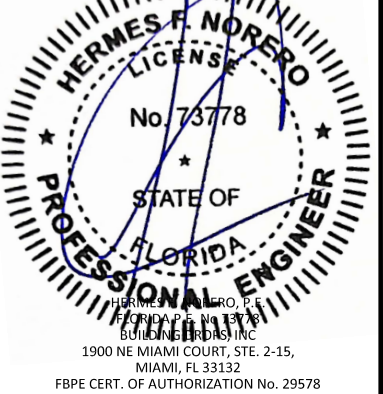
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
A. MISC UPDATES	DI	01/26

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.

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.03.08 11:19:21 -0500'



FL #:

FL16740

DATE: 09.30.2024

DWG. BY: JA CHK. BY: HN

SCALE: NTS

DWG. #: F1049DF

SHEET:

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OF 19

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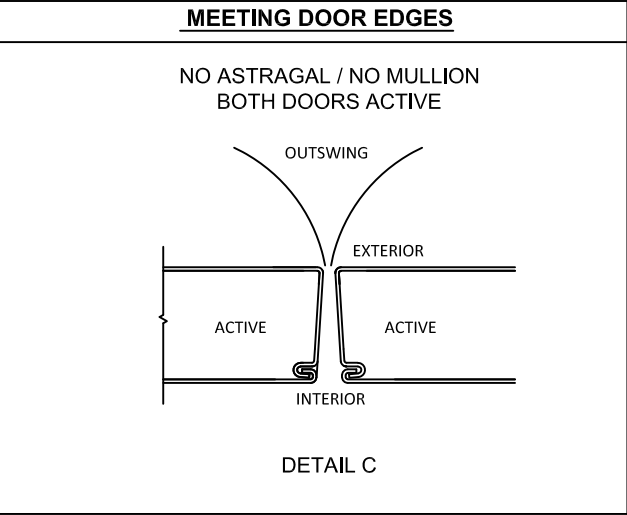
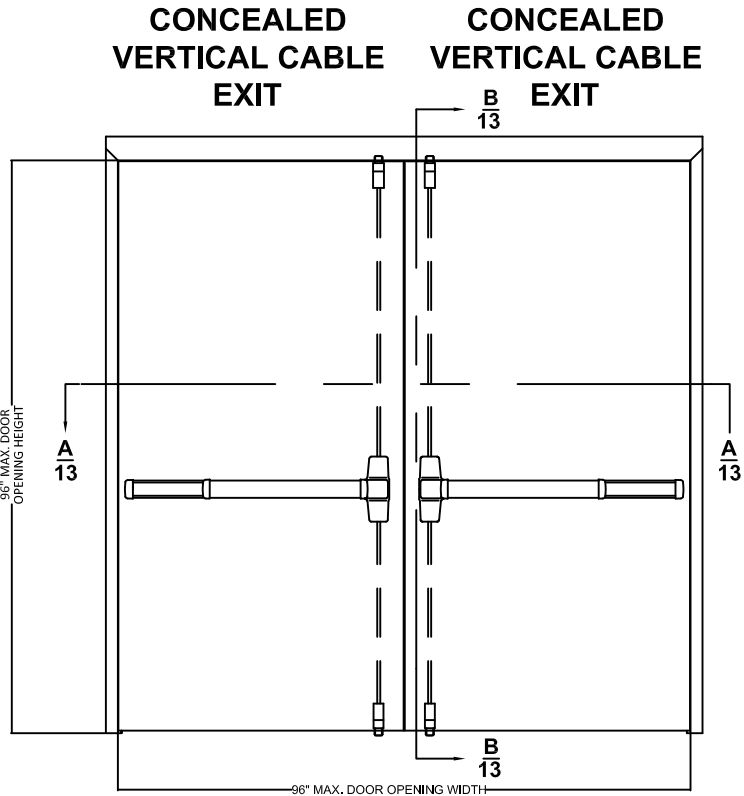


TABLE 1.

Door Configuration	Maximum Design Pressure, PSF		Maximum Door Opening Size, in.		Locking Hardware Description				Comments
	Positive	Negative	Width	Height	Hardware Family	Model/Series	Strike Models	Brand	
1 Double Door	75	75	96	96	Concealed Vertical Cable Exit Device	9849, 9949, 9849-F, 9949-F	249 Top, 349 Bottom	Von Duprin	Pair Doors
						3349A, 3549A, 3349A-F, 3549A-F	249 Top, 349 Bottom	Von Duprin	

NOTES:
1. SEE SHEETS 12 AND 13 FOR LOCKING HARDWARE DETAILS.



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

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ELEVATION & TABLE 1: DOOR CONFIG. & LOCKING HARDWARE

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15,
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

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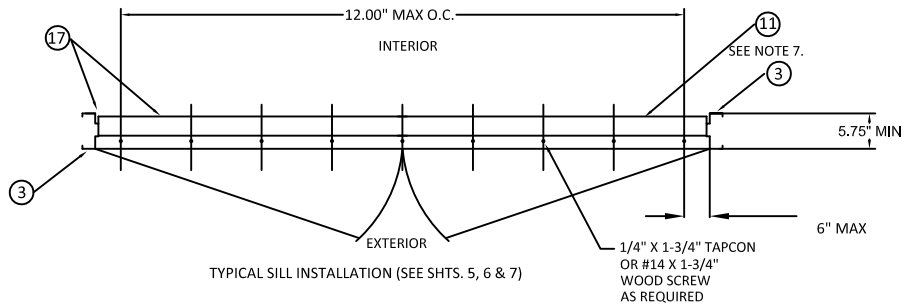
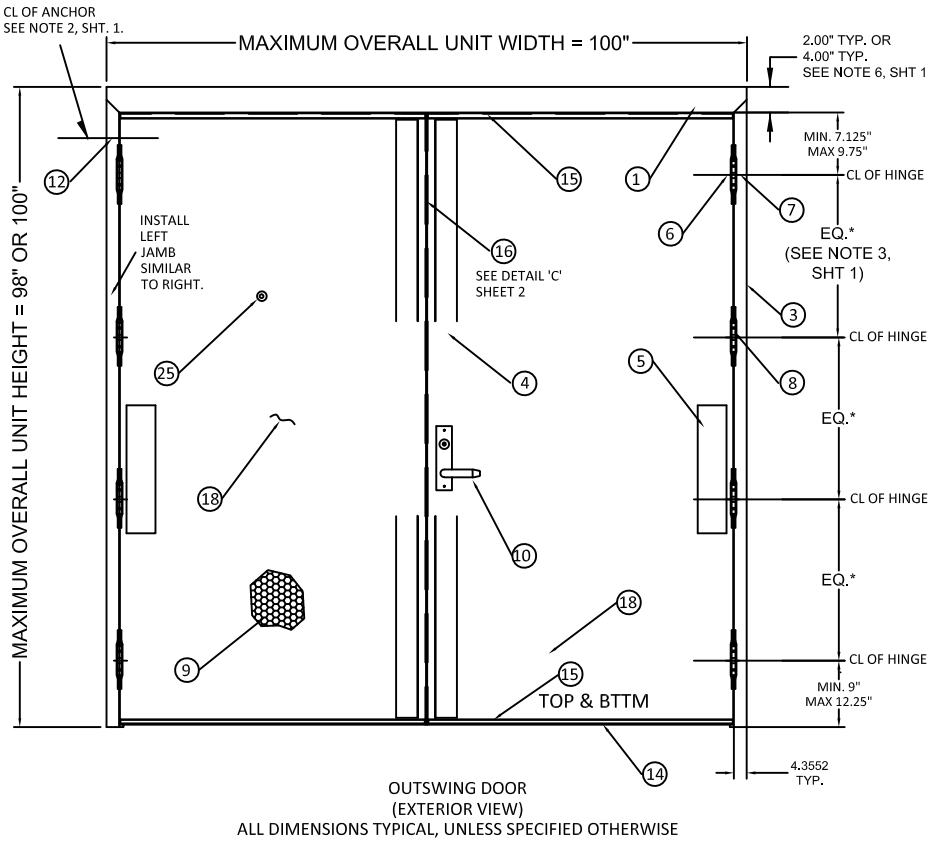


TABLE 2 (SEE TABLE 7, SHEET 14 FOR OPTION 2 CONFIGURATION)

	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	HEAD (SEE SHT. 11)	.053" MIN. STL.	MAX. 100"
2				
3	2	HINGE JAMB (SEE SHT. 11)	.053" MIN. STL.	MAX. 100" HEIGHT.
4	2	LOCK SIDE REINFORCEMENT CHANNEL	.093" MIN. STL.	MAX. 20"
5	2	HINGE SIDE PANIC REINFORCEMENT	.067" MIN. STL.	3.5 X 93.44 MAX.
6	NOTE 3.	HINGE REINFORCEMENT DOOR	.167" MIN. STL.	1.23" X 9.19" MIN.
7	1	HINGE REINFORCEMENT FRAME	.167" MIN. STL.	1.50" X 9.19" MIN.
8	NOTE 3.	BUTT HINGES (SEE SHT. 4)	.134 MIN.	(8) #12-24 MS PER HINGE
		OPTIONAL CONTINUOUS HINGE (SEE SHT. 4)	.067" MIN. STL/.11 ALUM	MAX. 95"
9	2	CORE MATERIAL (SEE SHT. 5):	D) HONEYCOMB C) STEEL STIFFENED A/F) POLYSTYRENE B/F) POLYURETHANE/POLYISOCYANURATE E) MINERAL BOARD TEMPERATURE RISE CORE	
10	1	LOCKING HARDWARE- SEE SHTS. 3, 12 & 13		
11	1	THRESHOLD SILL W/BUMPER GASKET (SEE SHT. 10)	ALUM. 6063 T5	48" MAX.
		1) ZERO 11A-T1)566A, 11B-T3)65A, 11C)568		
		2) NAT'L GUARD T2)950A, T4)803V	ALUM. 6063 T5	
12	NOTE 2.	JAMB ANCHOR	SEE SHTS. 6-9	
13	1	PSO74 WEATHER STRIPPING	TPE	MAX. 24'
14	2	FAS-SEAL DOOR SWEEP	TPE	MAX. 47.66"
15	4	END CHANNEL (16 GA-INVERTED)	.053" MIN. STL.	.62" X 1.66" X 47.66" MAX.
16	1	SPLIT ASTRAGAL SET	SEE SHT. 10	MAX. 95.75"
17	AS NEEDED	BUTYL RUBBER, SILICONE OR LATEX W/ SILICONE		
18	2	DOOR SLAB (16 OR 14 GA)	SEE SHT. 11	48" X 96" MAX.
19	1	BY ZERO INT'L DOOR SEAL A) 188S, B) 117S, C) 8145S, D) 8150S BY ZERO INT'L DOOR SEAL E) 8042	SILICONE	MAX. 24'
20	VARIES	BY ZERO INT'L DOOR SWEEP NO.539	TPE	MAX. 96"
21	2	BY ZERO INT'L DOOR SWEEP A)139, B) 328, C)39	SEE SHT. 10	MAX. 48"
22	2	BY ZERO INT'L ADJUSTABLE STOP NO.475	TPE	MAX. 48"
23	VARIES	BY ZERO INT'L A) RAIN DRIP 142 BY ZERO INT'L B) RAIN DRIP 11	SEE SHT. 10 SEE SHT. 10	MAX. 100" MAX. 48"
24	1	24A) TOP CAP GALV. A60 24B) 18 GA DOOR FLUSH TOP CAP	.020" MIN. STL. .047" MIN. STL.	48" MAX.
25	2	VIEWER IVES U698/698		.56 DIAMETER HOLE IN DOOR



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

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PANIC DOOR HARDWARE
(HVFH2)(IMPACT)

STEELCRAFT DOUBLE DOORS
OUTSWING CONFIGURATIONS & BOM

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

REMARKS	BY	DATE
A. MISC UPDATES	DI	01/26

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SCALE: **NTS**

DWG. #: **F1049DF**

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3

OF 19

TITLE: OUTSWING DOUBLE FLUSH WITH
PANIC DOOR HARDWARE
(HVVHZ)/(IMPACT)

REINFORCEMENT & HINGE DETAILS

PREPARED BY:

BUILDING DROPS, INC.

