ALLEGION - SCHLAGE LOCK COMPANY, LLC.

OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (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 E283-04(12) & E330-14.
2. THE DOORS ARE LARGE MISSILE IMPACT RATED.
3. DISSIMILAR MATERIAL IN CONTACT SHALL MEET FBC REQUIREMENTS.

NOTES:

1. WEATHERSTRIPPING - SEE SHEET 27 FOR SINGLE DOOR ASSEMBLIES AND SHEETS 28 AND 29 FOR DOUBLE DOOR ASSEMBLIES.
2. SEE SHEETS 33-36 FOR HARDWARE OPTIONS.
3. SEE SHEET 2 FOR DOUBLE DOOR HARDWARE CONFIGURATION OPTIONS AND DESIGN PRESSURES
4. SEE SHEET 3 FOR SINGLE DOOR HARDWARE CONFIGURATION OPTIONS AND DESIGN PRESSURES
5. ANCHORING REQUIREMENTS: SEE SHEETS 18-26 FOR APPROVED ANCHOR AND INSTALLATION REQUIREMENTS.
6. HINGE REQUIREMENTS: ONE (1) CONTINUOUS HINGE - OR FOR DOOR OPENING WITH 7'0" MAX. HEIGHT - MIN (3) 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 BETWEEN. HINGE LOCATIONS MAY VARY, MAX SPACING NOT TO EXCEED 35.5" FOR THREE HINGES.
7. APPROVED HARDWARE SHOWN, INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS OR AS REQUIRED BY THIS APPROVAL.
8. 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.
9. OPTIONAL POWER TRANSFERS, MONITORING SWITCHES, SUPPLEMENTARY MAGNETIC LOCKS, AND ELECTRIFIED LOCKS MAY BE USED AS ALLOWED BY CODE AND IT DOES NOT EFFECT THE MECHANICAL PROPERTIES OF HARDWARE AND/OR INHIBIT EGRESS, TO BE REVIEWED BY BUILDING CODE OFFICIAL

DESIGN PRESSURE RATING		IMPACT RATING
WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED*	LARGE AND SMALL MISSILE IMPACT (LMI - 50 PSF)
NOT APPROVED	SEE SHEET 2 & 3	

* WATER INFILTRATION RESISTANCE IS NOT REQUIRED WHEN DOOR ASSEMBLIES INSTALLED IN NON-HABITABLE AREAS WHERE THE DOOR ASSEMBLY AND AREA IS DESIGNED TO ACCEPT WATER INFILTRATION, OR IF PROTECTED BY OVERHANG WITH RATIO LENGTH/HEIGHT EQUAL OR GREATER THAN 1.

* DOOR ASSEMBLIES MEET CURRENT FBC AIR INFILTRATION REQUIREMENTS.

10. SEE SHEET 13 & 37 FOR AVAILABLE STANDARD DOOR / FRAME CONFIGURATIONS.
11. DOOR-LITE AVAILABLE CONFIGURATIONS: G-LITE, LNL, V, N3, N4, N5, N, E4TL, E2G, FG, FG2, & FG3 (SEE SHEET 14 & 39).
12. INSTALL REINFORCEMENT CHANNELS (25) AROUND EACH LITE-CUTOUT
13. HEAD SECTION CAN HAVE 4" FACE DIMENSIONS WHEN IT'S GROUTED WITH CONCRETE. (SEE SHEETS 18 THROUGH 26).
14. APPLY CAULK AS NEEDED. SEE SHEETS 18-29 AND 37.
15. PRODUCT IS NOT APPROVED WHERE WATER INFILTRATION REQUIREMENT IS NEEDED.
16. SEE SHEETS 4, 13, 32, 37 & 38 FOR ELEVATIONS, AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS.
17. SEE SHEETS 18-26 FOR WALL CONSTRUCTION, ANCHORING SYSTEM OPTIONS AND INSTALLATION.
18. STUD WALL CONSTRUCTION STRUCTURAL MEMBERS MUST BE DESIGNED TO COMPLY WITH APPROVED DESIGN PRESSURE RATING WITH 320#/FT BASIS.
19. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON SHEETS 18-26.
20. 4-0 WIDE DOORS ARE APPROVED FOR USE AT +/-50 PSF IN SINGLE DOOR OPENING APPLICATIONS ONLY (WITH OR WITHOUT SIDELITES AND/OR TRANSOMS). SEE SHEET 3 FOR HARDWARE AND SHEET 4 FOR 4-0 DOOR CRITERIA

CONSTRUCTION NOTES:

1. DOOR CONSTRUCTION
   - 1.1. NOMINAL DOOR THICKNESS - 1 3/4"
   - 1.2. DOORS AVAILABLE IN FLAT AND EMBOSSED SURFACE MODELS (SEE SHTS. 14 & 39)
   - 1.3. DOOR VIEWERS ARE PERMITTED TO BE USED IN A DOOR WITH A DESIGN RATING OF 60 PSF OR LESS
2. FRAME CONSTRUCTION
   - 2.1. NOMINAL JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"
   - 2.2. FRAMES AVAILABLE AS FLUSH (F-SERIES) AND MULTI-USE (MU-SERIES) (SEE TABLE 5). REPUBLIC FRAMES AVAILABLE AS FLUSH (ME-SERIES) AND MULTI-USE (SE-SERIES) (SEE TABLE 12)
3. FOR DOOR/FRAME MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 6 AND 13.
4. FRAME CORNER WELD: CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM. GRIND, SMOOTH, PRIME, & PAINT. WELD CLASSIFICATION - E70XX. SEE SHEET 12 FOR DETAIL.

TABLE OF CONTENTS

SHEET	SHEET DESCRIPTION
1	GENERAL NOTES AND DESIGN PRESSURE TABLE
2	TABLE 1: DOOR CONFIG. & LOCKING HARDWARE
3	TABLE 1: DOOR CONFIG. & LOCKING HARDWARE CONT.
4	OPENING DIMENSIONS STEELCRAFT SINGLE & DOUBLE DOORS W/ SIDE AND TRANSOM PANELS/LITES & BOM
5	DOUBLE DOOR & FRAME VERTICAL SECTION VIEWS
6	DOUBLE DOOR & FRAME VERTICAL SECTION VIEWS CONT.
7	DOUBLE DOOR & FRAME HORIZONTAL SECTION VIEWS
8	DOUBLE DOOR & FRAME HORIZONTAL SECTION VIEWS CONT.
9	SINGLE DOOR & FRAME VERTICAL SECTION VIEWS
10	SINGLE DOOR & FRAME HORIZONTAL SECTION VIEWS
11	DOOR PANEL & CORE DETAILS
12	FRAME DETAILS & CORNER CONSTRUCTION
13	STEELCRAFT DOOR & FRAME CONFIGURATIONS AND MATERIAL SPECS.
14	DOOR CONFIGURATIONS
15	GLAZING DETAILS
16	GLAZING TRIM DETAILS
17	GLAZING PANEL DETAILS
18	ANCHORS - WIRE MASONRY JAMB ANCHOR INTO GROUT FILLED FRAME AND GROUT FILLED BLOCK WALL
19	ANCHORS - EMA JAMB ANCHOR INTO CONCRETE WALL OR 2000PSI GROUT FILLED CMU
20	ANCHORS - WOOD STUD JAMB ANCHOR & EXISTING WALL JAMB ANCHOR W/ LAG SCREW INTO WOOD STUD WALL
21	ANCHORS - STRUCTURAL C CHANNEL JAMB ANCHOR
22	ANCHORS - POURED CONCRETE TILT WALL CONSTRUCTION
23	ANCHORS - STEEL STUD JAMB ANCHOR
24	ANCHORS - FRAMES BOLTED TO BUILDING STRUCTURE
25	ANCHORS - FRAMES WELDED TO STEEL STRUCTURE BUILDING
26	FRAME HEAD & SILL ANCHOR DETAILS
27	GASKETING DETAILS - SINGLE DOOR PERIMETER SEAL
28	GASKETING DETAILS - DOUBLE DOOR PERIMETER SEAL ZERO INT'L HARDWARE
29	GASKETING DETAILS - DOUBLE DOOR PERIMETER SEAL NGP HARDWARE
30	HINGE & REINFORCEMENTS
31	MULLION & HIGH SECURITY VISION FRAME DETAILS
32	ALTERNATE DOOR & FRAME CONFIGURATIONS
33	LOCKING HARDWARE
34	LOCKING HARDWARE CONT.
35	LOCKING HARDWARE CONT.
36	LOCKING HARDWARE CONT.
37	REPUBLIC DOORS: SINGLE & DOUBLE DOORS W/ SIDE & TRANSOM PANELS/LITES
38	REPUBLIC DOORS: DOOR & FRAME CONFIGURATIONS AND MATERIAL SPECS
39	REPUBLIC DOORS: DOOR CONFIGURATIONS

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

TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

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
WEB: www.buildingdrops.com

REMARKS	BY	DATE
LOCK ADDITION	MG	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.12.10 18:42:23 -05'00'

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

FL1592

DATE: 05.16.22

DWG. BY: CA | CHK. BY: HFN

SCALE: NTS

DWG. #: F975W | REV L

SHEET: 1 OF 39

TABLE 1.1: DOOR CONFIGURATIONS AND LOCKING HARDWARE FOR DOUBLE DOOR ASSEMBLIES

	MAXIMUM DESIGN PRESSURE, PSF		MAXIMUM FLUSH OR GLAZED DOOR OPENING SIZE, IN.		MAXIMUM EXPOSED GLAZING SIZE (DLO)*, IN.		DOUBLE DOOR LOCKING HARDWARE DESCRIPTION				COMMENTS
	POSITIVE	NEGATIVE	WIDTH	HEIGHT	WIDTH	HEIGHT	HARDWARE FAMILY	MODEL/SERIES	STRIKE MODELS	BRAND	
1DD	60	60	72	84	23	62	RIM EXIT DEVICE	98, 99, 98-F, 99-F	499F	VON DUPRIN	FOR PAIRS USE VON DUPRIN HARDWARE MULLION SEE SHEET 4
								HH78, HH78-F	499F	VON DUPRIN	
								88-F	468	VON DUPRIN	
								XP98, XP99, XP98-F, XP99-F	909/954	VON DUPRIN	
2DD	60	60	72	84	23	62	SURFACE VERTICAL ROD EXIT DEVICE	9827, 9927, 9827-F, 9927-F	299F-499F TOP, 304L BOTTOM	VON DUPRIN	-
								HH7827, HH7827-F	299F OR 499F TOP, 304L BOTTOM	VON DUPRIN	-
								F-25-V & 25-V	3788 TOP, 2130 BOTTOM	FALCON	-
3DD	60	60	72	84	23	62	CONCEALED VERTICAL ROD EXIT DEVICE	9847-F, 9947-F, HH9847, HH9947	338 TOP, 304L BOTTOM	VON DUPRIN	HH98/9947 DEVICE HAS A 2-3/4" BACKSET
								HH7847, HH7847-F	338 TOP, 304L BOTTOM	VON DUPRIN	HH7847 DEVICE HAS A 2-3/4" BACKSET
								HH7547, HH7547-F	338 TOP, 304L BOTTOM	VON DUPRIN	HH7547 DEVICE HAS A 2-3/4" BACKSET
								3347A-F, 3547A-F, HH3347A, HH3547A	338 TOP, 304L BOTTOM	VON DUPRIN	HH33/3547A DEVICE HAS A 2-3/4" BACKSET
								F-25-C	4188 TOP, 2130 BOTTOM	FALCON	-
4DD	60	60	72	84	23	62	THREE-POINT LATCHING DEVICE	9857, 9957, 9857-F, 9957-F	299F/499F TOP, 499F MIDDLE, 304L BOTTOM	VON DUPRIN	FOR PAIRS USE VON DUPRIN HARDWARE MULLION SEE SHEET 4
5DD	60	60	72	84	23	62	MORTISE LOCK	L/LV9000, AD-MS, CO-MS, PM	10-072	SCHLAGE	FUNCTION W/O DEADBOLT, 3/4" MIN. THROW LATCH
								LE-MS, LEB-MS LE-MB, LEB-MB	10-072	SCHLAGE	
								XE360-M-B & XE360-M-I	10-072	SCHLAGE	
								L/LV9400, AD-MD, CO-MD, PM400	10-072	SCHLAGE	FUNCTION WITH DEADBOLT, 3/4" MIN. THROW LATCH & 1" MIN. THROW BOLT
								XE360-M-D	10-072	SCHLAGE	
								LE-MD, LEB-MD	10-072	SCHLAGE	
								MA	ANSI	FALCON	FUNCTION WITH OR WITHOUT DEADBOLT, 3/4" MIN. THROW LATCH & 1" MIN. THROW BOLT (IF APPLICABLE)
6DD	60	60	72	84	23	62	CYLINDRICAL LOCK	D, ND, NDE, NDEB, AD-CY, CO-CY	10-025	SCHLAGE	1/2" MIN. THROW LATCH
								ALX, PC	ANSI		1/2" MIN. THROW LATCH (13-427,14-028)
								T, TM	ANSI	FALCON	1/2" MIN. THROW LATCH (23981145)

NOTES:
1. SEE SHEETS 33-36 FOR LOCKING HARDWARE.
2. FOR DOOR CONFIGURATIONS 5DD & 6DD INACTIVE LEAF REQUIRES IVES SB360 SURFACE BOLT TOP AND BOTTOM, EACH ATTACHED WITH (4) #12-24 OVAL HEAD MACHINE SCREWS AND SEX BOLTS.
3. *DLO - DAYLIGHT OPENING, SAME AS EXPOSED GLASS OR FINISHED OPENING. SEE SHEETS 13, 15, 16, 38, & 39 FOR GLAZING TYPES, DETAILS AND LIMITATIONS.

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

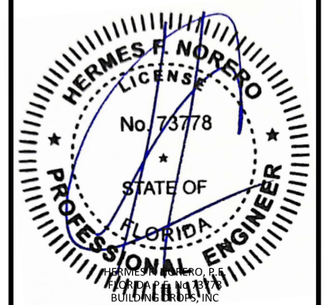
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

TABLE 1: DOOR CONFIG. & LOCKING HARDWARE

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

DWG. BY: CA | CHK. BY: HFN

SCALE: NTS

DWG. #: F975W | REV L

SHEET: 2 OF 39

TABLE 1.2: DOOR CONFIGURATIONS AND LOCKING HARDWARE FOR SINGLE DOOR ASSEMBLIES

DOOR CONFIGURATION	MAXIMUM DESIGN PRESSURE, PSF		MAXIMUM FLUSH OR GLAZED DOOR OPENING SIZE, IN.		MAXIMUM DLO SIZE, IN. (NOTE 2)		SINGLE DOOR LOCKING HARDWARE DESCRIPTION				COMMENTS
	POSITIVE	NEGATIVE	WIDTH	HEIGHT	WIDTH	HEIGHT	HARDWARE FAMILY	MODEL/SERIES	STRIKE MODELS	BRAND	
1SD	60	60	36	84	23	62	RIM EXIT DEVICE	98, 99, 98-F, 99-F	299-F,499-F	VON DUPRIN	-
								HH78, HH78-F	299F, 499F	VON DUPRIN	-
								88-F	268/468	VON DUPRIN	-
								XP98, XP99, XP98-F, XP99-F	909/954	VON DUPRIN	-
2SD	60	60	36	84	23	62	SURFACE VERTICAL ROD EXIT DEVICE	9827, 9927, 9827-F, 9927-F	299-F OR 499-F TOP, 304L BOTTOM	VON DUPRIN	-
								HH7827, HH7827-F	299-F OR 499-F TOP, 304L BOTTOM	VON DUPRIN	-
								F-25-V & 25-V	3788 TOP, 2130 BOTTOM	FALCON	-
3SD	60	60	36	84	23	62	CONCEALED VERTICAL ROD EXIT DEVICE	9847-F, 9947-F & HH9847, HH9947	338 TOP, 304L BOTTOM	VON DUPRIN	HH98/9947 DEVICES HAVE A 2-3/4" BACKSET
								HH7847, HH7847-F	338 TOP, 304L BOTTOM	VON DUPRIN	HH7847 DEVICE HAS A 2-3/4" BACKSET
								HH7547, HH7547-F	338 TOP, 304L BOTTOM	VON DUPRIN	HH7547 DEVICE HAS A 2-3/4" BACKSET
								3347A-F, 3547A-F, HH3334A, HH3547A	338 TOP, 304L BOTTOM	VON DUPRIN	HH33/3547A DEVICES HAVE A 2-3/4" BACKSET
								F-25-C	4188 TOP, 2130 BOTTOM	FALCON	-
4SD	60	60	36	84	23	62	THREE-POINT LATCHING DEVICE	9857, 9957, 9857-F, 9957-F	299-F OR 499-F TOP/MIDDLE, 304L BOTTOM	VON DUPRIN	-
5SD	60	60	36	84	23	62	MORTISE LOCK	L/LV9400, AD-MD, CO-MD, PM400	10-072	SCHLAGE	FUNCTION WITH DEADBOLT, 3/4" MIN. THROW LATCH & 1" MIN. THROW BOLT
								XE360-M-D			
								L/LV9000, AD-MS, CO-MS, PM			FUNCTION W/O DEADBOLT, 3/4" MIN. THROW LATCH
								XE360-M-B & XE360-M-I			
								LE-MS, LEB-MS, LE-MB, LEB-MB, LE-MD, LEB-MD			FUNCTION WITH OR W/O DEADBOLT, 3/4" MIN. THROW LATCH & 1" MIN. THROW BOLT (IF APPLICABLE)
								MA	ANSI	FALCON	FUNCTION WITH OR W/O DEADBOLT, 3/4" MIN. THROW LATCH & 1" MIN. THROW BOLT (IF APPLICABLE)
6SD	60	60	36	84	23	62	CYLINDRICAL LOCK	D, ND, NDE, NDEB , AD-CY, CO-CY	10-025	SCHLAGE	1/2" MIN THROW LATCH
								ALX, PC	ANSI	SCHLAGE	1/2" MIN THROW LATCH (13-247,14-028)
								T, TM	ANSI	FALCON	1/2" MIN THROW LATCH (23981145)
7SD	50	50	48	84	34.25	62	RIM EXIT DEVICE	98, 99, 98-F, 99-F	299-F,499-F	VON DUPRIN	-
								HH78, HH78-F	299F, 499F	VON DUPRIN	-
								88-F	268/468	VON DUPRIN	-
								XP98, XP99, XP98-F, XP99-F	909/954	VON DUPRIN	-
8SD	50	50	48	84	34.25	62	THREE-POINT LATCHING DEVICE	9857, 9957, 9857-F, 9957-F	299-F OR 499-F TOP/MIDDLE, 304L BOTTOM	VON DUPRIN	-
9SD	50	50	48	84	34.25	62	MORTISE LOCK	L/LV9400, AD-MD, CO-MD, PM400	10-072	SCHLAGE	FUNCTION WITH DEADBOLT, 3/4" MIN. THROW LATCH & 1" MIN. THROW BOLT
								XE360-M-D			
								L/LV9000, AD-MS, CO-MS, PM			FUNCTION W/O DEADBOLT, 3/4" MIN. THROW LATCH
								XE360-M-B & XE360-M-I			
								LE-MS, LEB-MS, LE-MB, LEB-MB, LE-MD, LEB-MD			FUNCTION WITH OR W/O DEADBOLT, 3/4" MIN. THROW LATCH & 1" MIN. THROW BOLT (IF APPLICABLE)
								MA	ANSI	FALCON	FUNCTION WITH OR W/O DEADBOLT, 3/4" MIN. THROW LATCH & 1" MIN. THROW BOLT (IF APPLICABLE)
10SD	50	50	48	84	34.25	62	CYLINDRICAL LOCK	D, ND, NDE, NDEB, AD-CY, CO-CY	10-025	SCHLAGE	1/2" MIN THROW LATCH
								ALX, PC	ANSI	SCHLAGE	1/2" MIN THROW LATCH (13-247,14-028)
								T, TM	ANSI	FALCON	1/2" MIN THROW LATCH (23981145)

NOTES:
1. SEE SHEETS 33-36 FOR LOCKING HARDWARE.
2. *DLO - DAYLIGHT OPENING, SAME AS EXPOSED GLASS OR FINISHED OPENING. SEE SHEETS 13, 15, 16, 38, & 39 FOR GLAZING TYPES, DETAILS AND LIMITATIONS.

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

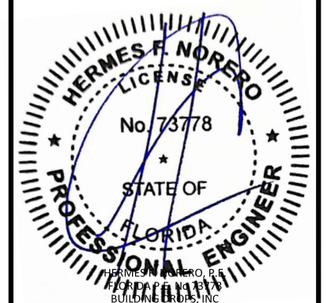
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

TABLE 1: DOOR CONFIG. & LOCKING HARDWARE CONT.

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

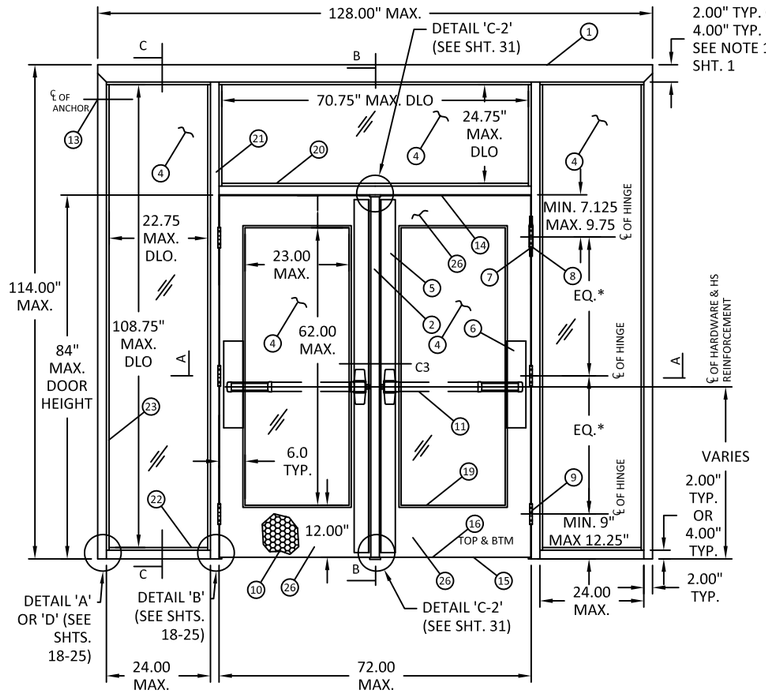
DWG. BY:	CHK. BY:
CA	HFN

SCALE: NTS

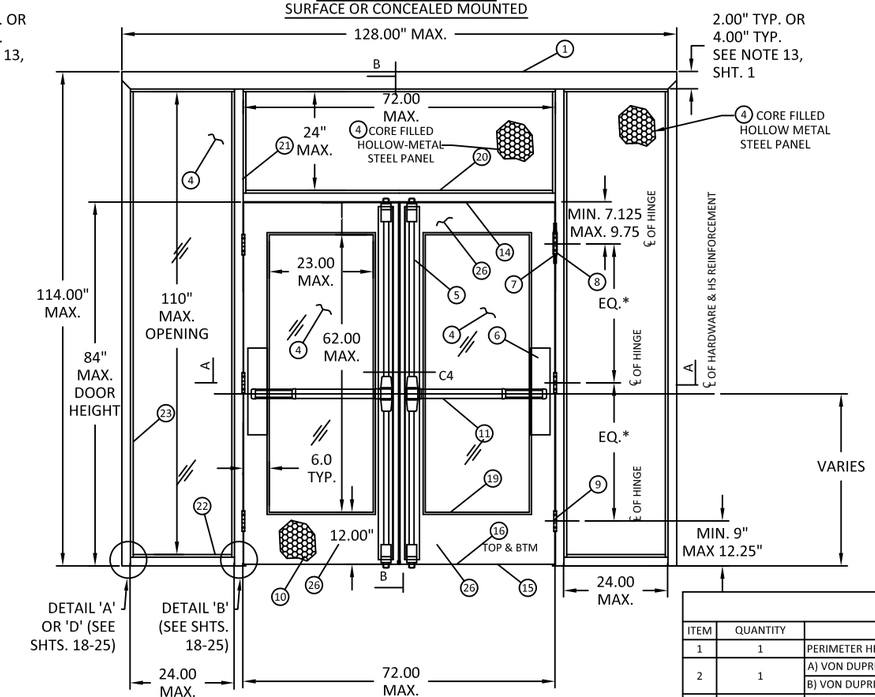
DWG. #: F975W | REV L

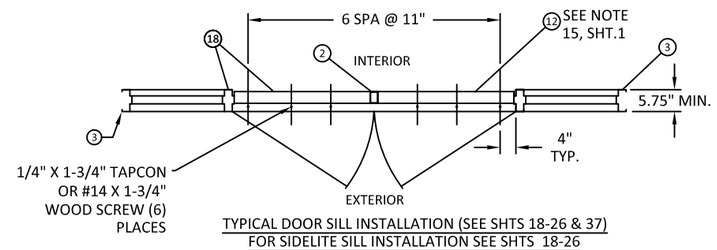
SHEET: 3 OF 39

OUTSWING DOORS WITH RIM EXIT DEVICE
WITH VON DUPRIN MULLION

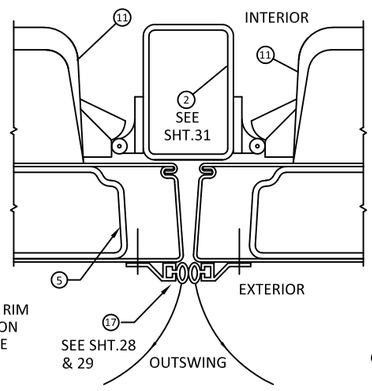


OUTSWING DOOR WITH
VERTICAL ROD EXIT DEVICE
SURFACE OR CONCEALED MOUNTED



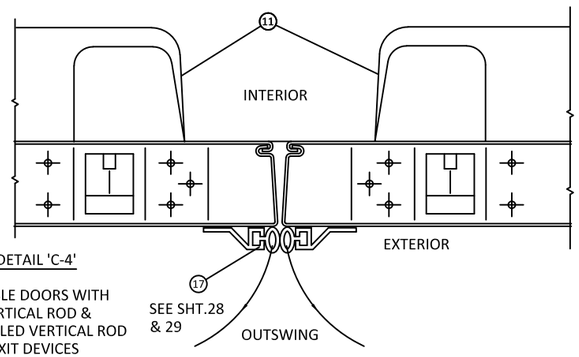


TYPICAL DOOR SILL INSTALLATION (SEE SHTS 18-26 & 37)
FOR SIDELITE SILL INSTALLATION SEE SHTS 18-26



DETAIL 'C-3'

DOUBLE DOORS WITH RIM
EXIT DEVICES AND VON
DUPRIN HARDWARE
MULLION



DETAIL 'C-4'

DOUBLE DOORS WITH
VERTICAL ROD &
CONCEALED VERTICAL ROD
EXIT DEVICES

TABLE 2 (SEE TABLE 10 SHEET 37 FOR OPTION 2 CONFIGURATION)

ITEM	QUANTITY	DESCRIPTION		MATERIAL	SIZE
1	1	PERIMETER HEAD & SIDELITE SILL SEE SHT 12. ASTM A366		.053" MIN. STL	MAX. 128"
2	1	A) VON DUPRIN HH9954 HARDWARE MULLION		.312" A500 STL	MAX. 84"
		B) VON DUPRIN 9964 OR KR9964 HARDWARE MULLION		.118" A500 STL	MAX. 84"
3	2	PERIMETER JAMB SEE SHT 12 ASTM A366		.053" MIN. STL	MAX. 114"
4	VARIES SEE SHEET 15	SIDE OR TRANSOM PANEL/LITE			
		1) STEEL PANEL 16 GA.		.053" MIN. STL	1.75" X 24" X 110" MAX.
		2) POLYCARBONATE (LEXAN) SABIC INNOVATIVE PLASTICS		.5" MIN. THICK	
		3) LAMINATED GLASS WITH (SENRTYGLAS INTERLAYER)		.562" MIN. THICK	
		4) LAMINATED GLASS (SUPERLITE II)		1.06" OR 1.438" MIN. THICK	
		5) LAMINATED GLASS (WITH SAFLEX CP INTERLAYER)		0.312" MIN. THICK	24" X 110" MAX.
5	2	LOCK SIDE REINFORCEMENT CHANNEL		.093" MIN. STL	1.66" X 3.5" X 81.44" MAX.
6	2	HINGE SIDE REINFORCEMENT BOX		.067" MIN. STL	1.66" X 4" X 10" MIN.
7	NOTE 3, SHT.1	HINGE REINFORCEMENT DOOR		.171" MIN. STL.	1.23" X 9.19"
8	NOTE 3, SHT. 1	HINGE REINFORCEMENT FRAME		.171" MIN. STL.	1.5" X 9.19"
9	NOTE 3, SHT. 1	4.5" X 4.5" BUTT HINGES (SEE SHT. 28)		X .134	(8) #12-24 MS PER HINGE
		OPTIONAL CONTINUOUS HINGE (SEE SHT. 28)		.075" MIN.STL /.11 ALUM	MAX. 83"
10	2	CORE MATERIAL (SHEET 11) A&D) POYSTYRENE, B&E) POLYURETHANE, C) HONEYCOMB , F) STEEL STIFFENED			
11	2	LOCKING HARDWARE - SEE SHEETS 33-36			
12	1	THRESHOLD SILL W/BUMPER GASKET: 12B) NGP 950		.078" ALUM. 6063 T5	5.50" X 0.5" X 72" MAX.
		12A) ZERO 566, 12C) ZERO 65, 12D) ZERO 568		.125" ALUM. 6063 T5	6.00" X 0.5" X 72" MAX.
13	NOTE 2, SHT. 1	JAMB ANCHOR - OPTIONS VARY			
14	3	14A)PSO74 DOOR SEAL		TPE	MAX. 24"
		14B)188S, 14C)117S, 14D)8144S 14E)8150S DOOR SEALS ZERO		SILICONE	MAX. 24"
15	2	FAS-SEAL DOOR SWEEP		TPE	MAX. 35.66"
16	4	END CHANNEL, 14 GA.			.69" X 1.66" X 35.66" MAX.
17	2	A) SPLIT ASTRAGAL		SEE SHEETS 26 & 27	-
	1	B) Z-ASTRAGAL		.067" MIN. STL	MAX. 84"
18	AS NEEDED	BUTYL RUBBER OR SILICONE			
19	VARIES SEE SHEET 16	GLASS HOLDING DOOR TRIM			VARIES, SEE SHEETS 14, 31, 38, & 39
		1) DEZIGNER TRIM		.024" MIN. STL	
		2) STEEL OVERLAPPING TRIM		.035" MIN. STL	
		3) STEEL OVERLAPPING TRIM		.035" MIN. STL	
		4) HIGH SECURITY VISION FRAME	SG-10 BY ANEMOSTAT	.093" MIN. STL	
			VLF-S10 AIR LOUVERS	.123" MIN. STL	
		5) VLF-EZHRC			
		6) VLF-IGHRC			
20	1	TRANSOM BAR MULLION, 16 GA. MIN. ASTM A366		.053" MIN. STL	MAX. 72"
21	2	SINGLE HINGE MULLION, 16 GA. MIN. ASTM A366		.053" MIN. STL	MAX. 112"
22	2	SILL SECTION		.053" MIN. STL	MAX. 24"
23	12	FRAME GLAZING BEAD (STOP)		.035" MIN. STL	.375 X .625" X 110" MAX.
24	2	24A) TOP CAP GALV. A60 ASTM A924		.020" MIN. STL	MAX. 48"
		24B) 18 GA DOOR FLUSH TOP CAP		.047" MIN. STL	
25	NOTE 10, SHT. 1	CUTOUT REINFORCEMENT CHANNEL (18 GA)		.047" MIN. STL	0.5" MIN. X 1.5" MIN. X 64.064" MAX.
26	2	DOOR SLAB (16 OR 14 GA) ASTM A366		SEE SHEET 11	36" X 84" MAX.
30	VARIES	MULLIONS < 4'		.053" MIN. STL	MAX. 72"
31	VARIES	ALTERNATE MULLION PROFILE		.053" MIN. STL	MAX. 72"
32	2	IVES SB360 SURFACE BOLT		STEEL	12" MIN. - 24" MAX. LENGTH

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

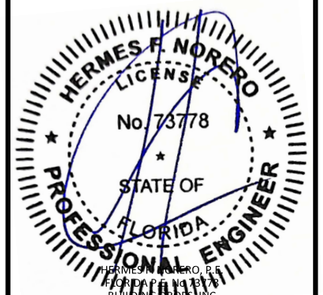
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

OPENING DIMENSIONS STEELCRAFT SINGLE & DOUBLE DOORS W/ SIDE & TRANSOM PANELS/LITES & BOM

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

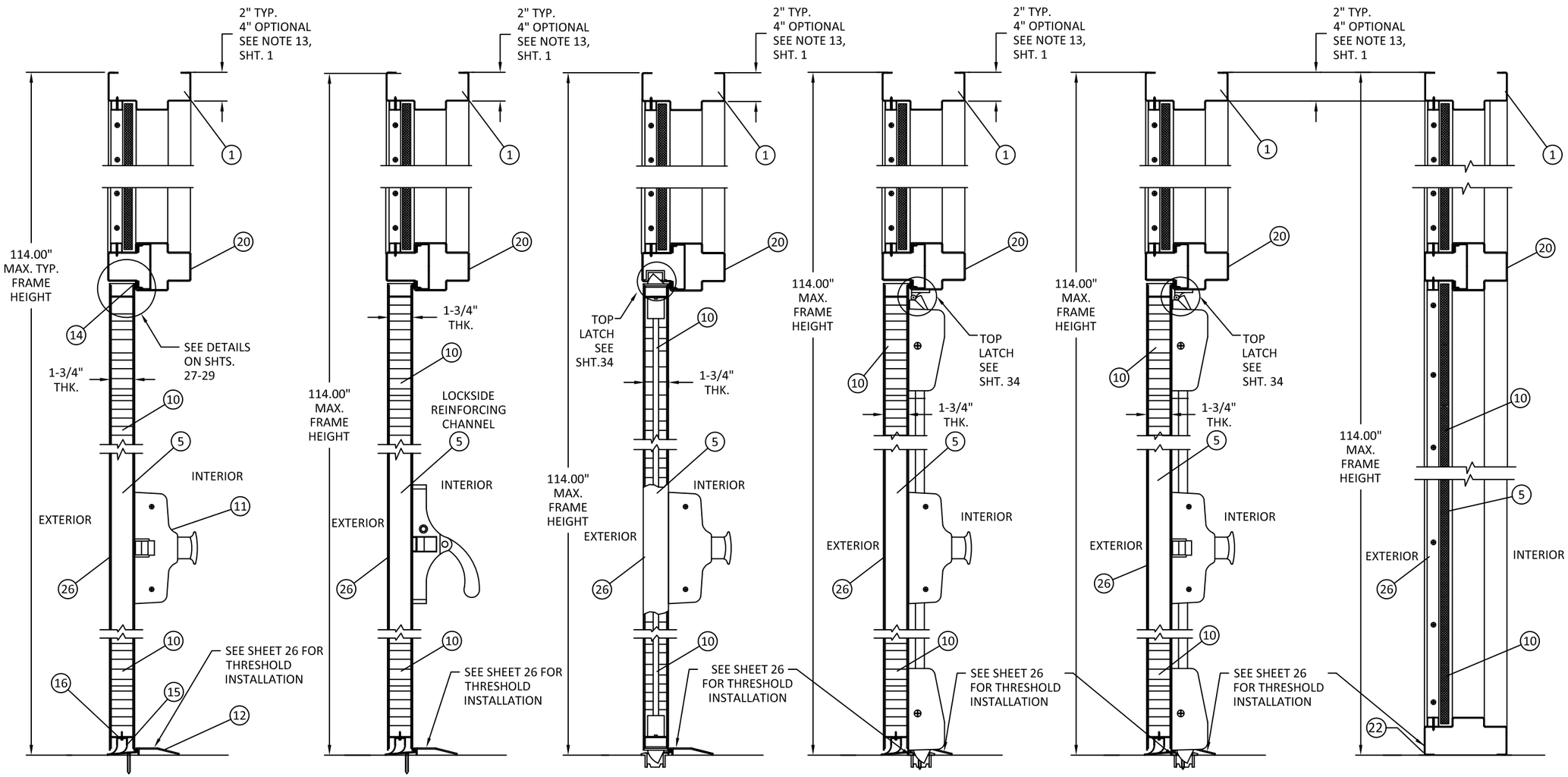
DATE: 05.16.22

DWG. BY:	CHK. BY:
CA	HFN

SCALE: NTS

DWG. #: F975W | REV L

SHEET: 4 OF 39



SECTION B-B
RIM PANIC DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 1DD

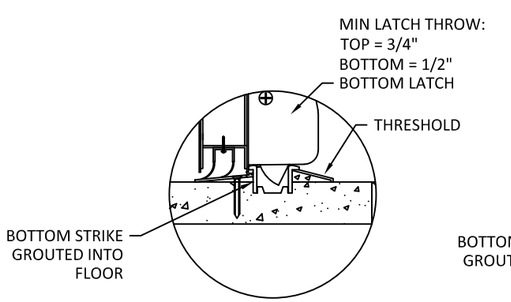
SECTION B-B
RIM PANIC DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 1DD

