

6/22/2023 9:00 AM

GENERAL NOTES FOR DETEX SERIES H-ECL- 230X (SINGLE POINT LOCK) AND H-ECL-230X-TBD (3 POINT LOCK) DEVLCES FOR SINGLE AND DOUBLE DOOR (18 GAUGE) APPLICATLON:

1. DETEX DEAD BOLT PANIC HARDWARE SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (PAD) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE CURRENT FLORIDA BUILDING CODE. DETEX DEAD BOLT PANIC HARDWARE MAY BE INSTALLED WITHIN HIGH VELOCITY HURRICANE ZONES.

DESIGN WIND LOADS SHALL BE DETERMINED AS PER CHAPTER 16 OF THE ABOVE MENTIONED CODE, USING ASCE 7 FOR INSTALLATIONS UNDER CURRENT FBC AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2.

THIS PRODUCTS ADEQUACY FOR WIND, IMPACT AND CYCLIC RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH CHAPTER 16 OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-202, TAS-203, PER HURRICANE TEST LABORATORY REPORT # C2828.01-450-18 AND PER NATIONAL CERTIFIED TESTING LABORATORIES REPORT # NCTL-210-4016-01, PERFORMED AS PER CHAPTER 16 OF THE CURRENT FLORIDA BUILDING CODE.

2. MAX. A.S.D. DESIGN PRESSURE RATING PANIC EXIT DEVICE (COMPONENT APPROVAL) SINGLE DOORS:

POSITIVE	+70
NEGATIVE	-65

3. DETEX DEAD BOLT PANIC HARDWARE SHALL COMPLY WITH SECTIONS 1010.1.2, 1010.2.2, 1010.2.3, 1010.2.9 AND 1101 OF THE CURRENT FLORIDA BUILDING CODE AND ALL OTHER RELEVANT APPLICABLE SECTIONS OF THE CODE.

4. DETEX DEAD BOLT PANIC HARDWARE CAN BE SUPPLIED FOR SINGLE OR DOUBLE STEEL COMMERCIAL DOOR WITH 16 GA. STEEL FRAME AND 18 GA. STEEL DOOR.

5. ALL REINFORCEMENTS TO BE SPOT WELDED OR BETTER BY DOOR MANUFACTURER.

6. ALL DIMENSIONS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S STANDARD INSTALLATION

7. DETEX DEAD BOLT PANIC HARDWARE CAN BE SUPPLIED AS A SINGLE POINT LOCK, H-ECL-230X SERIES OR AS A 3 POINT LOCK, H-ECL-230X-TDB SERIES.

8. DETEX DEAD BOLT PANIC HARDWARE CAN BE SUPPLIED WITH AN ALARM. THE PERFORMANCE OF ELECTRIFIED FEATURE IS NOT PART OF THIS APPROVAL, BUT SHALL BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY.

9. DETEX DEAD BOLT PANIC HARDWARE CAN BE SUPPLIED WITH THE FOLLOWING TRIM DESIGNATIONS: 01T, 03T, 01PP, 03PP AND INSIDE PULL (IP).

10. (A) THIS P.A.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEViate FROM THE P.A.D.

(B) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HE/SHE DOES NOT DEViate FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(C) THIS P.A.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

(D) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D. ENGINEER OF RECORD, ACTING AS DELEGATED ENGINEER TO THE P.A.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

(E) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

11. PANIC DEVICE'S MANUFACTURER LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION. ONE LABEL SHALL BE PLACED FOR EVERY UNIT. LABEL SHALL READ AS FOLLOWS:

DETEX CORPORATION OR DETEX COMPANY LOGO

NEW BRAUNFELS, TEXAS 78130

H-ECL-230X SERIES

FLORIDA PRODUCT APPROVAL SYSTEM APPROVED SERIES OR MODEL #.

BILL OF MATERIAL FOR DETEX SERIES H-ECL- 230X (SINGLE POINT LOCK) AND H-ECL-230X-TBD (3 POINT LOCK) DEVICES FOR SINGLE AND DOUBLE DOOR (18 GAUGE) APPLICATION:				
ITEM	DESCRIPTION	COMMENTS	QTY PER DOOR	MATERIAL
1	MIAMI-DADE COUNTY APPROVED DOOR & FRAME SEE LIMITATIONS BELOW		1	
2	DETEX DEAD BOLT PANIC HARDWARE, H-ECL-230X SERIES DETEX DEAD BOLT PANIC HARDWARE, H-ECL-230X-TDB SERIES	SINGLE POINT 3 POINT	1	STEEL, 302 S.S., 13 GA. CRS, ALUMINUM
3	MOUNTING PLATE		1	12 GA. (.105) CRS
4	ENDCAP BRACKET		1	12 GA. (.105) CRS
5	ENDCAP		1	ABS PLASTIC (P/N 103641)
6	OUTSIDE TRIM (SEE GENERAL NOTE 9)	OPTIONAL	1	01T - 11 GA. (120) CRS
				03T- 11 GA. (120) CRS
				01PP- 11 GA. (120) CRS
				03PP- 11 GA. (120) CRS
7	INSIDE PULL	OPTIONAL	1	IP - 11 GA. (120) CRS
8	CENTERCASE COVER		1	DIE CAST ALUMINUM
9	STRIKE (SURFACE OR FLUSH) (230X & 230X-TDB)	REVERSIBLE	1	S.S. 302 INVESTMENT, CAST (FY=30 KSI)
10	TOP LATCH ASSEMBLY (TDB ONLY)	TOP BOLT	1	S.S. 400 SERIES INVESTMENT, CAST (FY=80 KSI)
11	TOP STRIKE (TDB ONLY) (P/N 103634)		1	S.S. 302/304 INVESTMENT, CAST (FY=30 KSI)
12	BOTTOM LATCH ASSEMBLY (TDB ONLY)	BOTTOM BOLT	1	S.S. 400 SERIES INVESTMENT, CAST (FY=80 KSI)
13	BOTTOM STRIKE (TDB ONLY)		1	11 GA. (.12) 302/304 S. S.
13A	#10-24 X 1" PFH SCREW		2	STEEL
14	¼ -20 SOCKET HEAD MACHINE SCREWS		2	
15	¼ -20 FH SOCKET MACHINE SCREW (STRIKE PLATE)		2	
16	¼ -20 BUTTON HEAD SOCKET MACHINE SCREW		2	
17a	5/16-18 FLAT HEAD MACHINE SCREW (MULLION TOP END)		6	
17b	3/8 Ø SNAKE + ANCHORS BY DEWALT W/ 1 1/2" EMBEDMENT, W/ (2) 3/8-16 S.H.C.S. MACHINE SCREW, 3 KSI MIN.		2	ANCHORED TO MIN. 3000 PSI CONCRETE
18	8-32 FHPMS		6 MIN	
19	¼-20 SEX BOLT		6 MIN	STEEL
20	HINGE	PER DOOR	3 MIN	
21	1 3/8" X 7 5/16" LONG MIN STRIKE REINFORCEMENT		1	12 GA. STEEL
22	1 11/16" X 4 3/4" X 18" LONG MIN DEVICE REINFORCEMENT IN DOOR	PER DOOR	1	14 GA. STEEL
23	1 11/16" X 3 1/2" X 9" LONG MIN SURFACE VERTICAL LATCH REINFORCEMENT	PER DOOR	1	14 GA. STEEL
24	2 1/8" X 18" MIN MULLION REINFORCEMENT / SOFFIT	DOUBLE DOOR	1	12 GA. STEEL
25	DETEX REMOVABLE MULLION, H90R		1	2" X 3" X 1/4" WALL TUBE 7' TALL WITH TOP AND BOTTOM FITTINGS ASTM A500 STEEL, GRADE B, SHAPED STRUCTURAL TUBING W / 46.0 KSI YIELD STRENGTH / 58 KSI TENSILE STRENGTH
26	DADE COUNTY N.O.A. LABEL (GENERAL NOTE 11)		1	
27	1" MIN. THROW PANIC EXIT LATCHBOLT		1	HEAT TREATED STEEL POWDER METAL
28	ROD GUIDE		1 MIN/ROD	.090 CRS
28A	#10 X 1" PFH SELF DRILLING		2 MIN	STEEL, ZINC PLATED

