

c:\users\dylanwata\building_drops, inc\building drops landing - common\projects\allegion\flc-25-1124 - impact steel door revisions\dwgs\fl16740\A\F2334s\F2334s_rev.dwg 1/12/2026 11:39 AM

ALLEGION - SCHLAGE LOCK COMPANY, LLC.

OUTSWING SINGLE GLAZED DOOR WITH VON DUPRIN EXIT HARDWARE (HVHZ)(IMPACT)

GENERAL NOTES:

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

NOTES:

- 1. ANCHOR REQUIREMENTS: SEE SHEETS 4 - 8 FOR ANCHORS AND INSTALLATION
- 2. HINGE REQUIREMENTS: 4.5" STD WT. MIN. FOR DOOR OPENING UP TO 84" HIGH - MIN (3) HINGES STD 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" SEE SHEET 10 FOR APPROVED CONTINUOUS HINGE MODELS
- 3. SEE SHEETS 2, 3, 10, 14 & 15 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
- 4. INSTALLATION HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATIONS INSTRUCTIONS OR AS REQUIRED BY THIS APPROVAL.
- 5. 4" FACE HEAD IS AVAILABLE FOR FRAMES SEE SHEET 10
- 6. APPLY CAULK TO FULL LENGTH OF SILL AND ENTIRE PERIMETER OF FRAME SEE SHEET 9.
- 7. WEATHERSTRIPPING
 - WHEN WATER INFILTRATION IS NOT REQUIRED INSTALL PER SHEET 9
- 8. SEE SHEET 12 FOR SECTION A-A AND B-B.
- 9. INSTALL REINFORCEMENT CHANNELS (ITEM #20) AROUND EACH LITE-CUTOUT.
- 10. 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.
- 11. 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.
- 12. SILL SHALL BE ANCHORED PER INSTALLATION DETAIL ON SHEETS 4 - 8.
- 13. FIRE RATING NOT PART OF THIS APPROVAL CONSULT MANUFACTURER FOR APPROVED CONFIGURATIONS.

CONSTRUCTION NOTES:

- 1. DOOR CONSTRUCTION
 - 1.1. NOMINAL DOOR THICKNESS - 1 3/4"
 - 1.2. DOORS AVAILABLE IN FLAT AND EMBOSSED SURFACE MODEL
- 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 5, SHT. 10). REPUBLIC DOOR FRAME OPTIONS AVAILABLE AS ME-SERIES AND SE-SERIES (SEE TABLE 10, SHT. 15).
- 3. FOR STEELCRAFT DOOR/FRAME MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 6, SHT. 10. FOR REPUBLIC DOORS DOOR/FRAME MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 11 SHT. 15.
- 4. FRAME CORNER WELD: CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM. GRIND, SMOOTH, PRIME, & PAINT. WELD CLASSIFICATION - E70XX. SEE SHEET 10 & 15 FOR DETAIL.

CONFIGURATION 1			
DESIGN PRESSURE RATING			IMPACT RATING
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED*	LARGE AND SMALL MISSILE IMPACT. LARGE MISSILE IMPACT 50 F/S LEVEL "D"
POSITIVE	NOT APPROVED	+ 70 PSF	
NEGATIVE	NOT APPROVED	- 70 PSF	

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

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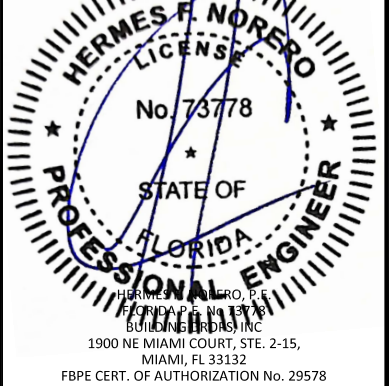
GENERAL NOTES & DESIGN PRESSURE TABLE

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

REMARKS	BY	DATE
A. MISC UPDATE	DI	01/26

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.01.26 18:21:27 -0500



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

FL #:
FL16740

DATE: **09.30.2024**

DWG. BY: **JA** CHK. BY: **HN**

SCALE: **NTS**

DWG. #: **F2334S**

SHEET:
1
OF 15

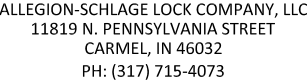


TABLE 1: DOOR CONFIG. & LOCKING HARDWARE



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UNIT WIDTH = 50"

B-B
12

UNIT HEIGHT = 88"

64" DOOR OPENING HEIGHT

A-A
12

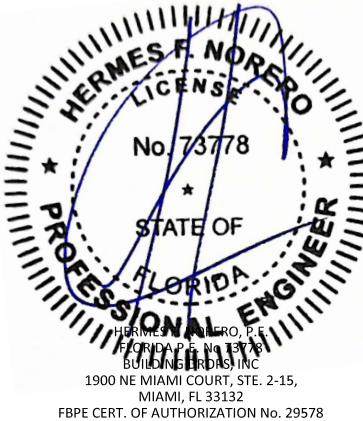
A-A
12

B-B
12

46" DOOR
OPENING WIDTH

Door Configuration	Maximum Design Pressure, PSF		Maximum Door Opening Size, in.		Maximum Exposed Glazing Size (DLO), in.		Locking Hardware Description			
	Positive	Negative	Width	Height	Width	Height	Hardware Family	Model/Series	Strike Models	Brand
1	70	70	46	84	6	30	Surface Vertical Rod Exit Device	9827, 9927, 9827-F, 9927-F, HH7827, HH7827-F	499F Top 304L Bottom	Von Duprin

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TITLE: OUTSWING SINGLE GLAZED
DOOR WITH VON DUPRIN EXIT
HARDWARE (HVHZ)(IMPACT)

STEELCRAFT SINGLE DOORS
OUTSWING CONFIGURATIONS & BOM

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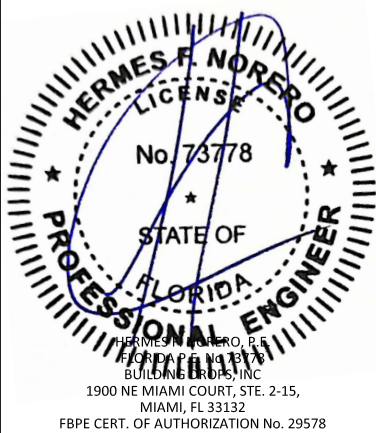
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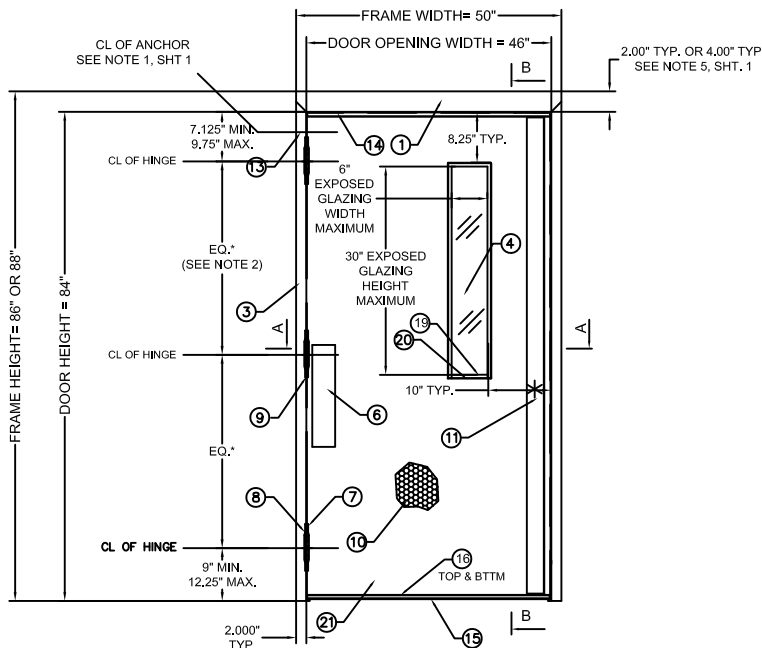
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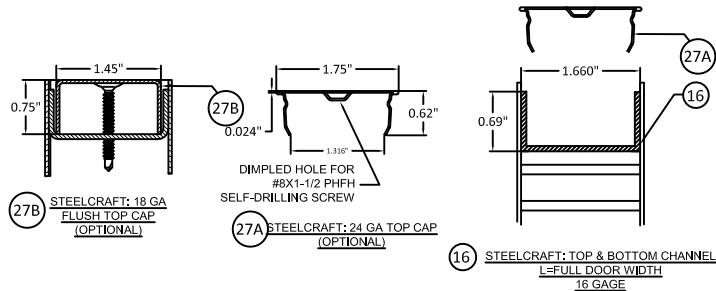
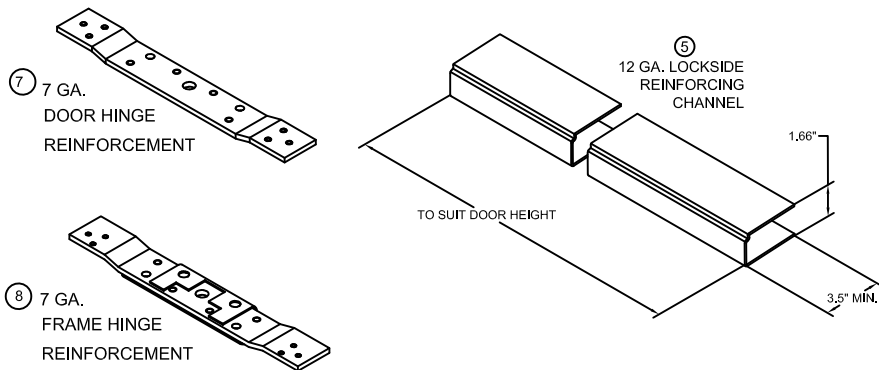
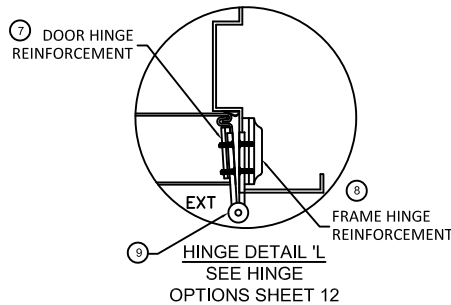
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SHEET:	3

TABLE 2 (SEE TABLE 8, SHEET 12 FOR OPTION 2 CONFIGURATION)