SECTION B-B
CONCEALED VERTICAL
HARDWARE FOR DOOR
CONFIGURATION: 3SD & 3DD

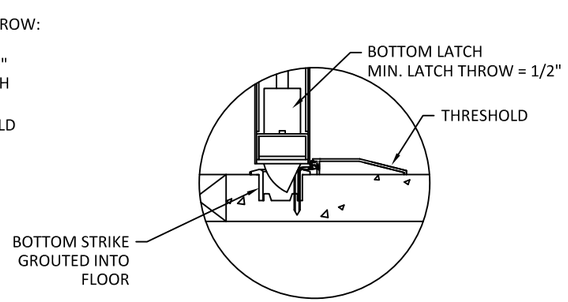
SECTION B-B
SURFACE VERTICAL ROD
HARDWARE FOR DOOR
CONFIGURATION: 2DD

SECTION B-B
THREE POINT LATCHING DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 4DD

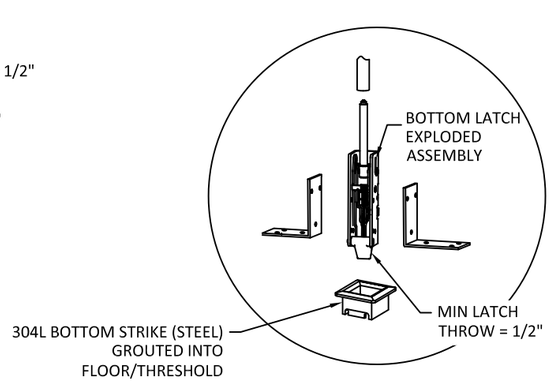
SECTION C-C
VERTICAL SIDE JAMB
SECTION

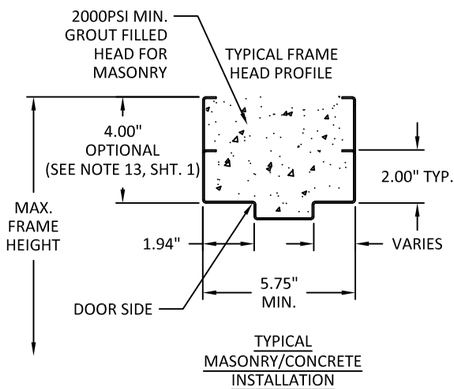


FLOOR LATCHING DETAIL
SURFACE VERTICAL ROD
EXIT DEVICE



FLOOR LATCHING DETAIL
CONCEALED VERTICAL ROD
EXIT DEVICE





TYPICAL
MASONRY/CONCRETE
INSTALLATION

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

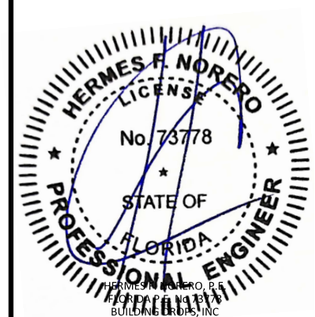
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

DOOR & FRAME 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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

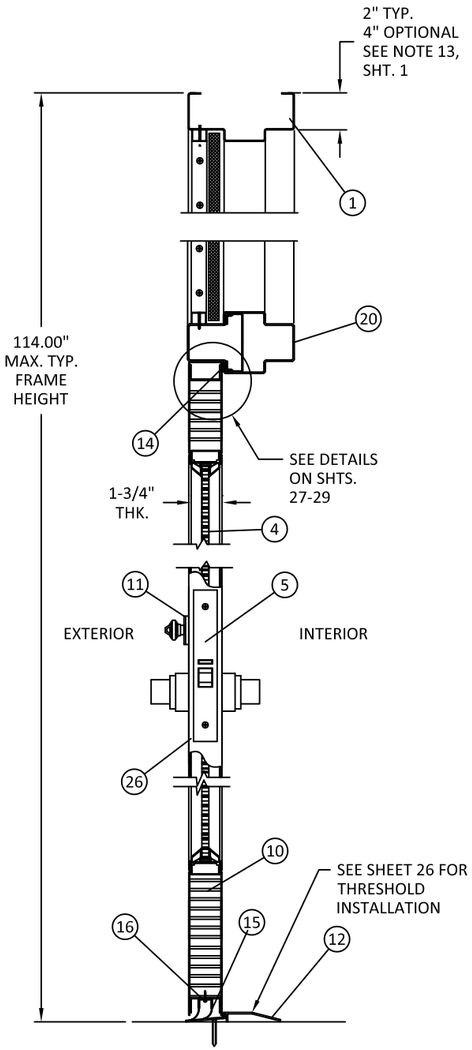
DATE: 05.16.22

DWG. BY: CA | CHK. BY: HFN

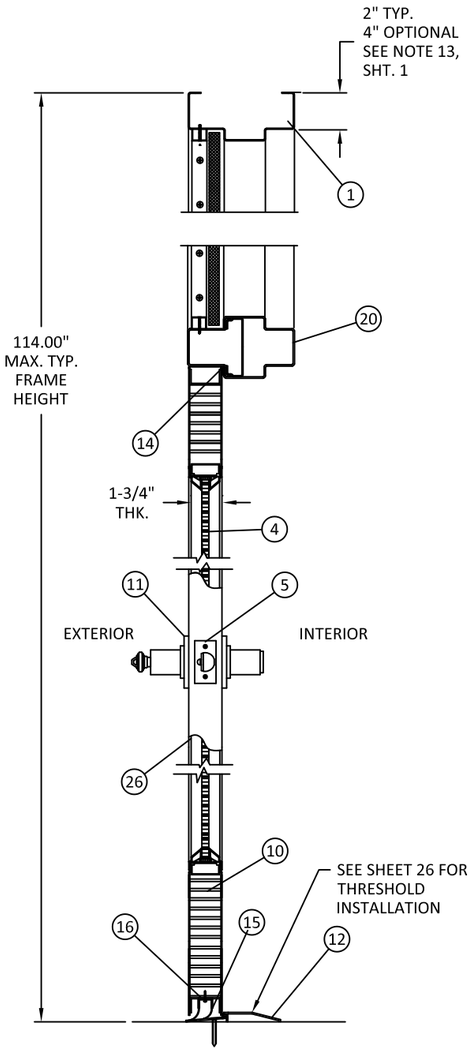
SCALE: NTS

DWG. #: F975W | REV L

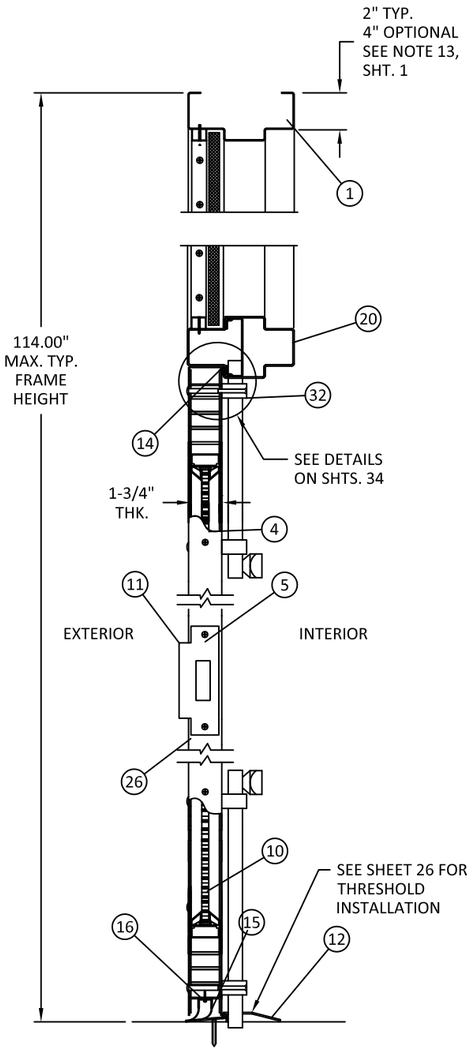
SHEET: 5 OF 39



SECTION B-B
MORTISE LOCK DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 5DD



SECTION B-B
CYLINDRICAL LOCK DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 6DD



SECTION B-B
INACTIVE LEAF
DOOR CONFIGURATION: 5DD & 6DD
(SEE SHEET 2. FOR CONFIGURATION
DETAILS)

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

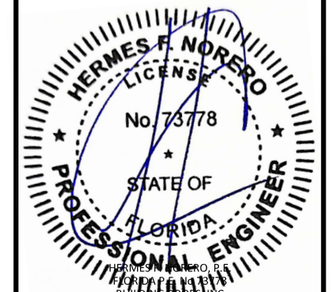
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

DOUBLE DOOR & FRAME VERTICAL SECTION VIEWS CONT.

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

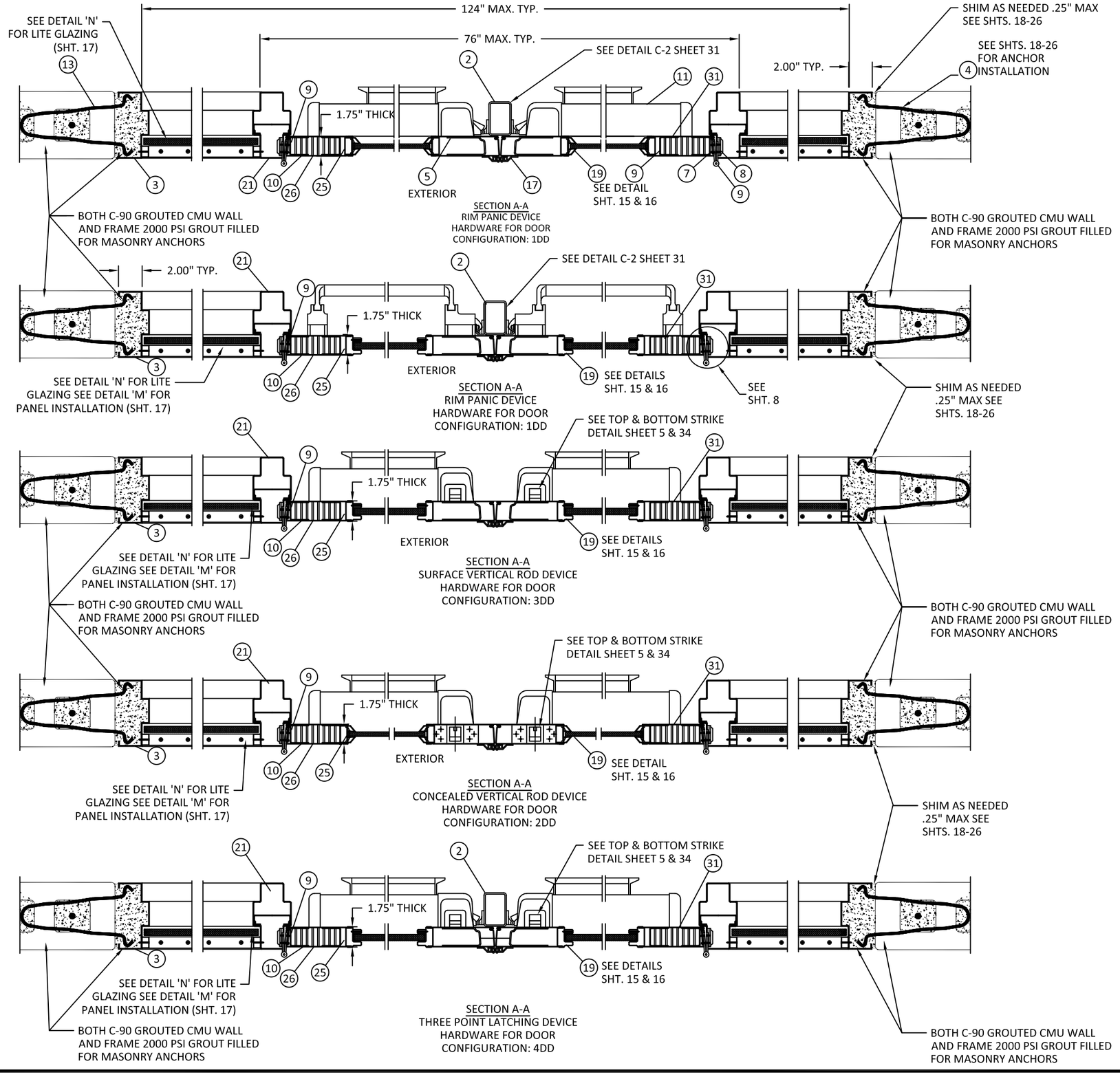
DATE: 05.16.22

DWG. BY:	CHK. BY:
CA	HFN

SCALE: NTS

DWG. #: F975W | REV L

SHEET: 6 OF 39



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

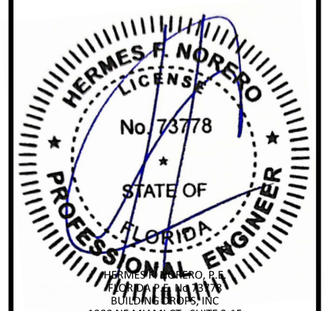
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

DOUBLE DOOR & FRAME
HORIZONTAL SECTION VIEWS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
LOCK ADDITION	MG	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

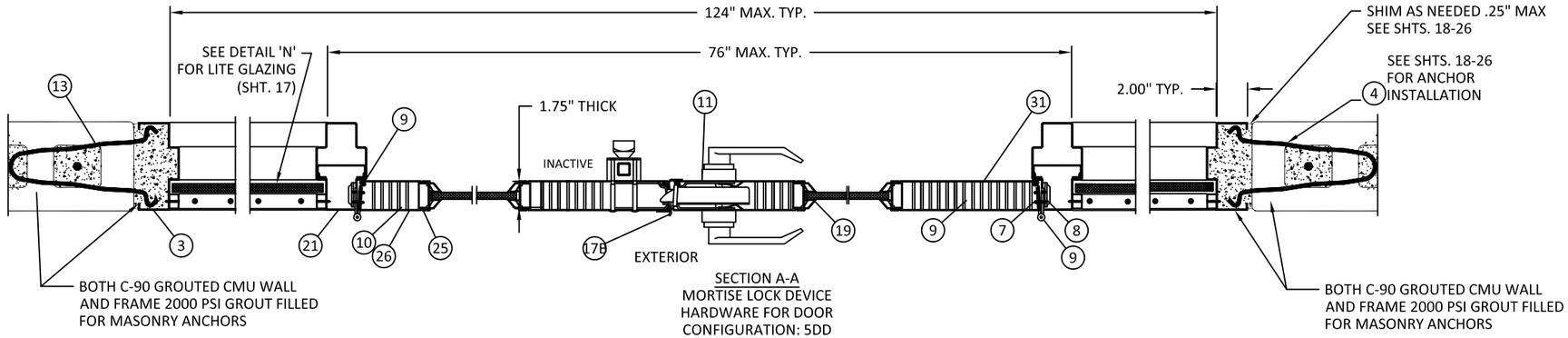
DATE: 05.16.22

DWG. BY: CA | CHK. BY: HFN

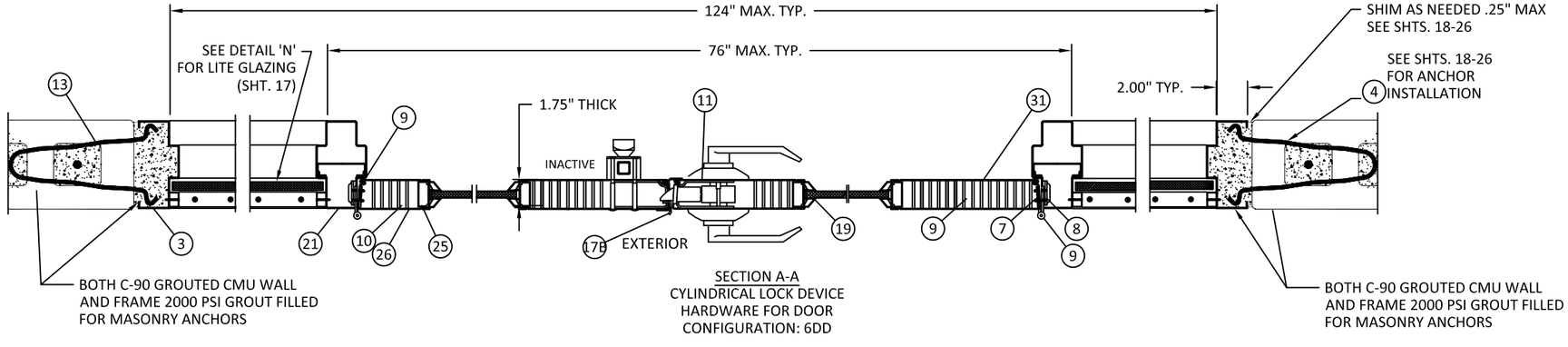
SCALE: NTS

DWG. #: F975W | REV L

SHEET: 7 OF 39



SECTION A-A
MORTISE LOCK DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 5DD



SECTION A-A
CYLINDRICAL LOCK DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 6DD

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

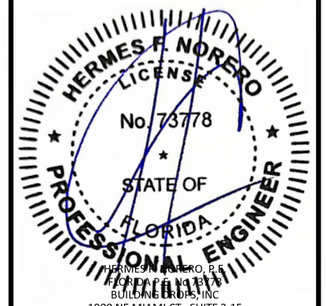
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

DOUBLE DOOR & FRAME
HORIZONTAL SECTION VIEWS
CONT.

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

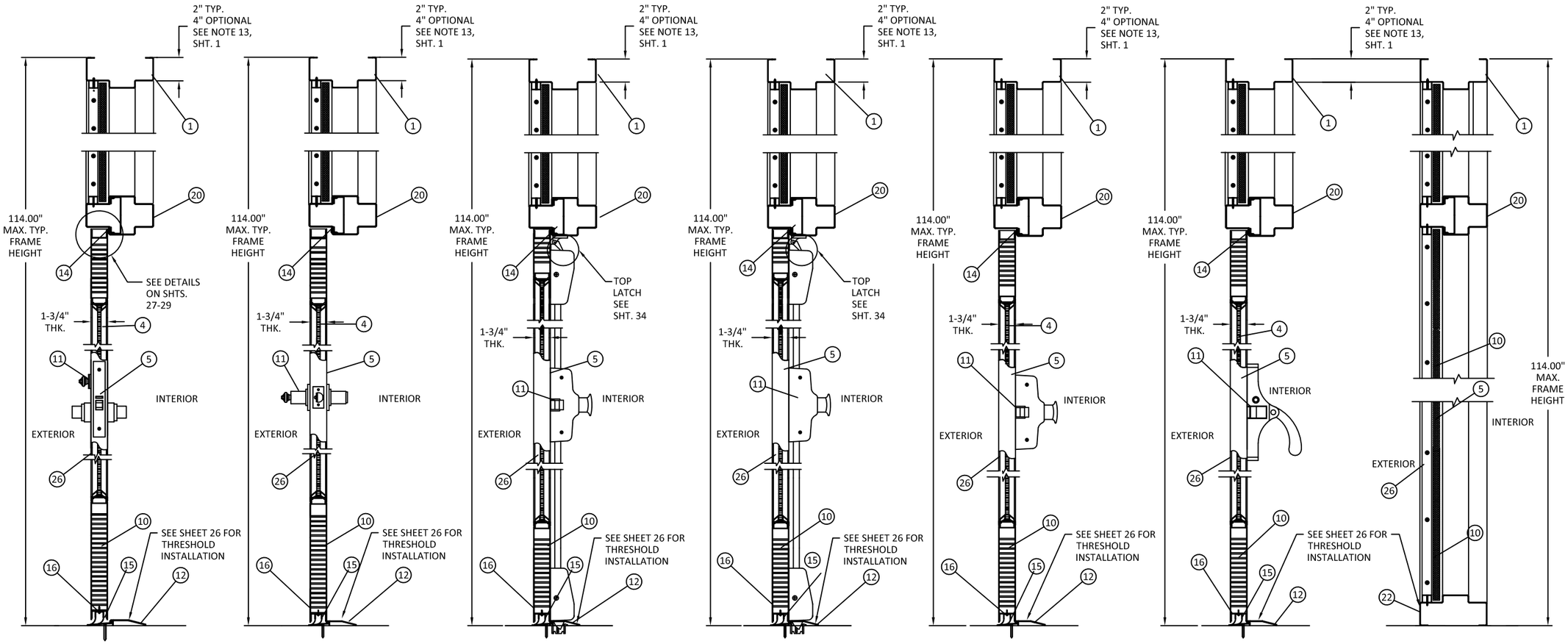
DATE: 05.16.22

DWG. BY:	CHK. BY:
CA	HFN

SCALE: NTS

DWG. #: F975W | REV L

SHEET: 8



SECTION B-B
MORTISE LOCK DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 5SD & 9SD

SECTION B-B
CYLINDRICAL LOCK DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 6SD & 10SD

SECTION B-B
THREE-POINT LATCHING DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 4SD & 8SD

SECTION B-B
SURFACE VERTICAL ROD DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 2SD

SECTION B-B
RIM EXIT DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 1SD & 7SD

SECTION B-B
RIM PANIC DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 1SD & 7SD

SECTION C-C
VERTICAL SIDE JAMB
SECTION

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

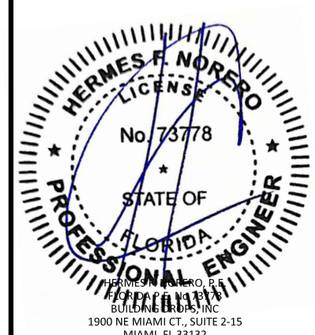
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

SINGLE DOOR & FRAME 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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



HERMES F. NORIEGA, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL1592

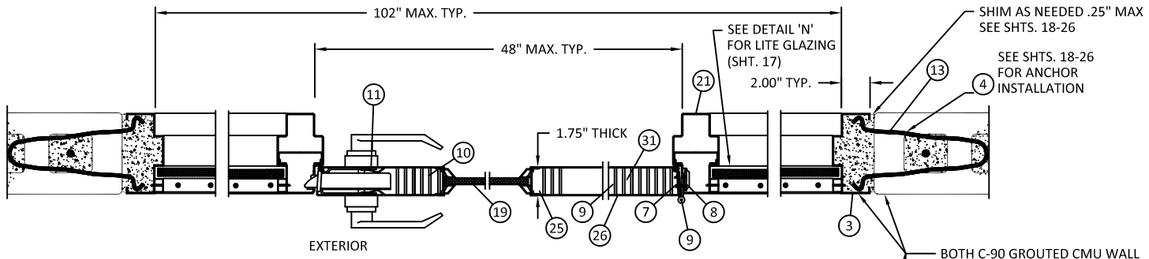
DATE: 05.16.22

DWG. BY: CA | CHK. BY: HFN

SCALE: NTS

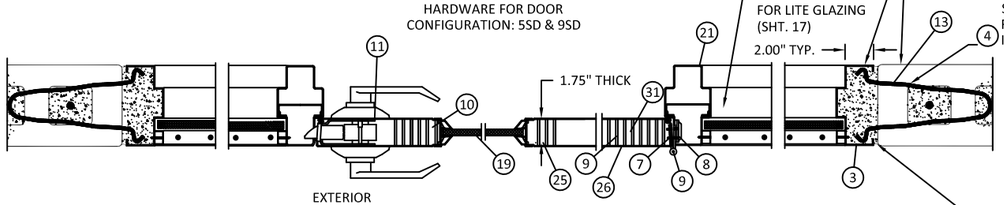
DWG. #: F975W | REV L

SHEET: 9 OF 39



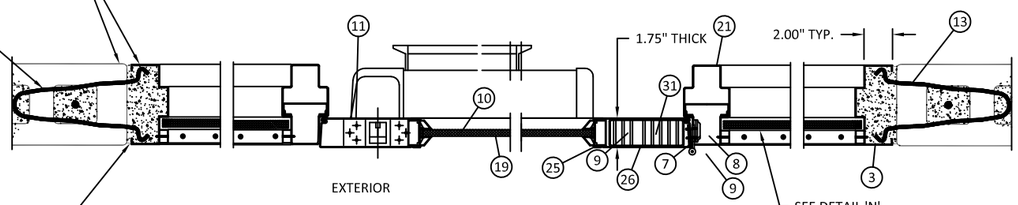
BOTH C-90 GROUTED CMU WALL AND FRAME 2000 PSI GROUT FILLED FOR MASONRY ANCHORS

SECTION A-A
MORTISE LOCK DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 5SD & 9SD



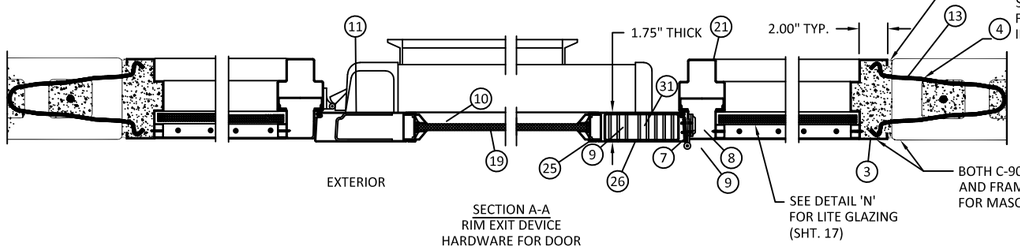
SECTION A-A
CYLINDRICAL LOCK DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 6SD & 10SD

SHIM AS NEEDED .25" MAX
SEE SHTS. 18-26



SECTION A-A
RIM EXIT DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 3SD

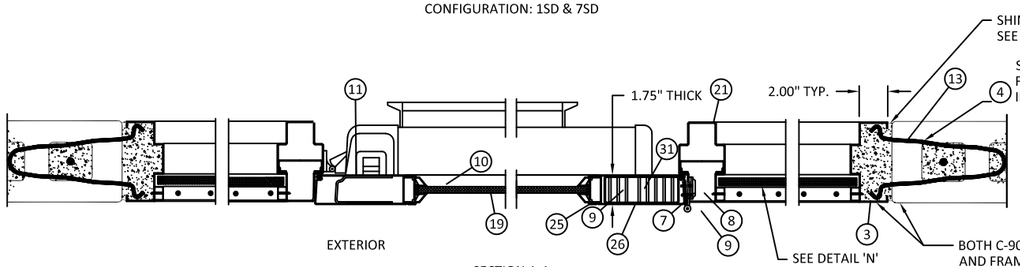
SEE DETAIL 'N'
FOR LITE GLAZING
(SHT. 17)



SECTION A-A
RIM EXIT DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 1SD & 7SD

SEE DETAIL 'N'
FOR LITE GLAZING
(SHT. 17)

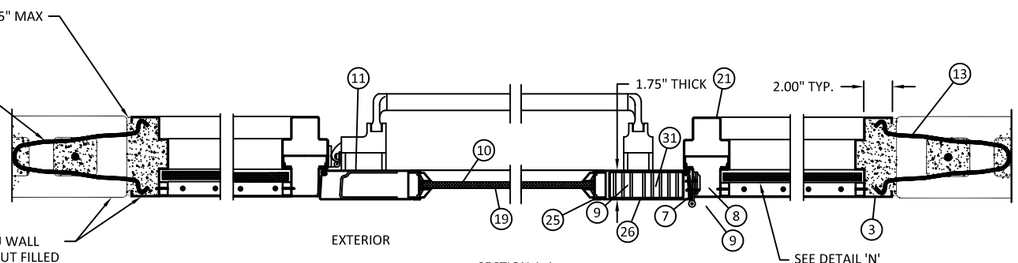
BOTH C-90 GROUTED CMU WALL AND FRAME 2000 PSI GROUT FILLED FOR MASONRY ANCHORS



SECTION A-A
THREE-POINT LATCHING DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 4SD & 8SD

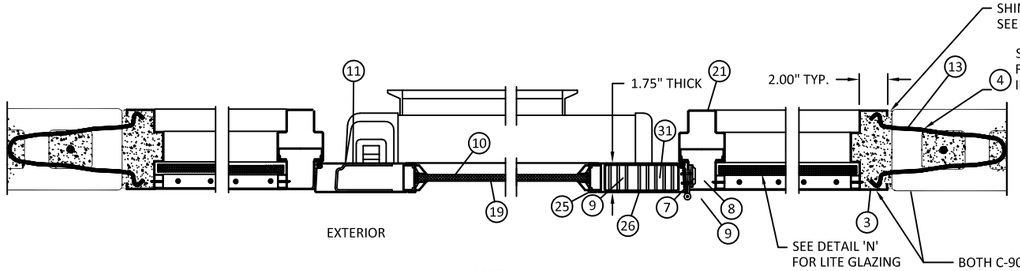
SEE DETAIL 'N'
FOR LITE GLAZING
(SHT. 17)

BOTH C-90 GROUTED CMU WALL AND FRAME 2000 PSI GROUT FILLED FOR MASONRY ANCHORS



SECTION A-A
RIM EXIT DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 1SD & 7SD

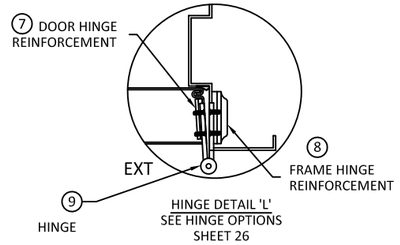
SEE DETAIL 'N'
FOR LITE GLAZING
(SHT. 17)



SECTION A-A
SURFACE VERTICAL ROD DEVICE
HARDWARE FOR DOOR
CONFIGURATION: 2SD

SEE DETAIL 'N'
FOR LITE GLAZING
(SHT. 17)

BOTH C-90 GROUTED CMU WALL AND FRAME 2000 PSI GROUT FILLED FOR MASONRY ANCHORS



HINGE DETAIL 'L'
SEE HINGE OPTIONS
SHEET 26

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

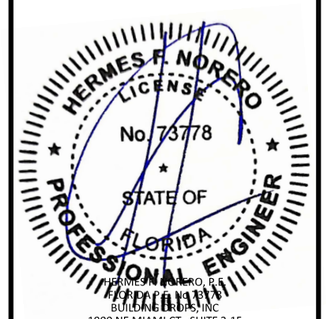
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

SINGLE DOOR & FRAME
HORIZONTAL SECTION VIEWS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
LOCK ADDITION	MG	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

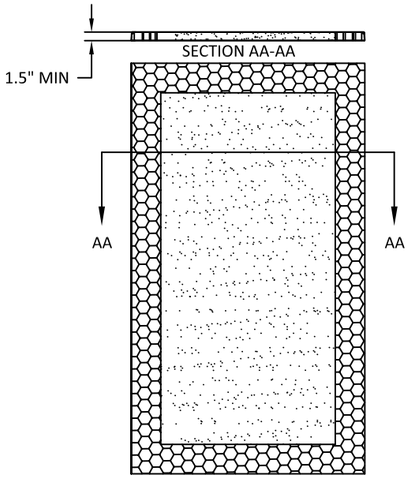
DATE: 05.16.22

DWG. BY:	CHK. BY:
CA	HFN

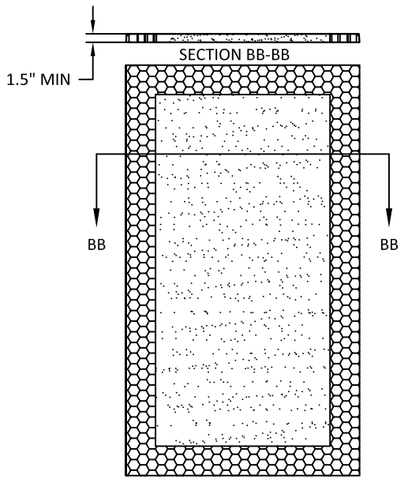
SCALE: NTS

DWG. #: F975W | REV L

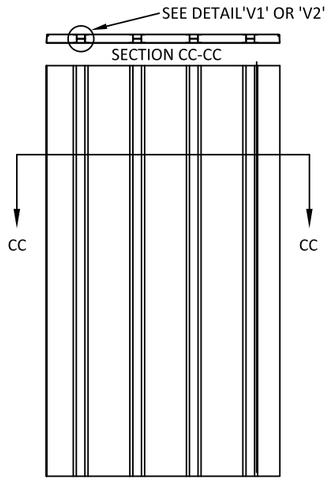
SHEET: 10 OF 39



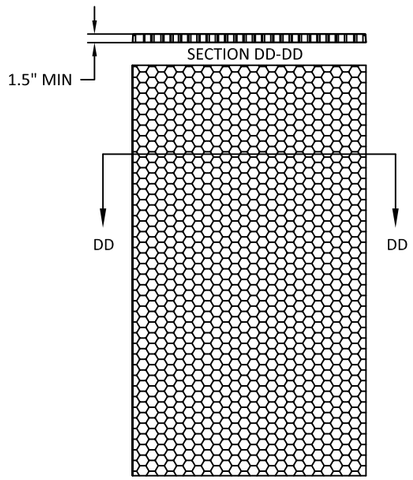
(A) EXPANDED POLYSTYRENE FOAM
DENSITY: 1.0 LBS/FT³



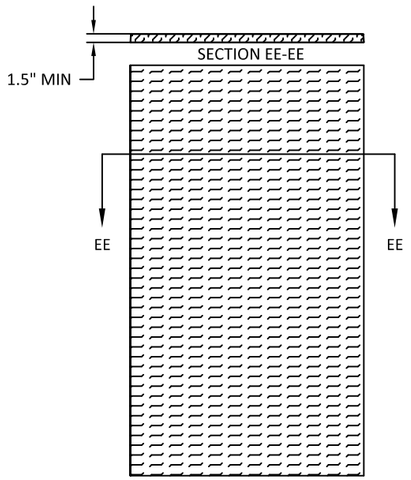
(B) POLYISOCYANURATE
(POLYURETHANE)
DENSITY:2 LBS/FT³



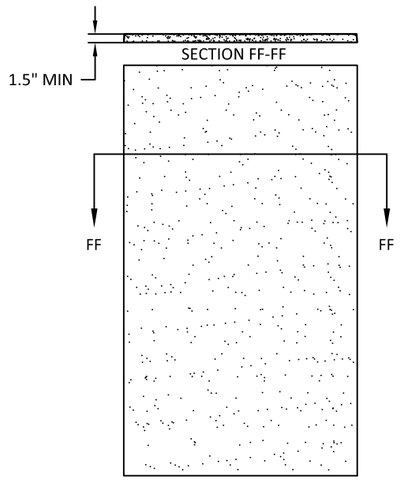
(C) STEEL STIFFENED
HAT SHAPED SECTIONS



(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

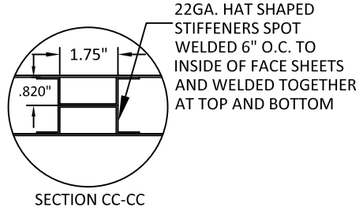


(F) EXPANDED POLYSTYRENE FOAM
DENSITY:1.0 LB/FT ^{3} OR
POLYISOCYANURATE (POLYURETHANE)
DENSITY:2 LBS/FT ^{3}

TABLE 3: AVAILABLE STEELCRAFT H-SERIES DOOR CONFIGURATIONS

CORE MATERIAL	MAXIMUM OPENING SIZE		SKIN MATERIAL	
	WIDTH	HEIGHT	DESCR.	GA./MIN. THK
HONEYCOMB POLYSTYRENE POLYURETHANE (POLYISOCYANURATE) TEMPERATURE RISE STEEL STIFFENED	VARIES SEE SHTS. 2-3 TABLE 1		CRS GALV	16/.053" 14/.067"

