

ALLEGION - SCHLAGE LOCK COMPANY, LLC.

OUTSWING SINGLE GLAZED COMMERCIAL STEEL DOOR

(HVHZ)(IMPACT)

GENERAL NOTES:

1. THESE PRODUCTS HAVE BEEN TESTED TO HVHZ PROTOCOLS TAS 201-94, 202-94, 203-94, ASTM PROTOCOLS E283-04(12), E330-14, E331-00(09) AND COMPLY WITH THE CURRENT FLORIDA BUILDING CODE.
2. THE DOORS ARE LARGE AND SMALL MISSILE IMPACT RATED.
- NOTES:

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

2. ANCHOR REQUIREMENTS: SEE SHEET 14 - 19 & 29 - 34 FOR APPROVED ANCHORS AND INSTALLATION.

3. HINGE REQUIREMENTS:

FOR DOOR OPENING UP TO 90" HIGH - MIN. (3) BUTT HINGES

FOR DOOR OPENING OVER 90" - 96" HIGH - MIN (4) BUTT HINGES

LOCATIONS: 7.125" MIN - 9.75" MAX. FROM RABBET IN HEAD TO CL OF TOP HINGE

9" MIN. -12.25" MAX. FROM FLOOR TO CL OF BOTTOM HINGE, EQUALLY SPACED IN BETWEEN.

HINGE LOCATIONS MAY VARY, MAX SPACING NOT TO EXCEED 35.5" FOR THREE HINGES.

4. APPROVED CONTINUOUS HINGE MODELS: SEE SHEET 22

5. SEE SHEET 3-7, 26, AND 28 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.

6. HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.

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

8. APPLY CAULK AS NEEDED

9. WHEN WATER INFILTRATION RATING IS REQUIRED, INSTALL GASKETING PER SHEETS 20.

10. WHEN WATER INFILTRATION RATING IS NOT REQUIRED, INSTALL GASKETING PER SHEETS 21

11. MASONRY WIRE, T ANCHORS AND EXISTING MASONRY ANCHORS WITHOUT BOLT MAY BE USED IN MIN. 2700PSI POURED CONCRETE TILT UP WALLS.

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

13. 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.

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

15. SEE SHEET 13 AND 13A FOR GLAZING DETAILS

16. WHEN USING CONTINUOUS HINGE THE MINIMUM DISTANCE FROM DOOR EDGE TO EXPOSED GLASS IS 6-1/4" AT STILES AND 7-1/2" AT MIDRAILS

17. INSTALL CUTOUT REINFORCEMENT CHANNELS (ITEM #19) AROUND EACH LITE CUTOUT.

CONSTRUCTION NOTES:

1. DOOR CONSTRUCTION

1.1. NOMINAL DOOR THICKNESS - 1 3/4"

1.2. DOORS AVAILABLE IN FLAT AND EMBOSSED SURFACE MODELS
2. FRAME CONSTRUCTION

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

2.2. STEELCRAFT FRAMES AVAILABLE AS FLUSH (F-SERIES) AND MULTI-USE (MU-SERIES) (SEE TABLE. 4, SHT. 11). REPUBLIC DOOR FRAMES AVAILABLE AS ME-SERIES AND SE-SERIES (SEE TABLE 12, SHT. 28)
3. FOR STEELCRAFT DOOR/FRAME MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 3, SHT. 10. FOR REPUBLIC DOORS DOOR/FRAME MATERIAL SPECIFICATIONS REFERENCE TABLE 11, SHT. 28.
4. FRAME CORNER WELD: CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM. GRIND, SMOOTH, PRIME, & PAINT. WELD CLASSIFICATION - E70XX. SEE SHEET 11 & 28 FOR DETAIL.

DESIGN PRESSURE RATING			IMPACT RATING
CONFIGURATION	WHERE WATER AND AIR INFILTRATION REQUIREMENTS ARE NEEDED	WHERE WATER AND AIR INFILTRATION REQUIREMENTS ARE <u>NOT</u> NEEDED	LARGE AND SMALL MISSILE IMPACT, LARGE MISSILE IMPACT 50 F/S
1	+75/-75	+75/-75	
2	+75/-75	+75/-75	
3	+60/-60	+60/-60	
4	+60/-60	+60/-60	
5	+50/-50	+50/-50	
6	+60/-60	+60/-60	
7	+60/-60	+60/-60	
8	+50/-50	+50/-50	
9	+75/-75	+100/-100	
9A	+75/-75	+100/-100	
10	+55/-55	+55/-55	
10A	+55/-55	+55/-55	
11	+50/-50	+50/-50	
12	+50/-50	+50/-50	

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES AND DESIGN PRESSURE TABLE
2	TABLE 1: DOOR CONFIG. & LOCKING HARDWARE
3	DOOR CONFIGURATIONS 1-4
4	DOOR CONFIGURATIONS 5-8
5	DOOR CONFIGURATIONS 9-10A
6	DOOR CONFIGURATIONS 11-12
7	OPENING DIMENSIONS & BOM
8	DOOR & FRAME VERTICAL SECTION VIEWS
9	DOOR & FRAME HORIZONTAL SECTION VIEWS
10	DOOR PANEL & CORE DETAILS
11	STEELCRAFT: FRAME DETAILS & CORNER CONSTRUCTION
12	DOOR CONFIGURATION
13	GLAZING DETAILS
13A	GLAZING DETAILS
14	STEELCRAFT: ANCHORS - WIRE OR T MASONRY ANCHOR & WOOD STUD
15	STEELCRAFT: ANCHORS - STEEL STUD & EMA INTO CONCRETE WALL OR CMU
16	STEELCRAFT: ANCHORS - EMA INTO CONCRETE OR CMU W/ LAG BOLT IN WOOD STUD WALL & POURED CONCRETE TILT UP WALL
17	STEELCRAFT: ANCHORS - FRAMES BOLTED TO BUILDING STRUCTURE
18	STEELCRAFT: ANCHORS - FRAMES WELDED TO STEEL STRUCTURE BUILDING
19	STEELCRAFT: FRAME HEAD & SILL ANCHOR DETAILS
20	GASKETING DETAILS FOR WATER INFILTRATION
21	GASKETING DETAILS FOR NO WATER INFILTRATION
22	HINGES, THRESHOLDS, CHANNELS, & STRIKE REINFORECMENTS
23	LOCKING HARDWARE
24	LOCKING HARDWARE - CONT.
25	LOCKING HARDWARE - CONT.
26	REPUBLIC DOORS: OPENING DIMENSIONS & BOM
27	REPUBLIC DOORS: SILL & REINFORCEMENT DETAILS
28	REPUBLIC DOORS: FRAME DETAILS & CORNER CONSTRUCTION
29	REPUBLIC DOORS: ANCHORS - WIRE OR T MASONRY ANCHOR & WOOD STUD
30	REPUBLIC DOORS: ANCHORS - STEEL STUD & EMA INTO CONCRETE WALL OR CMU
31	REPUBLIC DOORS: ANCHORS - EMA W/ LAG BOLT IN WOOD STUD WALL & POURED CONCRETE TILT UP WALL
32	REPUBLIC DOORS: ANCHORS - FRAMES BOLTED TO BUILDING STRUCTURE
33	REPUBLIC DOORS: ANCHORS - FRAMES WELDED TO STEEL STRUCTURE BUILDING
34	REPUBLIC DOORS: FRAME HEAD AND SILL DETAILS



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

TITLE: OUTSWING SINGLE GLAZED COMMERCIAL STEEL DOORS (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

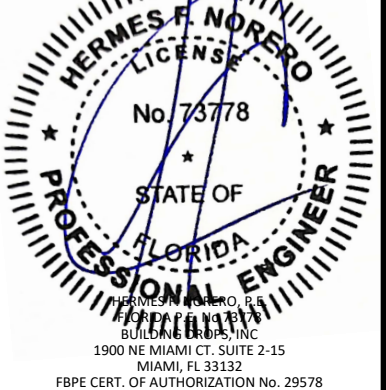
FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25
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: 2025.12.11 18:30:58 -05'00'



FL12400

DATE:	05.04.22
DWG. BY:	CPA
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	IRGS07
SHEET:	

1

TABLE 1: DOOR CONFIGURATIONS AND LOCKING HARDWARE

DOOR CONFIGURATION	MAXIMUM DESIGN PRESSURE, PSF		MAXIMUM DOOR OPENING SIZE, IN		MAXIMUM EXPOSED GLAZING SIZE (DLO)*, IN.		LOCKING HARDWARE DESCRIPTION				COMMENTS
	POSITIVE	NEGATIVE	WIDTH	HEIGHT	WIDTH	HEIGHT	HARDWARE FAMILY	MODEL/SERIES	STRIKE MODELS	BRAND	
1	75	75	36	84	24	64	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-MEB			
								XE360-M-B & XE360-M-I			
								L/LV9400, AD-MD, CO-MD, PM400	10-072	SCHLAGE	FUNCTION WITH DEADBOLT, 3/4" MIN. THROW LATCH & 1" MIN. THROW BOLT
								LE-MD, LEB-MD			
								XE360-M-D			
MA	ANSI	FALCON	FUNCTION WITH OR W/O DEADBOLT, 3/4" MIN. THROW LATCH & 1" MIN. THROW BOLT (IF APPLICABLE)								
2	75	75	36	84	24	64	CYLINDRICAL LOCK	D, ND, NDE, NDEB, AD-CY, CO-CY	10-025	SCHLAGE	1/2" MIN. THROW LATCH (13-247, 14-028)
								ALX, PC	ANSI		
								T, TM	ANSI	ANSI	1/2" MIN THROW LATCH (23981145)
3	60	60	36	84	24	64	SURFACE VERTICAL ROD EXIT DEVICE	9827, 9927, 9827-F, 9927-F	299-F, 499-F TOP, 304L BOTTOM	VON DUPRIN	-
								HH7827, HH7827-F			
								F-25-V & 25-V	3788 TOP, 2130 BOTTOM	FALCON	
4	60	60	36	84	24	64	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, HH3347A, HH3547A	338 TOP, 304L BOTTOM	VON DUPRIN	HH33/3547A DEVICES HAVE A 2-3/4" BACKSET
								F-25-C	4188 TOP, 2130 BOTTOM	FALCON	-
5	50	50	48	96	34.25	74.5	THREE POINT LATCHING DEVICE	9857, 9957, 9857-F, 9957-F	299-F TOP, 499-F TOP/MIDDLE, 304L BOTTOM	VON DUPRIN	-
6	60	60	36	84	24	64	THREE-POINT LATCHING DEVICE	9857, 9957, 9857-F, 9957-F	299-F TOP, 499-F TOP/MIDDLE, 304L BOTTOM	VON DUPRIN	-
7	60	60	36	84	24	64	RIM EXIT DEVICE	98, 99, 98-F, 99-F	299-F, 499-F	VON DUPRIN	-
								HH78, HH78-F			-
								88-F	268/468	VON DUPRIN	-
8	50	50	48	96	34.25	74.5	RIM EXIT DEVICE	98, 99, 98-F, 99-F	299-F, 499-F	VON DUPRIN	-
								HH78, HH78-F			-
								88-F	268/468	VON DUPRIN	-
9	75/100 SEE NOTE 2	75/100 SEE NOTE 2	48	96	12	12	RIM EXIT DEVICE	XP98, XP99, XP98-F, XP99-F	909/954	VON DUPRIN	-
9A					3	33					
10					4	25					
10A	55	55	48	96	5	20	EXIT ALARM LOCK	2670 GUARD-X	267	VON DURPIN	-
					12	12					
					3	33					
11	50	50	48	96	34.25	74.5	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			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)
12	50	50	48	96	34.25	74.5	CYLINDRICAL	D, ND, NDE, NDEB, AD-CY, CO-CY	10-025	SCHLAGE	1/2" MIN. THROW LATCH
								ALX, PC	ANSI		1/2" MIN. THROW LATCH (13-247, 14-028)
								T, TM	ANSI	FALCON	1/2" MIN. THROW LATCH (23981145)

NOTES:
1. SEE SHEETS 23-25 FOR LOCKING HARDWARE.
2. DOOR CONFIGURATIONS 9 AND 9A ARE RATED FOR MAXIMUM DESIGN PRESSURE UP TO ±75 PSF WITH ZERO INT'L THRESHOLD 12A OR FOR DOOR OPENINGS UP TO 3'-0" X 7'-0" WITH NGP THRESHOLD 12B AND ±50 PSF FOR DOOR OPENINGS UP TO 4'-0" X 8'-0" WITH NGP THRESHOLD 12B WHEN WATER INFILTRATION REQUIREMENT IS NEEDED. SEE SHEET 20
2.1 DOOR CONFIGURATIONS 9 AND 9A ARE RATED FOR A MAXIMUM DESIGN PRESSURE UP TO ±75PSF WITH ZERO INT'L THRESHOLD OPTIONS AND UP TO ±100 PSF WITH NGP THRESHOLD OPTIONS WHEN WATER INFILTRATION REQUIREMENT IS NOT NEEDED. SEE SHEET 21
3. DLO - DAYLIGHT OPENING, SAME AS EXPOSED GLASS. SEE SHEETS 2, 12, 13 & 13A FOR GLAZING TYPES, DETAILS AND LIMITATIONS.



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(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

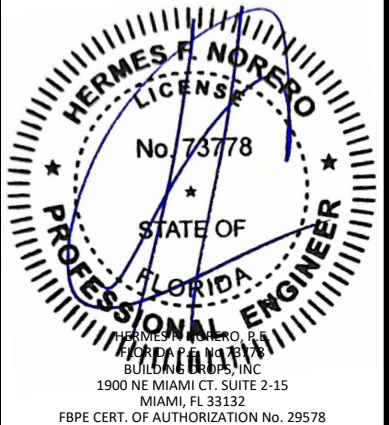
FAX: (954)744-4738

WEB: www.buildingdrops.com



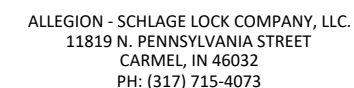
REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400	
DATE: 05.04.22	
DWG. BY: CPA	CHK. BY: HFN
SCALE: NTS	
DWG. #: IRGS07	
SHEET:	

2

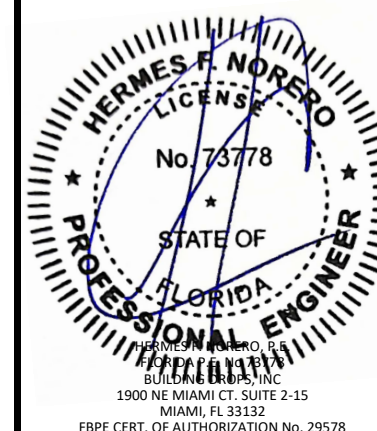


DOOR CONFIGURATIONS 1-4



REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA	CHK. BY: HFN
------------------------	------------------------

SCALE: NTS

DWG. #: IRGS07

SHEET:

3

OF 34

Technical drawing of a door assembly showing dimensions and labels:

- MAXIMUM UNIT WIDTH = 40"** (Overall width)
- MAXIMUM UNIT HEIGHT = 88"** (Overall height)
- 84" MAXIMUM DOOR OPENING HEIGHT** (Height of the opening)
- 36" MAXIMUM DOOR OPENING WIDTH** (Width of the opening)
- MAX. DLO WIDTH = 24"** (Maximum door leaf opening width)
- SEE NOTE 16, SHT. 1** (Reference to drawing note)
- MAX. DLO HEIGHT = 64"** (Maximum door leaf opening height)
- SEE NOTE 16, SHT. 1** (Reference to drawing note)
- Labels:**
 - $\frac{B-1}{8}$ (Horizontal dimension, top and bottom)
 - $\frac{A-1}{9}$ (Vertical dimension, left and right)

Technical drawing of a door assembly showing dimensions and labels:

- MAXIMUM UNIT WIDTH = 40"** (Overall width)
- MAXIMUM UNIT HEIGHT = 88"** (Overall height)
- 84" MAXIMUM DOOR OPENING HEIGHT** (Height of the opening)
- 36" MAXIMUM DOOR OPENING WIDTH** (Width of the opening)
- MAX. DLO WIDTH = 24"** (Maximum door leaf opening width)
- SEE NOTE 16, SHT. 1** (Reference to drawing note)
- MAX. DLO HEIGHT = 64"** (Maximum door leaf opening height)
- SEE NOTE 16, SHT. 1** (Reference to drawing note)
- Labels:**
 - $\frac{B-2}{8}$ (Horizontal dimension, top and bottom)
 - $\frac{A-2}{9}$ (Vertical dimension, left and right)

Technical drawing of a door assembly showing dimensions and labels:

- MAXIMUM UNIT WIDTH = 40"
- MAXIMUM UNIT HEIGHT = 88"
- 84" MAXIMUM DOOR OPENING HEIGHT
- MAX. DLO HEIGHT = 64" SEE NOTE 16, SHT. 1
- MAX. DLO WIDTH = 24" SEE NOTE 16, SHT. 1
- 36" MAXIMUM DOOR OPENING WIDTH
- Labels: $\frac{B-3}{8}$, $\frac{A-3}{9}$

MAXIMUM UNIT WIDTH = 40"

$\frac{B-4}{8}$

MAXIMUM UNIT HEIGHT = 88"

84" MAXIMUM DOOR OPENING HEIGHT

$\frac{A-4}{9}$

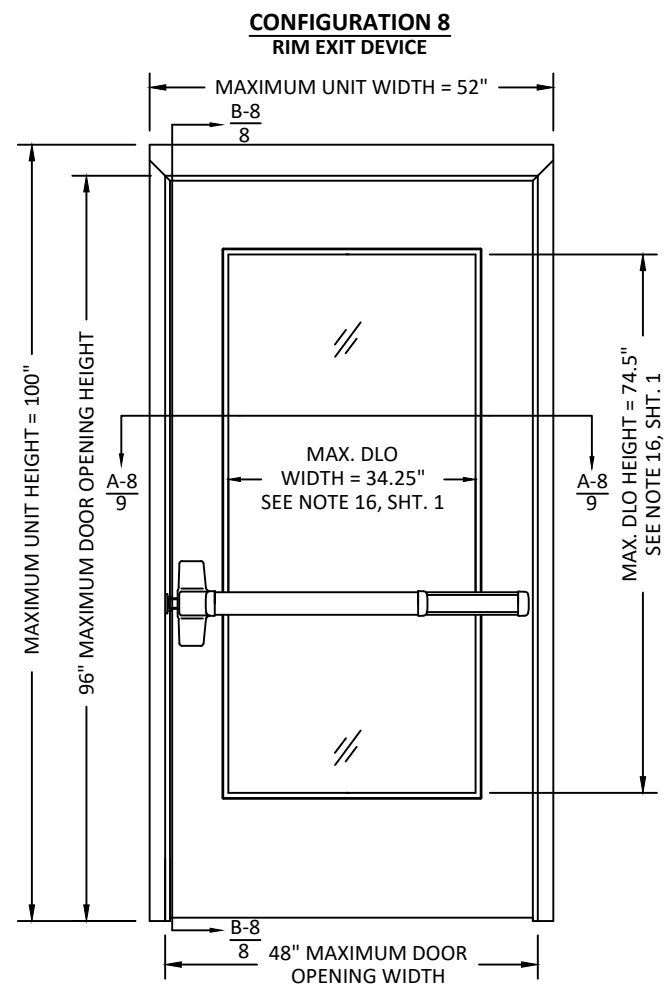
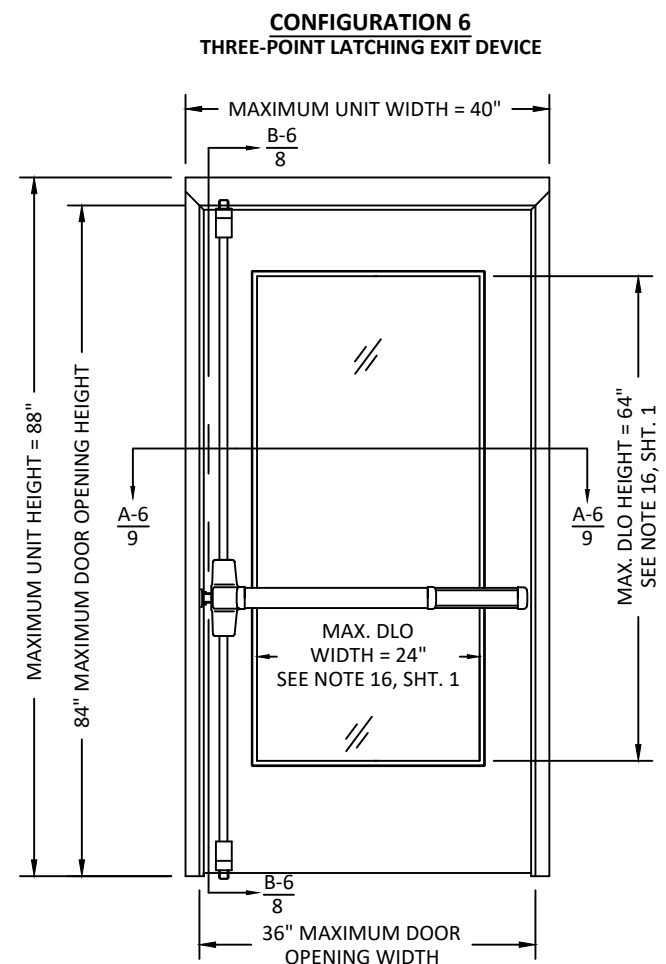
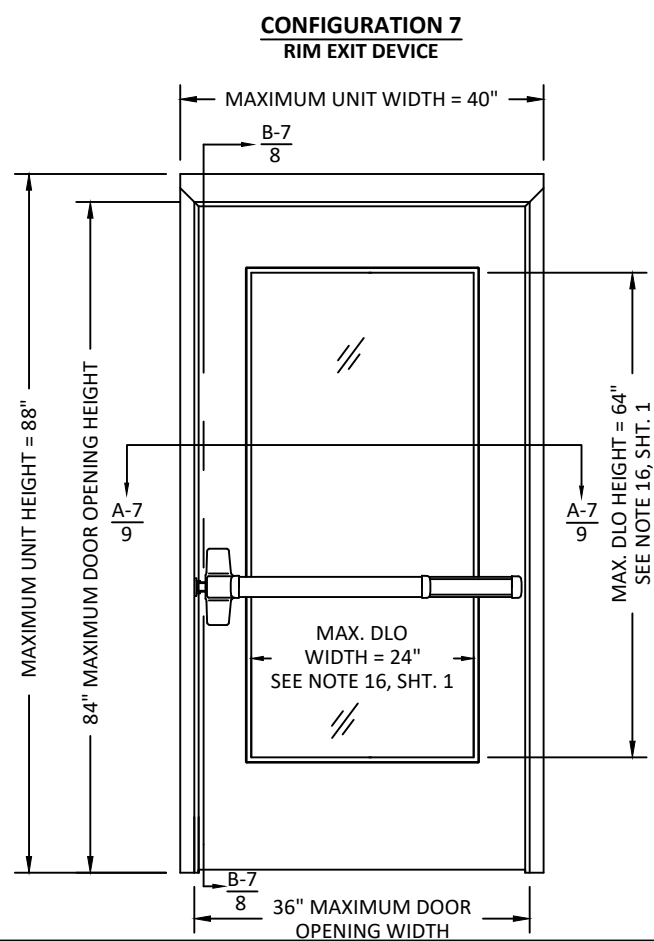
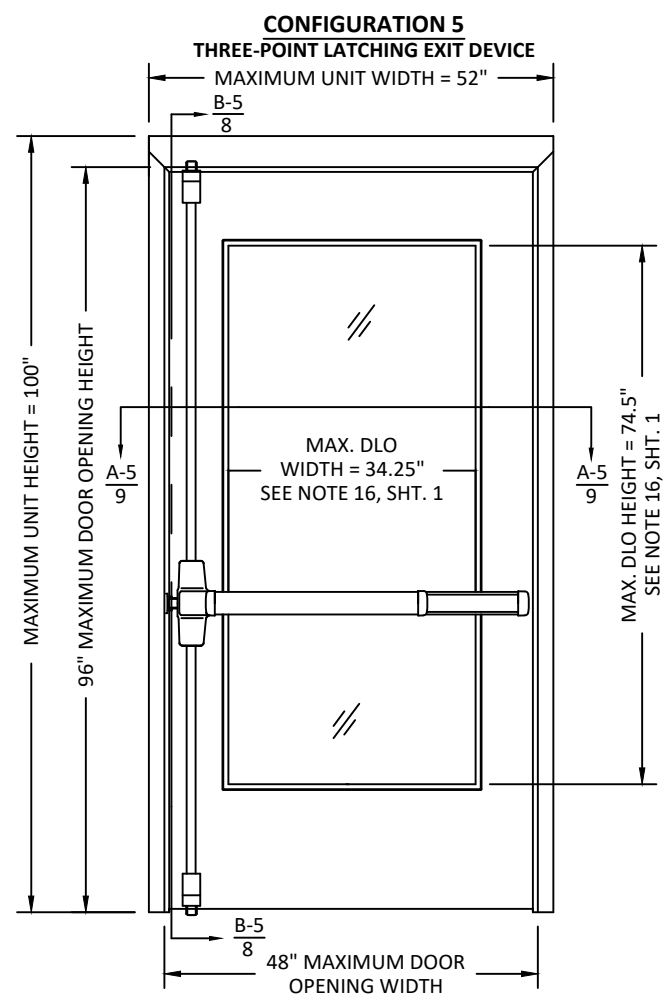
MAX. DLO WIDTH = 24"
SEE NOTE 16, SHT. 1

$\frac{A-4}{9}$

MAX. DLO HEIGHT = 64"
SEE NOTE 16, SHT. 1

$\frac{B-4}{8}$

36" MAXIMUM DOOR OPENING WIDTH



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

DOOR CONFIGURATIONS 5-8

PREPARED BY:

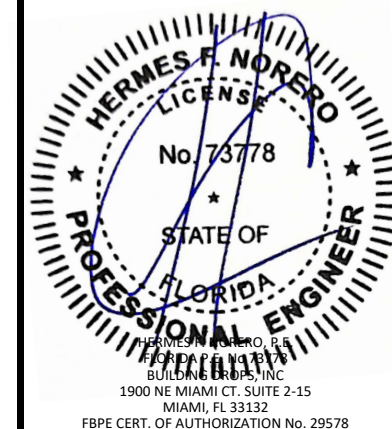
BUILDING DROPS, INC.

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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA

CHK. BY: HFN

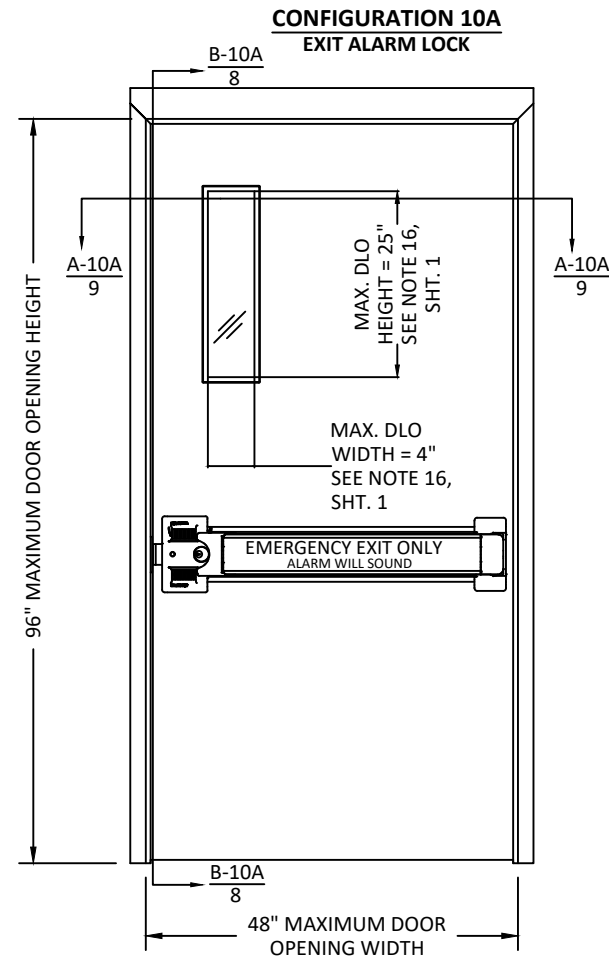
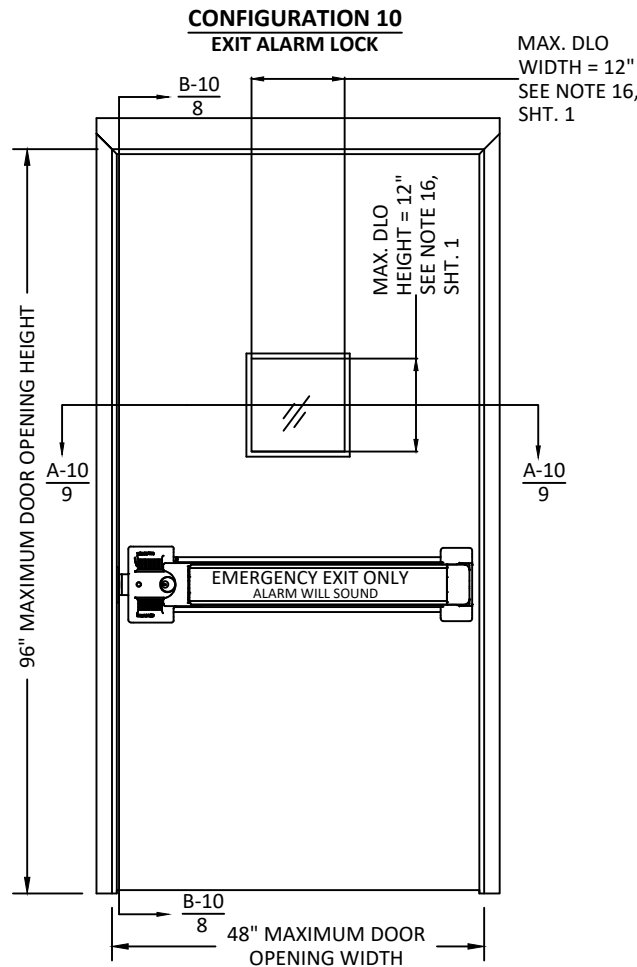
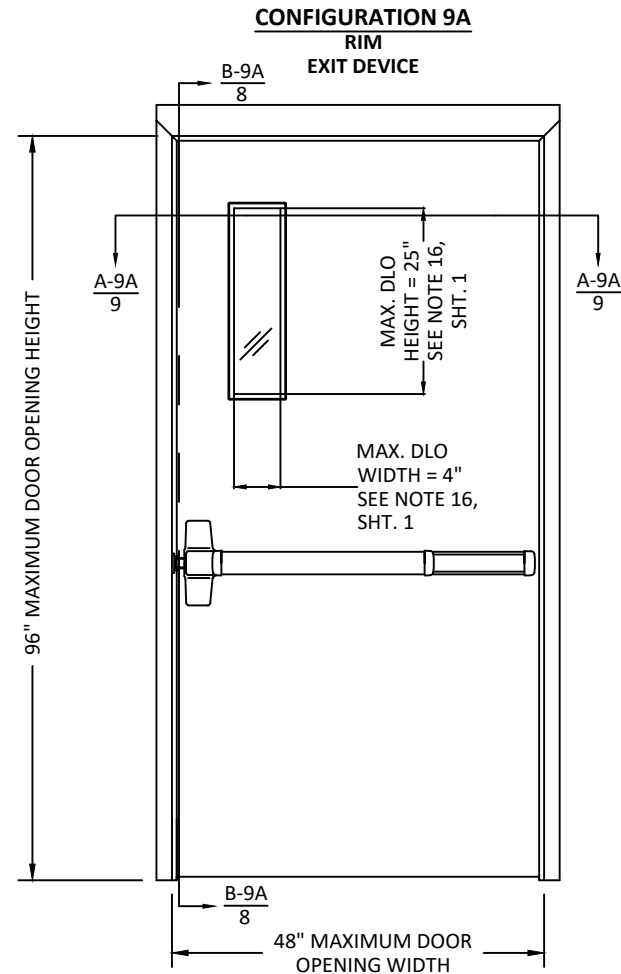
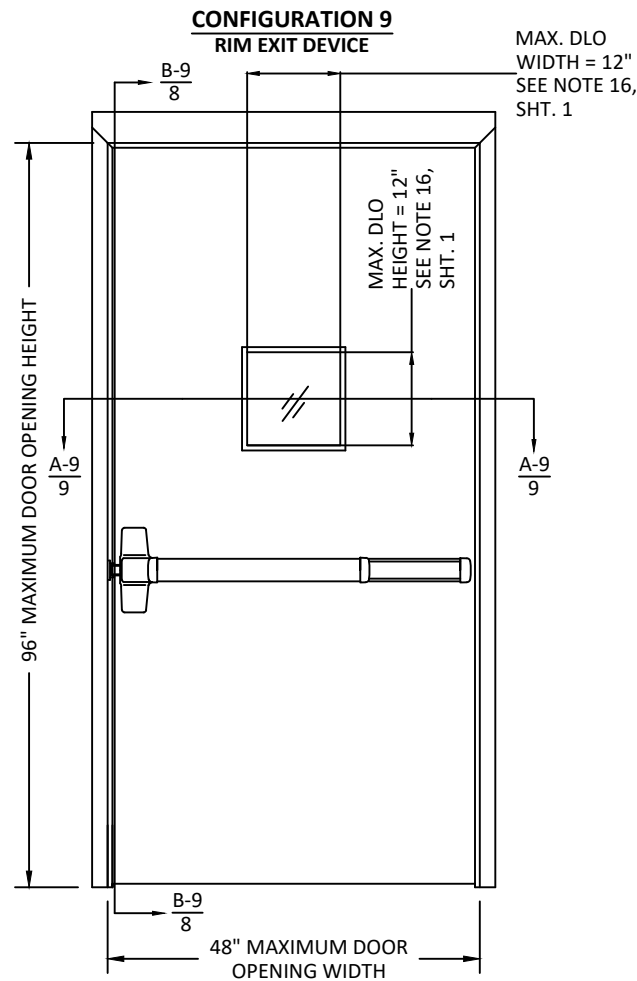
SCALE: NTS

DWG. #: IRGS07

SHEET:

4

OF 34



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

DOOR CONFIGURATIONS 9-10A

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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA

CHK. BY: HFN

SCALE: NTS

DWG. #: IRGS07

SHEET:

5

OF 34



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

DOOR CONFIGURATIONS 11-12

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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA
CHK. BY: HFN

SCALE: NTS

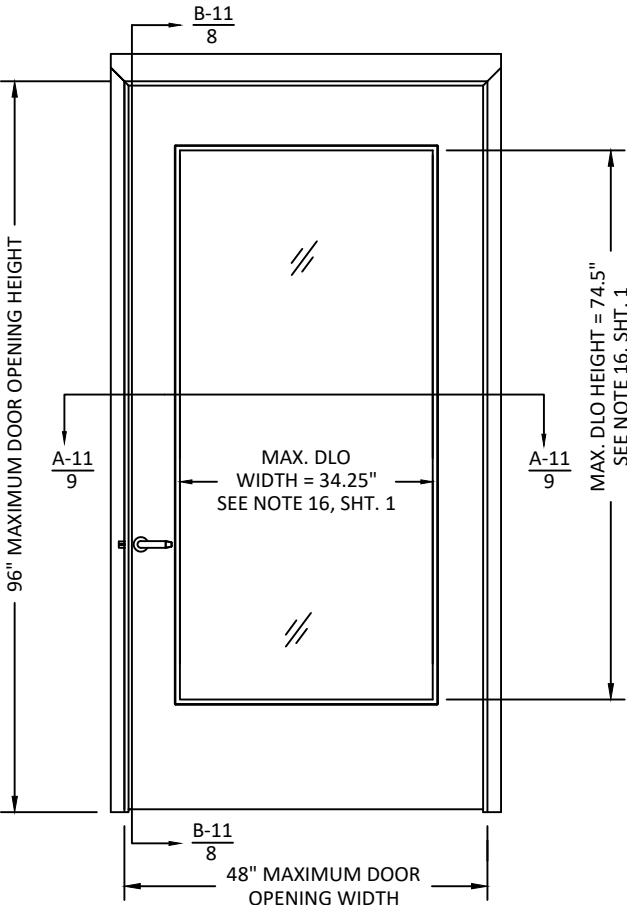
DWG. #: IRGS07

SHEET:

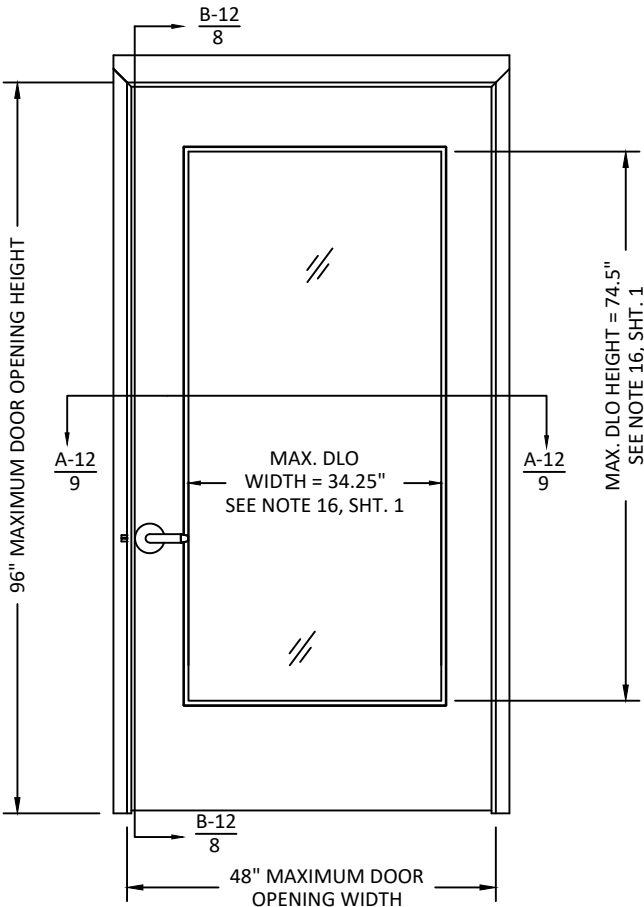
6

OF 34

CONFIGURATION 11
MORTISE LOCKSET
WITH OR WITHOUT DEADBOLT



CONFIGURATION 12
CYLINDRICAL LOCKSET
1/2" MIN. THROW LATCH



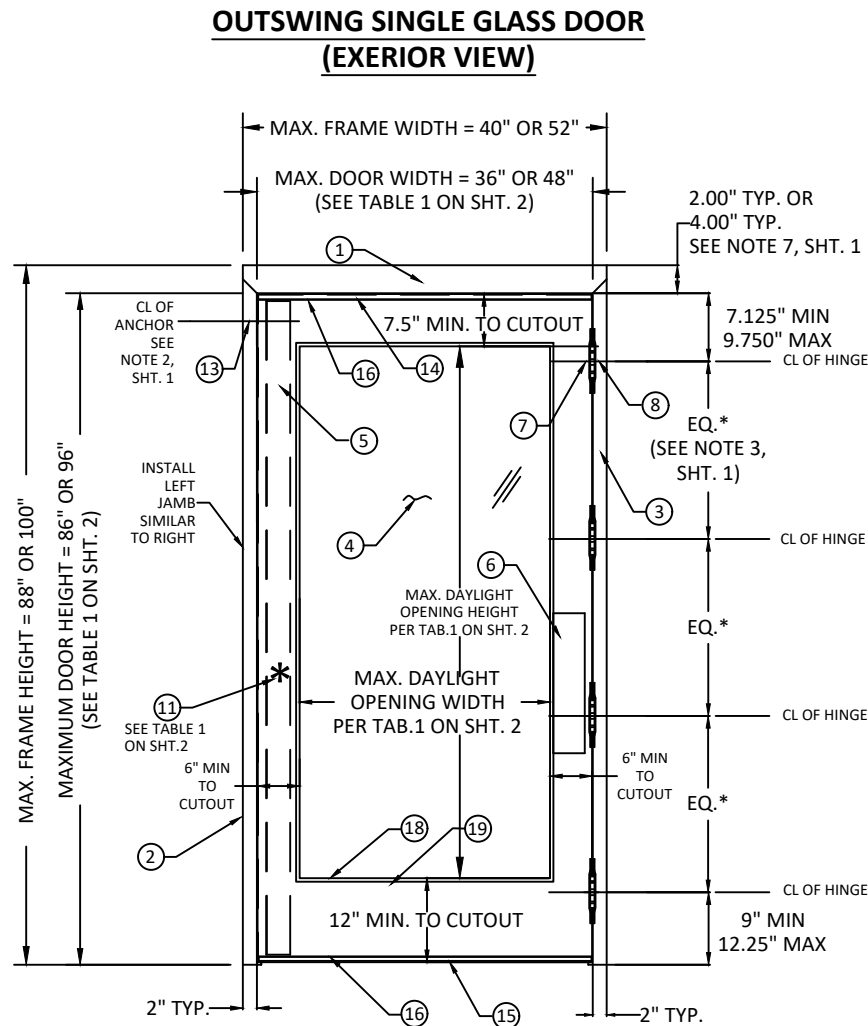


TABLE 2: (FOR OPTION 2 SEE TABLE 9 SHEET 26)

ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE	
1	1	HEAD, SEE SHT. 11	.053" MIN. STL	MAX. 52"	SEE ELEVATION ON SHTS. 3-6
2	1	STRIKE JAMB SEE SHT. 11	.053" MIN. STL	MAX. 100" HEIGHT	
3	1	HINGE JAMB, SEE SHT. 11	.053" MIN. STL	MAX. 100" HEIGHT	
4	VARIES	LEXAN BY SABIC INNOVATIVE PLASTICS	.25" OR .50"	35.406" X 75.656" MAX.	
		LAMINATED GLASS WITH KURARAY SENTRYGLAS INTERLAYER	.562" TYP.		
		SUPERLITE II-XL BY SAFTI W/ KURARAY SENTRYGLAS INTERLAYER	1.06" OR 1.438" TYP.		
		5/16" HS LAMINATED GLASS WITH SAFLEX CP BY EASTMAN INTERLAYER	.3125" TYP.		
5	1	LOCK SIDE REINFORCEMENT CHANNEL	.093" MIN. STL	3.5" X 93.44" MAX.	
6	AS REQUIRED	HINGE SIDE PANIC REINFORCEMENT	.067" MIN. STL	MAX. 20"	
7	NOTE 3, SHT. 1	HINGE REINFORCEMENT DOOR	.167" MIN. STL	1.23" X 9.19" MIN.	
8	NOTE 3, SHT. 1	HINGE REINFORCEMENT FRAME	.167" MIN. STL	1.5" X 9.19" MIN.	
9	NOTE 3, SHT. 1	4.5" MIN. BUTT HINGES (SEE SHT. 22)	.134 MIN.	(8) #12-24 MS PER HINGE	
		OPTIONAL CONTINUOUS HINGE (SEE SHEET 22)	.075" MIN.STL / .110 ALUM.	MAX. 95"	
10	1	CORE MATERIAL(SEE SHT. 10):			
		D) HONEYCOMB C) STEEL STIFFENED			
		A&F) POLYSTYRENE B&F) POLYURETHANE/POLYISOCYANURATE			
		E) MINERAL BOARD TEMPERATURE RISE CORE			
11	1	LOCKING HARDWARE - SEE TABLE 1, SHT. 2 AND SHTS. 23-25			
12	1	THRESHOLD SILL W/BUMPER GASKET			
		12A) 566 ZERO WATER RATED, SHT. 20, NON WATER SHT. 21	.125" ALUM. 6063 T5	5.0" X 0.5" X 48" MAX	
		12B) 950A NGP WATER RATED SHT. 20, NON WATER SHT. 21	.078" ALUM. 6063 T5		
		12C) 65 ZERO NON WATER RATED SEE SHT. 21	0.125" ALUM. 6063 T5	6.0" X 0.5" X 48" MAX.	
12D) 568 ZERO NON WATER RATED SEE SHT. 21	0.125" ALUM. 6063 T5				
13	NOTE 2, SHT. 1	JAMB ANCHOR	SEE SHTS. 14-18	-	
14	SEE SHT. 21	14A) PS074 DOOR SEAL	TPE	MAX 20"	
		14B) 188S, 14C) 117S, 14D)8144S, 14E)8150S, DOOR SEAL ZERO	SILICONE		
15	1	FAS-SEAL DOOR SWEEP SEE SHTS. 20 & 21	TPE	MAX. 48"	
16	2	END CHANNEL (14 GAGE - INVERTED)	.067" MIN. STL	.69" X 1.66" X 48" MAX.	
17	AS NEEDED	CAULK - BUTYL RUBBER OR SILICONE	SEE SHTS. 20 & 21	-	
18	AS NEEDED	GLAZING HOLDING TRIM SEE SHT. 13 & 13A		0.032" MIN. STL.	34.25" X 74.5" EXPOSED GLASS MAX
		A) DEZIGNER TRIM			
		B) STEEL OVERLAPPING TRIM			
		F) STEEL OVERLAPPING TRIM			
		E) HIGH SECURITY VISION FRAME	SG-10 BY ANEMOSTAT	.093" (12GA) MIN. STL.	
			VLF-S10 BY AIR LOUVERS	.123" (10GA) MIN. STL.	
		D) VLF-EZHRC		.032" MIN. STL.	
C) VLF IGHRC					
19	NOTE 17, SHT. 1	CUTOUT REINFORCEMENT CHANNEL (18GA)		.047" MIN. STL	0.5" MIN. X 1.66" X 35.5" & 75.5" MAX.
20	1	DOOR SLAB (16 OR 14 GA)		SEE SHT. 10	4' BY 8' MAX
21	1	21A) 8150S DOOR SEAL BY ZERO INT'L		SILICONE SEE SHT. 20	MAX 20'
		21B) 188S DOOR SEAL BY ZERO INT'L		TPE SEE SHT. 20	
22	2	202N DOOR SWEEP BY NGP		TPE SEE SHT. 20	MAX 84" OR 96"
23	1	23A) 139 DOOR SWEEP BY ZERO INT'L		SEE SHT. 20	MAX. 36" OR 48"
		23B) 328 DOOR SWEEP BY ZERO INT'L			
		23C) 200N DOOR SWEEP BY NGP			
24	3	24A) 475 ADJUSTABLE SEAL BY ZERO INT'L		TPE SEE SHT. 20	MAX 84" OR 52" FOR JAMB MAX 36" OR 48" FOR HEAD
	1	24B) 170N ADJUSTABLE SEAL BY NGP			
25	1	25A) 142 RAIN DRIP BY ZERO INT'L		SEE SHT. 20	MAX 40" OR 52" FOR HEAD MAX 36" OR 48" FOR DOOR
		25B) 11 RAIN DRIP BY ZERO INT'L			
		25C) 16A RAIN DRIP BY NGP			
26	1	26A) TOP CAP GALV. A60		.020" MIN. STL	MAX 48"
		26B) 18 GA DOOR FLUSH TOP CAP		.047" MIN. STL	



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

STEELCRAFT: OPENING DIMENSIONS
& BOM

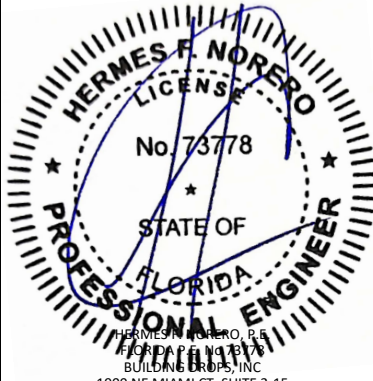
PREPARED BY:

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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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

FL12400

DATE: 05.04.22

DWG. BY: CPA

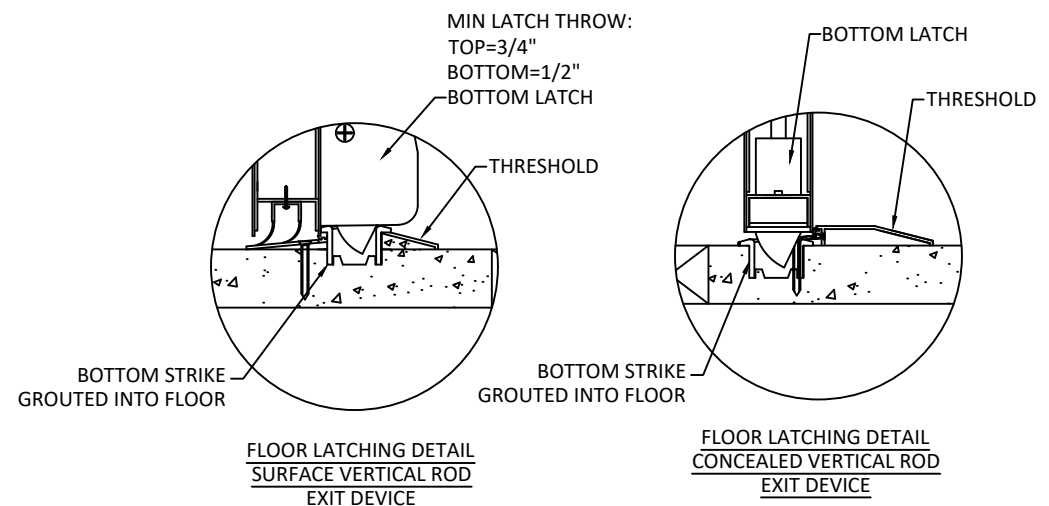
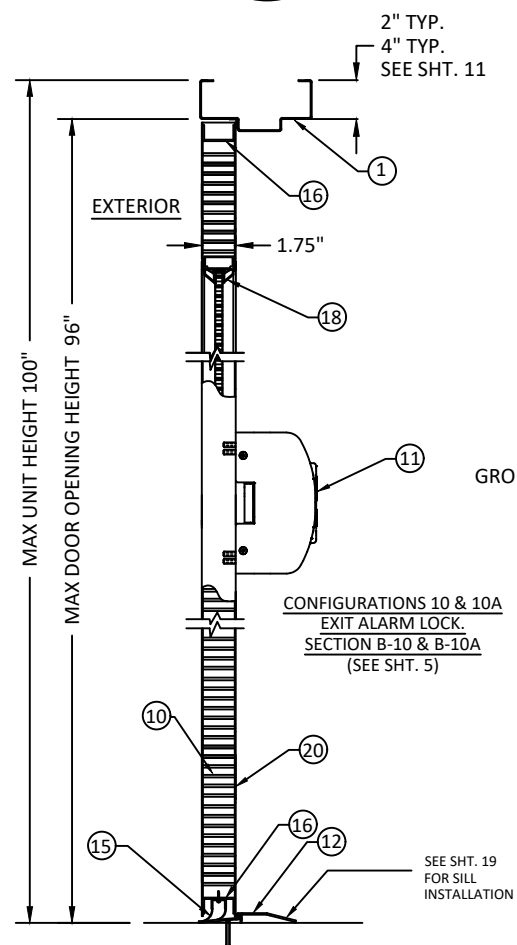
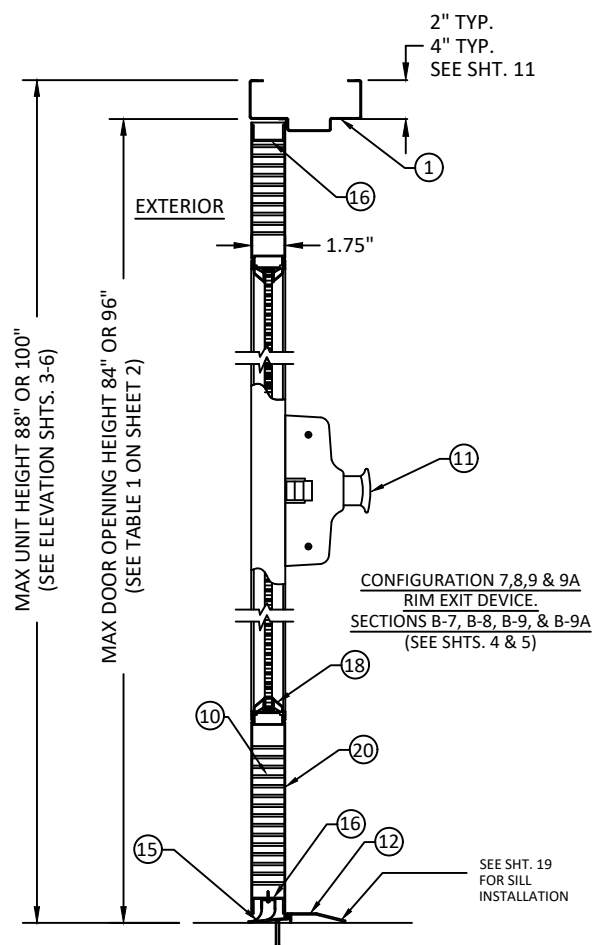
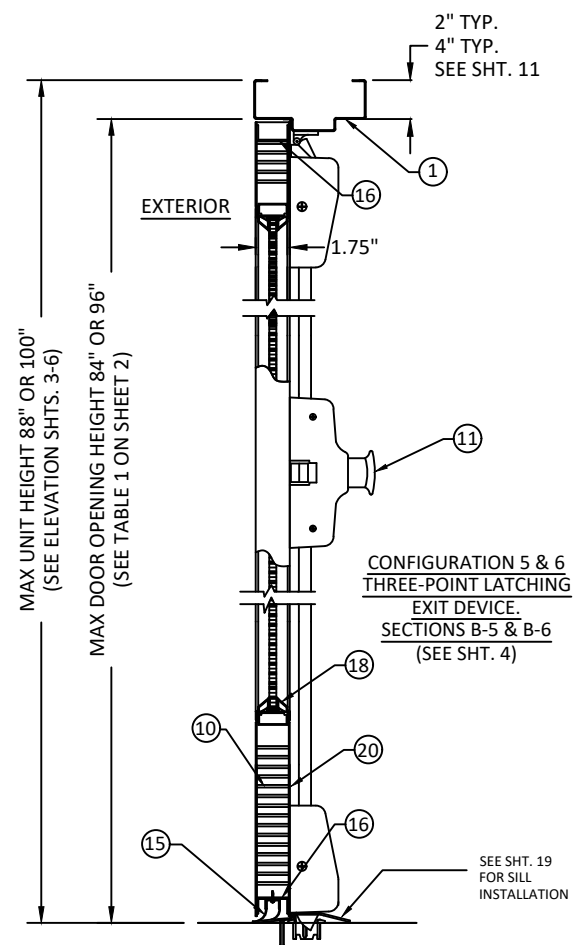
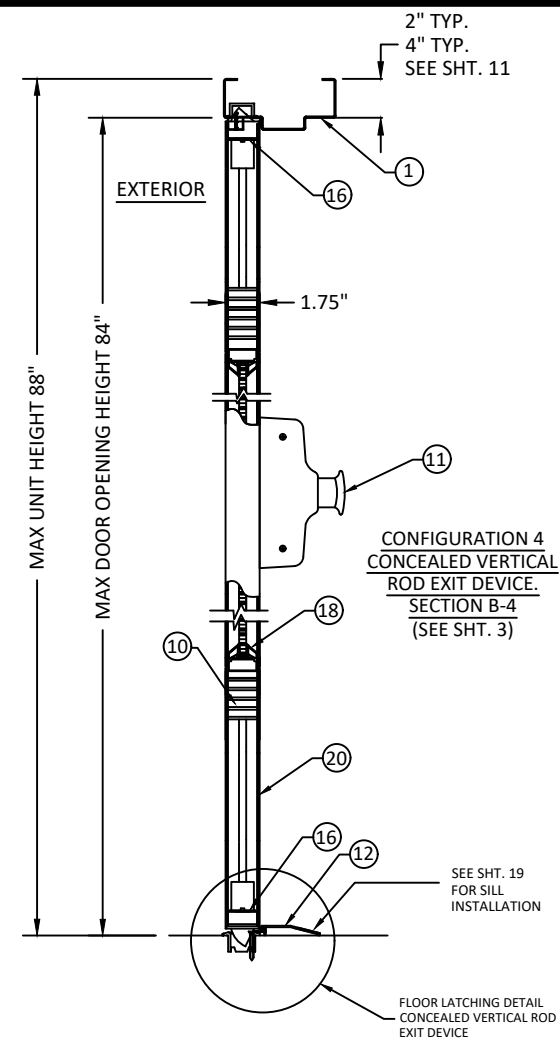
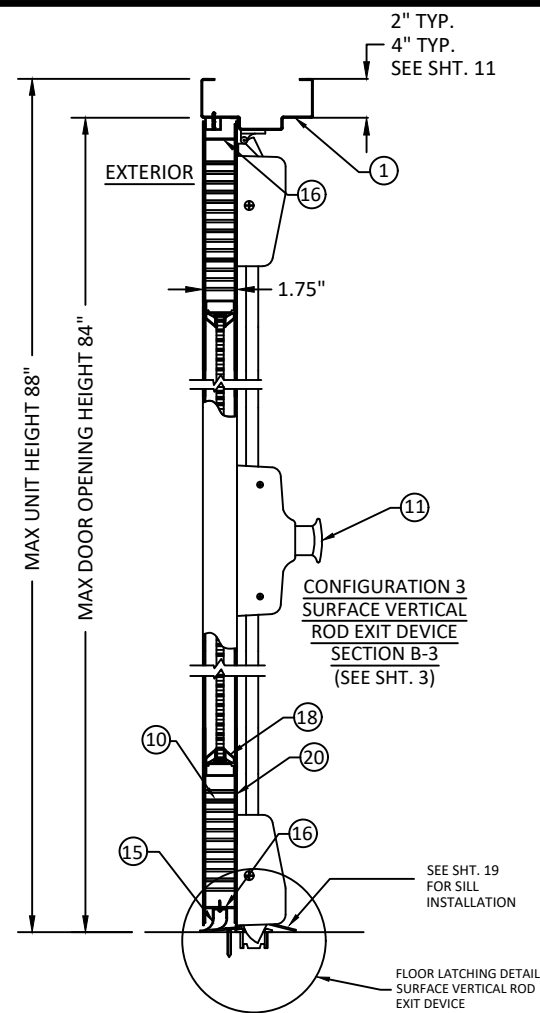
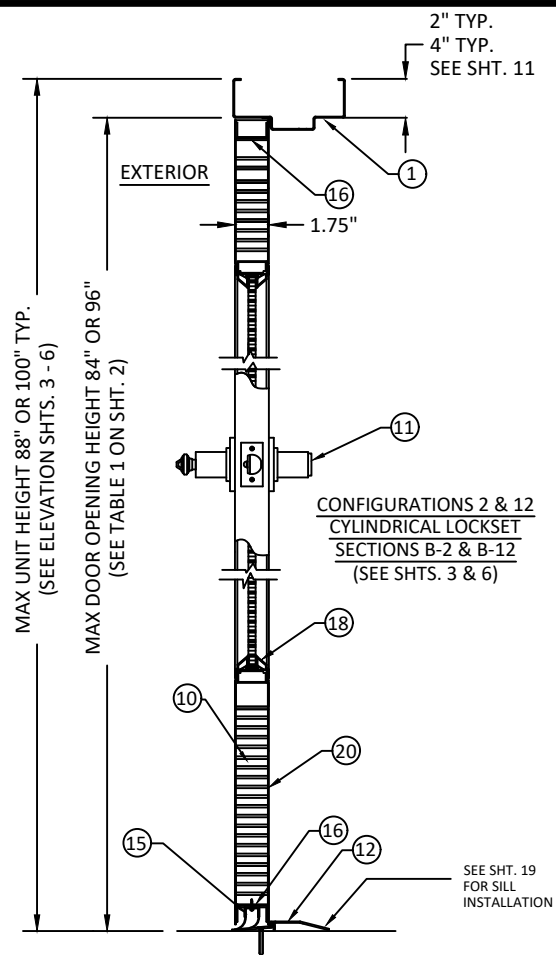
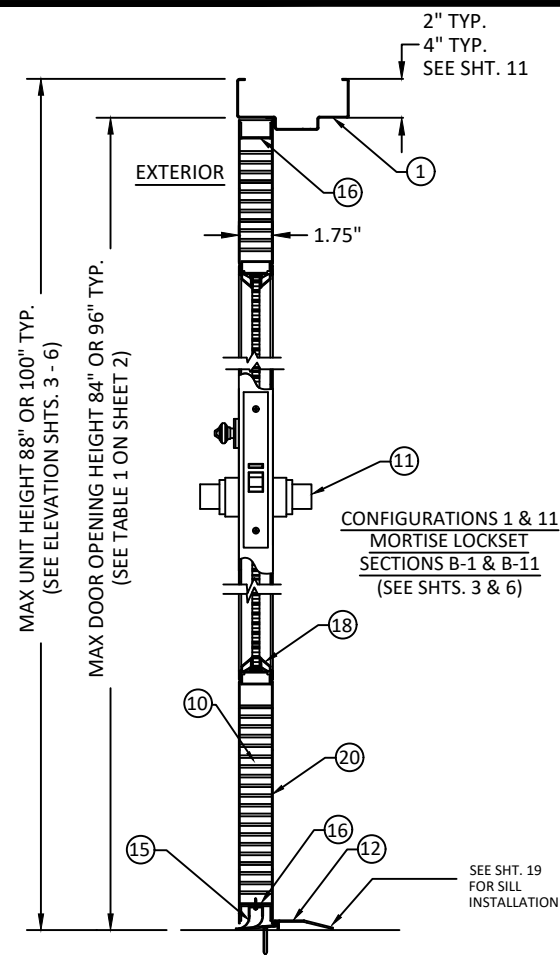
CHK. BY: HFN

SCALE: NTS

DWG. #: IRGS07

SHEET: 7

OF 34



NOTES:
1. FOR MAXIMUM DOOR OPENING SIZE AND GLASS (DLO) SIZE,
SEE TABLE 1 ON SHEET 2 AND SHEETS 12, 13 & 13A FOR
LIMITATIONS.
2. SEE SHEETS 14-19 AND 29-34 FOR ANCHORS INSTALLATION
AND SILL INSTALLATION DETAILS.



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

DOOR & FRAME VERTICAL SECTION VIEWS

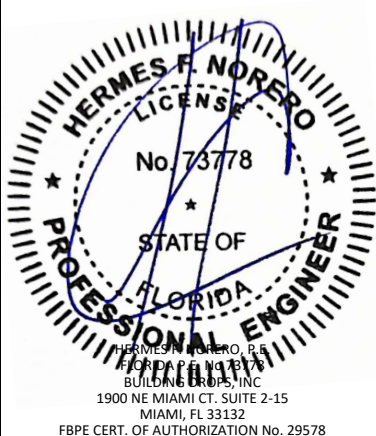
PREPARED BY: BUILDING DROPS, INC.

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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA
CHK. BY: HFN

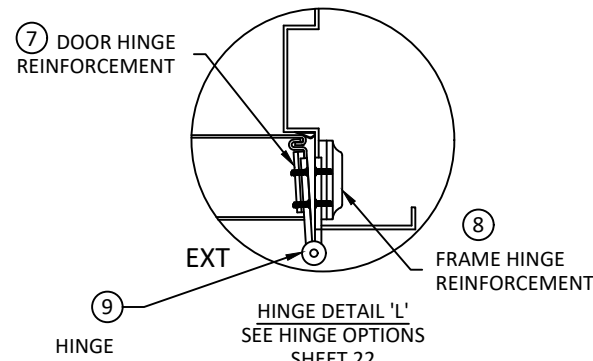
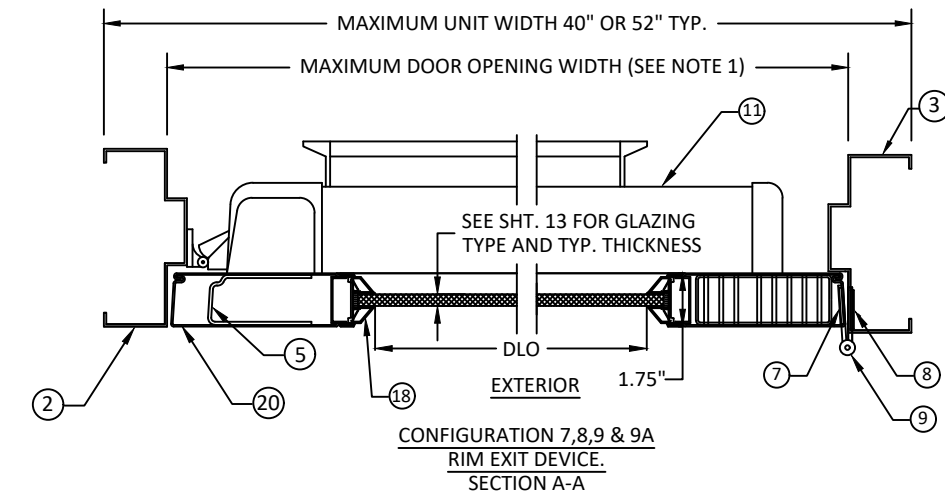
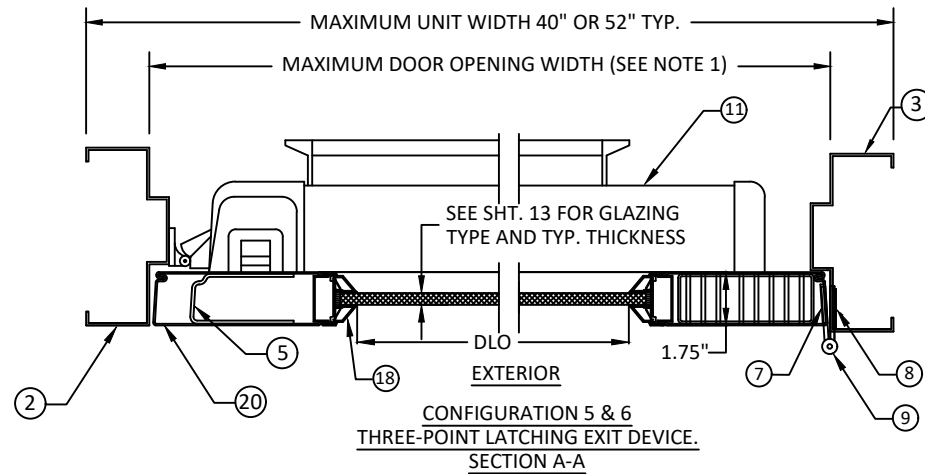
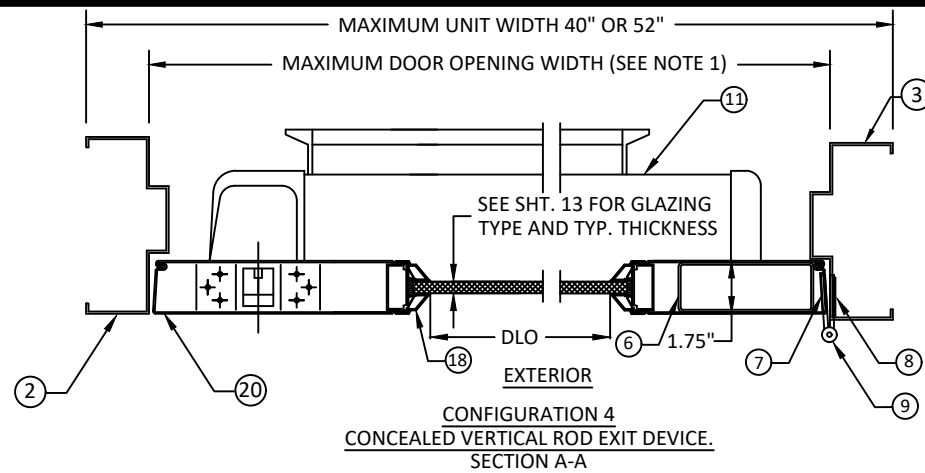
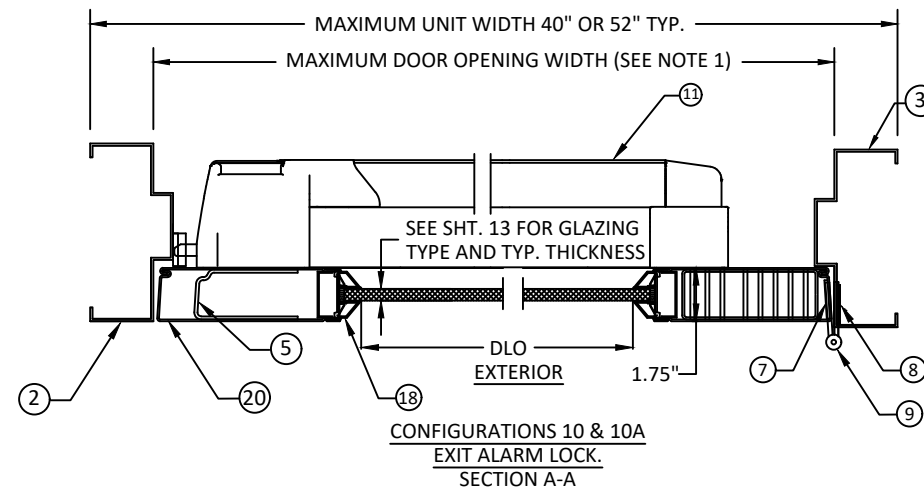
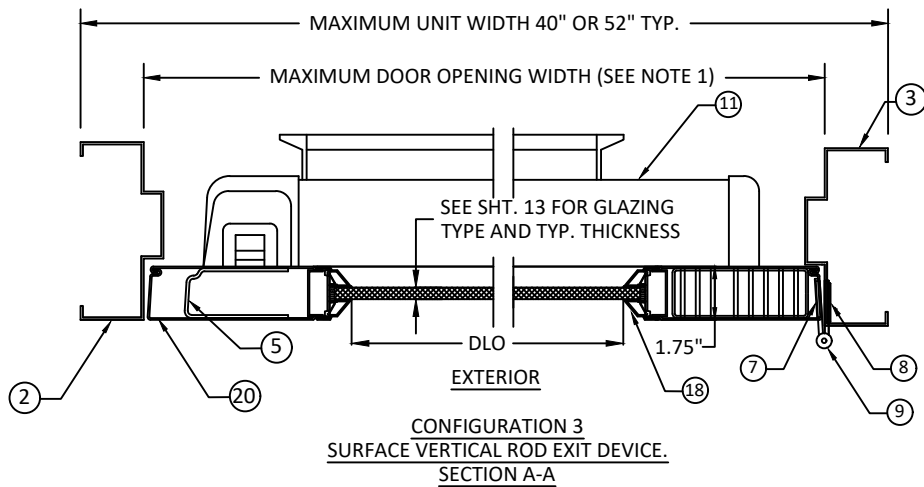
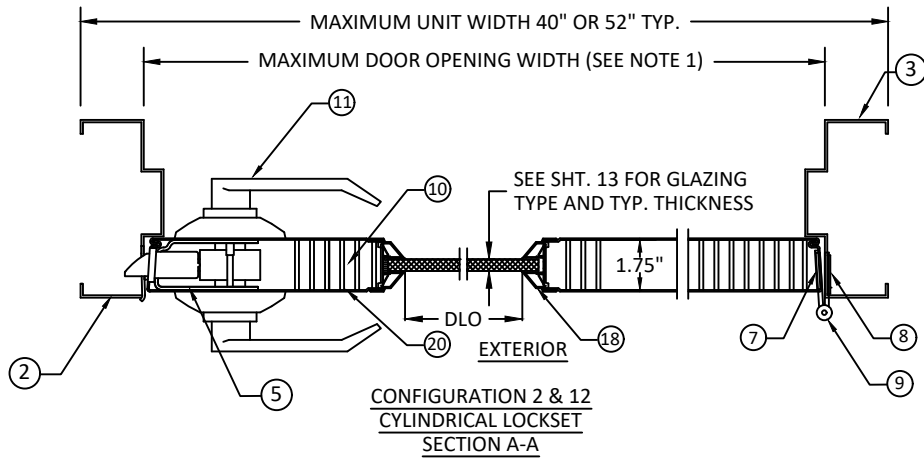
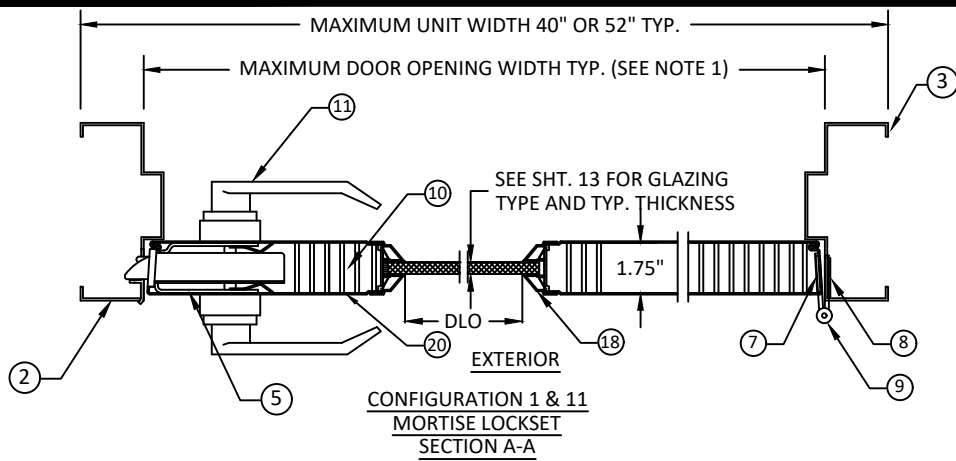
SCALE: NTS

DWG. #: IRGS07

SHEET:

8

OF 34



NOTES:
 1. FOR MAXIMUM DOOR OPENING AND GLASS (DLO) SIZE, SEE TABLE 1 ON SHEET 2 AND SHEETS 12, 13 & 13A FOR LIMITATIONS.
 2. SEE SHEETS 14-19 AND 29-34 FOR ANCHOR INSTALLATION AND SILL INSTALLATION DETAILS



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

TITLE: OUTSWING SINGLE GLAZED
 COMMERCIAL STEEL DOORS
 (HVHZ)(IMPACT)

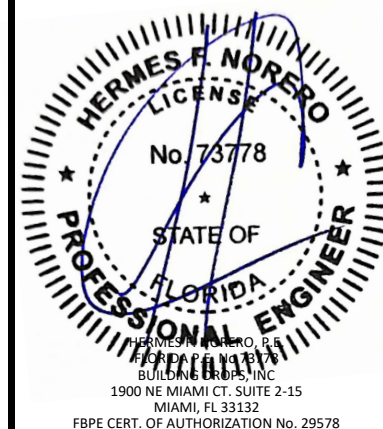
DOOR & FRAME HORIZONTAL
 SECTION VIEWS

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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA
 CHK. BY: HFN

