

dormakaba USA, Inc.

dormakaba DB100 SERIES DEADBOLTS WITH C100 SERIES LEVERSET

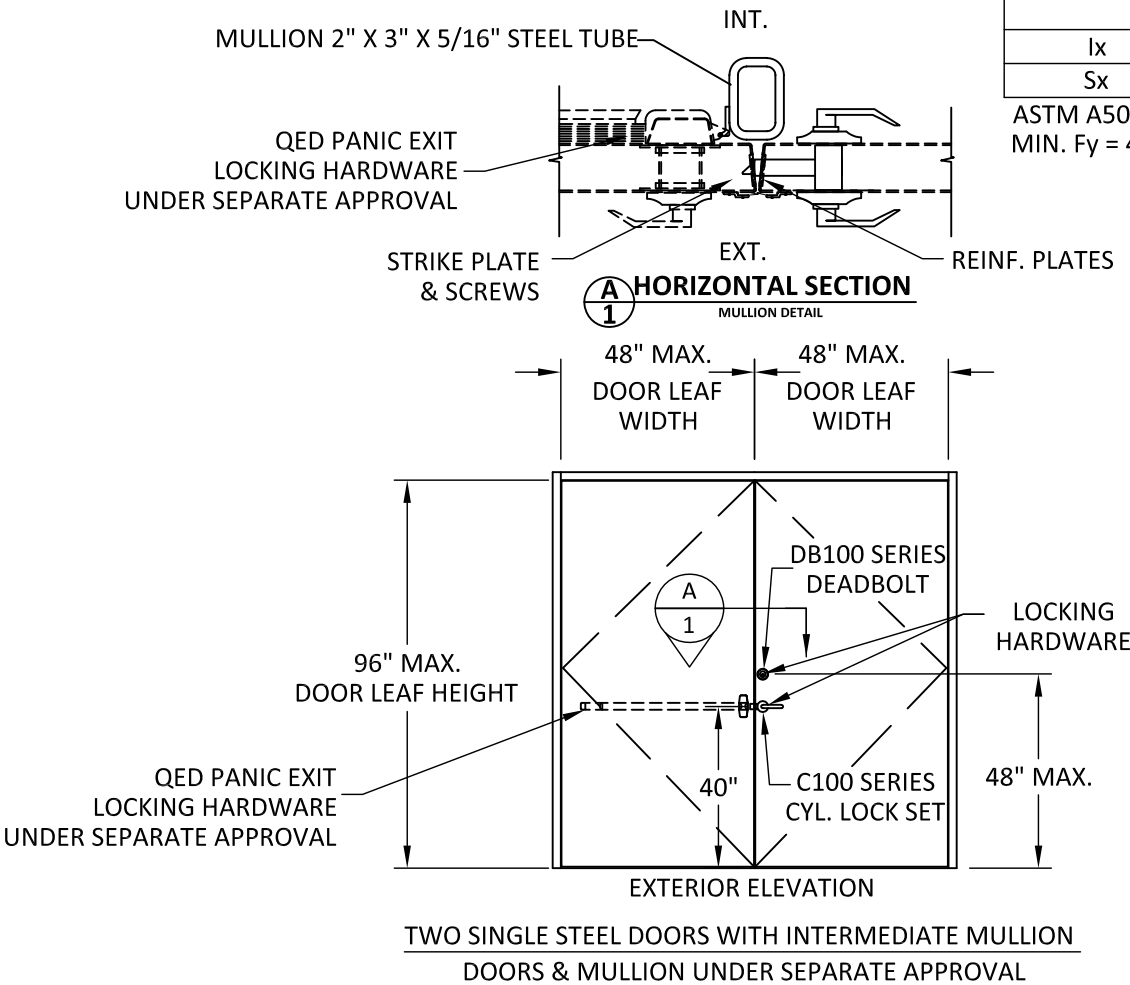
GENERAL NOTES:

1. THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE INCLUDING PROVISIONS SET FORTH FOR HIGH-VELOCITY HURRICANE ZONES (HVHZ).
2. DOOR PANEL FACE SHEETS TO BE MIN. 18 GA. (0.045" MIN.) STEEL, FRAME JAMBS AND STRIKE PLATE TO BE MIN. 16 GA. (0.057" MIN.) STEEL. LOCK REINFORCEMENT PLATE TO BE MIN. 12 GA. STEEL. MULLION TO MIN. 11 GA. (0.120" MIN.) STEEL UNDER SEPARATE APPROVAL
3. STRIKES, HINGES, AND ALL APPLICABLE REINFORCEMENTS AS REQUIRED ON DETAIL DRAWING IN THIS APPROVAL.
4. LOCKING HARDWARE SHALL BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. ALL FASTENERS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
6. STEEL COMPONENTS SHALL BE COATED OR COMPLY WITH CORROSION RESISTANCE PROTECTION IN CONFORMANCE WITH THE MATERIAL PROTECTION PROVISIONS OF FBC SECTION 2220.