9900 NE MIAMI COURT, STE. 2-15

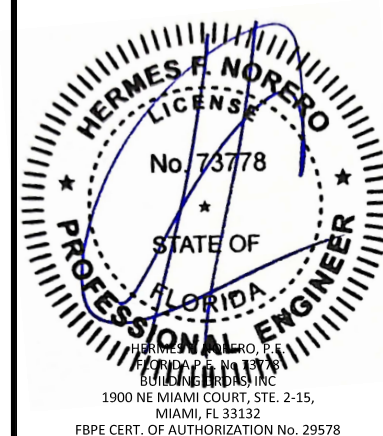
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PH: (954)399-8478

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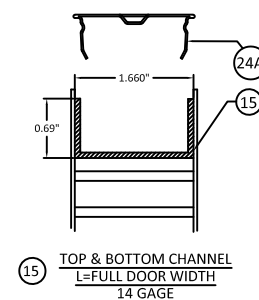
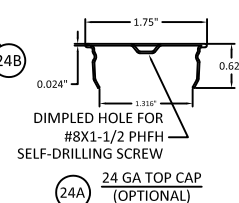
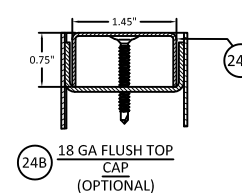
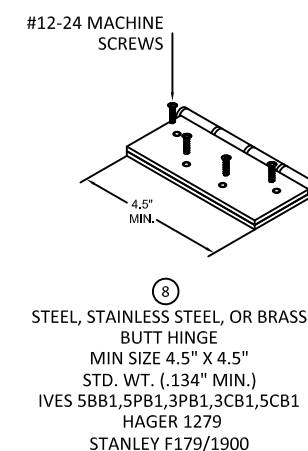
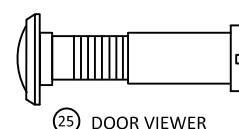
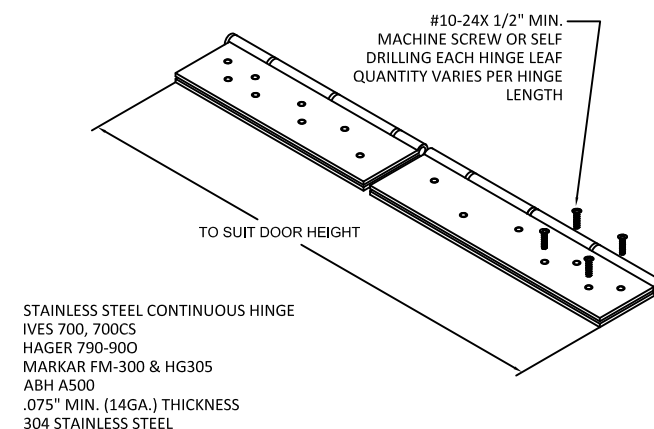
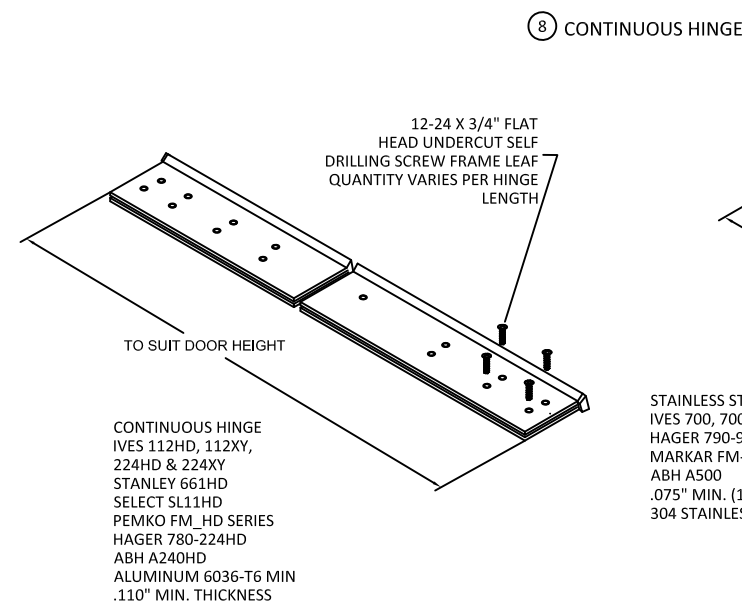
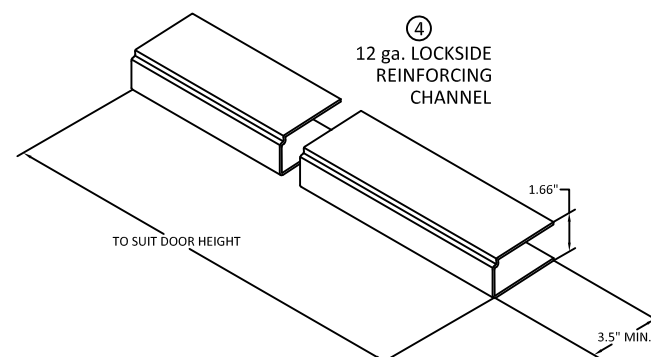
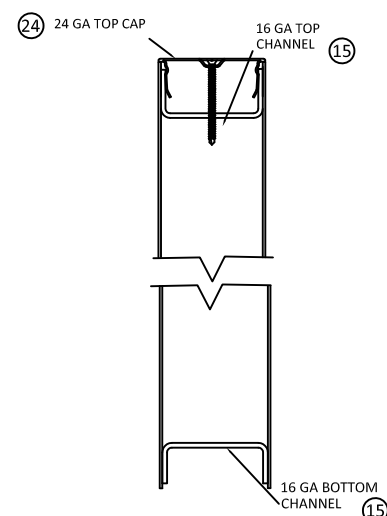
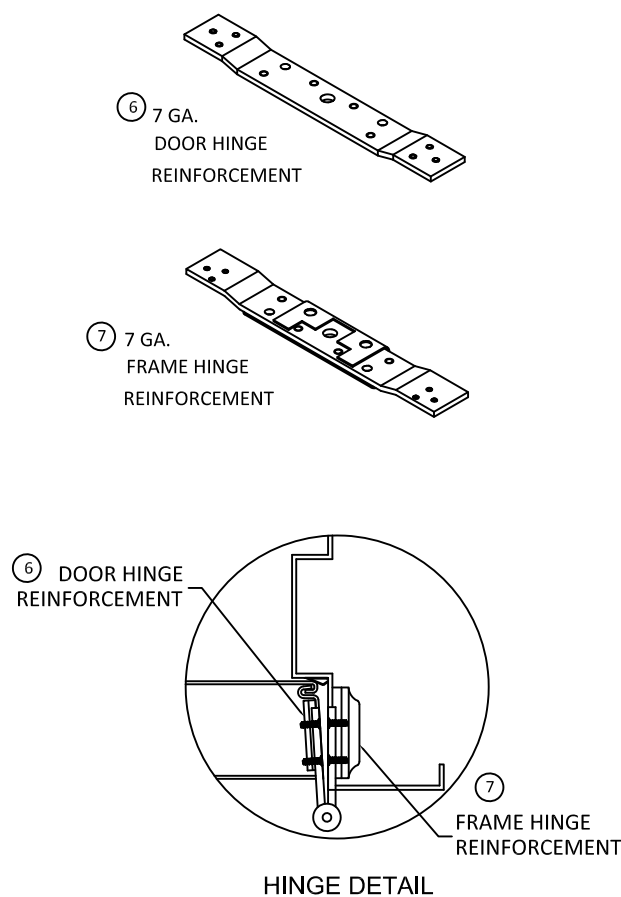
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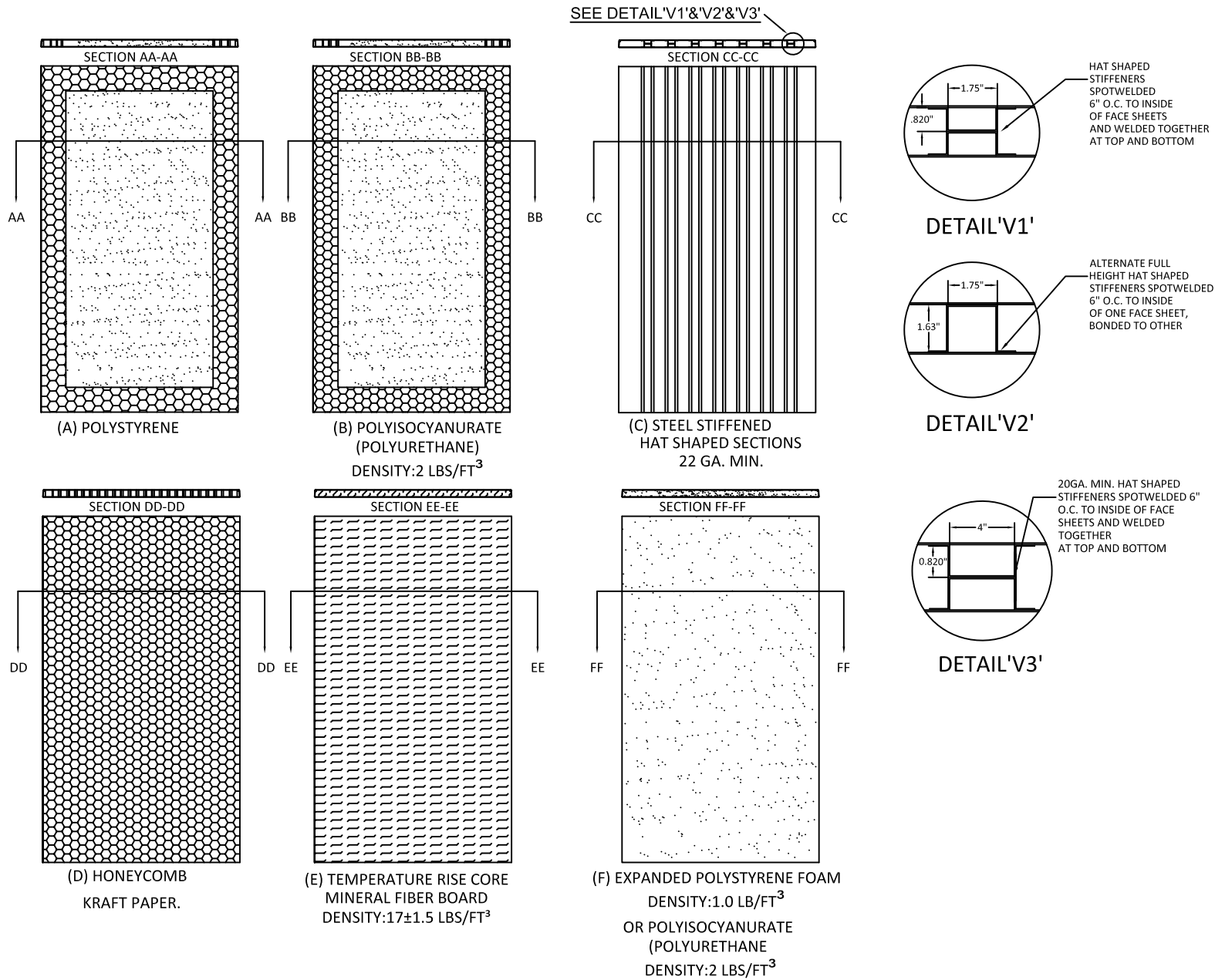
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HINGE NOTES:

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. DOORS AND FRAMES DO NOT REQUIRE ADDITIONAL REINFORCEMENT WITH A CONTINUOUS HINGE.

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NOTES:
1. CORE MATERIAL SHOWN WITHOUT DOOR CUTOUTS AND REINFORCEMENTS.