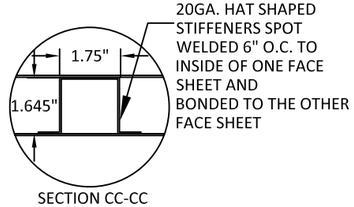
DETAIL 'V1'



22GA. HAT SHAPED STIFFENERS SPOT WELDED 6" O.C. TO INSIDE OF FACE SHEETS AND WELDED TOGETHER AT TOP AND BOTTOM

SECTION CC-CC

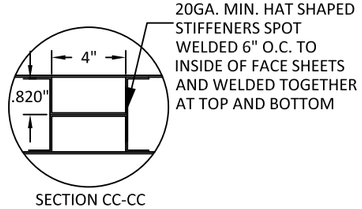
DETAIL 'V2'



20GA. HAT SHAPED STIFFENERS SPOT WELDED 6" O.C. TO INSIDE OF ONE FACE SHEET AND BONDED TO THE OTHER FACE SHEET

SECTION CC-CC

DETAIL 'V3'



20GA. MIN. HAT SHAPED STIFFENERS SPOT WELDED 6" O.C. TO INSIDE OF FACE SHEETS AND WELDED TOGETHER AT TOP AND BOTTOM

SECTION CC-CC

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

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

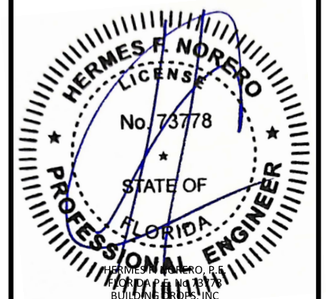
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

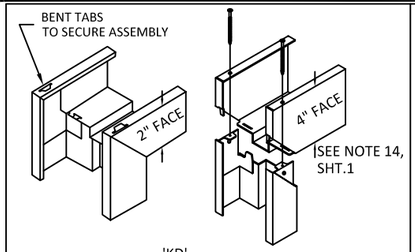
DATE: 05.16.22

DWG. BY: CA | CHK. BY: HFN

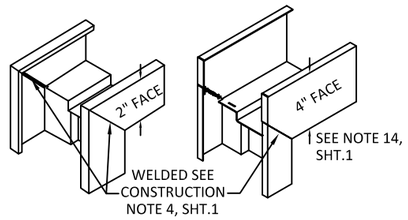
SCALE: NTS

DWG. #: F975W | REV L

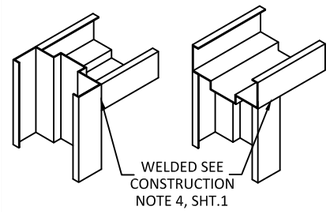
SHEET: 11 OF 39



'KD'
"KNOCKED-DOWN"
ASSEMBLY

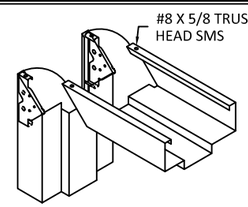


'SUA'
SET-UP AND ARC-WELDED
ASSEMBLY

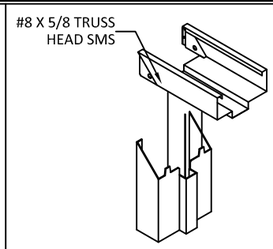


HEAD NOTCHED
AND BUTTED BETWEEN JAMBS

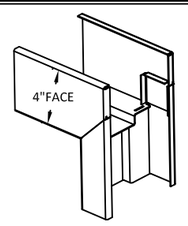
HEAD SITS ON TOP
OF NOTCHED JAMBS



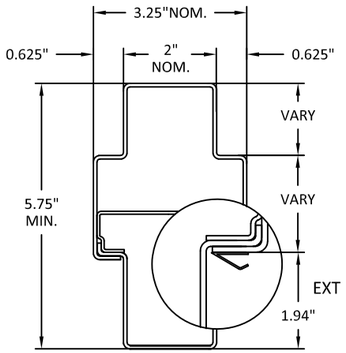
'MU'
"MULTI-USE" SERIES
KD ASSEMBLY SHOWN
WELDED CORNERS OPTIONAL



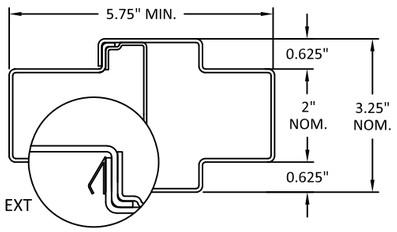
MITERED CORNER CONFIGURATION
(OPTIONAL)



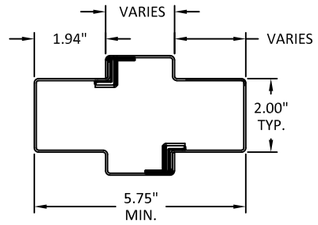
4" KD
"KNOCKED DOWN"
ASSEMBLY
(OPTIONAL)



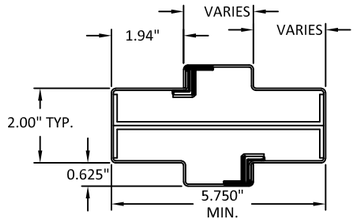
(21) HINGE MULLION
16 GA MIN.



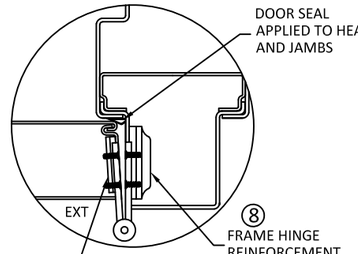
(20) TRANSOM HEAD MULLION
16 GA MIN.



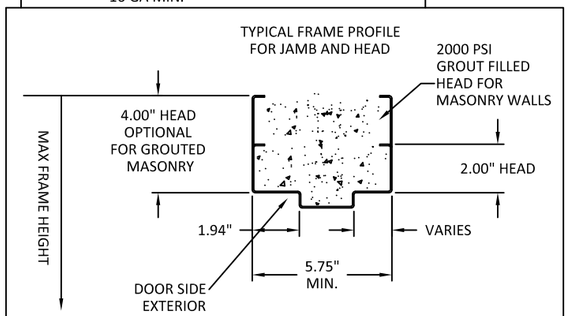
(30) MULLIONS < 4'
16 GA MIN.

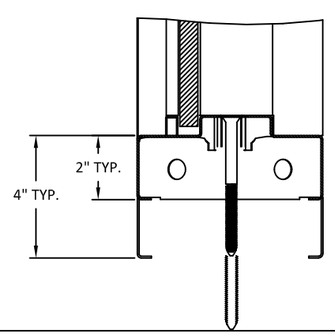


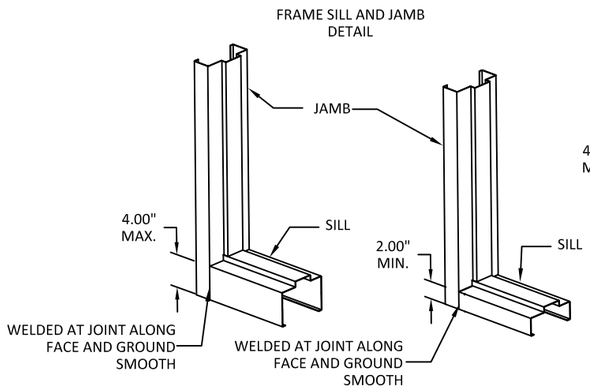
(31) MULLIONS ≥ 4'
16 GA MIN.

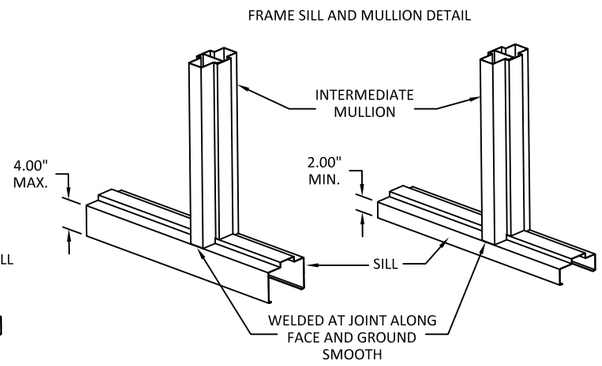


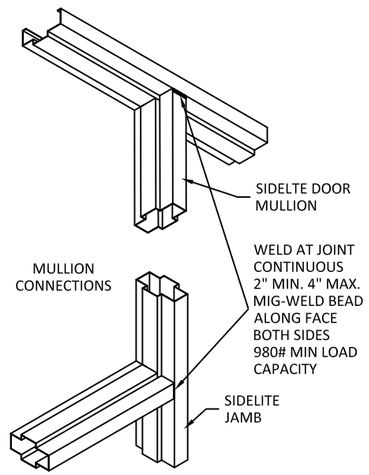
SEE HINGE OPTIONS SHEET 30











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

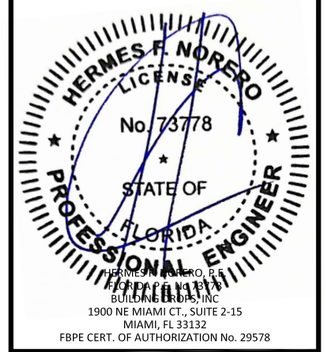
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

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
WEB: www.buildingdrops.com

REMARKS	BY	DATE
LOCK ADDITION	MG	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

DWG. BY:	CHK. BY:
CA	HFN

SCALE: NTS

DWG. #: F975W | REV L

SHEET: 12 OF 39

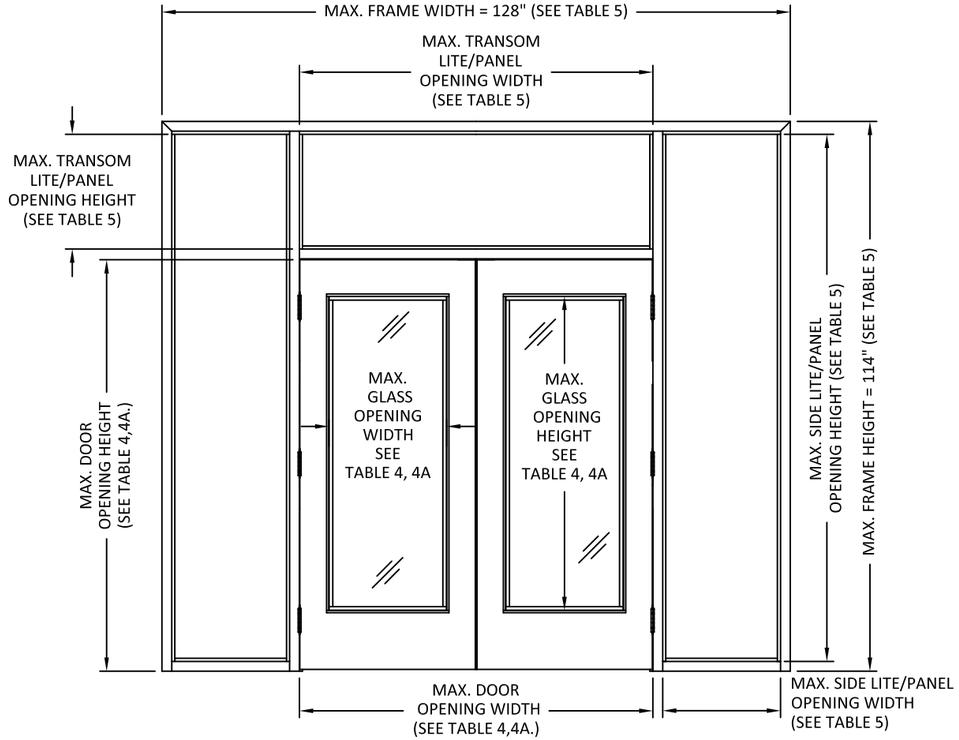


TABLE 4: AVAILABLE STEELCRAFT H-SERIES DOOR CONFIGURATIONS (SEE NOTE 2.4)

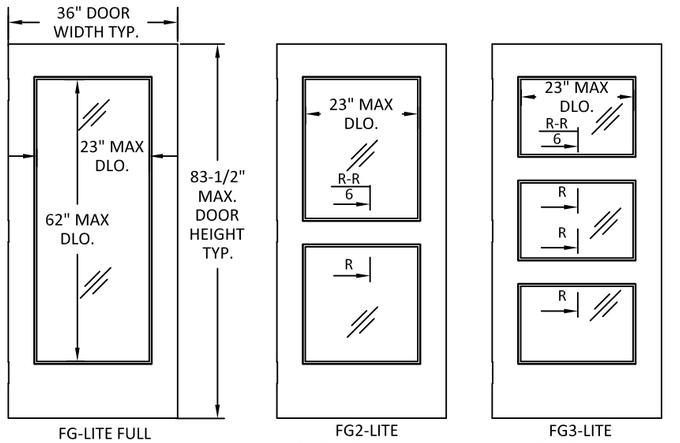
CORE MATERIAL PER SHT.7	DOOR OPENING SIZE, MAX.		SKIN MATERIAL		GLASS OPENING SIZE, MAX.		GLAZING MATERIAL	
	WIDTH	HEIGHT	DESCR.	GA./MIN. THK	WIDTH	HEIGHT	DESCR.	THICKNESS
HONEYCOMB POLYSTYRENE POLYURETHANE STEEL STIFFENED	6'0" (72") OR * 3'0" (36")	7'0" (84") OR 7'0" (84")	CRS GALV Fy MIN=41.5KSI	16/.053" 14/.067"	* 1'11" (23")	* 5'2" (62")	POLYCARBONATE LEXAN BY SABIC MAKROLON BY BAYER	1/2" TYP.
							LAMINATED GLASS WITH 0.09" KURARAY SENTRYGLAS INTERLAYER	9/16" MIN.
							LAMINATED GLASS SUPERLITE II BY SAFTI	1-1/16" OR 1-7/16" MIN.

TABLE 4A: AVAILABLE STEELCRAFT H-SERIES SINGLE DOOR CONFIGURATIONS (SEE NOTE 2.4)

CORE MATERIAL PER SHT.7	DOOR OPENING SIZE, MAX.		SKIN MATERIAL		GLASS OPENING SIZE, MAX.		GLAZING MATERIAL	
	WIDTH	HEIGHT	DESCR.	GA./MIN. THK	WIDTH	HEIGHT	DESCR.	THICKNESS
HONEYCOMB POLYSTYRENE POLYURETHANE STEEL STIFFENED	4'0" (48")	7'0" (84")	CRS GALV	16/.053" 14/.067"	2'-10.25" (34.25")	5'-2" (62")	POLYCARBONATE LEXAN BY SABIC MAKROLON BY BAYER	1/2" TYP.
							LAMINATED GLASS WITH 0.09" KURARAY SENTRYGLAS INTERLAYER	9/16" MIN.
							LAMINATED GLASS SUPERLITE II BY SAFTI	1-1/16" OR 1-7/16" MIN.

*SEE SHEET 3 FOR HARDWARE OPTIONS AVAILABLE FOR SINGLE DOORS OVER 3'-0" WIDE.

AVAILABLE DOOR-LITE CONFIGURATIONS (SEE SHT. 14)



SEE SHEET 14 FOR DETAIL R

TABLE 5: AVAILABLE STEELCRAFT FRAME CONFIGURATIONS (SEE NOTE 1.)

FRAME SERIES	JAMB DEPTH	FRAME MATERIAL		FRAME SIZE, MAX.		TRAMSOM LITE/PANEL OPENING SIZE, MAX.		SIDE LITE/PANEL OPENING SIZE, MAX.		GLAZING MATERIAL	
		DESCR.	GA./MIN. THK	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	DESCRIPTION	THICKNESS
F	5.75" MIN.	CRS/HRS GALV	16/.053" 14/.067" 12/.093"	10'8" (128")	9'6" (114")	6'0" (72")	2'2" (26")	2'0" (24")	9'2" (110")	POLYCARBONATE LEXAN BY SABIC INNOVATIVE PLASTICS	1/2" TYP.
										LAMINATED GLASS WITH 0.09" KURARAY SENTRYGLAS INTERLAYER	9/16" MIN.
										LAMINATED GLASS SUPERLITE II BY SAFTI	1-1/16" OR 1-7/16" MIN.
MU	5.75" MIN.	CRS/HRS GALV	16/.053" 14/.067"							SIDE/TRANSOM PANEL WITH HONEYCOMB CORE POLYSTYRENE CORE POLYURETHANE CORE	1.75"

TABLE 6: STEEL DOOR & FRAME MECHANICAL PROPERTIES

MATERIAL	ASTM REF.	YIELD KSI	TENSILE KSI
CRS	A1008	MIN. 41.5	MIN. 52.9
HRS	A1011		
GALV:	A924/A653		

NOTES:

1. FRAME CONSTRUCTION
1.1. MINIMUM JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"
1.2. FRAMES AVAILABLE AS FLUSH AND MULT USE (SEE TABLE 5)
1.3. FOR GLAZING DETAILS REFER TO SHEETS 15, 16 & 17.
1.4. SIDE/TRANSOM LITE/PANEL SIZES SHOWN (AS TESTED) ARE MAX. SIZES AVAILABLE. MULTIPLE LITES/PANELS ARE ACCEPTABLE WITH TOTAL DIMENSIONS LESS OR EQUAL TO THE SHOWN MAX. DIMENSIONS SHOWN IN TABLE 5.

2. DOOR CONSTRUCTION
2.1. NOMINAL DOOR THICKNESS - 1 3/4"
2.2. GLASS OPENING SIZE (SEE TABLE 3 & 3A) IS MAX SIZE AVAILABLE FOR DOOR OPENING. ALL SMALLER SIZES ARE ACCEPTABLE, AS DETERMINED BY FBC.
2.3. MAXIMUM GLASS OPENING SIZE WILL CHANGE IN PROPORTION WITH DOOR SIZE TESTED.
2.4. DOOR-LITE CONFIGURATIONS: SEE SHTS. 14, 15 & 16.
2.5. FOR GLAZING DETAILS REFER TO SHEET 15 & 16.

3. SEE TABLE 6, FOR MATERIAL SPECIFICATIONS FOR DOORS & FRAMES.

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

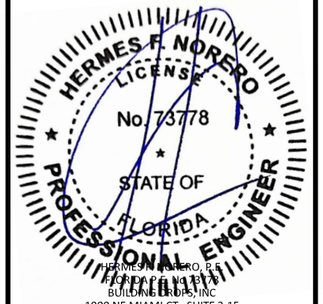
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

STEELCRAFT DOOR & FRAME CONFIGURATIONS AND MATERIAL SPECS.

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



FL1592

DATE: 05.16.22

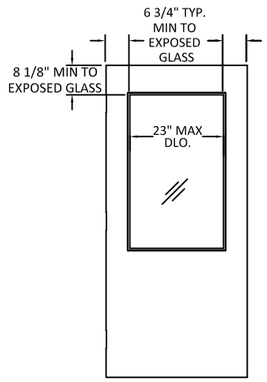
DWG. BY: CA | CHK. BY: HFN

SCALE: NTS

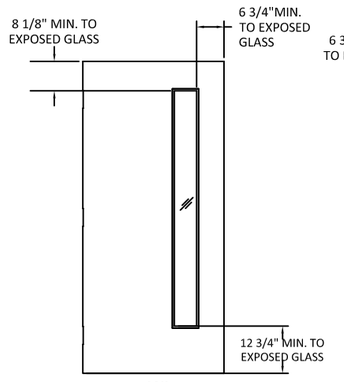
DWG. #: F975W | REV L

SHEET: 13 OF 39

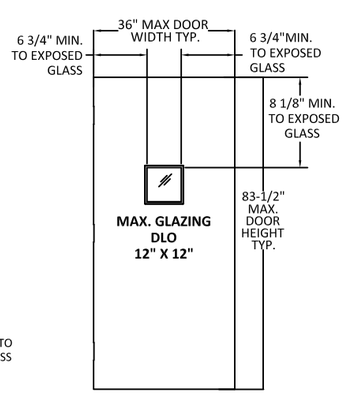
AVAILABLE DOOR PANEL CONFIGURATIONS



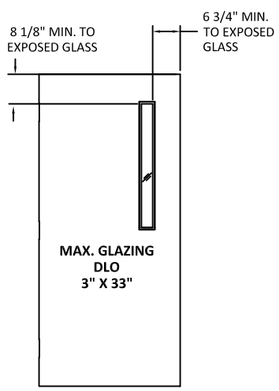
G-LITE
HALF GLASS



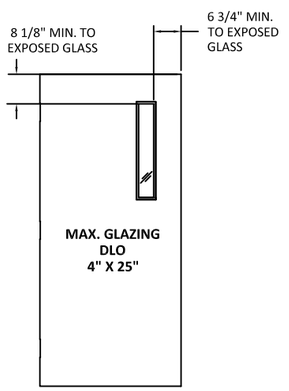
LNL
LONG NARROW LITE



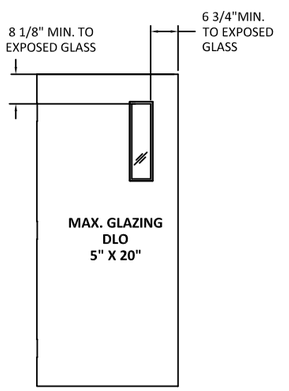
V
VISION LITE



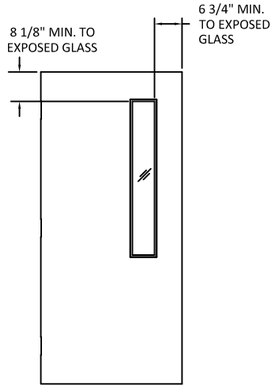
N3



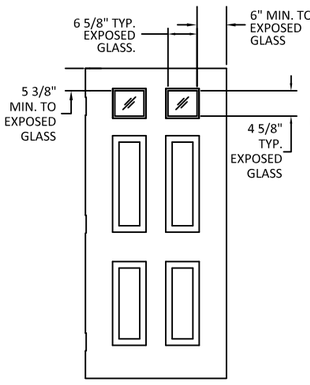
N4



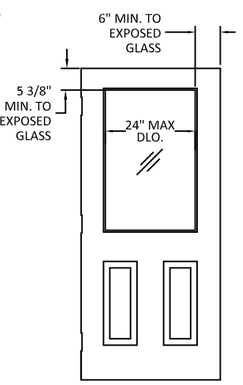
N5



N
NARROW LITE

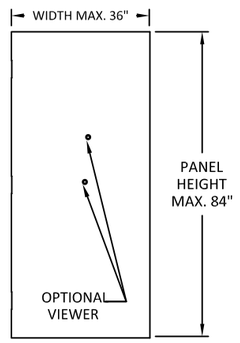


E4 TL

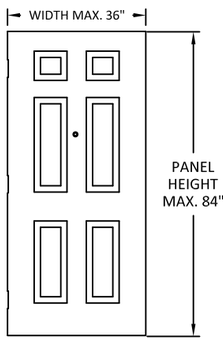


E2 G

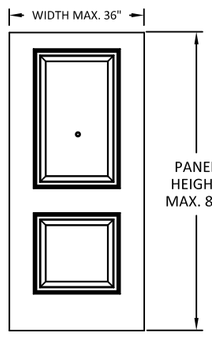
TYPICAL EMBOSSED PANEL DOORS



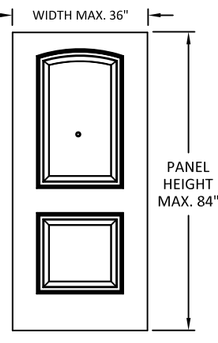
FLUSH



EMBOSSED PANEL

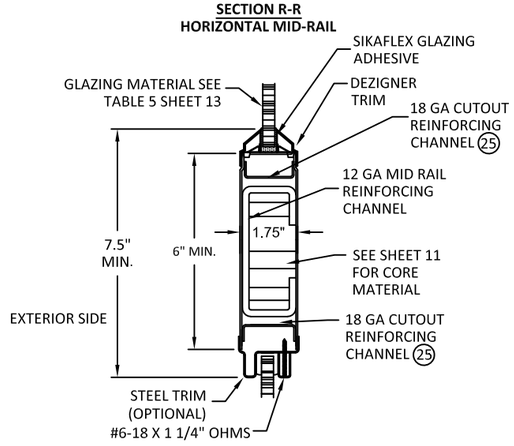


EMBOSSED PANEL

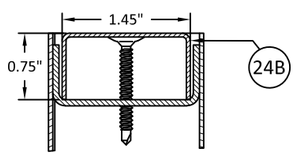


EMBOSSED PANEL

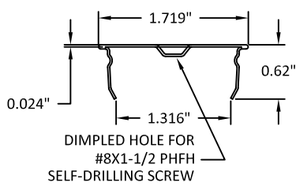
SECTION R-R
HORIZONTAL MID-RAIL



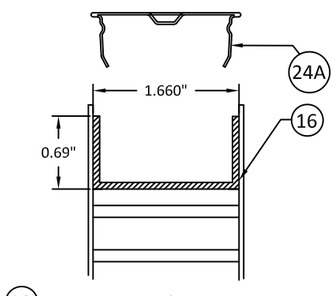
NOTES:
1. SEE SHEET 13 FOR 4-0 WIDE SINGLE DOOR QUALIFICATIONS
2. DOOR CONSTRUCTION
2.1. NOMINAL DOOR THICKNESS - 1 3/4"
2.2. GLASS OPENING SIZE (SEE TABLE 4 & 4A. SHEET 13) IS MAX SIZE AVAILABLE FOR DOOR OPENING. ALL SMALLER SIZES ARE ACCEPTABLE, AS PERMITTED BY FBC.
2.3. MAXIMUM GLASS OPENING SIZE WILL CHANGE IN PROPORTION WITH DOOR SIZE.
2.4. FOR DOOR GLAZING DETAILS REFER TO SHEET 15 & 16.
2.5. WHEN USING CONTINUOUS HINGE THE MINIMUM DISTANCE FROM DOOR EDGE TO EXPOSED GLASS IS 6 1/4" AT STILES AND 7-1/2" AT MID RAILS.
3. VERIFY GLAZING OPTION ON SHEET 15 & 16 IS AVAILABLE FOR GLASS LITE TYPE AND SIZE.



24B STEELCRAFT: 18 GA FLUSH TOP CAP (OPTIONAL)



24A STEELCRAFT: 24 GA TOP CAP (OPTIONAL)



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

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

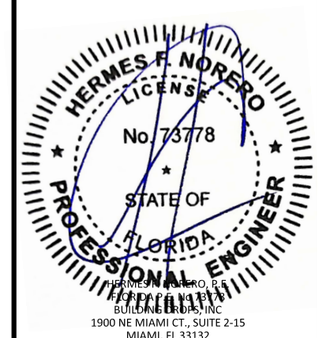
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

DOOR CONFIGURATIONS

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

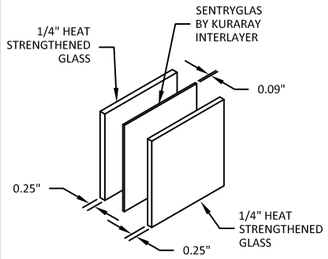
DWG. BY: CA | CHK. BY: HFN

SCALE: NTS

DWG. #: F975W | REV L

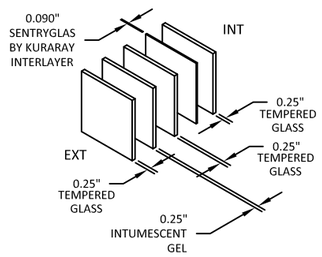
SHEET: 14 OF 39

GLAZING TYPE 1



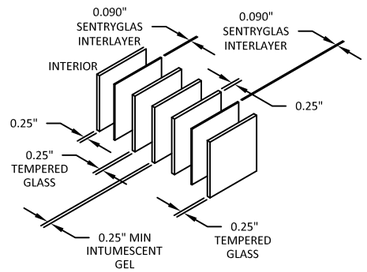
GLAZING TYPE 1 DETAIL
9/16" HS LAMINATED GLASS WITH SENTRYGLAS INTERLAYER

GLAZING TYPE 2



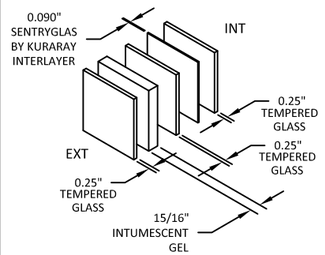
GLAZING TYPE 2 DETAIL
1-1/16" SUPERLITE II-XL™
BY SAFTI
WITH SENTRYGLAS INTERLAYER

GLAZING TYPE 3



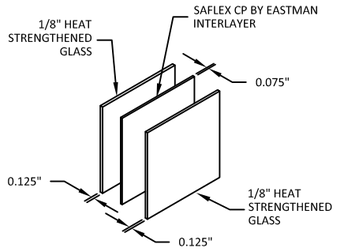
GLAZING TYPE 3 DETAIL
FIRE RATED 1-7/16"
SUPERLITE II-XL™ BY SAFTI
WITH SENTRYGLAS
INTERLAYER BY KURARAY

GLAZING TYPE 4



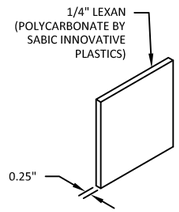
GLAZING TYPE 4 DETAIL
1-13/16" SUPERLITE II-XL™
BY SAFTI
WITH SENTRYGLAS INTERLAYER

GLAZING TYPE 5



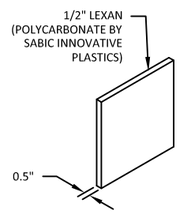
GLAZING TYPE 5 DETAIL
5/16" HS LAMINATED GLASS WITH
SAFLEX CP INTERLAYER

GLAZING TYPE 6



GLAZING TYPE 6 DETAIL
1/4" LEXAN BY SABIC

GLAZING TYPE 7



GLAZING TYPE 7 DETAIL
1/2" LEXAN BY SABIC

TABLE 7. GLAZING TYPES AND METHODS

GLAZING		TRIM		SEALANT ADHESIVE	GLAZING ADHESIVE
TYPE	MATERIAL	TYPE	DESCRIPTION		
1	9/16" HS LAMINATED GLASS WITH SENTRYGLAS INTERLAYER	A	DEZIGNER (1/2")	SIKAFLEX 552	SIKAFLEX 552 OR DOW CORNING 995/975/983 1/16" X 5/8" BEAD
		B	STEEL TRIM		
		F	1" STEEL TRIM		
2	1-1/16" SUPERLITE II-XL™ BY SAFTI WITH SENTRYGLAS INTERLAYER	E	SECURITY VISION FRAME SG-10 BY NGP ANEMOSTAT OR VLF-S10 BY AIR LOUVERS	NONE	SIKAFLEX 552 OR DOW CORNING 995/975/983 1/16" X 5/8" BEAD
		F	1" STEEL TRIM		
3	1-7/16" SUPERLITE II-XL™ BY SAFTI WITH SENTRYGLAS INTERLAYER	E	SECURITY VISION FRAME SG-10 BY NGP ANEMOSTAT OR VLF-S10 BY AIR LOUVERS	NONE	SIKAFLEX 552 OR DOW CORNING 995/975/983 1/16" X 5/8" BEAD
4	1-13/16" SUPERLITE II-XL™ BY SAFTI WITH SENTRYGLAS INTERLAYER	E	SECURITY VISION FRAME SG-10 BY NGP ANEMOSTAT OR VLF-S10 BY AIR LOUVERS	NONE	SIKAFLEX 552 OR DOW CORNING 995/975/983 1/16" X 5/8" BEAD
5	5/16" HS LAMINATED GLASS WITH SAFLEX CP BY EASTMAN INTERLAYER	C	VLF-IGHRC	DOW 995	DOW 995
6	LEXAN BY SABIC INNOVATIVE PLASTICS 1/4"	A	DEZIGNER (1/4")	SIKAFLEX 552	SIKAFLEX 222UV OR 295UV 1/16" X 5/8" BEAD
		B	STEEL TRIM		
		F	1" STEEL TRIM		
		D	VLF-EZHRC	DOW 995	DOW 995
7	LEXAN BY SABIC INNOVATIVE PLASTICS 1/2"	A	DEZIGNER (1/2")	SIKAFLEX 552	SIKAFLEX 222UV OR 295UV 1/16" X 5/8" BEAD
		B	STEEL TRIM		
		F	1" STEEL TRIM		

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

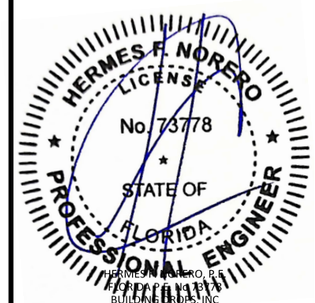
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

GLAZING 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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

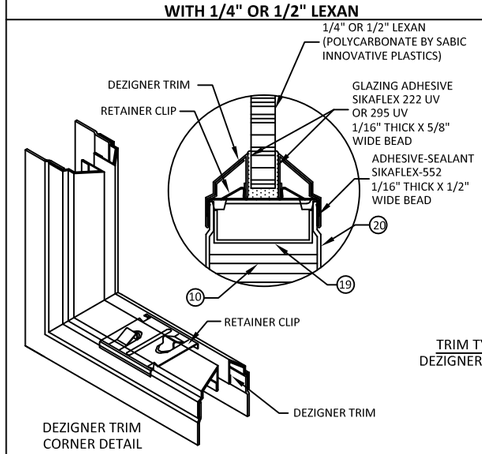
DWG. BY: CA | CHK. BY: HFN

SCALE: NTS

DWG. #: F975W | REV L

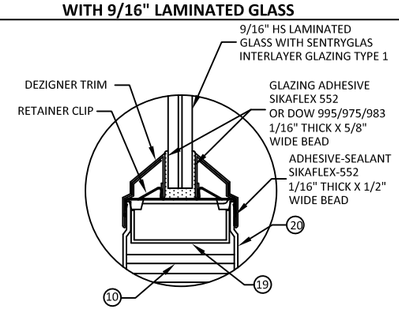
SHEET: 15 OF 39

TRIM TYPE A
WITH 1/4" OR 1/2" LEXAN



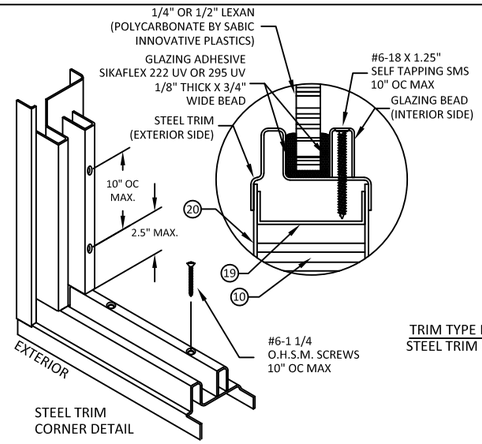
DEZIGNER TRIM
CORNER DETAIL

TRIM TYPE A
WITH 9/16" LAMINATED GLASS



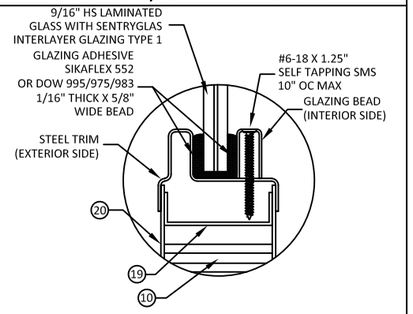
TRIM TYPE A DETAIL
DEZIGNER TRIM OPTIONS

TRIM TYPE B
WITH LEXAN



STEEL TRIM
CORNER DETAIL

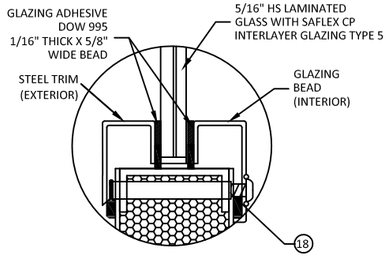
TRIM TYPE B
WITH 9/16" LAMINATED GLASS



TRIM TYPE B DETAIL
STEEL TRIM OPTIONS

TRIM TYPE C
WITH 5/16" LAMINATED GLASS

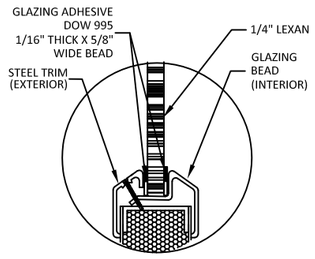
TRIM TYPE C DETAIL
AIR LOUVER VLF-IGHRC OPTION



VLF-IGHRC MAX. SIZE:
30" x 60.5"

TRIM TYPE D
WITH 1/4" LEXAN

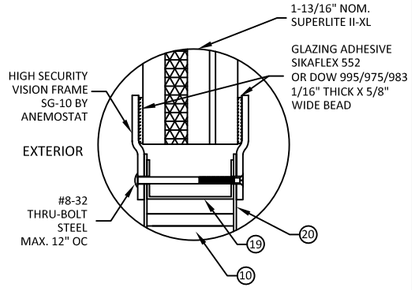
TRIM TYPE D DETAIL
AIR LOUVER VLF-EZHRC OPTION



VLF-EZHRC MAX. SIZE:
23.5" x 62.375"

TRIM TYPE E
WITH SUPERLITE II-XL

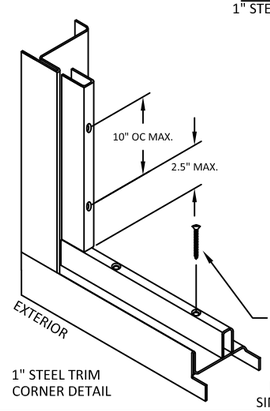
TRIM TYPE E DETAIL
VISION FRAME OPTION



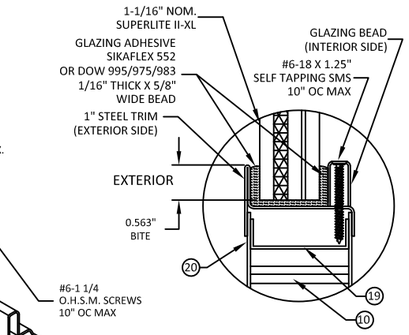
SECURITY VISION
FRAME SG-10 BY NGP ANEMOSTAT
OR VLF-S10 BY AIR LOUVERS
PROFILE SHOWN FOR 1-13/16" GLASS (GLAZING TYPE 4)
SIMILAR DETAILS APPLY FOR GLAZING TYPES 2 AND 3

TRIM TYPE F
WITH SUPERLITE II-XL

TRIM TYPE F DETAIL
1" STEEL TRIM OPTION

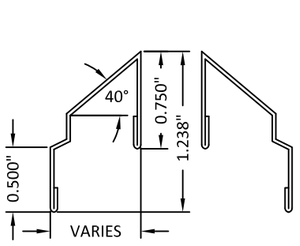


1" STEEL TRIM
CORNER DETAIL

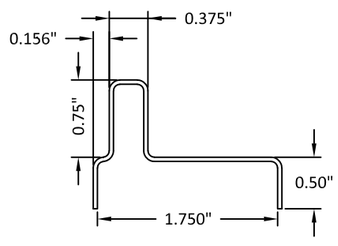


1" STEEL TRIM
DETAIL SHOWS 1-1/16" GLASS (GLAZING TYPE 2)
SIMILAR DETAILS APPLY FOR GLAZING TYPES 1 AND 7

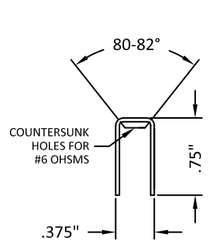
NOTES:
1. SEE SHT. 4 & 37 FOR ELEVATIONS, SHTS. 2-3 FOR SIZES AND SHTS. 13, 14, 38 & 39 FOR DOOR & FRAME MATERIAL SPECIFICATIONS.
2. SEE SHTS. 18-26 FOR ANCHOR REQUIREMENTS, WALL CONSTRUCTION AND ANCHORING SYSTEM
3. SEE SHTS. 12 & 37 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS
4. APPROVED HARDWARE TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. VERIFY GLAZING MATERIAL IS AVAILABLE IN SIZE REQUIRED.
6. CUT OUT REINFORCEMENT CHANNEL MAY BE INSTALLED INVERTED OR FLUSH.