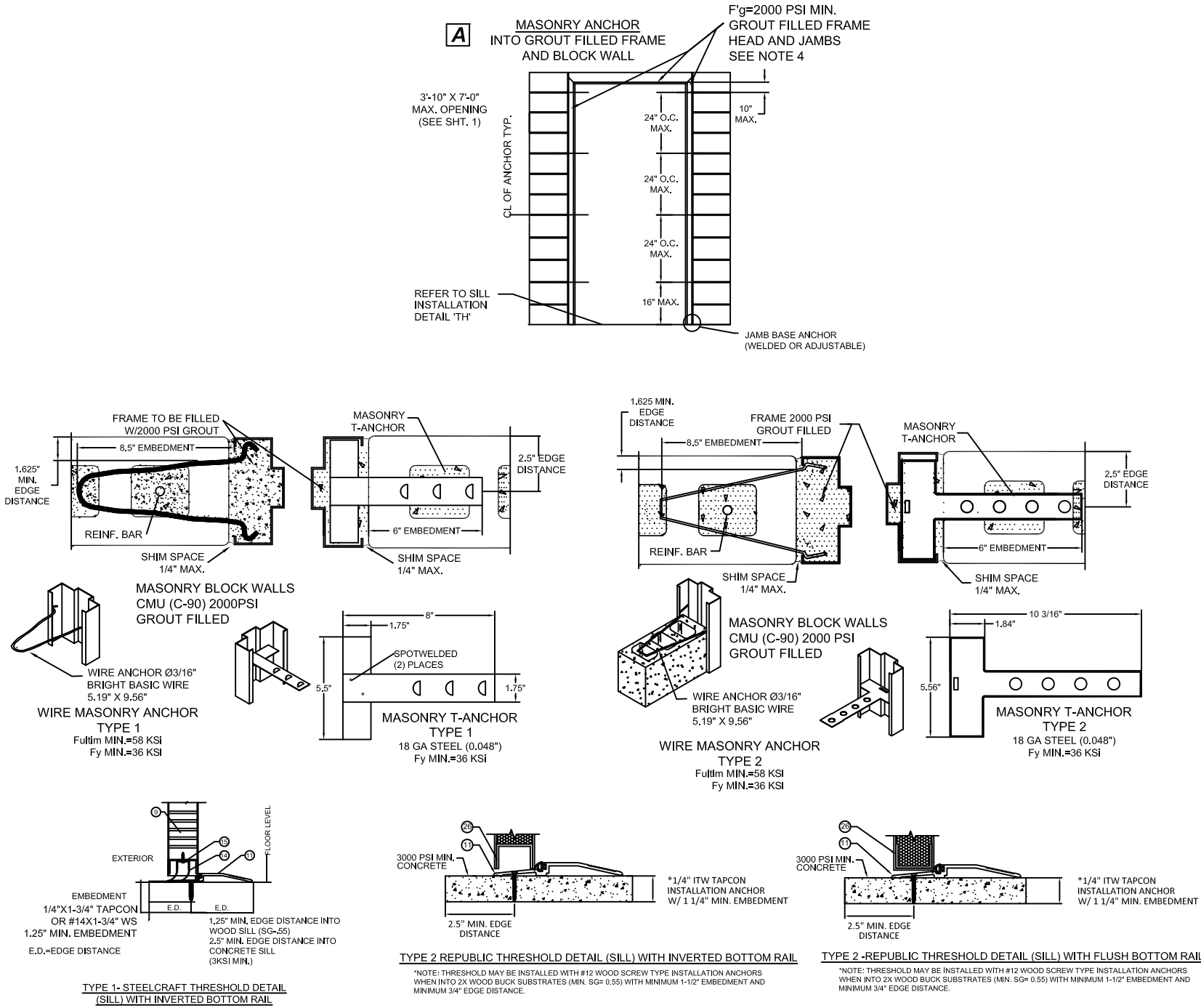
ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE	SEE ELEVATION ON SHT. 2
1	1	HEAD (SEE SHT. 10)	.053" MIN. STL	MAX. 50"	
2	1				
3	1	HINGE/LOCK JAMB (SEE SHT. 10)	.053" MIN. STL	MAX. 88" HEIGHT	
4	1	LAMINATED GLASS WITH SENTRYGLAS INTERLAYER	.562" MIN - 0.68" MAX.	6" X 30" DLO	
5	1	LOCK SIDE REINFORCEMENT CHANNEL	.093" MIN. STL	3.5" MIN X 83.5" MAX	
6	1	HINGE SIDE PANIC REINFORCEMENT	.067" MIN. STL	MAX. 20"	
7	1	HINGE REINFORCEMENT DOOR	.123" MIN. STL	1.375" X 4.5" MIN.	
8	NOTE 2, SHT 1	HINGE REINFORCEMENT FRAME	.167" MIN. STL	1.5" X 9.19" MIN.	
9	NOTE 2, SHT 1	BUTT HINGES (SEE SHT. 12)	.134 MIN.	(8) #12-24 MS PER HINGE	
		OPTIONAL CONTINUOUS HINGE (SEE SHT. 12)	.075" MIN. STL/.12 ALUM	MAX. 84"	
10	1	CORE MATERIAL	A) HONEYCOMB B) MINERAL BOARD C) POLYSTYRENE D) POLYURETHANE/POLYISOCYANURATE E) STEEL STIFFENED		
11	1	LOCKING HARDWARE - (SEE SHT. 2 TABLE 1.)			
		THRESHOLD SILL W/BUMPER GASKET (SEE SHT. 9)			
12	1	12A) 566 BY ZERO (SEE SHT. 9)	.125" ALUM. 6063 T5	5.0"X0.5"X94"MAX.	
		12B) 65 BY ZERO (SEE SHT. 9)	.125" ALUM. 6063 T5		
		12C) 568 BY ZERO (SEE SHT. 9)	.125" ALUM. 6063 T5	6.0"X0.5"X94"MAX.	
13	NOTE 1, SHT 1	JAMB ANCHOR	(SEE SHT. 4-8)		
14	SEE SHT 7	14A) PSO74 DOOR SEAL REPUBLIC	TPE		
		14B)188S, 14C)117S, 14D)8145S, 14E)8150S DOOR SEAL ZERO	SILICONE	VARIES	
15	2	FAS-SEAL DOOR SWEEP	TPE	MAX. 46"	
16	2	END CHANNEL (16 GA - INVERTED)	.053" MIN. STL.	.62" X 1.66" X 47.66" MAX.	
17	1				
18	AS NEEDED	CAULK BUTYL RUBBER OR LATEX/SILICONE	(SEE SHT. 9)		
19	AS NEEDED	GLAZING HOLDING TRIM (SEE SHT. 11)	(SEE SHT. 11)		
		G) 1" STEEL OVERLAPPING TRIM	.035" MIN. STL	6" X 30"	
		F) HIGH SECURITY VISION FRAME VLFS10 BY AIR LOUVERS	.093"(12GA) MIN. STL.	EXPOSED GLASS (DLO)	
		L) STEEL OVERLAPPING TRIM	.035" MIN. STL		
20	NOTE 9, SHT 1	CUTOUT REINFORCEMENT CHANNEL (18 GA)	.047" MIN. STL	0.5" X 1.66" X 8" x 32" MAX.	
21	1	DOOR SLAB (16 OR 14 GA)	(SEE SHT. 10)	3' 10" X 7' MAX.	
22	VARIES	22A) 8150S DOOR SEAL BY ZERO INT'L (SEE SHT. 9)	SILICONE	VARIES	
		22B) 188S DOOR SEAL BY ZERO INT'L (SEE SHT. 9)			
23					
24	1	24A) 139 DOOR SWEEP BY ZERO INT'L (SEE SHT. 9)	TPE	MAX. 84"	
		24B) 328 DOOR SWEEP BY ZERO INT'L (SEE SHT. 9)	TPE	MAX. 46"	
		24C) 39 DOOR SWEEP BY ZERO INT'L (SEE SHT. 9)			
25	1	25A) 475 ADJUSTABLE SEAL BY ZERO INT'L (SEE SHT. 9)	TPE	MAX. 84"	
26	1	26A) 142 RAIN DRIP BY ZERO INT'L	(SEE SHT. 9)	MAX. 96"	
		26B) 11 RAIN DRIP BY ZERO INT'L	(SEE SHT. 9)	MAX. 46"	
27	OPTIONAL	27A) TOP CAP GALV. A60	.020" MIN. STL	MAX. 46"	
		27B) 18 GA DOOR FLUSH TOP CAP	.047" MIN. STL		



OUTSWING DOOR (EXTERIOR VIEW)
ALL DIMENSIONS TYPICAL, UNLESS SPECIFIED OTHERWISE



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



HEAD ANCHOR NOTES:
DETAIL H1 CORRESPONDS TO D ON SHT. 6
DETAIL H2 CORRESPONDS TO B ON SHT. 5 AND E ON SHT. 6
DETAIL H3 CORRESPONDS TO B ON SHT. 5 AND E ON SHT. 6
DETAIL H4 CORRESPONDS TO C ON SHT. 5
HEAD AND JAMB CONDITIONS MAY BE COMBINED SUCH THAT THE CORRESPONDING ANCHOR QUANTITIES PER THE LAYOUTS ARE USED.
ANCHOR LAYOUT A, THIS SHEET, DOES NOT REQUIRE HEAD ANCHORS.



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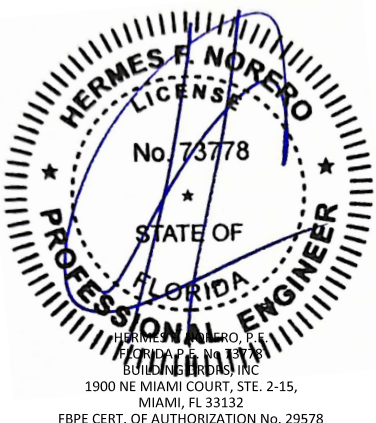
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DOOR WITH VON DUPRIN EXIT
HARDWARE (HVHZ)(IMPACT)
ANCHORS - WIRE & MASONRY T JAMB
ANCHOR INTO GROUT FILLED FRAME
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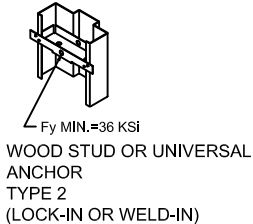
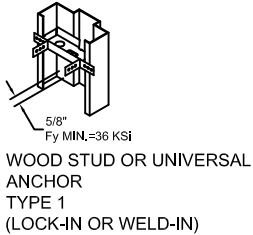
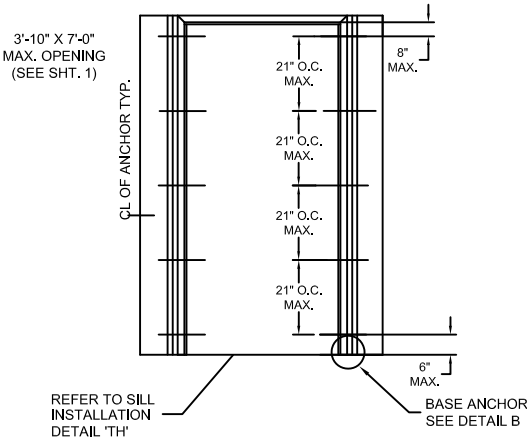
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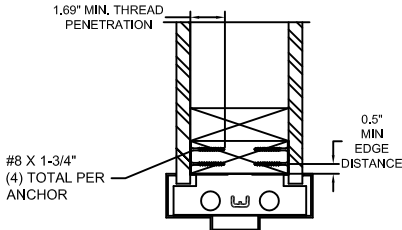
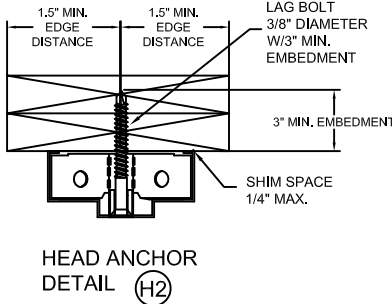
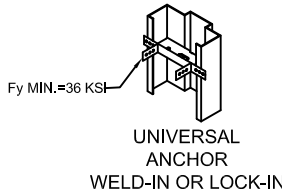
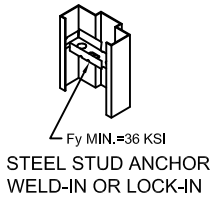
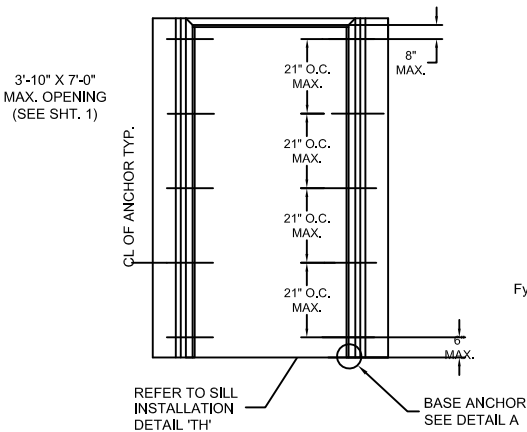


