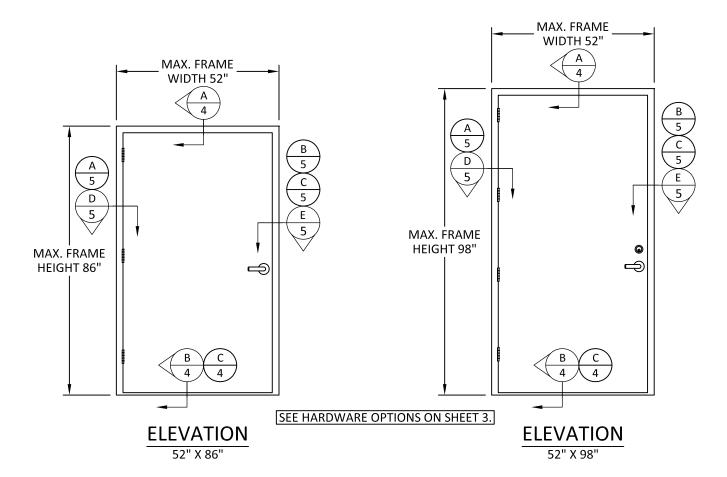
## PREMIER STEEL DOORS & FRAMES

# SWR-S18-4 SEVERE WINDSTORM RATED DOOR - OUTSWING (IMPACT)



	E	
FRAME SIZE	DESIGN PRESSURE	MISSILE RATING
52" X 86"	+/-50 PSF	LARGE & SMALL
52" X 98"	+/-65 PSF	MISSILE IMPACT

TABLE OF CONTENTS		
SHEET	SHEET DESCRIPTION	
1	GENERAL NOTES, DESIGN PRESSURE TABLE AND	
_	TYPICAL ELEVATIONS	
2	DOOR PANEL DETAILS	
3	HARDWARE OPTIONS	
4	VERTICAL SECTIONS	
5	HORIZONTAL SECTIONS	
6	ANCHOR LAYOUT AND INSTALLATION NOTES	
7	ANCHOR LAYOUT	
8	COMPONENTS AND BILL OF MATERIALS	

#### **GENERAL NOTES:**

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND 2018 INTERNATIONAL RESIDENTIAL CODE (IRC). ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - ASTM 330-14
  - ASTM E1886-13a
  - ASTM E1996-14a
  - TAS 201-94
  - TAS 202-94
  - TAS 203-94
- 2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/
  MASONRY, 2X AND METAL STUD FRAMING AS A MAIN WIND
  FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND
  TRANSFERRING APPLIED PRODUCT LOADS TO THE
  FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR
  ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 4. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF  $\pm 1/4$  INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 5. 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.
- 6. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- 7. MATERIAL: STEEL



2840 STERLINGTON ROAD MONROE, LA 71203 PH: (318) 361-0796

ES, DESIGN PRESSUR
PICAL ELEVATIONS
PICAL ELEVATIONS
UILDING DROPS, INV
BANIA BEACH BLIVD, STE. 338
DANIA BEACH, R. 33004
DANIA BEACH, R. 33004
DANIA BEACH, R. 33004

GENERAL NOTES, DE
TABLE & TYPICAL
REPARED BY:

SKS BY DATE

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HERMES F. NORERO, P.E. TEXAS P.E. No 118471 BUILDING DROPS, INC 398 E. DANIA BEACH BLVD. # 338 DANIA BEACH, FL 33004 TBPE FIRM NO. 13734

DATE: 10.21.22

DWG. BY:

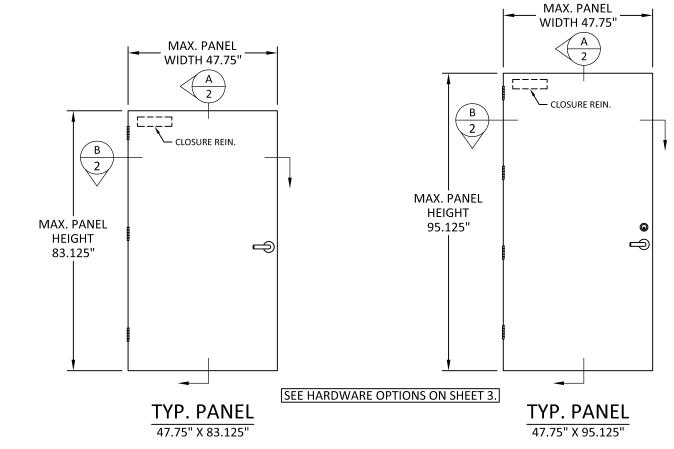
снк. ву: **HFN** 

SCALE: NTS

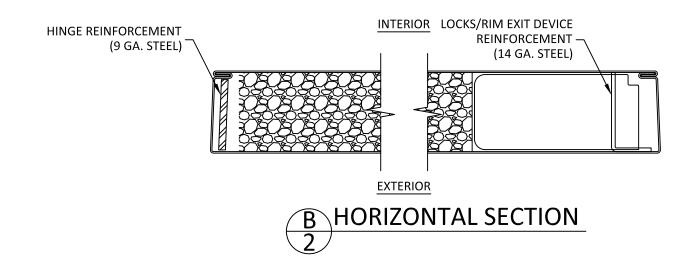
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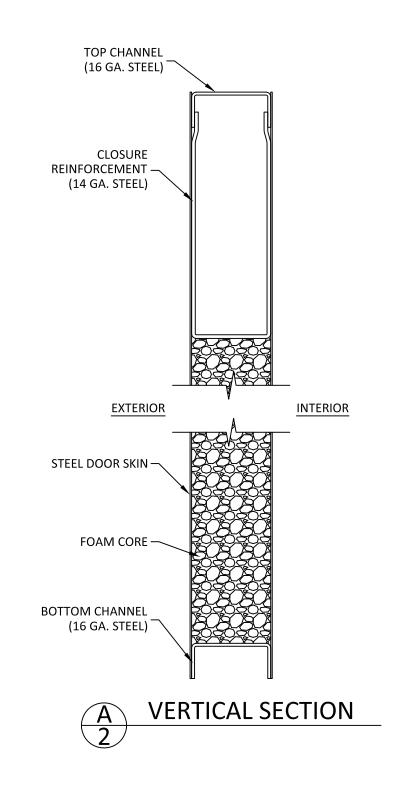
SHEET:





STEEL DOOR SKIN: 18 GA. A60 GALV. (MIN. 0.042" THK.)
CORE MATERIAL: EPS FOAM (POLYSTYRENE - 1.0 PCF MIN. DENSITY)







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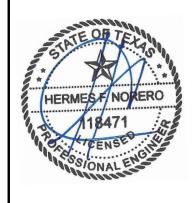
SWR-S18-4 SEVERE
WINDSTORM RATED DOOR
(IMPACT)
DOOR PANEL DETAILS

BUILDING DROPS, I 398 E. Dania Beach Blvd., 5TE. Dania Beach, Fl 33004

REPARED BY: BUI

REMARKS BY DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERI AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFI 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. TEXAS P.E. No 118471 BUILDING DROPS, INC 398 E. DANIA BEACH BLVD. # 338 DANIA BEACH, FL 33004 TBPE FIRM No. 13734

DATE: 10.21.22

DWG. BY:

CHK. BY: HFN NTS

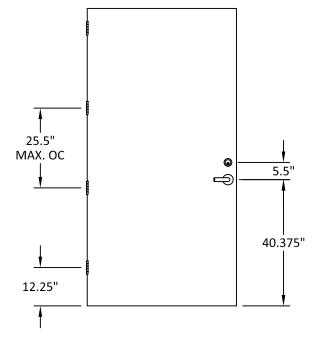
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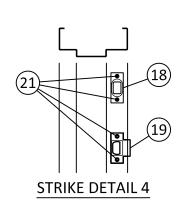
### HARDWARE OPTIONS 47.75" X 83.125" PANEL DP +/- 50 PSF SARGENT 10 LINE G05 CYLINDRICAL LOCK HINGE OPTION 1: 4-1/2" X 4-1/2" STANDARD HINGE 32.25" MAX. OC $\Rightarrow$ 39.563' 11.5" HINGE DETAIL 1 STRIKE DETAIL 1 LOCK OPTION 2: FALCON MA SERIES 571 MORTISE LOCK W/ DEADBOLT HINGE OPTION 1: 32.25" 4-1/2" X 4-1/2" STANDARD HINGE MAX. OC 39.188" 11.5" STRIKE DETAIL 2 LOCK OPTION 3: FALCON 25-R SERIES RIM EXIT DEVICE W/ SCHLAGE B-600 SERIES DEADBOLT HINGE OPTION 1: 32.25" 4-1/2" X 4-1/2" STANDARD HINGE MAX. OC 7.75' 39.5" 11.5" STRIKE DETAIL 3