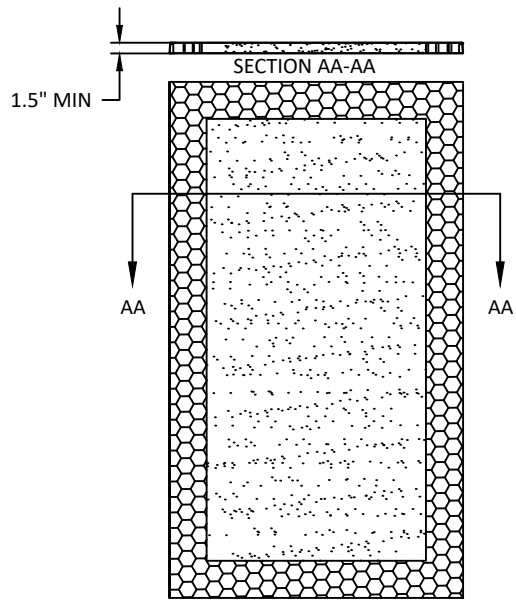
SCALE: NTS

DWG. #: IRGS07

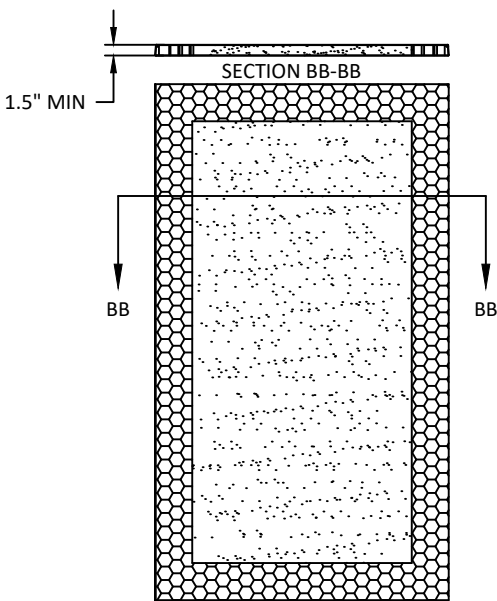
SHEET:

9

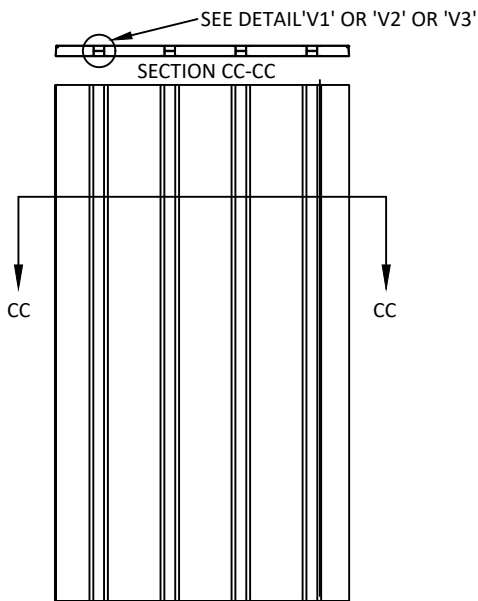
OF 34



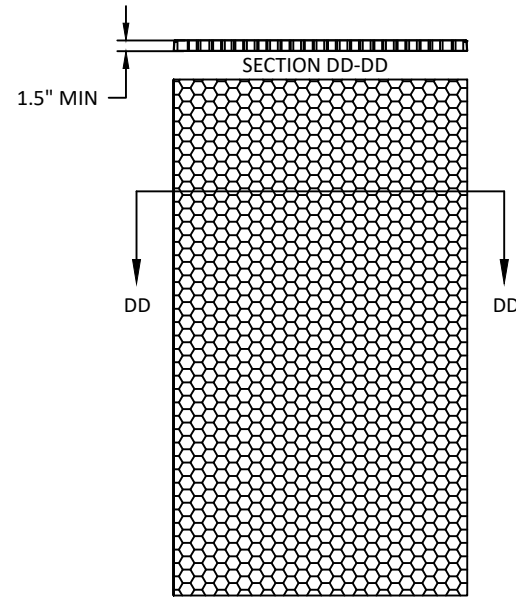
(A) EXPANDED POLYSTYRENE FOAM
DENSITY: 1.0 LBS/FT³



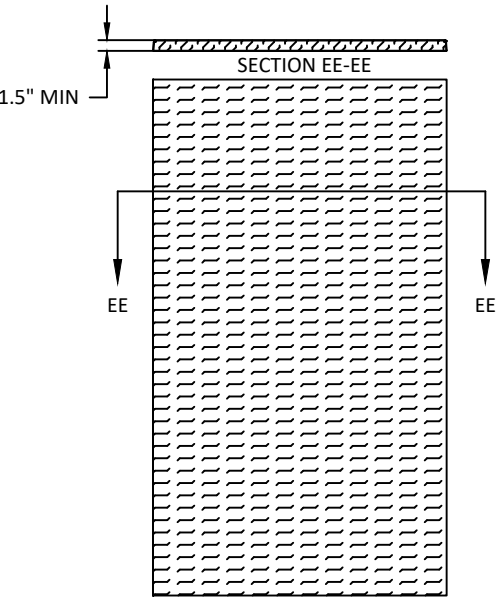
(B) POLYISOCYANURATE
(POLYURETHANE)
DENSITY: 2 LBS/FT³



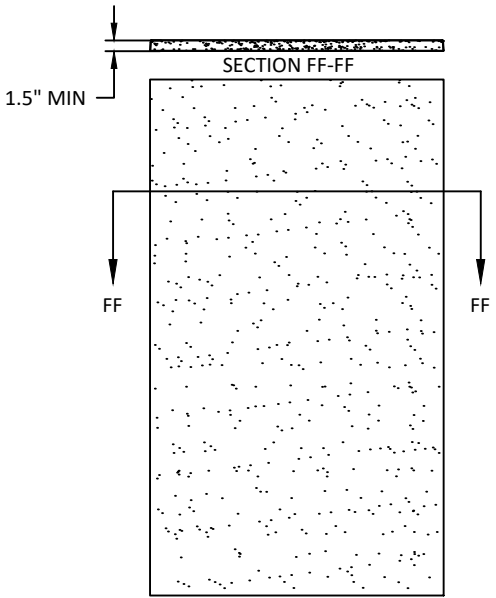
(C) STEEL STIFFENED
HAT SHAPED SECTIONS



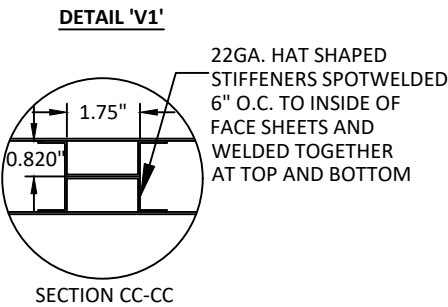
(D) HONEYCOMB
KRAFT PAPER.



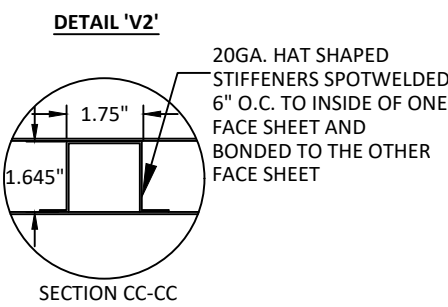
(E) TEMPERATURE RISE CORE
MINERAL FIBER BOARD
DENSITY: 17±1.5 LBS/FT³
OR
PSL-P250C-60
OR
CALCIUM SILICATE MINERAL CORE



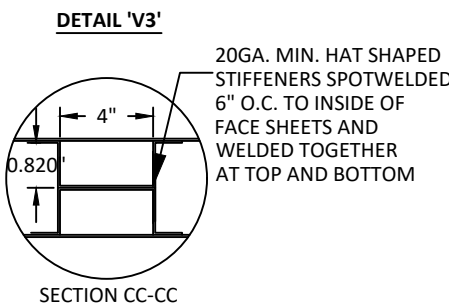
(F) EXPANDED POLYSTYRENE FOAM
DENSITY: 1.0 LB/FT³ OR
POLYISOCYANURATE (POLYURETHANE)
DENSITY: 2 LBS/FT³



SECTION CC-CC



SECTION CC-CC



SECTION CC-CC

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 SHT 2 TABLE 1		CRS GALV	16/.053" 14/.067"

- NOTE:
- CORE MATERIAL SHOWN WITHOUT HARDWARE REINFORCEMENTS
 - STIFFENER QUANTITY VARIES PER DOOR WIDTH



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

DOOR PANEL & CORE DETAILS

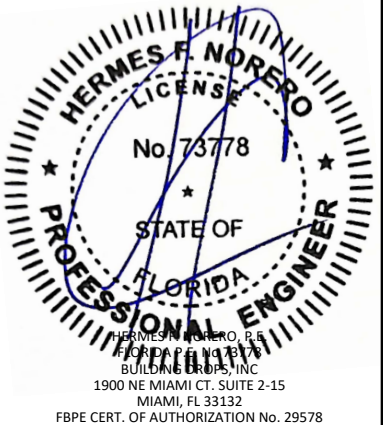
PREPARED BY: BUILDING DROPS, INC.

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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA

CHK. BY: HFN

SCALE: NTS

DWG. #: IRGS07

SHEET:

10

OF 34

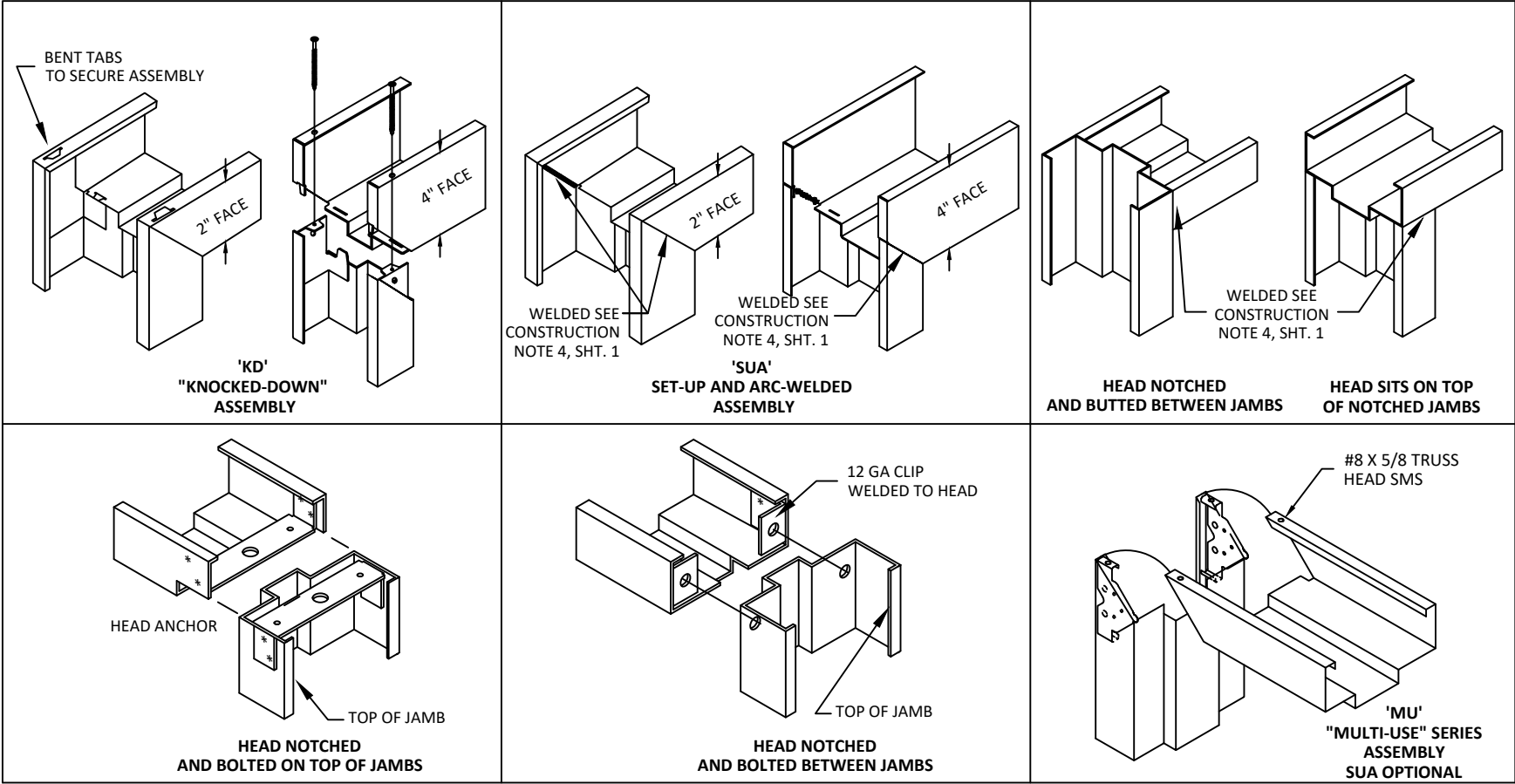
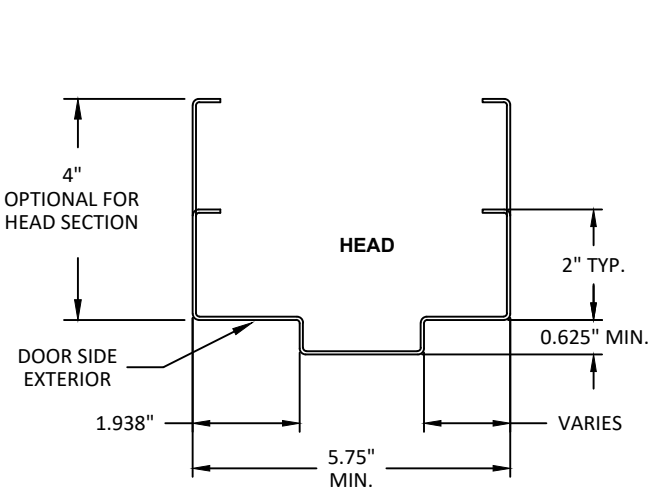


TABLE 4: AVAILABLE STEELCRAFT FRAME CONFIGURATIONS

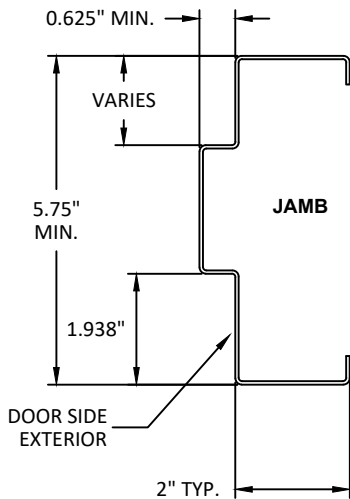
FRAME SERIES	JAMB DEPTH	MAXIMUM OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
F	5.75" MIN.	VARIES SEE SHT 2 TABLE 1		CRS/HRS GALV	16/.053" 14/.067" 12/.099"
MU	5.75" MIN.	VARIES SEE SHT 2 TABLE 1		CRS/HRS GALV	16/.053" 14/.067"

TABLE 5: STEEL MECHANICAL PROPERTIES

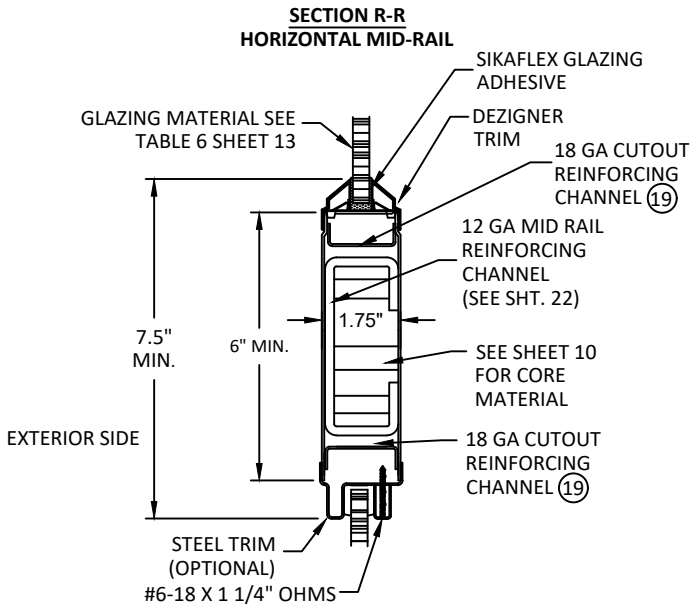
MATERIAL	ASTM REF.	YIELD KSI	TENSILE KSI
CRS	A1008	MIN. 41.5	MIN. 52.4
HRS	A1011		
GALV.	A924/A653		



TYPICAL FRAME PROFILE
DOUBLE RABBET



TYPICAL FRAME PROFILE
DOUBLE RABBET



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

STEELCRAFT: FRAME DETAILS &
CORNER CONSTRUCTION

PREPARED BY: BUILDING DROPS, INC.

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



REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA

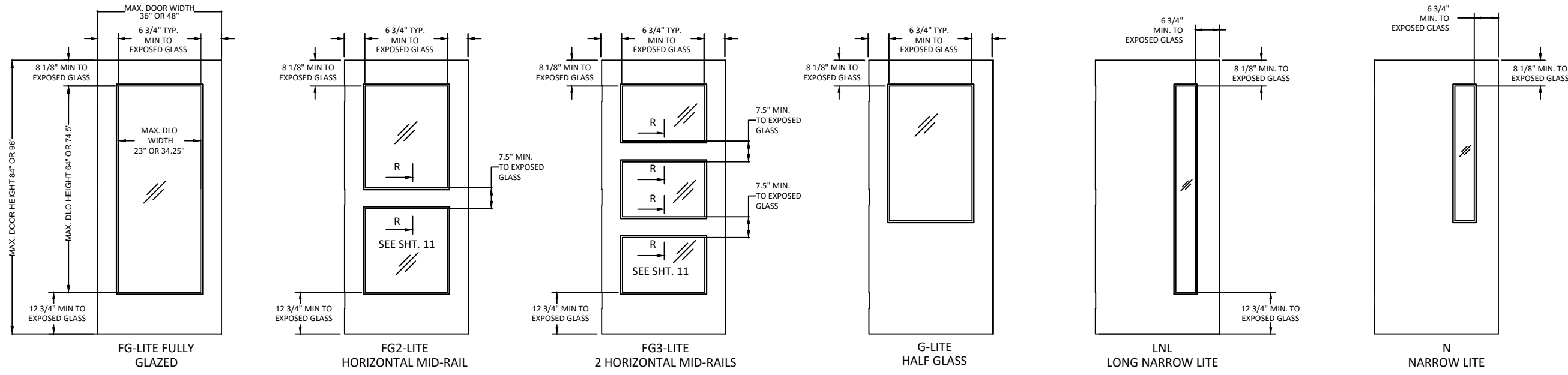
CHK. BY: HFN

SCALE: NTS

DWG. #: IRGS07

SHEET:

11



FG-LITE FULLY GLAZED

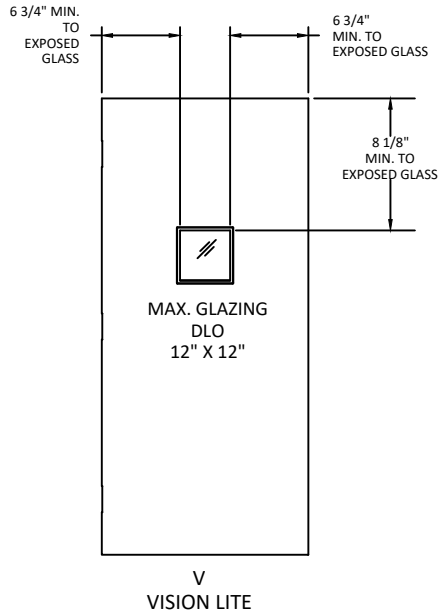
FG2-LITE HORIZONTAL MID-RAIL

FG3-LITE 2 HORIZONTAL MID-RAILS

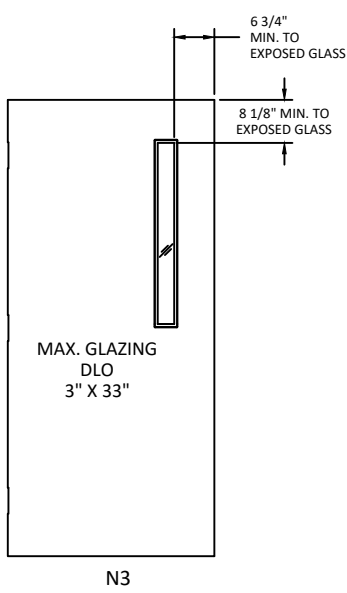
G-LITE HALF GLASS

LNL LONG NARROW LITE

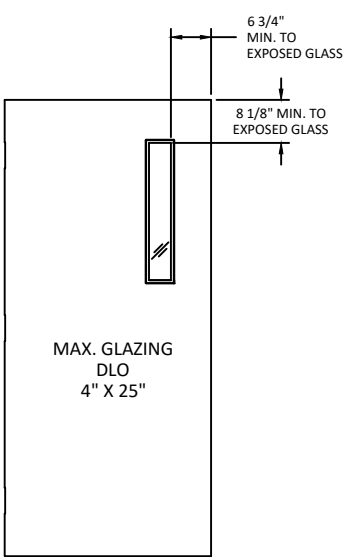
N NARROW LITE



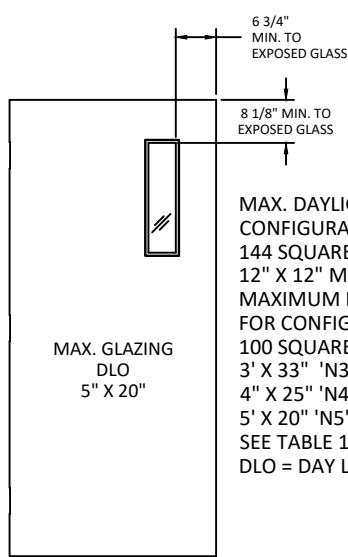
V VISION LITE



N3

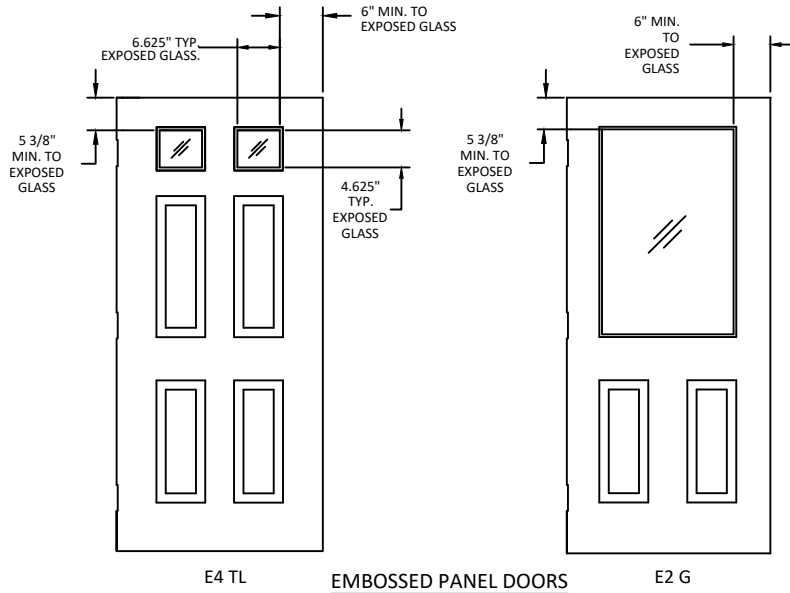


N4



N5

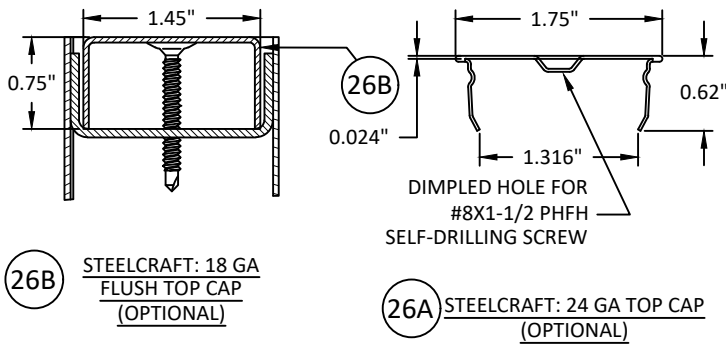
MAX. DAYLIGHT OPENING FOR CONFIGURATION 3A IS 144 SQUARE INCHES 12" X 12" MAX. 'V' VISION LITE MAXIMUM DAYLIGHT OPENING FOR CONFIGURATION 3B IS 100 SQUARE INCHES DLO 3' X 33" 'N3' 4" X 25" 'N4' 5' X 20" 'N5' SEE TABLE 1 SHEET 2 DLO = DAY LIGHT OPENING



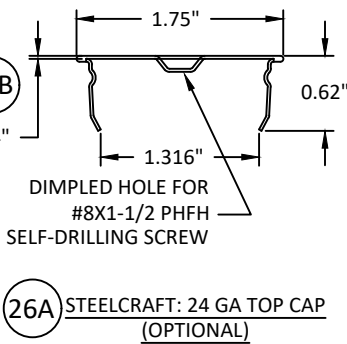
E4 TL

EMBOSSED PANEL DOORS

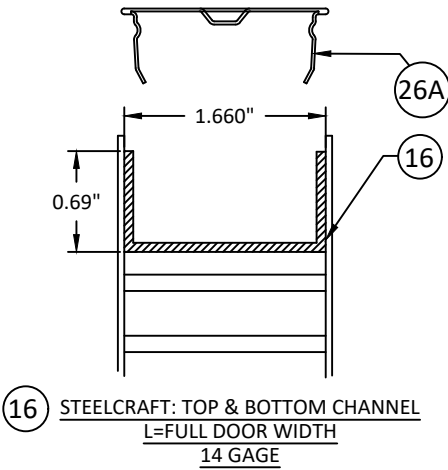
E2 G



26B STEELCRAFT: 18 GA FLUSH TOP CAP (OPTIONAL)



26A STEELCRAFT: 24 GA TOP CAP (OPTIONAL)



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

- NOTES:
1. DOOR CONSTRUCTION
 2. NOMINAL DOOR THICKNESS - 1 3/4"
 3. ALL GLASS LITE TYPES SHOWN ON THIS SHEET ARE AVAILABLE FOR ALL DOOR CONFIGURATIONS SHOWN ON SHEETS 3-6 AND TABLE 1 SHEET 2 EXCEPT FOR CONFIGURATIONS 9, 9A, 10, & 10A. SEE NOTE 4
 4. DOOR CONFIGURATION 9 & 10 AVAILABLE WITH 'V' VISION LITE AND 9A & 10A IS AVAILABLE WITH N3, N4 AND N5 TYPE LITE. (SEE TABLE 1 SHEET 2)
 5. MAXIMUM GLAZING DLO HEIGHT AND WIDTH AS PER SHEETS 3-6 AND 13.
 6. GLAZING OPENING DLO SIZE WILL CHANGE IN PROPORTION WITH DOOR SIZE.(SEE TABLE 1 SHEET 2 FOR LIMITATIONS)
 7. DOOR SIZE MAY VARY, SUBJECTED TO COMPLIANCE WITH FLORIDA BUILDING CODE AND PRODUCT AVAILABILITY FROM MANUFACTURER.
 8. GLASS LITES NOT LIMITED TO THOSE SHOWN, PROVIDED DIMENSIONS SHOWN ARE MAINTAINED. SEE TABLE 1 SHEET 2)
 9. DOORS WITH MULTIPLE GLASS LITES ARE NOT LIMITED TO THE DESIGNS SHOWN, PROVIDED THE DIMENSIONS SHOWN ARE MAINTAINED.(SEE TABLE 1 SHEET 2 FOR LIMITATIONS)
 10. WHEN USING A CONTINUOUS HINGE THE MINIMUM DISTANCE FROM THE EDGE OF THE DOOR TO EXPOSED GLASS IS 6-1/4" AT STILES AND 7-1/2" AT MID RAILS.
 11. DLO = DAYLIGHT OPENING (SEE TABLE 1 SHEET 2 FOR LIMITATIONS)
 12. VERIFY GLAZING OPTION ON SHEET 13 & 13A IS AVAILABLE FOR GLASS LITE TYPE AND SIZE.



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

TITLE: OUTSWING SINGLE GLAZED COMMERCIAL STEEL DOORS (HVHZ)(IMPACT)

DOOR CONFIGURATION

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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA CHK. BY: HFN

SCALE: NTS

DWG. #: IRGS07

SHEET:

12



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA
CHK. BY: HFN

SCALE: NTS

DWG. #: IRGS07

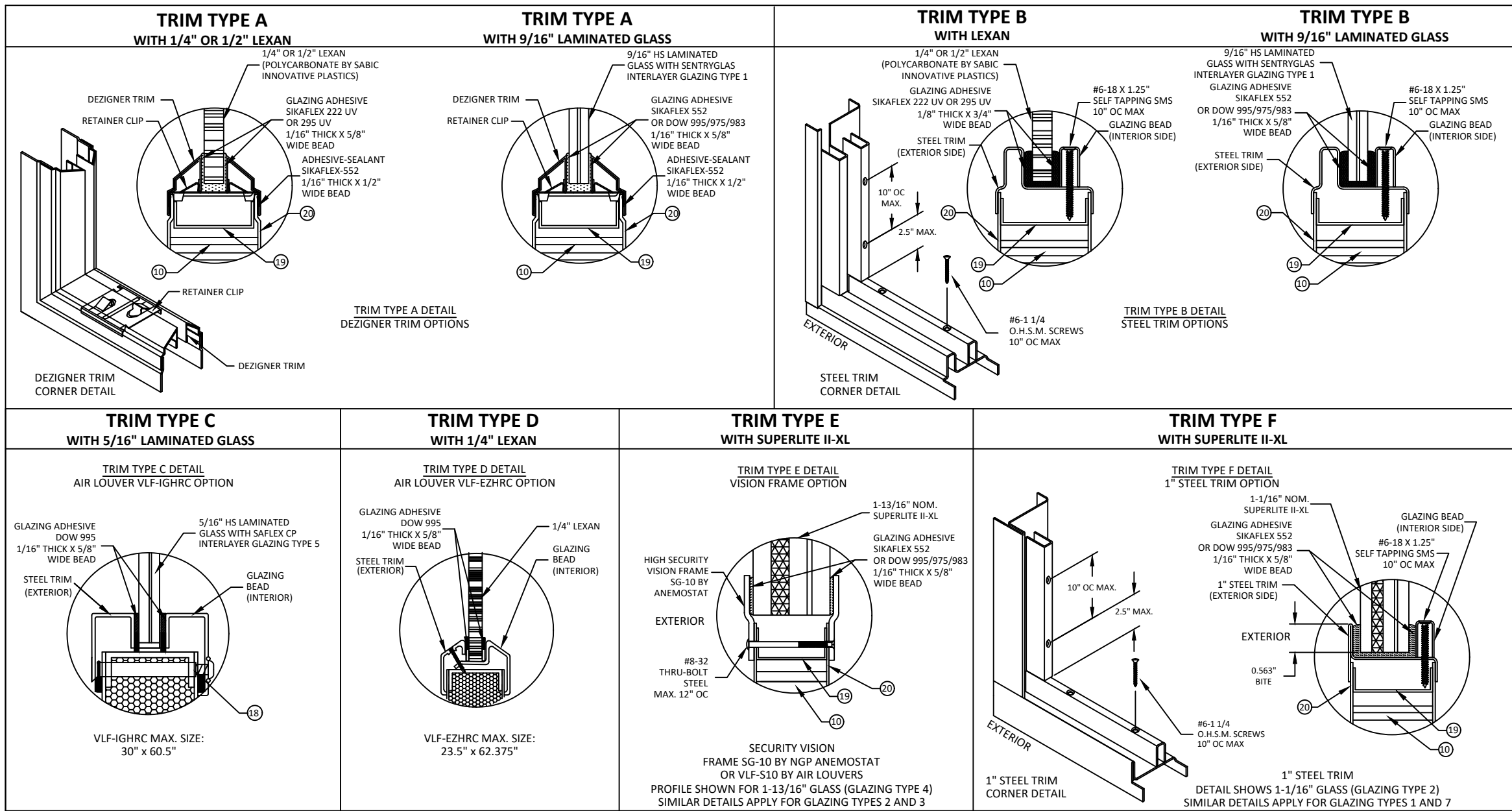
SHEET:

13

OF 34

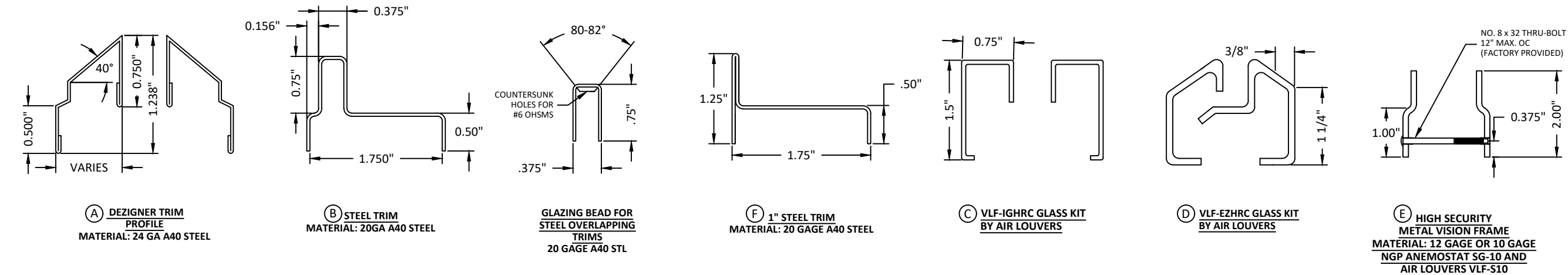
GLAZING TYPE 1	GLAZING TYPE 2	GLAZING TYPE 3	
GLAZING TYPE 1 DETAIL 9/16" HS LAMINATED GLASS WITH SENTRYGLAS INTERLAYER	GLAZING TYPE 2 DETAIL 1-1/16" SUPERLITE II-XL™ BY SAFTI WITH SENTRYGLAS INTERLAYER	GLAZING TYPE 3 DETAIL FIRE RATED 1-7/16" SUPERLITE II-XL™ BY SAFTI WITH SENTRYGLAS INTERLAYER BY KURARAY	
GLAZING TYPE 4	GLAZING TYPE 5	GLAZING TYPE 6	GLAZING TYPE 7
GLAZING TYPE 4 DETAIL 1-13/16" SUPERLITE II-XL™ BY SAFTI WITH SENTRYGLAS INTERLAYER	GLAZING TYPE 5 DETAIL 5/16" HS LAMINATED GLASS WITH SAFLEX CP INTERLAYER	GLAZING TYPE 6 DETAIL 1/4" LEXAN BY SABIC	GLAZING TYPE 7 DETAIL 1/2" LEXAN BY SABIC

TABLE 6. GLAZING TYPES AND METHODS					
TYPE	GLAZING MATERIAL	TYPE	TRIM DESCRIPTION	SEALANT ADHESIVE	GLAZING ADHESIVE
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		



NOTES:

1. SEE SHTS. 3-6 FOR ELEVATIONS, SHT. 2 FOR SIZES AND SHTS. 10, 11 & 28 FOR DOOR & FRAME MATERIAL SPECIFICATIONS.
2. SEE SHTS. 14-19 & 29-34 FOR ANCHOR REQUIREMENTS, WALL CONSTRUCTION AND ANCHORING SYSTEM.
3. SEE SHTS. 11 & 28 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.



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

GLAZING DETAILS

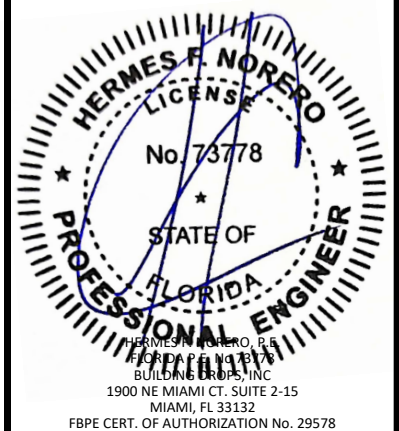
PREPARED BY: BUILDING DROPS, INC.