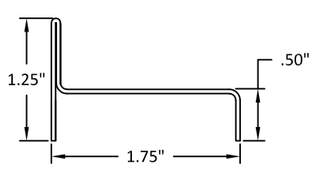
Ⓐ DEZIGNER TRIM PROFILE
MATERIAL: 24 GA A40 STEEL



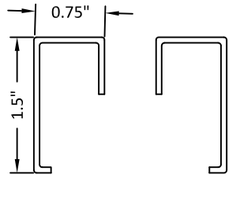
Ⓑ STEEL TRIM
MATERIAL: 20GA A40 STEEL



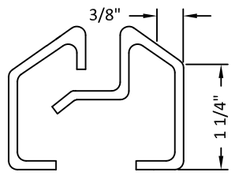
GLAZING BEAD FOR
STEEL OVERLAPPING
TRIMS
20 GAGE A40 STL



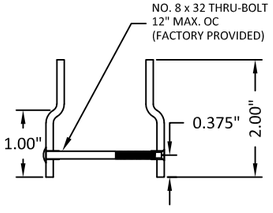
Ⓕ 1" STEEL TRIM
MATERIAL: 20 GAGE A40 STEEL



Ⓒ VLF-IGHRC GLASS KIT
BY AIR LOUVERS



Ⓓ VLF-EZHRC GLASS KIT
BY AIR LOUVERS



Ⓔ HIGH SECURITY
METAL VISION FRAME
MATERIAL: 12 GAGE OR 10 GAGE
NGP ANEMOSTAT SG-10 AND
AIR LOUVERS VLF-S10

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

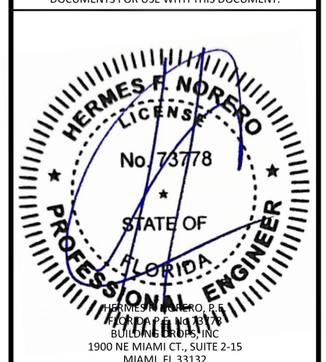
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

GLAZING TRIM 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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

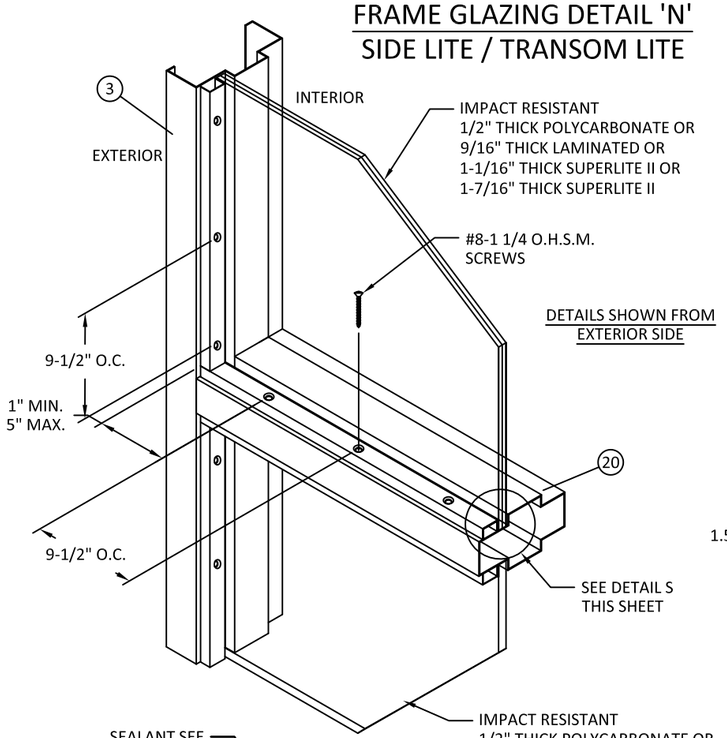
DWG. BY: CA | CHK. BY: HFN

SCALE: NTS

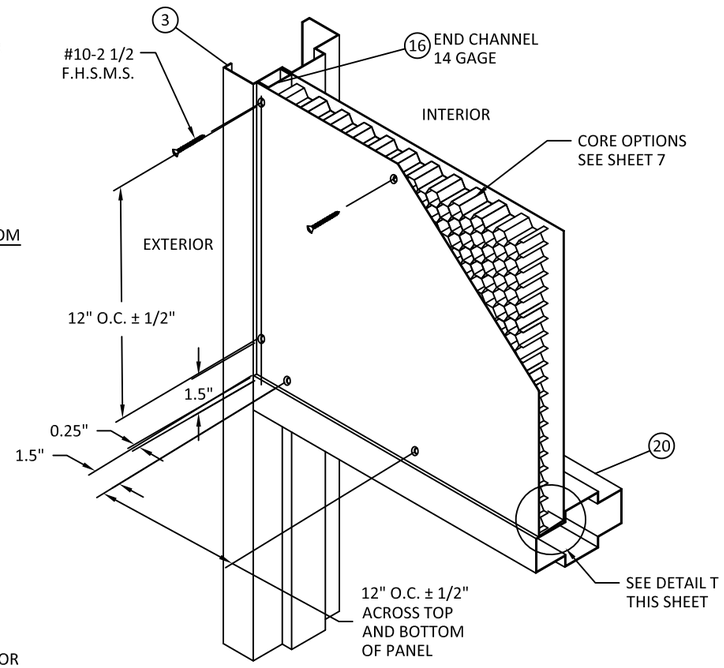
DWG. #: F975W | REV L

SHEET: 16 OF 39

FRAME GLAZING DETAIL 'N'
SIDE LITE / TRANSOM LITE



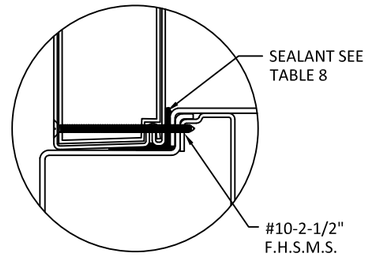
FRAME GLAZING DETAIL 'M'
SIDE / TRANSOM STEEL PANEL



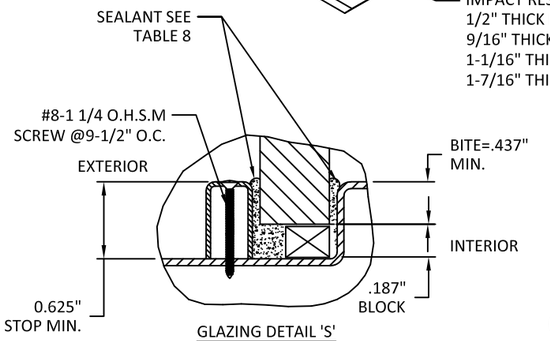
SIDELITE/TRANSOM PANEL CONSTRUCTION:
CORE MATERIAL
- HONEYCOMB W/1" CELL SIZE
- POLYSTYRENE CORE
- POLYURETHANE CORE
SKIN MATERIAL (SIDELITE/TRANSOM)
- 16 GA (.053" MIN. THK)

TABLE 8: SIDELITE & TRANSOM GLAZING OPTIONS

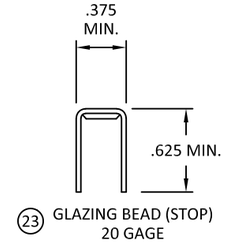
GLAZING TYPES AND METHODS	
TRANSOM & SIDELITE GLAZING OPTIONS	GLAZING SEALANT
1/2" TYP. POLYCARBONATE	SIKAFLEX 222UV,295UV,552 OR DOW CORNING 995/983
9/16" TYP. HS LAMINATED GLASS	SIKAFLEX 222UV,295UV,552 OR DOW CORNING 995/983
1-1/16" TYP.THICK SUPERLITE II-XLTM	SIKAFLEX 222UV,295UV,552 OR DOW CORNING 995/983
1-7/16" TYP.THICK SUPERLITE II-XLTM	SIKAFLEX 222UV,295UV ,552 OR DOW CORNING 995/983
1-3/4" THICK STEEL PANEL	SIKAFLEX 222UV,295UV,552 OR DOW CORNING 995/983



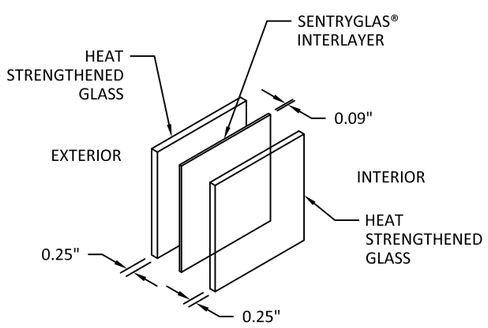
INSTALLATION DETAIL 'T'
SIDELITE/TRANSOM PANEL



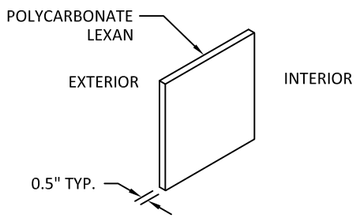
GLAZING DETAIL 'S'
9/16" HS LAMINATED GLASS,
1/2" POLYCARBONATE AND
1-1/16" SUPERLITE II-XL BY SAFTI



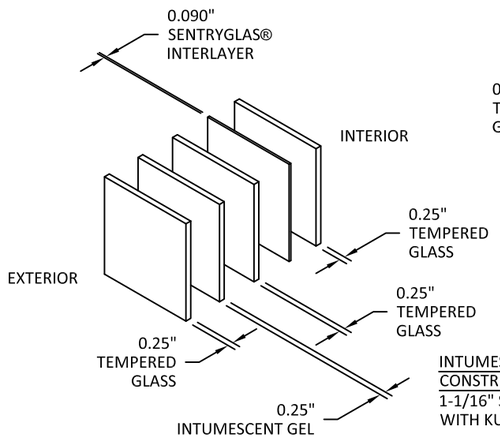
23 GLAZING BEAD (STOP)
20 GAGE



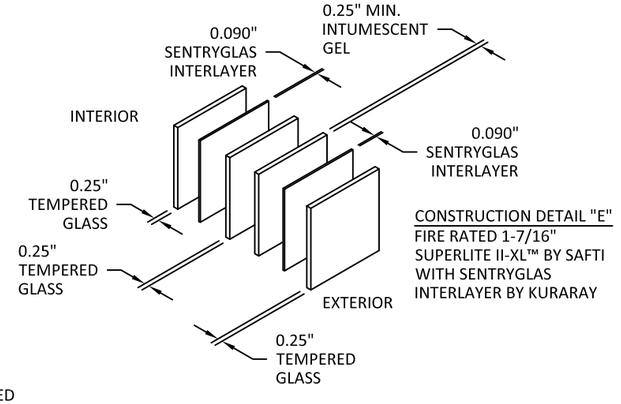
GLASS CONSTRUCTION DETAIL
9/16"HS LAMINATED GLASS WITH
KURARAY SENTRYGLAS INTERLAYER



CONSTRUCTION DETAIL
POLYCARBONATE
(LEXAN BY SABIC INNOVATIVE
PLASTICS)



INTUMESCENT GLASS
CONSTRUCTION DETAIL 'H'
1-1/16" SUPERLITE II-XL™ BY SAFTI
WITH KURARAY SENTRYGLAS INTERLAYER



CONSTRUCTION DETAIL "E"
FIRE RATED 1-7/16"
SUPERLITE II-XL™ BY SAFTI
WITH SENTRYGLAS
INTERLAYER BY KURARAY

NOTES:
1. SEE SHTS. 4, 13, 15, 16, 37 AND 38 FOR ELEVATION, MATERIAL AND SIZE
2. SEE SHTS. 18-26 FOR WALL CONSTRUCTION AND ANCHORING SYSTEM
3. SEE SHTS. 8-16, 32, & 38 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS
4. HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS

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

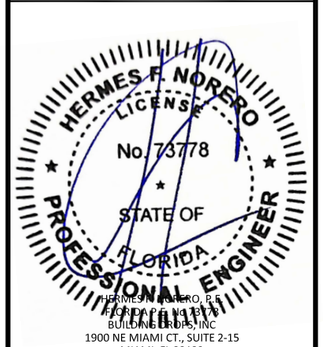
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

GLAZING PANEL 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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

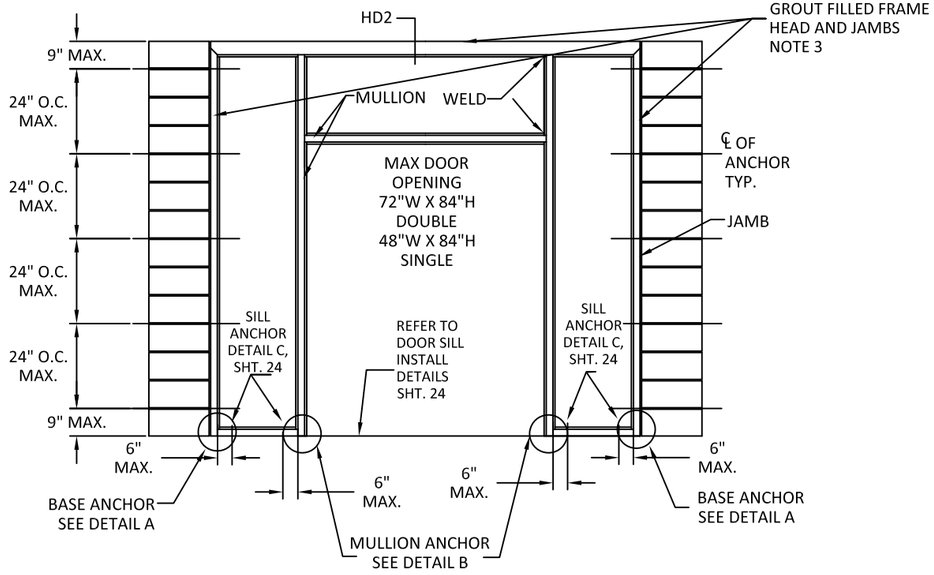
DWG. BY: CA | CHK. BY: HFN

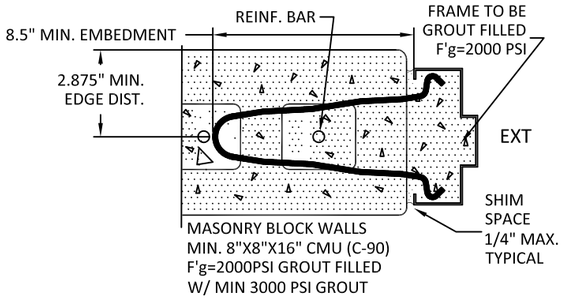
SCALE: NTS

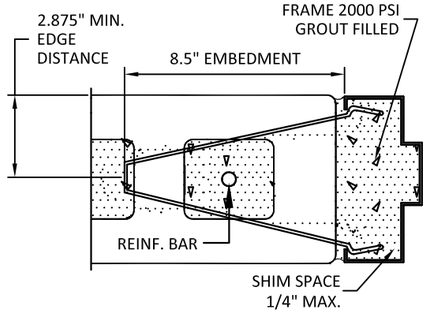
DWG. #: F975W | REV L

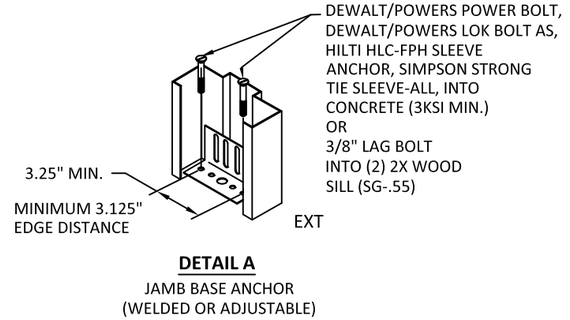
SHEET: 17 OF 39

A WIRE MASONRY JAMB ANCHOR INTO GROUT FILLED FRAME AND GROUT FILLED BLOCK WALL







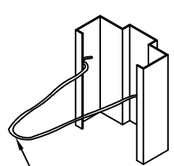


DETAIL A

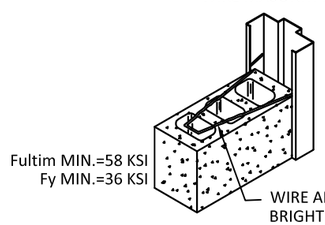
JAMB BASE ANCHOR
(WELDED OR ADJUSTABLE)

NOTES:
1. WALLS MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE BUILDING CODE.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. HEAD SECTION CAN HAVE 4" FACE WHEN GROUTED FULL 2000 PSI GROUT; WITHIN MAX FRAME HEIGHT TESTED.
4. SEAL ALL JOINTS WHERE FRAME MEETS SUBSTRATE WITH CAULK AND INSTALL THRESHOLD INTO A BEAD OF CAULK FULL LENGTH OF SILL.
5.THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FROM REVIEW AND APPROVAL BY THE LOCAL AHJ.

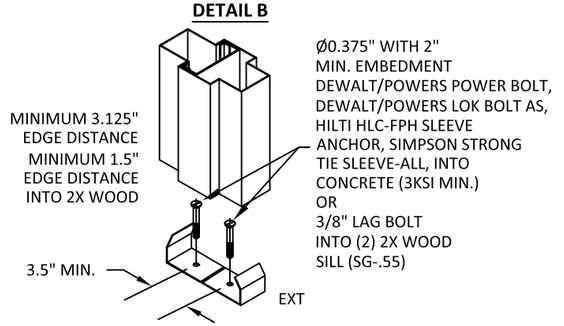
WIRE MASONRY ANCHOR



WIRE MASONRY ANCHOR



MULLION BASE ANCHOR
DETAIL B



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

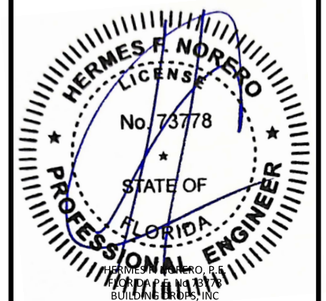
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

ANCHORS - WIRE MASONRY JAMB ANCHOR INTO GROUT FILLED FRAME AND GROUT FILLED BLOCK WALL

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
LOCK ADDITION	MG	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



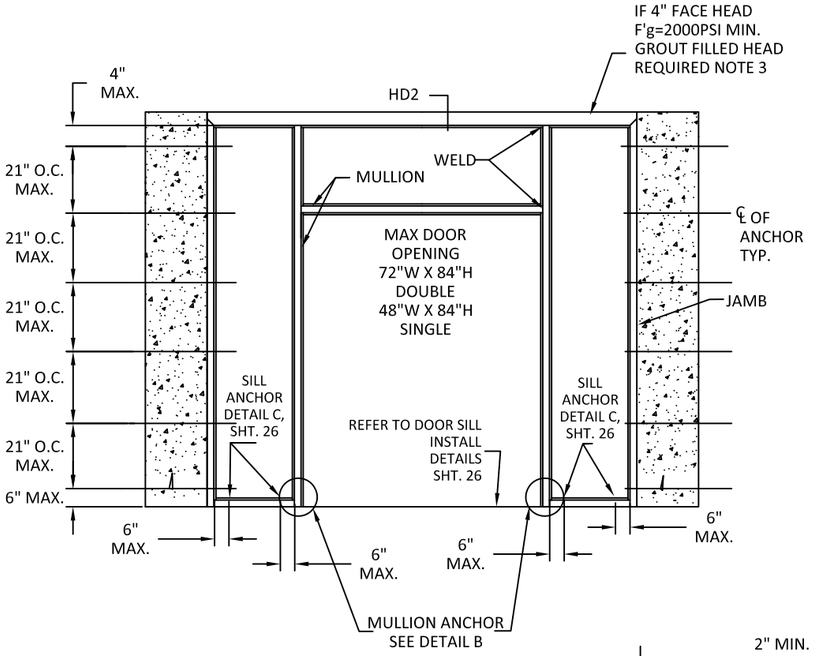
HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL1592

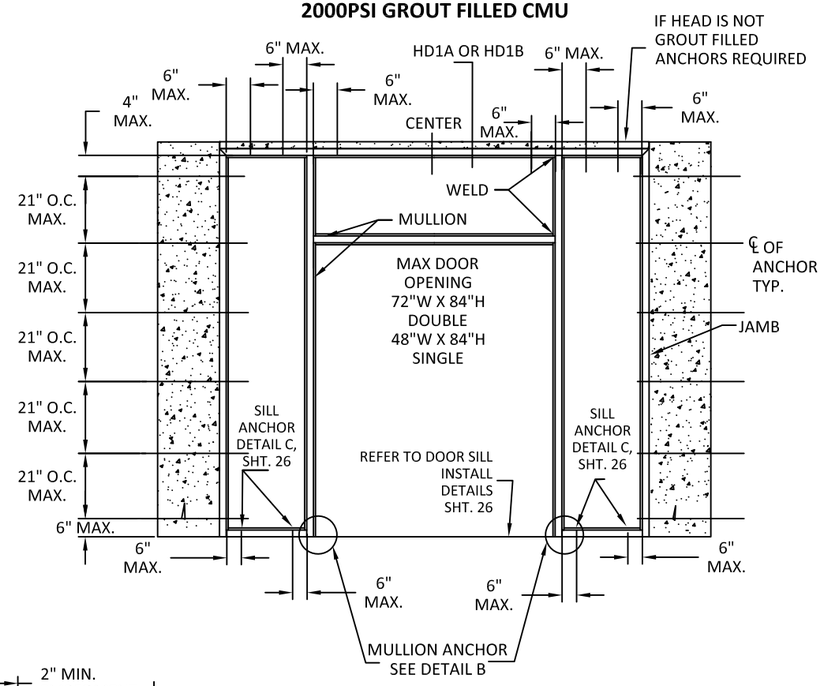
DATE: 05.16.22	
DWG. BY: CA	CHK. BY: HFN
SCALE: NTS	
DWG. #: F975W	REV L

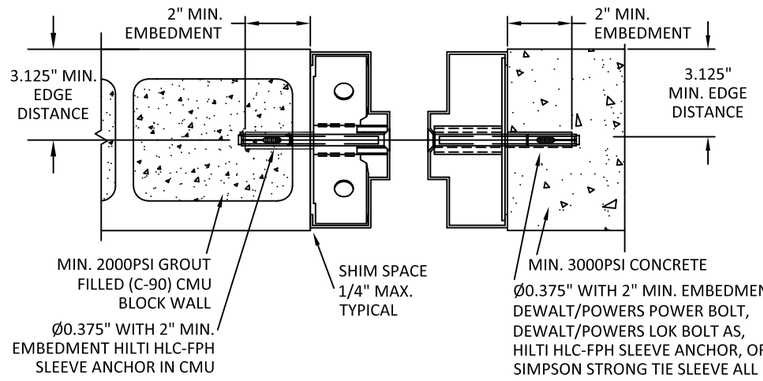
SHEET: 18 OF 39

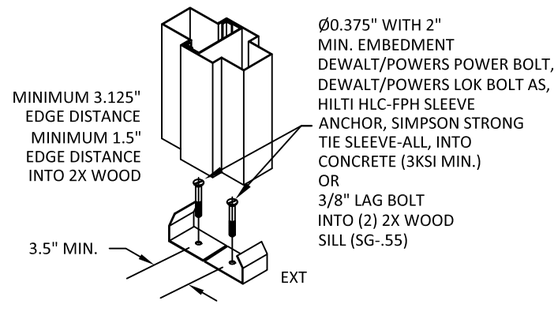
B PREPARED OPENING JAMB ANCHOR (POA) INTO CONCRETE WALL OR 2000PSI GROUT FILLED CMU



B1 PREPARED OPENING JAMB ANCHOR (POA) INTO CONCRETE WALL OR 2000PSI GROUT FILLED CMU

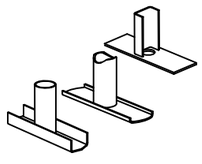


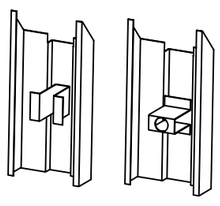


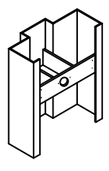


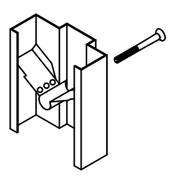
MULLION BASE ANCHOR DETAIL B

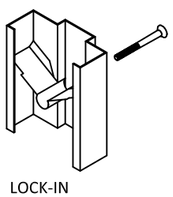
NOTES:
1. WALLS MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE BUILDING CODE.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. HEAD SECTION CAN HAVE 4" FACE WHEN GROUTED FULL 2000 PSI GROUT; WITHIN MAX FRAME HEIGHT TESTED.
4. SEAL ALL JOINTS WHERE FRAME MEETS SUBSTRATE WITH CAULK AND INSTALL THRESHOLD INTO A BEAD OF CAULK FULL LENGTH OF SILL.
5.THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FROM REVIEW AND APPROVAL BY THE LOCAL AHJ.

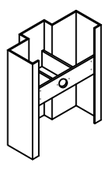

TUBE & PLATE WELD-IN EMA ANCHOR

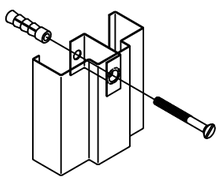

POA ANCHOR

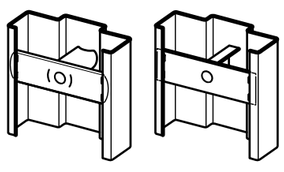

WELD-IN


LOCK-IN


LOCK-IN


TUBE AND STRAP


POA ANCHOR


TUBE/CHANNEL & PLATE BOLT-IN

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

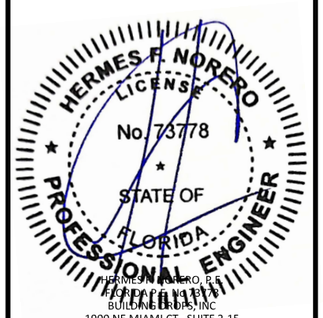
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

ANCHORS - EMA JAMB ANCHOR INTO CONCRETE WALL OR 2000PSI GROUT FILLED 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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

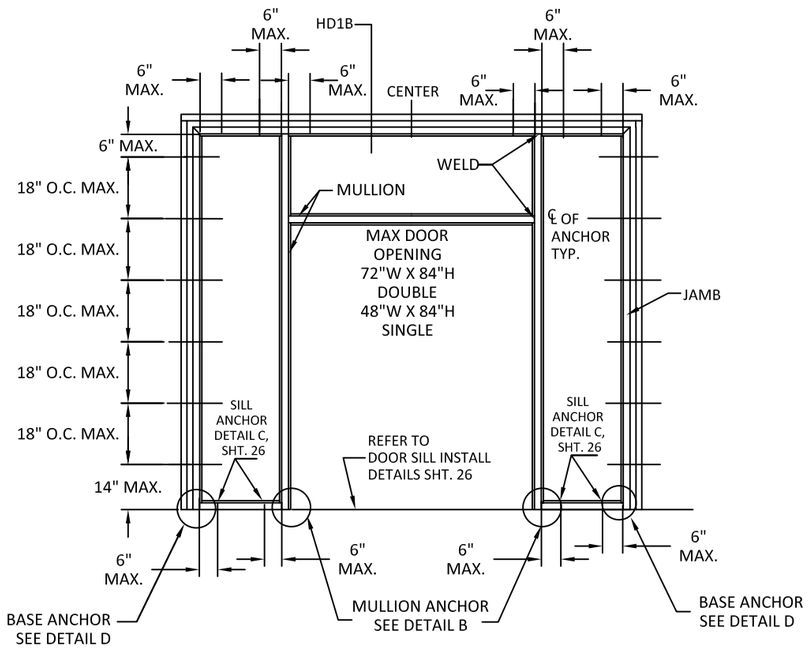
DWG. BY:	CHK. BY:
CA	HFN

SCALE: NTS

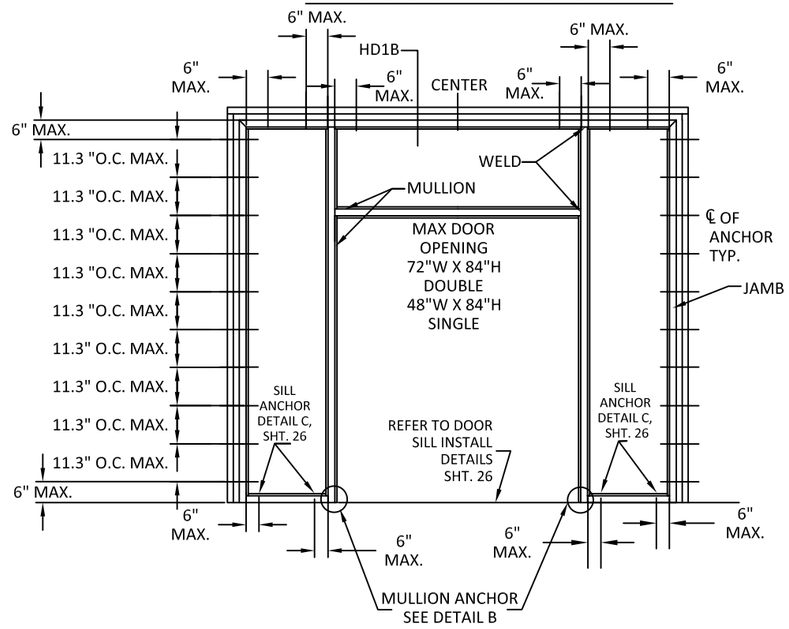
DWG. #: F975W | REV L

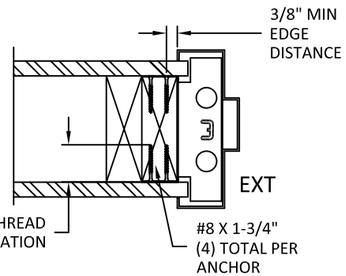
SHEET: 19 OF 39

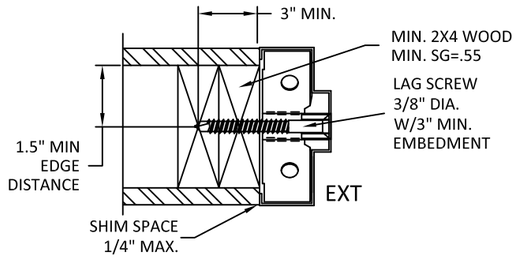
C WOOD STUD JAMB ANCHOR



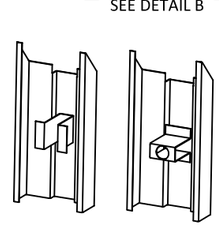
D PREPARED OPENING JAMB ANCHOR (POA) WITH LAG SCREW INTO WOOD STUD WALL



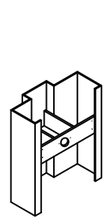




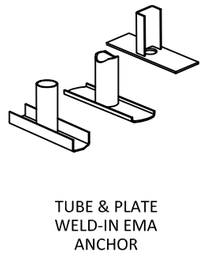
NOTE:
1. 3/8" BOLTS, NUTS AND LAG SCREWS TO BE MIN. SAE GRADE 2 OR EQUIVALENT.