LIMITATIONS OF USE:

1. LOCKING HARDWARE (DEADBOLT & CYLINDRICAL LOCKSETS IS AN APPROVED COMPONENT TO BE USED AS AN EQUAL ALTERNATIVE TO THE CORRESPONDING APPROVED LOCKING DEVICES IN STEEL OUTSWING DOORS WITH 16 GA. (.057" MIN.) FRAME AND 18 GA. (0.045" MIN.) SINGLE STEEL DOORS, HAVING CURRENT FLORIDA PRODUCT APPROVAL OR NOA.
2. THE DOOR PANEL SHALL NOT BE WIDER THAN 48" OR HIGHER THAN 96"
3. TWO (2) SINGLE DOORS USING AN APPROVED MULLION (SEE MIN. SECTION PROPERTIES) CAN ALSO BE USED WITH DB100 & C100 LOCKING HARDWARE.
4. THE LOWER DESIGN PRESSURE OF COMPONENT HARDWARE OR DOOR OR MULLION (IF APPLICABLE) SHALL CONTROL FOR ENTIRE ASSEMBLY.
5. ELECTRICAL/ELECTRONIC FUNCTION AND INSTALLATION OTHER THAN SELF CONTAINED ELECTRONIC DEVICES ARE NOT PART OF THIS APPROVAL AND MUST BE REVIEWED BY AUTHORITY HAVING JURISDICTION(AHJ) IN THE AREA.
6. COMPLIANCE WITH BUILDING EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

SEE SEPARATE DOOR/MULLION FLORIDA APPROVAL OR NOA FOR CONSTRUCTION, DESIGN LOAD RATING AND INSTALLATION DETAILS. SEE MIN. DOOR REQUIREMENTS IN GENERAL NOTES.



MULLION SECTION PROPERTIES		
Ix	(IN^4)	2.4457
Sx	(IN^3)	1.6305
ASTM A500 GR. B OR BETTER MIN. Fy = 46 KSI		

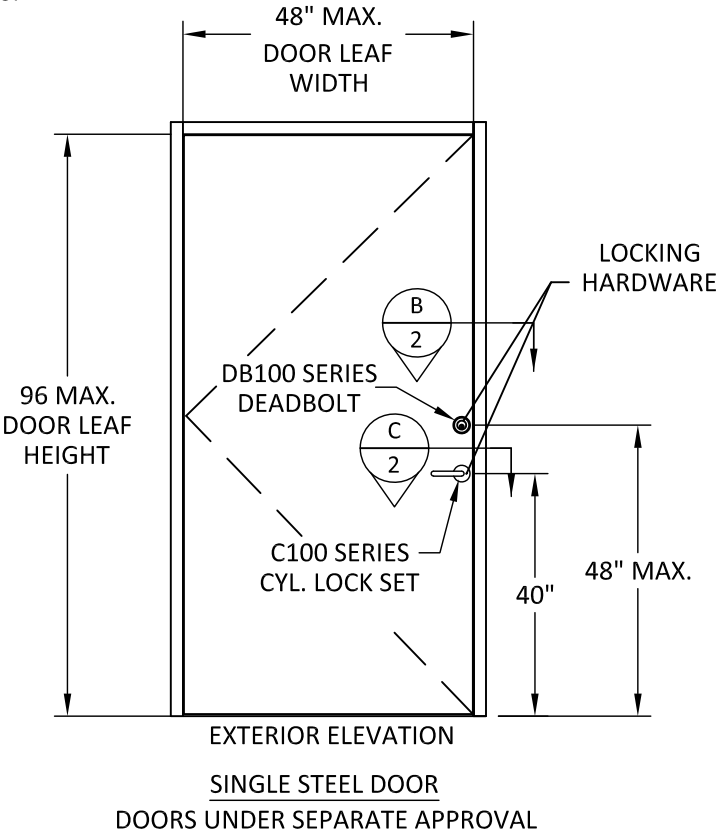


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6161 EAST 75TH STREET
INDIANAPOLIS, IN 46250
PH: (317) 806-3288 FX: (317) 806-3337

TITLE: dormakaba DB100 SERIES DEADBOLTS WITH C100 SERIES LEVERSET
GENERAL NOTES, ELEVATION, AND SECTION VIEWS

PREPARED BY: BUILDING DROPS, INC.