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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA
CHK. BY: HFN

SCALE: NTS

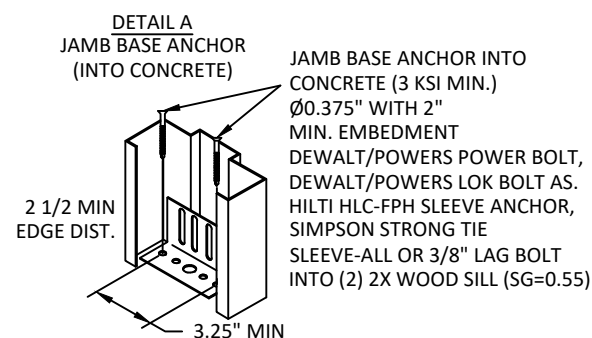
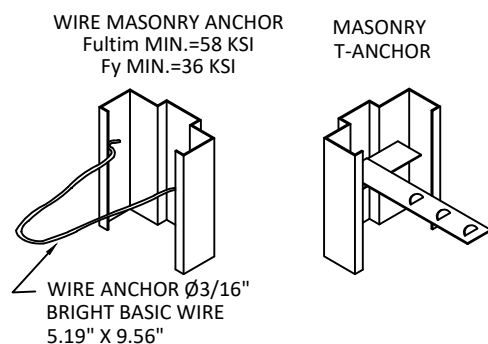
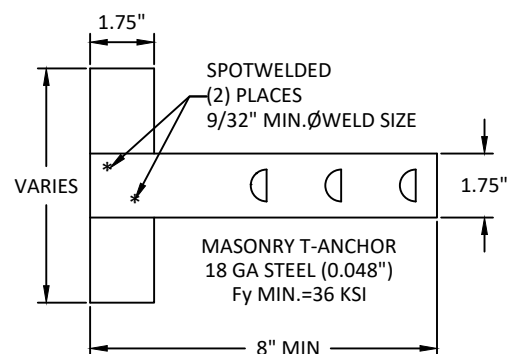
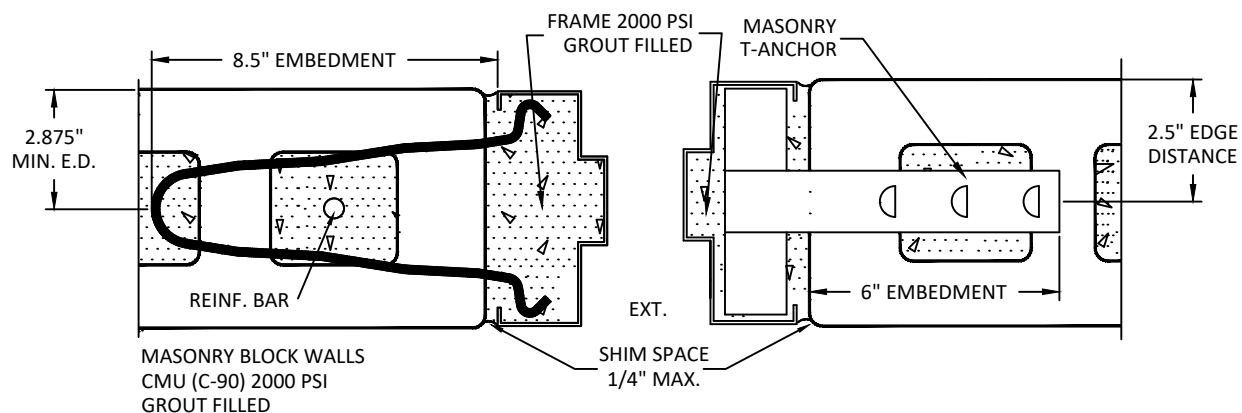
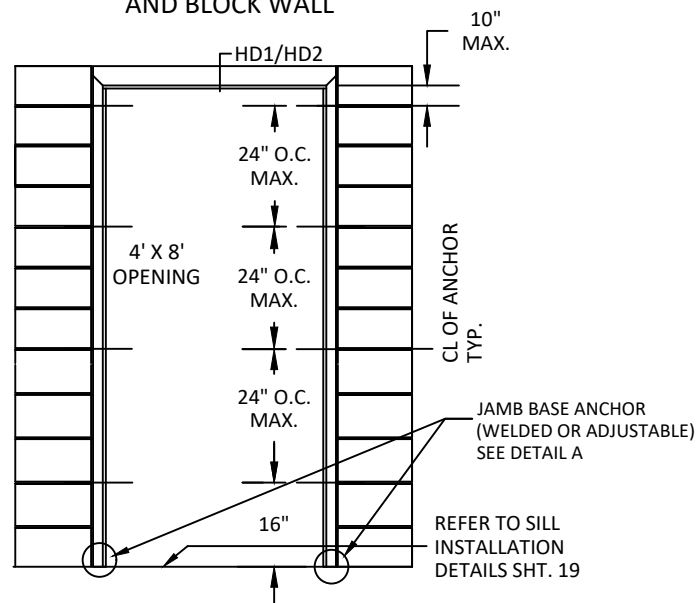
DWG. #: IRGS07

SHEET:

13A

OF 34

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

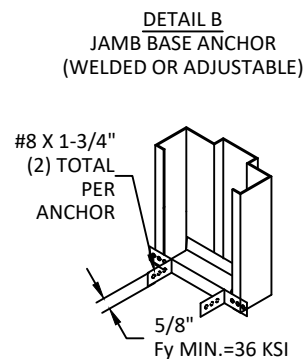
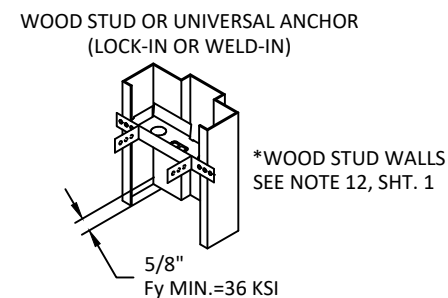
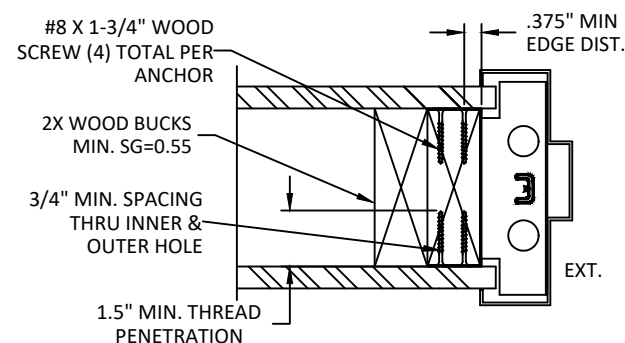
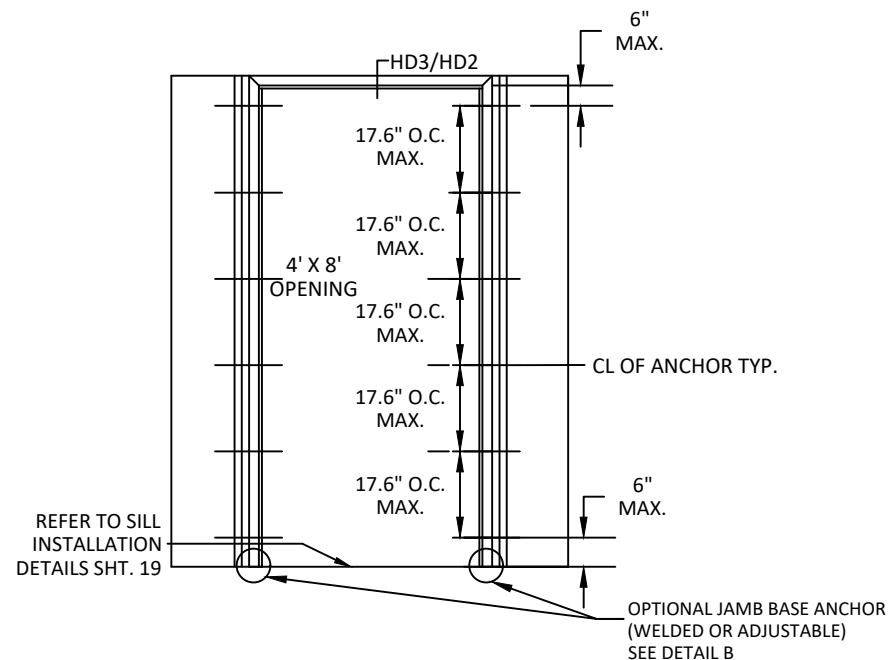


NOTES:

1. (*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF,AND 416#/FT. FOR ASSEMBLIES RATED @100 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
- 2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
- 3.SEALE ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
- 4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL
- 5.THE INSTALLATION DETAILS DESCRIBED HEREIN 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 DRAWINGS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.

WOOD STUD ANCHOR

SEE PAGE 29 FOR
OPTION 2 ANCHOR DETAILS



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

**TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)**

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

PREPARED BY:

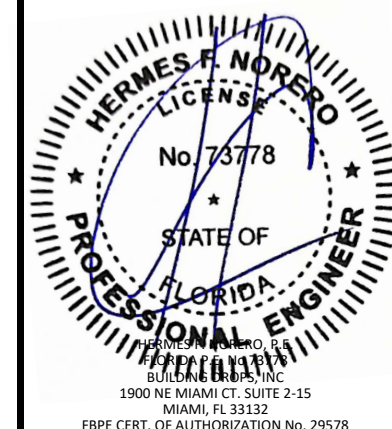
BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com



BID BUILDING DROPS

REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY:
CPA

CHK. BY:	HFN
----------	-----

SCALE: NTS

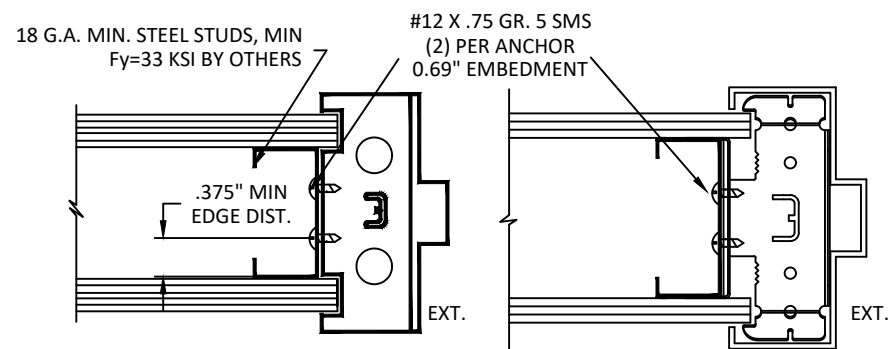
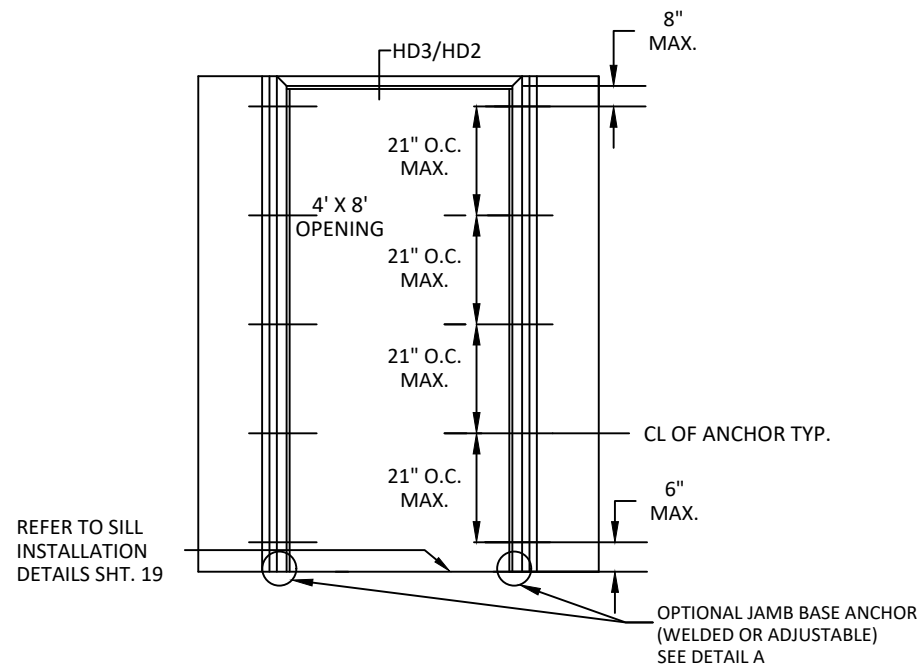
DWG. #: IRGS07

SHEET:

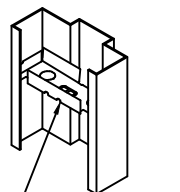
14

OF 34

C STEEL STUD ANCHOR



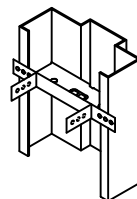
STEEL STUD ANCHOR
WELD-IN OR LOCK-IN



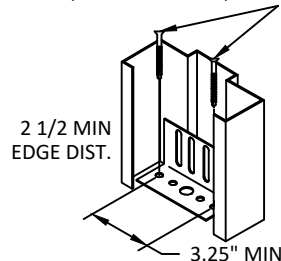
*STEEL STUD WALLS
SEE NOTE 12, SHT. 1

Fy MIN.=36 KSI

UNIVERSAL ANCHOR
WELD-IN OR LOCK-IN



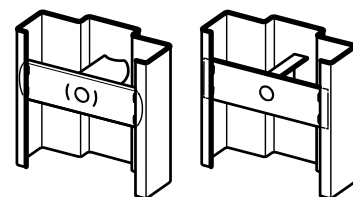
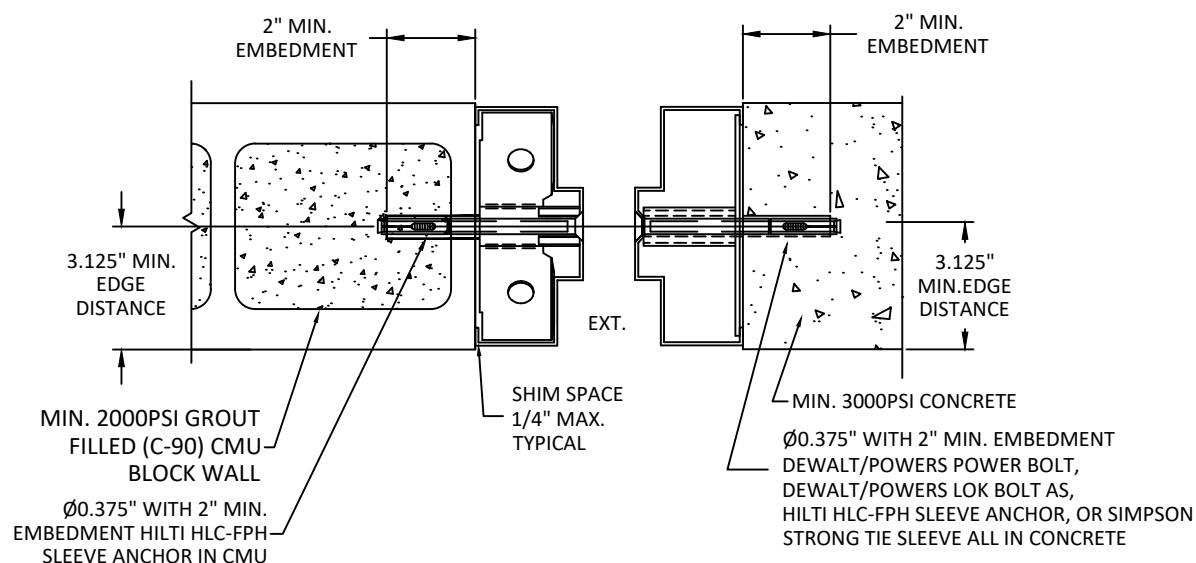
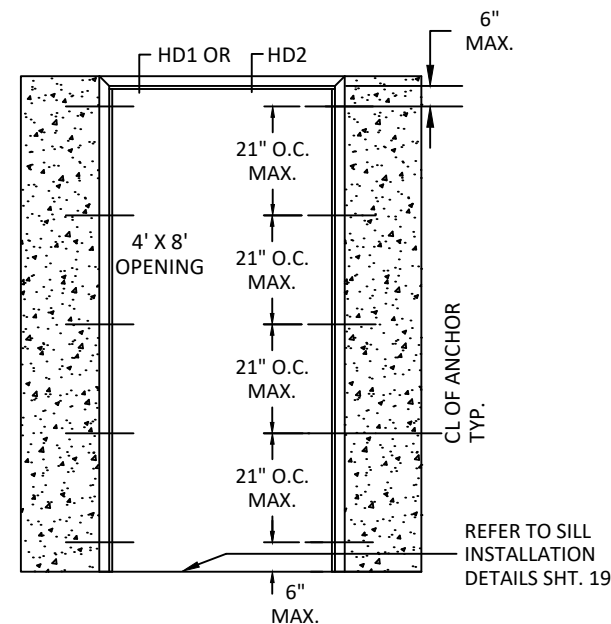
DETAIL A
JAMB BASE ANCHOR
(INTO CONCRETE)



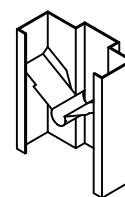
JAMB BASE ANCHOR INTO
CONCRETE (3 KSI MIN.)
Ø0.375" WITH 2"
MIN. EMBEDMENT
DEWALT/POWERS POWER BOLT,
DEWALT/POWERS LOK BOLT AS,
HILTI HLC-FPH SLEEVE ANCHOR,
SIMPSON STRONG TIE
SLEEVE-ALL OR 3/8" LAG BOLT
INTO (2) 2X WOOD SILL (SG=0.55)

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

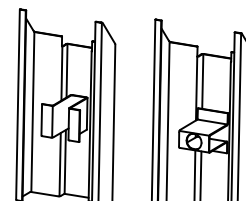
SEE PAGE 30 FOR
OPTION 2 ANCHOR DETAILS



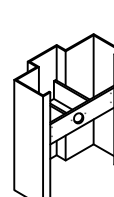
TUBE/CHANNEL &
PLATE BOLT-IN



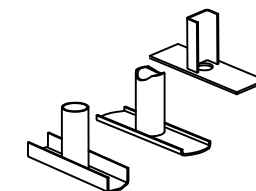
LOCK-IN



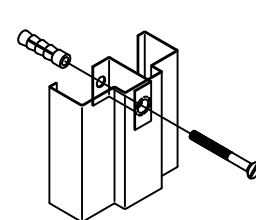
EMA-U ANCHOR



WELD-IN



TUBE & PLATE
WELD-IN EMA
ANCHOR



EMA-U ANCHOR

NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF, AND 416#/FT. FOR ASSEMBLIES RATED @100 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3.SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL
5.THE INSTALLATION DETAILS DESCRIBED HEREIN 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 DRAWINGS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

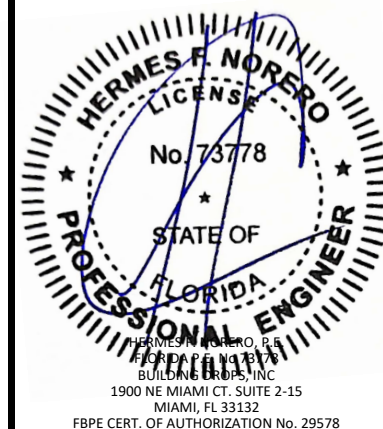
STEELCRAFT: ANCHORS - STEEL STUD
& EMA INTO CONCRETE WALL OR CMU

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



REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY:
CPA

CHK. BY:
HFN

SCALE: NTS

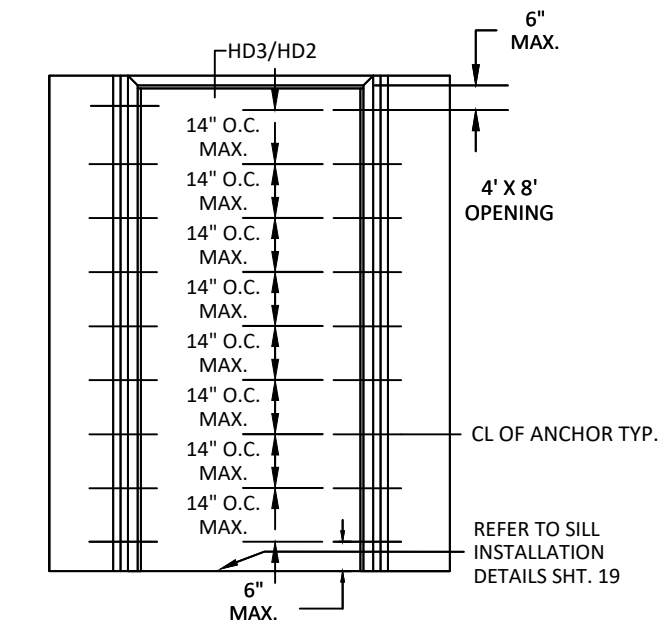
DWG. #: IRGS07

SHEET:

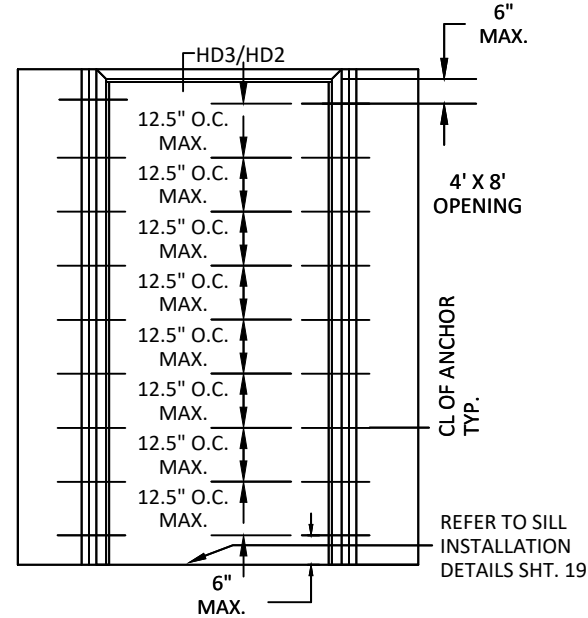
15

OF 34

E1 EXISTING MASONRY ANCHOR (EMA)
WITH LAG BOLT INTO WOOD STUD WALL
UP TO 70 PSF

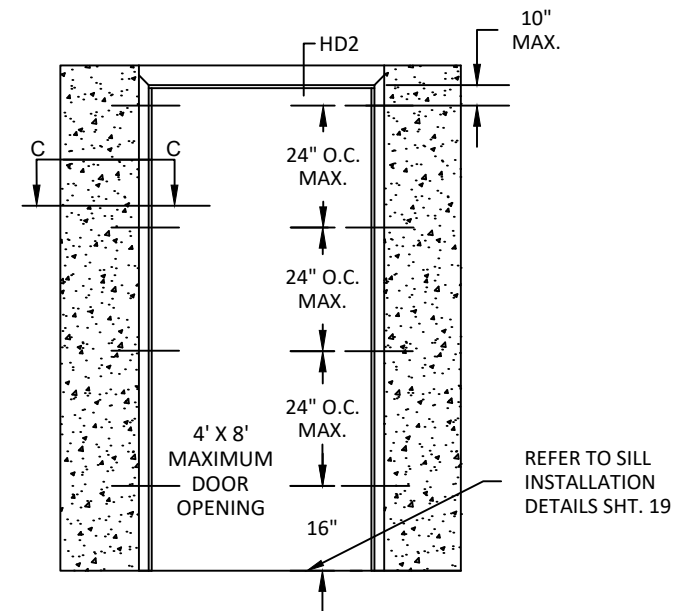


E2 EXISTING MASONRY ANCHOR (EMA)
WITH LAG BOLT INTO WOOD STUD WALL
UP TO 100 PSF

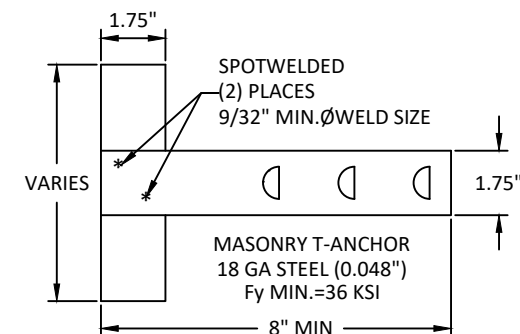
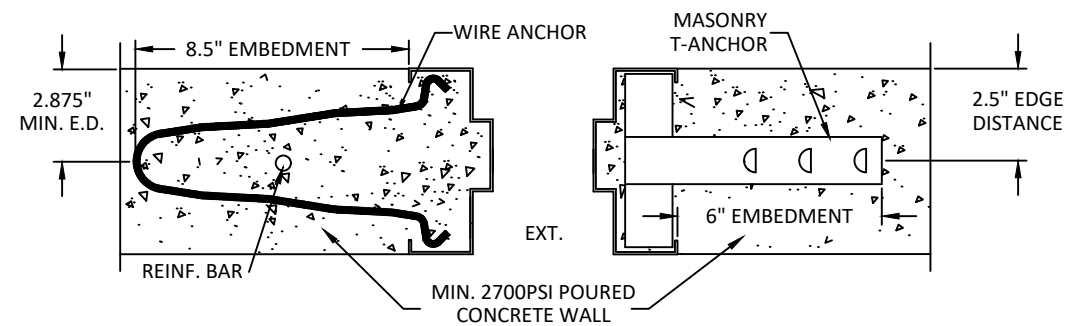


F POURED CONCRETE
TILT UP WALL

SEE PAGE 31 FOR
OPTION 2 ANCHOR DETAILS

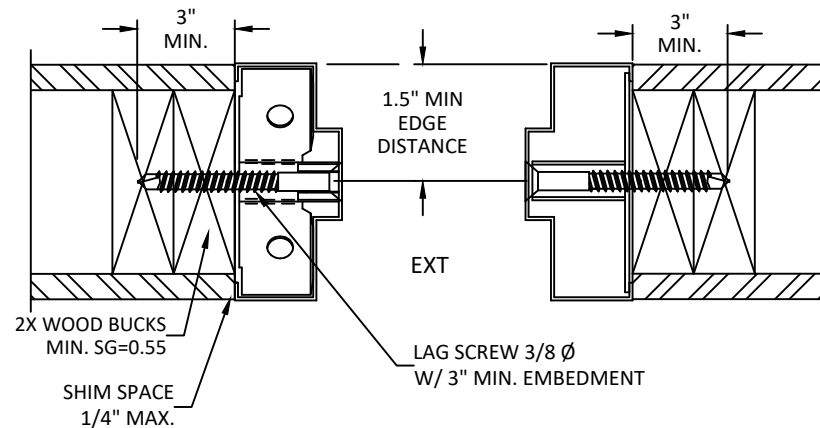
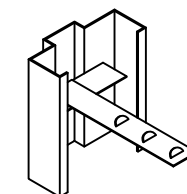
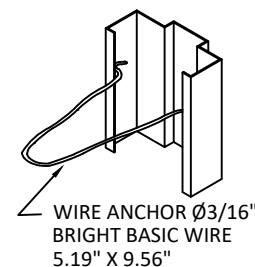


CROSS-SECTION C - C
POURED CONCRETE OPTION

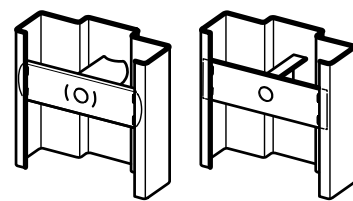


WIRE MASONRY ANCHOR
Fultim MIN.=58 KSI
Fy MIN.=36 KSI

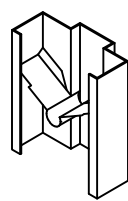
MASONRY
T-ANCHOR



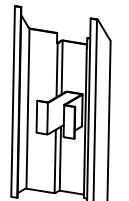
*WOOD STUD WALLS
SEE NOTE 12, SHT. 1



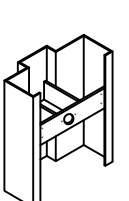
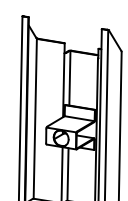
TUBE/CHANNEL &
PLATE BOLT-IN



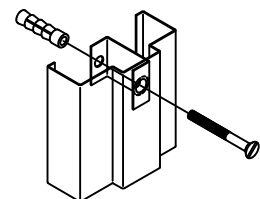
LOCK-IN



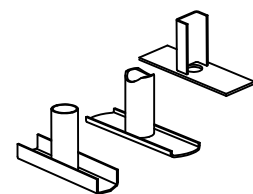
EMA-U ANCHOR



WELD-IN



EMA-U ANCHOR



TUBE & PLATE
WELD-IN EMA
ANCHOR

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

NOTES:

1. (*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF, AND 416#/FT. FOR ASSEMBLIES RATED @100 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
4. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL
5. THE INSTALLATION DETAILS DESCRIBED HEREIN 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 DRAWINGS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)
STEELCRAFT: ANCHORS - EMA W/
LAG BOLT INTO WOOD STUD WALL
POURED CONCRETE TILT UP WALL

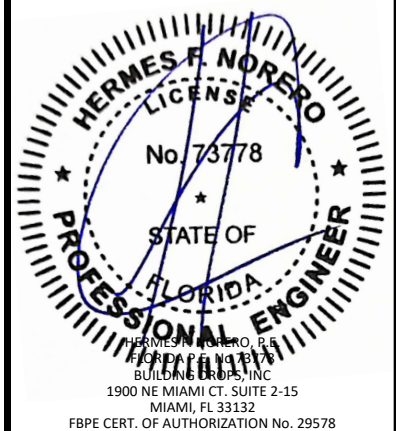
PREPARED BY: BUILDING DROPS, INC.

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



REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA

CHK. BY: HFN

SCALE: NTS

DWG. #: IRGS07

SHEET:

16

OF 34

G FRAMES BOLTED TO BUILDING STRUCTURE

SEE PAGE 32 FOR
OPTION 2 ANCHOR DETAILS



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

STEELCRAFT: ANCHORS - FRAMES
BOLTED TO BUILDING STRUCTURE

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15

MIAMI, FL 33132

PH: (954)399-8478

FAX: (954)744-4738

WEB: www.buildingdrops.com



REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY:
CPA

CHK. BY:
HFN

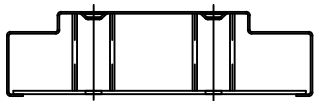
SCALE: NTS

DWG. #: IRGS07

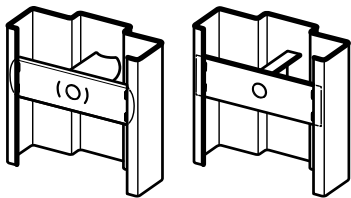
SHEET:

17

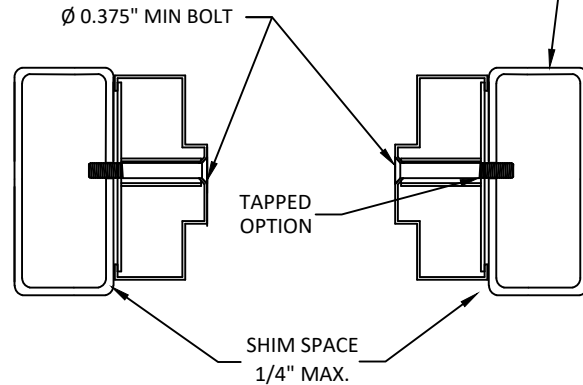
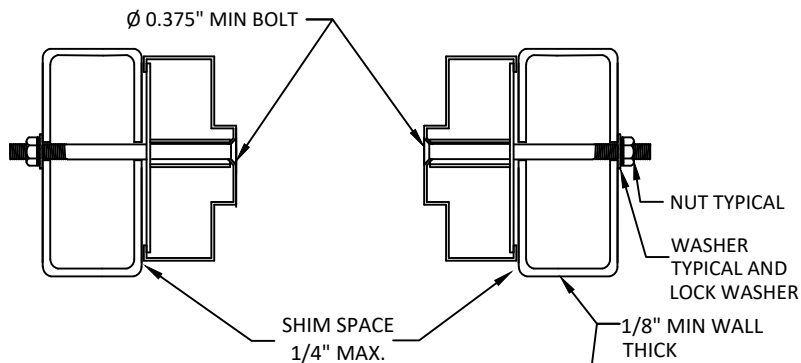
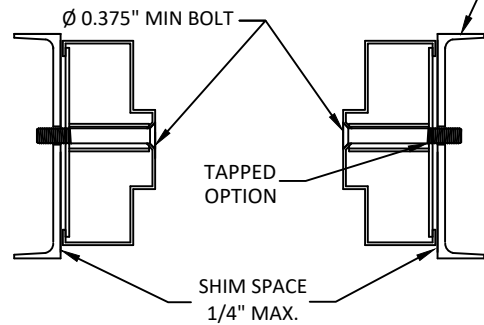
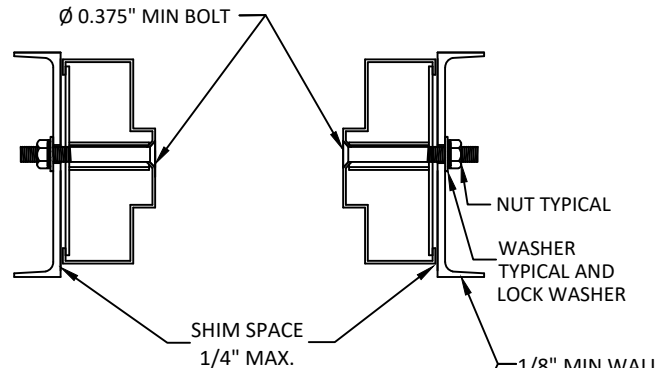
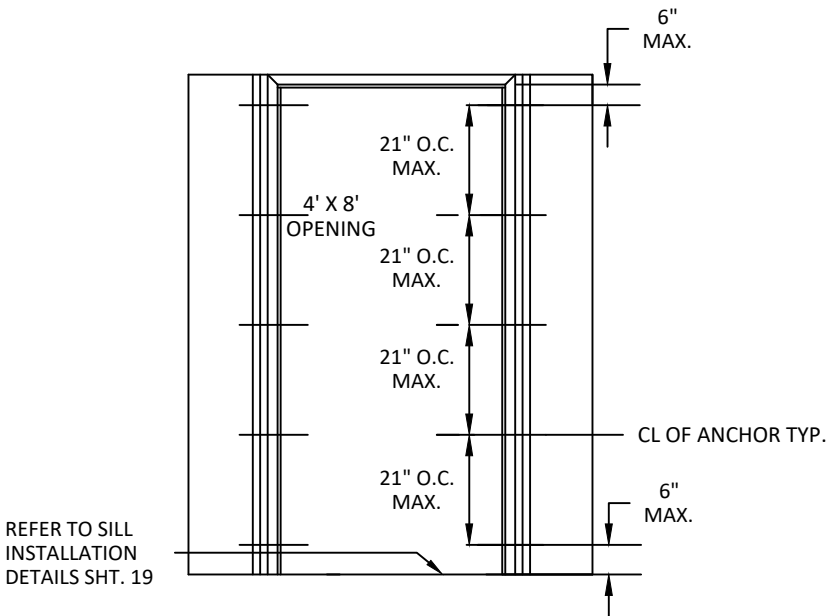
OF 34



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



TUBE/CHANNEL &
PLATE BOLT-IN



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

NOTES:

- 1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF, AND 416#/FT. FOR ASSEMBLIES RATED @100 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
- 2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
- 3.SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
- 4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL
- 5.THE INSTALLATION DETAILS DESCRIBED HEREIN 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 DRAWINGS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.



WELDED ANCHOR
SHIM OR STEEL BUILDING
STRUCTURE

SEE PAGE 33 FOR
OPTION 2 ANCHOR DETAILS



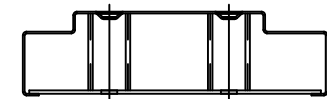
ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

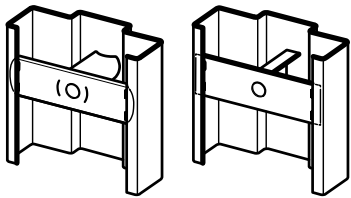
STEELCRAFT: ANCHORS - FRAMES
WELDED TO STEEL STRUCTURE BUILDING

PREPARED BY: BUILDING DROPS, INC.