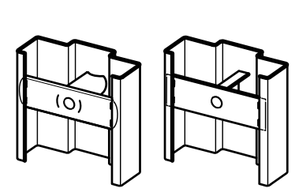
POA ANCHOR



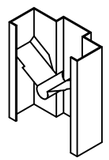
WELD-IN



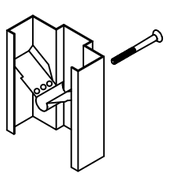
TUBE & PLATE WELD-IN EMA ANCHOR



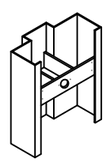
TUBE/CHANNEL & PLATE BOLT-IN



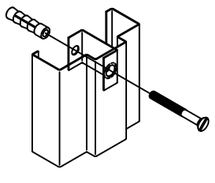
LOCK-IN



LOCK-IN

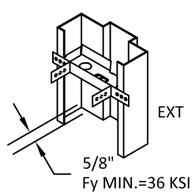


TUBE AND STRAP

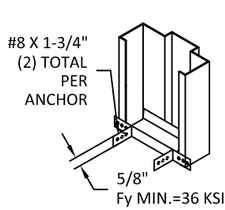


POA ANCHOR

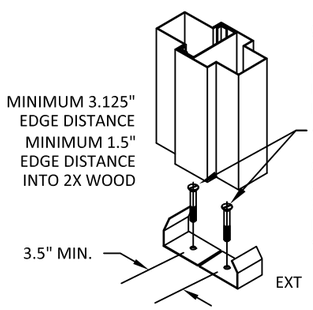
NOTES:
1. WALLS MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE BUILDING CODE.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. HEAD SECTION CAN HAVE 4" FACE WHEN GROUTED FULL 2000 PSI GROUT; WITHIN MAX FRAME HEIGHT TESTED.
4. SEAL ALL JOINTS WHERE FRAME MEETS SUBSTRATE WITH CAULK AND INSTALL THRESHOLD INTO A BEAD OF CAULK FULL LENGTH OF SILL.
5.THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FROM REVIEW AND APPROVAL BY THE LOCAL AHJ.



WOOD STUD OR UNIVERSAL ANCHOR
(LOCK-IN OR WELD-IN)



DETAIL D
JAMB BASE ANCHOR
(WELDED OR ADJUSTABLE)



MULLION BASE ANCHOR
DETAIL B

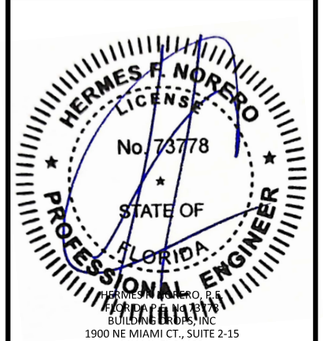
ALLEGION-SCHLAGE LOCK COMPANY, LLC
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
(317) 715-4073

TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*
ANCHORS - WOOD STUD JAMB ANCHOR & EXISTING WALL JAMB ANCHOR W/ LAG SCREW INTO WOOD STUD WALL

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
LOCK ADDITION	MG	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.

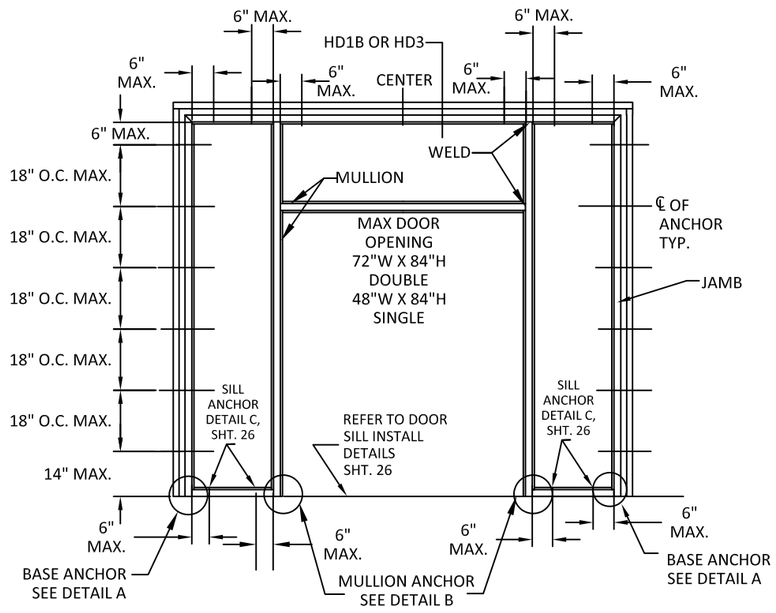


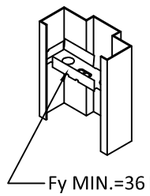
HERMES F. NORERO, P.E.
FLORIDA LICENSE NO. 73778
BUILDING DROPS, INC
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL1592

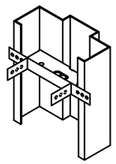
DATE: 05.16.22
DWG. BY: CA
CHK. BY: HFN
SCALE: NTS
DWG. #: F975W
REV L
SHEET: 20 OF 39

E STRUCTURAL C CHANNEL JAMB ANCHOR



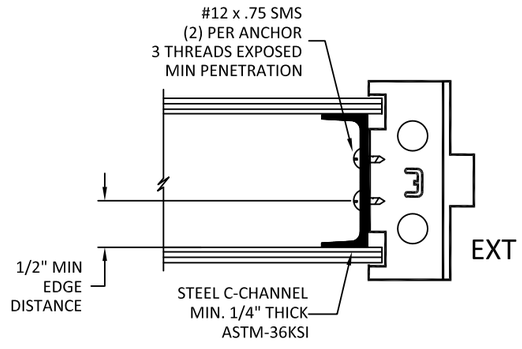


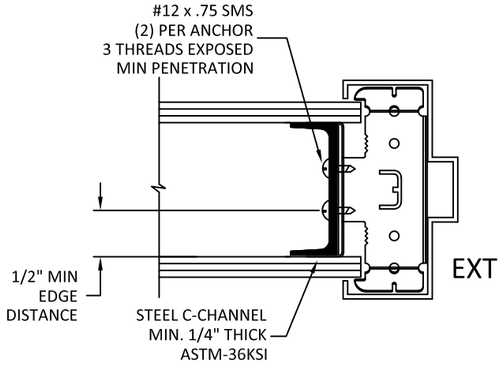
STEEL STUD ANCHOR
WELD-IN OR LOCK-IN

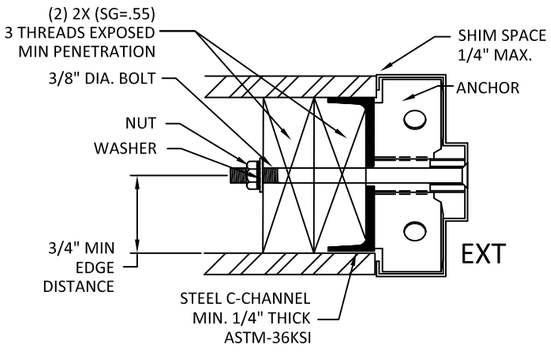


UNIVERSAL ANCHOR
WELD-IN OR LOCK-IN

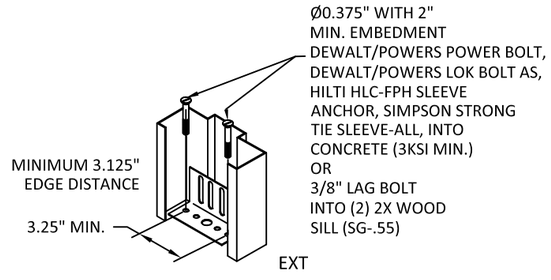
NOTE:
1. 3/8" BOLTS, NUTS AND LAG SCREWS TO BE MIN. SAE GRADE 2 OR EQUIVALENT.



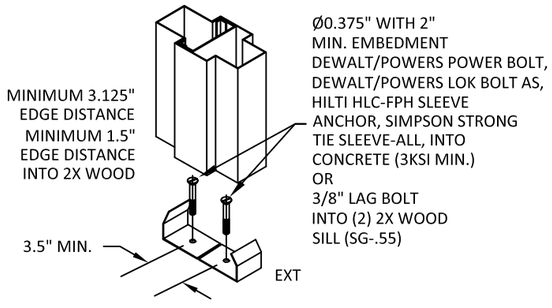




NOTES:
1. WALLS MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE BUILDING CODE.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. HEAD SECTION CAN HAVE 4" FACE WHEN GROUTED FULL 2000 PSI GROUT; WITHIN MAX FRAME HEIGHT TESTED.
4. SEAL ALL JOINTS WHERE FRAME MEETS SUBSTRATE WITH CAULK AND INSTALL THRESHOLD INTO A BEAD OF CAULK FULL LENGTH OF SILL.
5.THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FROM REVIEW AND APPROVAL BY THE LOCAL AHJ.



DETAIL A
JAMB BASE ANCHOR
(WELDED OR ADJUSTABLE)



MULLION BASE ANCHOR
DETAIL B

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

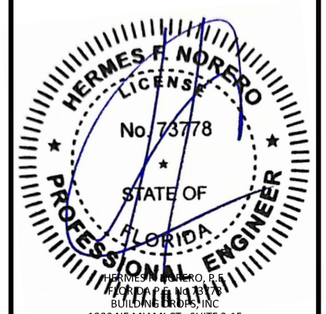
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

ANCHORS - STRUCTURAL C CHANNEL JAMB ANCHOR

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

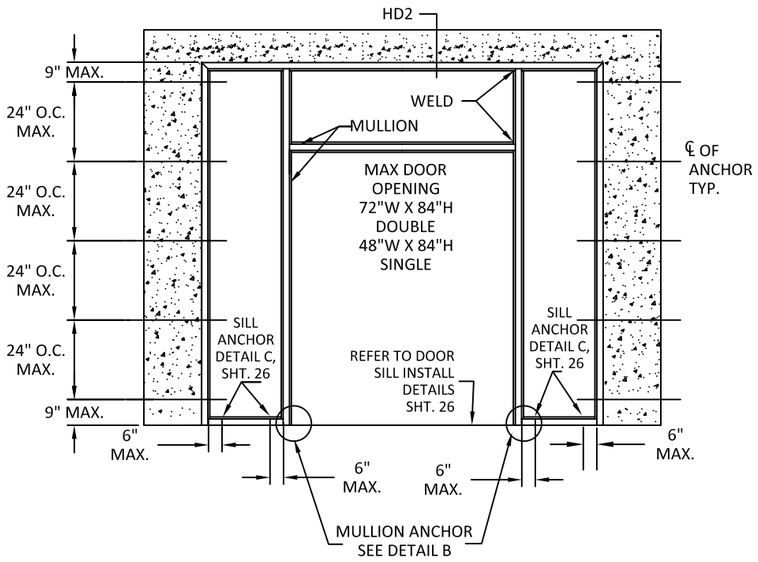
DWG. BY:	CHK. BY:
CA	HFN

SCALE: NTS

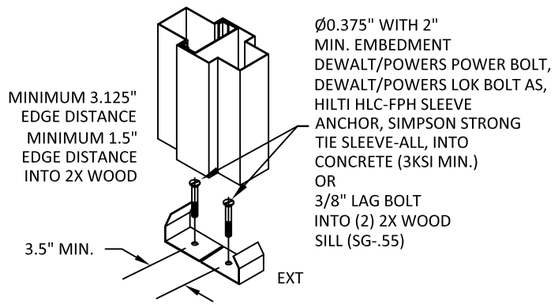
DWG. #: F975W | REV L

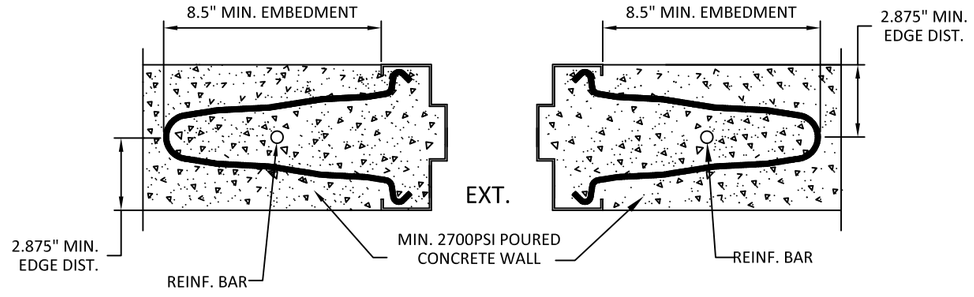
SHEET: 21 OF 39

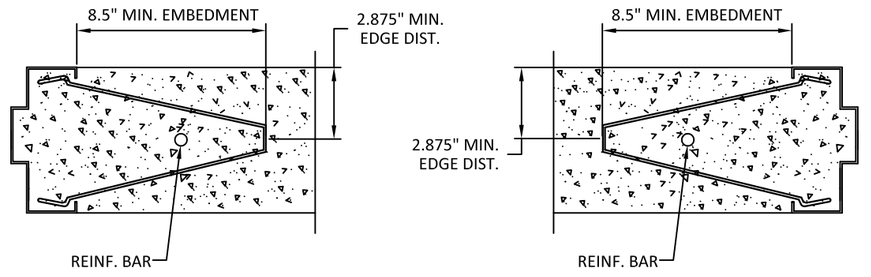
F POURED CONCRETE TILT WALL CONSTRUCTION



MULLION BASE ANCHOR
DETAIL B

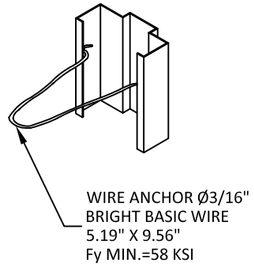




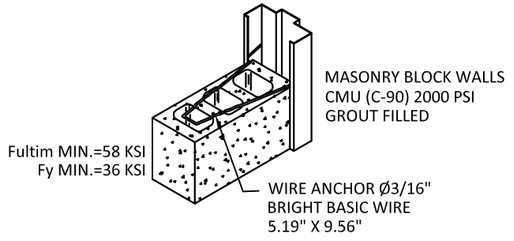


NOTES:
1. WALLS MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE BUILDING CODE.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. HEAD SECTION CAN HAVE 4" FACE WHEN GROUTED FULL 2000 PSI GROUT; WITHIN MAX FRAME HEIGHT TESTED.
4. SEAL ALL JOINTS WHERE FRAME MEETS SUBSTRATE WITH CAULK AND INSTALL THRESHOLD INTO A BEAD OF CAULK FULL LENGTH OF SILL.
5.THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FROM REVIEW AND APPROVAL BY THE LOCAL AHJ.

WIRE MASONRY ANCHOR



WIRE MASONRY ANCHOR



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

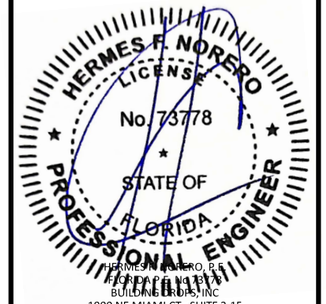
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

ANCHORS - POURED CONCRETE TILT WALL CONSTRUCTION

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

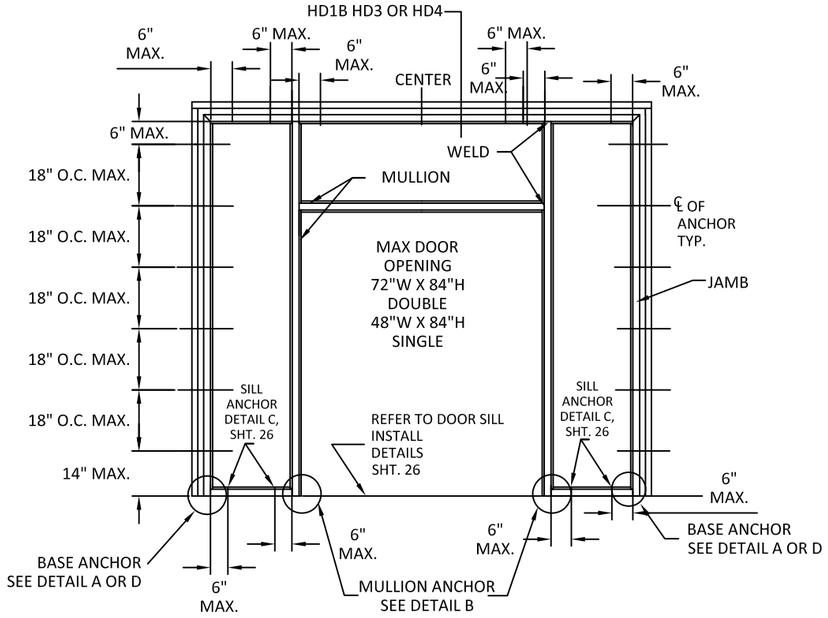
DWG. BY:	CHK. BY:
CA	HFN

SCALE: NTS

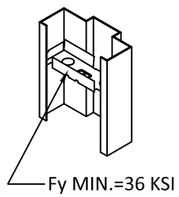
DWG. #: F975W | REV L

SHEET: 22 OF 39

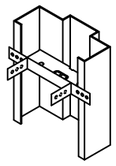
G STEEL STUD JAMB ANCHOR



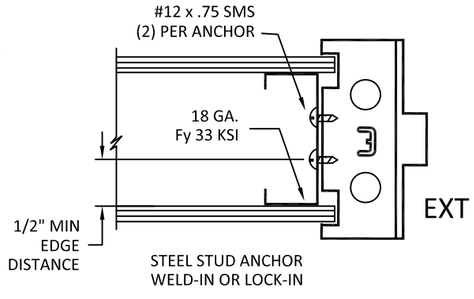
NOTE:
1. 3/8" BOLTS, NUTS AND LAG SCREWS TO BE MIN. SAE GRADE 2 OR EQUIVALENT.



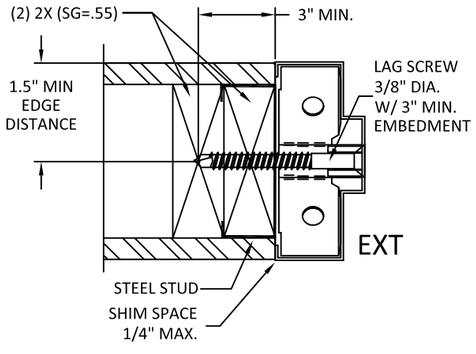
STEEL STUD ANCHOR
WELD-IN OR LOCK-IN

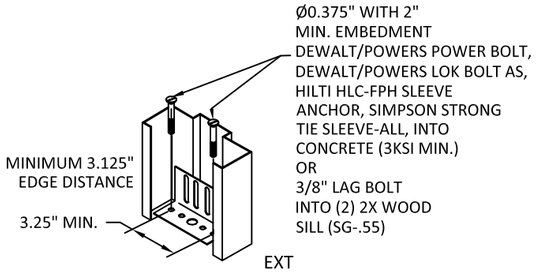


UNIVERSAL ANCHOR
WELD-IN OR LOCK-IN

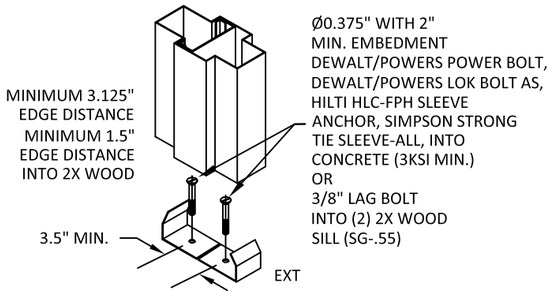


STEEL STUD ANCHOR
WELD-IN OR LOCK-IN



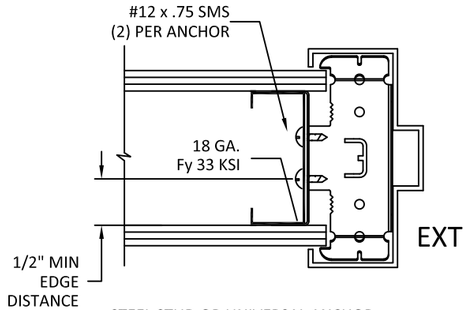


DETAIL A
JAMB BASE ANCHOR
(WELDED OR ADJUSTABLE)

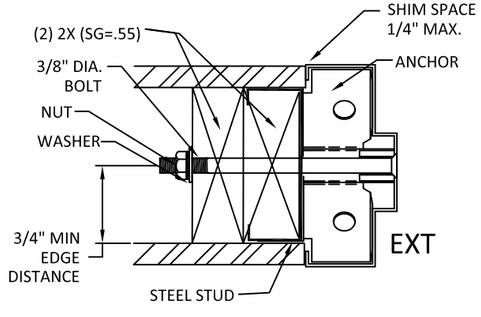


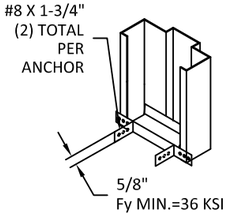
MULLION BASE ANCHOR
DETAIL B

NOTES:
1. WALLS MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE BUILDING CODE.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. HEAD SECTION CAN HAVE 4" FACE WHEN GROUTED FULL 2000 PSI GROUT; WITHIN MAX FRAME HEIGHT TESTED.
4. SEAL ALL JOINTS WHERE FRAME MEETS SUBSTRATE WITH CAULK AND INSTALL THRESHOLD INTO A BEAD OF CAULK FULL LENGTH OF SILL.
5.THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FROM REVIEW AND APPROVAL BY THE LOCAL AHJ.



STEEL STUD OR UNIVERSAL ANCHOR
(LOCK-IN OR WELD-IN)





DETAIL D
JAMB BASE ANCHOR
(WELDED OR ADJUSTABLE)

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

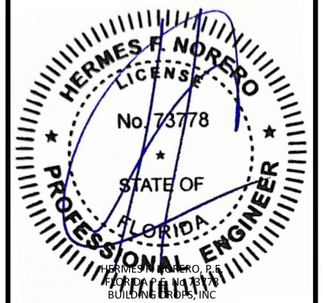
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

ANCHORS - STEEL STUD JAMB ANCHOR

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

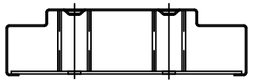
DWG. BY:	CHK. BY:
CA	HFN

SCALE: NTS

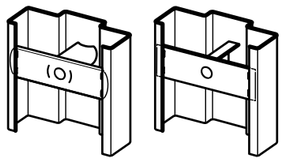
DWG. #: F975W | REV L

SHEET: 23 OF 39

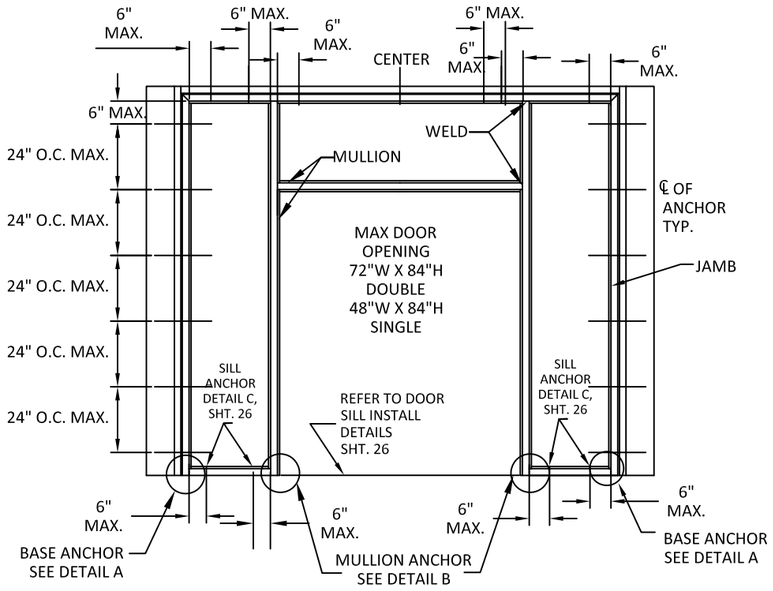
H FRAMES BOLTED TO STEEL BUILDING STRUCTURE

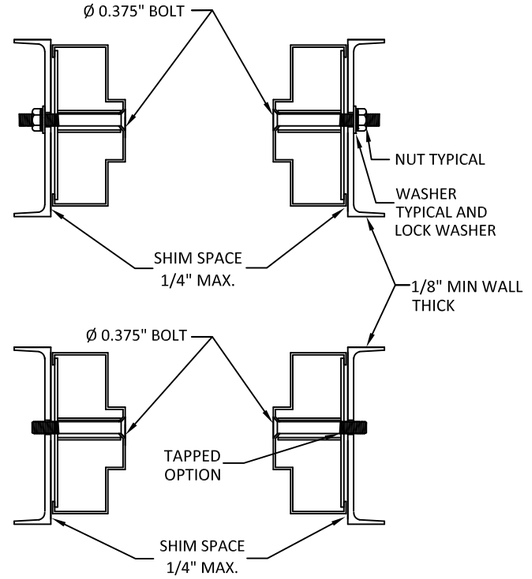


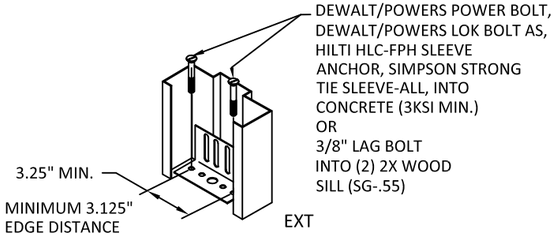
9 1/4" JAMB DEPTH AND ABOVE
REQUIRES 2 ANCHOR BOLTS



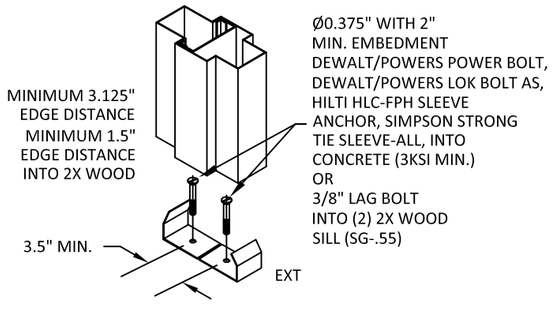
TUBE/CHANNEL &
PLATE BOLT-IN



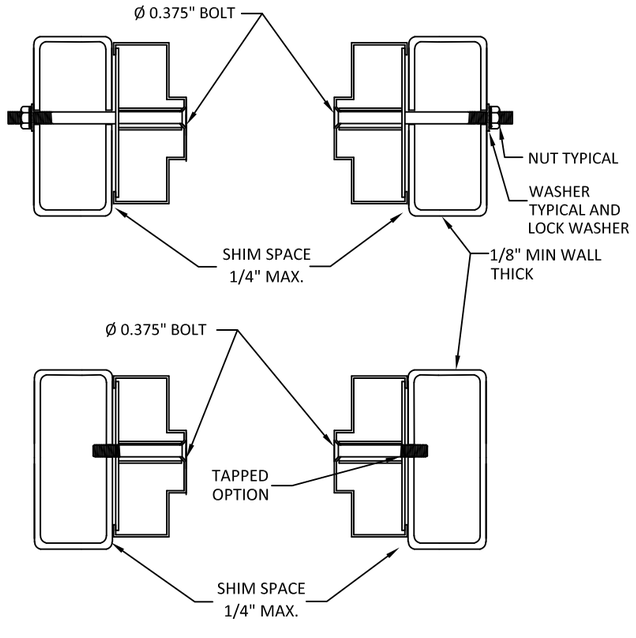




DETAIL A
JAMB BASE ANCHOR
(WELDED OR ADJUSTABLE)



MULLION BASE ANCHOR
DETAIL B



ALSO APPLICABLE TO HEAD ANCHORS

NOTES:
1. WALLS MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE BUILDING CODE.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. HEAD SECTION CAN HAVE 4" FACE WHEN GROUTED FULL 2000 PSI GROUT; WITHIN MAX. FRAME HEIGHT TESTED.
4. SEAL ALL JOINTS WHERE FRAME MEETS SUBSTRATE WITH CAULK AND INSTALL THRESHOLD INTO A BEAD OF CAULK FULL LENGTH OF SILL.
5.THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FROM REVIEW AND APPROVAL BY THE LOCAL AHJ.

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

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

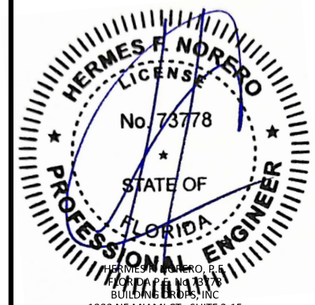
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.

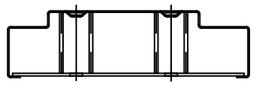


HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

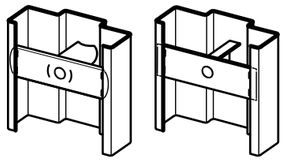
FL1592

DATE:	05.16.22
DWG. BY: CA	CHK. BY: HFN
SCALE:	NTS
DWG. #: F975W	REV L

SHEET: 24 OF 39

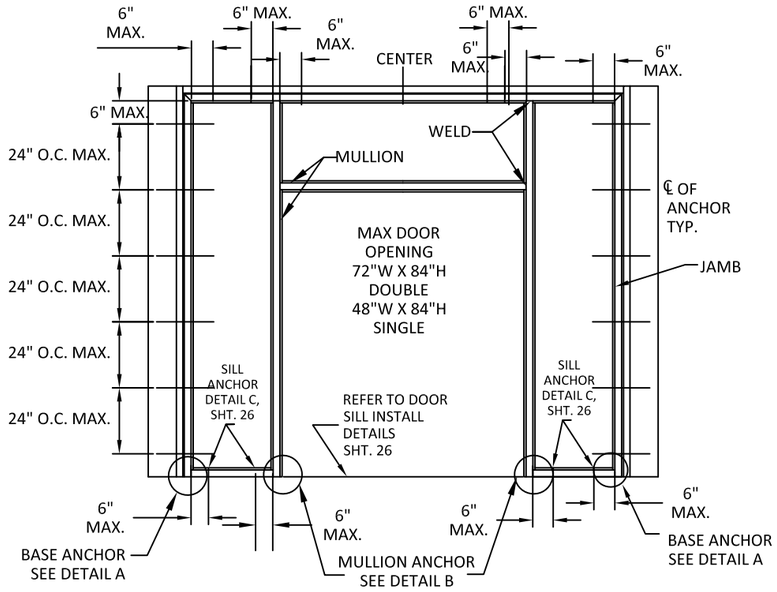


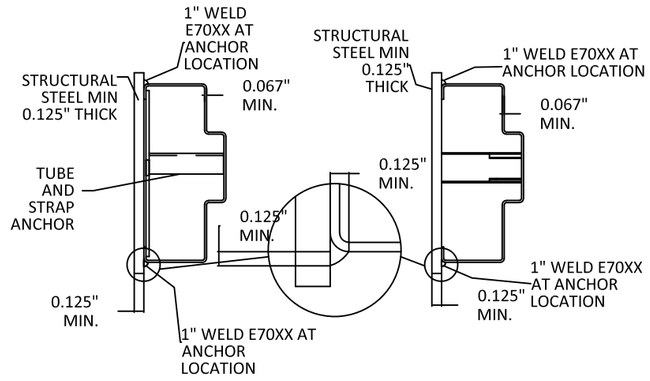
9 1/4" JAMB DEPTH AND ABOVE
REQUIRES 2 ANCHOR BOLTS



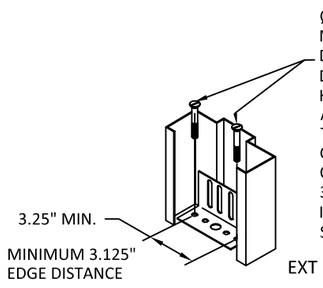
TUBE/CHANNEL &
PLATE BOLT-IN

I WELDED ANCHOR SHIM OR STEEL BUILDING STRUCTURE

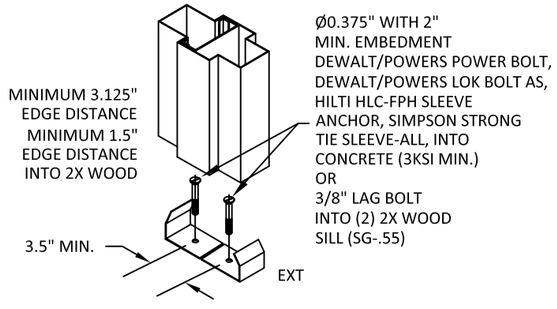




ALSO APPLICABLE TO HEAD ANCHORS



DETAIL A
JAMB BASE ANCHOR
(WELDED OR ADJUSTABLE)



MULLION BASE ANCHOR
DETAIL B

NOTES:
1. WALLS MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE BUILDING CODE.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. HEAD SECTION CAN HAVE 4" FACE WHEN GROUTED FULL 2000 PSI GROUT; WITHIN MAX. FRAME HEIGHT TESTED.
4. SEAL ALL JOINTS WHERE FRAME MEETS SUBSTRATE WITH CAULK AND INSTALL THRESHOLD INTO A BEAD OF CAULK FULL LENGTH OF SILL.
5.THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FROM REVIEW AND APPROVAL BY THE LOCAL AHJ.