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SHEET:
4
OF 15

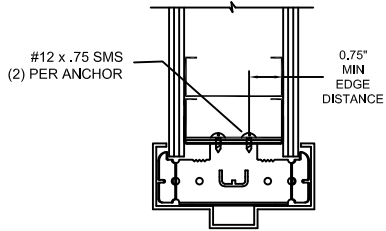
B WOOD STUD ANCHOR



C STEEL STUD ANCHOR



WOOD STUD HEAD ANCHOR DETAIL (H3)



STEEL STUD WALL HEAD ANCHOR DETAIL (H4)

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

HEAD ANCHOR NOTES:
DETAIL H1 CORRESPONDS TO D ON SHT. 6
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DETAIL H3 CORRESPONDS TO B ON SHT. 5 AND E ON SHT. 6
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HEAD AND JAMB CONDITIONS MAY BE COMBINED SUCH THAT THE CORRESPONDING ANCHOR QUANTITIES PER THE LAYOUTS ARE USED. ANCHOR LAYOUT A, THIS SHEET, DOES NOT REQUIRE HEAD ANCHORS.

SEE SHEET 4 FOR THRESHOLD INSTALLATION DETAILS

NOTES:
1. SEE SHTS. 1, 2, 15, 16 & 17 FOR ELEVATION, MATERIAL AND SIZE
2. SEE SHTS. 6-12 FOR ANCHORING INFORMATION
3. SEE SHTS. 15 & 17 FOR FRAME PROFILE
4. APPROVED HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS
5. HEAD SECTION CAN HAVE 4" FACE DIMENSION WHEN IT'S GROUTED WITH CONCRETE



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ANCHORS - WOOD STUD JAMB ANCHOR & STEEL STUD JAMB ANCHOR

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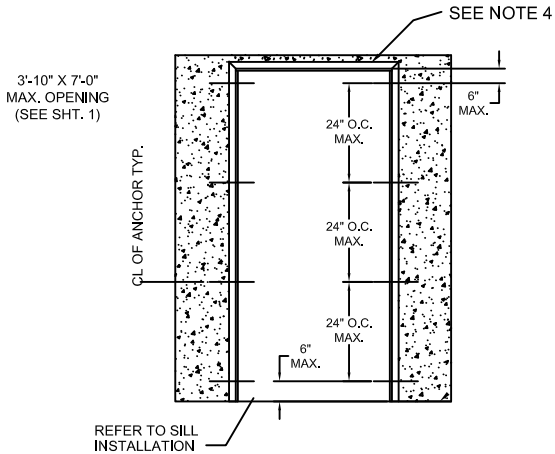
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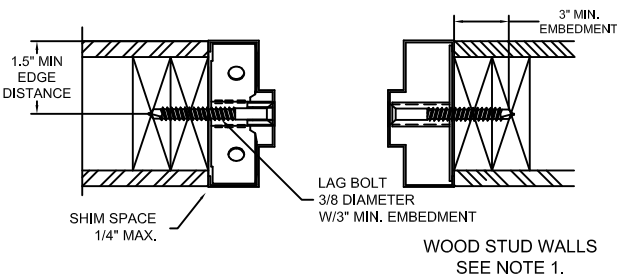
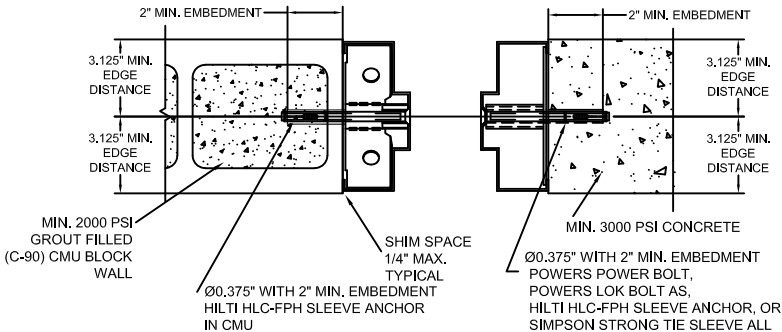
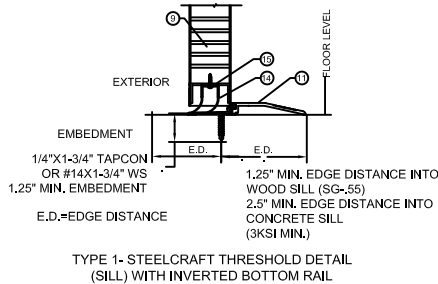
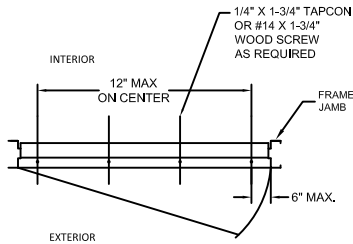
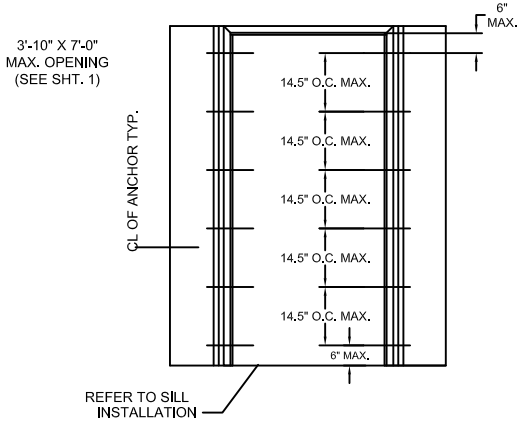
SHEET:

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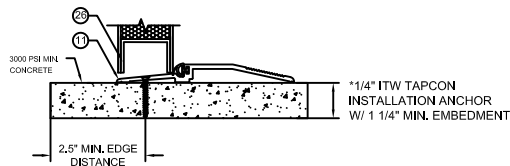
D EXISTING MASONRY ANCHOR (EMA)
INTO CONCRETE WALL OR CMU



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

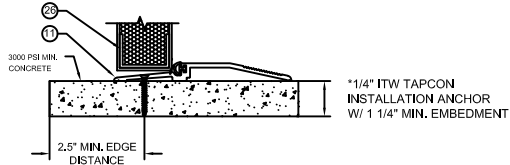


NOTE:
1. 3/8" LAG SCREWS TO BE MIN. SAE GRADE 2 OR EQUIVALENT.



TYPE 2 REPUBLIC THRESHOLD DETAIL (SILL) WITH INVERTED BOTTOM RAIL

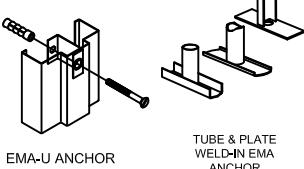
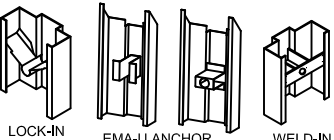
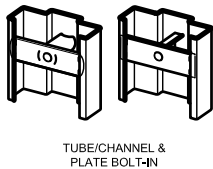
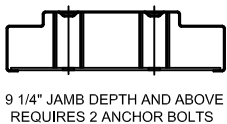
*NOTE: THRESHOLD MAY BE INSTALLED WITH #12 WOOD SCREW TYPE INSTALLATION ANCHORS WHEN INTO 2X WOOD BUCK SUBSTRATES (MIN. SG=0.55) WITH MINIMUM 1-1/2" EMBEDMENT AND MINIMUM 3/4" EDGE DISTANCE.



TYPE 2 -REPUBLIC THRESHOLD DETAIL (SILL) WITH FLUSH BOTTOM RAIL

*NOTE: 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.

SEE SHT. 4 & 5 FOR HEAD
INSTALLATION DETAILS, H1,
H2, AND H3



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



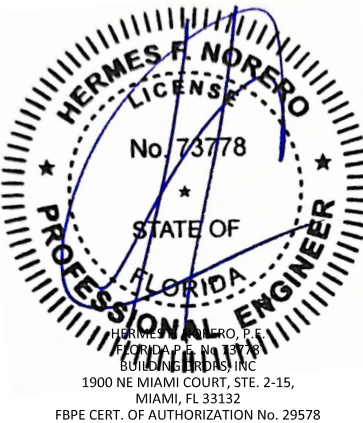
ALLEGION-SCHLAGE LOCK COMPANY, LLC
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032
PH: (317) 715-4073

TITLE: OUTSWING SINGLE GLAZED
DOOR WITH VON DUPRIN EXIT
HARDWARE (HVHZ)(IMPACT)
ANCHORS - EXISTING WALL JAMB ANCHOR
W/ LAG SCREW INTO WOOD STUD WALL &
INTO CONCRETE WALL OR CMU