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

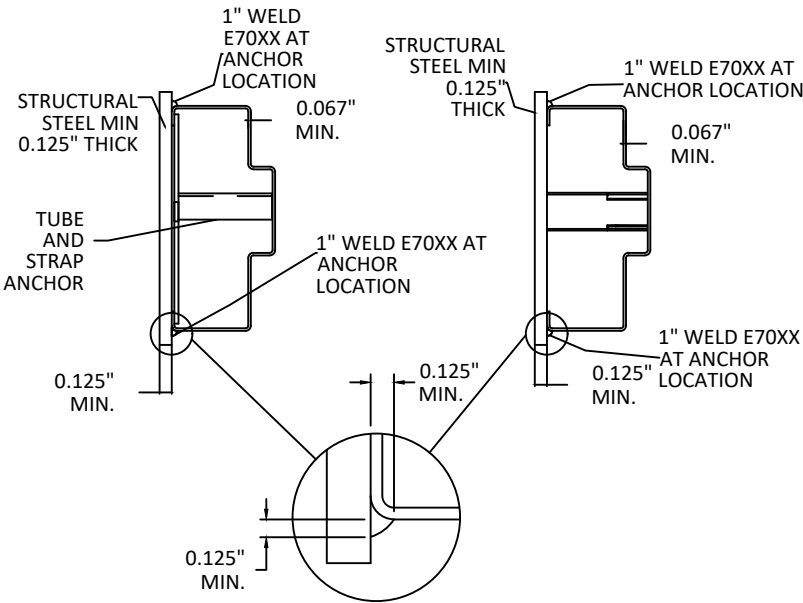
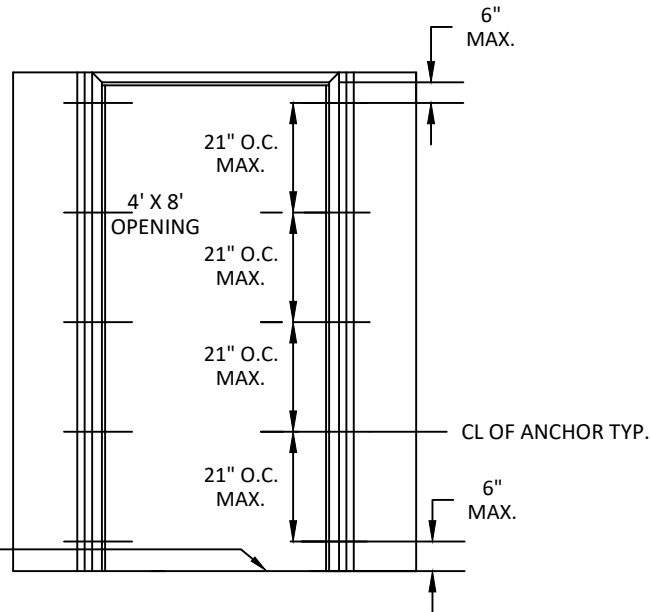


9 1/4" JAMB DEPTH AND ABOVE
REQUIRES 2 ANCHOR BOLTS



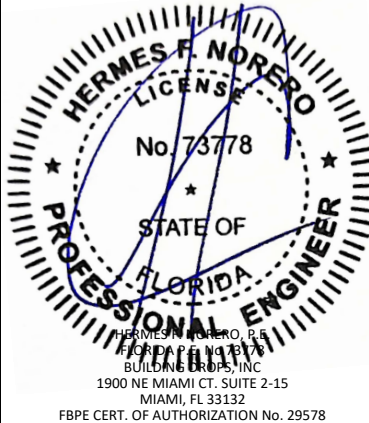
TUBE/CHANNEL &
PLATE BOLT-IN

REFER TO SILL
INSTALLATION
DETAILS SHT. 19



NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF,AND 416#/FT. FOR ASSEMBLIES RATED @100 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3.SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL
5.THE INSTALLATION DETAILS DESCRIBED HEREIN 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 DRAWINGS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA

CHK. BY: HFN

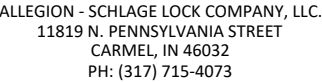
SCALE: NTS

DWG. #: IRGS07

SHEET:

18

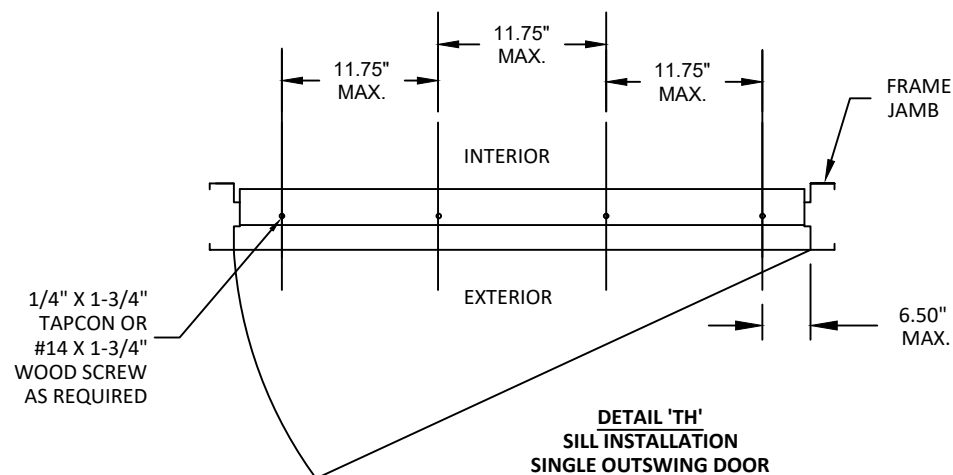
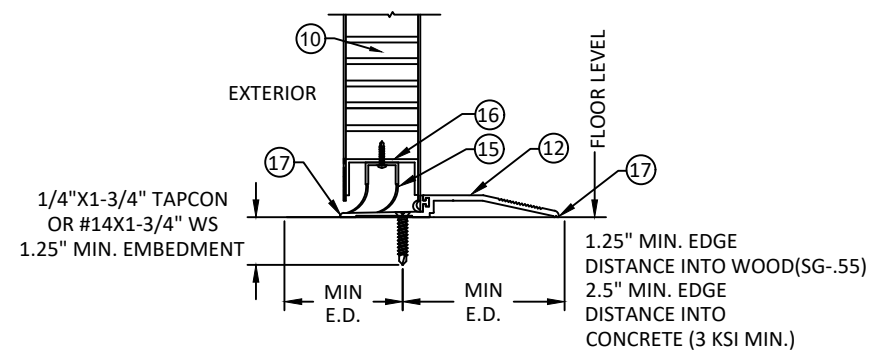
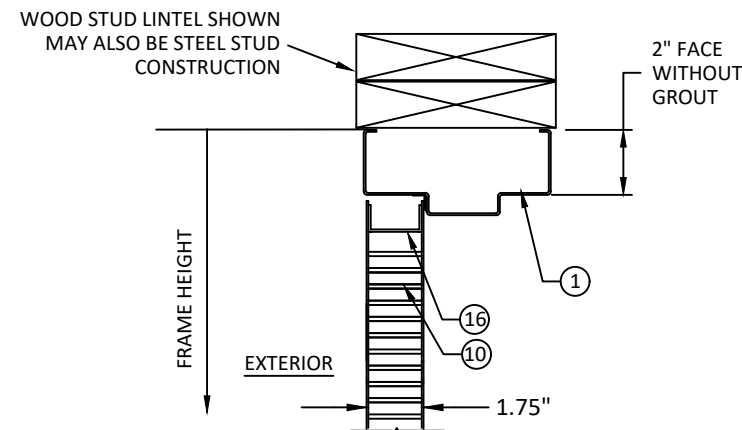
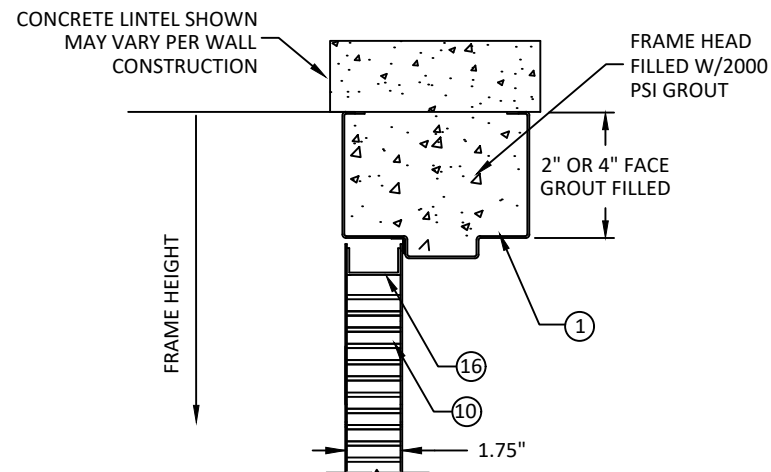
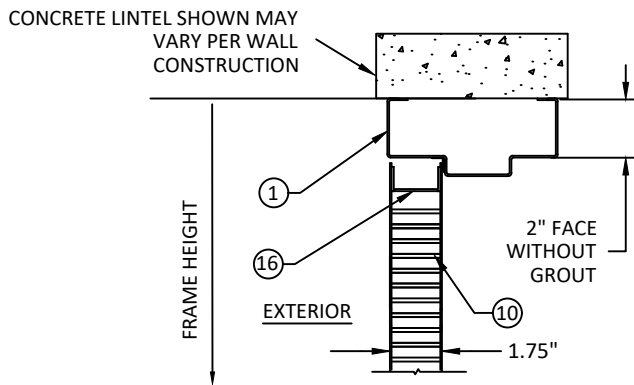
OF 34



STEELCRAFT: FRAME HEAD &
SILL ANCHORS DETAIL

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



NOTES:

1. (1) WOOD OR (2) STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STRUCT WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @ 75 PSF, AND 416 #/FT. FOR ASSEMBLIES RATED @ 100 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
4. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL
5. THE INSTALLATION DETAILS DESCRIBED HEREIN 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 DRAWINGS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.

REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY:
CPA

CHK. BY:
HFN

SCALE: NTS

DWG. #: IRGS07

SHEET:

19

OF 34

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

ITEM NUMBER	MODEL NO./ DESCRIPTION	MFG.
12A	566 THRESHOLD	ZERO INT'L
15	FAS-SEAL SWEEP	STEELCRAFT
16	END CHANNEL	STEELCRAFT
21A	188S DOOR SEAL	ZERO INT'L
23A	139 DOOR SWEEP	ZERO INT'L
23B	328 DOOR SWEEP	ZERO INT'L
24A	475 ADJUSTABLE SEAL	ZERO INT'L
25A	142 RAIN DRIP	ZERO INT'L
25B	11 RAIN DRIP	ZERO INT'L
26A	DOOR TOP CAP	STEELCRAFT
26B	FLUSH TOP CAP	STEELCRAFT

ZERO INT'L 566 THRESHOLD GASKETING SYSTEM
REQUIREMENTS FOR WATER INFILTRATION -
MAXIMUM DESIGN PRESSURE RATING 75PSF -
MAXIMUM DOOR SIZE 4'-0" X 8'-0"
(SEE ELEVATIONS, SHEETS 3-6)

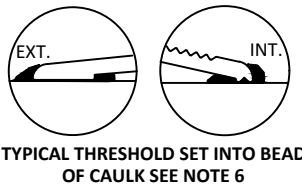
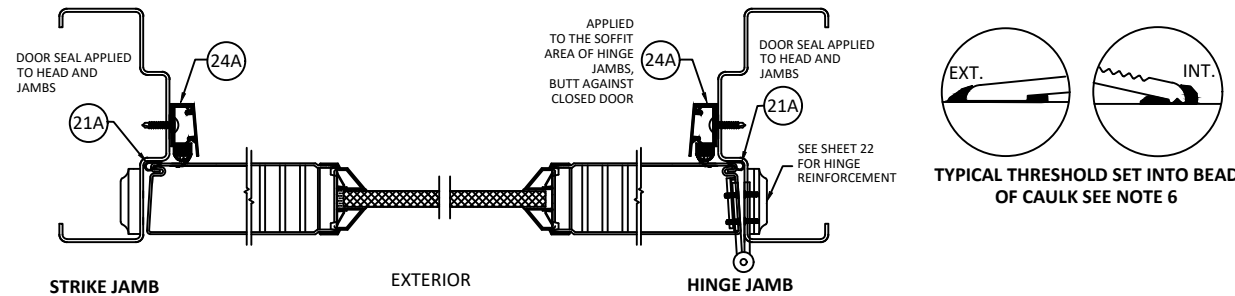
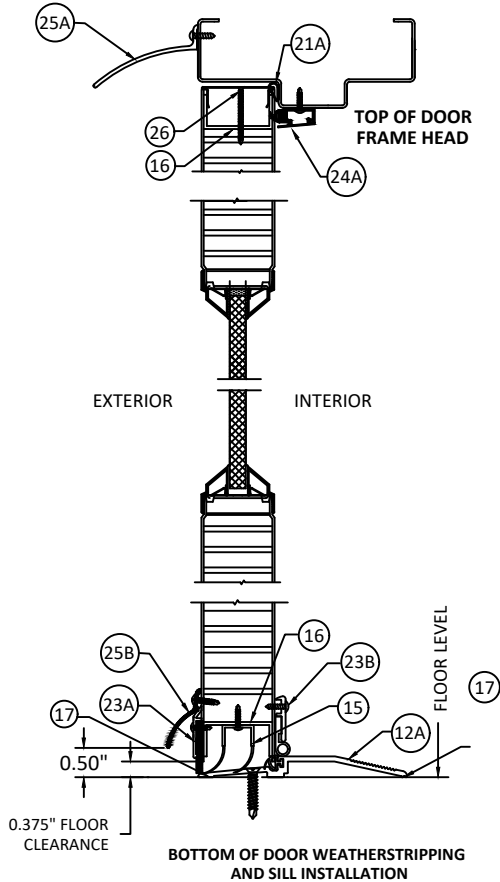
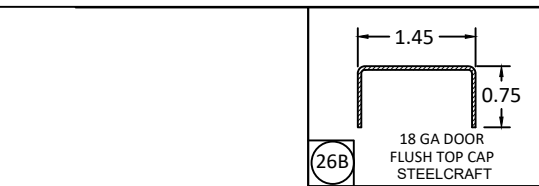
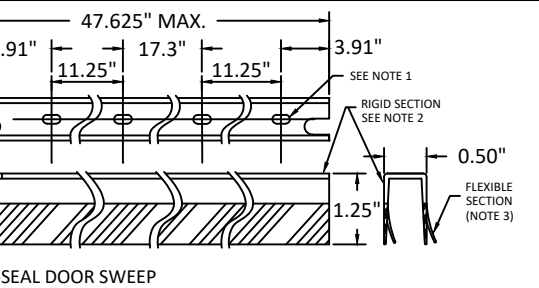
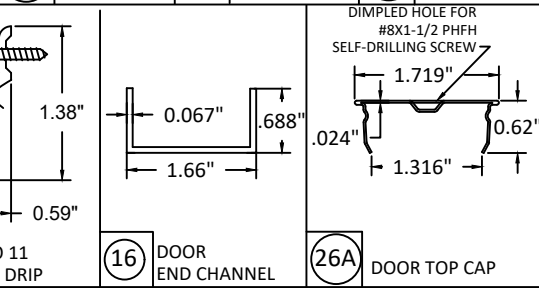
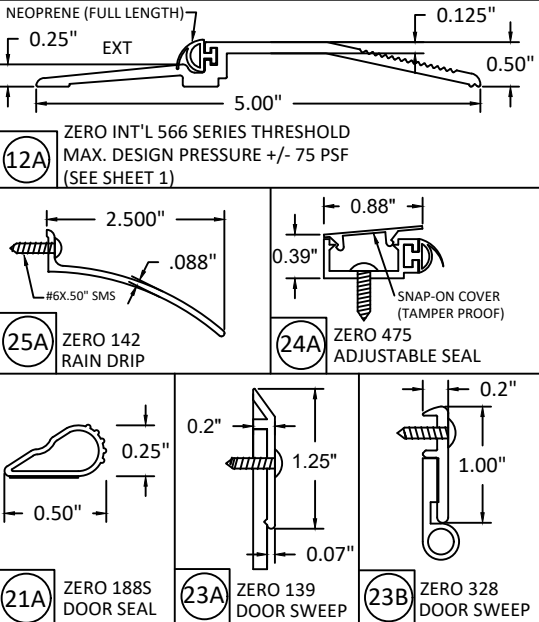
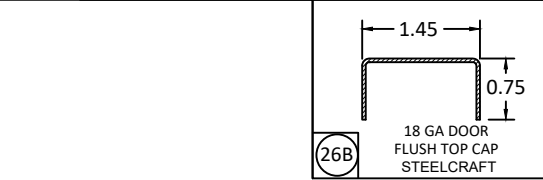
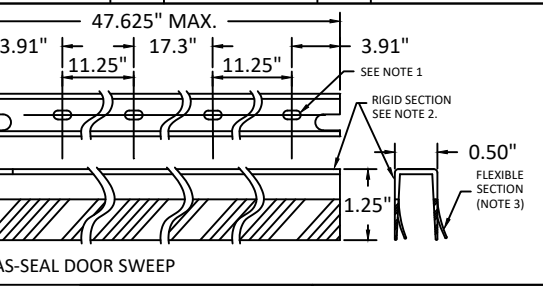
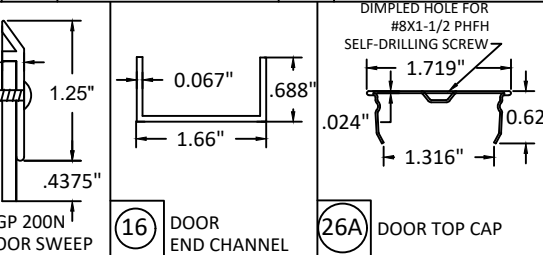
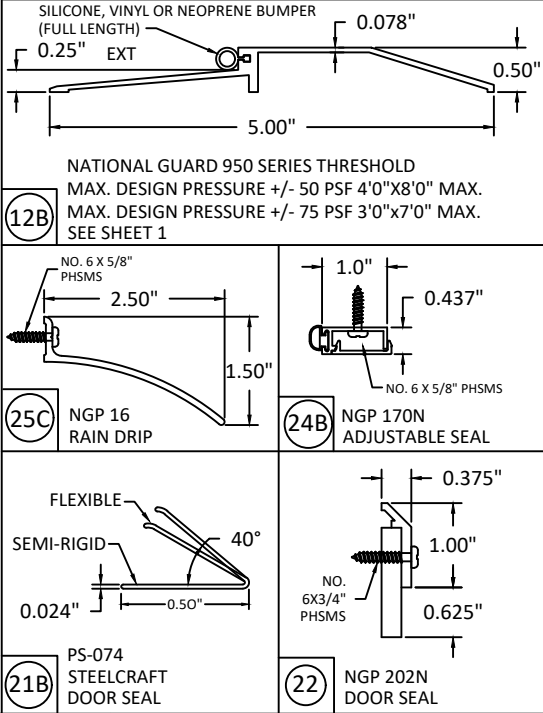
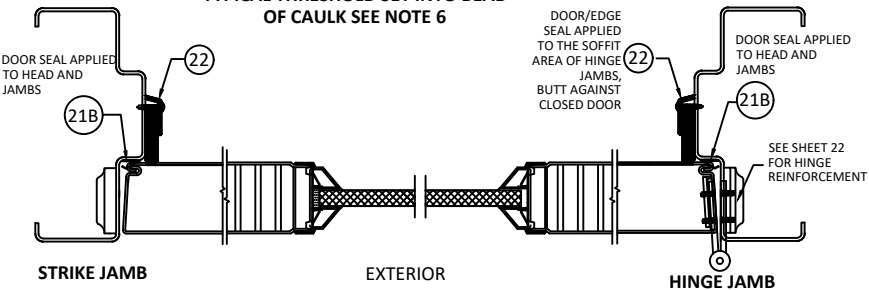
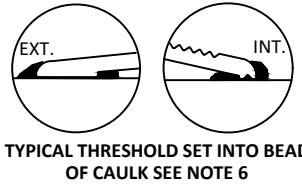
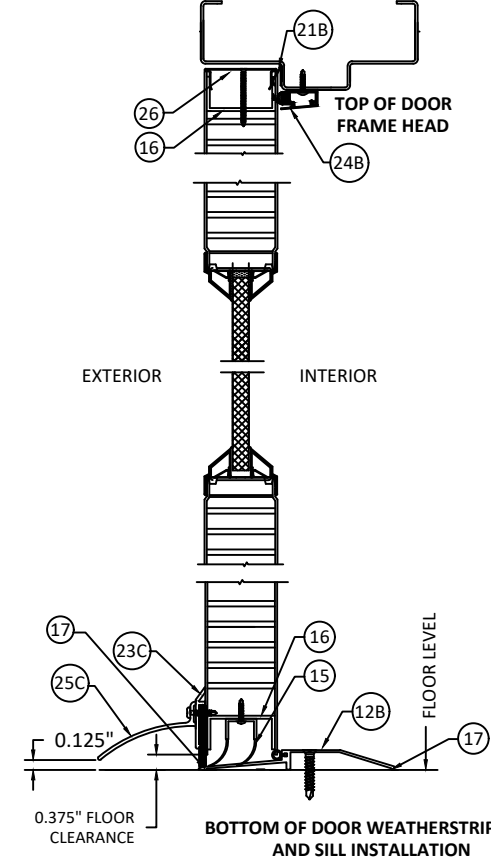


TABLE 7.2 WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

ITEM NUMBER	MODEL NO./ DESCRIPTION	MFG.
12B	950 THRESHOLD	NGP
15	FAS-SEAL SWEEP	STEELCRAFT
16	END CHANNEL	STEELCRAFT
21B	PS074 DOOR SEAL	STEELCRAFT
22	202N DOOR SEAL	NGP
23C	200N DOOR SWEEP	NGP
24B	170N ADJUSTABLE SEAL	NGP
25C	16A RAIN DRIP	NGP
26A	DOOR TOP CAP	STEELCRAFT
26B	FLUSH TOP CAP	STEELCRAFT

NGP 950 THRESHOLD GASKETING SYSTEM
REQUIREMENTS FOR WATER INFILTRATION -
MAXIMUM DESIGN PRESSURE RATING 75PSF FOR
MAXIMUM DOOR SIZE OF 3'-0" X 7'-0"
MAXIMUM DESIGN PRESSURE 50 PSF FOR MAXIMUM
DOOR SIZE OF 4'-0" X 8'-0"
(SEE ELEVATIONS, SHEETS 3-6)



- NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
 2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
 3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
 4. STEELCRAFT INSTALLATIONS REQUIRE FAS-SEAL DOOR SWEEP (15) AND THRESHOLD (12) AS APPLICABLE.
 5. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
 6. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SLICONE CAULK FULL LENGTH OF SILL.
 7. REPUBLIC DOORS HAVE FLUSH TOP DOOR CHANNEL - TOP CAP NOT APPLICABLE.



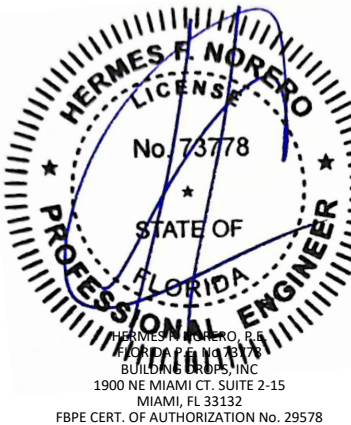
ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)
GASKETING DETAILS FOR
WATER INFILTRATION

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

REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

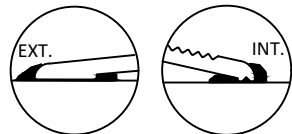
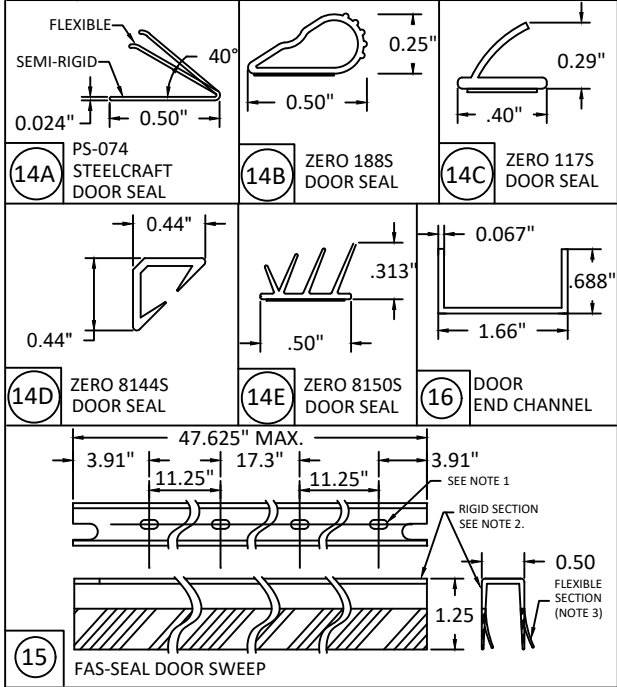
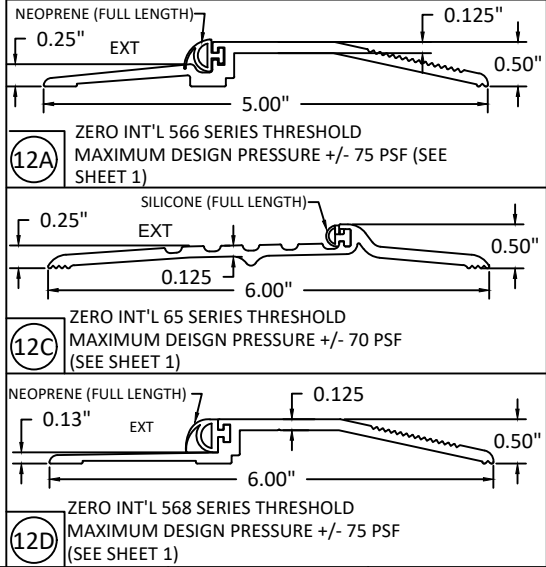
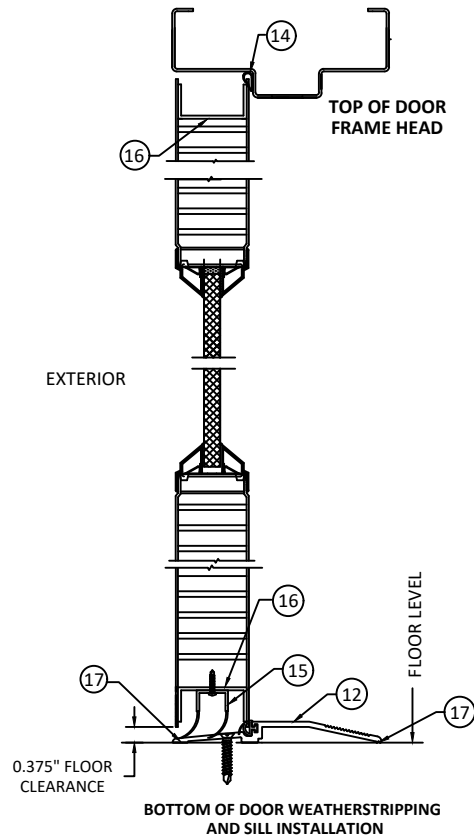
DATE:	05.04.22
DWG. BY:	CPA
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	IRGS07
SHEET:	

20

TABLE 8.1 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 AND 568 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED. MAXIMUM DESIGN PRESSURE RATING 75 PSF
ZERO INT'L 65 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED. MAXIMUM DESIGN PRESSURE RATING 70 PSF
MAXIMUM DOOR SIZE 4'-0" X 8'-0" (SEE ELEVATIONS, SHEET 3-6)



TYPICAL THRESHOLD SET INTO BEAD OF CAULK SEE NOTE 6

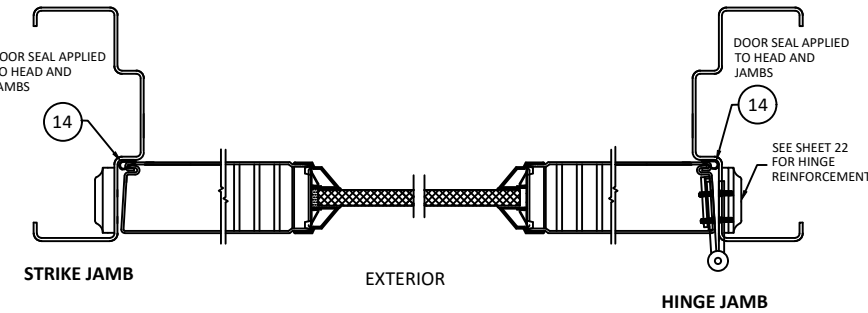
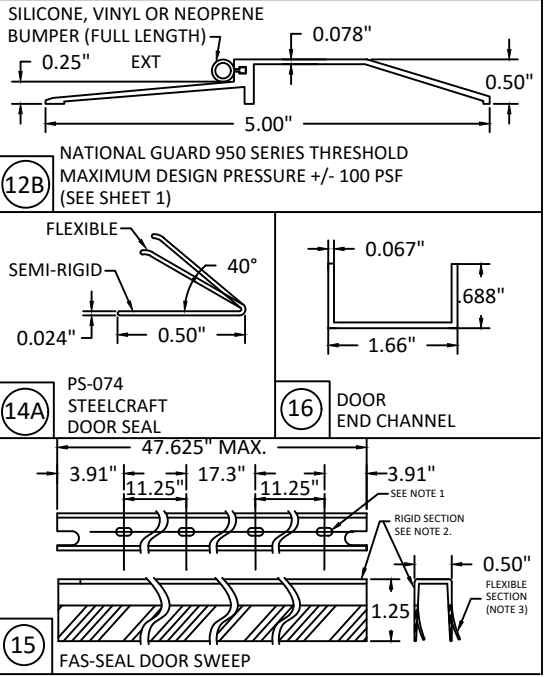


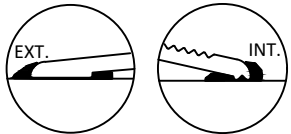
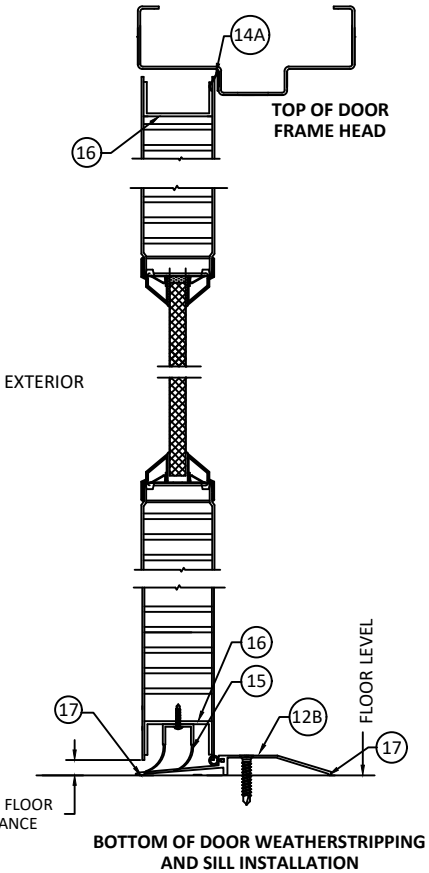
TABLE 8.2 NON WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

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

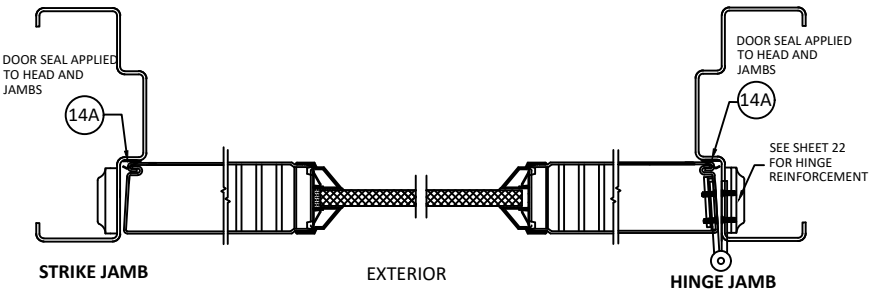
NGP 950 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED - MAXIMUM DESIGN PRESSURE 100 PSF FOR MAXIMUM DOOR SIZE OF 4'-0" X 8'-0" (SEE ELEVATIONS, SHEET 3-6)



- NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
 2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
 3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
 4. STEELCRAFT INSTALLATIONS REQUIRE FAS-SEAL DOOR SWEEP (15), DOOR SEAL (14A, 14B, 14C, 14D & 14E) AND THRESHOLD (12A, 12B, 12C & 12D) AS APPLICABLE.
 5. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
 6. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL.
 7. REPUBLIC INSTALLATIONS REQUIRE DOOR SEAL (14A, 14B, 14C, 14D & 14E) AND THRESHOLD (12A, 12B, 12C & 12D) AS APPLICABLE.
 8. REPUBLIC DOORS HAVE FLUSH TOP DOOR CHANNEL - TOP CAP NOT APPLICABLE.



TYPICAL THRESHOLD SET INTO BEAD OF CAULK SEE NOTE 6



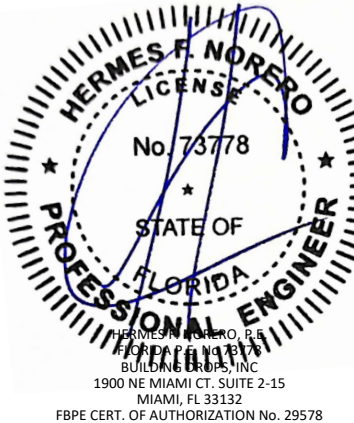
ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)
GASKETING DETAILS FOR
NO WATER INFILTRATION

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

REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE:	05.04.22
DWG. BY:	CPA
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	IRGS07
SHEET:	

21



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

HINGES, THRESHOLDS, CHANNELS,
& STRIKE REINFORCEMENTS

PREPARED BY:

BUILDING DROPS, INC.

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



REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY:
CPA

CHK. BY:
HFN

SCALE: NTS

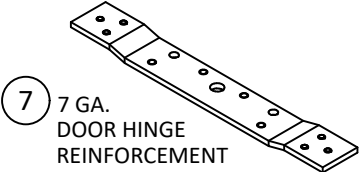
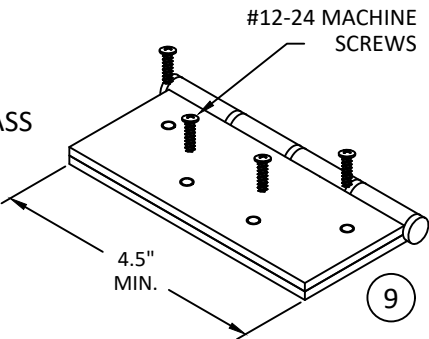
DWG. #: IRGS07

SHEET:

22

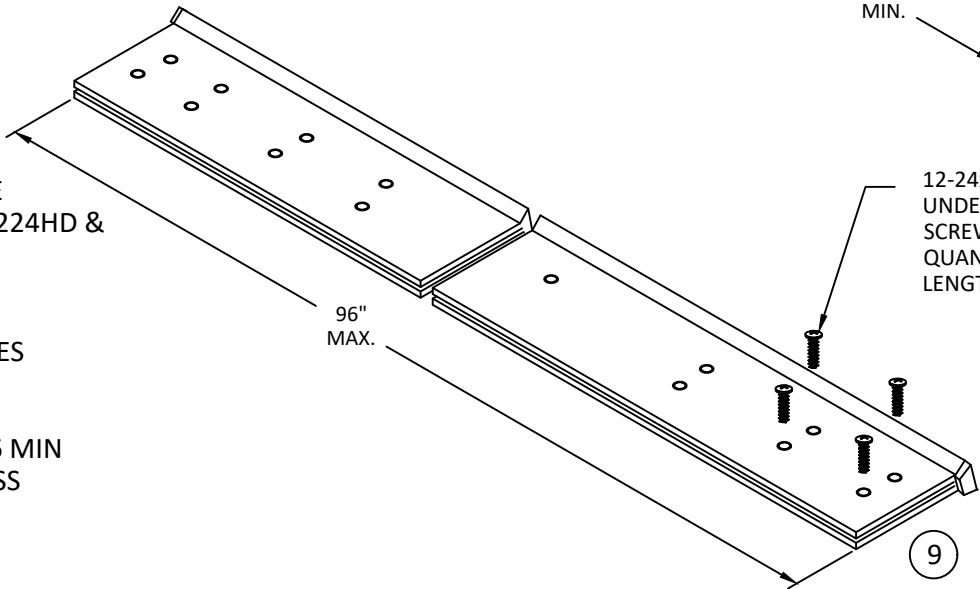
OF 34

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

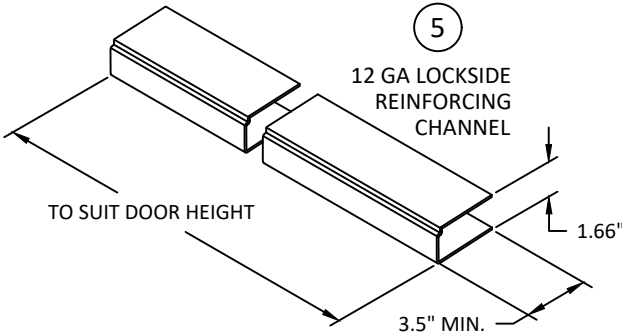


SEE HINGE DETAIL
SHEET 9

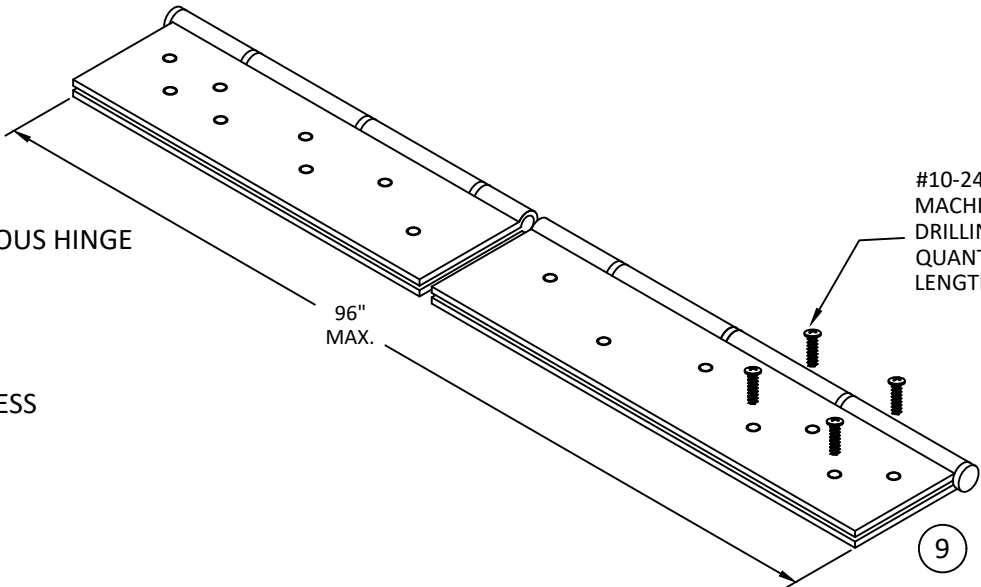
CONTINUOUS HINGE
IVES 112HD, 112XY, 224HD &
224XY
STANLEY 661HD
SELECT SL11HD
PEMKO FM_HD SERIES
HAGER 780-224HD
ABH A240HD
ALUMINUM 6036-T6 MIN
.110" MIN. THICKNESS