LIMITATIONS:

- THIS PANIC DEVICE IS A COMPONENT APPROVED TO BE EQUAL ALTERNATIVE HARDWARE TO BE USED IN SINGLE OR DOUBLE STEEL COMMERCIAL DOORS MADE WITH16 GA. STEEL FRAME AND 18 GA. (.045" MIN.) (FY MIN = 42.5 KSI) 1-3/4" THICK (MIN) STEEL DOOR, HOLDING CURRENT N.O.A. THE LOWEST DESIGN PRESSURE RATING OF THE DOORS OR THE COMPONENT SHALL GOVERN.
- THE DOORS SHALL MEET FOLLOWING SPECIFICATIONS:
 - DOOR SLAB MUST NOT BE WIDER THAN 48" AND HIGHER THAN 83.5". THE DOOR SHALL BE 1-3/4" MIN. OVERALL THICKNESS, HONEYCOMB CORE OR FOAM CORE COMPLYING WITH FBC REQUIREMENTS MAY BE USED.
 - 8 GA. STEEL HINGE PLATE REINFORCEMENT AT HINGE STILE AND AT THE FRAME.
 - MIN. 12 GA. STEEL REINFORCEMENT AT STRIKE PLATE.
- ELECTRICAL INSTALLATION AND FIRE RATING ARE NOT PART OF THIS APPROVAL AND SUCH INSTALLATION MUST BE REVIEWED BY APPLICABLE BUILDING AUTHORITY.



302 DETEX DR.
NEW BRAUNFELS, TX 78130

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DETEX CORPORATION
EXIT LOCKING HARDWARE
SINGLE AND DOUBLE DOOR
(18 GAUGE) APPLICATION

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004

PH: (954)399-8478
FAX: (954)744-4738

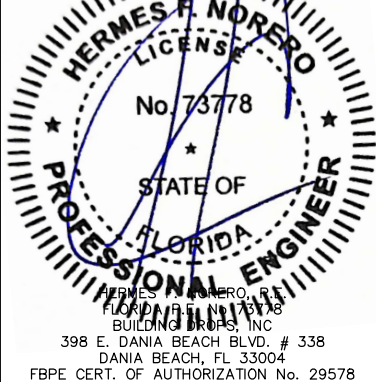
WEB: www.buildingdrops.com



REMARKS	BY	DATE
8TH FBC CODE CHANGE	MG	06/23

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: 2023.06.16 16:02:04 -04'00'



FL #:

FL20728

DATE: 06.16.2020

DWG. BY:
NUS

CHK. BY:
HFN

SCALE: NTS

DWG. #: DTX004

SHEET:

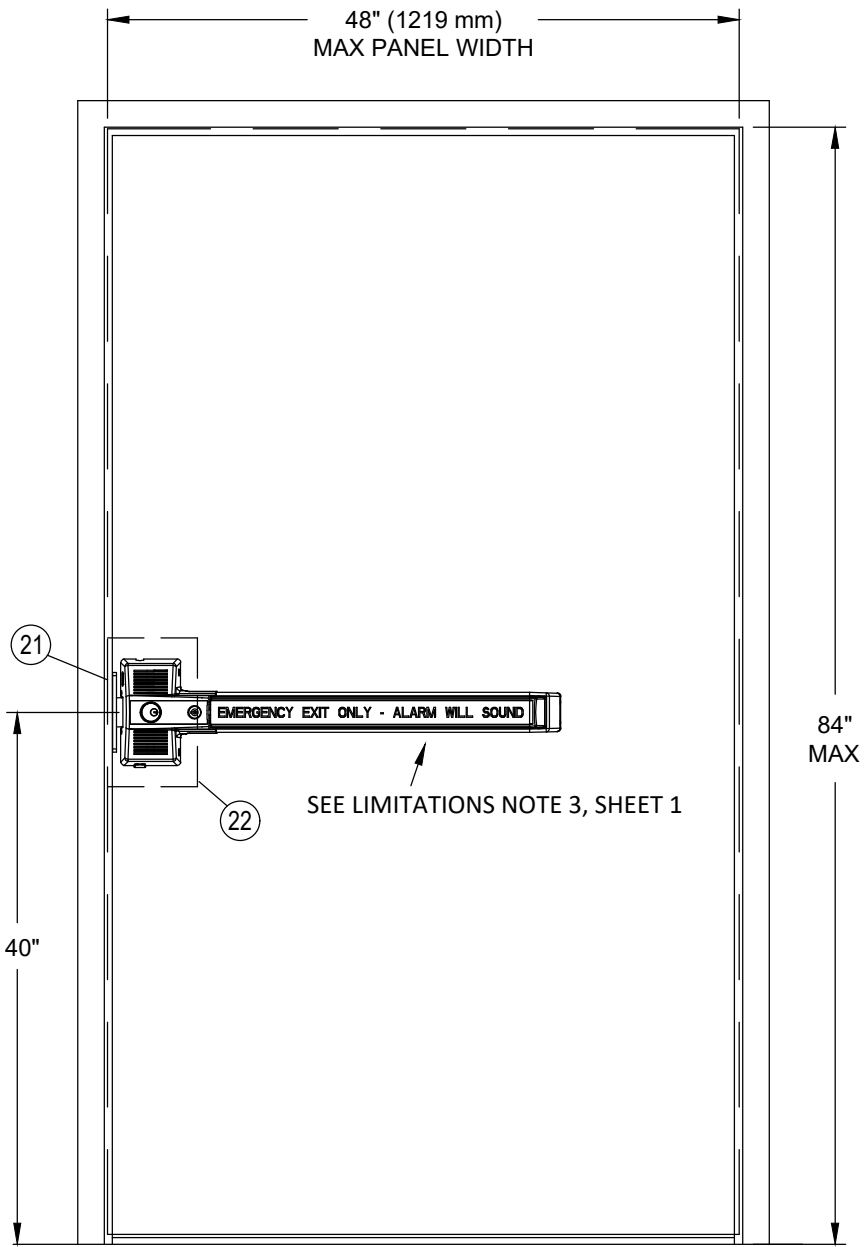
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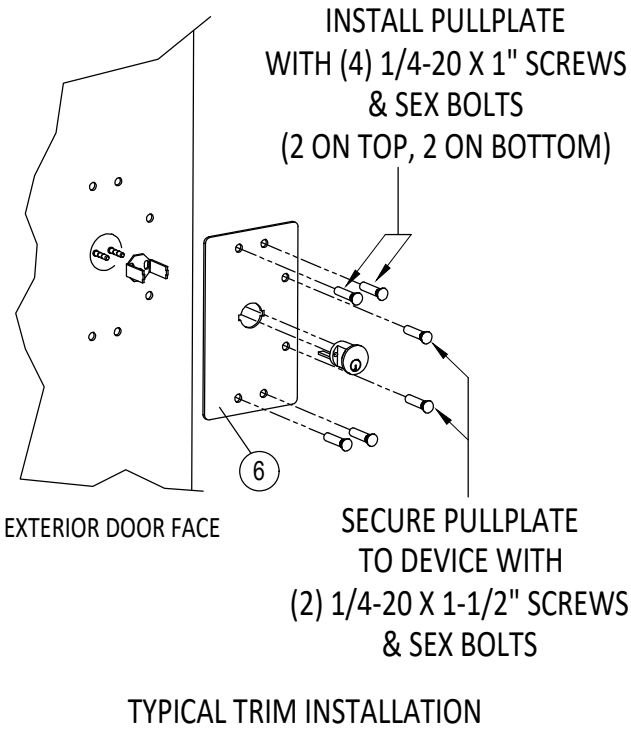
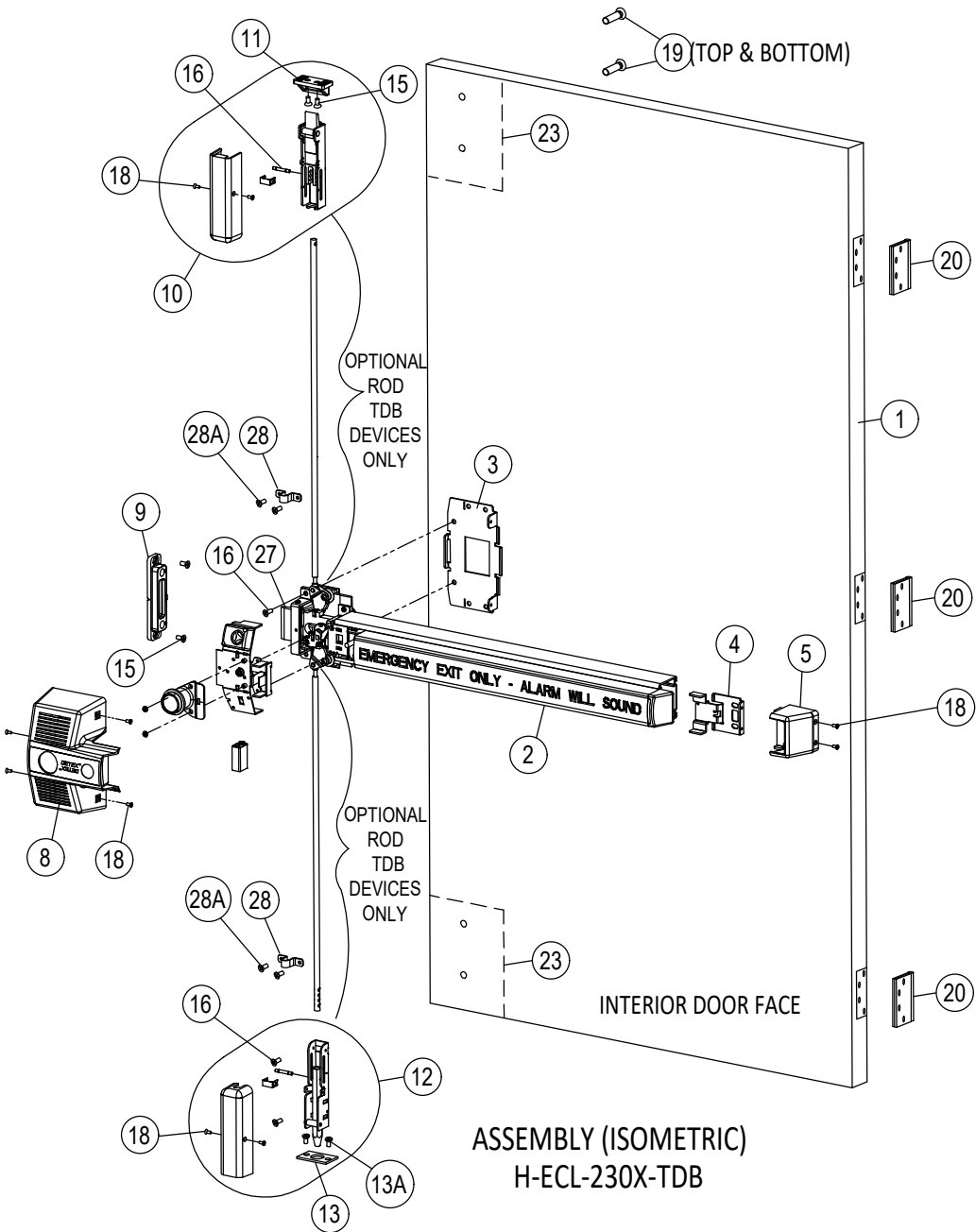
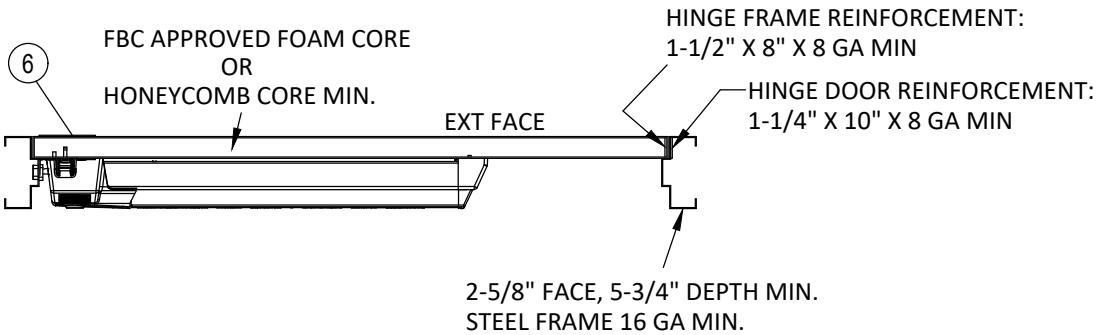
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6/22/2023 9:00 AM
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DETEX SERIES H-ECL-230X (SINGLE POINT) OR H-ECL-230X-TDB (3 POINT) FOR 18 GAUGE DOOR



SINGLE DOOR, SINGLE POINT
RIM (H-ECL-230X) SHOWN
3 POINT (H-ECL-230X-TDB) OPTIONAL
INTERIOR DOOR FACE



MAX A.S.D. DESIGN PRESSURE RATING
PANIC EXIT DEVICE
(COMPONENT APPROVAL)
SINGLE DOOR

POSITIVE	+ 70 PSF
NEGATIVE	- 65 PSF

DETEX

302 DETEX DR.
NEW BRAUNFELS, TX 78130

PH: (830) 629-2900
FX: (800) 729-3839

DETEX CORPORATION
EXIT LOCKING HARDWARE
SINGLE AND DOUBLE DOOR
(18 GAUGE) APPLICATION

TITLE:

PREPARED BY:

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
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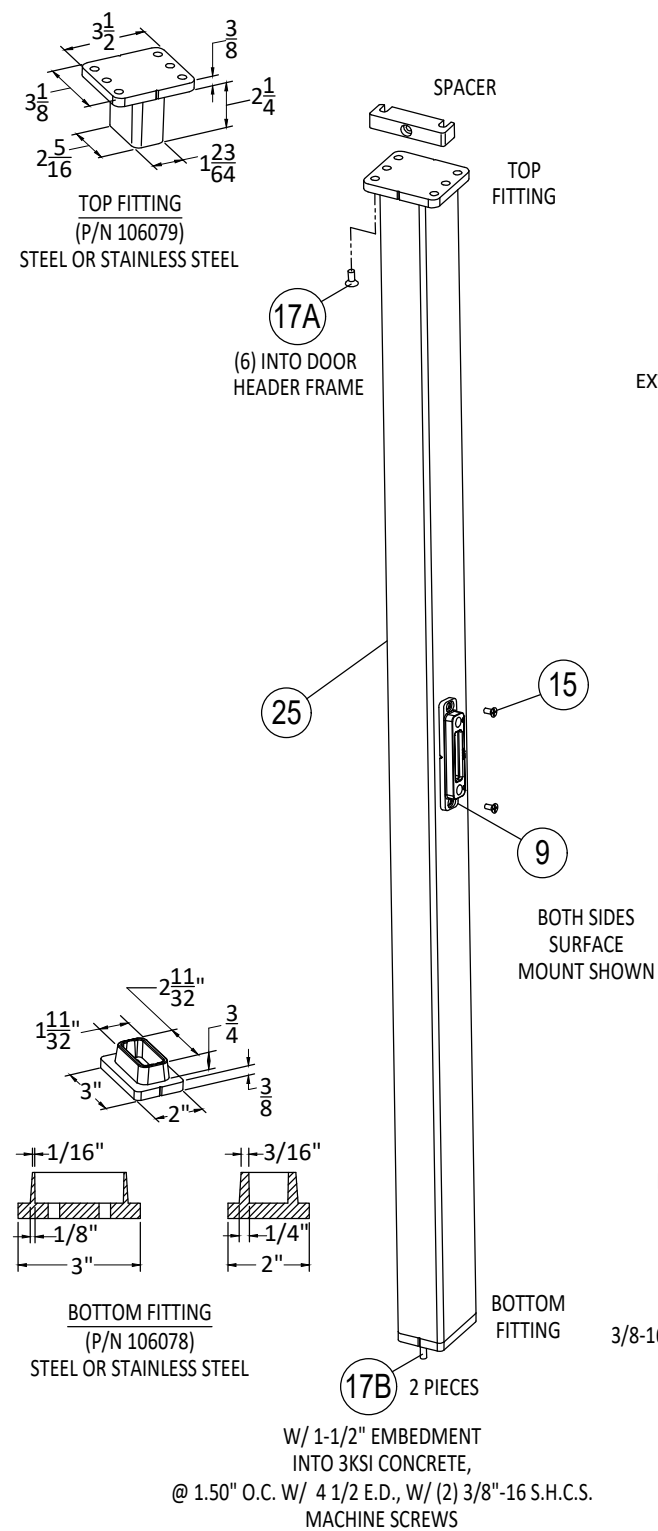


REMARKS	BY	DATE
8TH FBC CODE CHANGE	MG	06/23

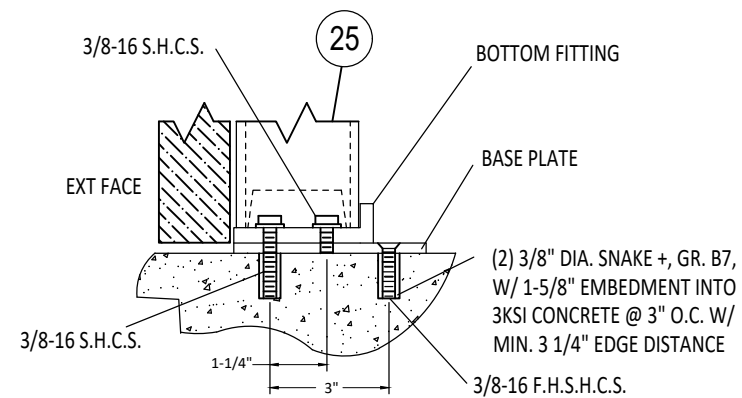
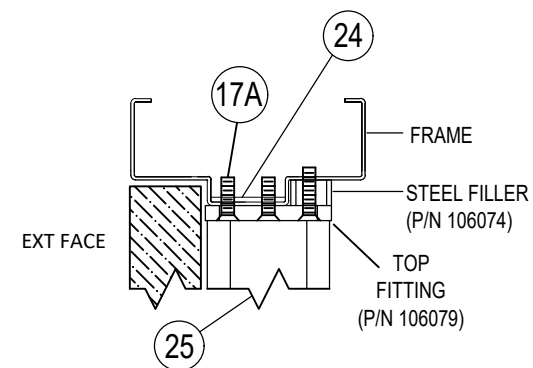
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FL #:	FL20728
DATE:	06.16.2020
DWG. BY:	NUS
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	DTX004
SHEET:	2



POSITIVE	+ 70 PSF
NEGATIVE	- 65 PSF

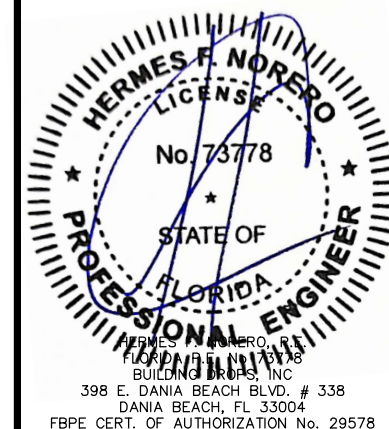


DETEX H90R (REMOVABLE MULLION)



REMARKS	BY	DATE
8TH FBC CODE CHANGE	MG	06/23

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FL #: **FL20728**

DATE: 06.16.2020

DWG. BY: NUS	CHK. BY: HFN
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SCALE: NTS

DWG. #: DTX004

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6/22/2023 9:00 AM
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GENERAL NOTES FOR DETEX SERIES H-ECL-230X-TBD (3 POINT LOCK) DEVLCES FOR SINGLE AND DOUBLE DOOR (16 GAUGE) APPLICATION:

1. DETEX DEAD BOLT PANIC HARDWARE SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (PAD) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE CURRENT FLORIDA BUILDING CODE. DETEX DEAD BOLT PANIC HARDWARE MAY BE INSTALLED WITHIN HIGH VELOCITY HURRICANE ZONES.

DESIGN WIND LOADS SHALL BE DETERMINED AS PER CHAPTER 16 OF THE ABOVE MENTIONED CODE, USING ASCE 7 FOR INSTALLATIONS UNDER THE CURRENT FBC AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2.

THIS PRODUCTS ADEQUACY FOR WIND, IMPACT AND CYCLIC RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH CHAPTER 16 OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-202, TAS-203, PER HURRICANE TEST LABORATORY REPORT # C3375.01-450-18 AND PER NATIONAL CERTIFIED TESTING LABORATORIES REPORT # NCTL-210-4016-01 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER CHAPTER 16 OF THE CURRENT FLORIDA BUILDING CODE.