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

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CORE OPTIONS

PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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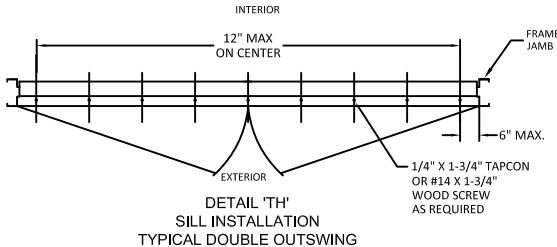
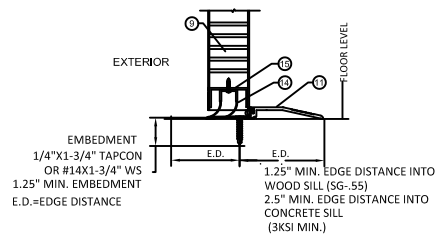
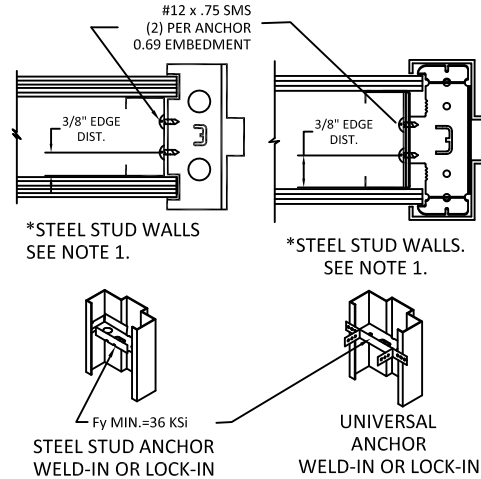
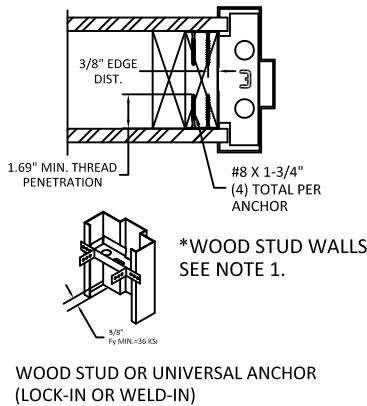
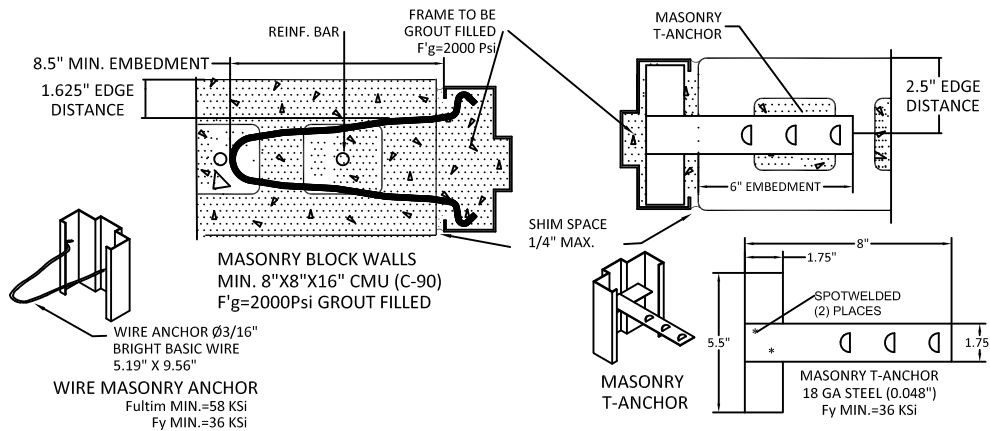
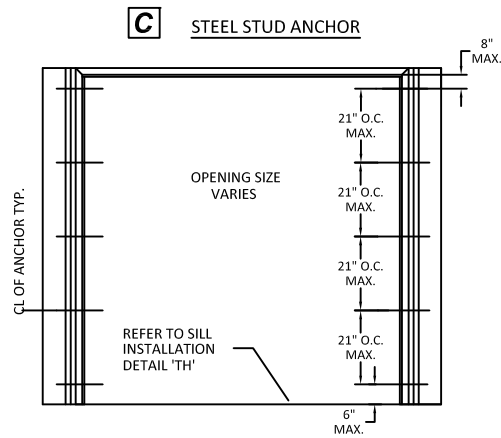
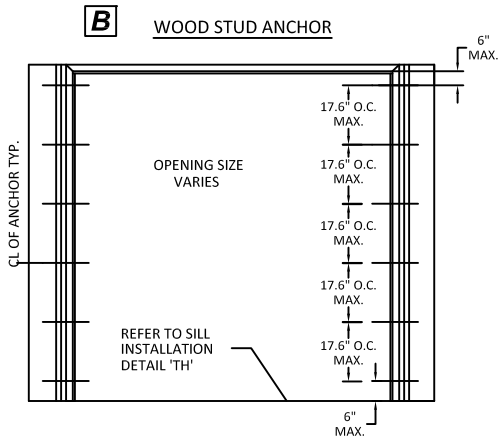
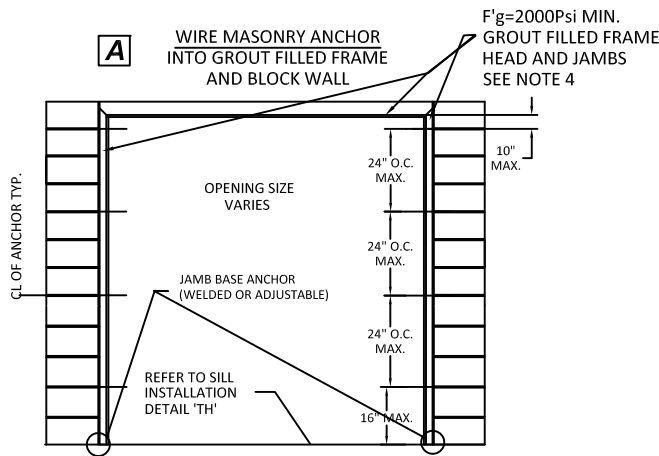
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SHEET:	5

SEE SHTS. 16-19 FOR
OPTION 2 ANCHOR DETAILS



- NOTES:
1. WOOD OR STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY THE APPROPRIATE LOAD TO MEET THE REQUIREMENTS OF THE BUILDING CODE. WOOD MIN. S.G. = 0.55. STEEL MIN. 18 GA. Fy=33KSI
 2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
 3. APPLY CAULK AS NEEDED.
 4. FRAMES WITH 4" FACE HEAD MUST HAVE HEAD GROUTED FULL. 4" FACE HEAD CAN BE USED WITH ALL WALL TYPES.



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OPTION 1 ANCHORS - WOOD STUD
JAMB ANCHOR, STEEL STUD JAMB
ANCHOR, & WIRE MASONRY ANCHOR

PREPARED BY:

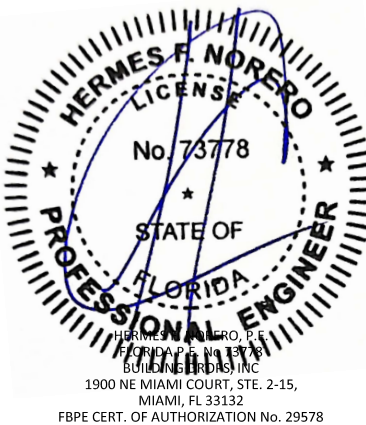
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DWG. BY:
JA

CHK. BY:
HN

SCALE: NTS

DWG. #: F1049DF

SHEET:

6



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

**TITLE: OUTSWING DOUBLE FLUSH WITH
PANIC DOOR HARDWARE
(HVHZ)(IMPACT)**

OPTION 1 ANCHORS - EXISTING WALL JAMB
ANCHOR W/ LAG SCREW INTO WOOD STUD
WALL & INTO CONCRETE WALL OR CMU!

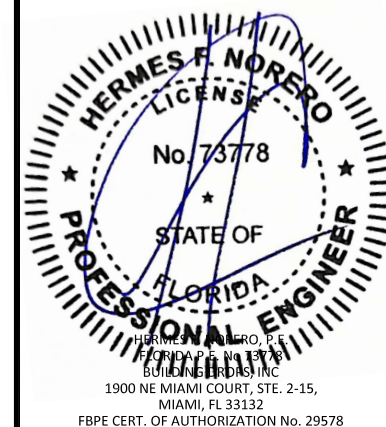
PREPARED BY:

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



REMARKS	BY	DATE
A. MISC UPDATES	DI	01/20

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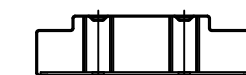
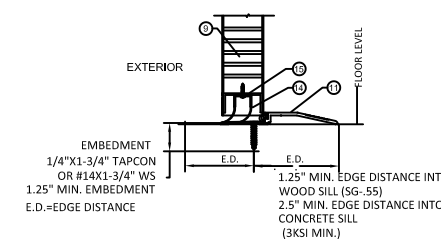
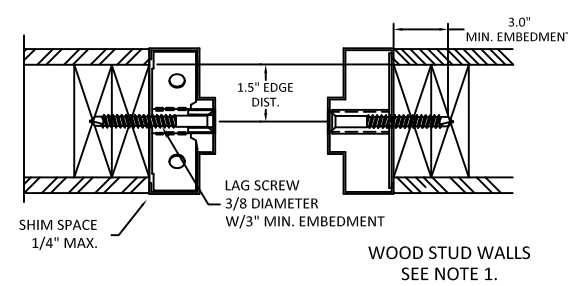
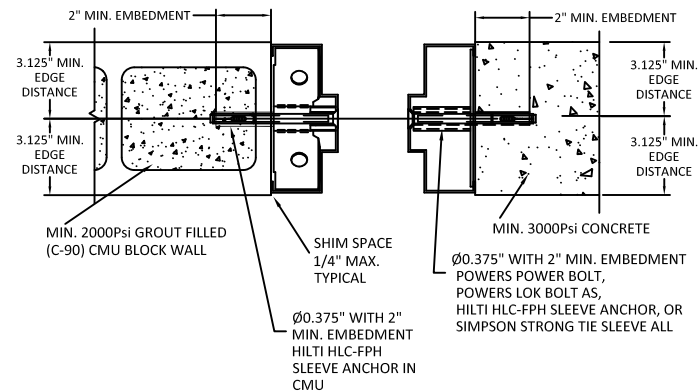
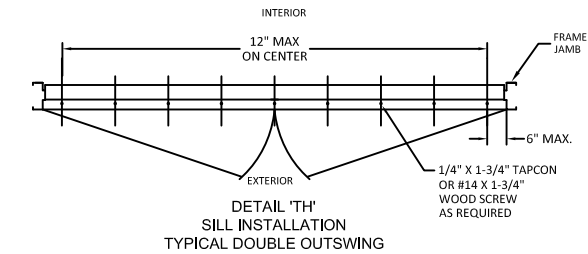
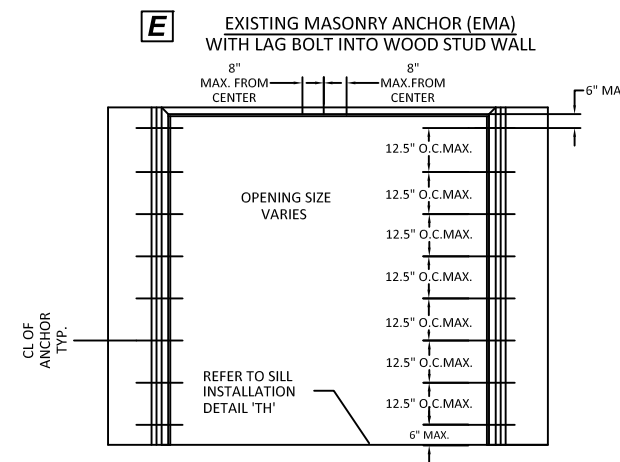
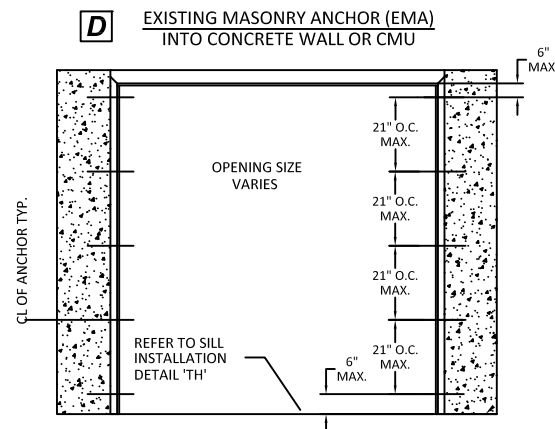
SCALE: **NTS**

DWG. #: F1049DF

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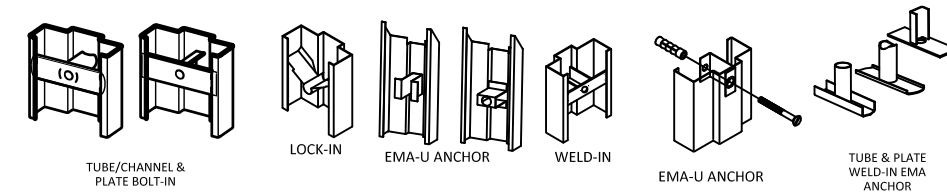
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OF 19



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

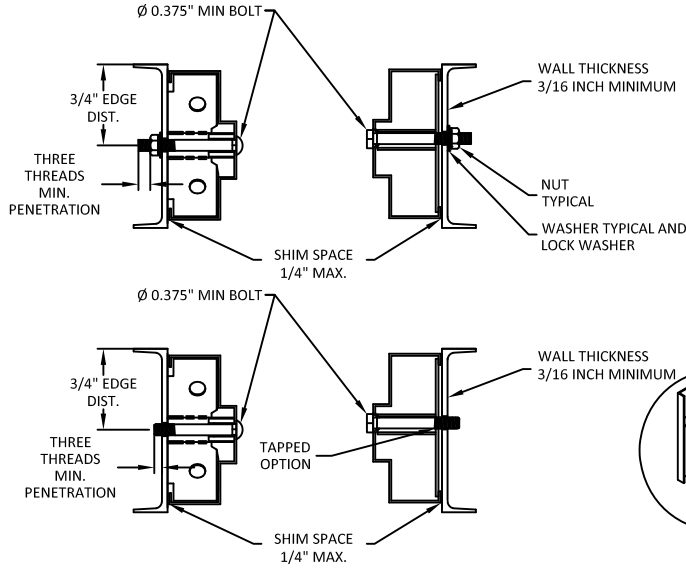
NOTE:
1. 3/8" LAG SCREWS TO BE MIN. SAE GRADE 2 OR EQUIVALENT



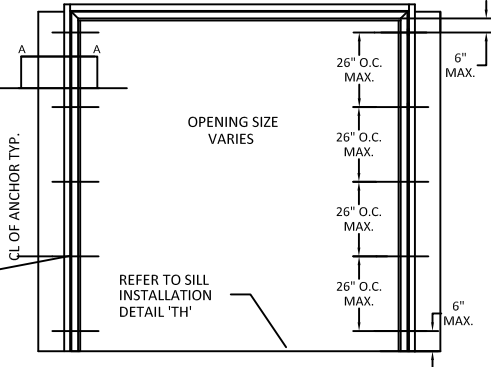
NOTES:

1. WOOD OR STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY THE APPROPRIATE LOAD TO MEET THE REQUIREMENTS OF THE BUILDING CODE. WOOD MIN. S.G. = 0.55. STEEL MIN. 18 GA. $F_y=33KSI$
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. APPLY CAULK AS NEEDED.
4. FRAMES WITH 4" FACE HEAD MUST HAVE HEAD GROUTED FULL. 4" FACE HEAD CAN BE USED WITH ALL WALL TYPES.