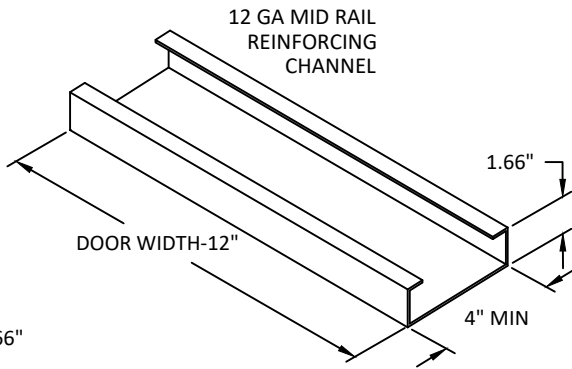
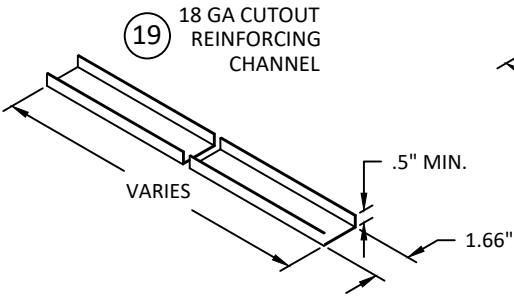
12-24x3/4"FLAT HEAD
UNDERCUT SELF DRILLING
SCREW DOOR AND FRAME LEAF
QUANTITY VARIES PER HINGE
LENGTH



STAINLESS STEEL CONTINUOUS HINGE
IVES 700, 700CS
HAGER 790-900
MARKAR FM-300 & HG305
ABH A500
.075" MIN. (14GA.) THICKNESS
304 STAINLESS STEEL

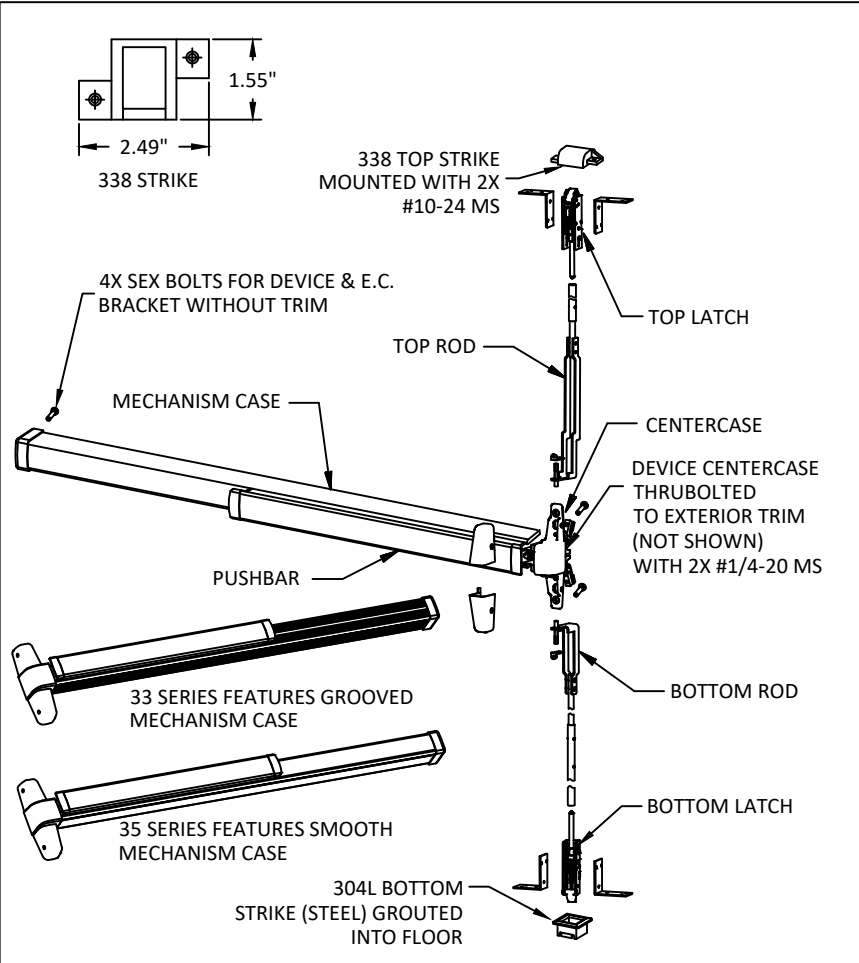


#10-24X 1/2" MIN.
MACHINE SCREW OR SELF
DRILLING EACH HINGE LEAF
QUANTITY VARIES PER HINGE
LENGTH

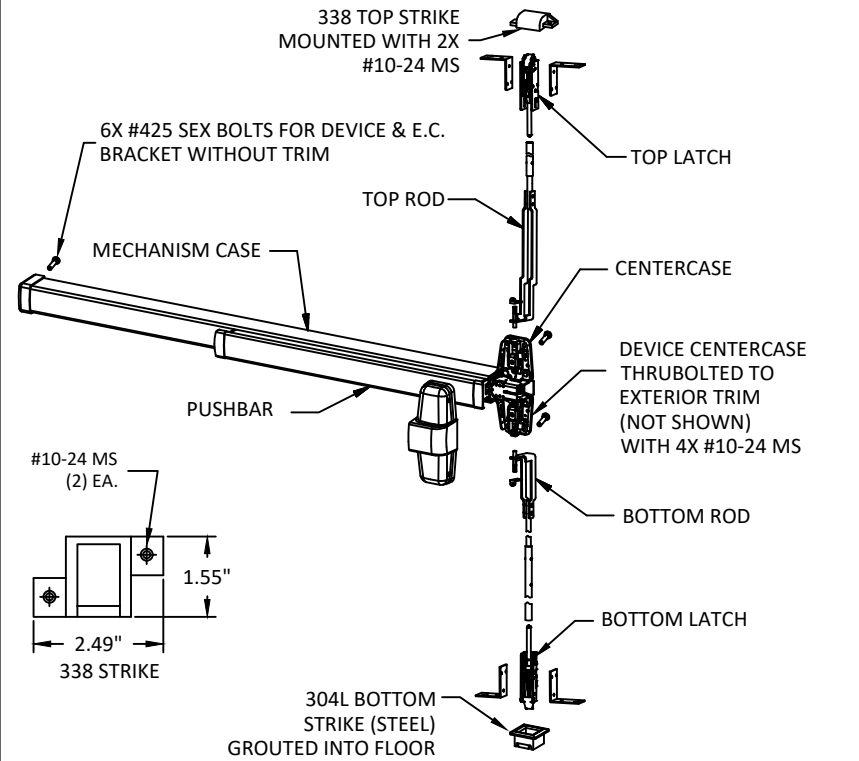


HINGE NOTES:

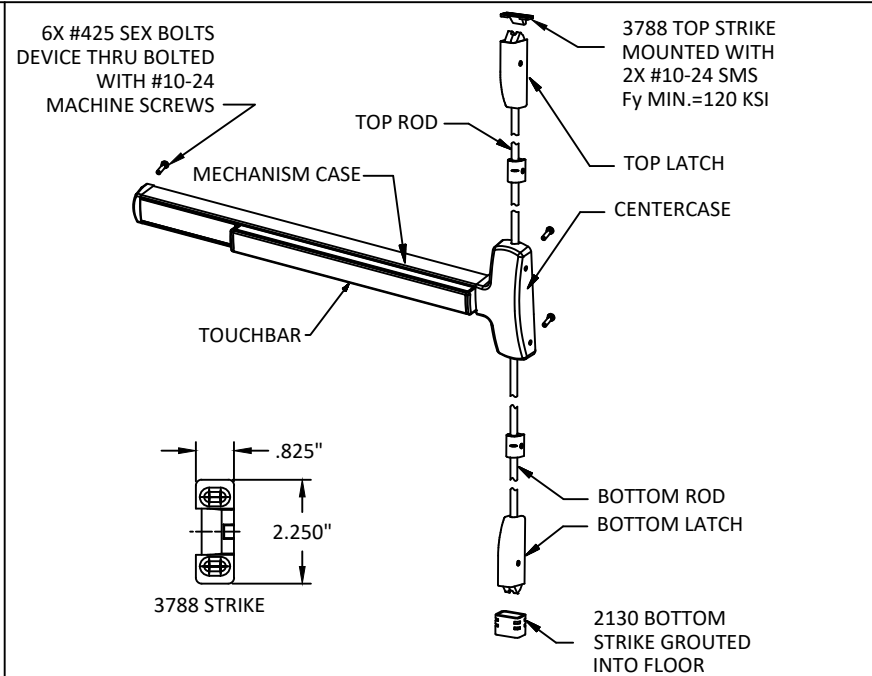
1. QUANTITY OF SCREWS VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
2. SCREW SPACING VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
3. INSTALL HINGES PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS
4. BUTT AND CONTINUOUS HINGES MAY INCLUDE ELECTRICAL THROUGH-WIRE, POWER TRANSFER AND MONITORING.
5. DOORS AND FRAMES DO NOT REQUIRE ADDITIONAL REINFORCEMENT WITH A CONTINUOUS HINGE.



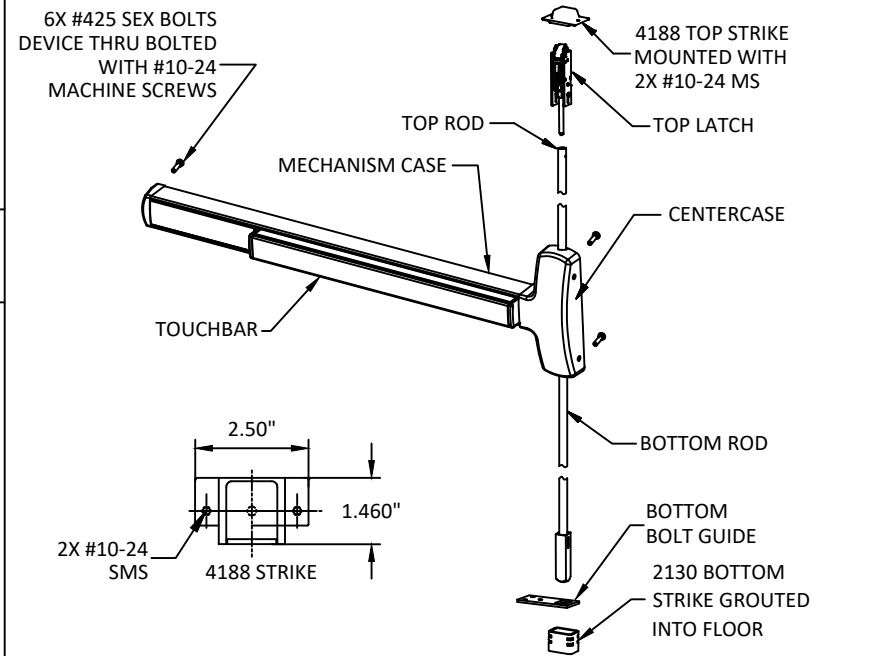
VON DUPRIN SERIES 33/3547A-F, HH33/3547, HH7547 & HH7547-F
CONCEALED VERTICAL ROD EXIT DEVICE WITH 2-3/4" BACKSET
USED IN CONFIGURATION: 4



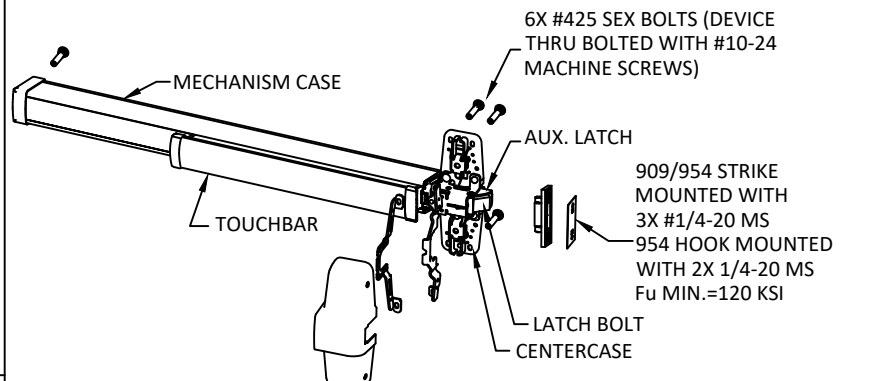
VON DUPRIN 98/9947-F, HH98/9947, HH7847 & HH7847-F
CONCEALED VERTICAL ROD EXIT DEVICE WITH 2-3/4" BACKSET
USED IN CONFIGURATION: 4



FALCON F-25-V & 25-V, SURFACE VERTICAL ROD EXIT DEVICE
USED IN DOOR CONFIGURATION: 3 (SEE SHT. 3)



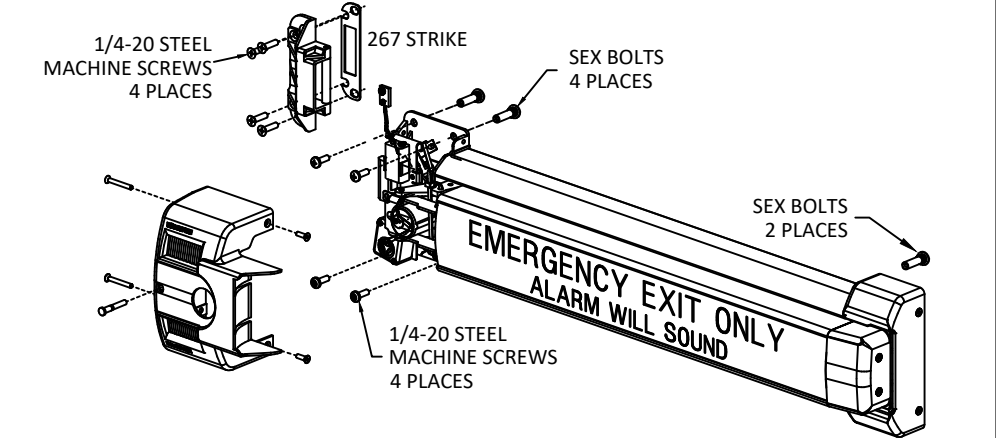
FALCON F-25-C, CONCEALED VERTICAL ROD EXIT DEVICE
USED IN DOOR CONFIGURATION: 4 (SEE SHT. 3)



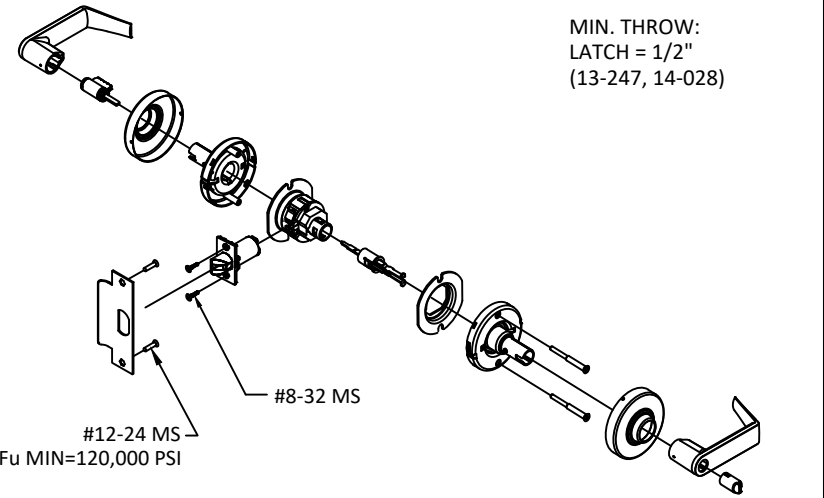
VON DUPRIN XP98, XP99, XP98-F, XP99-F
USED IN CONFIGURATIONS: 7, 8, 9 & 9A

NOTE:
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. FIRE RATING NOT PART OF THIS APPROVAL, CONSULT MANUFACTURER FOR APPROVED CONFIGURATIONS.

- 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)
TRIMS: 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.
 - FOR 2670 GUARD-X
TRIM: ALL APPLICABLE TRIMS AVAILABLE.
 - F-25-C & (F)25V SERIES - OPTIONS AE, DM, LM, KOR, MEL, EA, FSA, FSE, CD, RX, LD
TRIMS: ALL APPLICABLE TRIM AVAILABLE



VON DUPRIN SERIES 2670 GAURD-X
USED IN CONFIGURATIONS: 10 & 10A



SCHLAGE ALX & PC SERIES CYLINDRICAL LOCKSET
USED IN DOOR CONFIGURATIONS: 2 & 12 (SEE SHTS. 3 & 6)


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

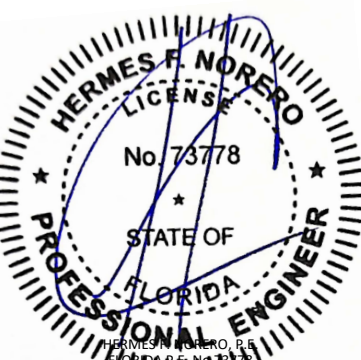
TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)
LOCKING HARDWARE

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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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

FL12400

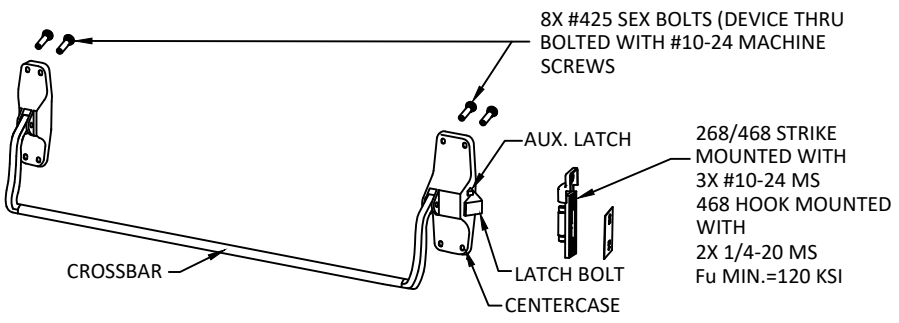
DATE: 05.04.22

DWG. BY: CPA
CHK. BY: HFN

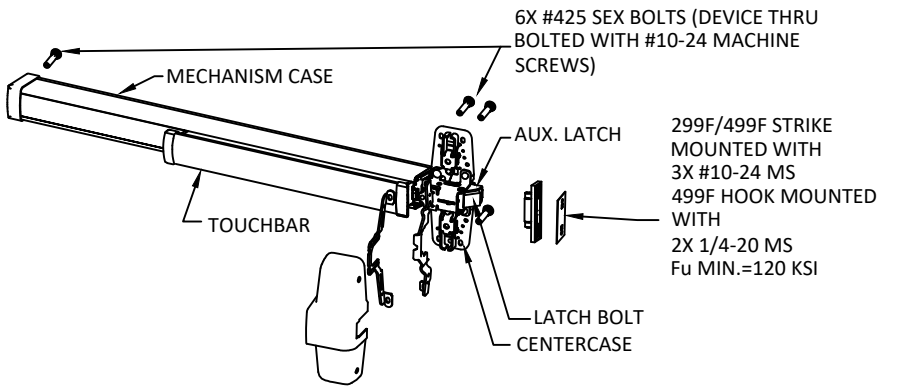
SCALE: NTS

DWG. #: IRGS07

SHEET: 23 OF 34



VON DUPRIN 88-F RIM DEVICE, USED IN CONFIGURATIONS: 7 & 8



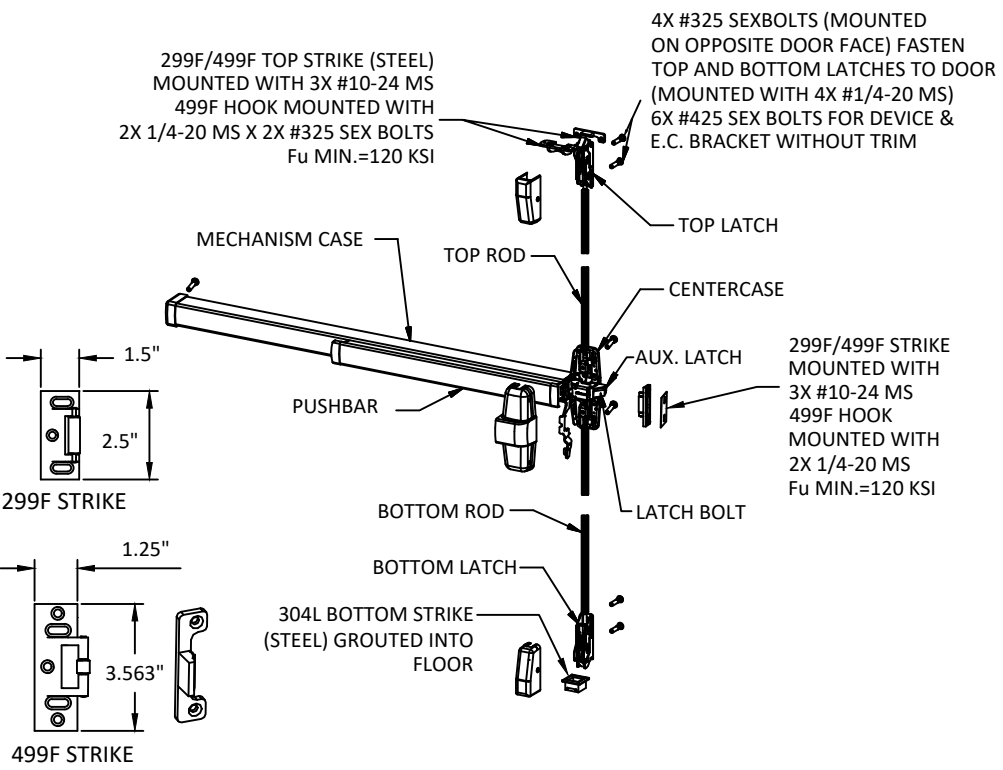
VON DUPRIN 98, 99, 98-F, 99-F, HH78 & HH78-F RIM DEVICE
USED IN CONFIGURATIONS: 7 & 8

NOTE:

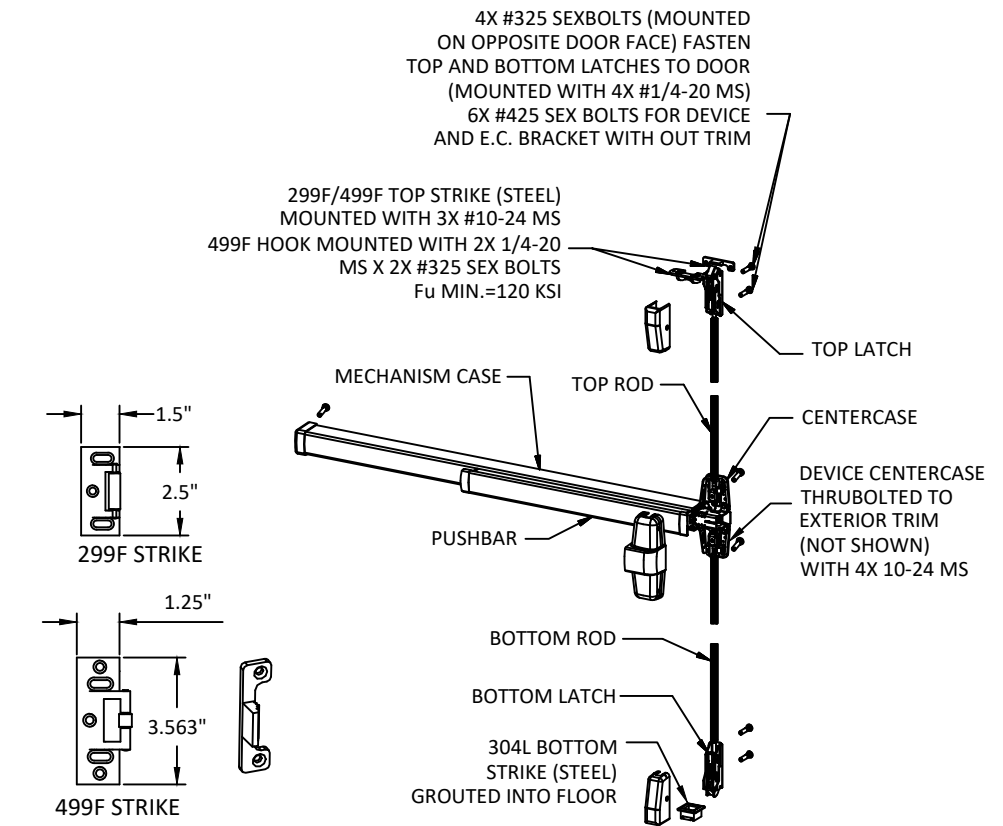
1. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY. FIRE RATING NOT PART OF THIS APPROVAL, CONSULT MANUFACTURER FOR APPROVED CONFIGURATIONS.

EXIT HARDWARE OPTIONS:

1. 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.
2. FOR 88-F SERIES - OPTIONS E; TRIM: ALL APPLICABLE TRIMS AVAILABLE. PN MODEL OFFERED.



VON DUPRIN 9857, 9957, 9857-F, 9957-F
THREE POINT EXIT DEVICE
USED IN DOOR CONFIGURATIONS: 5 & 6 (SEE SHT. 4)



499F TOP STRIKE AND HOOK REQUIRED FOR CONFIGURATION 3A

VON DUPRIN 9827, 9927, 9827-F, 9927-F, HH7827 & HH7827-F
SURFACE VERTICAL ROD EXIT DEVICE
USED IN DOOR CONFIGURATIONS: 3 (SEE SHT. 3)



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

LOCKING HARDWARE CONT.

PREPARED BY:

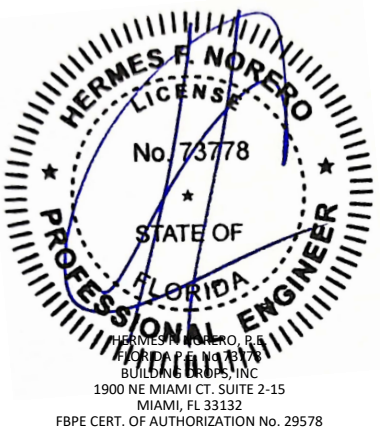
BUILDING DROPS, INC.

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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA

CHK. BY: HFN

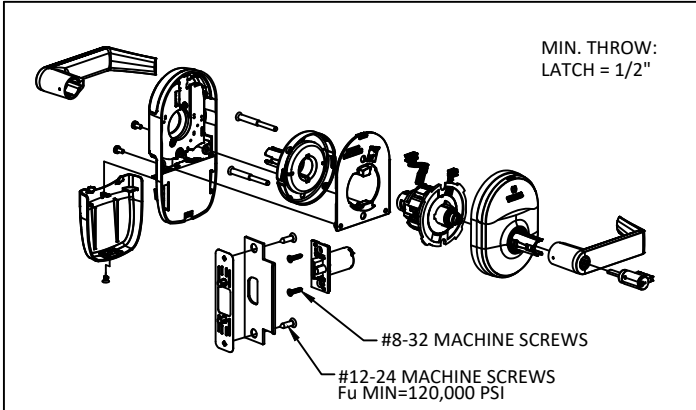
SCALE: NTS

DWG. #: IRGS07

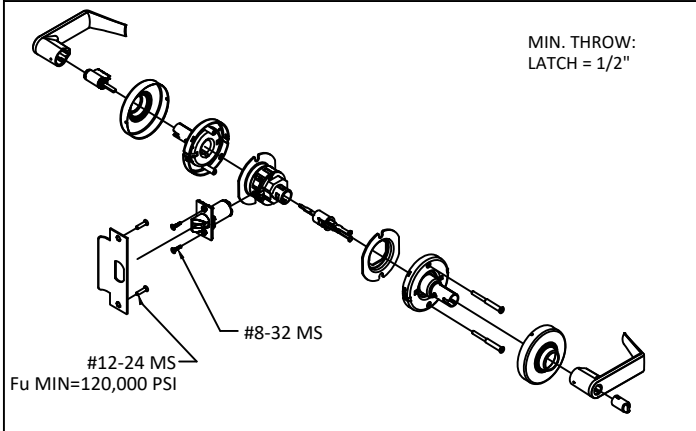
SHEET:

24

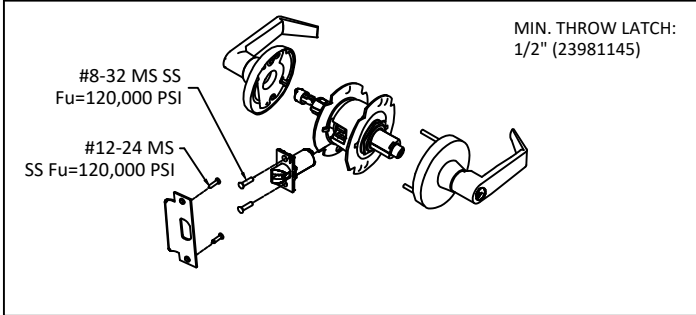
OF 34



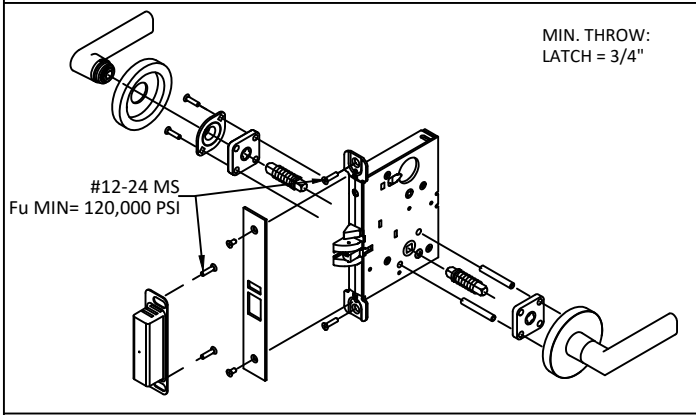
SCHLAGE NDE & NDEB SERIES CYLINDRICAL LOCKSET WITH 1/2" THROW LATCH
USED IN DOOR CONFIGURATIONS 2 & 12 (SEE SHT. 3 & 6)



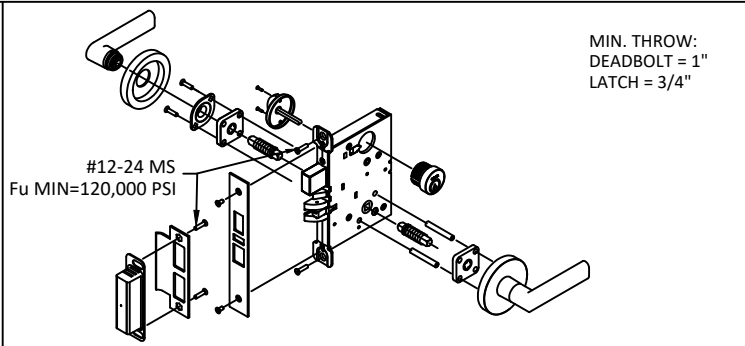
SCHLAGE D/ND-SERIES CYLINDRICAL LOCKSET
USED IN DOOR CONFIGURATIONS 2 & 12 (SEE SHTS. 3 & 6)



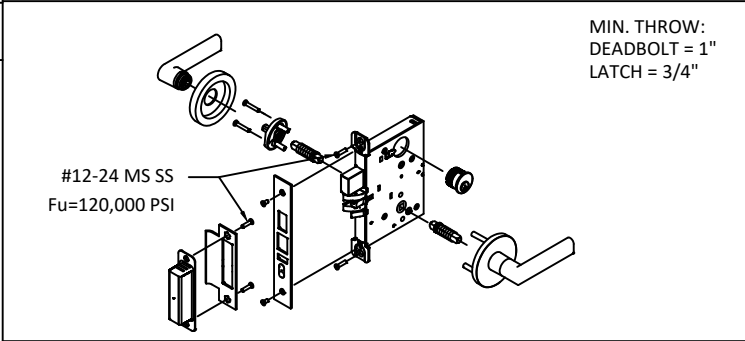
FALCON T, TM-SERIES CYLINDRICAL LOCKSET
USED IN DOOR CONFIGURATIONS 2 & 12 (SEE SHTS. 3 & 6)



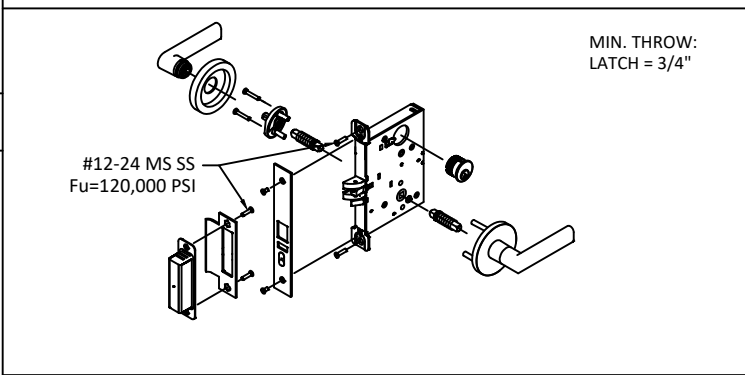
SCHLAGE L/LV 9000 & PM SERIES MORTISE LOCKSET WITHOUT DEADBOLT
USED IN DOOR CONFIGURATIONS 1 & 11 (SEE SHTS. 3 & 6)



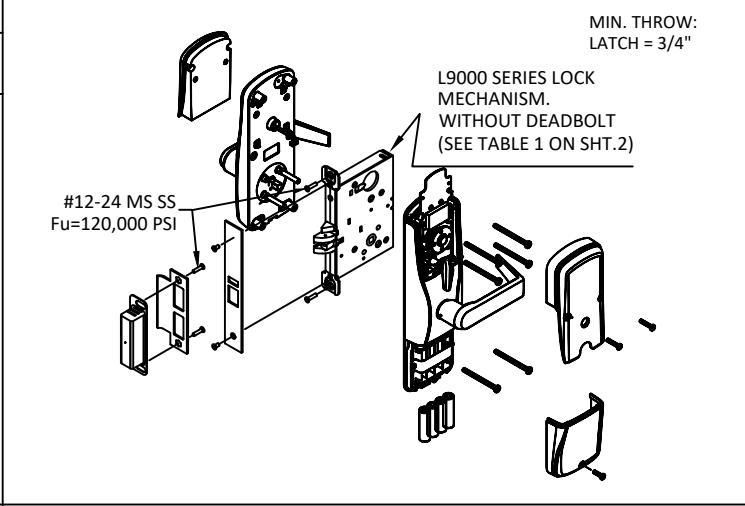
SCHLAGE L/LV 9400 & PM400 SERIES MORTISE LOCKSET WITH DEADBOLT FUNCTION
USED IN DOOR CONFIGURATIONS 1 & 11 (SEE SHTS. 3 & 6)



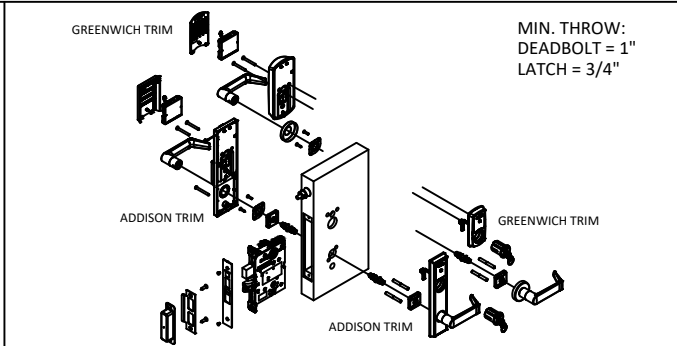
FALCON MA-SERIES MORTISE LOCKSET WITH DEADBOLT FUNCTION
USED IN DOOR CONFIGURATIONS 1 & 11 (SEE SHTS. 3 & 6)



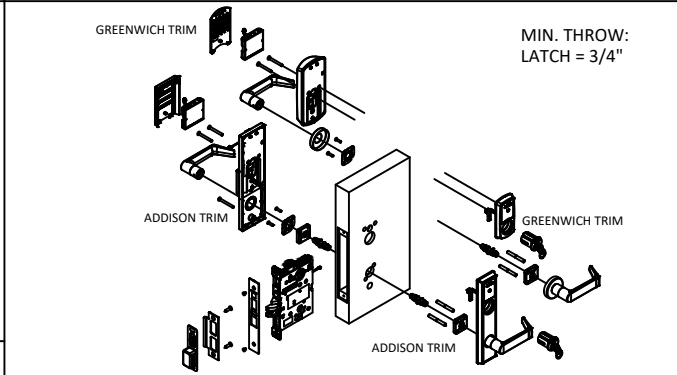
FALCON MA-SERIES MORTISE LOCKSET W/O DEADBOLT FUNCTION
USED IN DOOR CONFIGURATIONS 1 & 11 (SEE SHTS. 3 & 6)



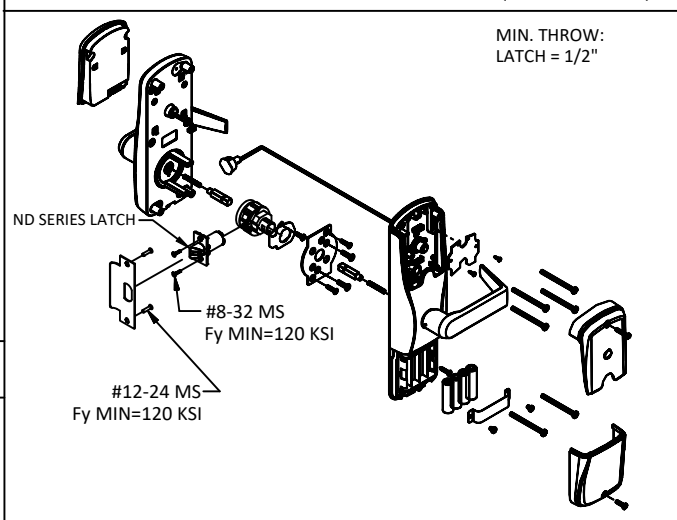
SCHLAGE AD-MS & CO-MS SERIES MORTISE LOCKSET WITHOUT DEADBOLT
USED IN DOOR CONFIGURATIONS 1 & 11 (SEE SHTS. 3 & 6)



SCHLAGE LE-MD & LEB-MD SERIES MORTISE LOCKSET WITH DEADBOLT
FUNCTION USED IN DOOR CONFIGURATIONS 1 & 11 (SEE SHTS. 3 & 6)

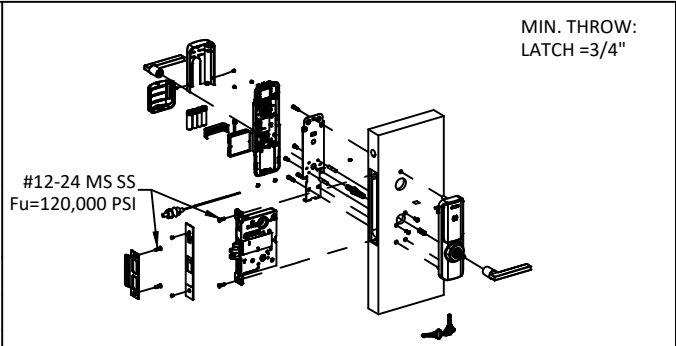


SCHLAGE LE-MS, LEB-MS, LE-MB, LEB-MB SERIES MORTISE LOCKSET W/O
DEADBOLT USED IN DOOR CONFIGURATIONS 1 & 11 (SEE SHTS. 3 & 6)

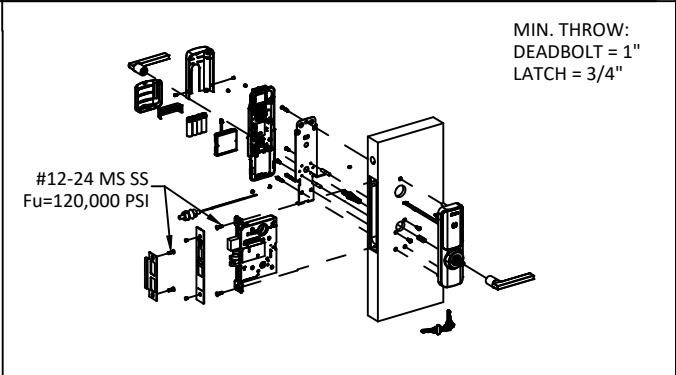


SCHLAGE AD-CY & AD-CY SERIES CYLINDRICAL LOCKSET
USED IN DOOR CONFIGURATIONS 1 & 12 (SEE SHTS. 3 & 6)

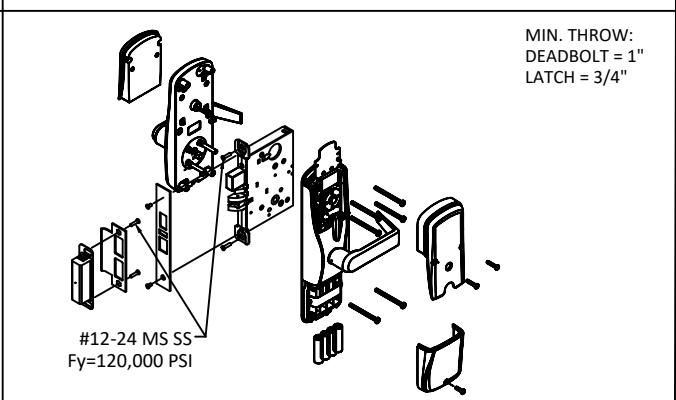
NOTE:
1. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE.
INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE
CORRESPONDING AUTHORITY. FIRE RATING NOT PART OF THIS APPROVAL, CONSULT
MANUFACTURER FOR APPROVED CONFIGURATIONS.