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

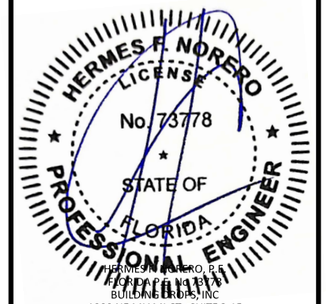
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

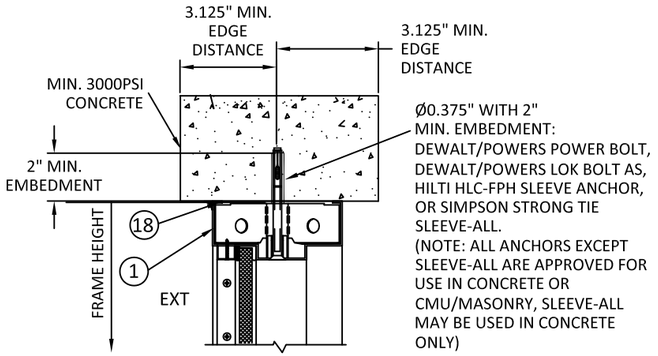
DATE: 05.16.22

DWG. BY:	CHK. BY:
CA	HFN

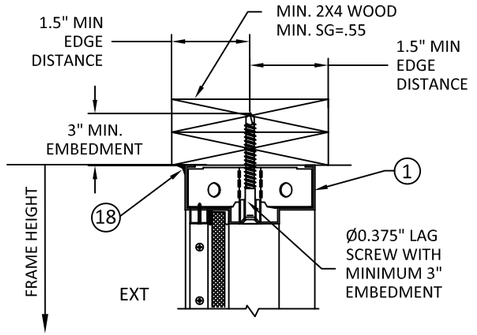
SCALE: NTS

DWG. #: F975W | REV L

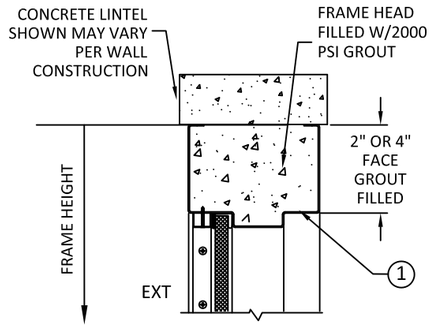
SHEET: 25 OF 39



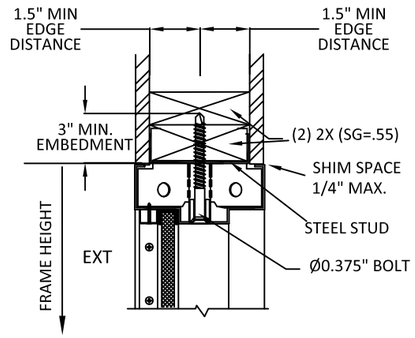
HD1A - 2" FACE FRAME HEAD SECTION WITHOUT GROUT
ANCHOR DETAIL INTO CONCRETE LINTEL (3KSI MIN.)
SHOWN WITH GLAZING - SIDE VIEW



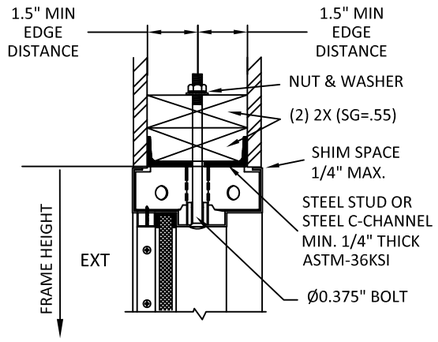
HD1B - 2" FACE FRAME HEAD SECTION WITHOUT GROUT
ANCHOR DETAIL INTO WOOD
(2) 2X (SG=.55)
SHOWN WITH GLAZING - SIDE VIEW



HD2 - FRAME HEAD SECTION
SIDE VIEW SHOWN GLAZED

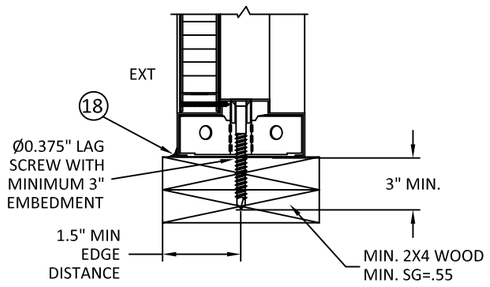


HD3 - FRAME HEAD SECTION ANCHOR
DETAIL STEEL STUD WOOD BACKING
SHOWN WITH GLAZING - SIDE VIEW

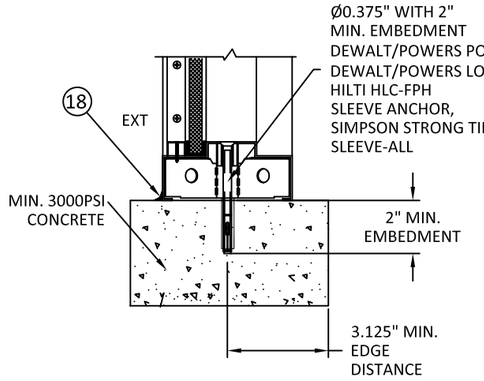


HD4 - FRAME HEAD SECTION ANCHOR
DETAIL STEEL C-CHANNEL
MIN. 1/4" ASTM-36KSI
SHOWN WITH GLAZING - SIDE VIEW

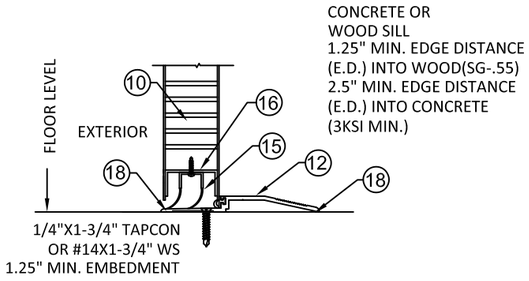
NOTE:
1. 3/8" BOLTS, NUTS AND LAG SCREWS TO BE MIN. SAE GRADE 2 OR EQUIVALENT.



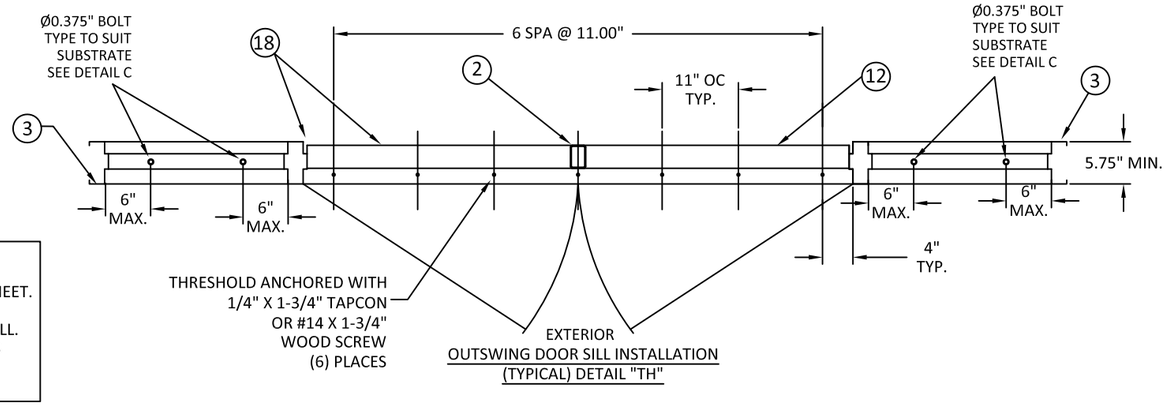
Ⓒ SIDELITE SILL ANCHOR DETAIL INTO WOOD
(2) 2X (SG=.55)
SHOWN WITH PANEL
(SIDE VIEW)



Ⓒ SIDELITE SILL ANCHOR DETAIL INTO CONCRETE
(3KSI MIN.)
SHOWN GLAZED
(SIDE VIEW)



DETAIL 'TH'
SILL INSTALLATION SIDE VIEW



OUTSWING DOOR SILL INSTALLATION
(TYPICAL) DETAIL "TH"

NOTES:
1. WALLS MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE BUILDING CODE.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. HEAD SECTION CAN HAVE 4" FACE WHEN GROUTED FULL 2000 PSI GROUT; WITHIN MAX FRAME HEIGHT TESTED.
4. SEAL ALL JOINTS WHERE FRAME MEETS SUBSTRATE WITH CAULK AND INSTALL THRESHOLD INTO A BEAD OF CAULK FULL LENGTH OF SILL.
5.THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS. IF INSTALLATION DEVIATES FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FROM REVIEW AND APPROVAL BY THE LOCAL AHJ.

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

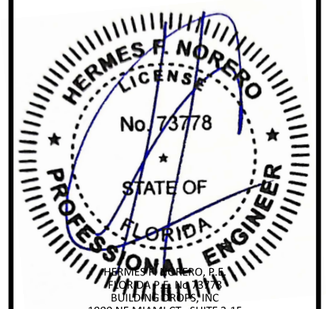
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

DWG. BY: CA | CHK. BY: HFN

SCALE: NTS

DWG. #: F975W | REV L

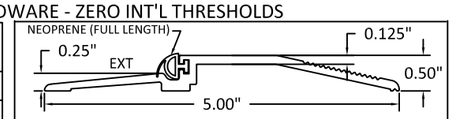
SHEET: 26 OF 39

TABLE 9.1 NON WATER RATED PERIMETER SEAL HARDWARE - ZERO INT'L THRESHOLDS

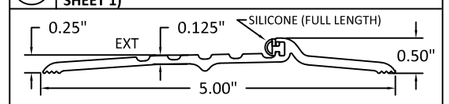
ITEM NUMBER	MODEL NO./ DESCRIPTION		MFG.
12	12A	566 THRESHOLD	ZERO INT'L
	12C	65 THRESHOLD	ZERO INT'L
	12D	568 THRESHOLD	ZERO INT'L
14	14A	PS074 DOOR SEAL	STEELCRAFT
	14B	188S DOOR SEAL	ZERO INT'L
	14C	117S DOOR SEAL	ZERO INT'L
	14D	8144S DOOR SEAL	ZERO INT'L
	14E	8150S DOOR SEAL	ZERO INT'L
15		FAS-SEAL SWEEP	STEELCRAFT
16		END CHANNEL	STEELCRAFT

ZERO INT'L 566, 65 AND 568 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED

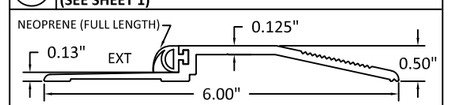
SEE SHEET 2 & 3 FOR MAXIMUM DESIGN PRESSURE RATING



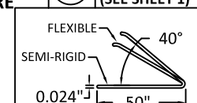
12A **ZERO INT'L 566 SERIES THRESHOLD MAXIMUM DESIGN PRESSURE +/- 60 PSF (SEE SHEET 1)**



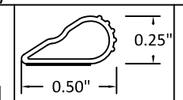
12C **ZERO INT'L 65 SERIES THRESHOLD MAXIMUM DEISGN PRESSURE +/- 60 PSF (SEE SHEET 1)**



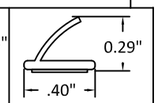
12D **ZERO INT'L 568 SERIES THRESHOLD MAXIMUM DESIGN PRESSURE +/- 60 PSF (SEE SHEET 1)**



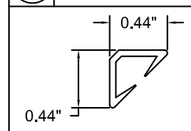
14A **PS-074 DOOR SEAL**



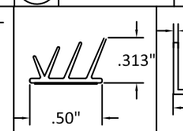
14B **ZERO 188S DOOR SEAL**



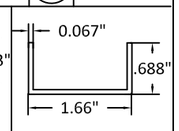
14C **ZERO 117S DOOR SEAL**



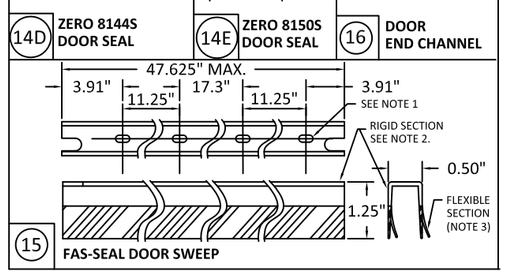
14D **ZERO 8144S DOOR SEAL**



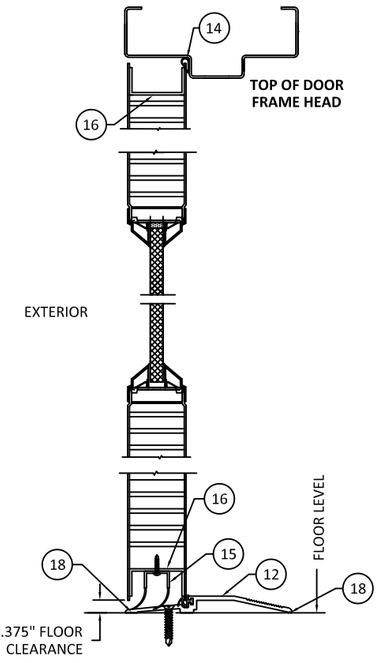
14E **ZERO 8150S DOOR SEAL**



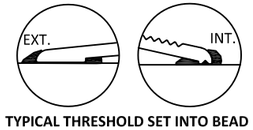
16 **DOOR END CHANNEL**



15 **FAS-SEAL DOOR SWEEP**



BOTTOM OF DOOR WEATHERSTRIPPING AND SILL INSTALLATION



TYPICAL THRESHOLD SET INTO BEAD OF CAULK SEE NOTE 6

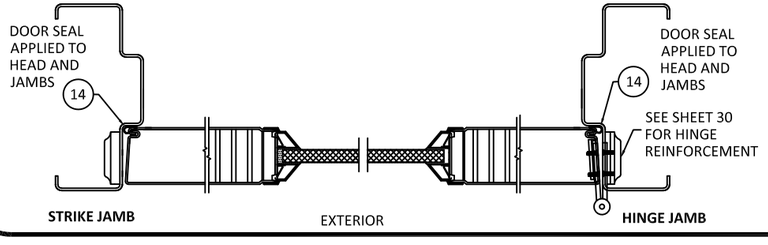
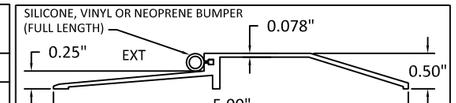


TABLE 9.2 NON WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

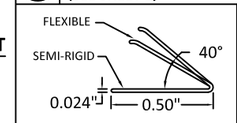
ITEM NUMBER	MODEL NO./ DESCRIPTION	MFG.
12B	950 THRESHOLD	NGP
14A	PS074 DOOR SEAL	STEELCRAFT
15	FAS-SEAL SWEEP	STEELCRAFT
16	END CHANNEL	STEELCRAFT

NGP 950 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED

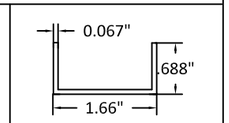
SEE SHEET 2 & 3 FOR MAXIMUM DESIGN PRESSURE RATING



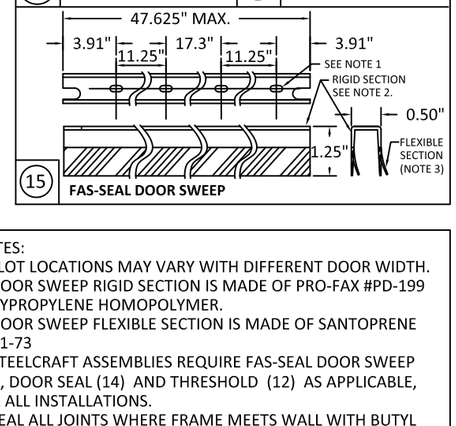
12B **NATIONAL GUARD 950 SERIES THRESHOLD MAXIMUM DESIGN PRESSURE +/- 60 PSF (SEE SHEET 1)**



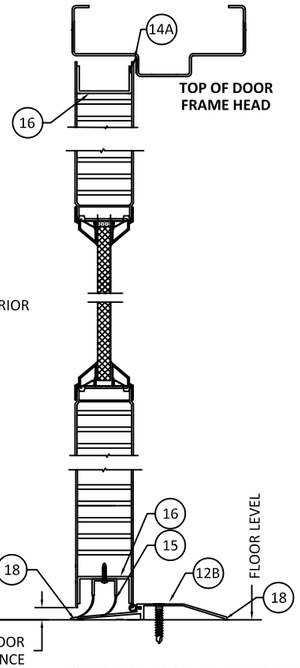
14A **PS-074 DOOR SEAL**



16 **DOOR END CHANNEL**

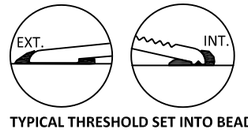


15 **FAS-SEAL DOOR SWEEP**

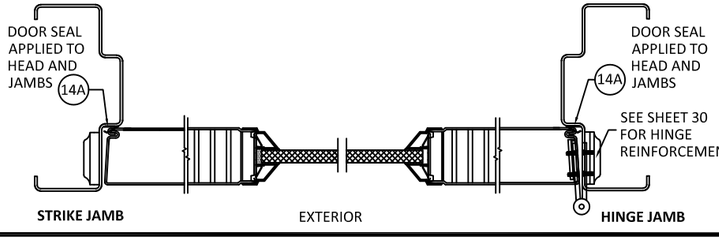


BOTTOM OF DOOR WEATHERSTRIPPING AND SILL INSTALLATION

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 (15), DOOR SEAL (14) AND THRESHOLD (12) AS APPLICABLE, 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
7. REPUBLIC ASSEMBLIES REQUIRE DOOR SEAL (14) AND THRESHOLD (12) AS APPLICABLE, FOR ALL INSTALLATIONS.
8. REPUBLIC DOORS HAVE FLUSH TOP DOOR CHANNEL - TOP CAP NOT APPLICABLE



TYPICAL THRESHOLD SET INTO BEAD OF CAULK SEE NOTE 6



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

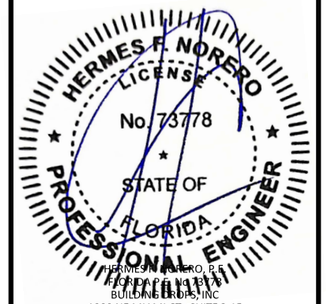
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

GASKETING DETAILS - SINGLE DOOR PERIMETER SEAL

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

DWG. BY:	CHK. BY:
CA	HFN

SCALE: NTS

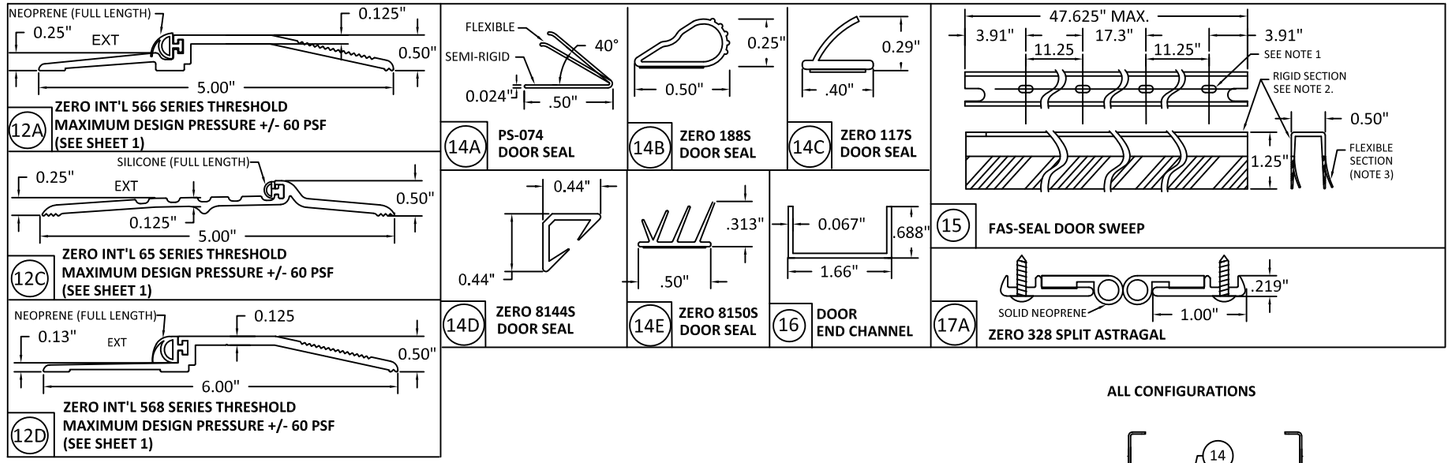
DWG. #: F975W | REV L

SHEET: 27 OF 39

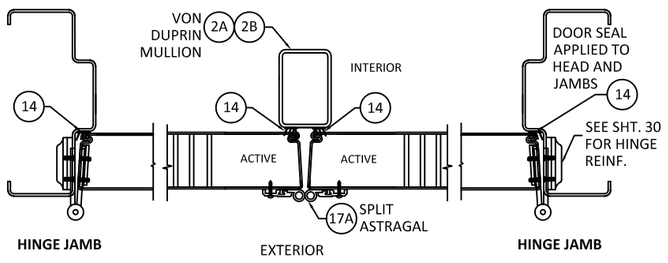
TABLE 9.3 NON WATER RATED PERIMETER SEAL HARDWARE - ZERO INT'L THRESHOLDS

ITEM NUMBER	MODEL NO./ DESCRIPTION		MFG.
12	12A	566 THRESHOLD	ZERO INT'L
	12C	65 THRESHOLD	ZERO INT'L
	12D	568 THRESHOLD	ZERO INT'L
14	14A	PS074 DOOR SEAL	STEELCRAFT
	14B	188S DOOR SEAL	ZERO INT'L
	14C	117S DOOR SEAL	ZERO INT'L
	14D	8144S DOOR SEAL	ZERO INT'L
	14E	8150S DOOR SEAL	ZERO INT'L
15	FAS-SEAL SWEEP		STEELCRAFT
16	END CHANNEL		STEELCRAFT
17A	328 SPLIT ASTRAGAL		ZERO INT'L

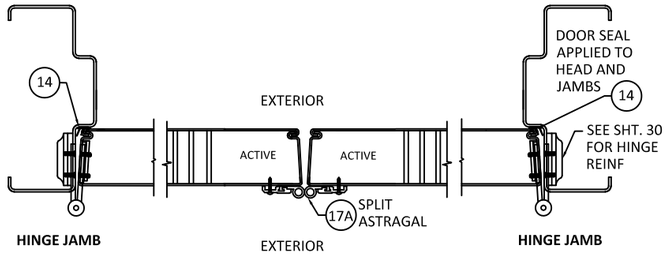
ZERO INT'L 566, 65 AND 568 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED
SEE SHEET 2 & 3 FOR MAXIMUM DESIGN PRESSURE RATING



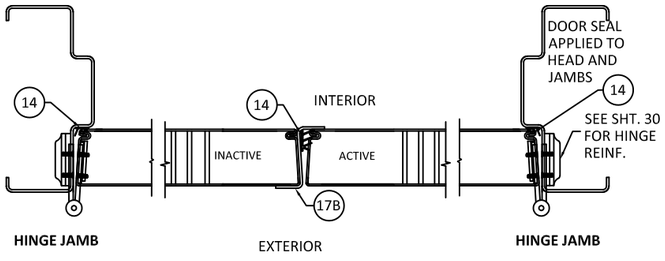
FOR CONFIGURATIONS: RIM EXIT DEVICE WITH HARDWARE MULLION

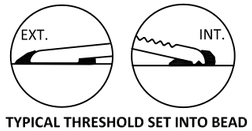


FOR CONFIGURATIONS: SURFACE OR CONCEALED VERTICAL ROD EXIT DEVICES



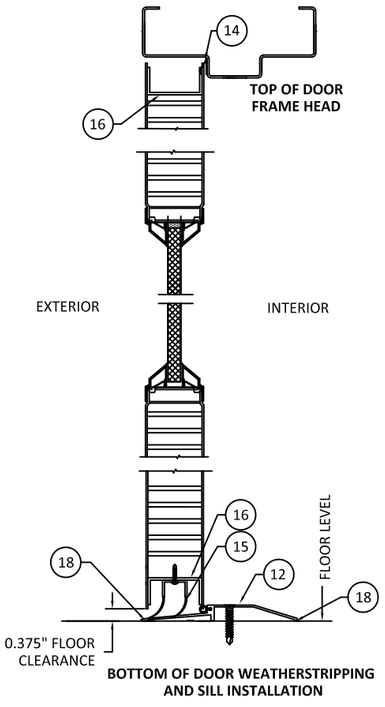
FOR CONFIGURATIONS: MORTISE LOCK OR CYLINDRICAL LOCK DEVICES





TYPICAL THRESHOLD SET INTO BEAD OF CAULK SEE NOTE 6

ALL CONFIGURATIONS



BOTTOM OF DOOR WEATHERSTRIPPING AND SILL INSTALLATION

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 (15), DOOR SEAL (14) AND THRESHOLD (12) AS APPLICABLE, 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
7. REPUBLIC ASSEMBLIES REQUIRE DOOR SEAL (14) AND THRESHOLD (12) AS APPLICABLE, FOR ALL INSTALLATIONS.
8. REPUBLIC DOORS HAVE FLUSH TOP DOOR CHANNEL - TOP CAP NOT APPLICABLE

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

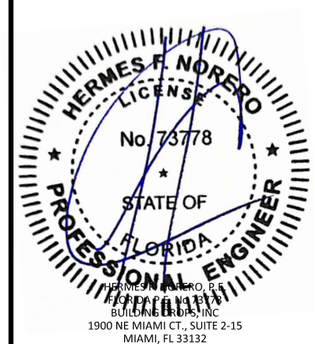
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

GASKETING DETAILS - DOUBLE DOOR PERIMETER SEAL ZERO INT'L HARDWARE

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

DWG. BY: CA | CHK. BY: HFN

SCALE: NTS

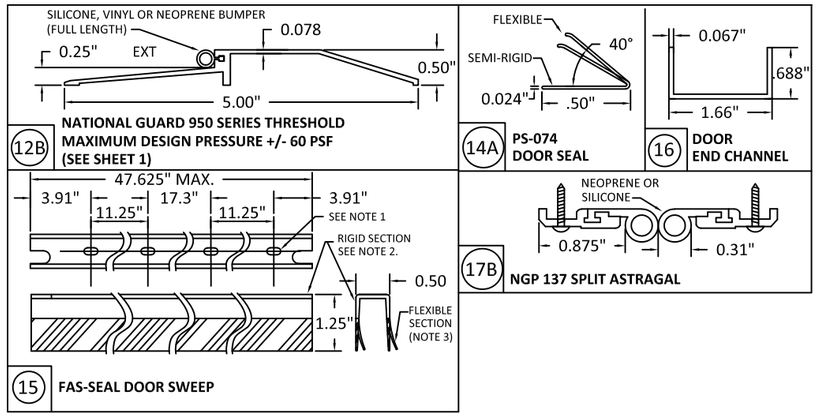
DWG. #: F975W | REV L

SHEET: 28 OF 39

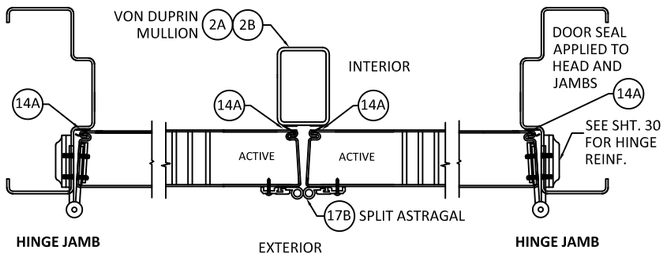
TABLE 9.4 NON WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD

ITEM NUMBER	MODEL NO./ DESCRIPTION	MFG.
12B	950 THRESHOLD	NGP
14A	PS074 DOOR SEAL	STEELCRAFT
15	FAS-SEAL SWEEP	STEELCRAFT
16	END CHANNEL	STEELCRAFT
17B	137 SPLIT ASTRAGAL	NGP

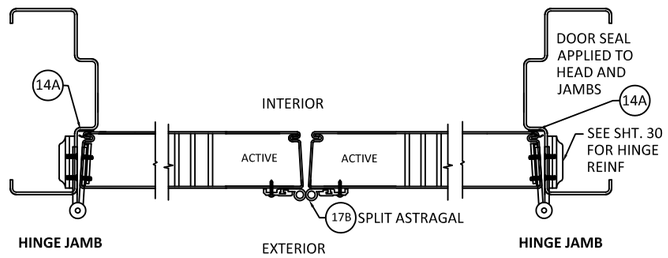
NGP 950 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED -
SEE SHEET 2 & 3 FOR MAXIMUM DESIGN PRESSURE



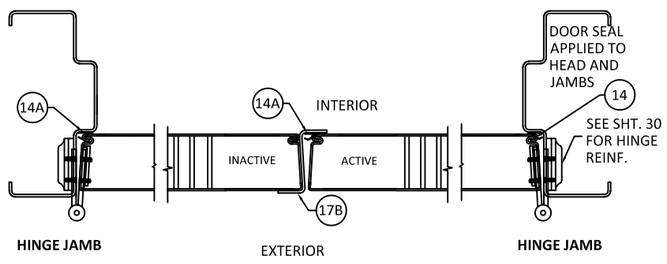
FOR CONFIGURATIONS: RIM EXIT DEVICE WITH HARDWARE MULLION

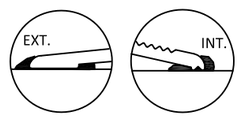


FOR CONFIGURATIONS: SURFACE OR CONCEALED VERTICAL ROD EXIT DEVICES



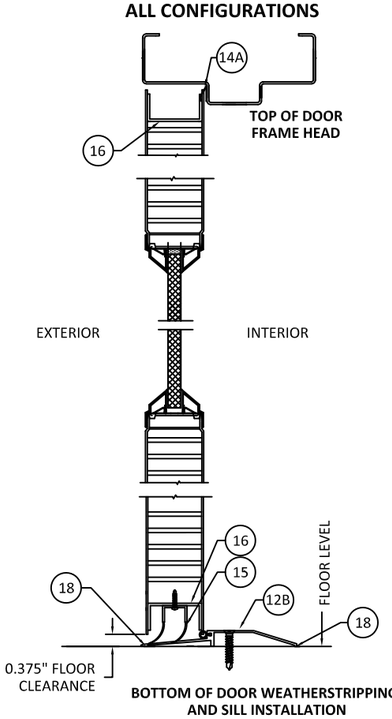
FOR CONFIGURATIONS: MORTISE LOCK OR CYLINDRICAL LOCK DEVICES





TYPICAL THRESHOLD SET INTO BEAD OF CAULK SEE NOTE 6

ALL CONFIGURATIONS



BOTTOM OF DOOR WEATHERSTRIPPING AND SILL INSTALLATION

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 (15), DOOR SEAL (14) AND THRESHOLD (12) AS APPLICABLE, 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
7. REPUBLIC ASSEMBLIES REQUIRE DOOR SEAL (14) AND THRESHOLD (12) AS APPLICABLE, FOR ALL INSTALLATIONS.
8. REPUBLIC DOORS HAVE FLUSH TOP DOOR CHANNEL - TOP CAP NOT APPLICABLE

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

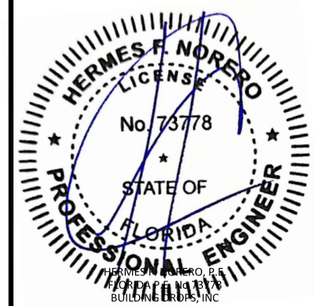
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

GASKETING DETAILS - DOUBLE DOOR PERIMETER SEAL NGP HARDWARE

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

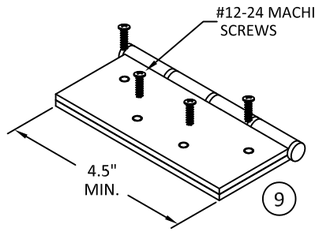
DWG. BY: CA | CHK. BY: HFN

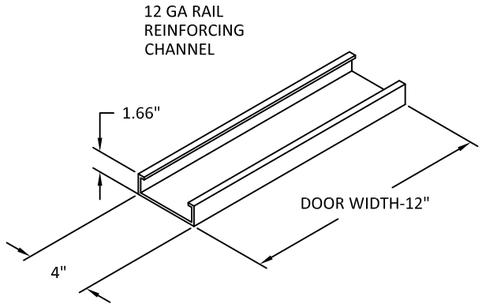
SCALE: NTS

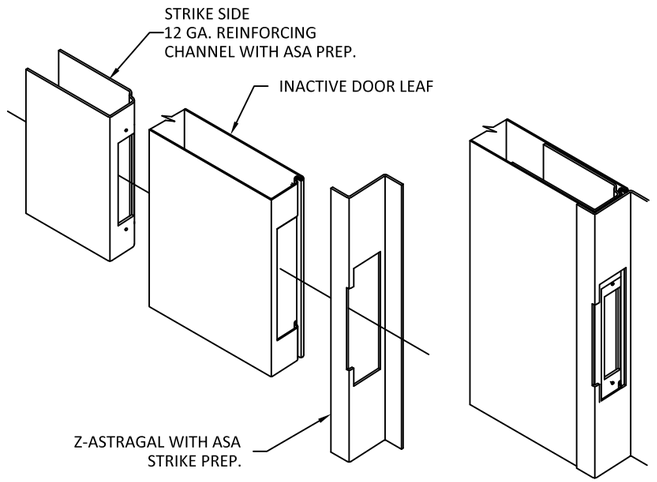
DWG. #: F975W | REV L

SHEET: 29 OF 39

BUTT HINGE - STEEL,
STAINLESS STEEL OR BRASS
4.5" X 4.5" STD. WT. MIN.
IVES 5BB1/3CB1
STANLEY FBB179/CB1900
HAGER 1279
.134" MIN. LEAF THICKNESS

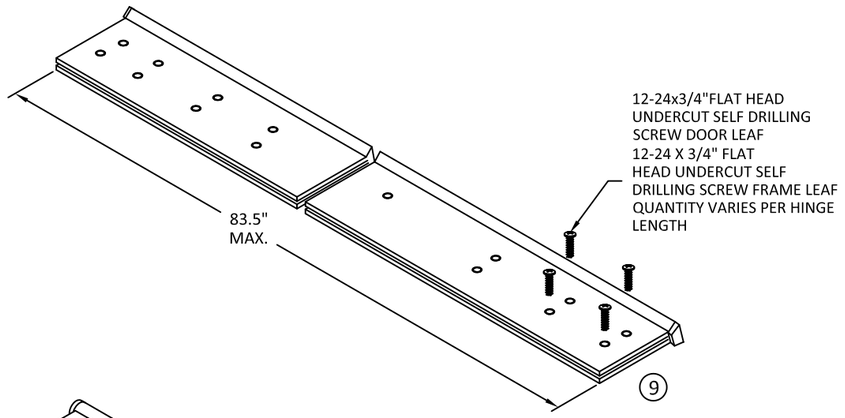


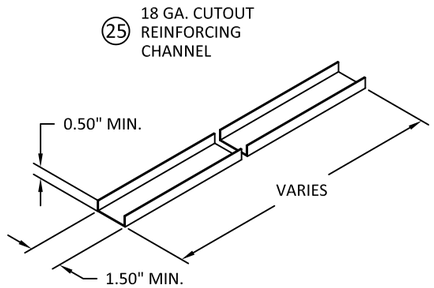




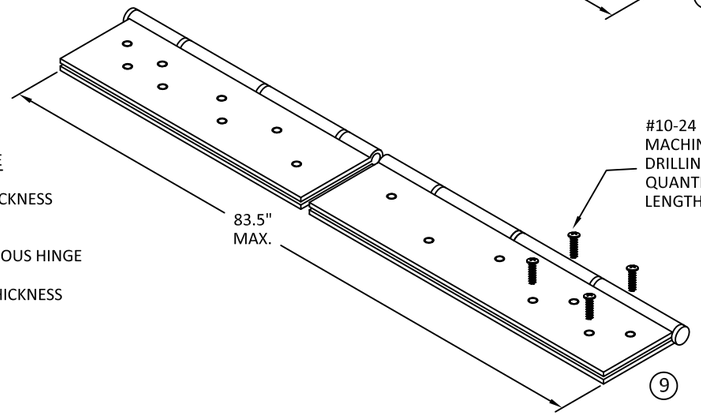
INACTIVE LEAF
ASA STRIKE PREP
AND ASSEMBLY DETAIL

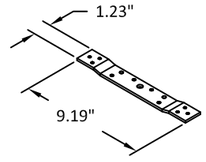
HEAVY DUTY CONTINUOUS HINGE
IVES 112HD, 112XY,
224HD & 224XY
ALUMINUM 6036-T6 MIN
.110" MIN. LEAF THICKNESS



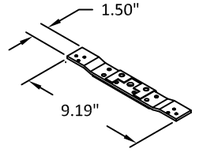


STEEL CONTINUOUS HINGE
IVES 600
.075 MIN. (14GA) LEAF THICKNESS
1012 COLD ROLLED STEEL
Fy MIN. 45KSI
STAINLESS STEEL CONTINUOUS HINGE
IVES 700, 700CS
.075" (14Ga.) MIN. LEAF THICKNESS
304 STAINLESS STEEL
Fy MIN. 31KSI

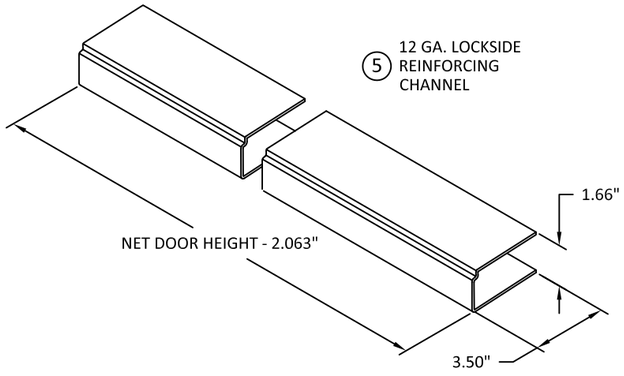




7 GA.
7 DOOR HINGE REINFORCEMENT



7 GA.
8 FRAME HINGE REINFORCEMENT



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.