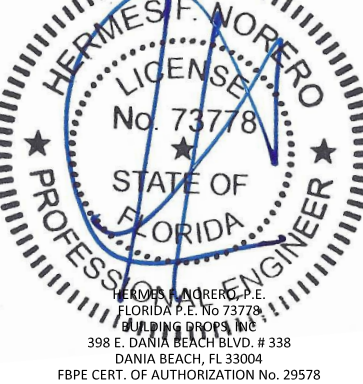
398 E. DANIA BEACH BLVD., STE. 338
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REMARKS	BY	DATE
FBC 2020 UPDATE	LL	07/22

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FRO A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENT 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: 2022.08.14 22:14:02 -0400



FL16202

DATE: 04/06/2020

DWG. BY: YC

CHK. BY: HFN

SCALE: NTS

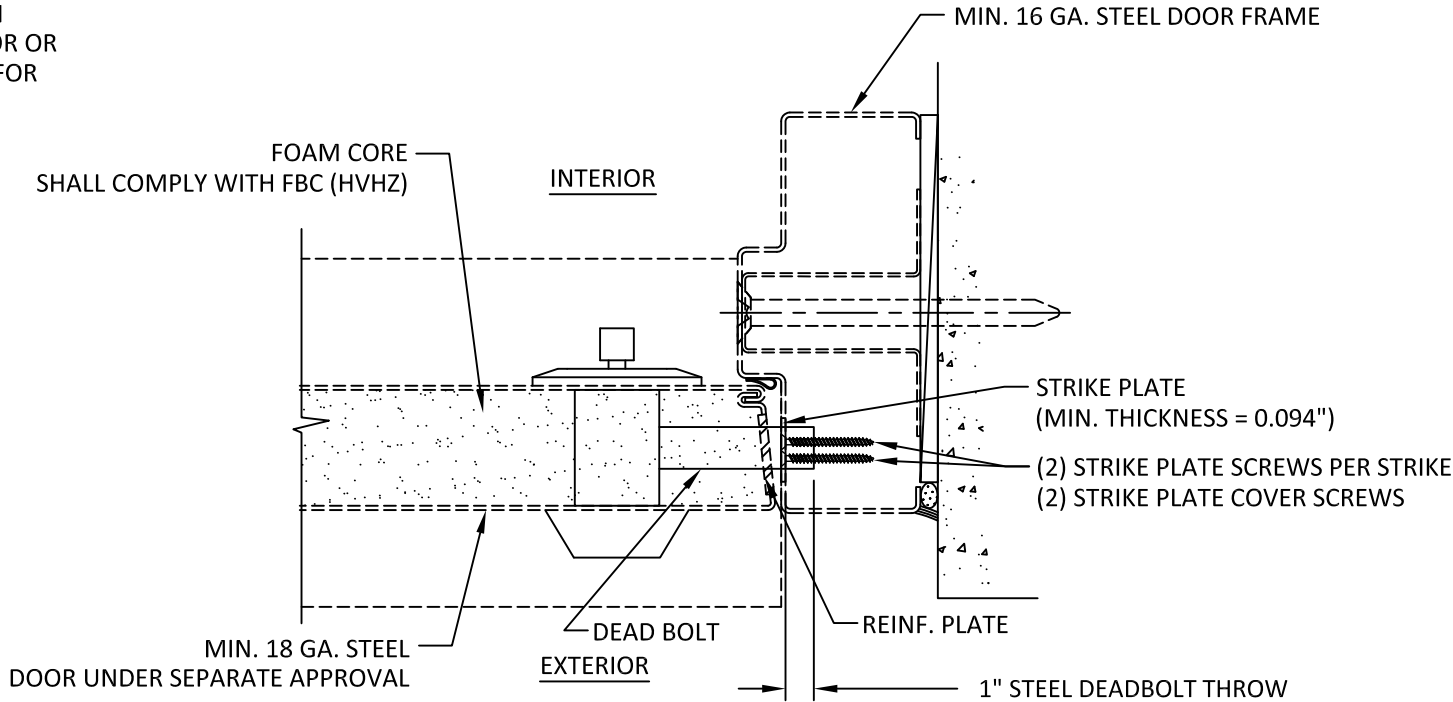
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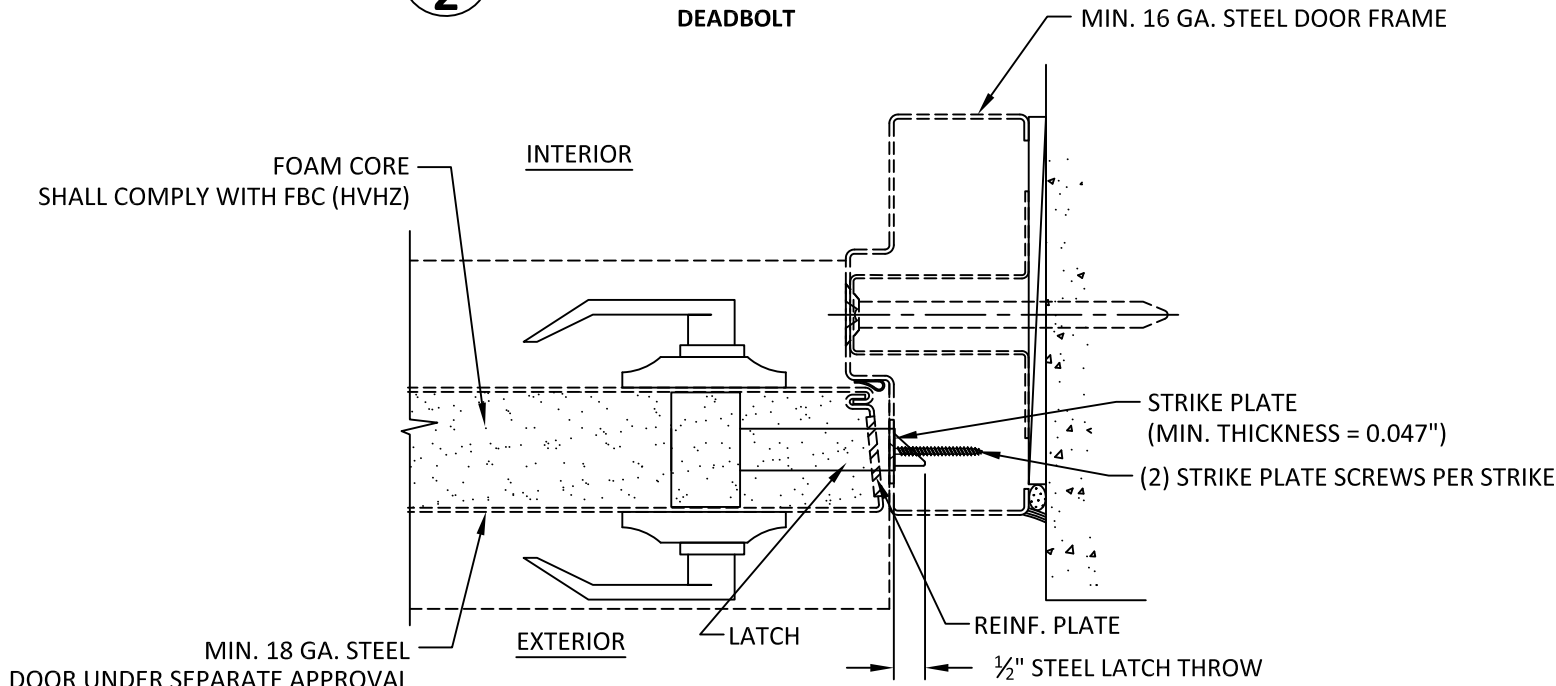
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NOTE: SEE APPROVED DOOR UNDER SEPARATE CURRENT NOA FOR DOOR ASSEMBLY, INSTALLATION AND DESIGN PRESSURE RATINGS, LOWER DESIGN PRESSURE OF LOCKING HARDWARE OR DOOR OR MULLION (IF APPLICABLE) SHALL CONTROL FOR ENTIRE ASSEMBLY.