2. MAX. A.S.D. DESIGN PRESSURE RATING 3 PT PANIC EXIT DEVICE (COMPONENT APPROVAL) SINGLE DOORS:

POSITIVE	+80
NEGATIVE	-65

3. DETEX DEAD BOLT PANIC HARDWARE SHALL COMPLY WITH SECTIONS 1010.1.2, 1010.2.2, 1010.2.3, 1010.2.9 AND 1101 OF THE FLORIDA BUILDING CODE AND ALL OTHER RELEVANT APPLICABLE SECTIONS OF THE CODE.

4. DETEX DEAD BOLT PANIC HARDWARE CAN BE SUPPLIED FOR SINGLE OR DOUBLE STEEL COMMERCIAL DOOR WITH 16 GA. STEEL FRAME AND 16 GA. STEEL DOOR.

5. ALL REINFORCEMENTS TO BE SPOT WELDED OR BETTER BY DOOR MANUFACTURER.

6. ALL DIMENSIONS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S STANDARD INSTALLATION

7. DETEX DEAD BOLT PANIC HARDWARE CAN BE SUPPLIED AS A 3 POINT LOCK, H-ECL-230X-TDB SERIES.

8. DETEX DEAD BOLT PANIC HARDWARE CAN BE SUPPLIED WITH AN ALARM. THE PERFORMANCE OF ELECTRIFIED FEATURE IS NOT PART OF THIS APPROVAL, BUT SHALL BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY.

9. DETEX DEAD BOLT PANIC HARDWARE CAN BE SUPPLIED WITH THE FOLLOWING TRIM DESIGNATIONS: 01T, 03T, 01PP, 03PP AND INSIDE PULL (IP).

10. (A) THIS P.A.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEViate FROM THE P.A.D.

(B) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HE/SHE DOES NOT DEViate FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

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(E) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

11. PANIC DEVICE'S MANUFACTURER LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION. ONE LABEL SHALL BE PLACED FOR EVERY UNIT. LABEL SHALL READ AS FOLLOWS:

DETEX CORPORATION OR DETEX COMPANY LOGO

NEW BRAUNFELS, TEXAS 78130

H-ECL-230X SERIES

FLORIDA PRODUCT APPROVAL SYSTEM APPROVED SERIES OR MODEL #.

BILL OF MATERIAL FOR DETEX SERIES H-ECL-230X-TBD (3 POINT LOCK) DEVICES FOR SINGLE AND DOUBLE DOOR (16 GAUGE) APPLICATION:				
ITEM	DESCRIPTION	COMMENTS	QTY PER DOOR	MATERIAL
1	MIAMI-DADE COUNTY APPROVED DOOR & FRAME SEE LIMITATIONS BELOW		1	
2	DETEX DEAD BOLT PANIC HARDWARE, H-ECL-230X-TDB SERIES	3 POINT	1	STEEL, 302 S.S., 13 GA. CRS, ALUMINUM
3	MOUNTING PLATE		1	12 GA. (.105) CRS
4	ENDCAP BRACKET		1	12 GA. (.105) CRS
5	ENDCAP		1	ABS PLASTIC (P/N 103641)
6	OUTSIDE TRIM (SEE GENERAL NOTE 9	OPTIONAL	1	01T - 11 GA. (120) CRS 03T- 11 GA. (120) CRS 01PP- 11 GA. (120) CRS 03PP- 11 GA. (120) CRS
7	INSIDE PULL	OPTIONAL	1	IP - 11 GA. (120) CRS
8	CENTERCASE COVER		1	DIE CAST ALUMINUM
9	STRIKE (SURFACE OR FLUSH) (230X & 230X-TDB)	REVERSIBLE	1	S.S. 302 INVESTMENT, CAST (FY=30 KSI)
10	TOP LATCH ASSEMBLY (TDB ONLY)	TOP BOLT	1	S.S. 400 SERIES INVESTMENT, CAST (FY=80 KSI)
11	TOP STRIKE (TDB ONLY) (P/N 103634)		1	S.S. 302 INVESTMENT, CAST (FY=30 KSI)
12	BOTTOM LATCH ASSEMBLY (TDB ONLY)	BOTTOM BOLT	1	S.S. 400 SERIES INVESTMENT, CAST (FY=80 KSI)
13	BOTTOM STRIKE (TDB ONLY)		1	11 GA. (.12) 302/304 S. S.
13A	#10-24 X 1" PFH SCREW		2	STEEL
14	¼ -20 SOCKET HEAD MACHINE SCREWS		2	
15	¼ -20 FH SOCKET MACHINE SCREW (STRIKE PLATE)		2	
16	¼ -20 BUTTON HEAD SOCKET MACHINE SCREW		2	
17a	5/16-18 FLAT HEAD MACHINE SCREW (MULLION TOP END)		6	
17b	3/8 Ø SNAKE + ANCHORS BY DEWALT W/ 1 1/2" EMBEDMENT, W/ (2) 3/8-16 S.H.C.S. MACHINE SCREW 3 KSI MIN.		2	ANCHORED TO MIN. 3000 PSI CONCRETE
18	8-32 FHPMS		6 MIN	
19	¼-20 SEX BOLT		6 MIN	STEEL
20	HINGE	PER DOOR	3 MIN	
21	1 3/8" X 7 5/16" LONG MIN STRIKE REINFORCEMENT		1	12 GA. STEEL
22	1 11/16" X 4 3/4" X 18" LONG MIN DEVICE REINFORCEMENT IN DOOR	PER DOOR	1	14 GA. STEEL
23	1 11/16" X 3 1/2" X 9" LONG MIN SURFACE VERTICAL LATCH REINFORCEMENT	PER DOOR	1	14 GA. STEEL
24	2 1/8" X 36" MIN MULLION REINFORCEMENT / SOFFIT	DOUBLE DOOR	1	12 GA. STEEL
25	DETEX REMOVABLE MULLION, H90R		1	2" X 3" X 1/4" WALL TUBE 7' TALL WITH TOP AND BOTTOM FITTINGS ASTM A500 STEEL, GRADE B, SHAPED STRUCTRUAL TUBING W / 46.0 KSI YIELD STRENGTH / 58 KSI TENSILE STRENGTH
26	DADE COUNTY N.O.A. LABEL (GENERAL NOTE 11)		1	
27	1" MIN. THROW LATCHBOLT		1	HEAT TREATED STEEL POWDER METAL
28	ROD GUIDE		1 MIN/ROD	.090 CRS
28A	#10 X 1" PFH SELF DRILLING		2 MIN	STEEL, ZINC PLATED

LIMITATIONS:

- THIS PANIC DEVICE IS A COMPONENT APPROVED TO BE EQUAL ALTERNATIVE HARDWARE TO BE USED IN SINGLE OR DOUBLE STEEL COMMERCIAL DOORS MADE WITH 16 GA. STEEL FRAME AND 16 GA. (.053" MIN.) (FY MIN = 47.7 KSI) 1-3/4" THICK (MIN) STEEL DOOR, HOLDING CURRENT N.O.A. THE LOWEST DESIGN PRESSURE RATING OF THE DOORS OR THE COMPONENT SHALL GOVERN.
- THE DOORS SHALL MEET FOLLOWING SPECIFICATIONS:
 - DOOR SLAB MUST NOT BE WIDER THAN 48" AND HIGHER THAN 83.5". THE DOOR SHALL BE 1 3/4" MIN. OVERALL THICKNESS, HONEYCOMB CORE OR FOAM CORE COMPLYING WITH FBC REQUIREMENTS MAY BE USED.
 - 8 GA. STEEL HINGE PLATE REINFORCEMENT AT HINGE STILE AND AT THE FRAME.
 - MIN. 12 GA. STEEL REINFORCEMENT AT STRIKE PLATE.
- ELECTRICAL INSTALLATION AND FIRE RATING ARE NOT PART OF THIS APPROVAL AND SUCH INSTALLATION MUST BE REVIEWED BY APPLICABLE BUILDING AUTHORITY.