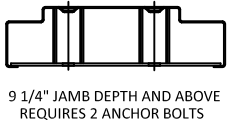
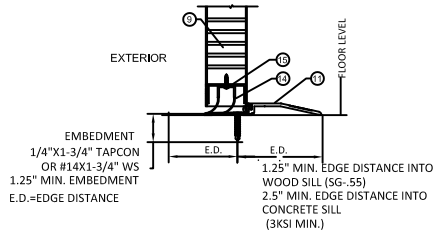
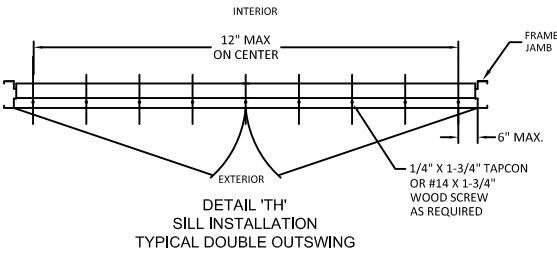
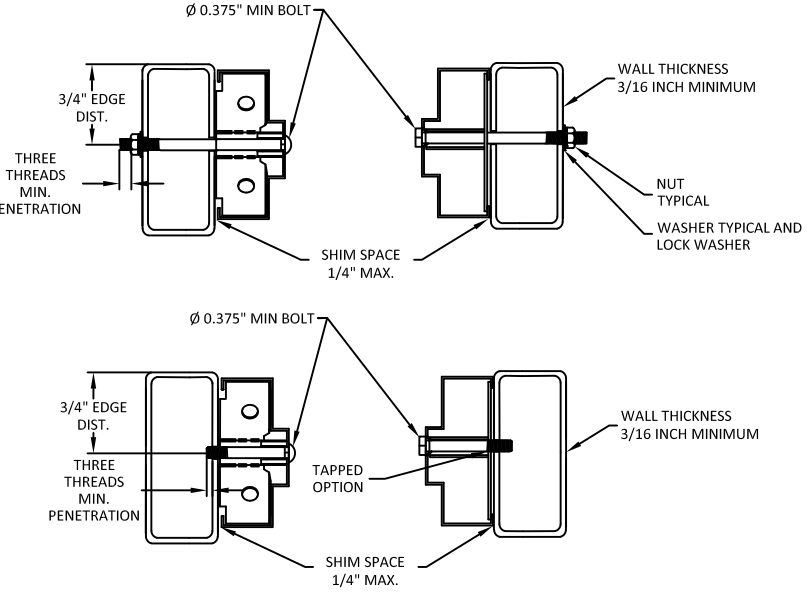
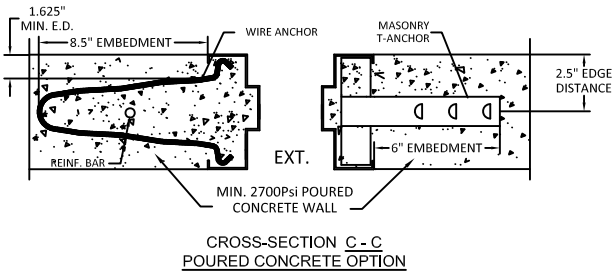
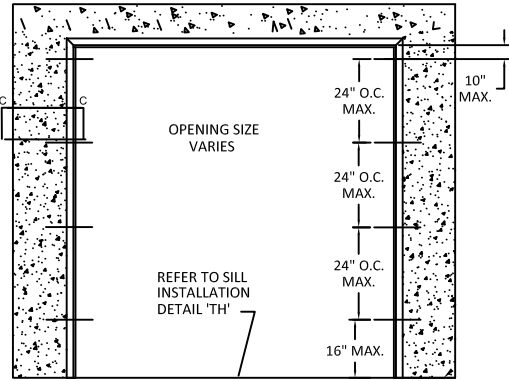
SEE SHTS. 16-19 FOR
OPTION 2 ANCHOR DETAILS



F FRAMES BOLTED TO BUILDING STRUCTURE



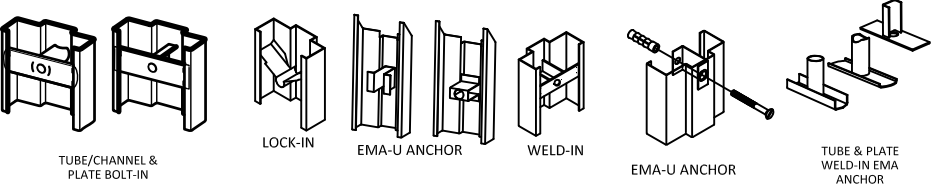
G POURED CONCRETE
TILT UP WALL



CROSS-SECTION
A-A
BOLTED TO STRUCTURAL STEEL OPTION

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

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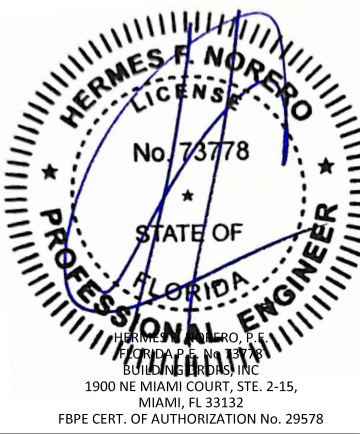


ALLEGION-SCHLAGE LOCK COMPANY, LLC
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: OUTSWING DOUBLE FLUSH WITH
PANIC DOOR HARDWARE
(HVVHZ)(IMPACT)
OPTION 1 ANCHORS - FRAMES BOLTED TO
BUILDING STRUCTURE & POURED CONCRETE
TILT WALL CONSTRUCTION
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
A. MISC UPDATES	DI	01/26

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SEE SHTS. 16-19 FOR
OPTION 2 ANCHOR DETAILS



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

TITLE: OUTSWING DOUBLE FLUSH WITH
PANIC DOOR HARDWARE
(HVHZ)(IMPACT)

OPTION 1 ANCHORS - FRAMES WELDED TO
STEEL STRUCTURE BUILDING

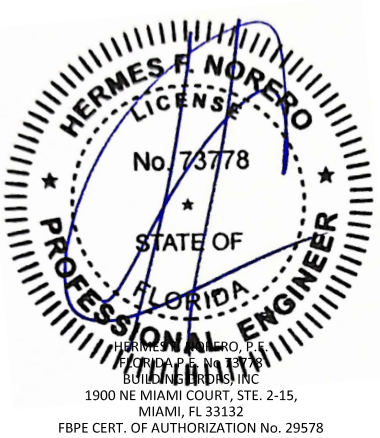
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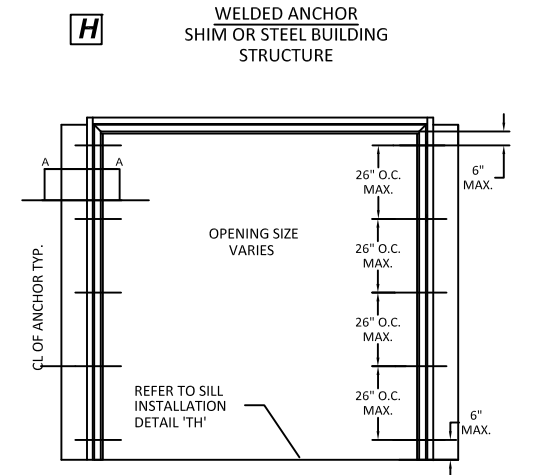
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HN

SCALE: NTS

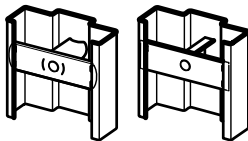
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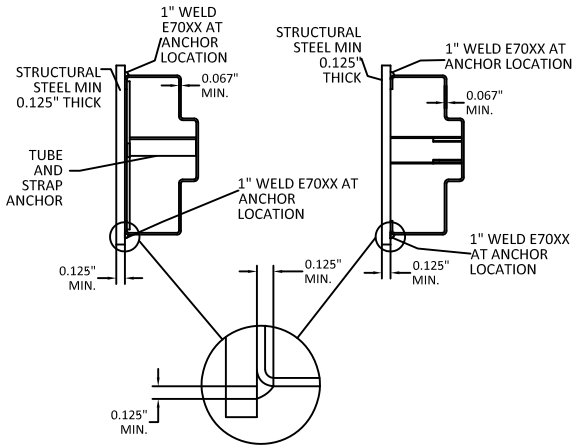
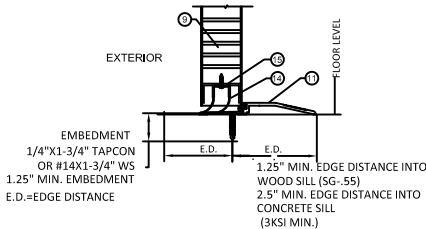
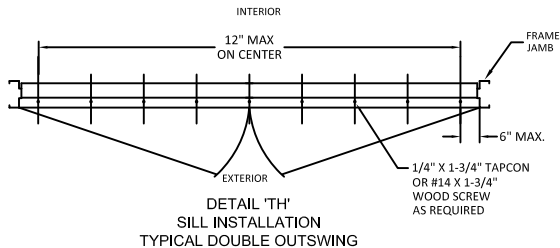
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9 1/4" JAMB DEPTH AND ABOVE
REQUIRES 2 ANCHOR BOLTS



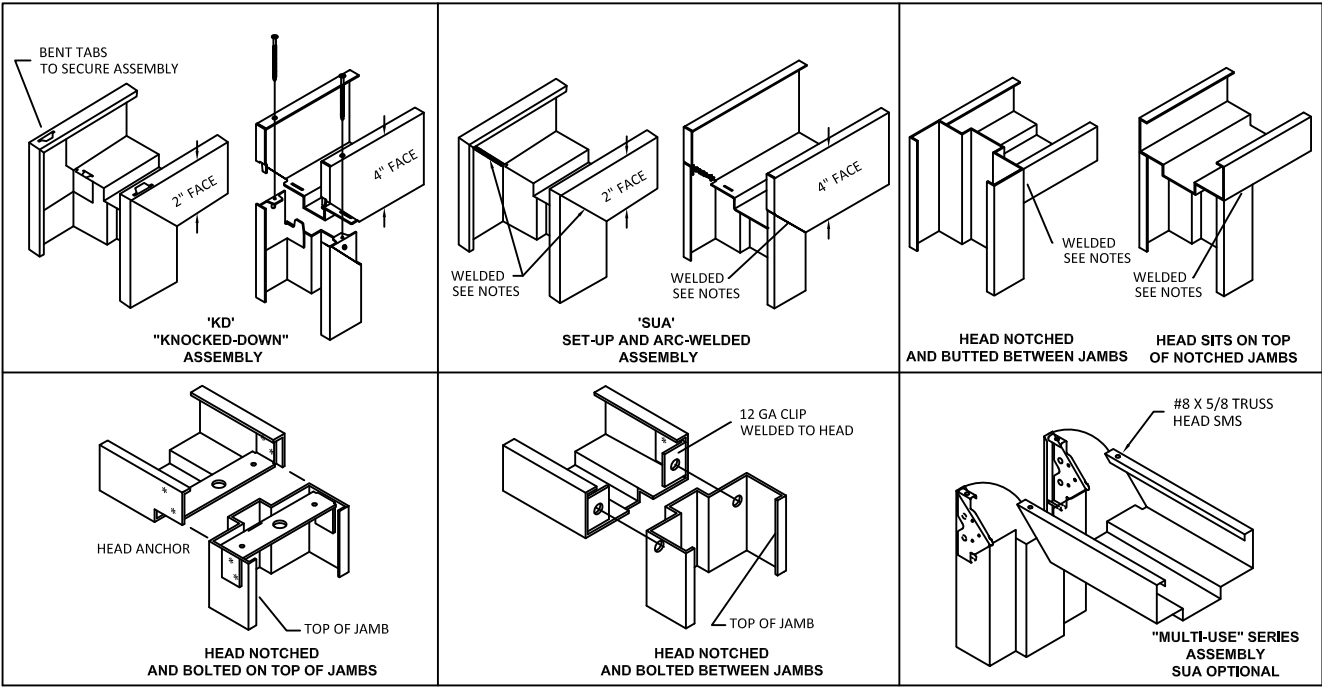
TUBE/CHANNEL &
PLATE BOLT-IN



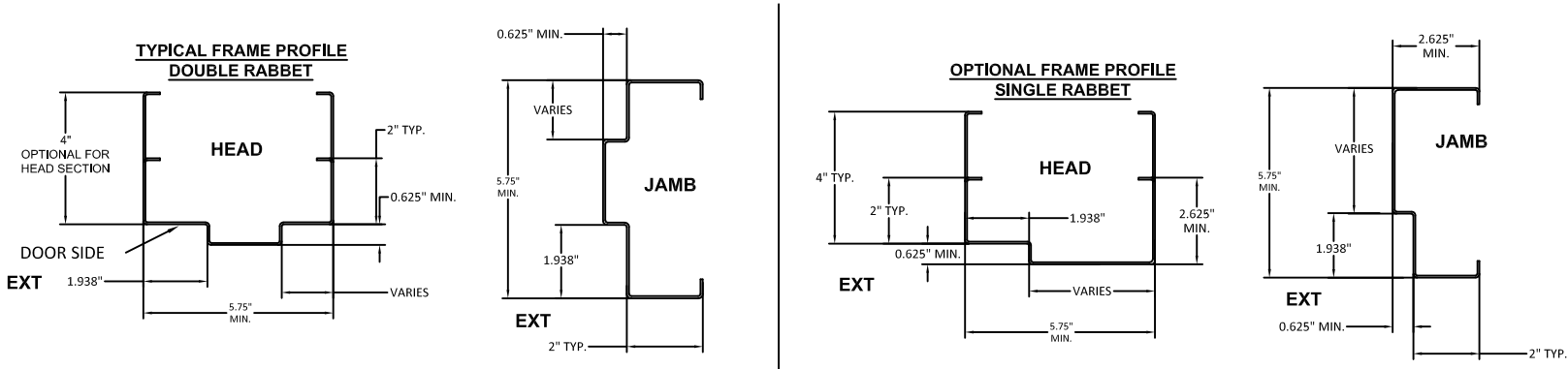
CROSS-SECTION
A - A
WELDED TO STEEL STRUCTURE

- NOTES:
- 1.STRUCTURAL MEMBERS MUST BE DESIGNED TO CARRY APPROPRIATE LOAD, 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.BOTH JAMBS MUST HAVE EQUAL NUMBER OF ANCHORS.
 4. APPLY CAULK AS NEEDED.
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WELDING NOTES:
1. CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM, GRIND SMOOTH AND PRIME PAINT. WELD CLASSIFICATION - E70XX