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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FAX: (954) 744-4738
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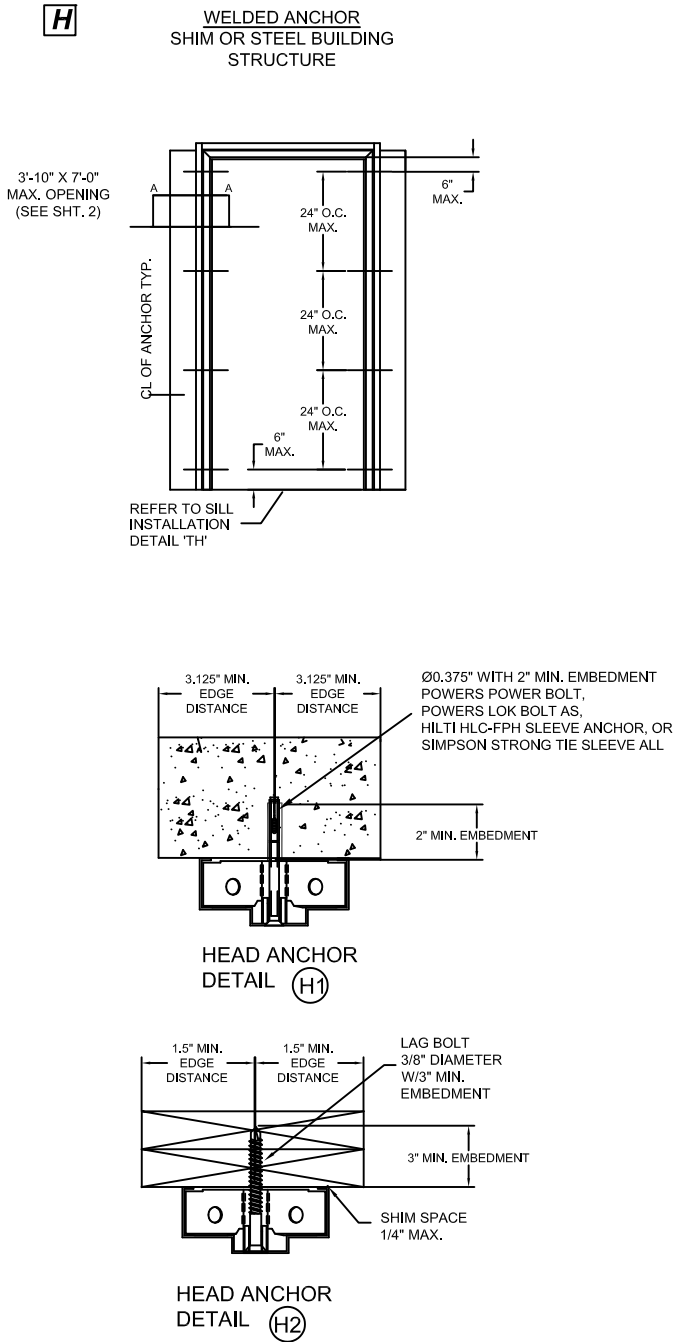
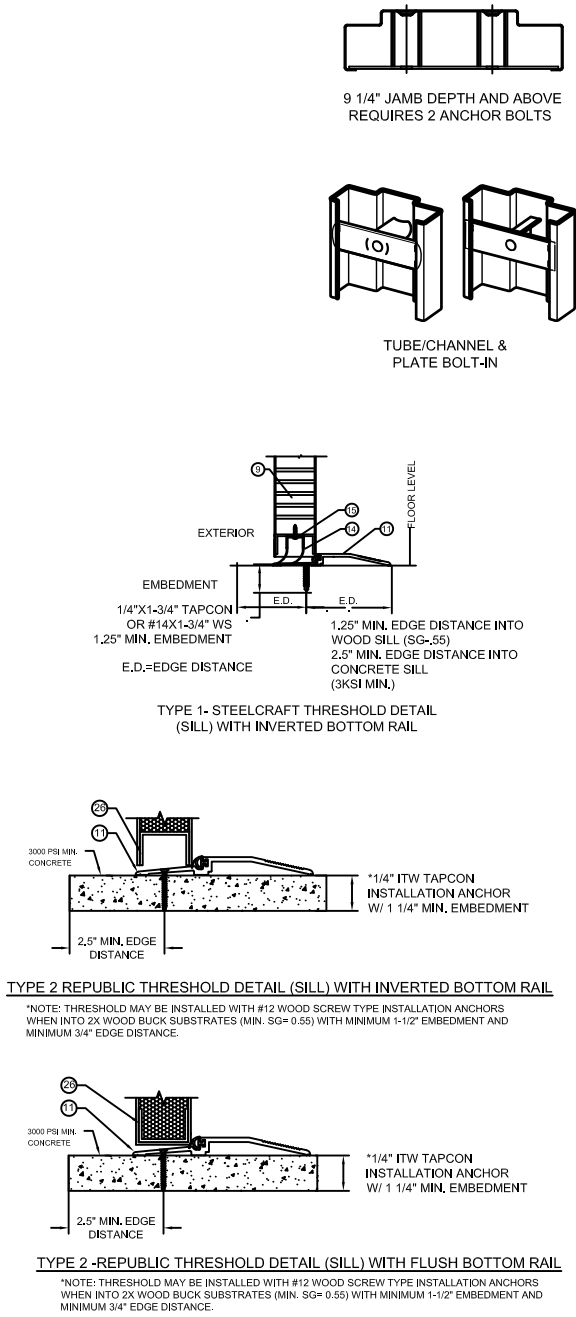
REMARKS	BY	DATE
A. MISC UPDATE	DI	01/26

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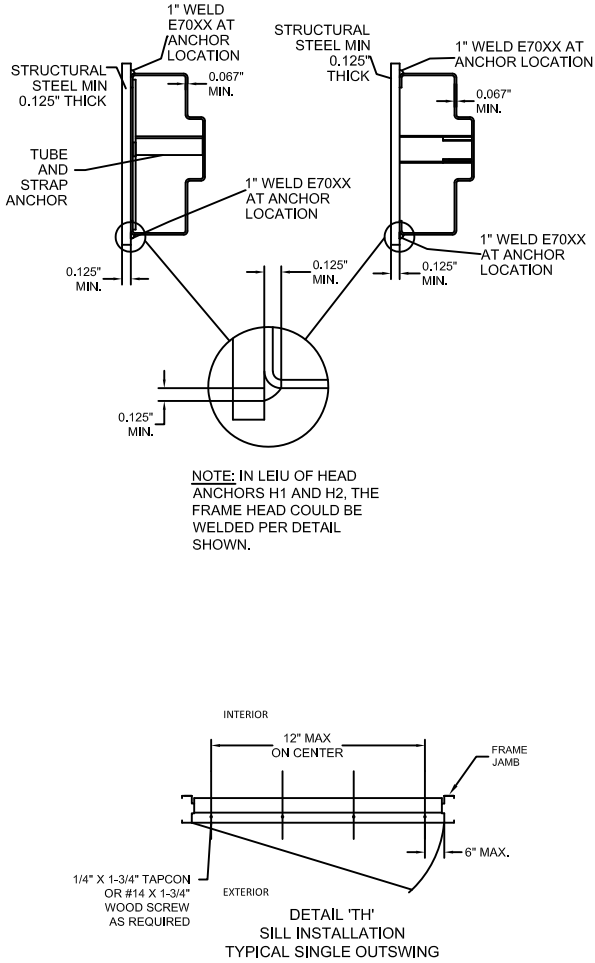


FL #:	FL16740
DATE:	09.30.2024
DWG. BY:	JA
CHK. BY:	HN
SCALE:	NTS
DWG. #:	F2334S
SHEET:	6

NOTES:
1.STRUCTURAL MEMBERS MUST BE DESIGNED TO CARRY APPROPRIATE LOAD, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3.BOTH JAMBS MUST HAVE EQUAL NUMBER OF ANCHORS.
4. APPLY CAULK AS NEEDED.
5. FRAMES WITH 4" FACE HEAD MUST HAVE HEAD GROUTED FULL. 4" FACE HEAD MAY BE USED WITH ALL JAMB ANCHOR OPTIONS.



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



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

TITLE: OUTSWING SINGLE GLAZED
DOOR WITH VON DUPRIN EXIT
HARDWARE (HVHZ)(IMPACT)
ANCHORS - FRAMES WELDED TO STEEL
STRUCTURE BUILDING

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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REMARKS	BY	DATE
A. MISC UPDATE	DI	01/26

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FL #:
FL16740

DATE: **09.30.2024**

DWG. BY: **JA** CHK. BY: **HN**

SCALE: **NTS**

DWG. #: **F2334S**

SHEET:

8

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
12	12A 566 THRESHOLD	ZERO INT'L
	12B 65 THRESHOLD	ZERO INT'L
	12C 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 8145S DOOR SEAL	ZERO INT'L
	14E 8150S DOOR SEAL	ZERO INT'L
15	FAS-SEAL SWEEP	STEELCRAFT
16	END CHANNEL	STEELCRAFT
17A	328 SPLIT ASTRAGAL	ZERO INT'L
17B	326 SPLIT ASTRAGAL	ZERO INT'L
17C	8194 SPLIT ASTRAGAL	ZERO INT'L
24A	139 DOOR SWEEP	ZERO INT'L
24B	328 DOOR SWEEP	ZERO INT'L
25C	39 DOOR SWEEP	ZERO INT'L
26A	142 RAIN DRIP	ZERO INT'L
26B	11 RAIN DRIP	ZERO INT'L
27A	DOOR TOP CAP	STEELCRAFT
27B	FLUSH TOP CAP	STEELCRAFT

12A ZERO INT'L 566 SERIES THRESHOLD
MAXIMUM DESIGN PRESSURE +/- 50 PSF
(SEE SHEET 1)

12B ZERO INT'L 65 SERIES THRESHOLD
MAXIMUM DESIGN PRESSURE +/- 50 PSF
(SEE SHEET 1)

12C ZERO INT'L 568 SERIES THRESHOLD
MAXIMUM DESIGN PRESSURE +/- 50 PSF
(SEE SHEET 1)