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TITLE:

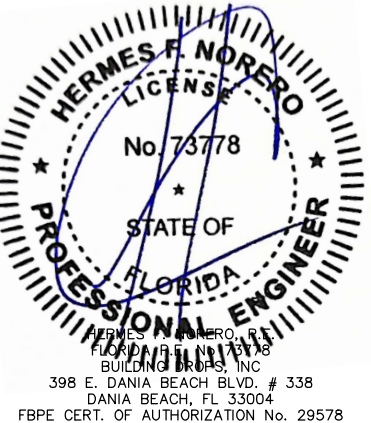
DETEX CORPORATION
EXIT LOCKING HARDWARE
SINGLE AND DOUBLE DOOR
(16 GAUGE) APPLICATION

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REMARKS	BY	DATE
8TH FBC CODE CHANGE	MG	06/23
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.		



HERMES F. NORERO, P.E.
FLORIDA
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL20728

DATE: 06.16.2020

DWG. BY: NUS	CHK. BY: HFN
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SCALE: NTS

DWG. #: DTX004

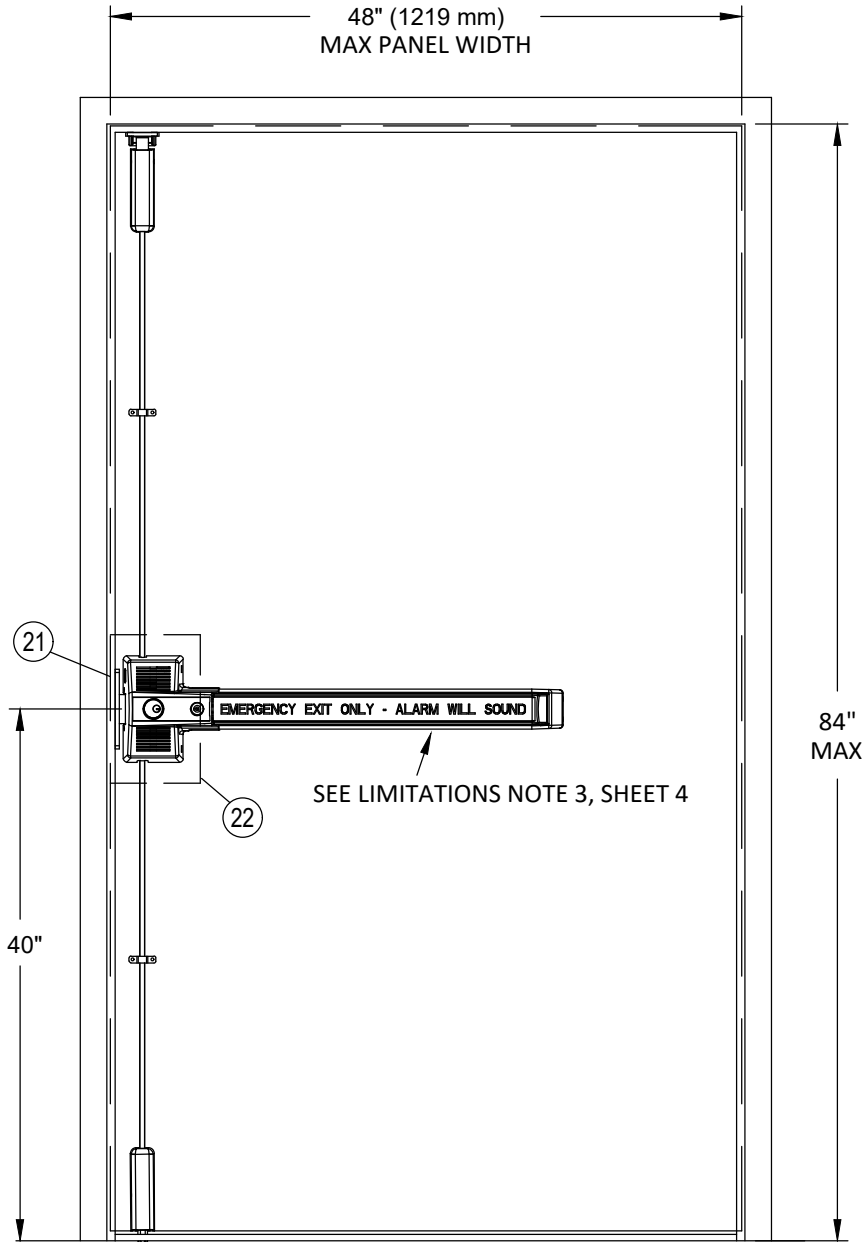
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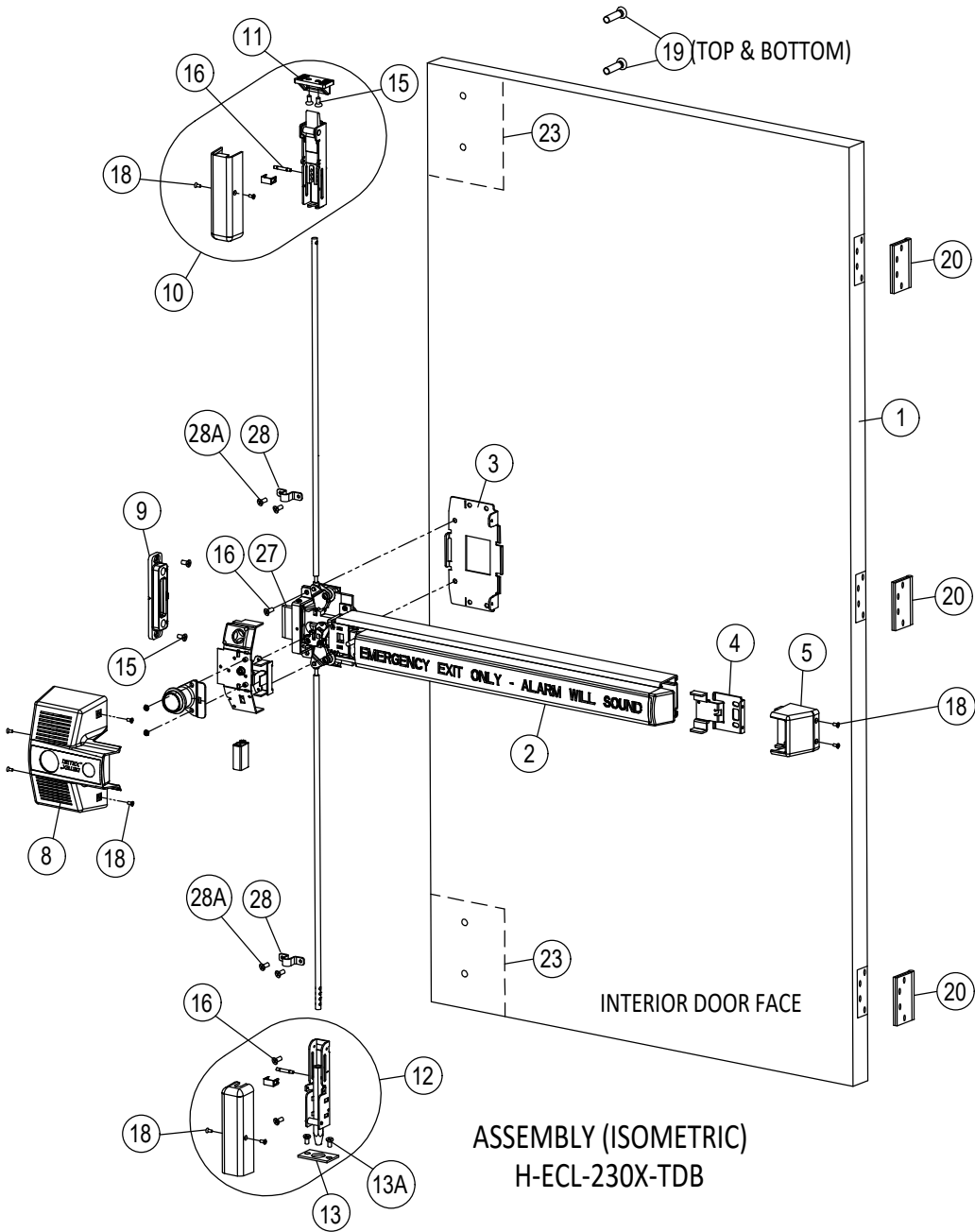
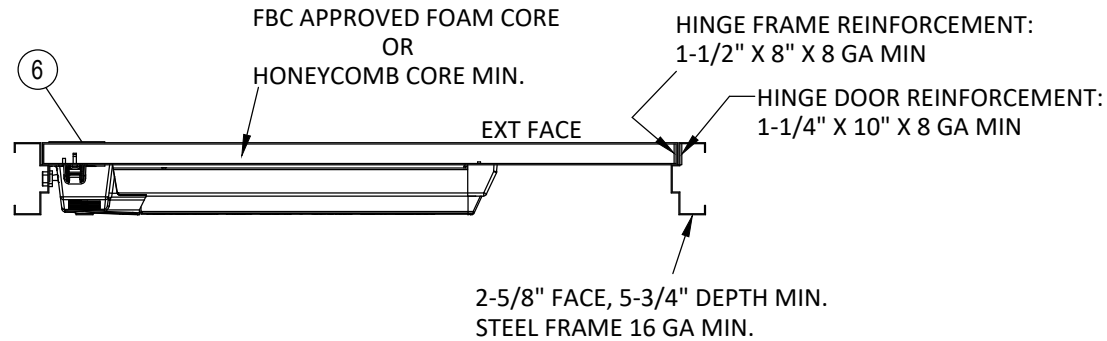
OF 6