SCHLAGE XE360-M-B & XE360-M-I SERIES MORTISE LOCKSET W/O DEADBOLT
FUNCTION USED IN DOOR CONFIGURATIONS 1 & 11 (SEE SHTS. 3 & 6)



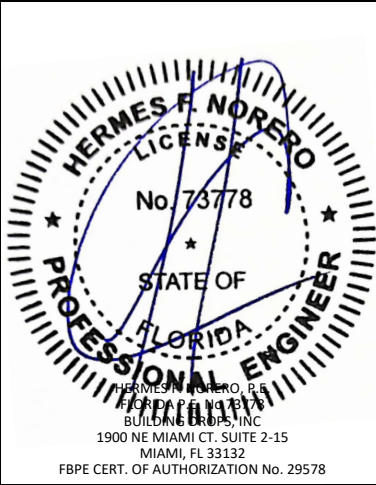
SCHLAGE XE360-M-D SERIES MORTISE LOCKSET WITH DEADBOLT
USED IN DOOR CONFIGURATIONS 1 & 11 (SEE SHTS. 3 & 6)



SCHLAGE AD-MD & CO-MD SERIES MORTISE LOCKSET W/ DEADBOLT
USED IN DOOR CONFIGURATIONS 1 & 11 (SEE SHTS. 3 & 6)

REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400	
DATE: 05.04.22	
DWG. BY: CPA	CHK. BY: HFN
SCALE: NTS	
DWG. #: IRGS07	
SHEET:	

OUTSWING SINGLE GLASS DOOR
(EXERIOR VIEW)

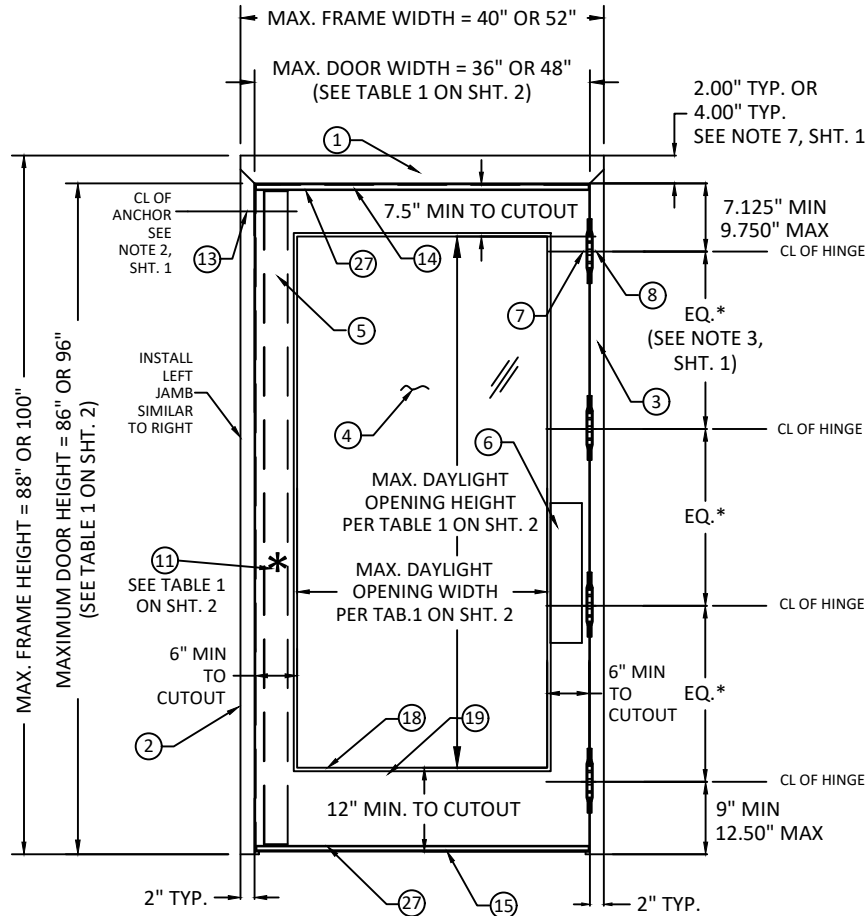


TABLE 9: (FOR OPTION 1 SEE TABLE 2 SHEET 7)

ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE	
1	1	HEAD, SEE SHT. 28	.053" MIN. STL	MAX. 52"	SEE ELEVATION ON SHTS. 3-6
2	1	STRIKE JAMB SEE SHT. 28	.053" MIN. STL	MAX. 100" HEIGHT	
3	1	HINGE JAMB, SEE SHT. 28	.053" MIN. STL	MAX. 100" HEIGHT	
4	VARIES	LEXAN BY SABIC INNOVATIVE PLASTICS	.25" OR .50"	SEE SHT. 13	
		LAMINATED GLASS WITH KURARAY SENTRYGLAS INTERLAYER	.562" TYP.		
		SUPERLITE II-XL BY SAFTI W/ KURARAY SENTRYGLAS INTERLAYER	1.06" OR 1.438" TYP.		
		5/16" HS LAMINATED GLASS WITH SAFLEX CP BY EASTMAN INTERLAYER	.3125" TYP.		
5	1	LOCK SIDE REINFORCEMENT CHANNEL	.099" MIN. STL	3.5" X 93.44" MAX.	
5A-D	1	LOCK SIDE REINFORCEMENT CHANNEL	.099" MIN. STL	3.5" X 93.44" MAX.	
6	1	HINGE SIDE PANIC REINFORCEMENT	.067" MIN. STL	MAX. 20"	
7	NOTE 3, SHT. 1	HINGE REINFORCEMENT DOOR	.167" MIN. STL	1.23" X 9.19" MIN.	
7A	NOTE 3, SHT. 1	HINGE REINFORCEMENT DOOR	.053" MIN. STL	1..67" X FULL HEIGHT-END CHNLS.	
7B	NOTE 3, SHT. 1	HINGE REINFORCEMENT DOOR	.123" MIN. STL	1.375" X 4.50" MIN.	
8	NOTE 3, SHT. 1	HINGE REINFORCEMENT FRAME	.167" MIN. STL	1.5" X 9.19" MIN.	
9	NOTE 3, SHT. 1	4.5" MIN. BUTT HINGES (SEE SHT. 22)	.134 MIN.	(8) #12-24 MS PER HINGE	
		OPTIONAL CONTINUOUS HINGE (SEE SHEET 22)	.075" MIN.STL / .110 ALUM.	MAX. 95"	
10	1	CORE MATERIAL(SEE SHT. 10):			
		D) HONEYCOMB C) STEEL STIFFENED			
		A&F) POLYSTYRENE B&F) POLYURETHANE/POLYISOCYANURATE			
		E) MINERAL BOARD TEMPERATURE RISE CORE			
11	1	LOCKING HARDWARE - SEE TABLE 1, SHT. 2 AND SHTS. 23-25			
12	1	THRESHOLD SILL W/BUMPER GASKET			
		12A) 566 ZERO WATER RATED, SHT. 20, NON WATER SHT. 21	.125" ALUM. 6063 T5	5.0" X 0.5" X 48" MAX	
		12B) 950A NGP WATER RATED SHT. 20, NON WATER SHT. 21	.078" ALUM. 6063 T5		
		12C) 65 ZERO NON WATER RATED SEE SHT. 21	0.125" ALUM. 6063 T5	6.0" X 0.5" X 48" MAX.	
12D) 568 ZERO NON WATER RATED SEE SHT. 21	0.125" ALUM. 6063 T5				
13	NOTE 2, SHT. 1	JAMB ANCHOR	SEE SHTS. 29-33	-	
14	SEE SHT. 21	14A) PS074 DOOR SEAL	TPE	MAX 20'	
		14B) 188S, 14C) 117S, 14D)8144S, 14E)8150S, DOOR SEAL ZERO	SILICONE		
15	1	FAS-SEAL DOOR SWEEP SEE SHTS. 20 & 21	TPE	MAX. 48"	
16	-	-	-	-	
17	AS NEEDED	CAULK - BUTYL RUBBER OR SILICONE	SEE SHTS. 20 & 21	-	
18	VARIES	GLAZING HOLDING TRIM SEE SHT. 13 & 13A		0.032" MIN. STL.	34.25" X 74.5" EXPOSED GLASS MAX
		A) DESIGNER TRIM			
		B) STEEL OVERLAPPING TRIM			
		F) STEEL OVERLAPPING TRIM			
		E) HIGH SECURITY VISION FRAME	SG-10 BY ANEMOSTAT	.093" (12GA) MIN. STL.	
			VLF-S10 BY AIR LOUVERS	.123" (10GA) MIN. STL.	
		D) VLF-EZHRC		.032" MIN. STL.	
C) VLF IGHRC					
19	NOTE 17, SHT. 1	CUTOUT REINFORCEMENT CHANNEL (18GA)		.047" MIN. STL	0.5" MIN. X 1.66" X 35.5" & 75.5" MAX.
20	1	DOOR SLAB (16 OR 14 GA)		SEE SHT. 10	4' BY 8' MAX
21	1	21A) 8150S DOOR SEAL BY ZERO INT'L		SILICONE SEE SHT. 20	MAX 20'
		21B) 188S DOOR SEAL BY ZERO INT'L		TPE SEE SHT. 20	
22	2	202N DOOR SWEEP BY NGP		TPE SEE SHT. 20	MAX 84" OR 96"
23	1	23A) 139 DPPR SWEEP BY ZERO INT'L		SEE SHT. 20	MAX. 36" OR 48"
		23B) 328 DOOR SWEEP BY ZERO INT'L			
		23C) 200N DOOR SWEEP BY NGP			
24	3	24A) 475 ADJUSTABLE SEAL BY ZERO INT'L		TPE SEE SHT. 20	MAX 84" OR 52" FOR JAMB MAX 36" OR 48" FOR HEAD
	1	24B) 170N ADJUSTABLE SEAL BY NGP			
25	1	25A) 142 RAIN DRIP BY ZERO INT'L		SEE SHT. 20	MAX 40" OR 52" FOR HEAD MAX 36" OR 48" FOR DOOR
		25B) 11 RAIN DRIP BY ZERO INT'L			
		25C) 16A RAIN DRIP BY NGP			
26	2	EDEG CHANEL REINFORCEMENT (16 GA.)		.053" MIN. STL	.62" X 1.677"
27	2	END CHANNEL REINFORCEMENT (16 GA. - INVERTED OR FLUSH)		.053" MIN. STL	.62" X 1.677"



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

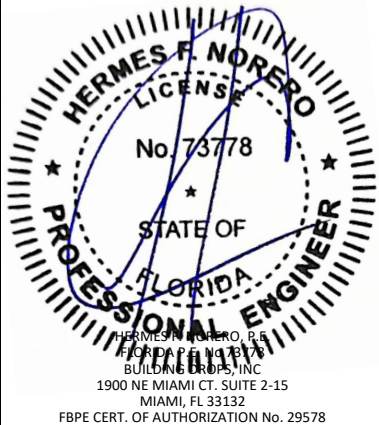
TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)
REPUBLIC DOORS: OPENING
DIMENSIONS & BOM

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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE:	05.04.22
DWG. BY:	CPA
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	IRGS07
SHEET:	

26



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

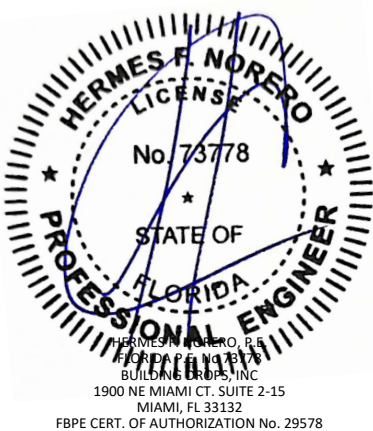
REPUBLIC DOORS: SILL &
REINFORCEMENT DETAILS

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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA

CHK. BY: HFN

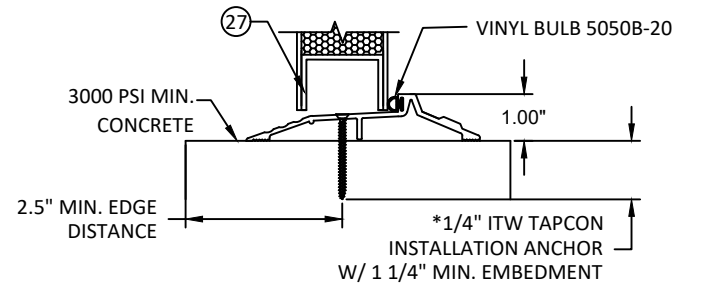
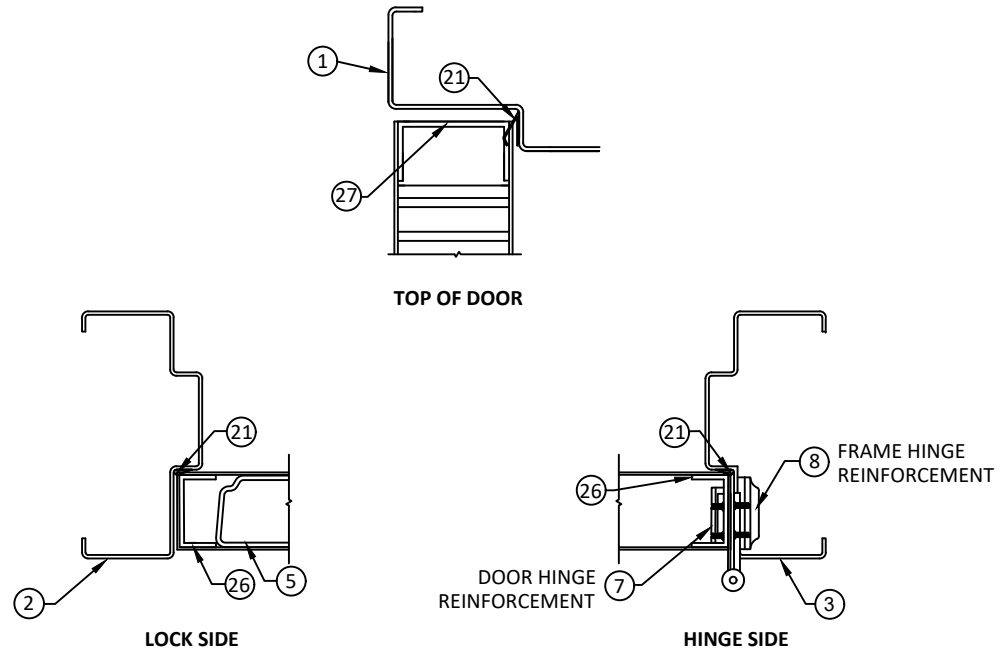
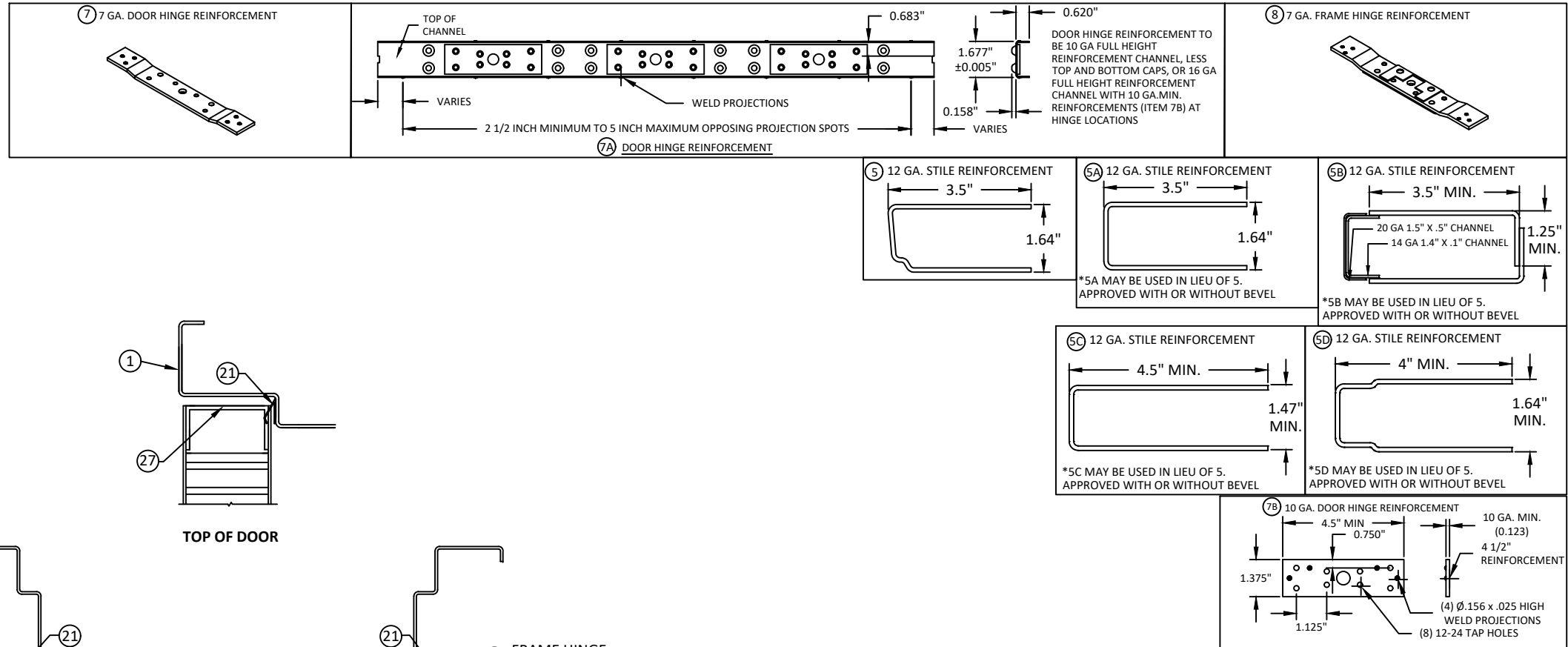
SCALE: NTS

DWG. #: IRGS07

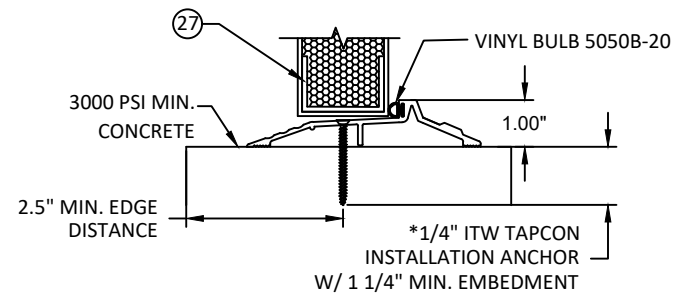
SHEET:

27

OF 34

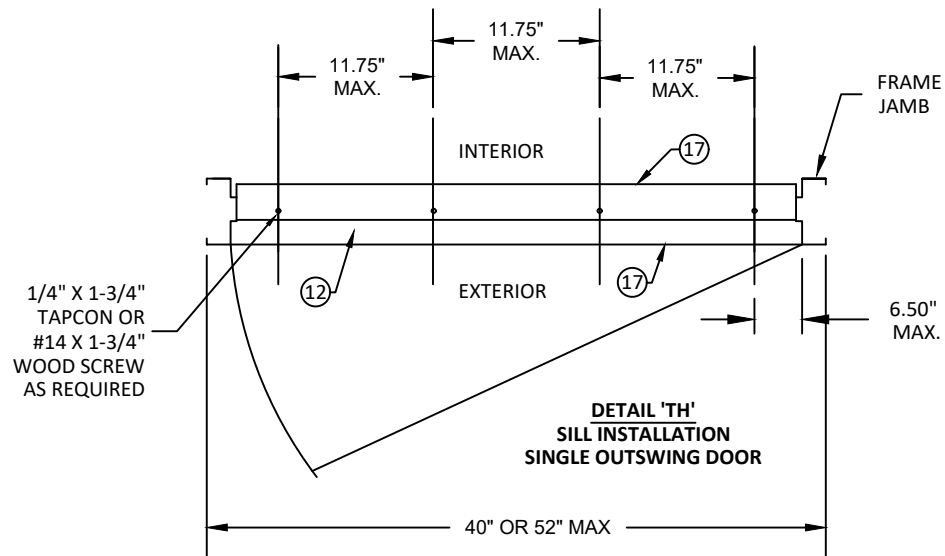


OPTIONAL THRESHOLD DETAIL (SILL) WITH INVERTED BOTTOM RAIL



OPTIONAL THRESHOLD DETAIL (SILL) WITH FLUSH BOTTOM RAIL

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



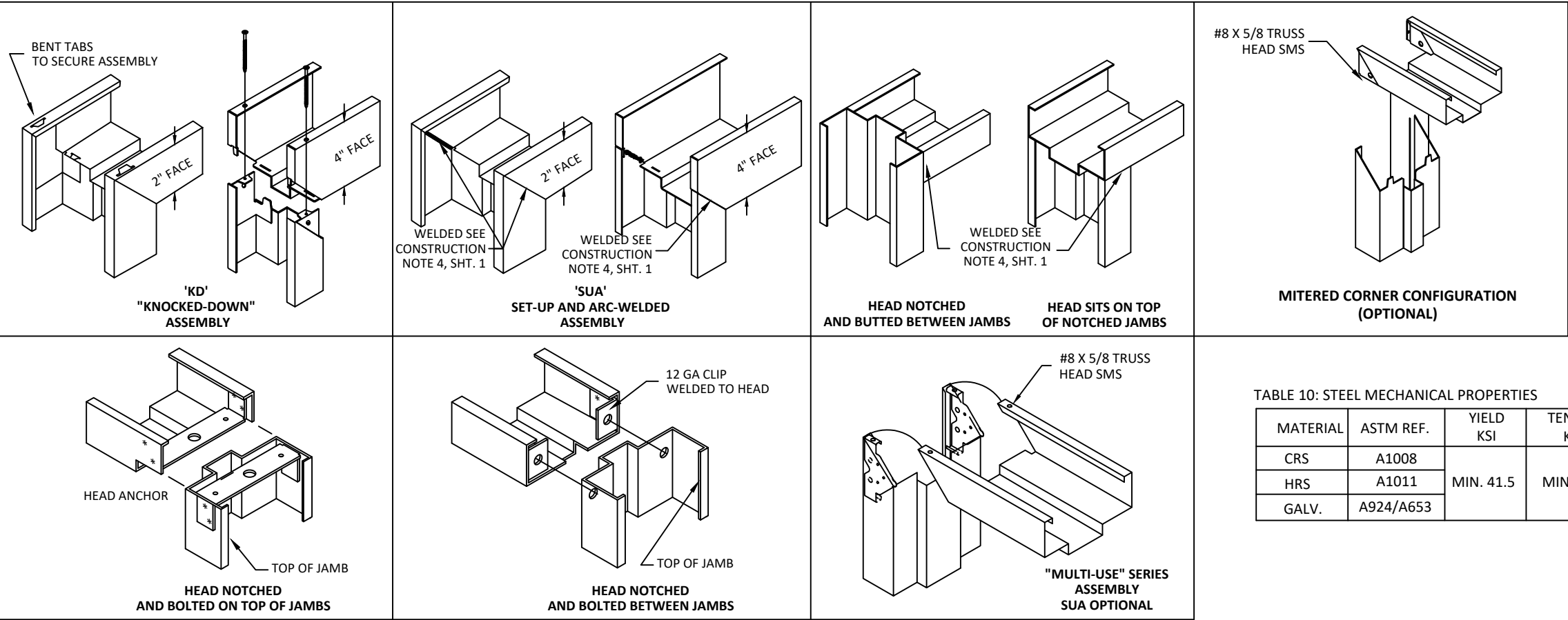


TABLE 10: STEEL MECHANICAL PROPERTIES

MATERIAL	ASTM REF.	YIELD KSI	TENSILE KSI
CRS	A1008	MIN. 41.5	MIN. 52.4
HRS	A1011		
GALV.	A924/A653		

TABLE 11: AVAILABLE REPUBLIC DOOR CONFIGURATIONS

REPUBLIC DOOR SERIES	DOOR CORE MATERIAL PER SHT. 10	MAXIMUM OPENING SIZE		SKIN MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
DL	HONEYCOMB POLYSTYRENE POLYURETHANE (POLYISOCYANURATE) TEMPERATURE RISE STEEL STIFFENED	4'-0"	8'-0"	CRS. GALV.	16/.053"
DE		4'-0"	8'-0"	CRS. GALV.	16/.053" 14/.067"

TABLE 12: AVAILABLE REPUBLIC FRAME CONFIGURATIONS

REPUBLIC FRAME SERIES	JAMB DEPTH	MAXIMUM OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
ME/SE	5.75" MIN.	4'-0"	8'-0"	CRS/HRS GALV	16/.053" 14/.067"
SE	5.75" MIN.	4'-0"	8'-0"	CRS/HRS GALV	12/.093"

- NOTES:
- FRAME CONSTRUCTION
 - 1.1 MINIMUM JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"
 - 1.2 FRAMES AVAILABLE AS FLUSH AND MULTI-USE (SEE TABLE 11)
 2. FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 10.



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

REPUBLIC DOORS: FRAME DETAILS
& CORNER CONSTRUCTION

PREPARED BY:

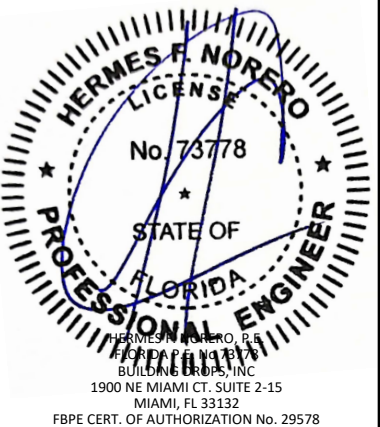
BUILDING DROPS, INC.

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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA

CHK. BY: HFN

SCALE: NTS

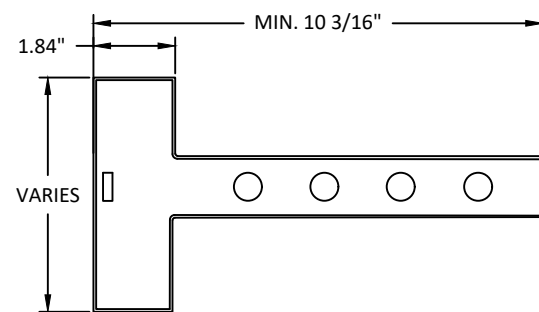
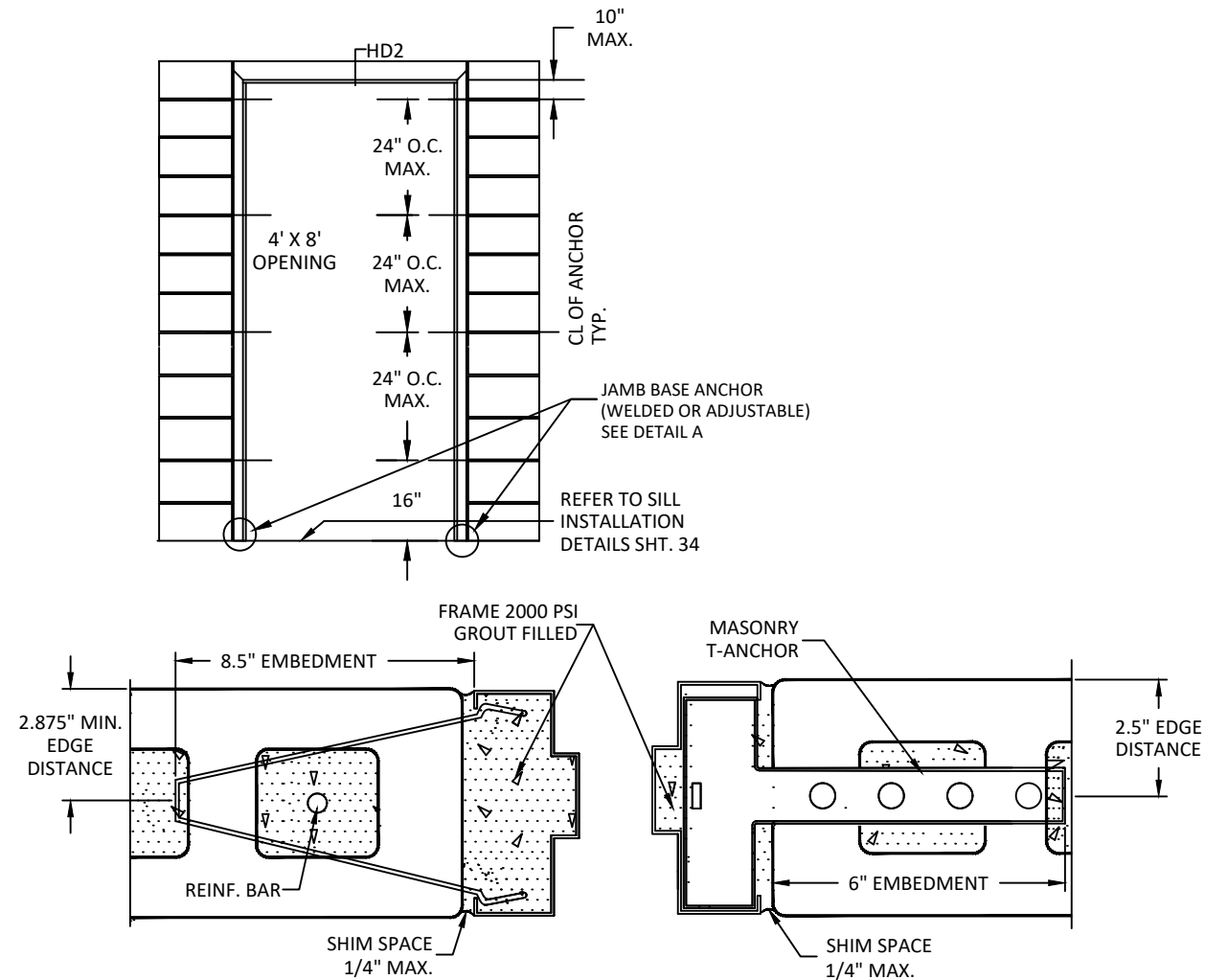
DWG. #: IRGS07

SHEET:

28

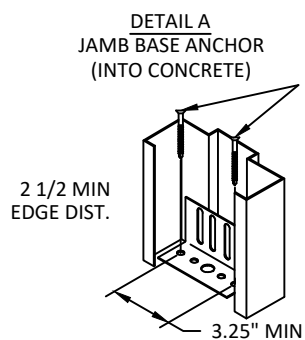
1

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

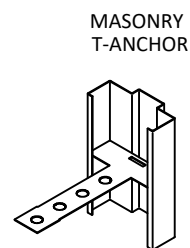


NOTES:

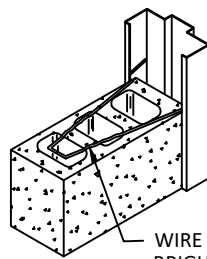
1. (*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF, AND 416#/FT. FOR ASSEMBLIES RATED @100 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
4. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL
5. THE INSTALLATION DETAILS DESCRIBED HEREIN 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 DRAWINGS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.



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



MASONRY BLOCK WALLS
CMU (C-90) 2000 PSI GROUT FILLED

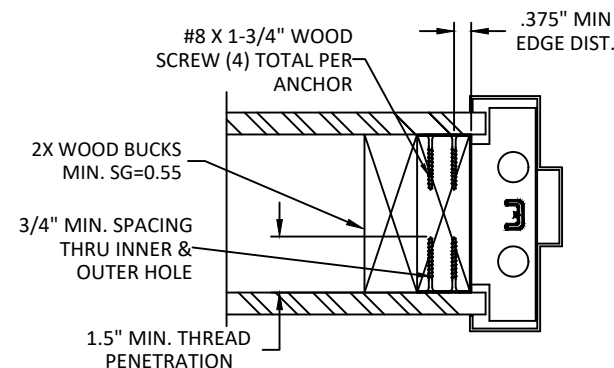
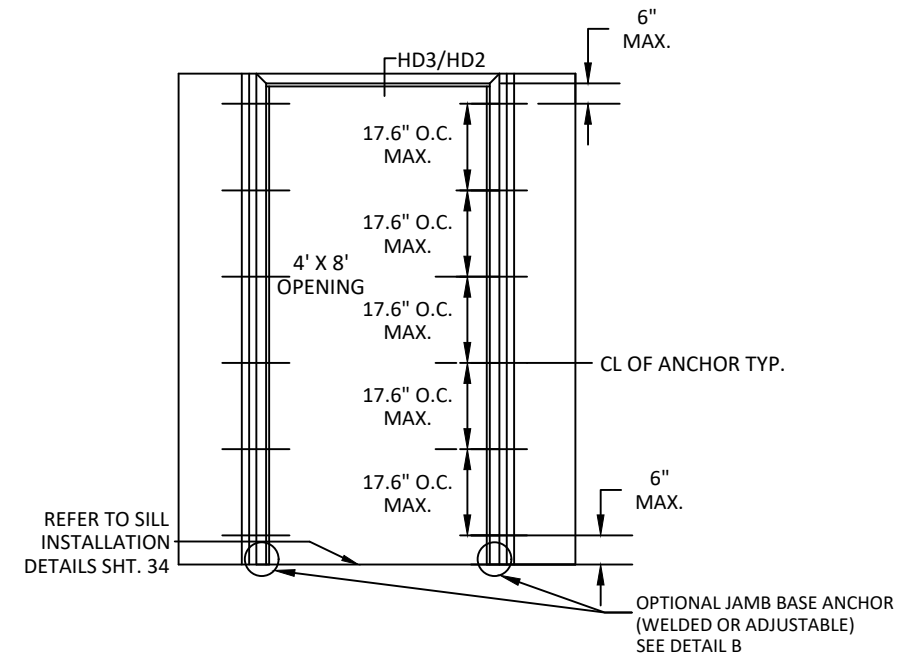


WIRE ANCHOR Ø3/16" BRIGHT BASIC WIRE
5.19" X 9.56"
WIRE MASONRY ANCHOR
Fultim MIN.=58 KSI
Fy MIN.=36 KSI

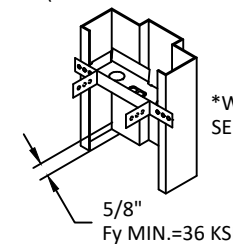
2

WOOD STUD ANCHOR

SEE PAGE 14 FOR OPTION 1
ANCHOR DETAILS

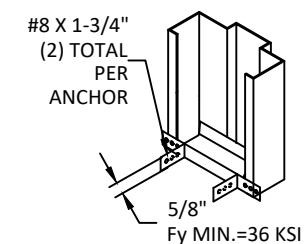


WOOD STUD OR UNIVERSAL ANCHOR
(LOCK-IN OR WELD-IN)



*WOOD STUD WALLS
SEE NOTE 12, SHT. 1

DETAIL B
JAMB BASE ANCHOR
(WELDED OR ADJUSTABLE)



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

REPUBLIC DOORS: ANCHORS - WIRE OR T
MASONRY ANCHOR & WOOD STUD

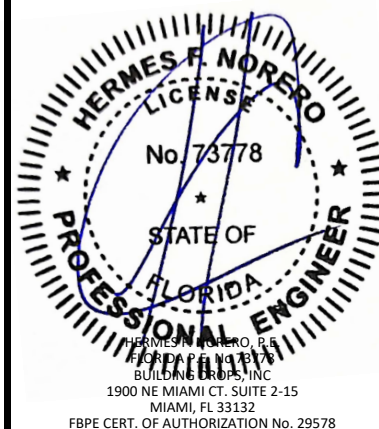
PREPARED BY: BUILDING DROPS, INC.