B
2 **HORIZONTAL SECTION**
DB100 SERIES DEADBOLT



C
2 **HORIZONTAL SECTION**
C100 SERIES LEVERSET



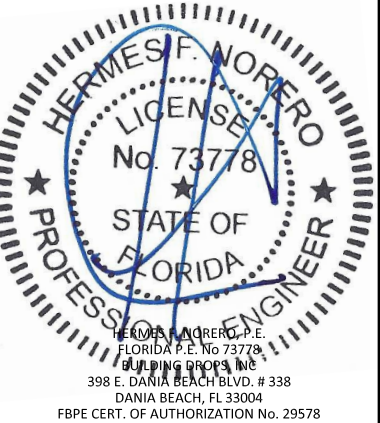
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SECTION VIEWS

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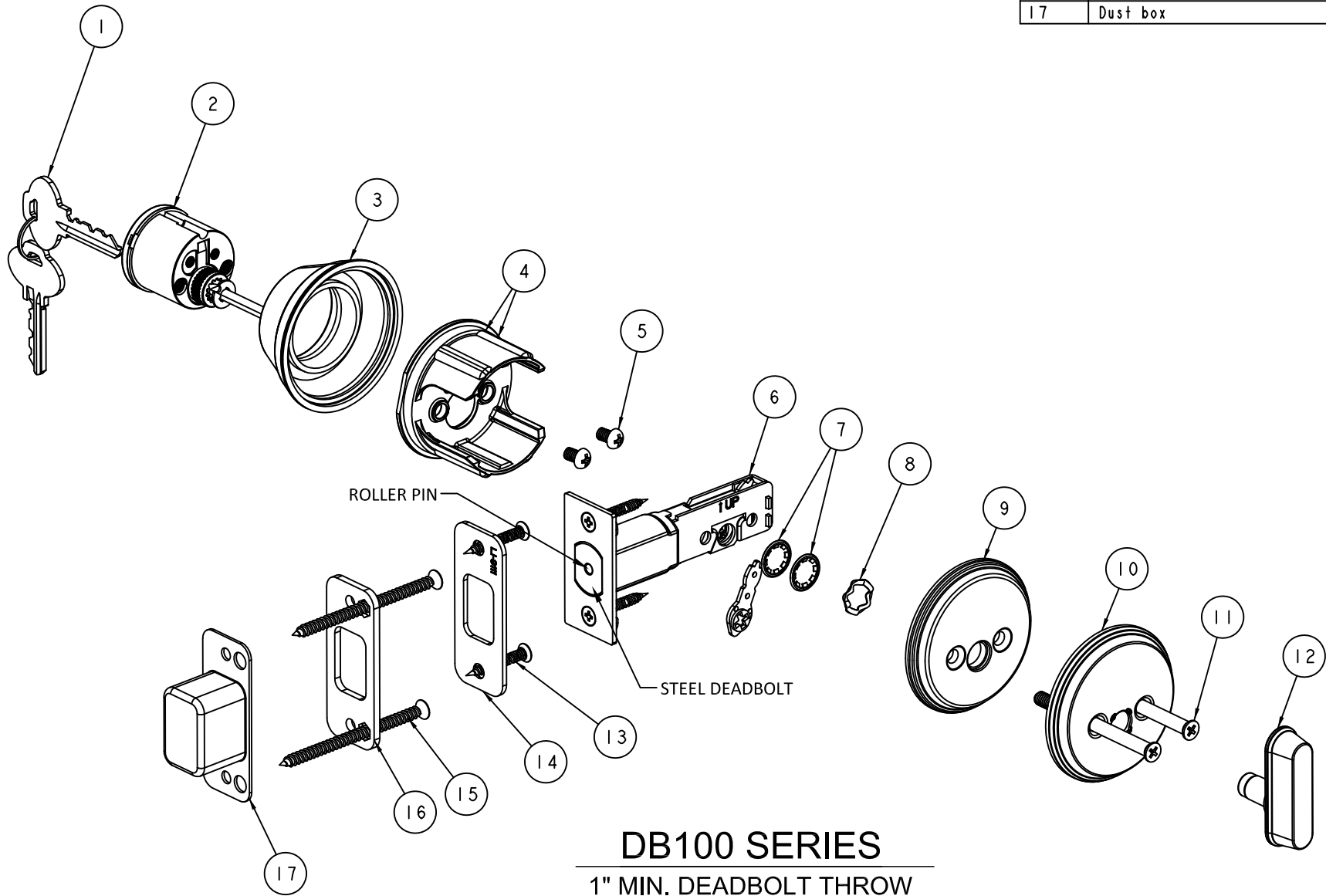
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DB100 SERIES AUXILIARY DEADBOLTS			
TO BE USED WITH C100 SERIES LEVERSET			
MAX. DESIGN PRESSURE RATING-PSF (48" WIDE X 96" HIGH SINGLE LEAF DOORS)			
HARDWARE MODEL (GRADE 1)	CONFIG.	EXT. (+)	INT. (-)
DB100 SERIES	SINGLE	75.0	75.0
	TWO SINGLE W/ MULLION	65.0	65.0



DB100 SERIES
1" MIN. DEADBOLT THROW
(BRASS LATCH CASING WITH HARDENED
STEEL ROLLER PIN)

NO	Component	Spec	Qty	Remark
1	Key	CU	2	
2	Single cylinder		1	
3	Outside rose maunting	brass forged	1	
4	Anti-pry	ZAMAK3	1	
5	Anti-Pry screw	steel	2	
6	Latch Casing	Brass with hardened steel pin	1	
7	Circular external rings	Ø9.7x12.6 0.4†	2	
8	Circular external rings	0.3† Ø14.5	1	
9	Inside rose hourting	steel	1	
10	Inside rose plate	CU. SUS 0.4†	1	
11	One way screw	10B21 #12-24 L=68	2	
12	Turn button	ZAMAK3	1	
13	#8 X 1-1/4" FH SCREWS	SAE GR. 5	2	
14	Strike plate	SUS 2.0†	1	
15	#8 X 3" FH SMS		2	
16	Strike plate cover	S45C3.0 heat-treatment	1	HRC30-35°
17	Dust box	POM	1	