6/22/2023 9:00 AM
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DETEX SERIES H-ECL-230X-TDB (3 POINT) FOR 16 GAUGE DOOR

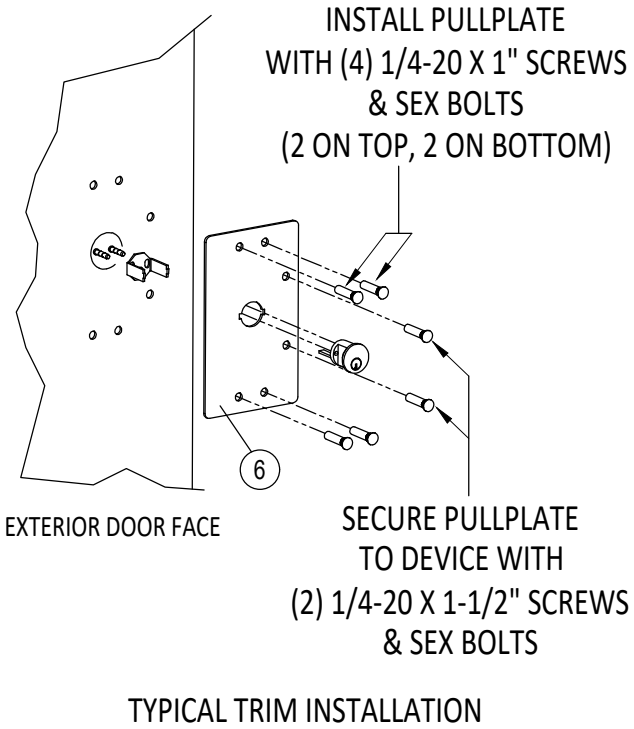


SINGLE DOOR, 3 POINT
(H-ECL-230X-TDB) SHOWN
INTERIOR DOOR FACE



MAX A.S.D. DESIGN PRESSURE
RATING
3 PT PANIC EXIT DEVICE
(COMPONENT APPROVAL)
SINGLE DOOR

POSITIVE	+ 80 PSF
NEGATIVE	- 80 PSF



302 DETEX DR.
NEW BRAUNFELS, TX 78130
PH: (830) 629-2900
FX: (800) 729-3839

DETEX CORPORATION
EXIT LOCKING HARDWARE
SINGLE AND DOUBLE DOOR
(16 GAUGE) APPLICATION

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



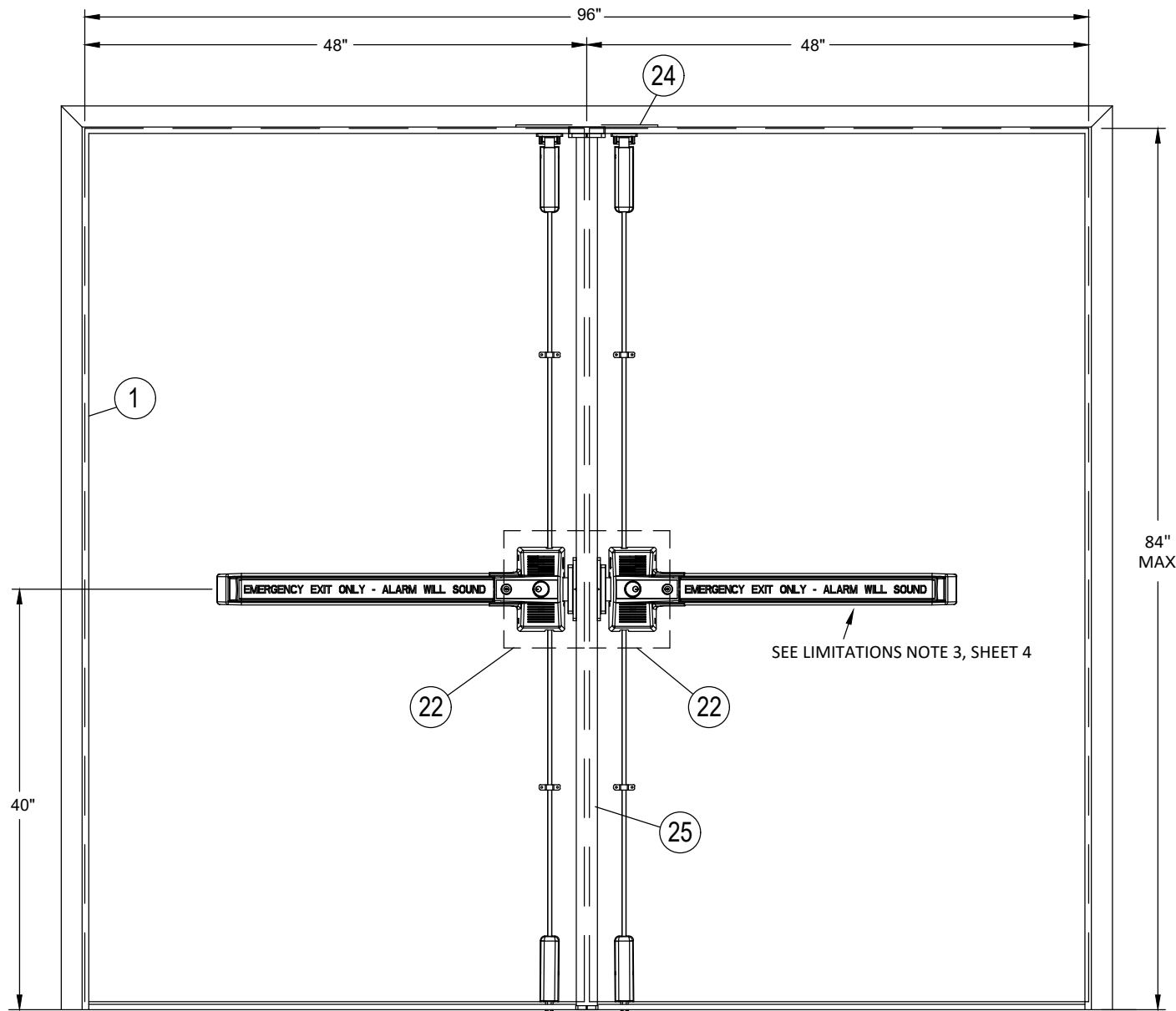
REMARKS	BY	DATE
8TH FBC CODE CHANGE	MG	06/23

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.



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DWG. BY:	NUS
CHK. BY:	HFN
SCALE:	NTS
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SHEET:	5

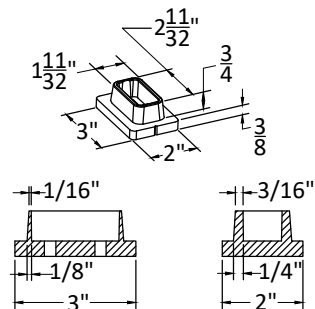