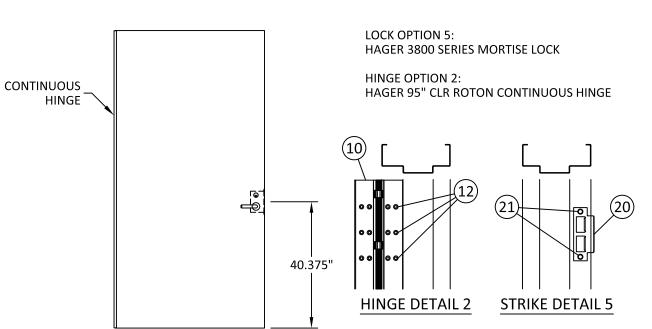
47.75" X 95.125" PANEL DP +/- 65 PSF



LOCK OPTION 4: HAGER 2500 SERIES ENTRY LATCH W/ HAGER 3100 SERIES DEADBOLT

HINGE OPTION 1: 4-1/2" X 4-1/2" STANDARD HINGE







2840 STERLINGTON ROAD MONROE, LA 71203 PH: (318) 361-0796

:: SWR-518-4 SEVERE WINDSTORM RATED DOOR (IMPACT) BUILDING DROPS, I
398 E. DANIA BEACH BLVD., STE.
DANIA BEACH, FL 33004 HARDWARE OPTIONS

REMARKS BY

ND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECII STITE IF STITE CONDITIONS CAUSE INSTALLATION TO DEVIATI 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. TEXAS P.E. No 118471 BUILDING DROPS, INC 398 E. DANIA BEACH BLVD. # 338 DANIA BEACH, FL 33004 TBPE FIRM No. 13734

10.21.22 DATE:

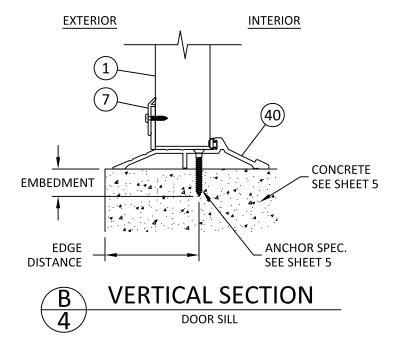
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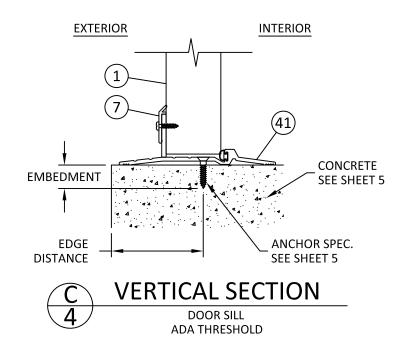
CHK. BY: HFN

NTS SCALE: PRM001 DWG. #:

SHEET:







2840 STERLINGTON ROAD MONROE, LA 71203 PH: (318) 361-0796

SWR-S18-4 SEVERE
WINDSTORM RATED DOOR
(IMPACT)
VERTICAL SECTIONS

BY:

BUILDING DROPS, INC.
398 E. DANIA BEACH, EL 330
DANIA BEACH, FL 33004
PH. (954)399-8478

PREPARED BY

REMARKS BY DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERI
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HERMES F. NORERO, P.E. TEXAS P.E. No 118471 BUILDING DROPS, INC 398 E. DANIA BEACH BLVD. # 338 DANIA BEACH, FL 33004 TBPE FIRM No. 13734