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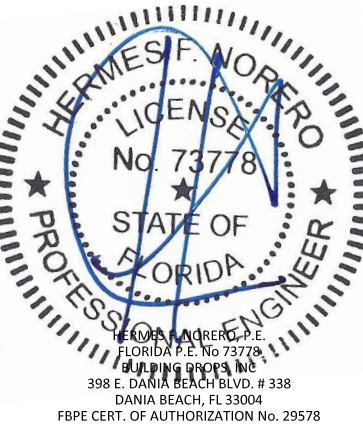
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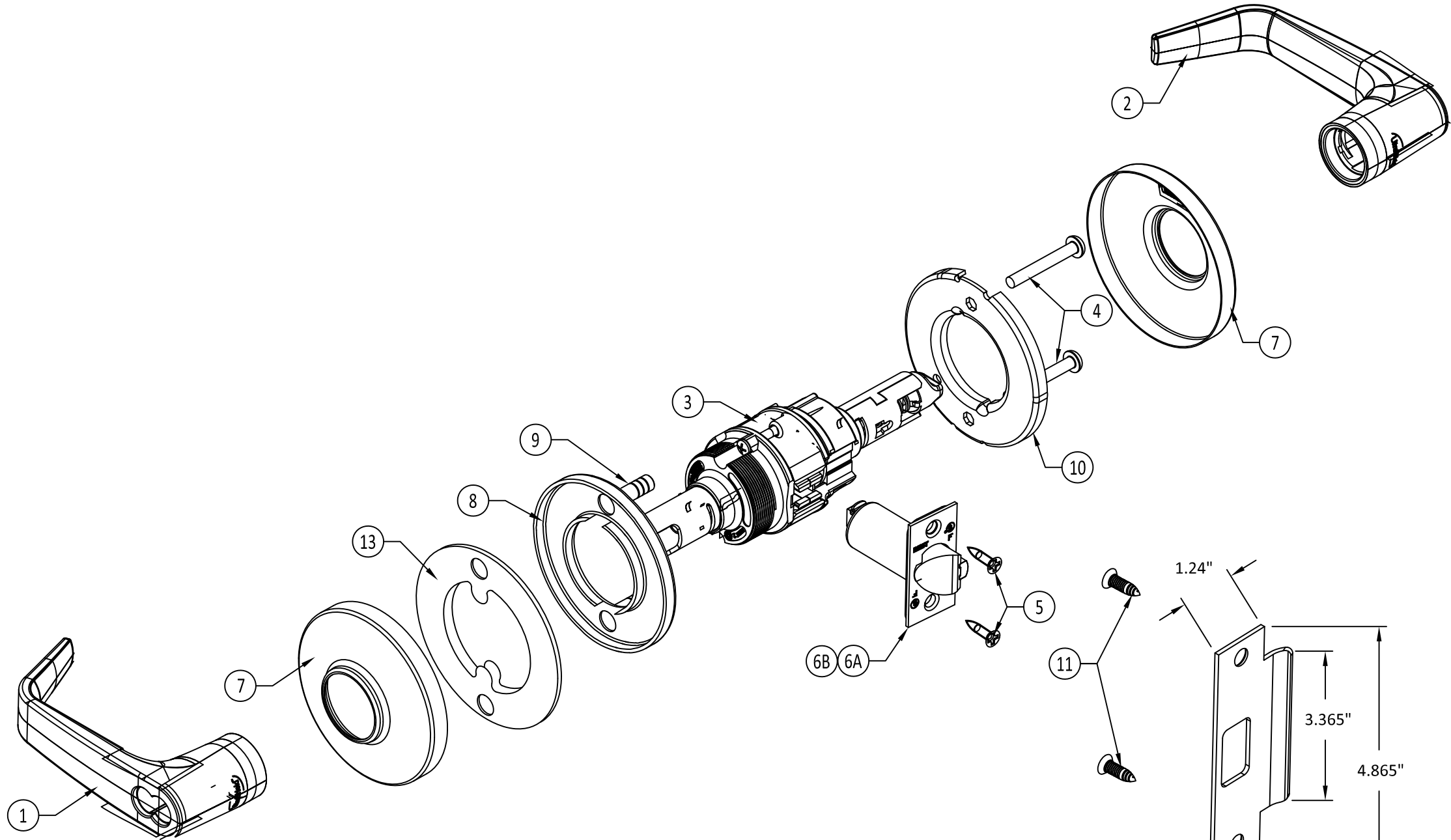
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DWG. #: DOR018