17B ZERO INT'L 326 SERIES
SPLIT ASTRAGAL

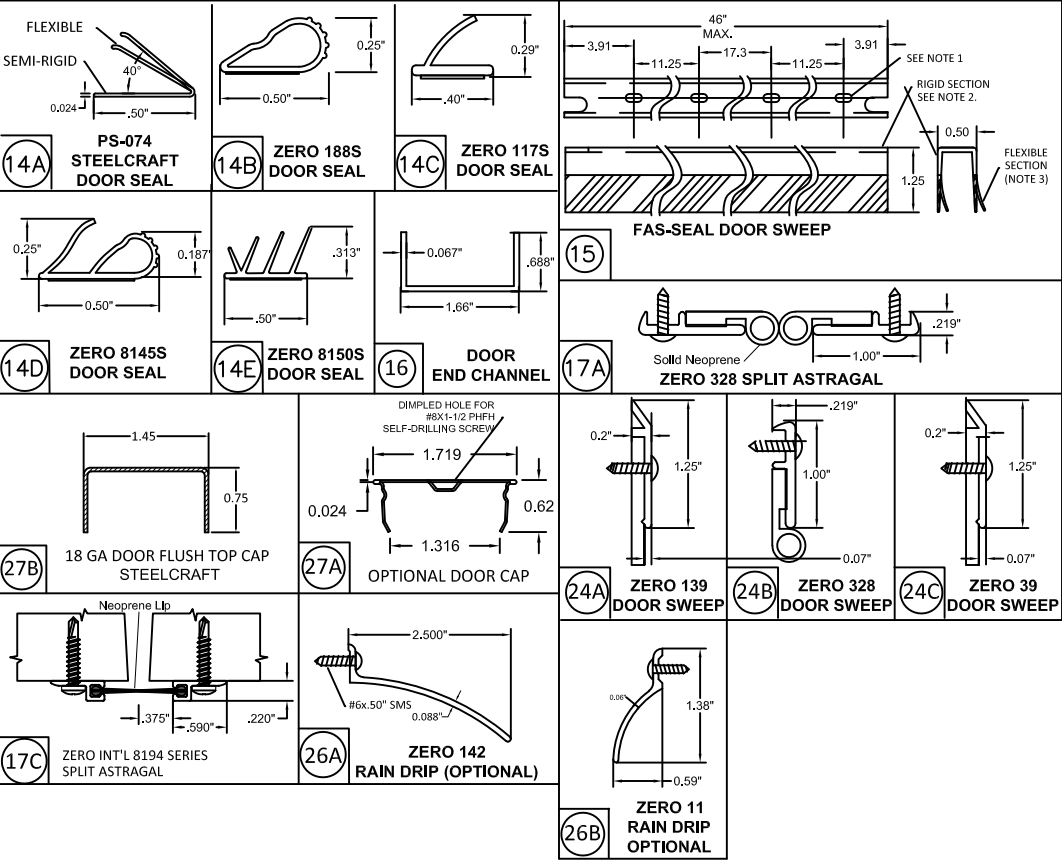
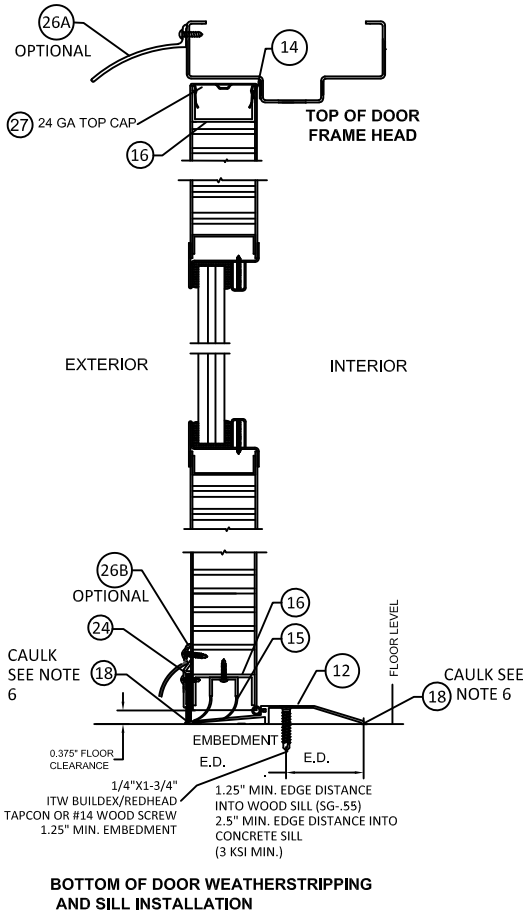
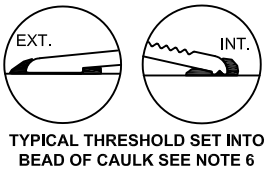
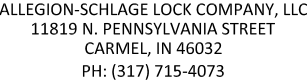


Diagram illustrating the door cross-section and components:

- DOOR SEAL APPLIED TO HEAD AND JAMBS** (Callout 14)
- SEE SHEET 12 FOR HINGE REINFORCEMENT**
- INTERIOR**
- EXTERIOR**
- HINGE JAMB**
- STRIKE JAMB**



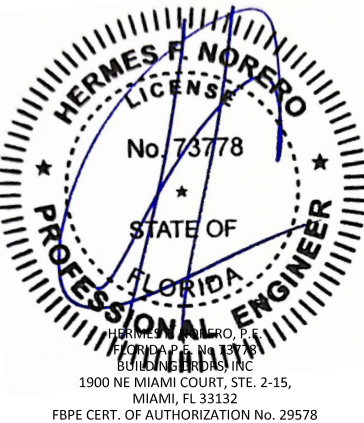
- NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
 2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
 3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
 4. STEELCRAFT INSTALLATIONS REQUIRE FAS-SEAL DOOR SWEEP (15), DOOR SEAL (14A, 14B, 14C, 14D,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



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REMARKS	BY	DATE
A. MISC UPDATE	DI	01/26

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FL #: **FL16740**

DATE: 09.30.2024

DWG. BY: JA	CHK. BY: HN
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SCALE: **NTS**

DWG. #: F2334S

SHEET:



COUNTERSUNK HOLES FOR #6 OHSMS

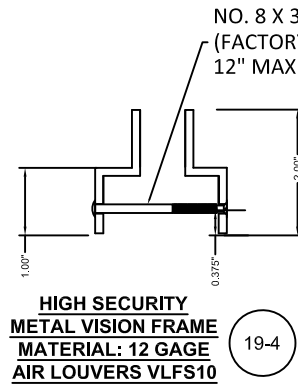
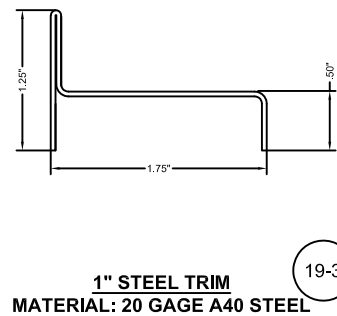
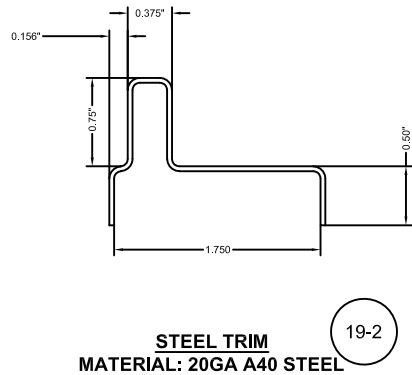
80-82°

75"

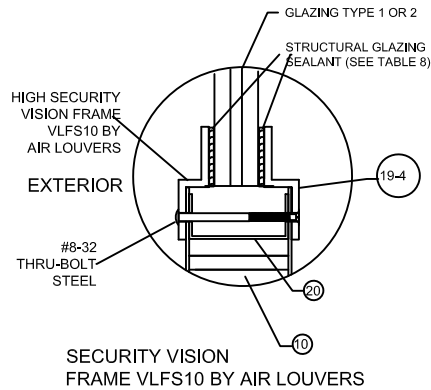
375"

GLAZING BEAD FOR STEEL OVERLAPPING TRIMS

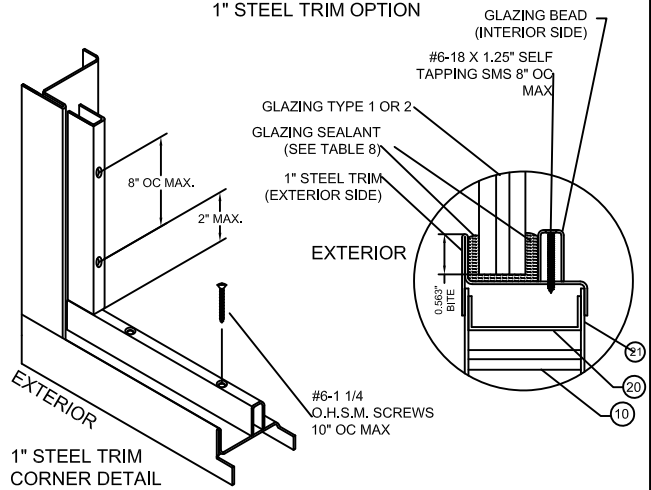
20 GAGE A40 STL



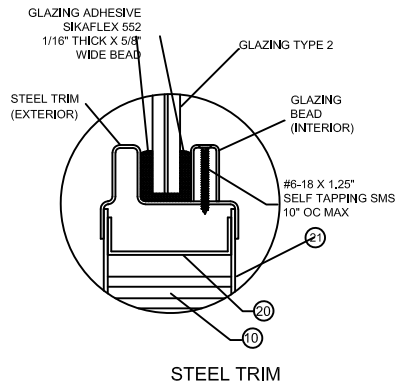
GLAZING DETAIL 'F'
STEEL TRIM FRAME OPTION



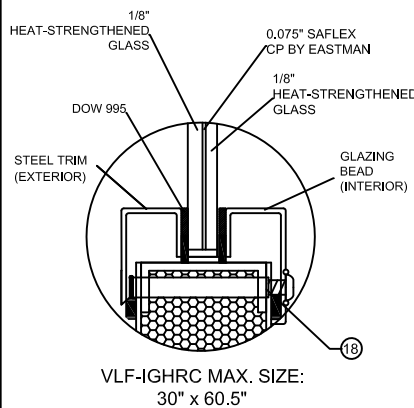
GLAZING DETAIL 'G'
1" STEEL TRIM OPTION



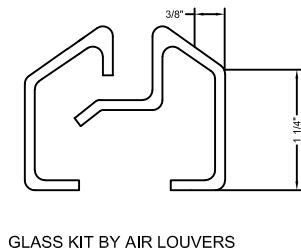
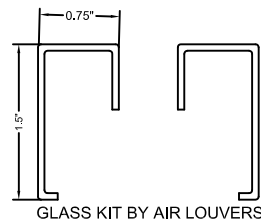
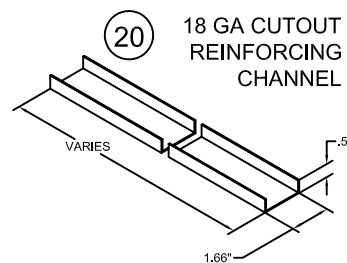
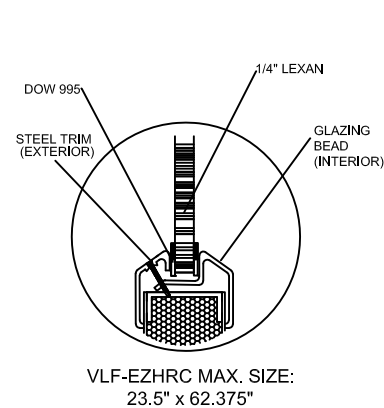
GLAZING DETAIL 'L'
LAMINATED GLASS



TRIM OPTION
5/16" HEAT STRENGTHENED GLASS



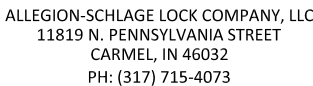
TRIM OPTION
1/4" LEXAN



NO. 8 X 32 THRU-BOLT
- (FACTORY PROVIDED)
12" MAX. O.C.

NOTES:

1. VERIFY GLAZING MATERIAL IS AVAILABLE IN SIZE REQUIRED.
2. CUT OUT REINFORCEMENT CHANNEL MAY BE INSTALLED INVERTED OR FLUSH.