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

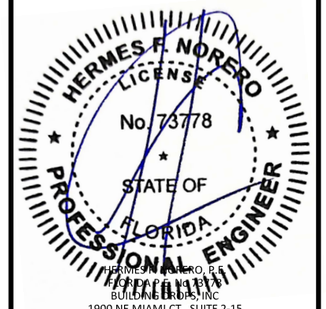
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

HINGE & 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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

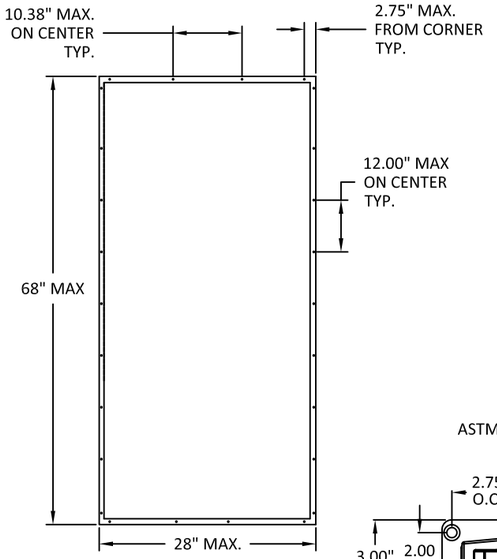
DATE: 05.16.22

DWG. BY: CA | CHK. BY: HFN

SCALE: NTS

DWG. #: F975W | REV L

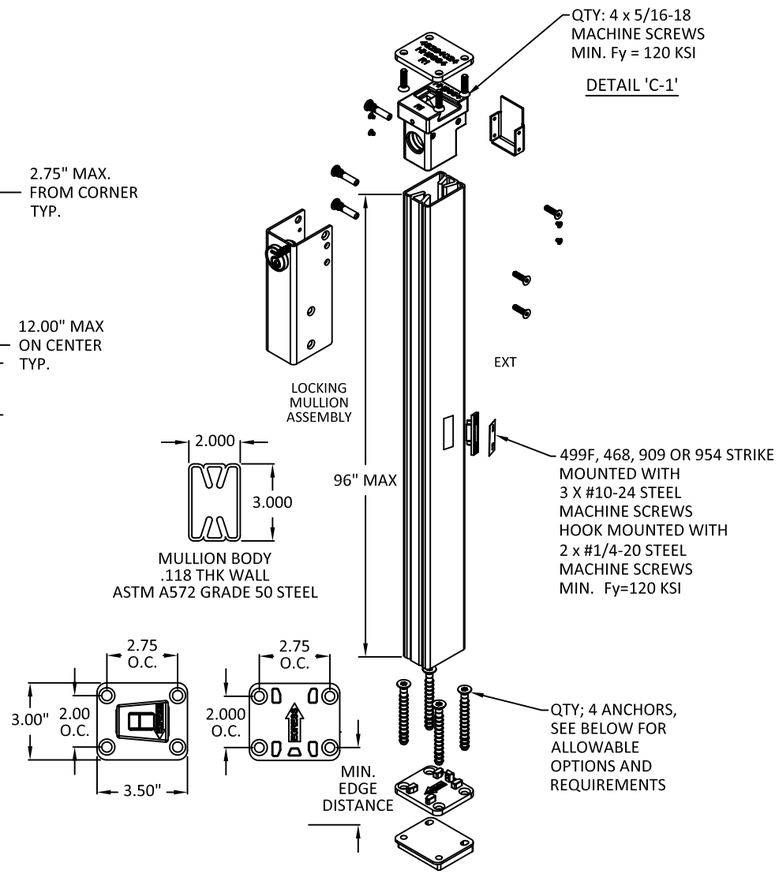
SHEET: 30 OF 39



ANEMOSTAT SG-10 OR
AIR LOUVER VLF-S10 HIGH
SECURITY METAL VISION
FRAME

VON DUPRIN MULLION

9964 OR KR9964 MULLION

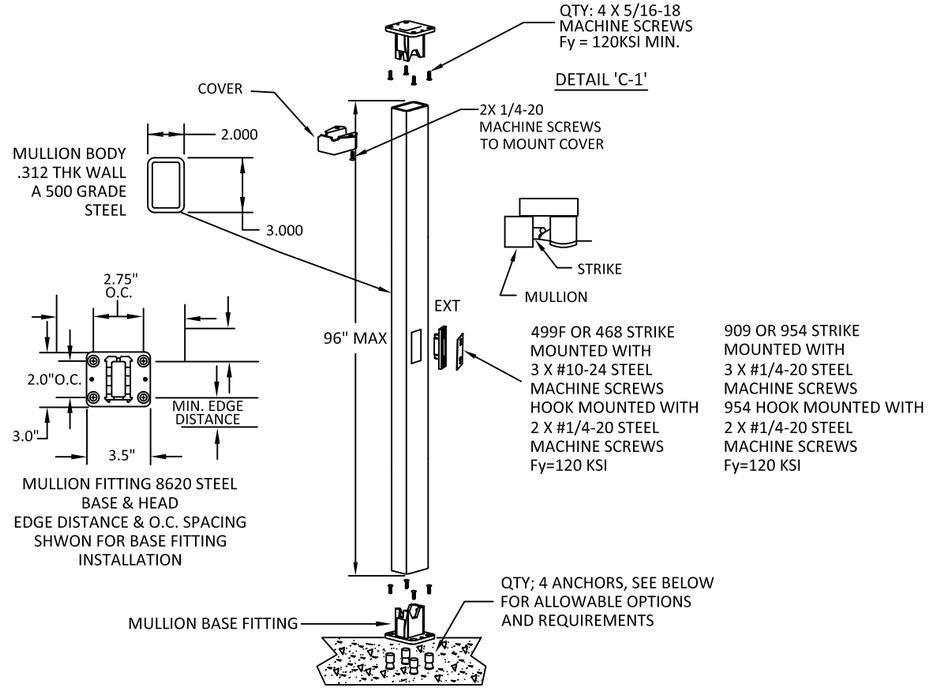


DETAIL 'C-2'

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

VON DUPRIN MULLION

HH9954 MULLION



DETAIL 'C-2'

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

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

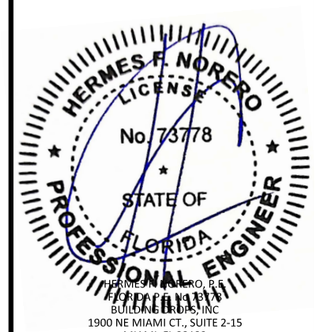
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

MULLION & HIGH SECURITY
VISION FRAME 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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

DWG. BY: CA | CHK. BY: HFN

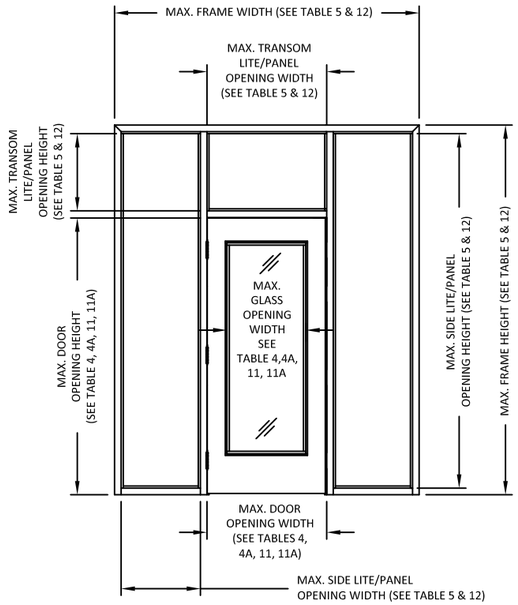
SCALE: NTS

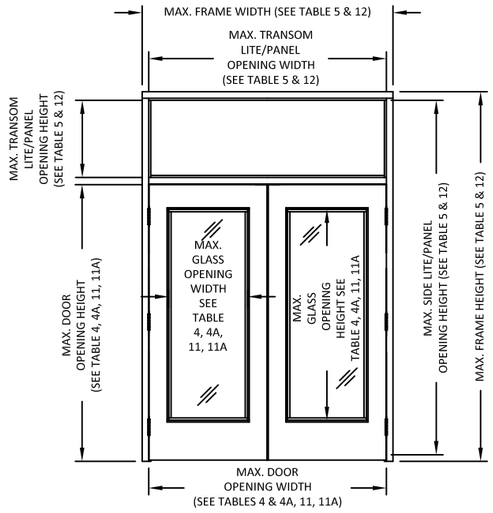
DWG. #: F975W | REV L

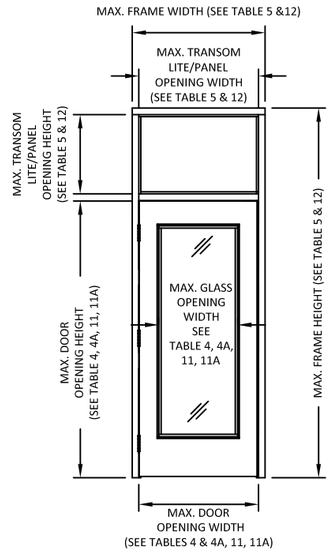
SHEET: 31 OF 39

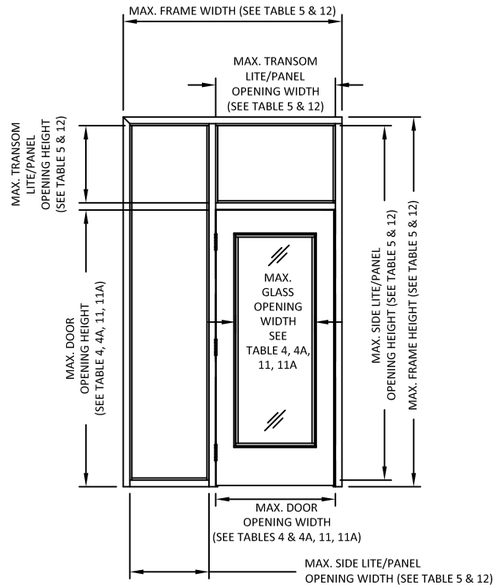
NOTES:
1. TABLES 4, 4A, & 5 SEE SHT. 13
2. TABLES 11, 11A, & 12 SEE SHT. 38

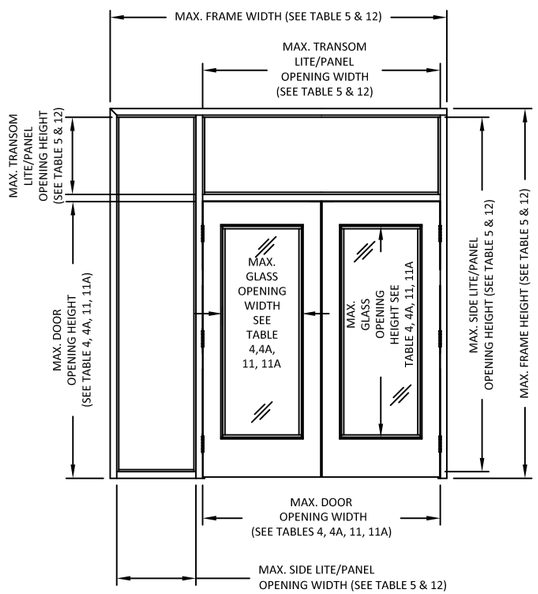
ALTERNATE QUALIFIED CONFIGURATIONS

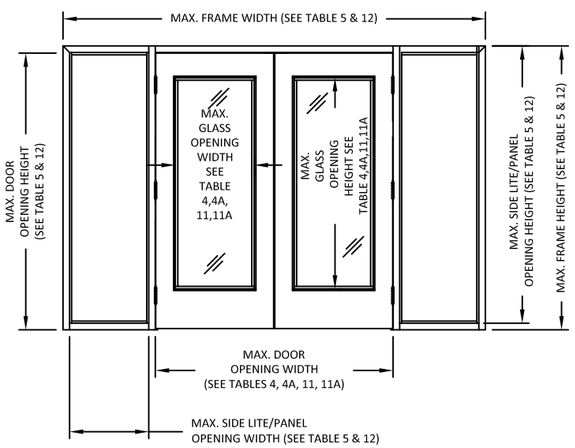


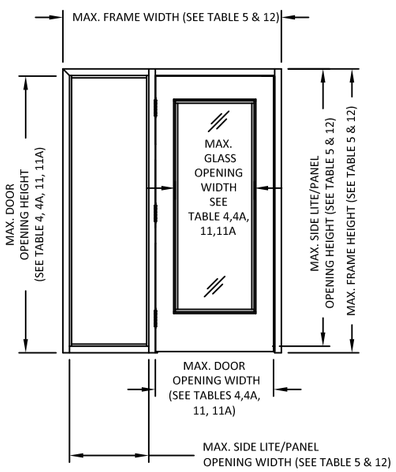












ALLEGION-SCHLAGE LOCK COMPANY, LLC
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
(317) 715-4073

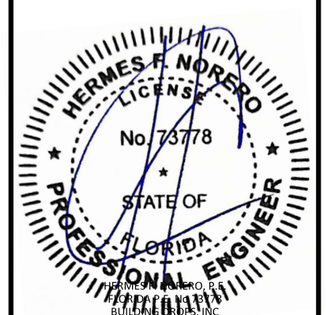
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

ALTERNATE DOOR & FRAME CONFIGURATIONS

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

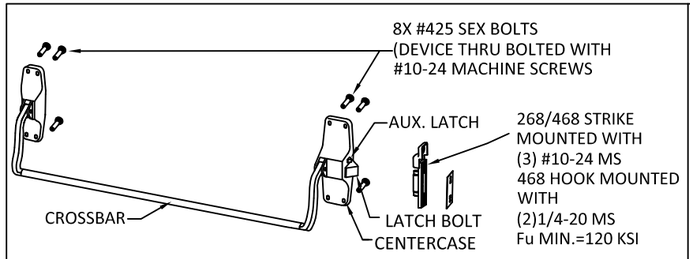
DATE: 05.16.22

DWG. BY: CA | CHK. BY: HFN

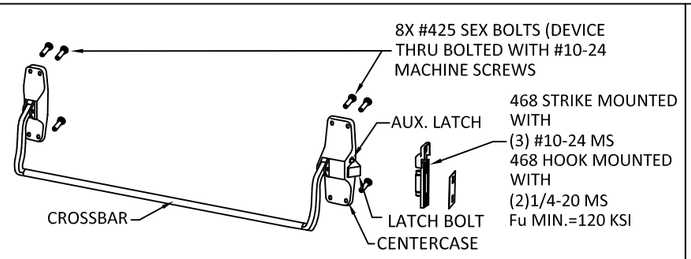
SCALE: NTS

DWG. #: F975W | REV L

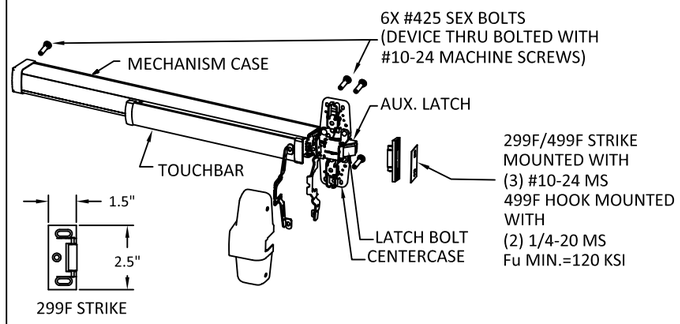
SHEET: 32 OF 39



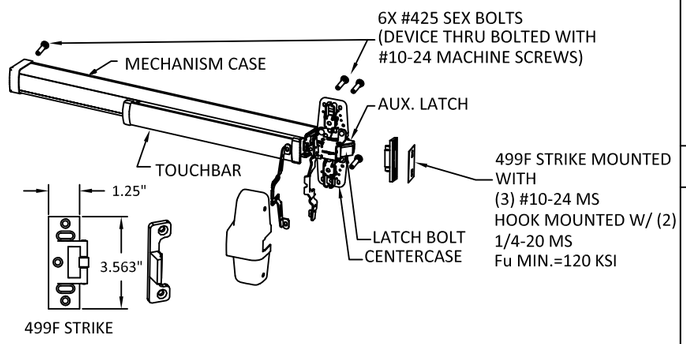
VON DUPRIN 88-F RIM EXIT DEVICE
USED IN SINGLE DOOR CONFIGURATIONS: 1SD, & 7DS



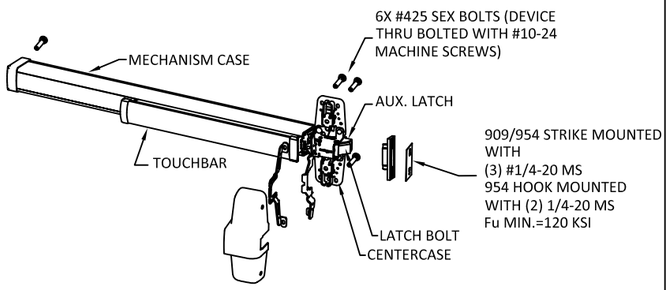
VON DUPRIN 88-F RIM EXIT DEVICE
USED IN DOUBLE DOOR CONFIGURATION: 1DD



VON DUPRIN 98, 99, 98-F, 99-F, HH78, HH78-F RIM EXIT DEVICE
USED IN SINGLE DOOR CONFIGURATIONS: 1SD, & 7DS

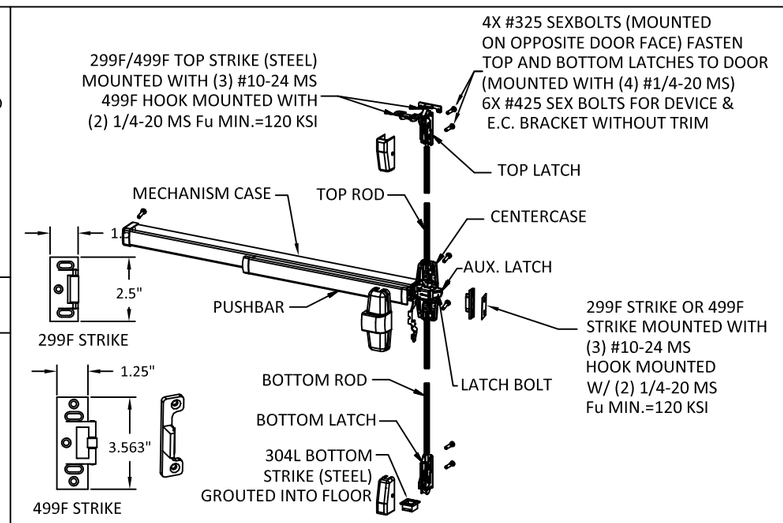


VON DUPRIN 98, 99, 98-F, 99-F, HH78, HH78-F RIM EXIT DEVICE
USED IN DOUBLE DOOR CONFIGURATION: 1DD

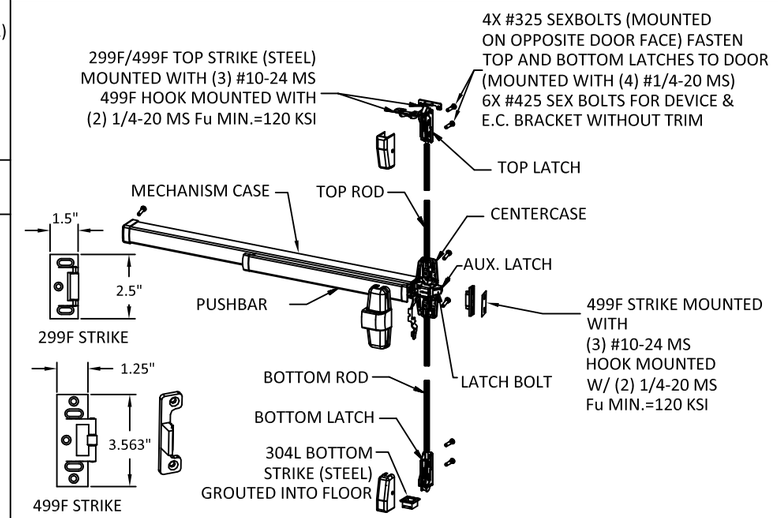


VON DUPRIN XP98, XP99, XP98-F, XP99-F RIM EXIT DEVICE
USED IN SINGLE DOOR CONFIGURATIONS: 1SD & 7SD
USED IN DOUBLE DOOR CONFIGURATION: 1DD

NOTES:
1. EXIT HARDWARE OPTIONS:
FOR 98/99, HH78 & XP98/99 SERIES - OPTIONS E, RX, LX, SS, EL, QEL, CX, F, ALK, CD, PN
TRIM: ALL APPLICABLE TRIMS AVAILABLE.
FOR 88-F SERIES - OPTION E; PN MODEL OFFERED.
TRIM: ALL APPLICABLE TRIMS AVAILABLE.
2. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.



VON DUPRIN 9857, 9957, 9857-F, 9957-F THREE POINT EXIT DEVICE
USED IN SINGLE DOOR CONFIGURATIONS: 4SD & 8SD



VON DUPRIN 9857, 9957, 9857-F, 9957-F THREE POINT EXIT DEVICE
USED IN DOUBLE DOOR CONFIGURATIONS: 4DD

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

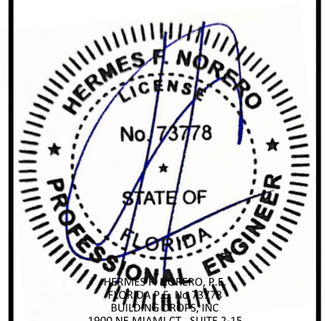
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

LOCKING HARDWARE

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

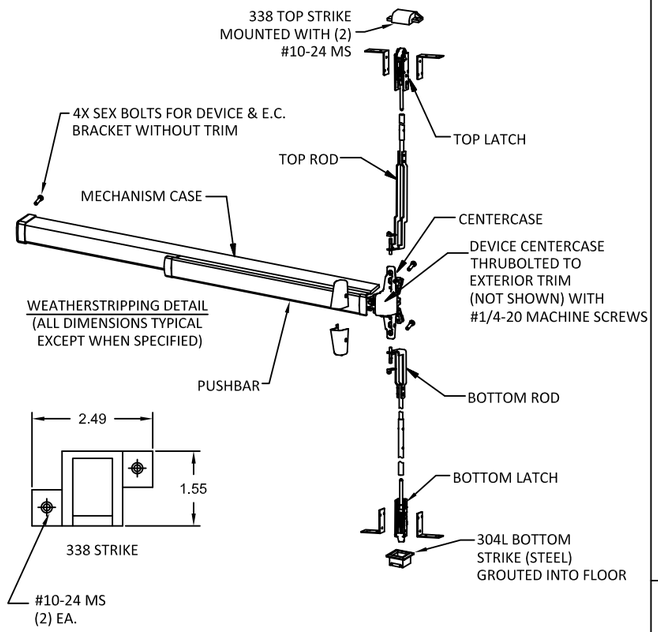
DATE: 05.16.22

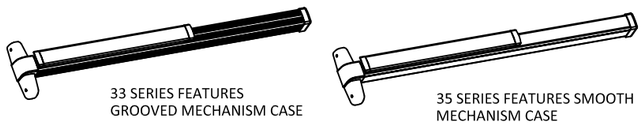
DWG. BY:	CHK. BY:
CA	HFN

SCALE: NTS

DWG. #: F975W | REV L

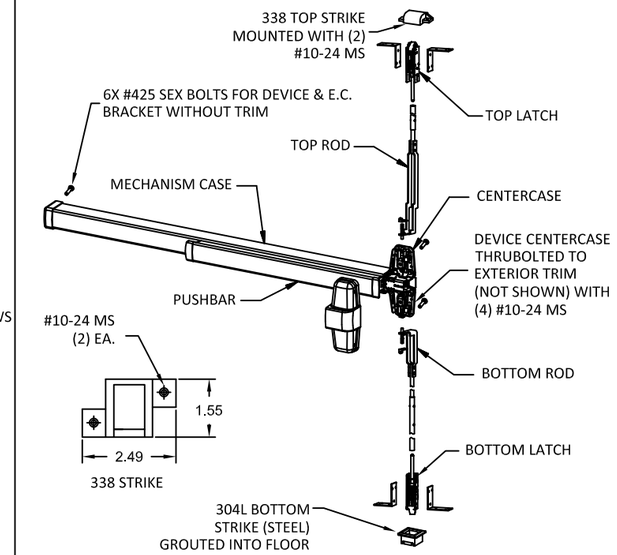
SHEET: 33 OF 39



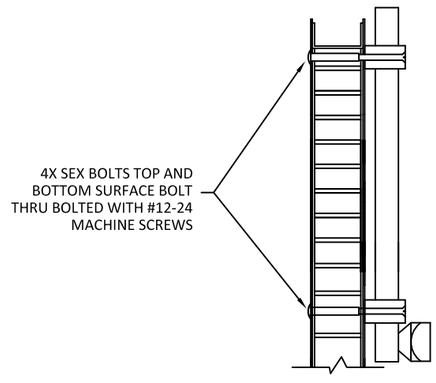


VON DUPRIN 3347A-F, 3547A-F, HH3347A, HH3547A, HH7547, HH7547-F
WITH 2-3/4" BACKSET CONCEALED VERTICAL ROD DEVICE
USED IN CONFIGURATION: 3DD & 3SD

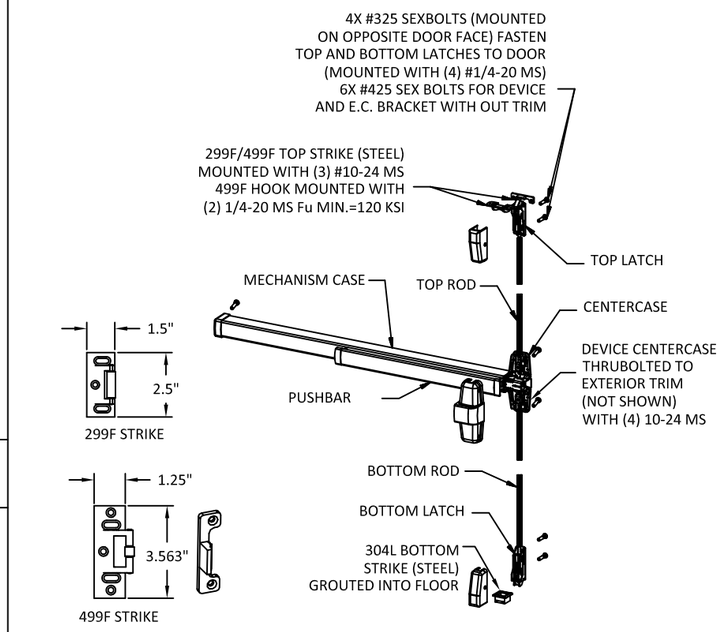
NOTES:
1. EXIT HARDWARE OPTIONS:
FOR 98/99, HH78 & XP98/99 SERIES - OPTIONS E, RX, LX, SS, EL, QEL, CX, F, ALK, CD, PN
(OPTIONS MAY VARY PER SERIES)
TRIM: ALL APPLICABLE TRIMS AVAILABLE.
FOR 33/35-F & HH75 SERIES - OPTIONS RX, LX, E, QEL, EL, SS, CX, F, ALK, CD, PN, LD
TRIM: ALL APPLICABLE TRIMS AVAILABLE.
2. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE.
INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY
THE CORRESPONDING AUTHORITY.



VON DUPRIN 9847-F, 9947-F, HH9847, HH9947, HH7847, HH7847-F
WITH 2-3/4" BACKSET CONCEALED VERTICAL ROD DEVICE
USED IN CONFIGURATION: 3DD & 3SD



IVES SURFACE BOLT SB360
USED ON INACTIVE DOOR FOR CONFIGURATIONS: 5DD & 6DD



VON DUPRIN 9827, 9927, 9827-F, 9927-F, HH7827, HH7827-F SURFACE
VERTICAL ROD DEVICE USED IN CONFIGURATION: 2DD & 2SD

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

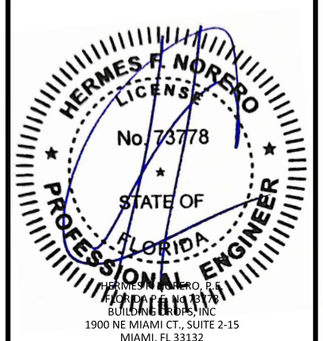
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

LOCKING HARDWARE CONT.

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

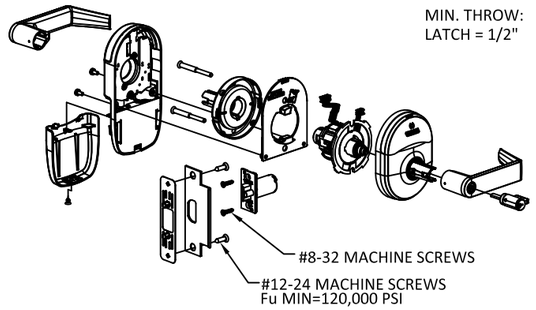
DATE: 05.16.22

DWG. BY: CA | CHK. BY: HFN

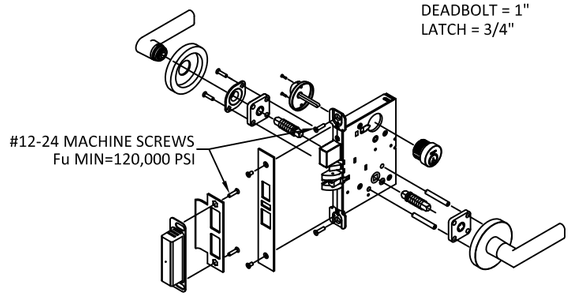
SCALE: NTS

DWG. #: F975W | REV L

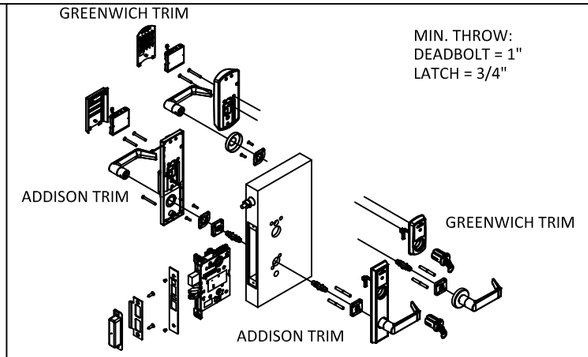
SHEET: 34 OF 39



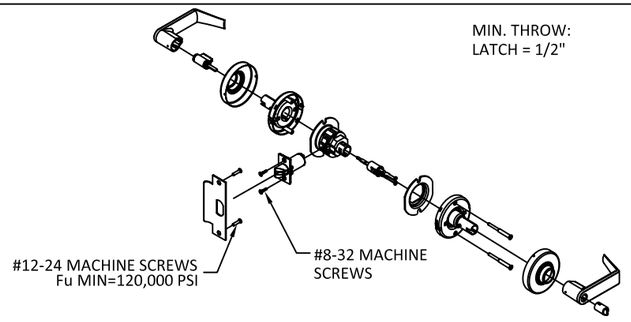
SCHLAGE NDE & NDEB SERIES CYLINDRICAL LOCKSET
USED IN CONFIGURATIONS: 6DD, 6SD &10SD



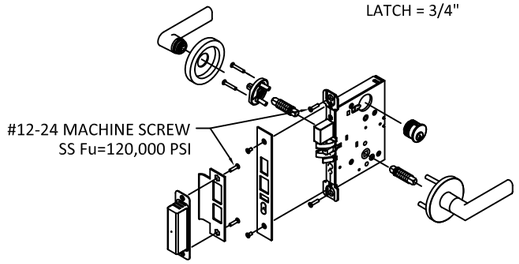
SCHLAGE L/LV 9400 & PM400 SERIES MORTISE LOCKSET W/
DEADBOLT USED IN CONFIGURATIONS: 5DD, 5SD & 9SD



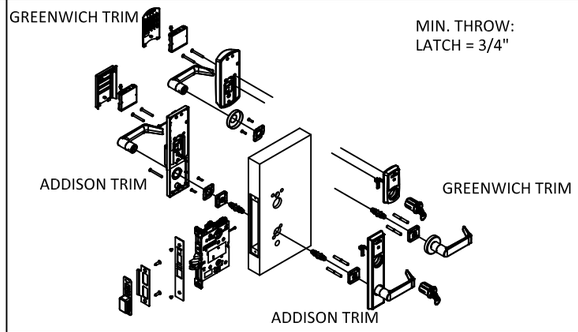
SCHLAGE LE-MD & LEB-MD SERIES MORTISE LOCKSET W/
DEADBOLT USED IN CONFIGURATIONS: 5DD, 5SD & 9SD



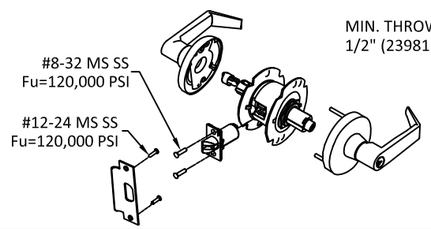
SCHLAGE D/ND-SERIES CYLINDRICAL LOCKSET USED IN
CONFIGURATIONS:6DD, 6SD & 10SD



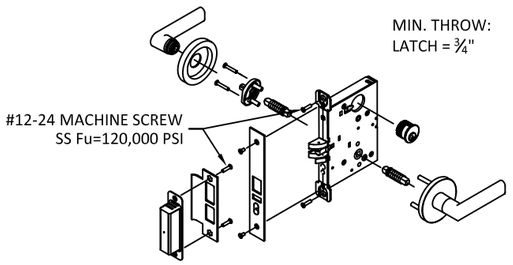
FALCON MA-SERIES MORTISE LOCKSET W/
DEADBOLT USED IN CONFIGURATIONS:5DD, 5SD & 9SD



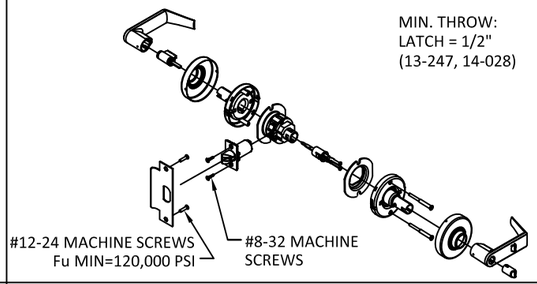
SCHLAGE LE-MS, LEB-MS, LE-MD & LEB-MD SERIES
MORTISE LOCKSET W/ DEADBOLT USED IN
CONFIGURATIONS: 5DD, 5SD & 9SD



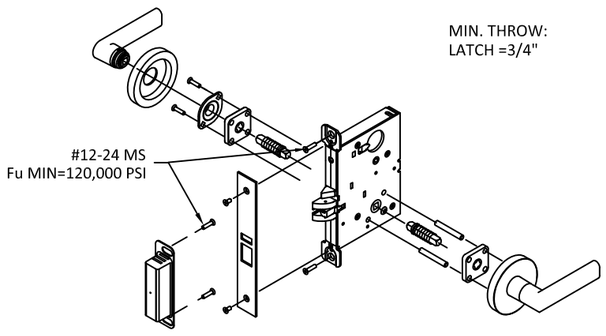
FALCON,T,TM-SERIES CYLINDRICAL LEVER LOCKSET USED IN
CONFIGURATIONS:6DD, 6SD & 10SD



FALCON MA-SERIES MORTISE LOCKSET W/O
DEADBOLT IN CONFIGURATIONS:5DD, 5SD & 9SD



SCHLAGE ALX & PC SERIES CYLINDRICAL LOCKSET USED
IN CONFIGURATIONS:6DD, 6SD & 10SD



SCHLAGE L/LV9000 & PM SERIES MORTISE LOCKSET W/
DEADBOLT USED IN CONFIGURATION:5DD, 5SD & 9SD

NOTES:
1. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.

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

TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

LOCKING HARDWARE CONT.