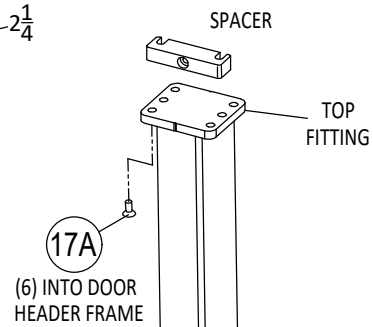
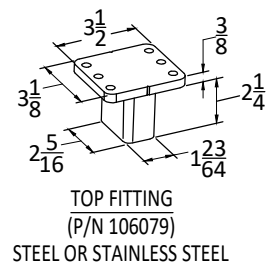
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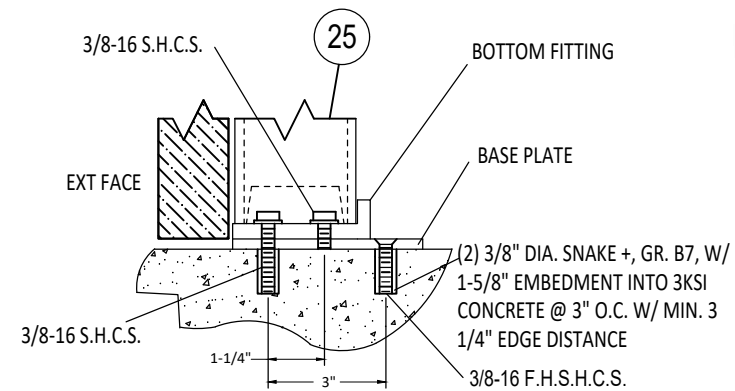
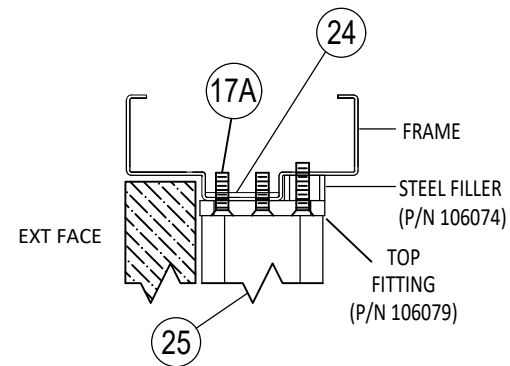
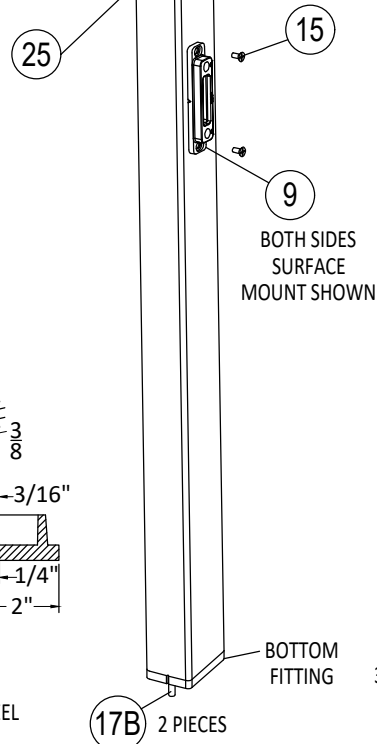
INTERIOR DOOR FACE
DOUBLE DOOR w/DETEX REMOVABLE MULLION
3 POINT (H-ECL-230X-TDB)

MAX A.S.D. DESIGN PRESSURE RATING
3 PT PANIC EXIT DEVICE
(COMPONENT APPROVAL)
DOUBLE DOOR AND
DETEX REMOVABLE MULLION

POSITIVE	+ 80 PSF
NEGATIVE	- 80 PSF



W/ 1-1/2" EMBEDMENT
INTO 3KSI CONCRETE,
@ 1.50" O.C. W/ 4 1/2 E.D., W/ (2) 3/8"-16 S.H.C.S.
MACHINE SCREWS



DETEX H90R (REMOVABLE MULLION)

DETEX

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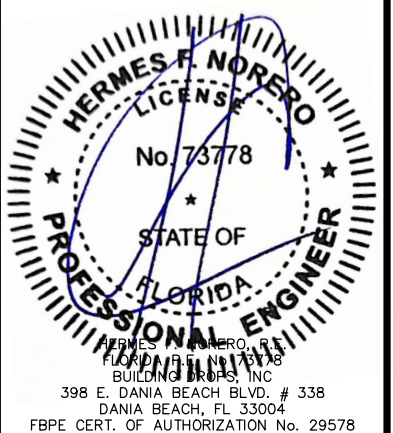
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DETEX CORPORATION
EXIT LOCKING HARDWARE
SINGLE AND DOUBLE DOOR
(16 GAUGE) APPLICATION

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