TITLE: OUTSWING SINGLE GLAZED
DOOR WITH VON DUPRIN EXIT
HARDWARE (HVHZ)(IMPACT)

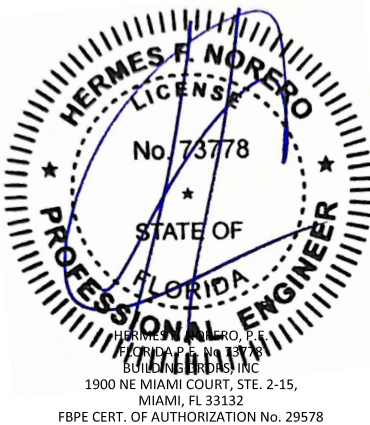
GLAZING DETAILS

PREPARED BY:

BUILDING DROPS
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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REMARKS	BY	DATE
A. MISC UPDATE	DI	01/26

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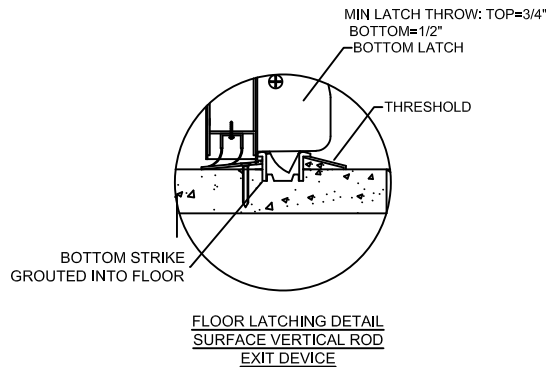
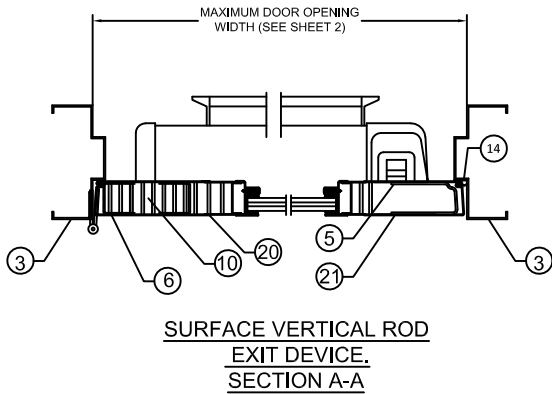
DWG. BY: JA	CHK. BY: HN
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SCALE: NTS

DWG. #: F2334S

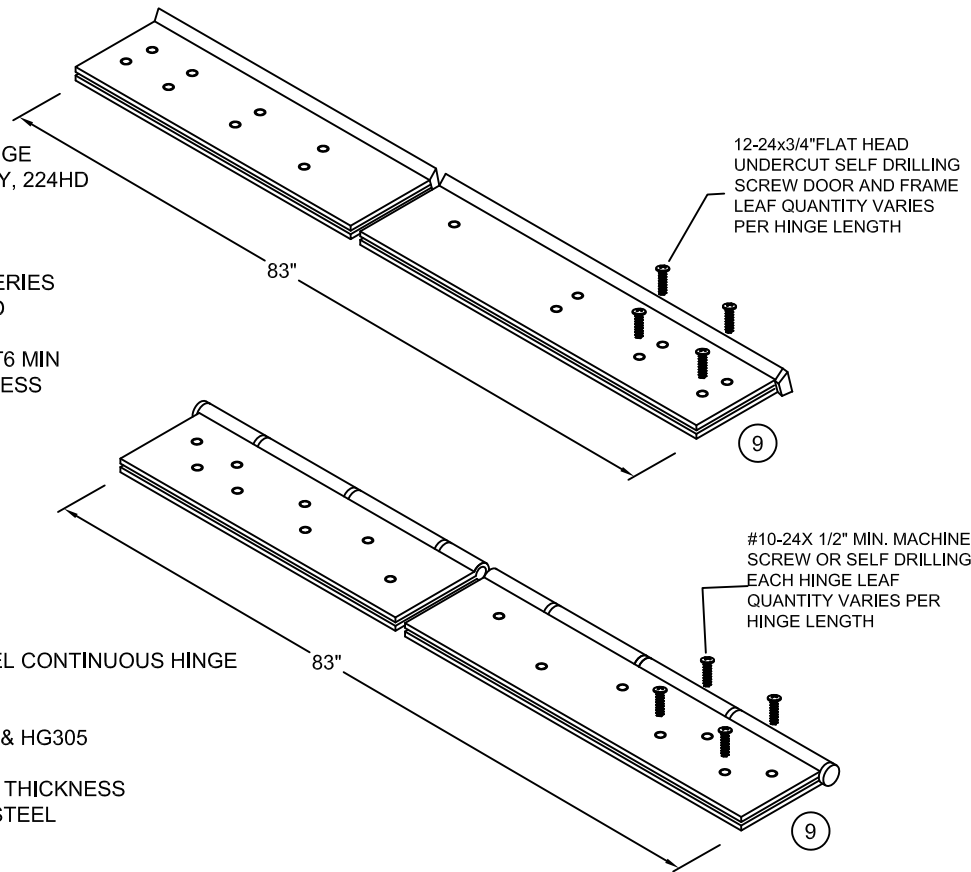
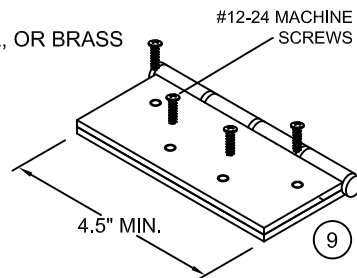
SHEET:

11



STAINLESS STEEL CONTINUOUS HINGE
IVES 700, 700CS
HAGER 790-900
MARKAR FM-300 & HG305
ABH A500
.075" (14GA) MIN. THICKNESS
304 STAINLESS STEEL
Fy MIN. 31ksi

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



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.

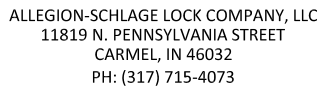
NOTES:

1. ELECTRICAL OPTIONS/INSTALLATION AND FIRE RATINGS ARE NOT PART OF THIS APPROVAL AND TO BE REVIEWED AND APPROVED BY BUILDING OFFICIAL.

2. EXIT HARDWARE OPTIONS:

FOR 98/99 & HH78 SERIES - OPTIONS E, RX, LX, SS, EL, QEL, CX, F, ALK, CD, PN;

TRIM: ALL APPLICABLE TRIMS AVAILABLE.



TITLE: OUTSWING SINGLE GLAZED
DOOR WITH VON DUPRIN EXIT
HARDWARE (HVHZ)(IMPACT)
LOCKING HARDWARE, HINGE DETAILS
& SECTION DETAILS

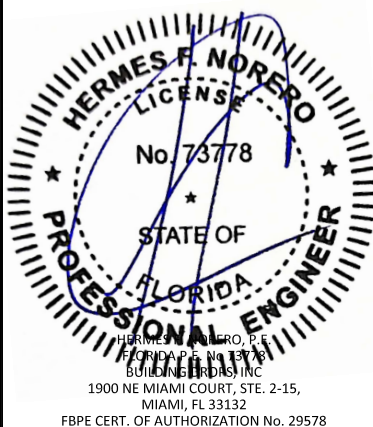
PREPARED BY:

 **BD**
BUILDING DROPS

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REMARKS	BY	DATE
A. MISC UPDATE	DI	01/20

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FL16740

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DWG. BY: JA	CHK. BY: HN
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SCALE: NTS

DWG. #: F2334S

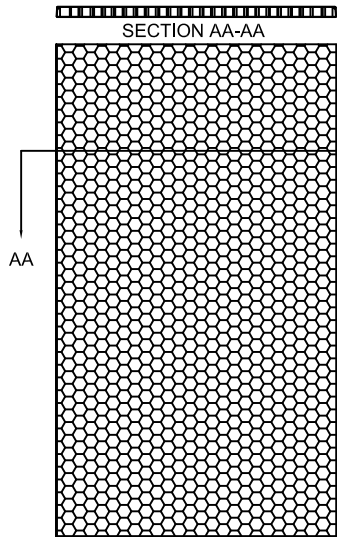
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12

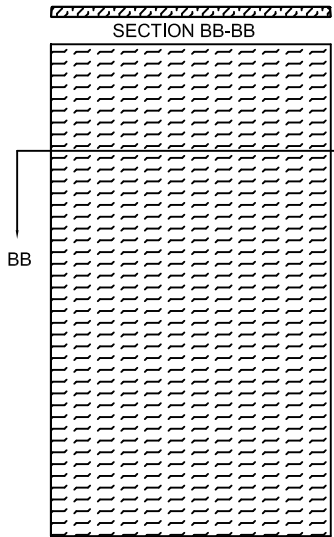
OF 15

1/12/2026 11:40 AM

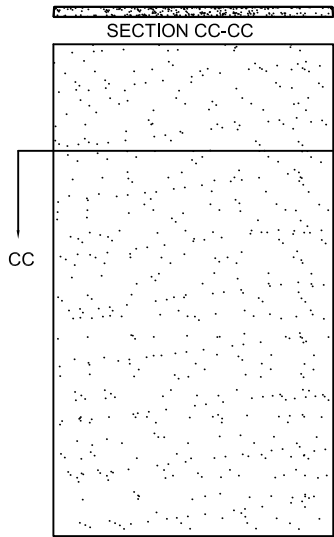
c:\users\dylanwata\building drops, inc\building drops landing - common\projects\allegion\fbc-25-1124 - impact steel door revisions\dwgs\fb16740-A\F2334S\F2334S-reva.dwg



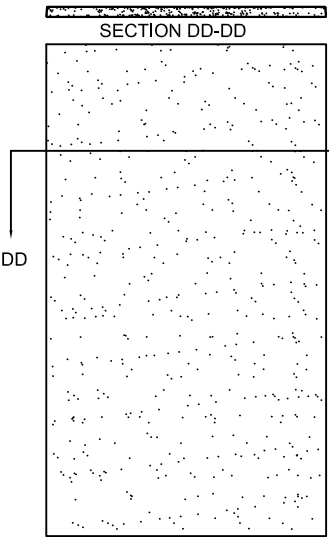
(A) HONEYCOMB
KRAFT PAPER.