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

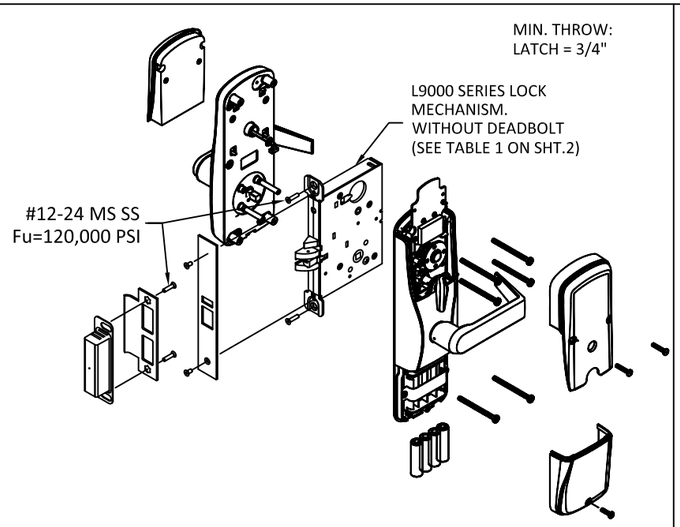
DATE: 05.16.22

DWG. BY: CA | CHK. BY: HFN

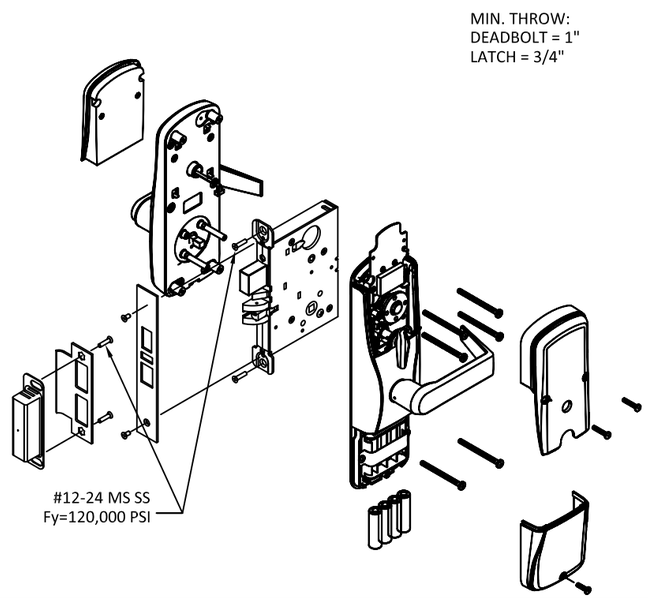
SCALE: NTS

DWG. #: F975W | REV L

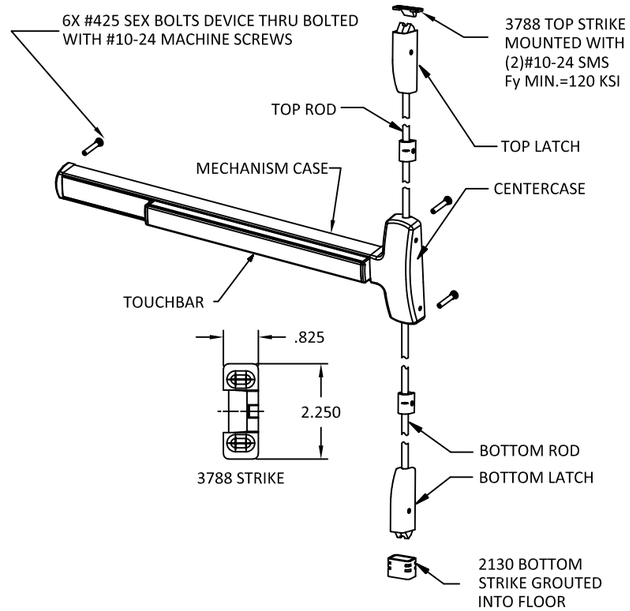
SHEET: 35 OF 39



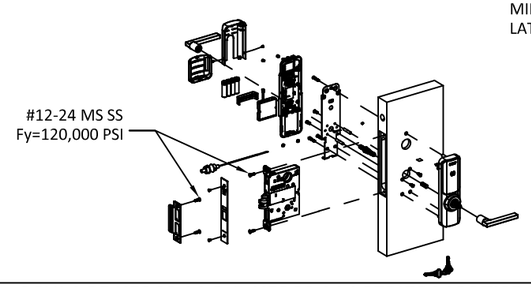
SCHLAGE AD-MS & CO-MS SERIES MORTISE LOCKSET USED IN CONFIGURATIONS : 5DD, 5SD & 9SD



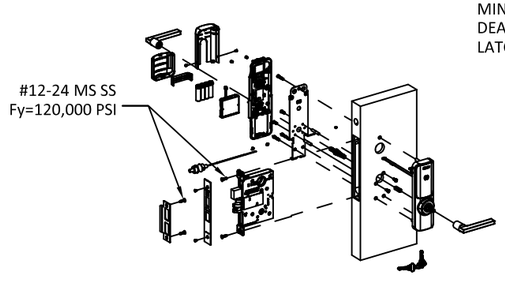
SCHLAGE AD-MD & CO-MD SERIES MORTISE LOCKSET USED IN CONFIGURATIONS: 5DD, 5SD & 9SD



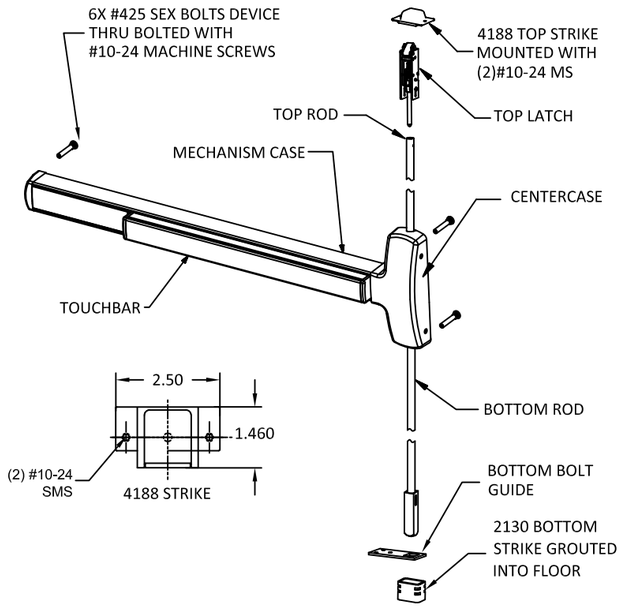
FALCON 25-V F-25-V SURFACE VERTICAL ROD EXIT DEVICE USED IN DOOR CONFIGURATIONS: 2DD & 2SD.



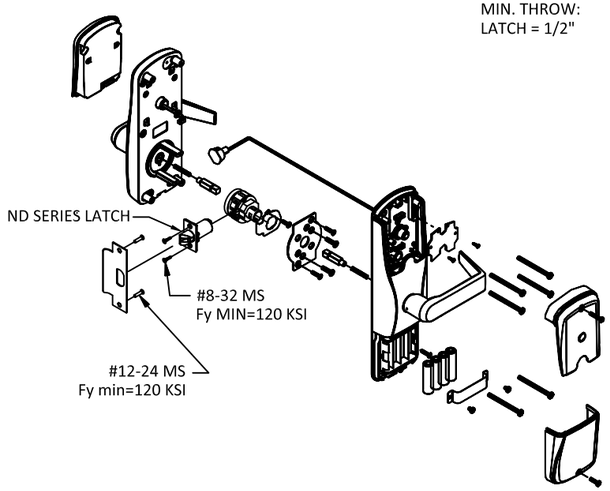
SCHLAGE XE360-M-B & XE360-M-I SERIES MORTISE LOCKSET W/O DEADBOLT USED IN CONFIGURATIONS 5DD, 5SD & 9SD



SCHLAGE XE360-M-D SERIES MORTISE LOCKSET WITH DEADBOLT USED IN CONFIGURATIONS 5DD, 5SD & 9SD



FALCON F-25-C CONCEALED VERTICAL ROD EXIT DEVICE USED IN DOOR CONFIGURATIONS: 3DD & 3SD



SCHLAGE AD-CY & CO-CY SERIES CYLINDRICAL LOCKSET USED IN CONFIGURATIONS: 6DD, 6SD & 10SD

NOTES:
1. EXIT HARDWARE OPTIONS:
F-25-C & (F)25-V SERIES - OPTIONS AE, DM, LM, KOR, MEL, EA, FSA, FSE, CD, RX, LD TRIMS: ALL APPLICABLE TRIMS AVAILABLE.
2. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.

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

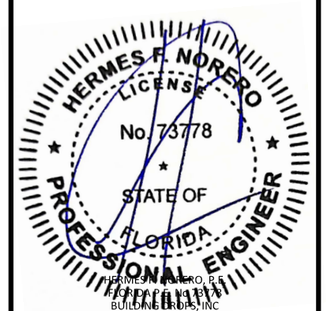
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

LOCKING HARDWARE CONT.

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

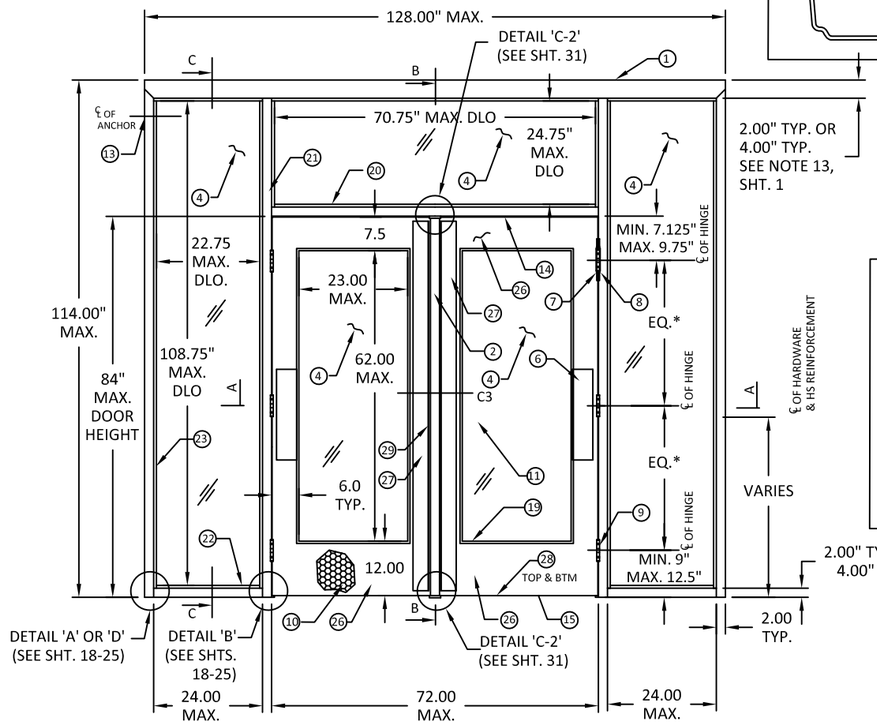
DWG. BY: CA | CHK. BY: HFN

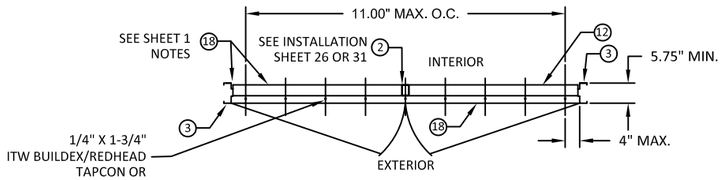
SCALE: NTS

DWG. #: F975W | REV L

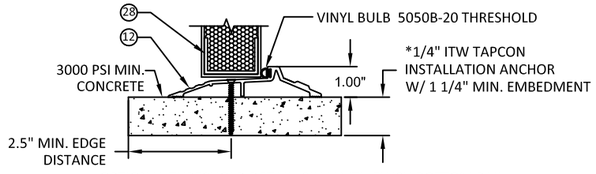
SHEET: 36 OF 39

OUTSWING DOORS WITH RIM EXIT DEVICE SHOWN WITH VON DUPRIN MULLION



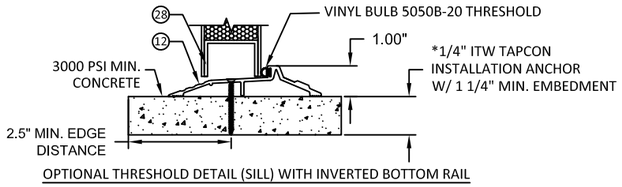


TYPICAL SILL INSTALLATION (SEE SHTS. 18-26 & 37)

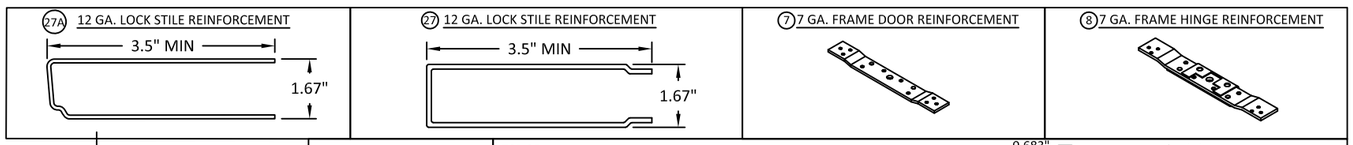


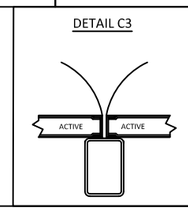
OPTIONAL THRESHOLD DETAIL (SILL) WITH FLUSH BOTTOM RAIL

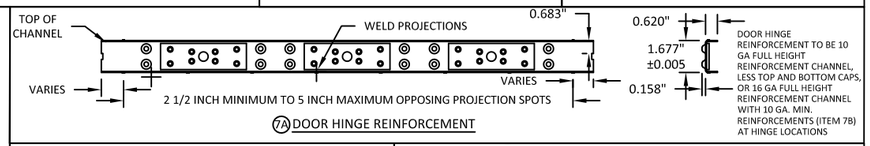
*NOTE: 803V THRESHOLD MAY BE INSTALLED WITH #12 WOOD SCREW TYPE INSTALLATION ANCHORS WHEN INTO 2X WOOD BUCK SUBSTRATES (MIN. SG= 0.55) WITH MINIMUM 1-1/2" EMBEDMENT AND 3/4" MINIMUM EDGE DISTANCE



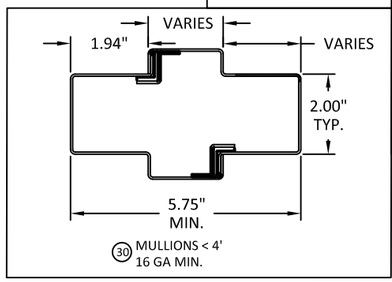
OPTIONAL THRESHOLD DETAIL (SILL) WITH INVERTED BOTTOM RAIL



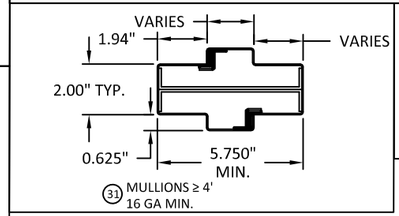




7A DOOR HINGE REINFORCEMENT

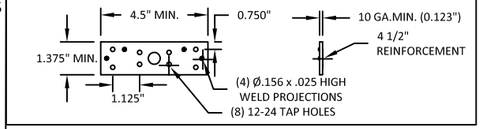


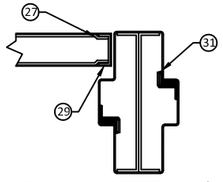
30 MULLIONS < 4' 16 GA MIN.



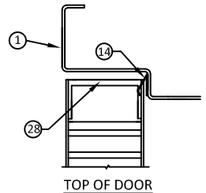
31 MULLIONS ≥ 4' 16 GA MIN.

7B 10 GA. DOOR HINGE REINFORCEMENT

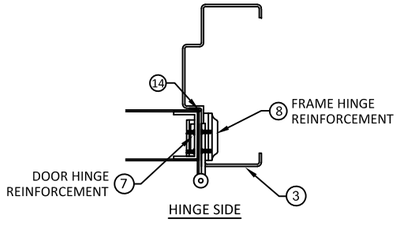




LOCK STILE REINFORCEMENT / MULLION



TOP OF DOOR



HINGE SIDE

TABLE 10 (SEE TABLE 2 SHEET 4 FOR OPTION 1 CONFIGURATION)

ITEM	QUANTITY	DESCRIPTION		MATERIAL	SIZE
1	1	PERIMETER HEAD & SIDELITE SILL SEE SHT. 12		.053" MIN. STL	MAX. 128"
2	1	2A) VON DUPRIN HH9954 HARDWARE MULLION		.312" A500 STL	MAX. 84"
		2B) VON DUPRIN 9964 OR KR9964 HARDWARE MULLION		.118" A500 STL	MAX. 84"
3	2	PERIMETER JAMB SEE SHT. 12		.053" MIN. STL	MAX. 114"
4	VARIES SEE SHEET 15	SIDE OR TRANSOM PANEL/LITE			
		1) STEEL PANEL 16 GA.		.053" MIN. STL	1.75" X 24" X 110" MAX
		2) POLYCARBONATE (LEXAN) SABIC INNOVATIVE PLASTICS		0.5" MIN. THICK	24" X 110" MAX.
		3) LAMINATED GLASS WITH (SENTRYGLAS INTERLAYER)		0.562" MIN. THICK	
		4) LAMINATED GLASS (SUPERLITE II)		1.06" OR 1.438" MIN. THICK	
		5) LAMINATED GLASS (WITH SAFLEX CP INTERLAYER)		0.312" MIN. THICK	
6	1	HINGE SIDE PANIC REINFORCEMENT		.067" MIN. STL	MAX. 20"
7	NOTE 6, SHT. 1	HINGE REINFORCEMENT DOOR		.167" MIN. STL	1.23" X 9.19" MIN.
7A	NOTE 6, SHT. 1	HINGE REINFORCEMENT DOOR		.053" MIN. STL	1.67" - FULL HEIGHT - END CHNLS
7B	NOTE 6, SHT. 1	HINGE REINFORCEMENT DOOR		.123" MIN. STL	1.375" X 4.5" MIN.
8	NOTE 6, SHT. 1	HINGE REINFORCEMENT FRAME		.167" MIN. STL	1.5" X 9.19" MIN.
9	NOTE 6, SHT. 1	4.5" X 4.5" BUTT HINGES (SEE SHT. 30)		.167" MIN. STL	(8) #12-24 MS PER HINGE
		OPTIONAL CONTINUOUS HINGE (SEE SHT. 30)		.075" MIN. STL / .11 ALUM	MAX. 83"
10	2	CORE MATERIAL (SHT. 11) A&D) POLYSTYRENE B&E) POLYURETHANE C) HONEYCOMB		-	-
11	2	LOCKING HARDWARE - EXIT DEVICE SEE SHTS. 33-36			
12	1	THRESHOLD SILL W/ BUMPER GASKET			
		12A) ZERO 566 12C) ZERO 65 12D) ZERO 568 12E) NGP 803V		.125" ALUM. 6063T5	6.00" X 0.5" X 72" MAX.
		12B) NGP 950		.078" ALUM. 6063 T5	5.50" X 0.5" X 72" MAX.
13	NOTE 5, SHT. 1	JAMB ANCHOR - OPTIONS VARY		3/16" DIA. BASIC WIRE	5.19" X 9.56"
14	3	14A) ZERO PS074		TPE	MAX 24"
		14B) 188S 14C) 117S 14D) 8144S 14E) 8150S		SILICONE	
15	-	-		-	-
16	-	-		-	-
17	2	17A) SPLIT ASTRAGAL		SEE SHEETS 28 & 29	-
	1	17B) Z-ASTRAGAL		.067" MIN. STL	MAX. 84"
18	AS NEEDED	BUTYL RUBBER OR SILICONE		-	-
19	VARIES SEE SHEET 16 & 31	GLASS HOLDING DOOR TRIM			VARIES SEE SHEET 14, 31, 38 & 39
		1) DEZIGNER TRIM		.024" MIN. STL	
		2) STEEL OVERLAPPING TRIM		.035" MIN. STL	
		3) STEEL OVERLAPPING TRIM		.035" MIN. STL	
		4) HIGH SECURITY VISION FRAME	SG-10 BY ANEMOSTAT	.093" MIN. STL	
			VLF-S10 AIR LOUVERS	.123" MIN. STL	
		5) VLF-EZHRC		-	
		6) VLF-IGHRC		-	
20	1	TRANSOM BAR MULLION, 16 GA.		.053" MIN. STL	MAX. 72"
21	2	SINGLE HINGE MULLION, 16 GA.		.053" MIN. STL	MAX. 112"
22	2	SILL SECTION		.053" MIN. STL	MAX. 24"
23	12	FRAME GLAZING BEAD (STOP)		.035" MIN. STL	.375" X .625" X 110" MAX.
25	NOTE 13, SHT. 1	CUTOUT REINFORCEMENT CHANNEL (18 GA)		.047" MIN. STL	.5" MIN. X 1.5" MIN. X 64.064" MAX.
26	2	DOOR SLAB (16 OR 14 GA)		SEE SHEET 5	36" X 84" MAX.
27	2	LOCK STILE REINFORCEMENT		.099" MIN. STL	-
27A	2	LOCK STILE REINFORCEMENT			-
28	4	END CHANNEL (16 GA. - INVERTED OR FLUSH)		.053" MIN. STL	-
29	4	EDGE REINFORCEMENT CHANNEL, 16 GA. MIN.		.053" MIN. STL	0.62" X 1.677"
30	VARIES	MULLIONS < 4'		.053" MIN. STL	-
31	VARIES	MULLIONS ≥ 4'		.053" MIN. STL	-
32	AS NEEDED	"C" CHANNEL 16 GA.		5.75" X .75" MIN. STL	.053" MIN. STL
33	2	IVES SB360 SURFACE BOLT		STEEL	12" MIN. - 24" MAX. LENGTH

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

TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

REPUBLIC DOORS: SINGLE & DOUBLE DOORS W/ SIDE & TRANSOM PANELS/LITES

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

DWG. BY: CA | CHK. BY: HFN

SCALE: NTS

DWG. #: F975W | REV L

SHEET: 37 OF 39



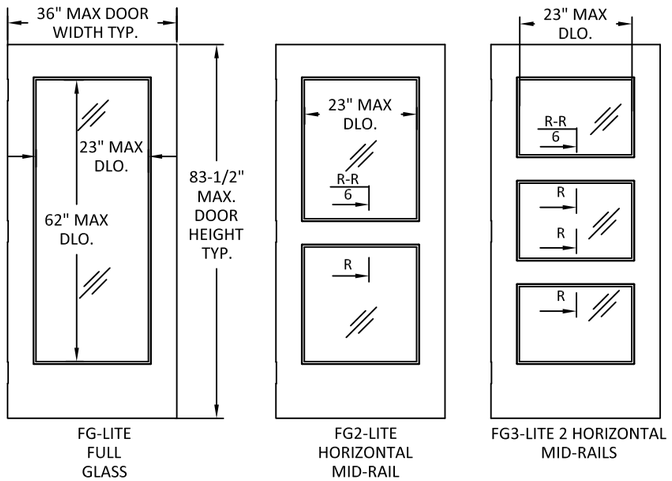
TABLE 11: AVAILABLE REPUBLIC DOOR CONFIGURATIONS (SEE NOTE 2.4)

REPUBLIC DOOR SERIES	CORE MATERIAL PER SHT. 11	DOOR OPENING SIZE, MAX.		SKIN MATERIAL		GLASS OPENING SIZE, MAX.		GLAZING MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK	WIDTH	HEIGHT	DESCRIPTION	THICKNESS
DL	HONEYCOMB POLYSTYRENE POLYURETHANE STEEL STIFFENED	6'0" (72") OR 3'0" (36")	7'0" (84")	CRS GALV Fy MIN=41.5KSI	16/.053"	1'11" (23")	5'2" (62")	POLYCARBONATE LEXAN BY SABIC MAKROLON BY BAYER	1/2" TYP.
								LAMINATED GLASS WITH 0.09" KURARAY SENTRYGLAS INTERLAYER	9/16" MIN.
DE				CRS GALV Fy MIN=41.5KSI	16/.053" 14/.067"			LAMINATED GLASS SUPERLITE II BY SAFTI	1-1/16" OR 1-7/16" MIN.

TABLE 11A: AVAILABLE REPUBLIC SINGLE DOOR CONFIGURATIONS (SEE NOTE 2.4)

REPUBLIC DOOR SERIES	CORE MATERIAL PER SHT. 11	DOOR OPENING SIZE, MAX.		SKIN MATERIAL		GLASS OPENING SIZE, MAX.		GLAZING MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK	WIDTH	HEIGHT	DESCRIPTION	THICKNESS
DL	HONEYCOMB POLYSTYRENE POLYURETHANE STEEL STIFFENED	*4'0" (48")	7'0" (84")	CRS GALV	16/.053"	2'-10.25" (34.25")	5'-2" (62")	POLYCARBONATE LEXAN BY SABIC MAKROLON BY BAYER	1/2" TYP.
								LAMINATED GLASS WITH 0.09" KURARAY SENTRYGLAS INTERLAYER	9/16" MIN.
DE		*4'0" (48")	7'0" (84")	CRS GALV	16/.053" 14/.067"			LAMINATED GLASS SUPERLITE II BY SAFTI	1-1/16" OR 1-7/16" MIN.

*SEE SHEET 3 FOR HARDWARE OPTIONS AVAILABLE FOR SINGLE DOORS OVER 3'-0" WIDE.



AVAILABLE DOOR-LITE CONFIGURATIONS (SEE SHTS. 15, 16, 36, & 37)

SEE SHEET 14 FOR DETAIL R

TABLE 12: AVAILABLE REPUBLIC FRAME CONFIGURATIONS (SEE NOTE 1.)

FRAME SERIES	JAMB DEPTH	FRAME MATERIAL		FRAME SIZE, MAX.		TRAMSOM LITE/PANEL OPENING SIZE, MAX.		SIDE LITE/PANEL OPENING SIZE, MAX.		GLAZING MATERIAL	
		DESCR.	GA./MIN. THK	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	DESCRIPTION	THICKNESS
ME / SE	5.75" MIN.	CRS/HRS GALV	16/.053" 14/.067"	10'8" (128")	9'6" (114")	6'0" (72")	2'2" (26")	2'0" (24")	9'2" (110")	POLYCARBONATE LEXAN BY SABIC INNOVATIVE PLASTICS	1/2" TYP.
										LAMINATED GLASS WITH 0.09" KURARAY SENTRYGLAS INTERLAYER	9/16" MIN.
										LAMINATED GLASS SUPERLITE II BY SAFTI	1-1/16" OR 1-7/16" MIN.
SE	5.75" MIN.	CRS/HRS GALV	12/.093"							SIDE/TRANSOM PANEL WITH HONEYCOMB CORE POLYSTYRENE CORE POLYURETHANE CORE	1.75"

TABLE 13: STEEL DOOR & FRAME MECHANICAL PROPERTIES

MATERIAL	ASTM REF.	YIELD KSI	TENSILE KSI
CRS	A1008	MIN. 41.5	MIN. 52.9
HRS	A1011		
GALV:	A924/A653		

NOTES:

1. FRAME CONSTRUCTION
1.1. MINIMUM JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"
1.2. FRAMES AVAILABLE AS ME AND SE (SEE TABLE 12).
1.3. FOR GLAZING DETAILS REFER TO SHEET 15, 16 & 17.
1.4. SIDE/TRANSOM LITE/PANEL SIZES SHOWN (AS TESTED) ARE MAX. SIZES AVAILABLE. MULTIPLE LITES/PANELS ARE ACCEPTABLE WITH TOTAL DIMENSIONS LESS OR EQUAL TO THE SHOWN MAX. DIMENSIONS SHOWN IN TABLE 12.

2. DOOR CONSTRUCTION
2.1. NOMINAL DOOR THICKNESS - 1 3/4"
2.2. GLASS OPENING SIZE (SEE TABLE 11 & 11A) IS MAX SIZE AVAILABLE FOR DOOR OPENING. ALL SMALLER SIZES ARE ACCEPTABLE, AS DETERMINED BY FBC.
2.3. MAXIMUM GLASS OPENING SIZE WILL CHANGE IN PROPORTION WITH DOOR SIZE TESTED.
2.4. DOOR-LITE CONFIGURATIONS: SEE SHEETS 38 & 39.
2.5. FOR GLAZING DETAILS REFER TO SHEET 17.

3. SEE TABLE 13 FOR MATERIAL SPECIFICATIONS FOR DOORS & FRAMES.

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

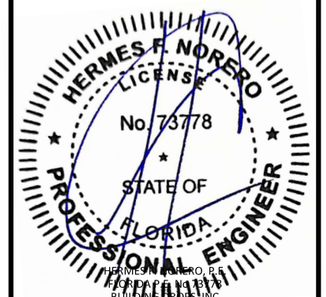
TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

REPUBLIC DOORS: DOOR & FRAME CONFIGURATIONS AND MATERIAL SPECS

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.



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

FL1592

DATE: 05.16.22

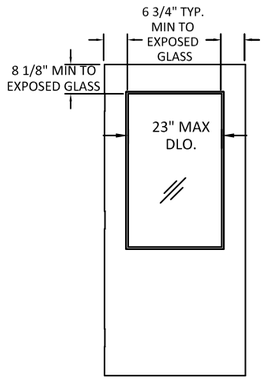
DWG. BY: CA | CHK. BY: HFN

SCALE: NTS

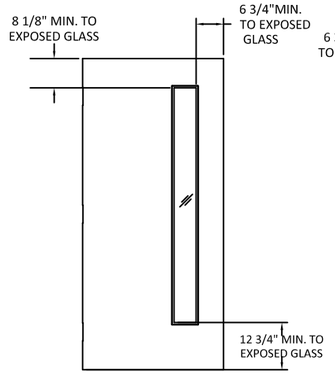
DWG. #: F975W | REV L

SHEET: 38 OF 39

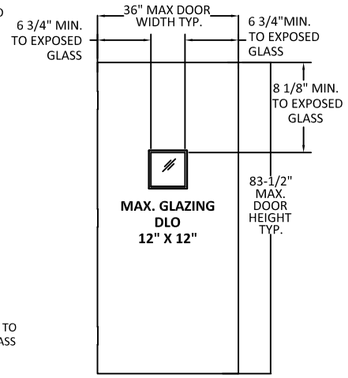
AVAILABLE DOOR PANEL CONFIGURATIONS



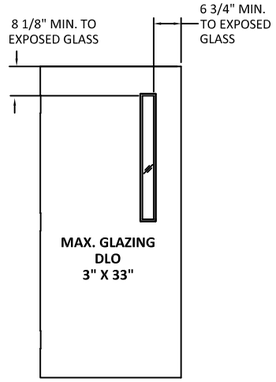
G-LITE
HALF GLASS



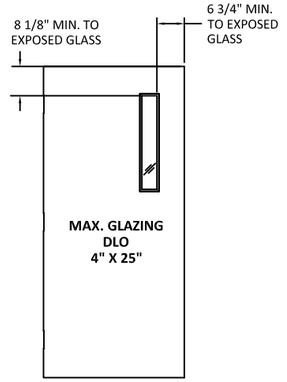
LNL
LONG NARROW LITE



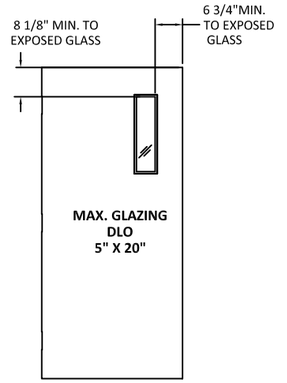
V
VISION LITE



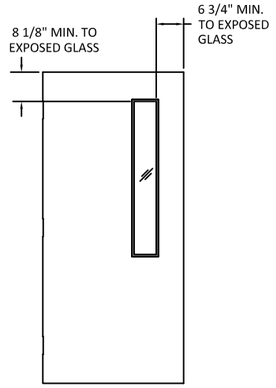
N3



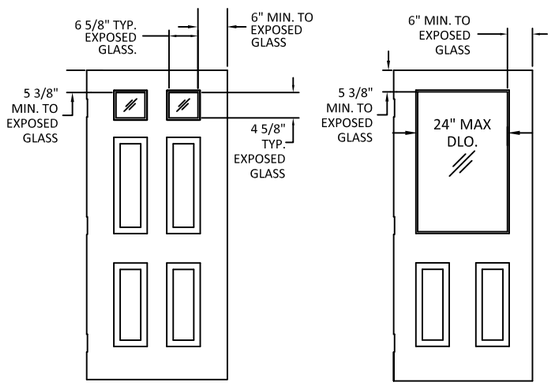
N4



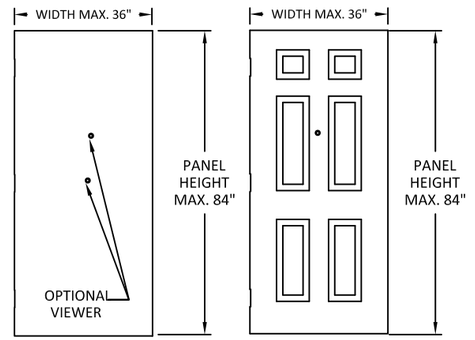
N5



N
NARROW LITE



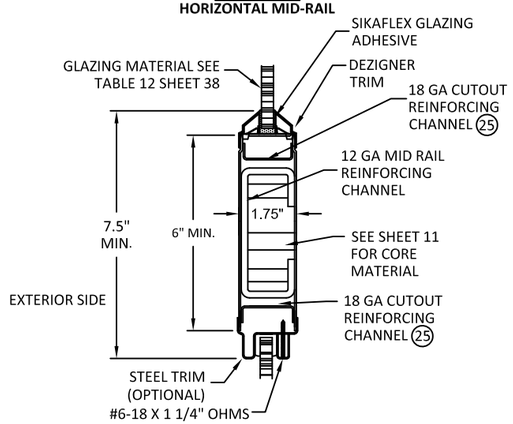
E4 TL **E2 G**



FLUSH **EMBOSSED PANEL**

TYPICAL EMBOSSED PANEL DOORS

SECTION R-R
HORIZONTAL MID-RAIL



NOTES:
1. SEE SHEET 32 FOR 4-0 WIDE SINGLE DOOR QUALIFICATIONS
2. DOOR CONSTRUCTION
2.1. NOMINAL DOOR THICKNESS - 1 3/4"
2.2. GLASS OPENING SIZE (SEE TABLE 11 & 11A. SHEET 38) IS MAX SIZE AVAILABLE FOR DOOR OPENING. ALL SMALLER SIZES ARE ACCEPTABLE, AS PERMITTED BY FBC.
2.3. MAXIMUM GLASS OPENING SIZE WILL CHANGE IN PROPORTION WITH DOOR SIZE.
2.4. FOR DOOR GLAZING DETAILS REFER TO SHEET 15 & 16.
2.5. WHEN USING CONTINUOUS HINGE THE MINIMUM DISTANCE FROM DOOR EDGE TO EXPOSED GLASS IS 6 1/4" AT STILES AND 7-1/2" AT MID RAILS.
3. VERIFY GLAZING OPTION ON SHEET 15 IS AVAILABLE FOR GLASS LITE TYPE AND SIZE.
4. CUT OUT REINFORCEMENT CHANNEL MAY BE INSTALLED INVERTED OR FLUSH.

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

TITLE: *OUTSWING COMMERCIAL STEEL DOOR SYSTEMS W/ SIDELITES & TRANSOMS (HVHZ)(IMPACT)*

REPUBLIC DOORS:
DOOR CONFIGURATIONS

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	10.05.23
MPP/ANCHOR UPDATE	SH	06.11.24
LOCK UPDATE	JA	09.06.24
MULLION UPDATE	DI	11.20.25

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.

HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

FL1592

DATE: 05.16.22

DWG. BY:	CHK. BY:
CA	HFN

SCALE: NTS

DWG. #: F975W | REV L

SHEET: 39 OF 39