AVAILABLE DOOR PANEL CONFIGURATIONS

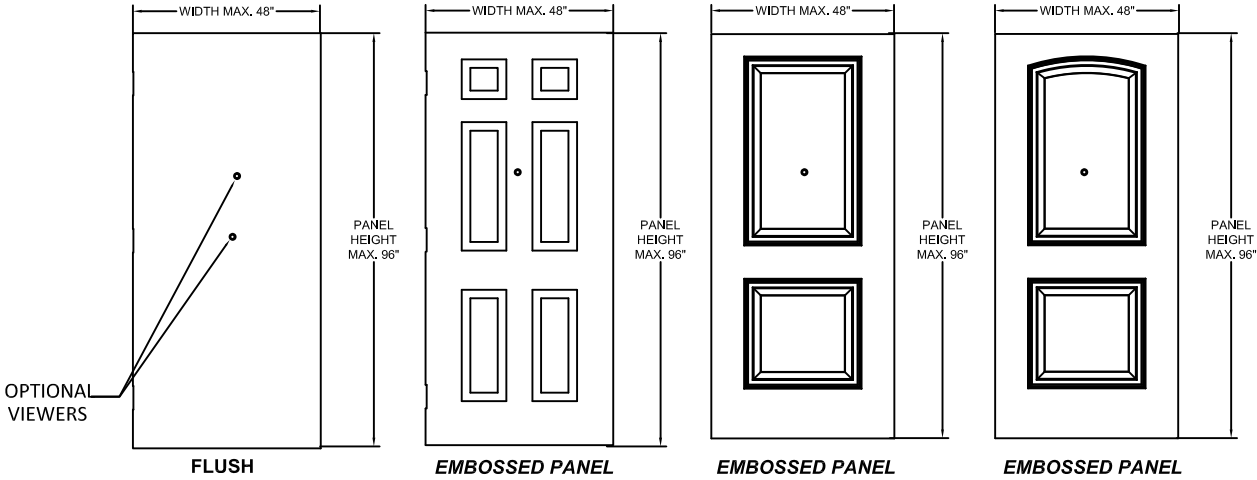


TABLE 4. AVAILABLE STEELCRAFT H-SERIES DOOR CONFIGURATIONS

STEELCRAFT H-SERIES DOOR CORE MATERIAL PER SHT. 5	MAXIMUM OPENING SIZE		SKIN MATERIAL	
	WIDTH	HEIGHT	DESCR.	GA./MIN. THK
HONEYCOMB POLYSTYRENE POLYURETHANE (POLYISOCYANURATE) TEMPERATURE RISE STEEL STIFFENED	8'-0"	8'-0"	CRS GALV	16/.053" 14/.067"

TABLE 5. AVAILABLE STEELCRAFT FRAME CONFIGURATIONS

FRAME SERIES	JAMB DEPTH	MAXIMUM 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"
				STAINLESS STEEL	16/.053"
MU	5.75" MIN.	8'-0"	8'-0"	CRS/HRS GALV	16/.053" 14/.067"

TABLE 6. STEEL MECHANICAL PROPERTIES

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



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TITLE: OUTSWING DOUBLE FLUSH WITH
PANIC DOOR HARDWARE
(H-VHZ)(IMPACT)

FRAME DETAILS & CORNER
CONSTRUCTION

PREPARED BY:

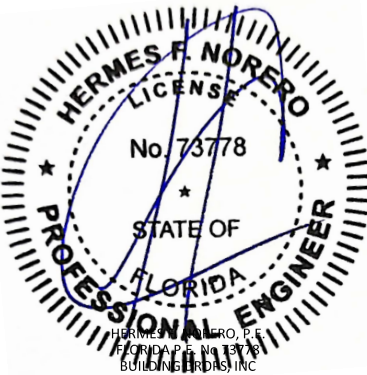
BUILDING DROPS, INC.

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HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15,
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

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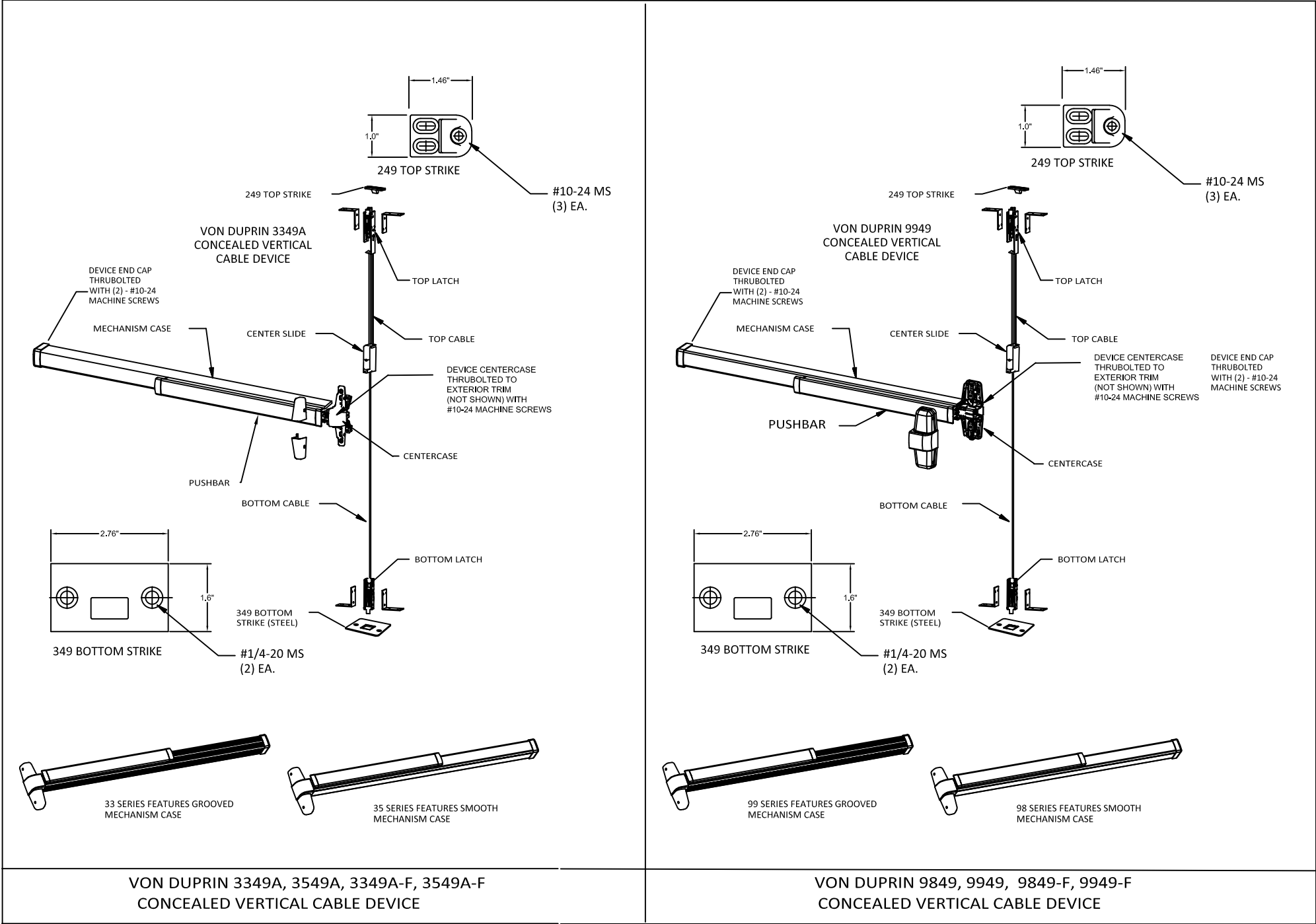
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SCALE: **NTS**

DWG. #: **F1049DF**

SHEET:

11



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

TITLE: OUTSWING DOUBLE FLUSH WITH
PANIC DOOR HARDWARE
(HVHZ)(IMPACT)

LOCKING HARDWARE DETAILS

PREPARED BY:

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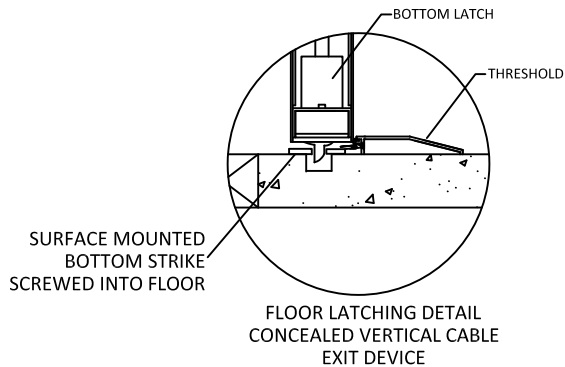
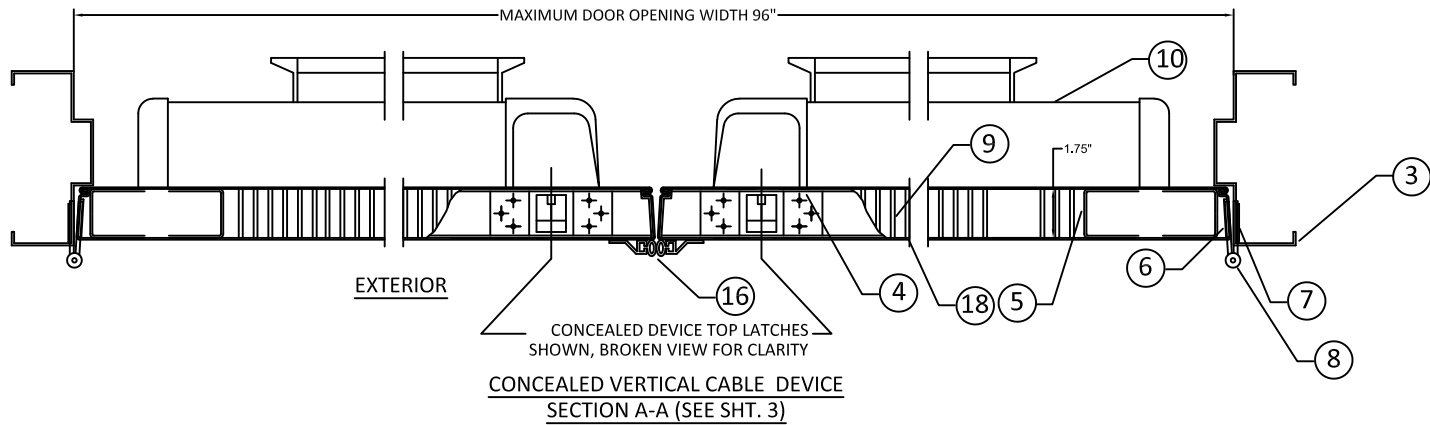
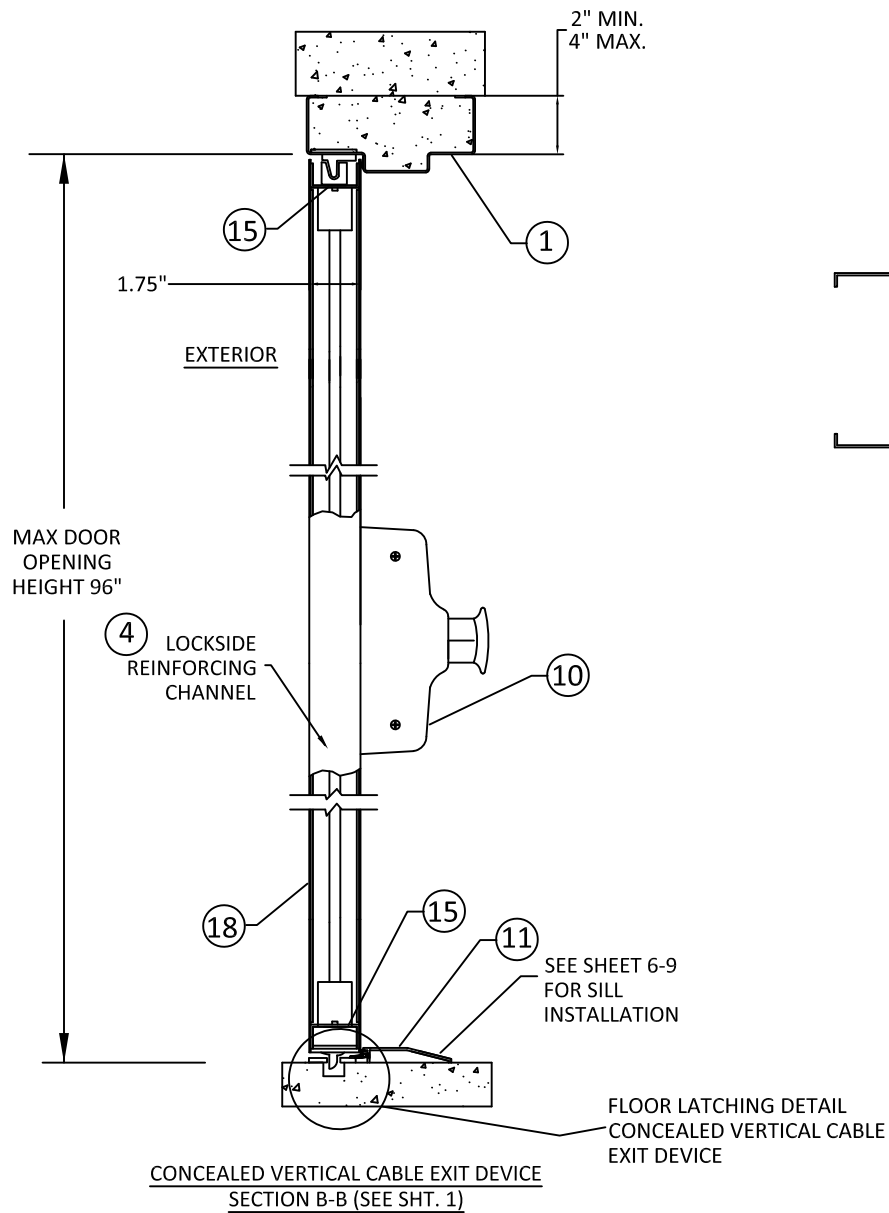
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ALLEGION-SCHLAGE LOCK COMPANY, LLC
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CARMEL, IN 46032
PH: (317) 715-4073