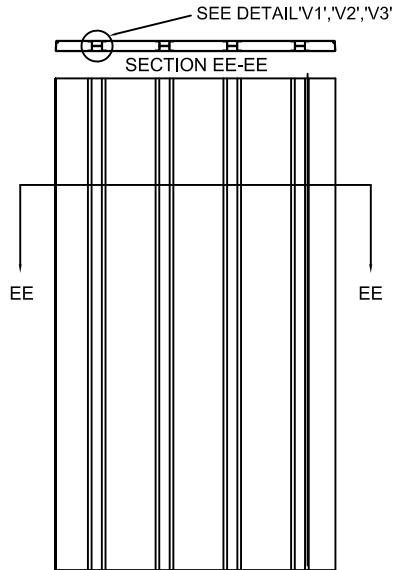
(B) TEMPERATURE RISE CORE
MINERAL FIBER BOARD
DENSITY:17±1.5 LBS/FT³
OR
PSL P250C-60 CORE
OR
CALCIUM SILICATE MINERAL CORE



(C) EXPANDED POLYSTYRENE FOAM
DENSITY:1.0 LB/FT³

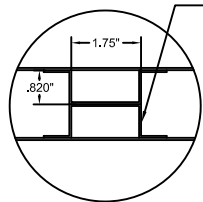


(D) POLYISOCYANURATE
(POLYURETHANE)
DENSITY:2 LBS/FT³



(E) STEEL STIFFENED
HAT SHAPED SECTIONS

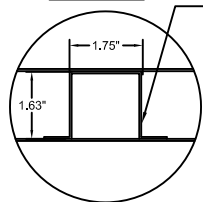
DETAIL 'V1'



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

SECTION CC-CC

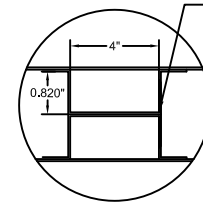
DETAIL 'V2'



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

SECTION CC-CC

DETAIL 'V3'



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

SECTION CC-CC

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



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

TITLE: OUTSWING SINGLE GLAZED
DOOR WITH VON DUPRIN EXIT
HARDWARE (HVHZ)(IMPACT)

CORE DETAILS

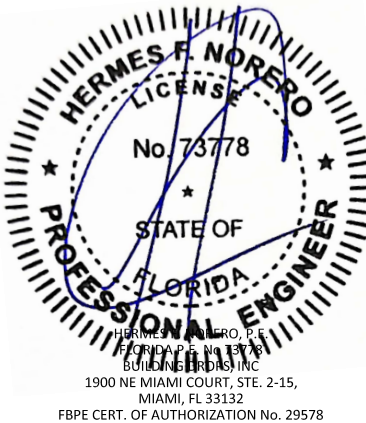
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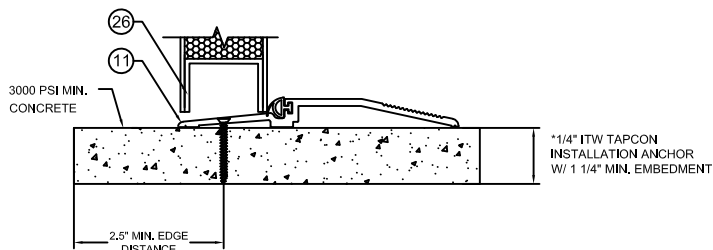
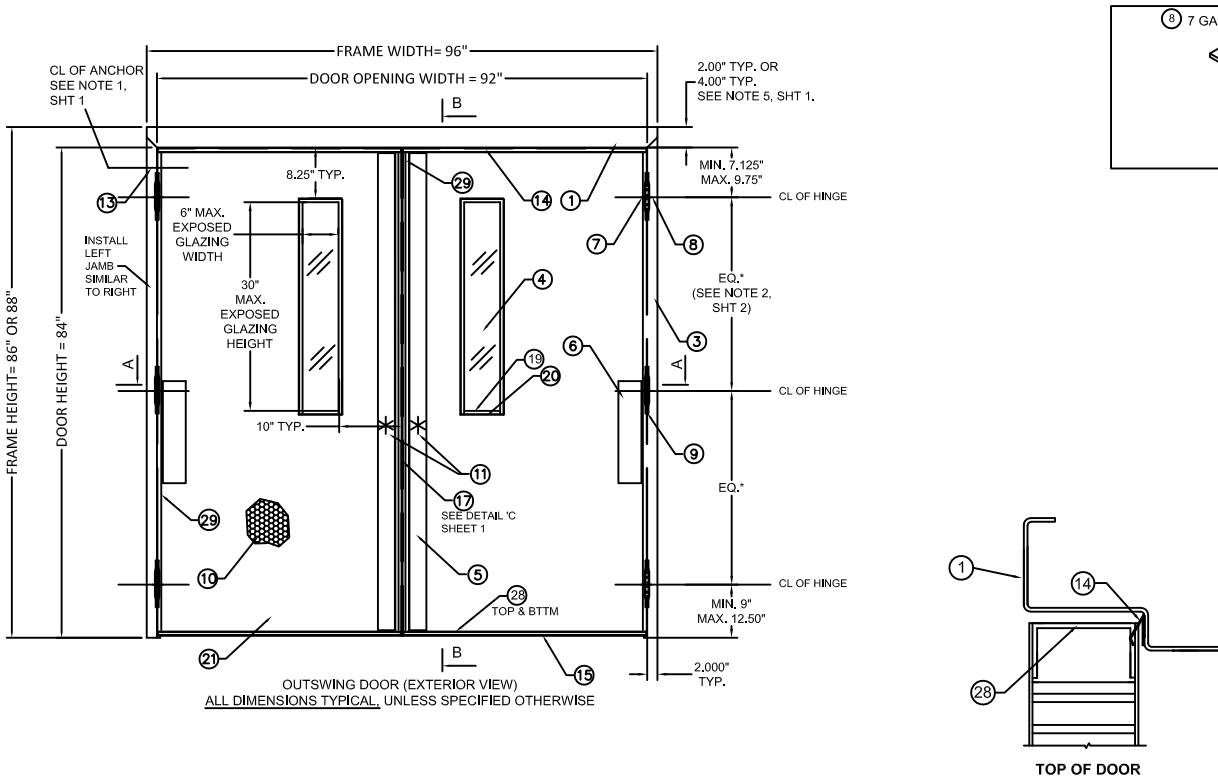


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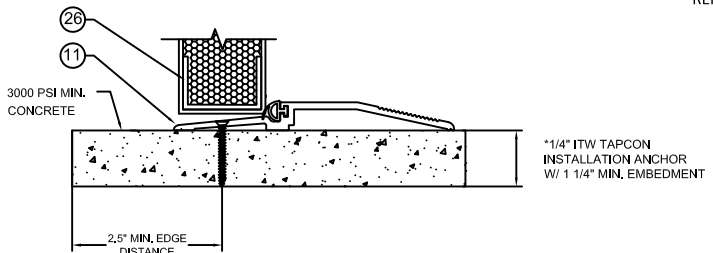
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DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:	FL16740
DATE:	09.30.2024
DWG. BY:	JA
CHK. BY:	HN
SCALE:	NTS
DWG. #:	F2334S
SHEET:	13



TYPE 2 REPUBLIC THRESHOLD DETAIL (SILL)
WITH INVERTED BOTTOM RAIL



TYPE 2 -REPUBLIC THRESHOLD DETAIL (SILL)
WITH FLUSH BOTTOM RAIL

*SEE SHTS 4 - 8 FOR ADDITIONAL
THRESHOLD INSTALLATION DETAILS

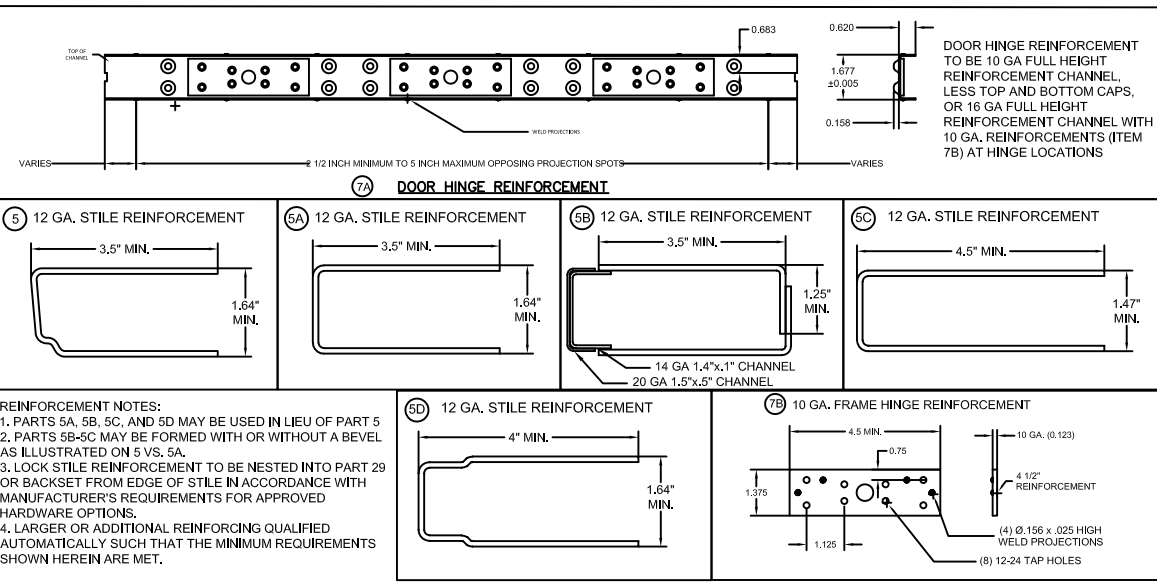
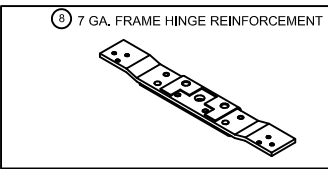


TABLE 8 (SEE TABLE 2, SHEET 3 FOR OPTION 1 CONFIGURATION)

ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE	SEE ELEVATION ON SHT. 2
1	1	HEAD (SEE SHT. 15)	.053" MIN. STL	MAX. 50"	
2	1				
3	2	HINGE/LOCK JAMB (SEE SHT. 15)	.053" MIN. STL	MAX. 88" HEIGHT	
4	1	LAMINATED GLASS WITH SENTRYGLAS INTERLAYER	.562" MIN - 0.68" MAX.	6" X 30" DLO	
5	1	LOCK SIDE REINFORCEMENT CHANNEL	.093" MIN. STL	3.5" MIN X 83.5" MAX	
6	1	HINGE SIDE PANIC REINFORCEMENT	.067" MIN. STL	MAX. 20"	
7	1	HINGE REINFORCEMENT DOOR	.167" MIN. STL.	1.23" X 9.19" MIN.	
7A	1	HINGE REINFORCEMENT DOOR	.053" MIN. STL.	1.375" X 4.5" MIN.	
7B	1	HINGE REINFORCEMENT DOOR	.123" MIN. STL.	1.677" X FULL LENGTH-END CHNLS	
8	NOTE 2, SHT. 1	HINGE REINFORCEMENT FRAME	.167" MIN. STL.	1.5" X 9.19" MIN.	
9	NOTE 2, SHT. 1	BUTT HINGES	.134 MIN.	(8) #12-24 MS PER HINGE	
		OPTIONAL CONTINUOUS HINGE (SEE SHT. 12)	.075" MIN. STL./12 ALUM	MAX. 84"	
10	1	CORE MATERIAL	A) HONEYCOMB B) MINERAL BOARD C) POLYSTYRENE D) POLYURETHANE/POLYISOCYANURATE E) STEEL STIFFENED		
11	1	LOCKING HARDWARE - SEE SHEET 2 TABLE 1.			
		THRESHOLD SILL W/BUMPER GASKET (SEE SHT. 9)			
12	1	12A) 566 BY ZERO (SEE SHT. 9)	.125" ALUM. 6063 T5	5.0"X0.5"X94" MAX.	
		12B) 65 BY ZERO (SEE SHT. 9)	.125" ALUM. 6063 T5	6.0"X0.5"X94" MAX.	
		12C) 568 BY ZERO (SEE SHT. 9)	.100" ALUM. 6063 T5	5.0"X1"X94" MAX.	
13	NOTE 1, SHT. 1	JAMB ANCHOR	SEE SHEETS 4 - 8		
14	SEE SHT. 9	14A) PSO74 DOOR SEAL REPUBLIC 14B)188S, 14C)117S, 14D)8145S, 14E)8150S DOOR SEAL ZERO	TPE SILICONE	VARIES	
15	1	FAS-SEAL DOOR SWEEP	TPE	MAX. 46"	
16	2	END CHANNEL (16 GA - INVERTED)	.053" MIN. STL.	.62" X 1.66" X 47.66" MAX.	
17	1	17A) 328 SPLIT ASTRAGAL BY ZERO INT'L 17B) 326 SPLIT ASTRAGAL BY ZERO INT'L 17C) 8194 SPLIT ASTRAGAL BY ZERO INT'L	(SEE SHT. 9)		
18	AS NEEDED	CAULK BUTYL RUBBER OR LATEX/SILICONE	(SEE SHT. 9)		
19	AS NEEDED	GLAZING HOLDING TRIM (SEE SHT. 11) G) 1" STEEL OVERLAPPING TRIM F) HIGH SECURITY VISION FRAME VLFS10 BY AIR LOUVERS L) STEEL OVERLAPPING TRIM	(SEE SHT. 11) .035" MIN. STL .093"(12GA) MIN. STL. .035" MIN. STL	6" X 30" EXPOSED GLASS (DLO)	
20	NOTE 9, SHT. 1	CUTOUT REINFORCEMENT CHANNEL (18 GA)	.047" MIN. STL	0.5" X 1.66" X 8" x 32" MAX.	
21	1	DOOR SLAB (16 OR 14 GA)	(SEE SHT. 10)	3' 10" X 7' MAX.	
22	VARIES	22A) 8150S DOOR SEAL BY ZERO INT'L (SEE SHT. 9) 22B) 188S DOOR SEAL BY ZERO INT'L (SEE SHT. 9)	SILICONE	VARIES	
23					
24	1	24A) 139 DOOR SWEEP BY ZERO INT'L (SEE SHT. 9) 24B) 328 DOOR SWEEP BY ZERO INT'L (SEE SHT. 9) 24C) 39 DOOR SWEEP BY ZERO INT'L (SEE SHT. 9)	TPE	MAX. 46"	
25	1	25A) 475 ADJUSTABLE SEAL BY ZERO INT'L (SEE SHT. 9)	TPE	MAX. 84"	
26	1	26A) 142 RAIN DRIP BY ZERO INT'L	(SEE SHT. 9)	MAX. 96"	
	1	26B) 11 RAIN DRIP BY ZERO INT'L	(SEE SHT. 9)	MAX. 46"	
27					
28	2	END CHANNEL (16 GAUGE-INVERTED OR FLUSH)	.053" MIN. STL.	.62" X 1.66" X 48" MAX.	
29	2	EDGE CHANNEL (16 GAUGE MIN)	.053" MIN. STL.	.62" X 1.677"	
30	NOTE 2, SHT. 1	HINGE REINFORCEMENT DOOR	.149" MIN. STL.	1.23" X 9.19" MIN.	



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

TITLE: OUTSWING SINGLE GLAZED
DOOR WITH VON DUPRIN EXIT
HARDWARE (HVHZ)(IMPACT)

REPUBLIC DOORS: GLASS SINGLE DOORS
OUTSWING CONFIGURATIONS

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



REMARKS	BY	DATE
A. MISC UPDATE	DI	01/26

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

FL #:

DATE: 09.30.2024

DWG. BY: JA

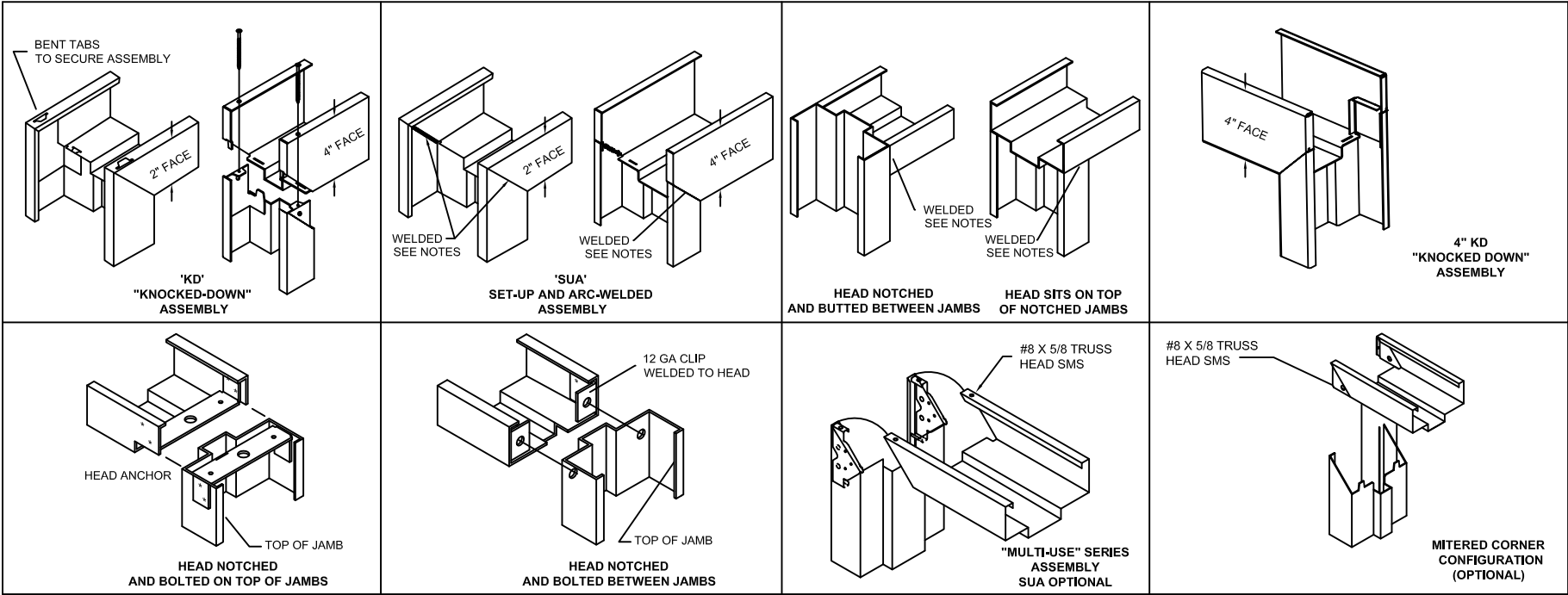
CHK. BY: HN

SCALE: NTS

DWG. #: F2334S

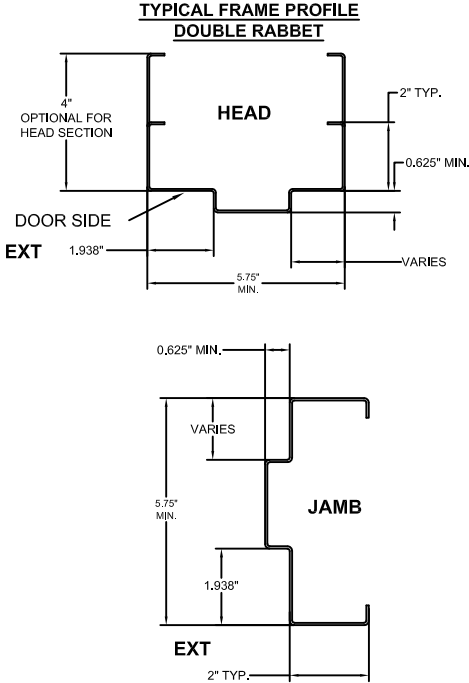
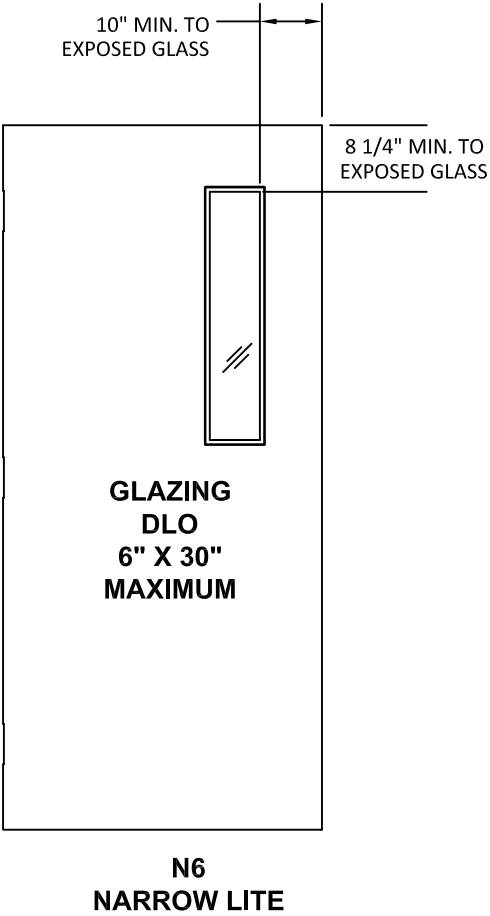
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WELDING NOTES:
1. CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM, GRIND SMOOTH & PRIME PAINT. WELD CLASSIFICATION - E70XX

AVAILABLE DOOR PANEL CONFIGURATIONS



REPUBLIC DOOR SERIES	DOOR CORE MATERIAL PER SHT. 13	MAXIMUM OPENING SIZE		SKIN MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
DL	HONEYCOMB POLYSTYRENE POLYURETHANE (POLYISOCYANURATE) TEMPERATURE RISE STEEL STIFFENED	3'-10"	7'-0"	CRS. GALV.	16/.053"
DE		3'-10"	7'-0"	CRS. GALV.	14/.067"

REPUBLIC FRAME SERIES	JAMB DEPTH	MAXIMUM OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
ME / SE	5.75" MIN.	3'-10"	7'-0"	CRS/HRS GALV	16/.053" 14/.067"
SE	5.75" MIN.	3'-10"	7'-0"	CRS/HRS GALV	12/.093"

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



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

TITLE: OUTSWING SINGLE GLAZED DOOR WITH VON DUPRIN EXIT HARDWARE (HVHZ)(IMPACT)

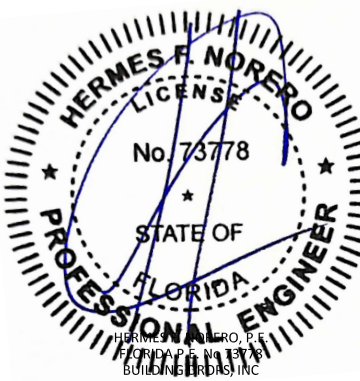
REPUBLIC DOORS: FRAME DETAILS & CORNER CONSTRUCTION

PREPARED BY:



BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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SHEET:

15

OF 15