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C100 SERIES CYLINDRICAL LOCKSET

SINGLE DOOR OR DOUBLE DOOR APPLICATIONS
SEE SHEET 3 FOR DESIGN PRESSURES
SEE SHEET 5 FOR BILL OF MATERIALS



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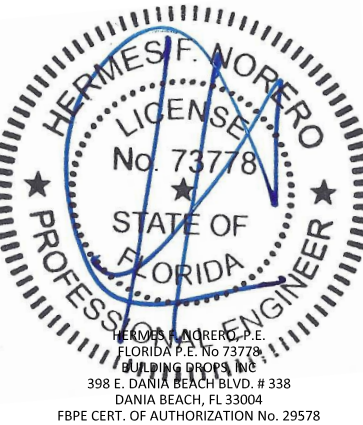
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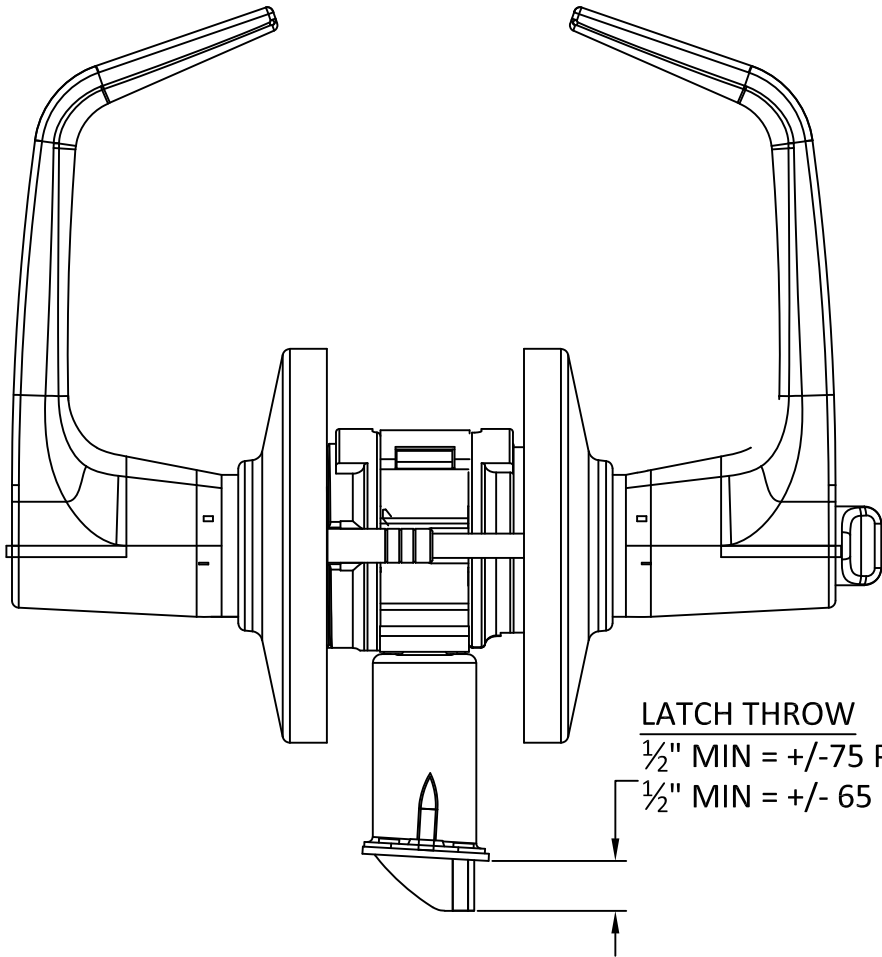
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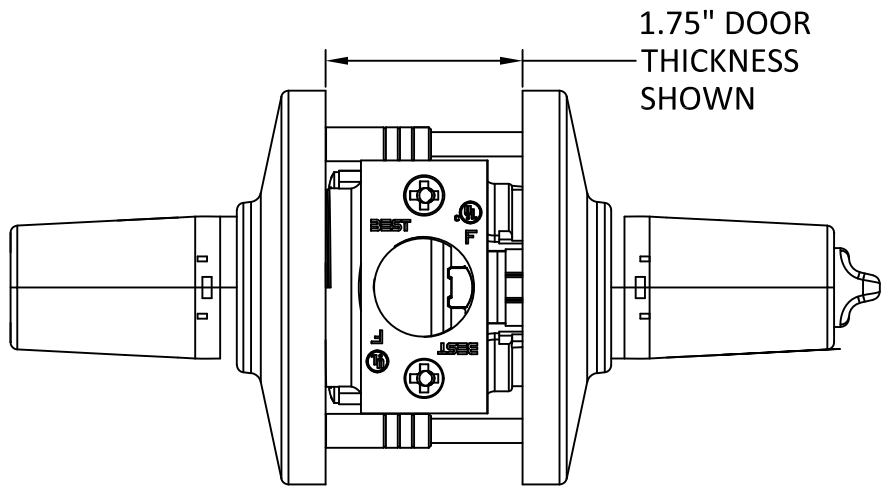
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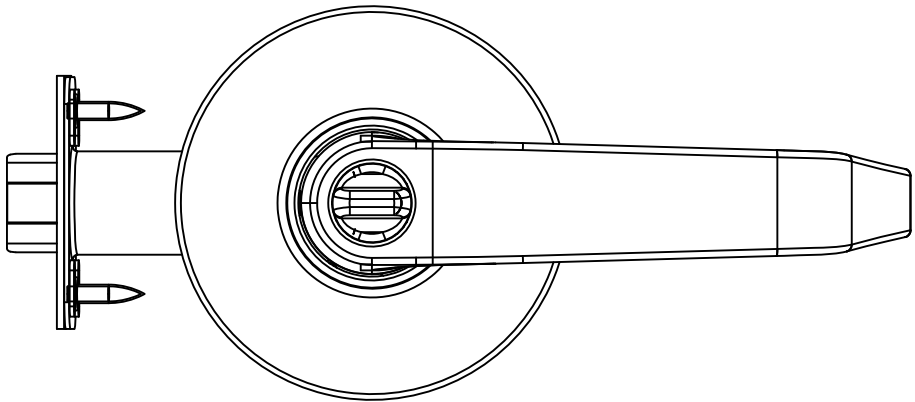