TITLE: OUTSWING DOUBLE FLUSH WITH PANIC DOOR HARDWARE (HVHZ)(IMPACT)

STEELCRAFT SINGLE OPENING INSWING & OUTSWING SECTION VIEWS

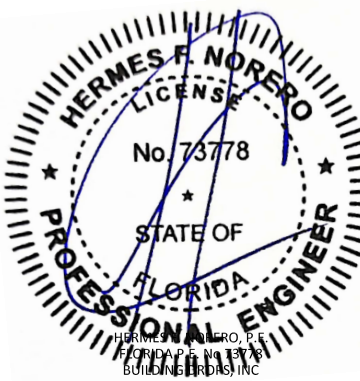
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1900 NE MIAMI COURT, STE. 2-15,
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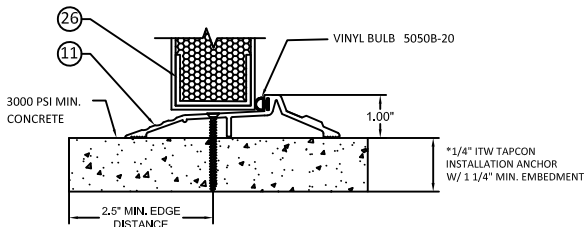
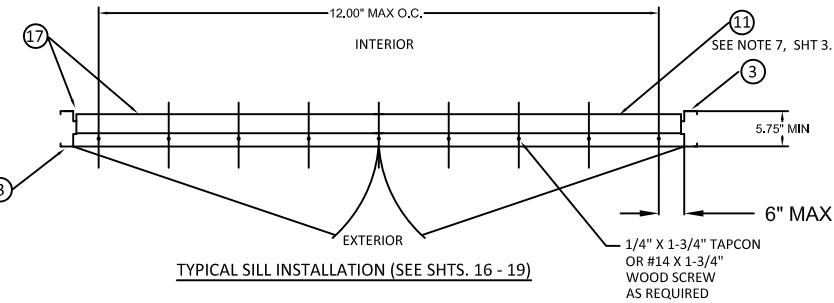
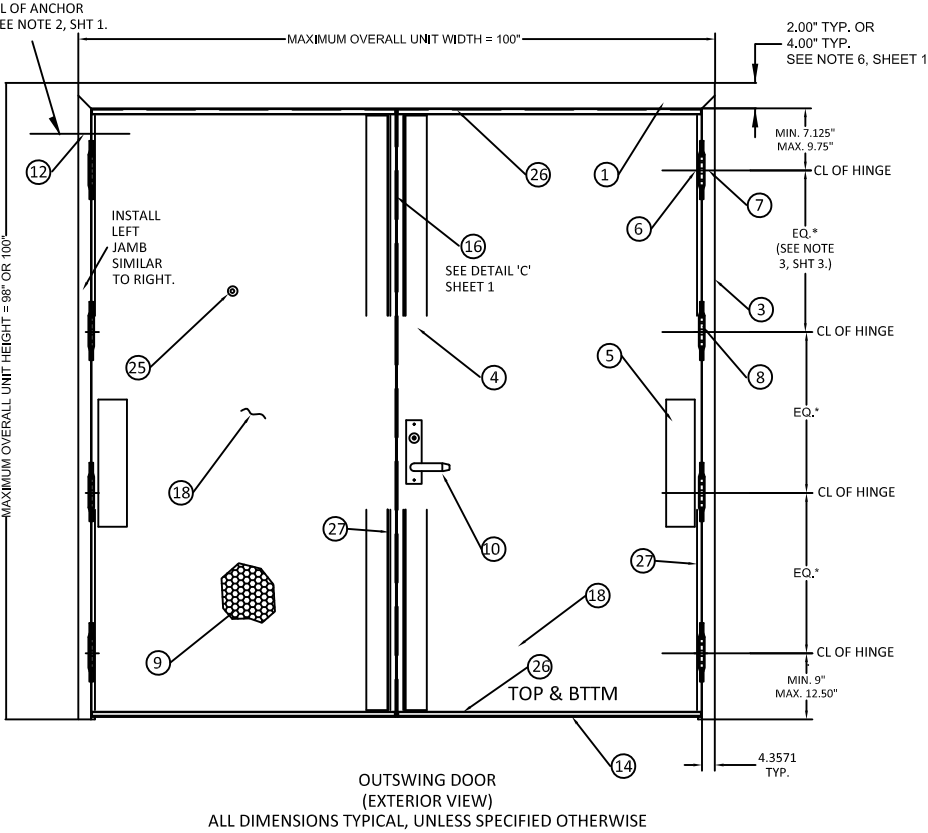
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13

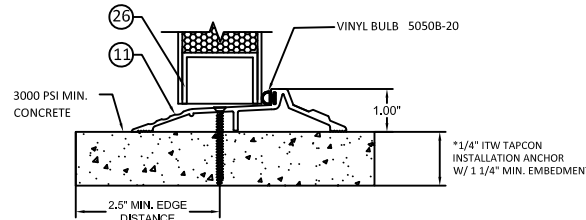
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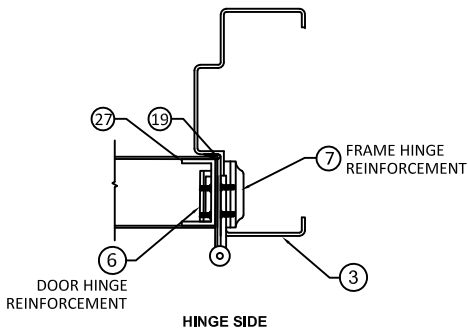
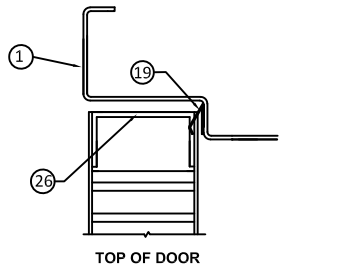
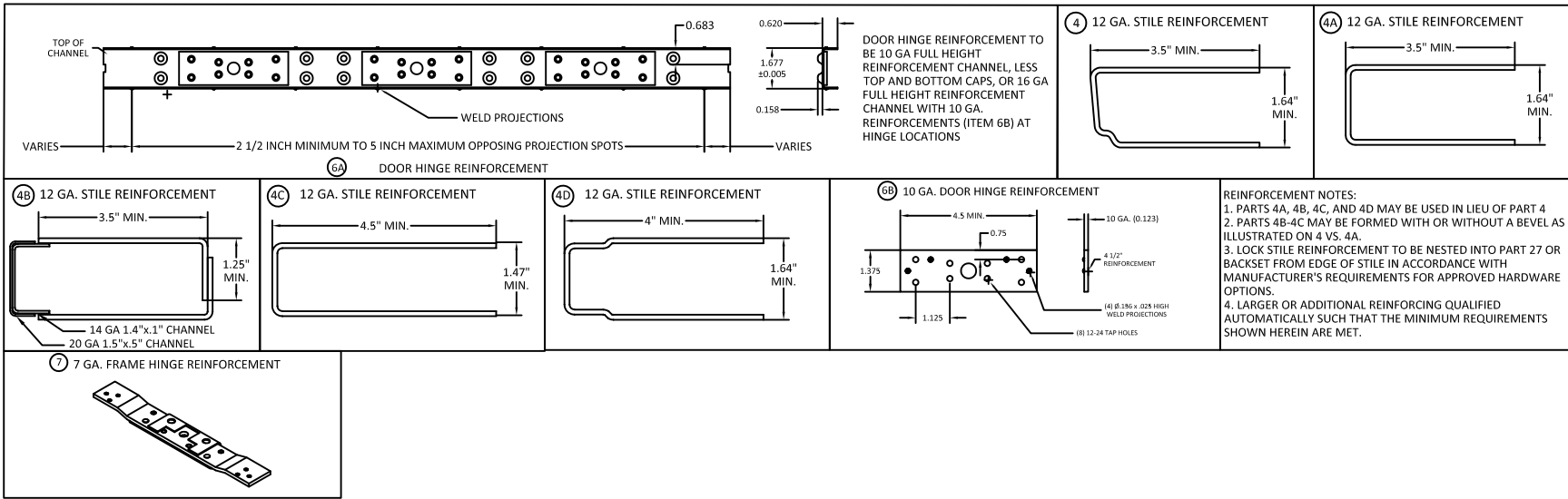


OPTIONAL THRESHOLD DETAIL (SILL) WITH FLUSH BOTTOM RAIL

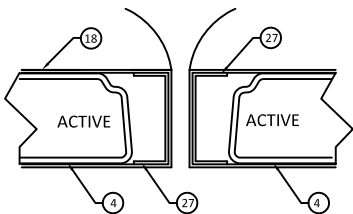
*NOTE: 803V THRESHOLD MAY BE INSTALLED WITH #12 WOOD SCREW TYPE INSTALLATION ANCHORS WHEN INTO 2X WOOD BUCK SUBSTRATES (MIN. SG= 0.55) WITH MINIMUM 1-1/2" EMBEDMENT AND MINIMUM 3/4" EDGE DISTANCE.



OPTIONAL THRESHOLD DETAIL (SILL) WITH INVERTED BOTTOM RAIL



NO ASTRAGAL / NO MULLION
BOTH DOORS ACTIVE



SEE SHT. 10 FOR ADDITIONAL
PERIMETER SEAL DETAILS

TABLE 7 (SEE TABLE 2, SHEET 3 FOR OPTION 1 CONFIGURATION)

	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	HEAD (SEE SHT. 15)	.053" MIN. STL.	MAX. 100"
2				
3	2	HINGE JAMB (SEE SHT. 15)	.053" MIN. STL.	MAX. 100" HEIGHT.
4	2	LOCK SIDE REINFORCEMENT CHANNEL	.093" MIN. STL.	3.5 X 93.44 MAX.
5	2	HINGE SIDE PANIC REINFORCEMENT	.067" MIN. STL.	MAX. 20"
6	NOTE 3, SHT 1	HINGE REINFORCEMENT DOOR	.167" MIN. STL.	1.23" X 9.19" MIN.
6A	NOTE 3, SHT 1	HINGE REINFORCEMENT DOOR	.053" MIN. STL.	1.677" X FULL LENGTH - END CHNLS
6B	NOTE 3, SHT 1	HINGE REINFORCEMENT DOOR	.123" MIN. STL.	1.375 X 4.5 MIN.
7	1	HINGE REINFORCEMENT FRAME	.167" MIN. STL.	1.50" X 9.19" MIN.
8	NOTE 3, SHT 1	BUTT HINGES (SEE SHT 4.)	.134 MIN.	(8) #12-24 MS PER HINGE
		OPTIONAL CONTINUOUS HINGE (SEE SHT. 4)	.067" MIN. STL./12 ALUM	MAX. 95"
9	2	CORE MATERIAL (SEE SHT. 5): D) HONEYCOMB C) STEEL STIFFENED A/F) POLYSTYRENE B/F) POLYURETHANE/POLYISOCYANURATE E) MINERAL BOARD TEMPERATURE RISE CORE		
10	2	LOCKING HARDWARE- SEE SHTS. 2, 12 & 13		
		THRESHOLD SILL W/BUMPER GASKET (SEE SHT. 10)		
11	1	11A) ZERO 566A, 11B) ZERO 65A	.100" ALUM. 6063 T5	5.0" MIN. X 0.5" X 96" MAX.
		11C) ZERO 568A	.125" ALUM. 6063 T5	6.0" MIN. X 0.5" X 96" MAX.
12	NOTE 3, SHT 1	JAMB ANCHOR	ALUM. 6063 T5	96" MAX.
13		SEE SHTS. 16-19		
14	2	PSO74 WEATHER STRIPPING	TPE	MAX. 24'
15		FAS-SEAL DOOR SWEEP	TPE	MAX. 47.66"
16	1	ZERO SPLIT ASTRAGAL SET 16A)328, 16B)326, 16C)8194		
17	AS NEEDED	BUTYL RUBBER, SILICONE OR LATEX W/ SILICONE	SEE SHT. 10	
18	2	DOOR SLAB (16 OR 14 GA)		48" X 96" MAX.
19	1	BY ZERO INT'L SEAL A)188S, B)117S, C)8145S, D)8150S, E)8042S	SILICONE	MAX. 24'
20	VARIES	BY NGP DOOR SEAL NO.5020		MAX. 96"
		BY ZERO INT'L DOOR SWEEP NO.539	TPE	MAX. 48"
21	2	BY NGP DOOR SEAL NO.202N		
		BY ZERO INT'L DOOR SWEEP 21A)139, 21B) 328, 21C)39	TPE	MAX. 48"
22	VARIES	BY NGP DOOR SEAL NO.200N		
		BY ZERO INT'L ADJUSTABLE STOP NO.475	TPE	MAX. 48"
		BY NGP ADJUSTABLE STOP NO.170N		
23	1	BY ZERO INT'L 23A) RAIN DRIP 142	SEE SHT. 10	MAX. 100"
	2	BY ZERO INT'L 23B) RAIN DRIP 11	SEE SHT. 10	MAX. 48"
24				
25	2	VIEWER IVES U698/698		.56 DIAMETER HOLE IN DOOR
26	4	END CHANNEL (16 GAUGE - INVERTED OR FLUSH)	.053" MIN. STL.	.62" X 1.66" X 47.66" MAX.
27	4	END CHANNEL (16 GAUGE MIN)	.053" MIN. STL.	.62" X 1.66" X 48" MAX.
28	NOTE 3, SHT 1	HINGE REINFORCEMENT FRAME	.149" MIN. STL.	1.23" X 9.19." MIN.