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



REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA

CHK. BY: HFN

SCALE: NTS

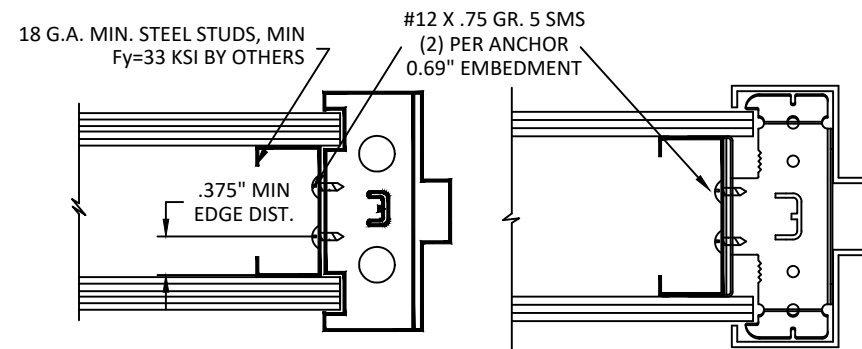
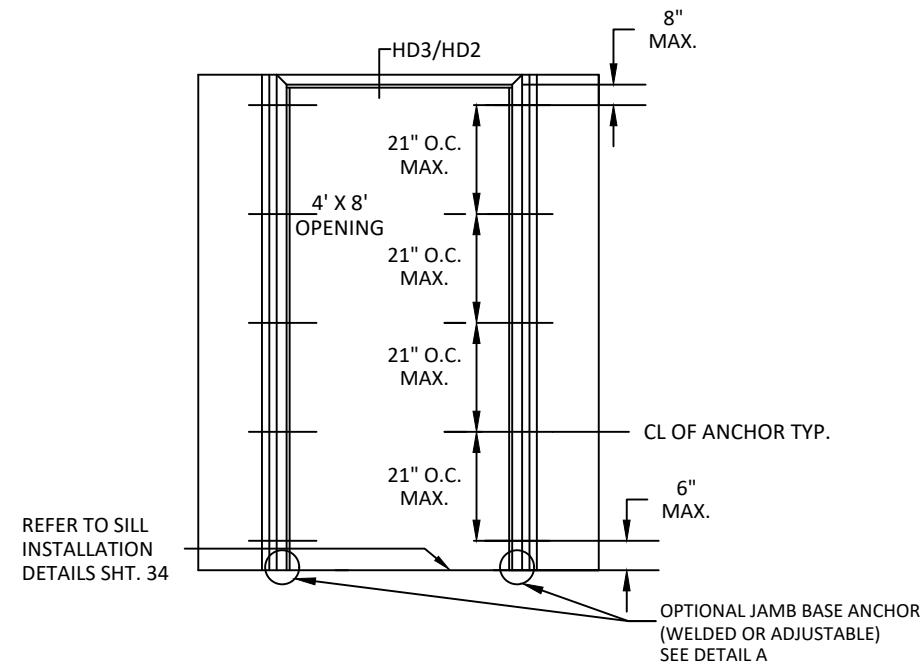
DWG. #: IRGS07

SHEET:

29

OF 34

3 STEEL STUD ANCHOR

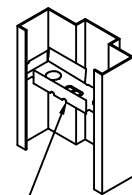


4 PREPARED OPENING ANCHOR (POA) INTO CONCRETE WALL OR CMU

SEE PAGE 15 FOR OPTION 1 ANCHOR DETAILS

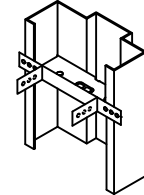
STEEL STUD ANCHOR WELD-IN OR LOCK-IN

UNIVERSAL ANCHOR WELD-IN OR LOCK-IN



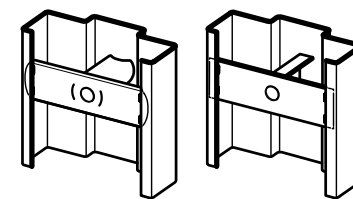
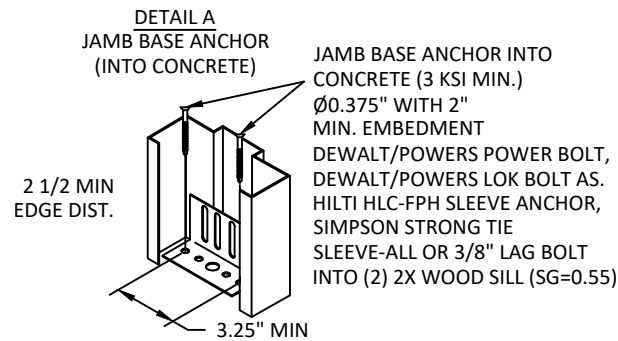
*STEEL STUD WALLS SEE NOTE 12, SHT. 1

Fy MIN.=36 KSI

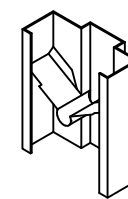


NOTES:

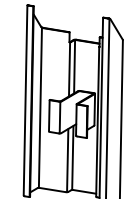
- 1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF,AND 416#/FT. FOR ASSEMBLIES RATED @100 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
- 2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
- 3.SEALED JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
- 4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL
- 5.THE INSTALLATION DETAILS DESCRIBED HEREIN 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 DRAWINGS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.



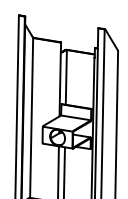
TUBE/CHANNEL & PLATE BOLT-IN



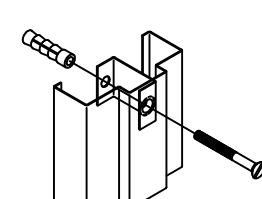
LOCK-IN



POA ANCHOR



WELD-IN



POA ANCHOR



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

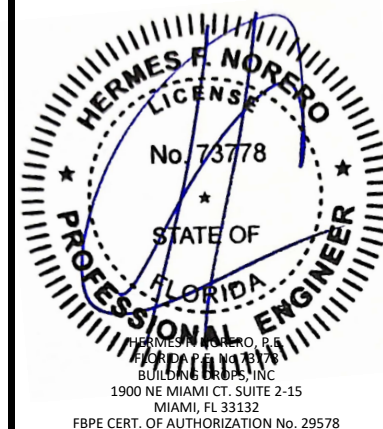
REPUBLIC DOORS: ANCHORS - STEEL STUD
& EMAIN TO CONCRETE WALL OR CMU

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



REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA

CHK. BY: HFN

SCALE: NTS

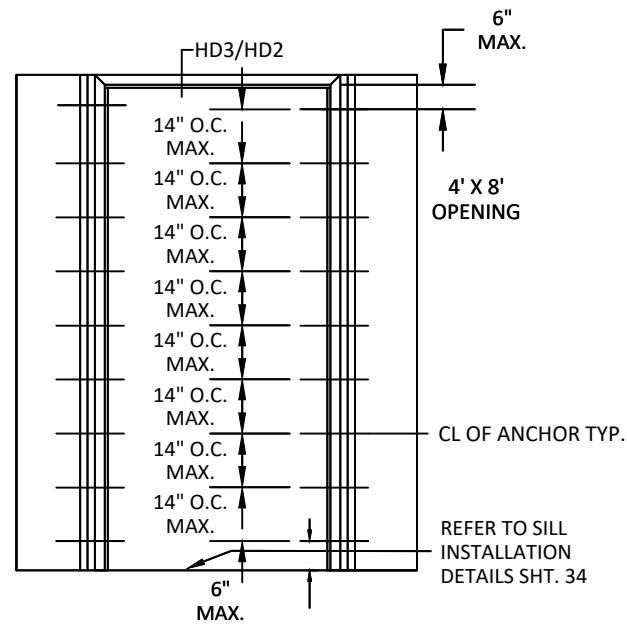
DWG. #: IRGS07

SHEET:

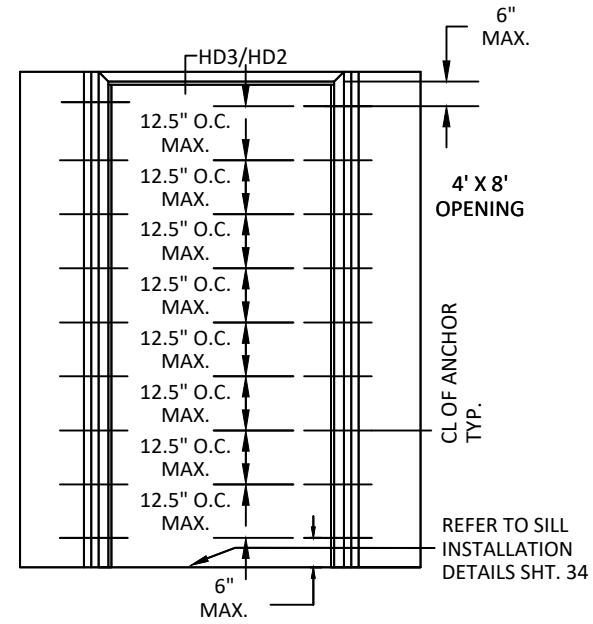
30

OF 34

5 PREPARED OPENING ANCHOR (POA)
WITH LAG BOLT INTO WOOD STUD WALL
UP TO 70 PSF

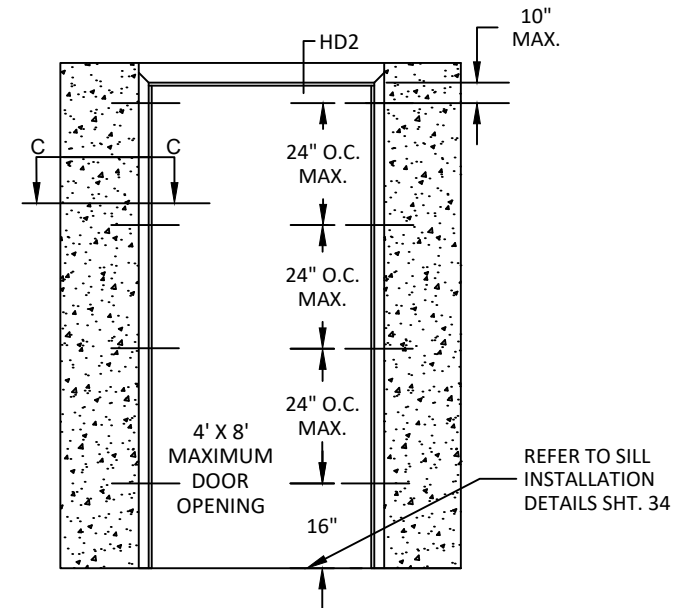


5A PREPARED OPENING ANCHOR (POA)
WITH LAG BOLT INTO WOOD STUD WALL

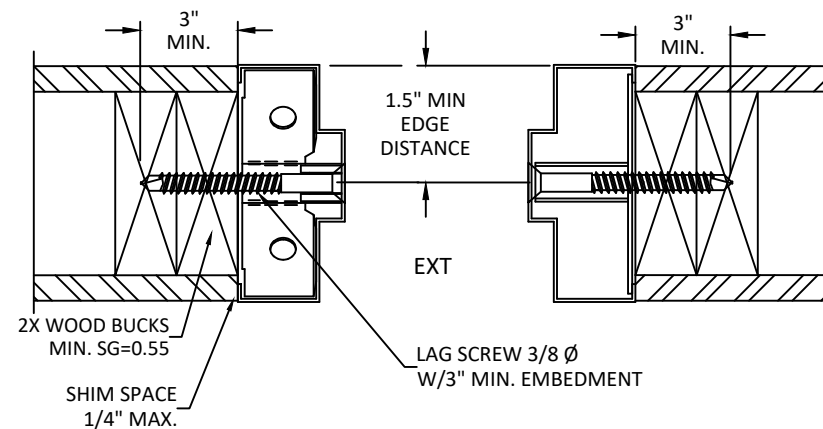
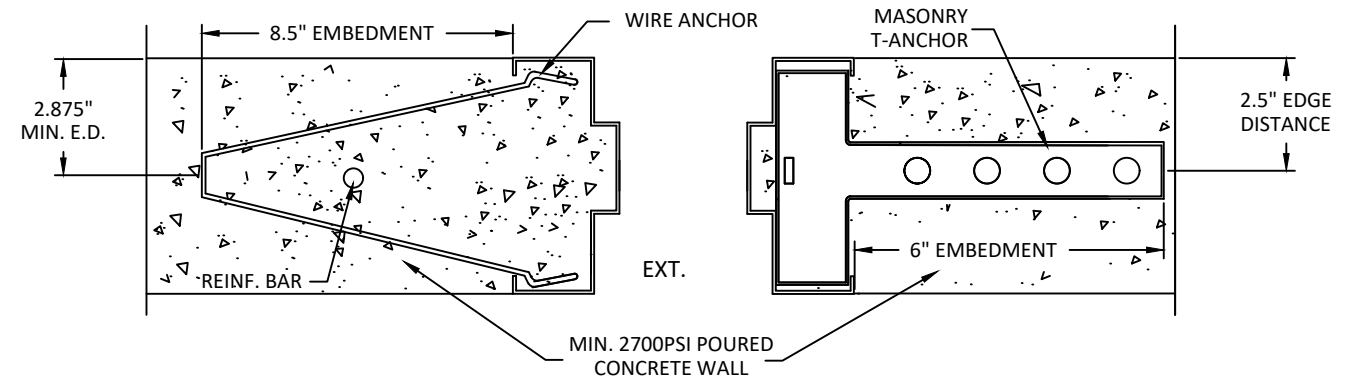


6 POURED CONCRETE
TILT UP WALL

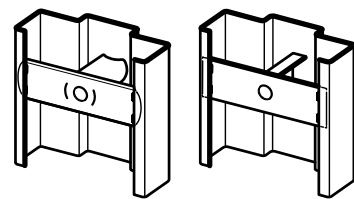
SEE PAGE 16 FOR OPTION
1 ANCHOR DETAILS



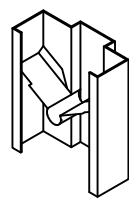
CROSS-SECTION C - C
POURED CONCRETE OPTION



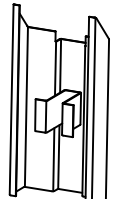
*WOOD STUD WALLS
SEE NOTE 12, SHT. 1



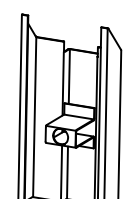
TUBE/CHANNEL &
PLATE BOLT-IN



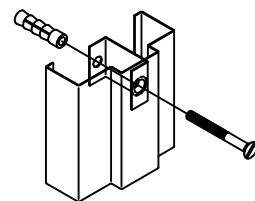
LOCK-IN



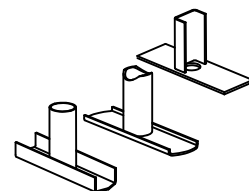
POA ANCHOR



WELD-IN



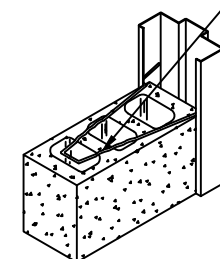
POA ANCHOR



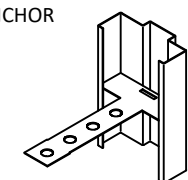
TUBE & PLATE
WELD-IN EMA
ANCHOR

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

MASONRY BLOCK WALLS
CMU (C-90) 2000 PSI
GROUT FILLED



WIRE ANCHOR Ø3/16"
BRIGHT BASIC WIRE
5.19" X 9.56"
WIRE MASONRY ANCHOR
Fultim MIN.=58 KSI
Fy MIN.=36 KSI



MASONRY
T-ANCHOR



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

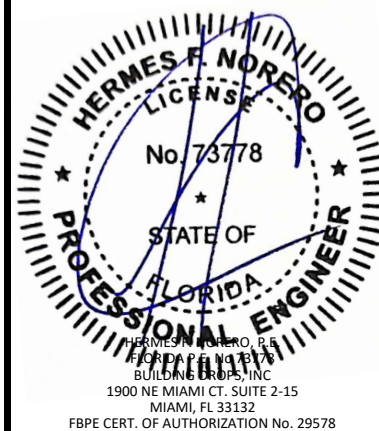
TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)
REPUBLIC DOORS: ANCHORS - EMA W/
LAG BOLT IN WOOD STUD WALL
& POURED CONCRETE TILT UP WALL

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



REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA
CHK. BY: HFN

SCALE: NTS

DWG. #: IRGS07

SHEET:

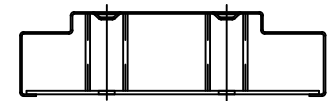
31

OF 34

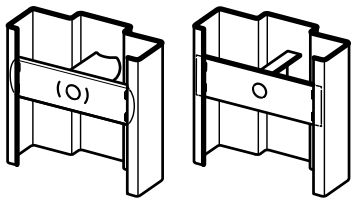
NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND
STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD
FOR ASSEMBLIES RATED @75 PSF,AND 416#/FT. FOR ASSEMBLIES RATED
@100 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY
MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3.SEALE ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR
SILICONE CAULK
4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK
FULL LENGTH OF SILL
5.THE INSTALLATION DETAILS DESCRIBED HEREIN 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 DRAWINGS FOR REVIEW AND APPROVAL BY
THE LOCAL AHJ.

7 FRAMES BOLTED TO BUILDING STRUCTURE

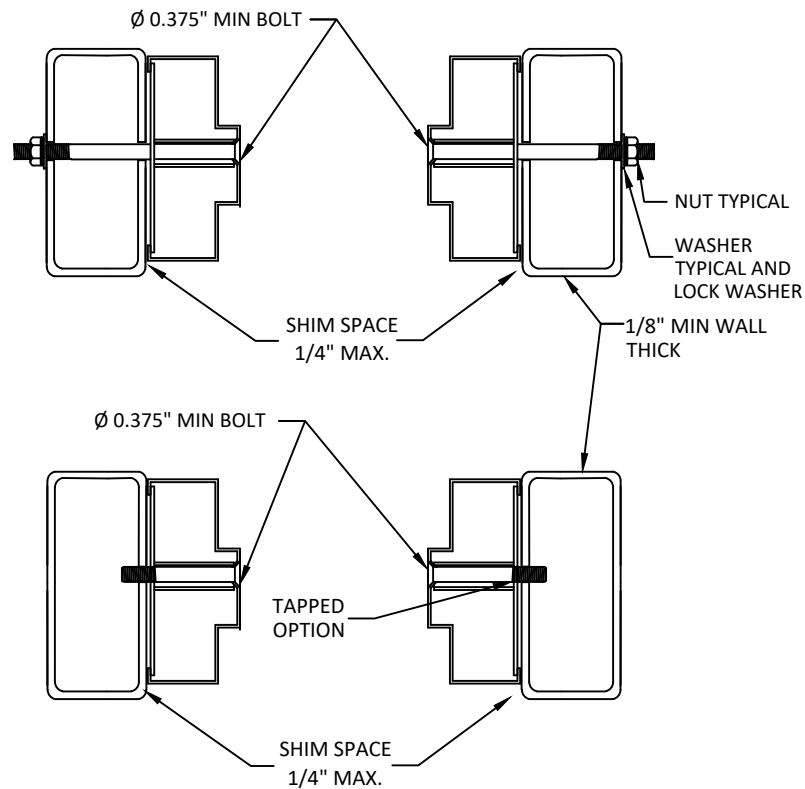
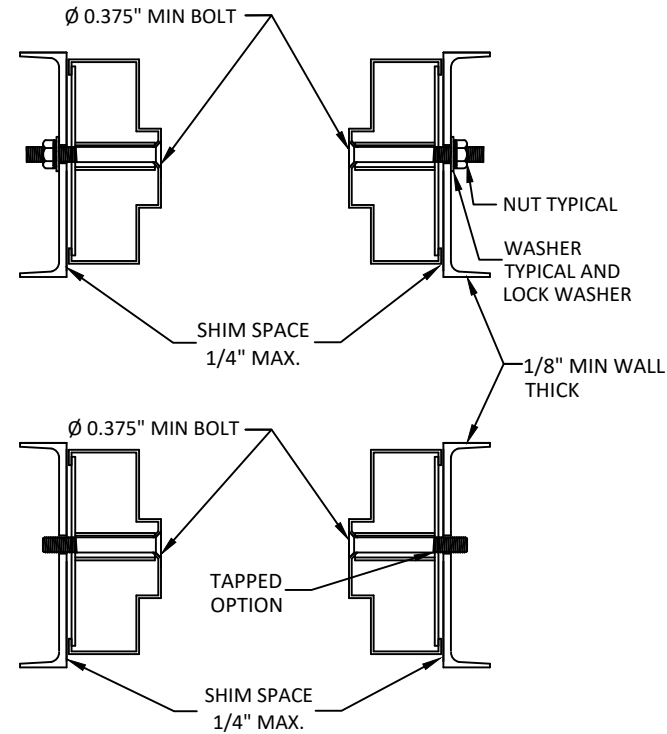
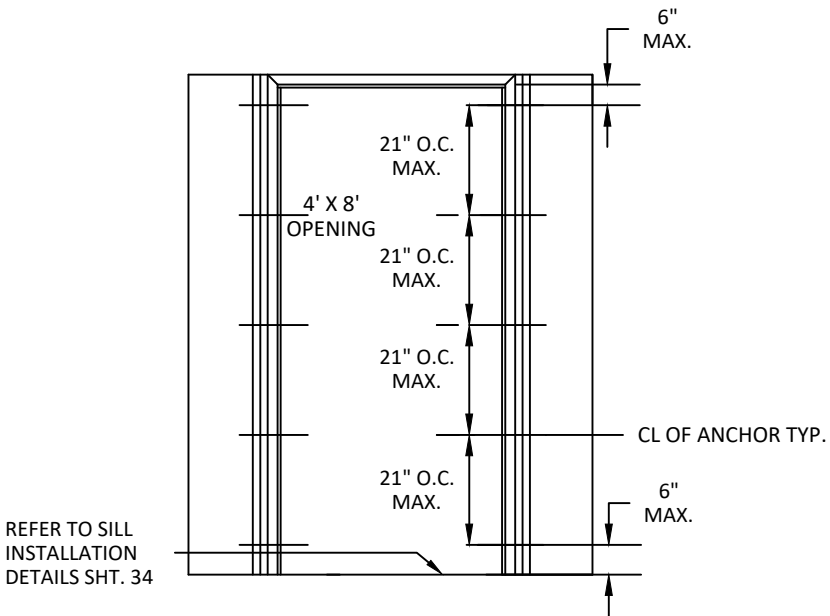
SEE PAGE 17 FOR OPTION 1 ANCHOR DETAILS



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



TUBE/CHANNEL &
PLATE BOLT-IN



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

NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND
STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD
FOR ASSEMBLIES RATED @75 PSF,AND 416#/FT. FOR ASSEMBLIES RATED
@100 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY
MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3.SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR
SILICONE CAULK
4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK
FULL LENGTH OF SILL
5.THE INSTALLATION DETAILS DESCRIBED HEREIN 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 DRAWINGS FOR REVIEW AND APPROVAL BY
THE LOCAL AHJ.



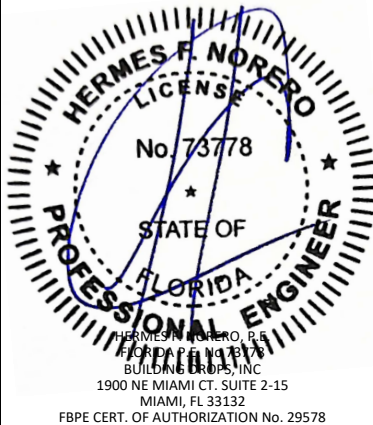
ALLEGION - SCHLAGE LOCK COMPANY, LLC.
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)
REPUBLIC DOORS: ANCHORS - FRAMES
BOLTED TO BUILDING STRUCTURE

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

REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



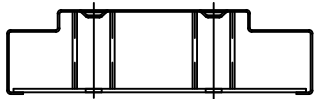
FL12400	
DATE: 05.04.22	
DWG. BY: CPA	CHK. BY: HFN
SCALE: NTS	
DWG. #: IRGS07	
SHEET:	

32

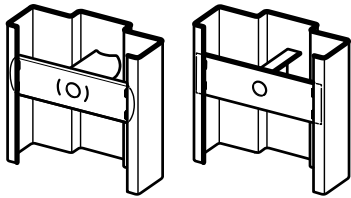
8

WELDED ANCHOR
SHIM OR STEEL BUILDING
STRUCTURE

SEE PAGE 18 FOR OPTION
1 ANCHOR DETAILS

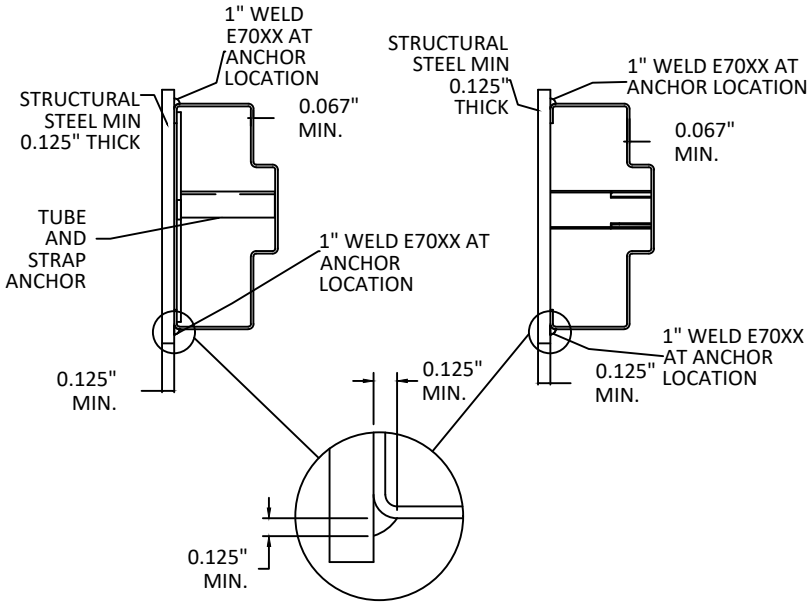
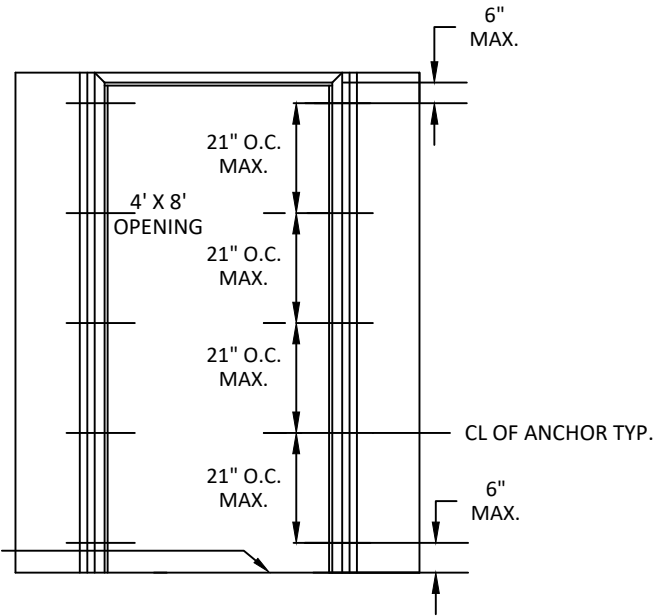


9 1/4" JAMB DEPTH AND ABOVE
REQUIRES 2 ANCHOR BOLTS



TUBE/CHANNEL &
PLATE BOLT-IN

REFER TO SILL
INSTALLATION
DETAILS SHT. 34



NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF,AND 416#/FT. FOR ASSEMBLIES RATED @100 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3.SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL
5.THE INSTALLATION DETAILS DESCRIBED HEREIN 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 DRAWINGS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

REPUBLIC DOORS: ANCHORS - FRAMES
WELDED TO STEEL STRUCTURE BUILDING

PREPARED BY:

BUILDING DROPS, INC.

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



REMARKS	BY	DATE
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY:
CPA

CHK. BY:
HFN

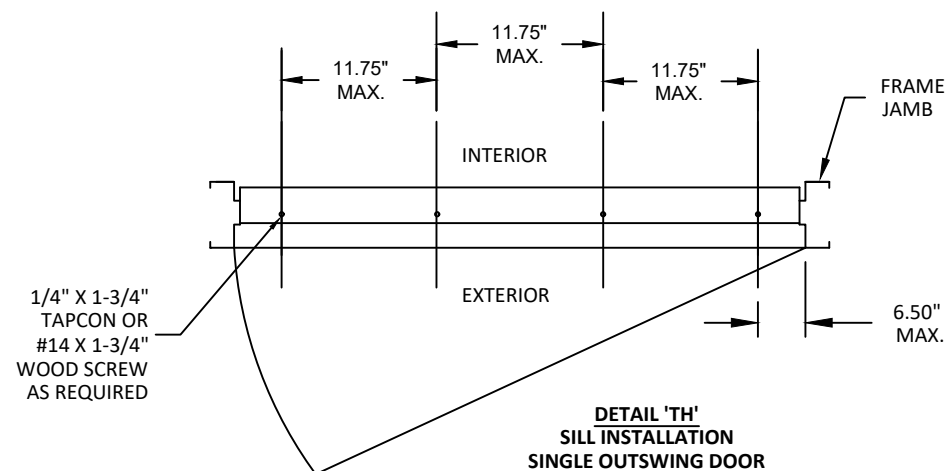
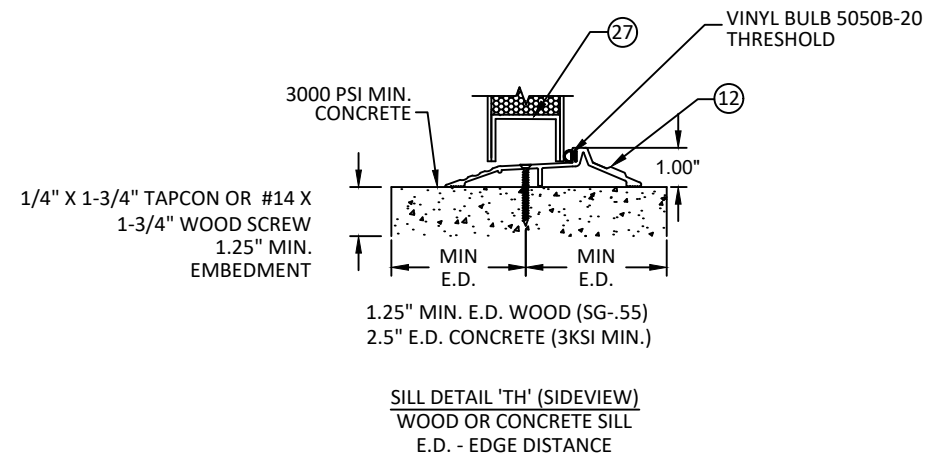
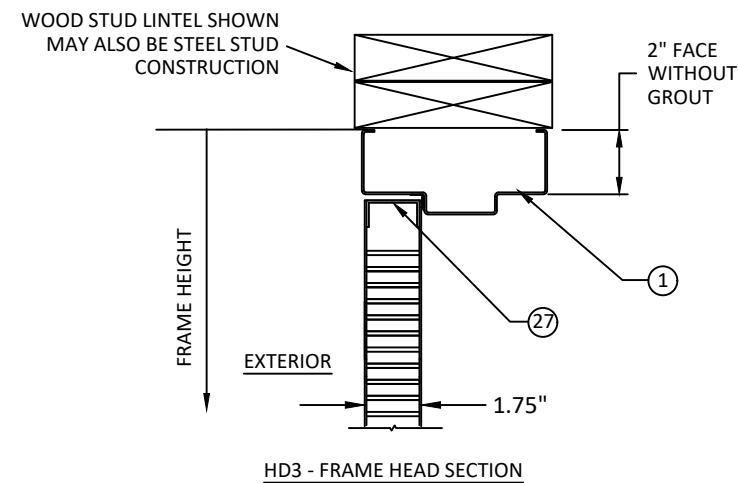
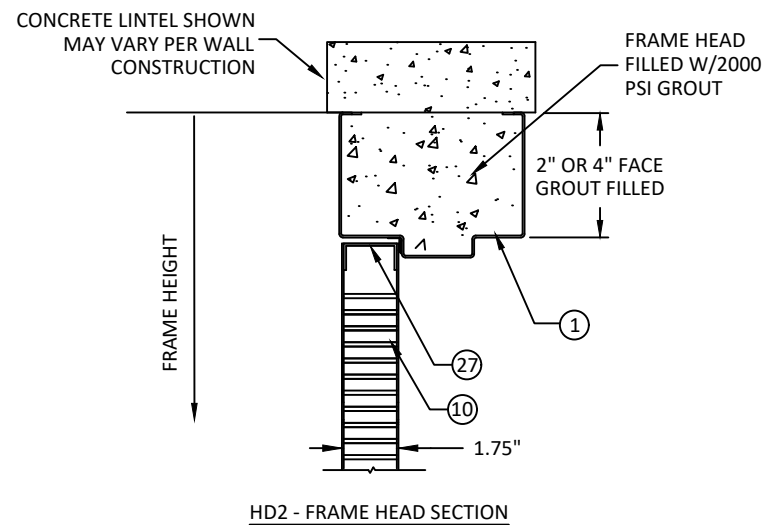
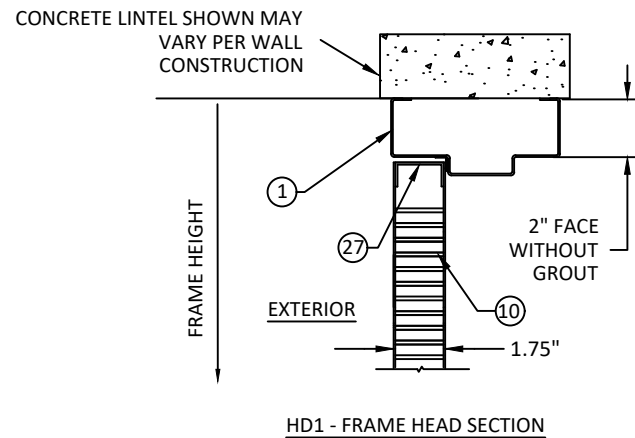
SCALE: NTS

DWG. #: IRGS07

SHEET:

33

OF 34



NOTES:

- 1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF, AND 416#/FT. FOR ASSEMBLIES RATED @100 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
- 2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
- 3.SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
- 4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL
- 5.THE INSTALLATION DETAILS DESCRIBED HEREIN 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 DRAWINGS FOR REVIEW AND APPROVAL BY THE LOCAL AHJ.

SEE PAGE 19 FOR OPTION 1 ANCHOR DETAILS



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

TITLE: OUTSWING SINGLE GLAZED
COMMERCIAL STEEL DOORS
(HVHZ)(IMPACT)

REPUBLIC DOORS: FRAME HEAD
& SILL DETAILS

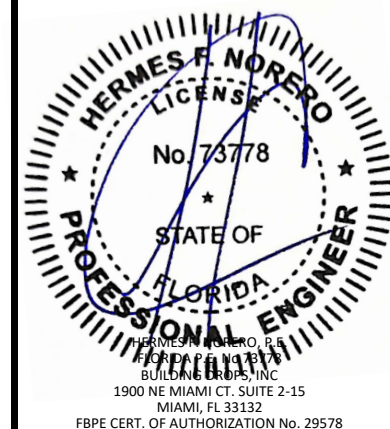
PREPARED BY: BUILDING DROPS, INC.

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
HINGE UPDATE	SM	02.26.24
MPP/ANCHOR UPDATE	SH	06.17.24
LOCK UPDATE	JA	09.09.24
MISC UPDATE	DI	12.09.25

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.



FL12400

DATE: 05.04.22

DWG. BY: CPA
CHK. BY: HFN

SCALE: NTS

DWG. #: IRGS07

SHEET:

34

OF 34