C100 SERIES CYLINDRICAL LOCKSET
TOP ORTHO VIEW



C100 SERIES CYLINDRICAL LOCKSET
SIDE ORTHO VIEW

MATERIAL & PARTS LIST					
ITEM	DRAWING	DESCRIPTION	APPROXIMATE SIZE	MATERIAL	REQ'D
1	D55168	#15 STYLE KEYED LEVER HANDLE FOR C100	5.414 X 2.095 X 1.260	ZINC	1
2	D91201	#15 STYLE BUTTON LEVER HANDLE FOR C100	5.414 X 2.095 X 1.260	ZINC	1
3	C91053	CHASSIS ASSEMBLY "53" FUNCTION	Ø2.075 X 7.103	STEEL	1
4	A55557	CLAMP FOR C100	#12-24 X 1.625	STEEL	2
5	A25359	COMBINATION SCREW # 8-32	#8-32 X .750	STEEL	2
6A	C54680	DEADLOCKING LATCH & FACEPLATE ASSEMBLY FOR C100 (¾" THROW)	2.248 X 1.123 X 2.626	STEEL	1
6B	C54680	DEADLOCKING LATCH & FACEPLATE ASSEMBLY FOR C100 (⅝" THROW)	2.248 X 1.123 X 2.626	STEEL	1
7	C81795	LARGE ROSE	Ø3.499 X .788	BRASS	2
8	C91021	CL 100 LARGE O/S LINER	Ø3.499 X .240	STEEL	1
9	B91024	THREADED ANTI-ROTATION STUD	Ø 301 X 1.137	STEEL	2
10	D91203	LARGE NON-IC LEVER	Ø3.499 X .240	STEEL	1
11	A18724	#12-24/#12-12 X 3/4" UNDERCUT PFHCS, GR. 5	#12-24 X .750	STEEL	2
12	B25641	4 7/8" STRIKE FOR C100	4.865 X 1.240 X .091	BRASS	1
13	B91022	ANTI-ROTATION PLATE	Ø2.750 X .010	STEEL	1



C100 SERIES CYLINDRICAL LOCKSET
FRONT ORTHO VIEW



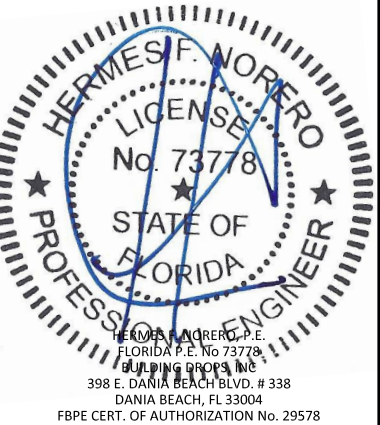
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