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

TITLE: OUTSWING DOUBLE FLUSH WITH
PANIC DOOR HARDWARE
(HVFH2)(IMPACT)

REPUBLIC DOORS: GLASS DOUBLE
DOORS OUTSWING CONFIGURATIONS

PREPARED BY:

BUILDING DROPS, INC.

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



REMARKS	BY	DATE
A. MISC UPDATES	DI	01/26

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FL #:

FL16740

DATE: 09.30.2024

DWG. BY: JA
CHK. BY: HN

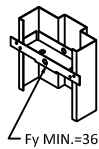
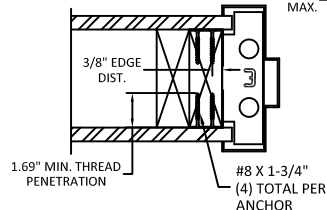
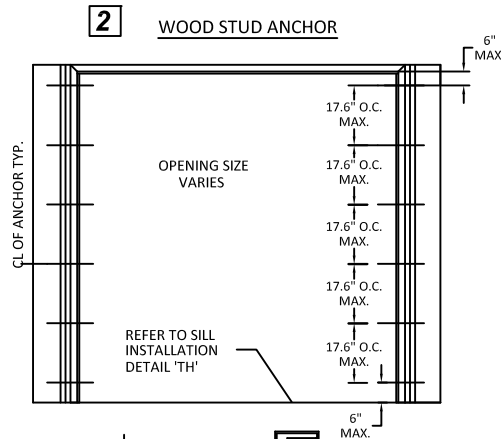
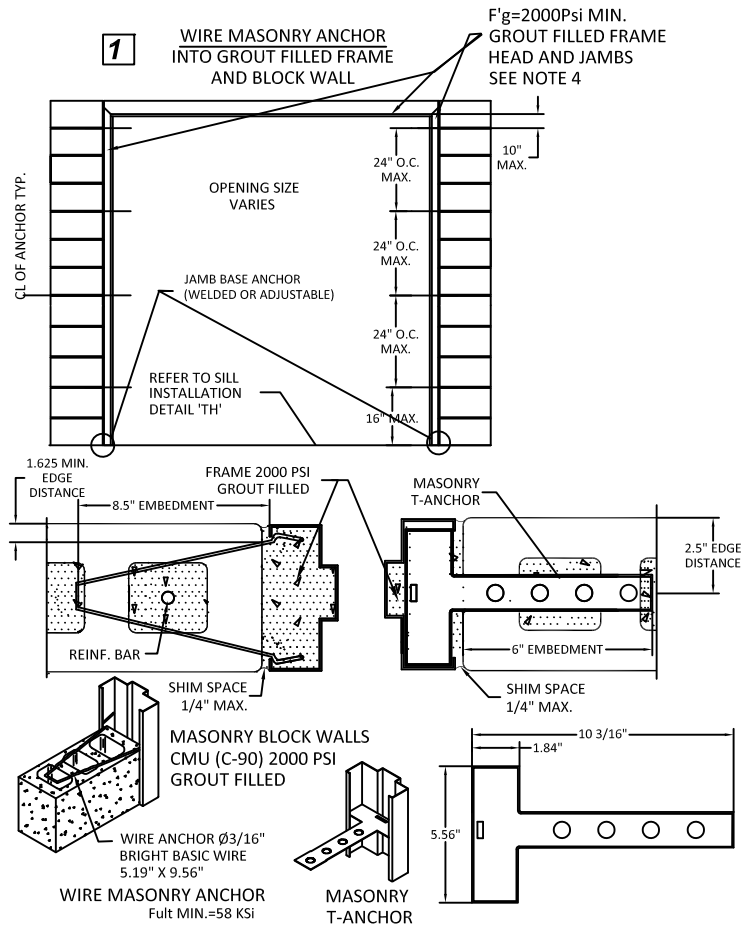
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DWG. #: F1049DF

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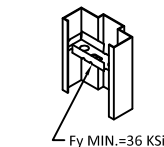
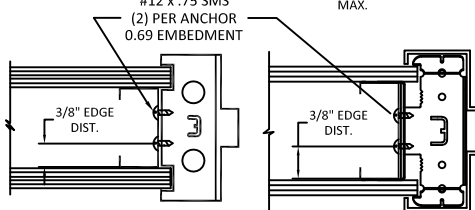
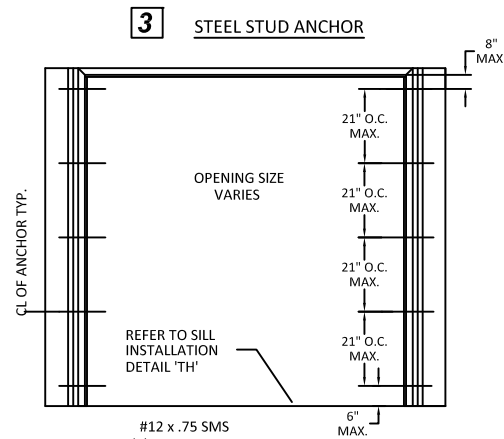
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SEE SHTS. 6 - 9 FOR
OPTION 1 ANCHOR
DETAILS

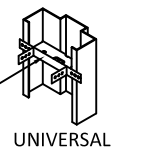


*WOOD STUD WALLS
SEE NOTE 1.

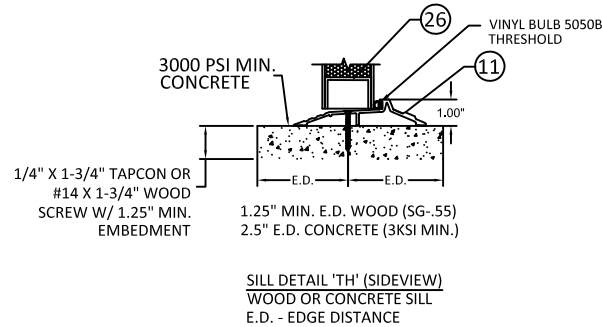
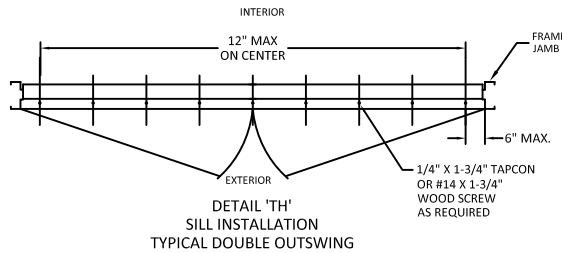
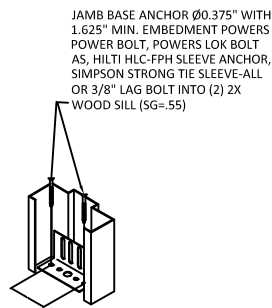
Fy MIN.=36 KSi
WOOD STUD OR UNIVERSAL ANCHOR
(LOCK-IN OR WELD-IN)



Fy MIN.=36 KSi
STEEL STUD ANCHOR
WELD-IN OR LOCK-IN



UNIVERSAL ANCHOR
WELD-IN OR LOCK-IN



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

TITLE: OUTSWING DOUBLE FLUSH WITH PANIC DOOR HARDWARE (HVHZ)(IMPACT)

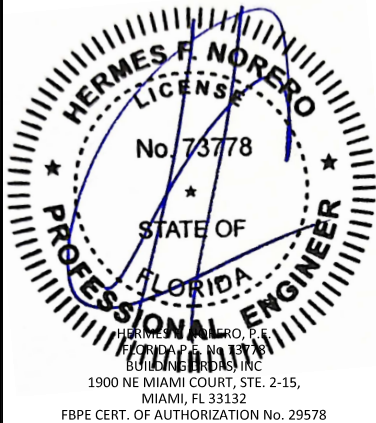
OPTION 2 ANCHORS - WOOD STUD JAMB ANCHOR, STEEL STUD JAMB ANCHOR, & WIRE MASONRY ANCHOR

PREPARED BY: BUILDING DROPS, INC.
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B.D.
BUILDING DROPS

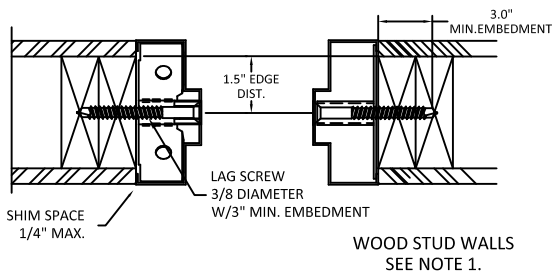
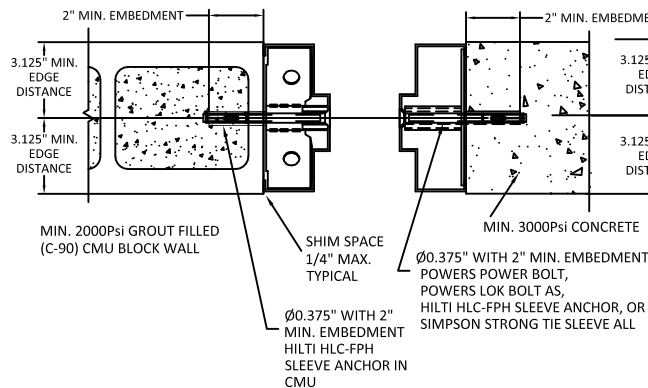
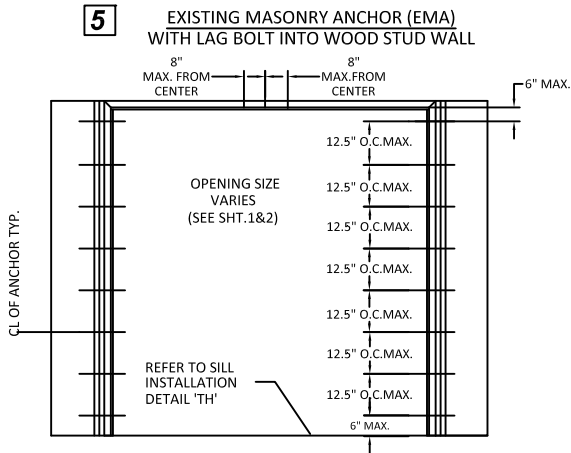
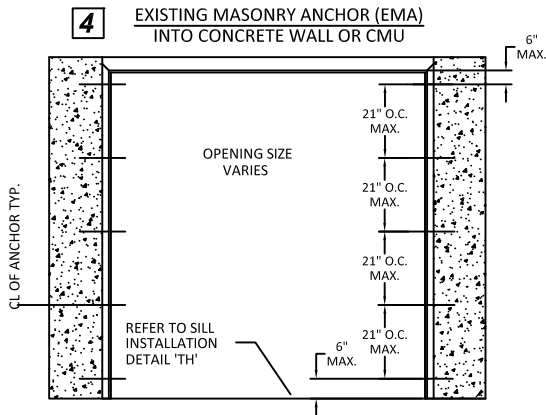
REMARKS	BY	DATE
A. MISC UPDATES	DI	01/26

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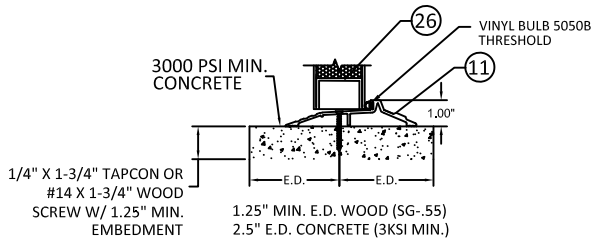
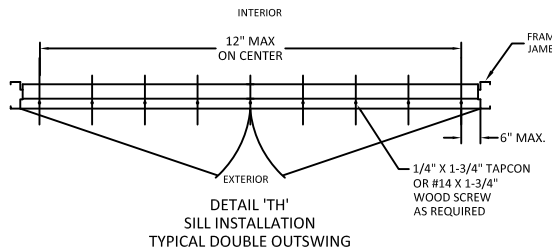


FL #:	FL16740
DATE:	09.30.2024
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CHK. BY:	HN
SCALE:	NTS
DWG. #:	F1049DF
SHEET:	16

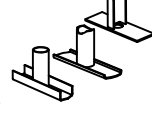
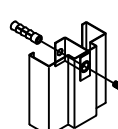
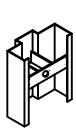
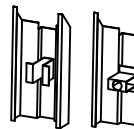
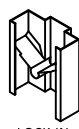
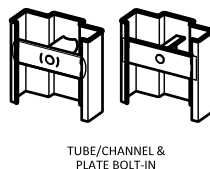
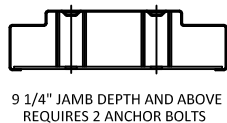
SEE SHTS. 6 - 9 FOR
OPTION 1 ANCHOR
DETAILS



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



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



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

TITLE: OUTSWING DOUBLE FLUSH WITH
PANIC DOOR HARDWARE
(HVVHZ)(IMPACT)

OPTION 2 ANCHORS - EXISTING WALL JAMB
ANCHOR W/ LAG SCREW INTO WOOD STUD
WALL & INTO CONCRETE WALL OR CMU

PREPARED BY:

BUILDING DROPS, INC.

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MIAMI, FL 33132
PH: (954) 399-8478
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DWG. BY:
JA

CHK. BY:
HN

SCALE: **NTS**

DWG. #: **F1049DF**

SHEET:

17

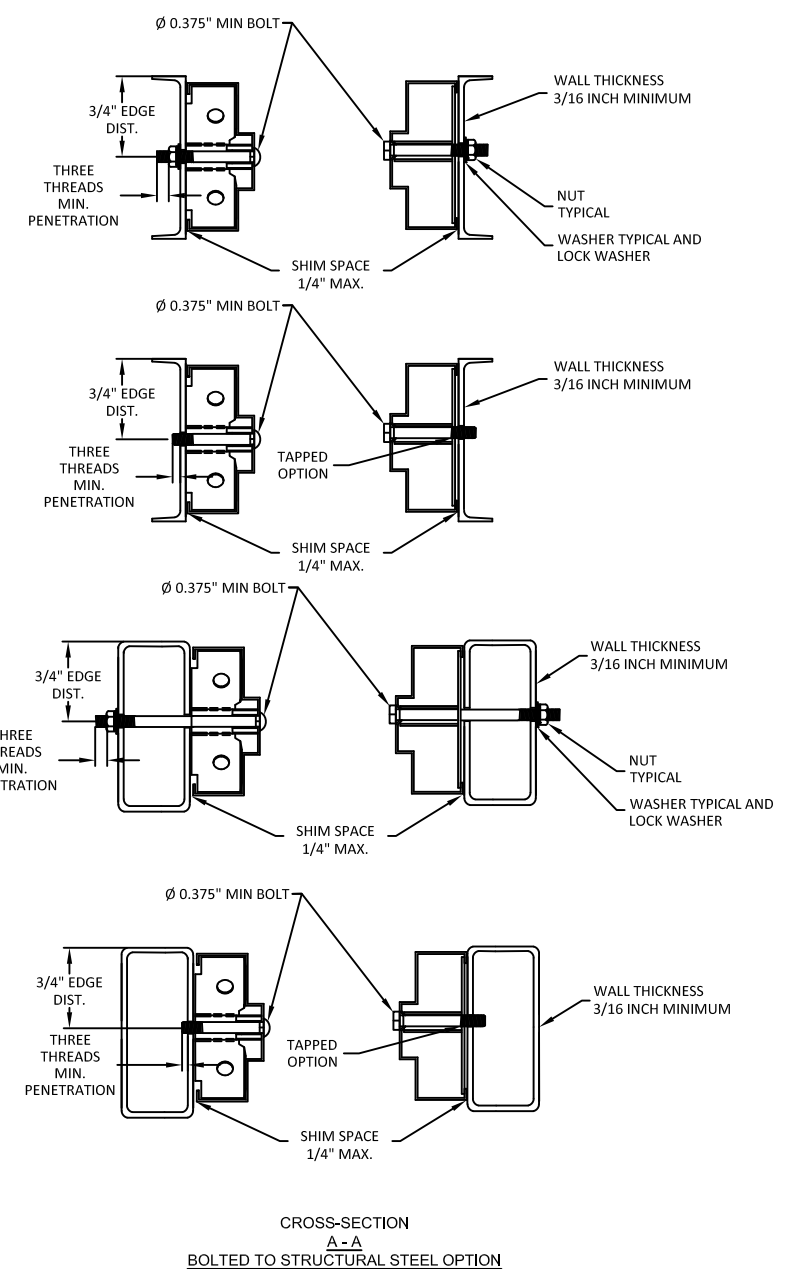
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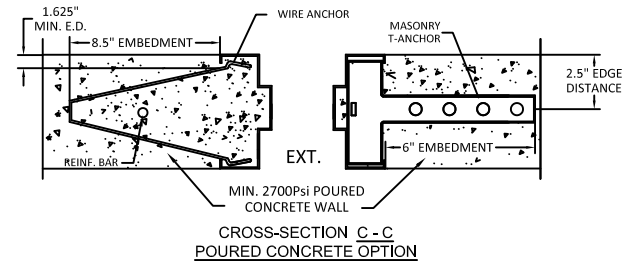
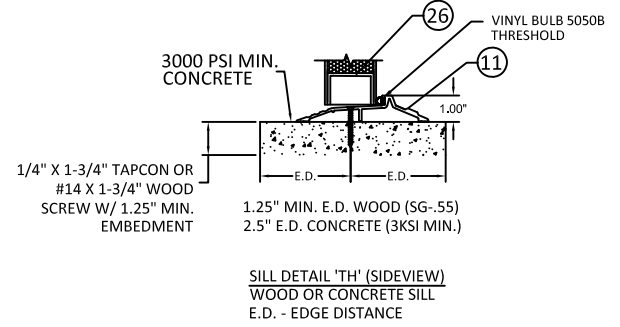
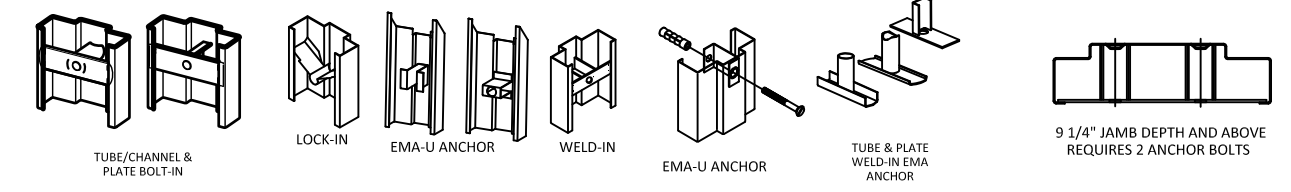
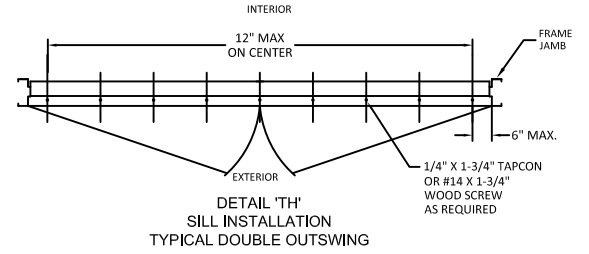
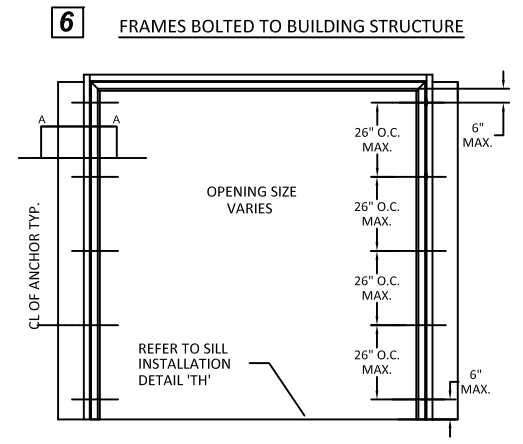
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NOTES:
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NOTE:
1. 3/8\"/>



SEE SHTS. 6 - 9 FOR
OPTION 1 ANCHOR
DETAILS



ALLEGION-SCHLAGE LOCK COMPANY, LLC
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
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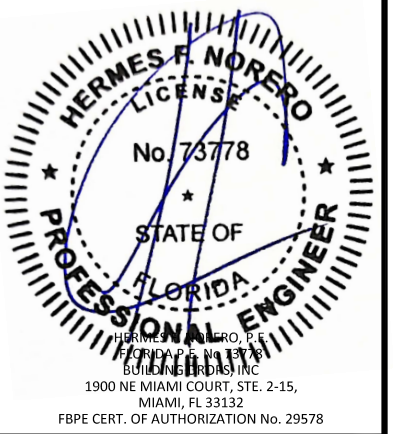
TITLE: OUTSWING DOUBLE FLUSH WITH
PANIC DOOR HARDWARE
(HVHZ)(IMPACT)

OPTION 2 ANCHORS - FRAMES BOLTED TO
BUILDING STRUCTURE & POURED CONCRETE
TILT WALL CONSTRUCTION

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
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CHK. BY:	HN
SCALE:	NTS
DWG. #:	F1049DF
SHEET:	18

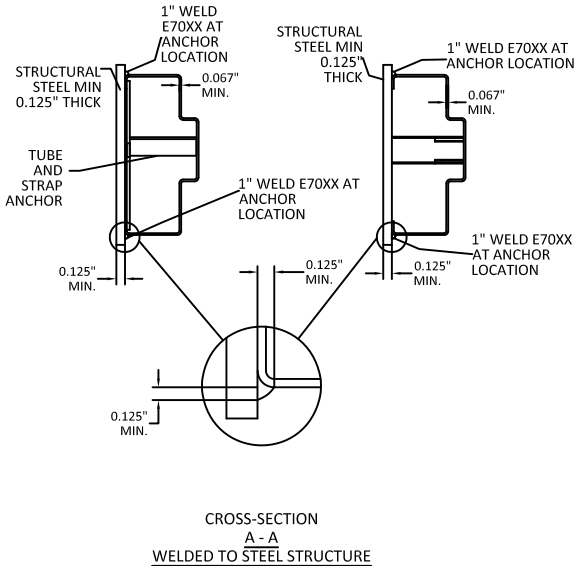
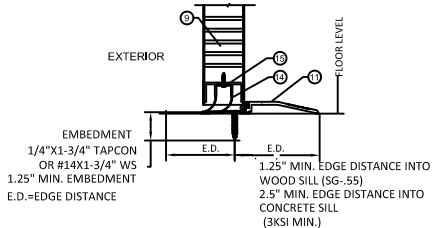
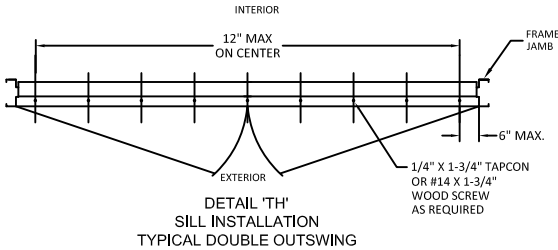
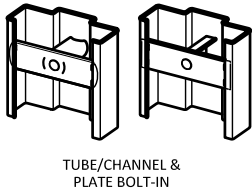
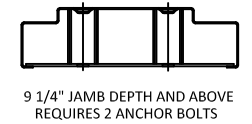
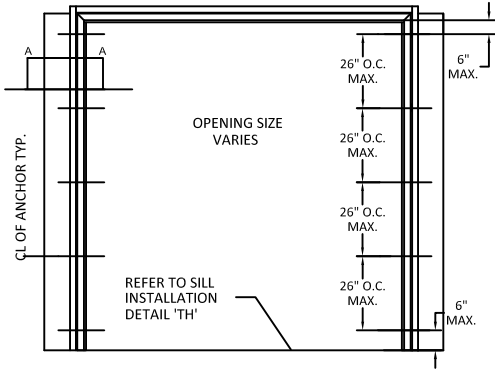
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SEE SHTS. 6 - 9 FOR
OPTION 1 ANCHOR
DETAILS

8

WELDED ANCHOR
SHIM OR STEEL BUILDING
STRUCTURE



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

TITLE: OUTSWING DOUBLE FLUSH WITH
PANIC DOOR HARDWARE
(HVHZ)(IMPACT)

OPTION 2 ANCHORS - FRAMES WELDED TO
STEEL STRUCTURE BUILDING

PREPARED BY:

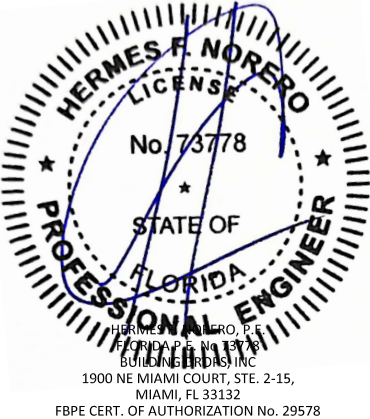
BUILDING DROPS, INC.

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SCALE: NTS

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SHEET:

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OF 19