DATE: 10.21.22

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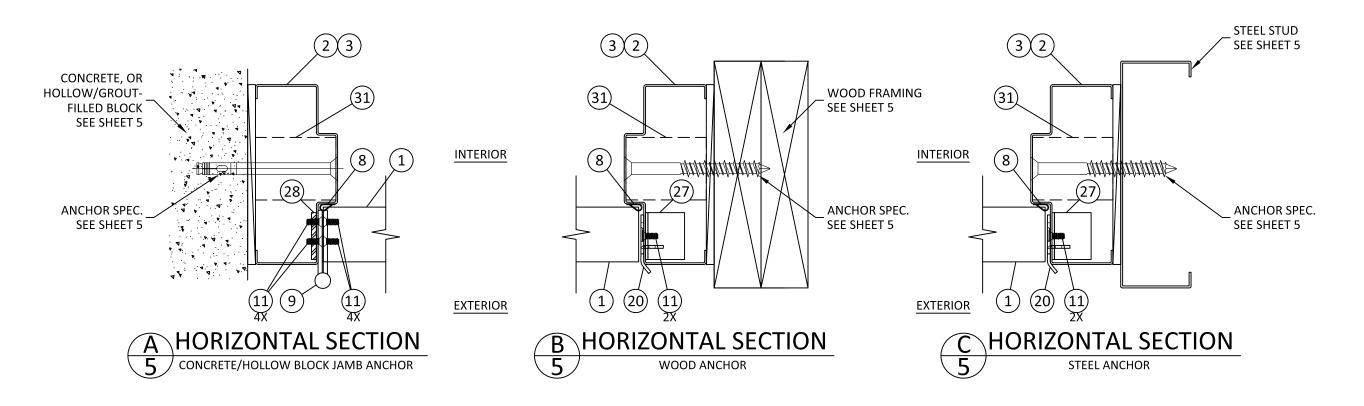
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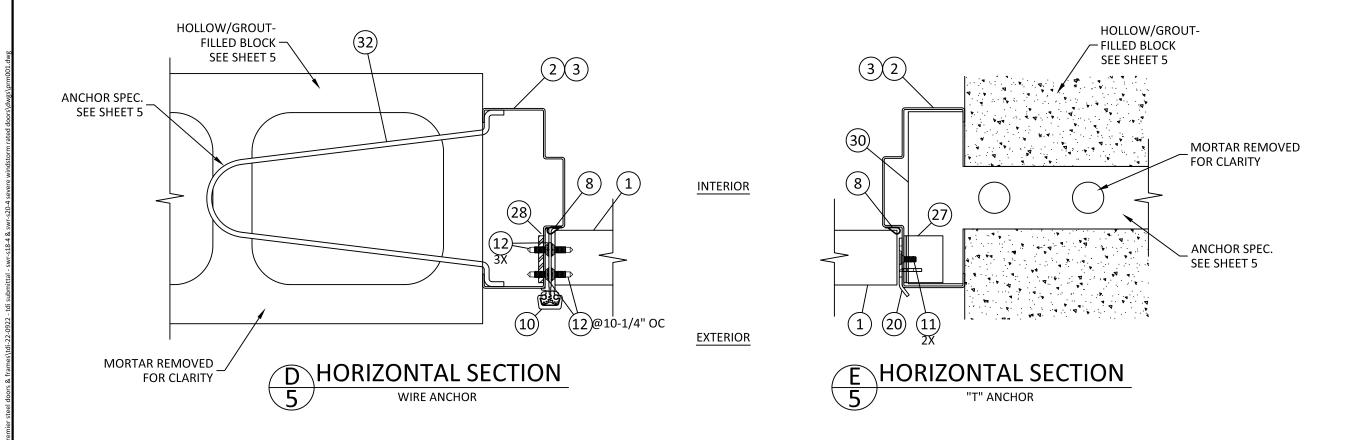
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DWG. #: PRM001

SHEET:









2840 STERLINGTON ROAD MONROE, LA 71203 PH: (318) 361-0796

SWR-S18-4 SEVERE WINDSTORM RATED DOOR (IMPACT) HORIZONTAL SECTIONS

BUILDING DROPS, INC.
398 E. DANIA BEACH, FIL 33004
PH: (954)399-8478
MARCH, FLAX: (954)444738

PRE PARED BY:

REMARKS BY DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC

AND MAY NOTON DETAILS DESCRIBED HEREIT ARE SERVER 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. TEXAS P.E. NO 118471 BUILDING DROPS, INC 398 E. DANIA BEACH BLVD. # 338 DANIA BEACH, FL 33004 TBPE FIRM NO. 13734

DATE: 10.21.22

DWG. BY:

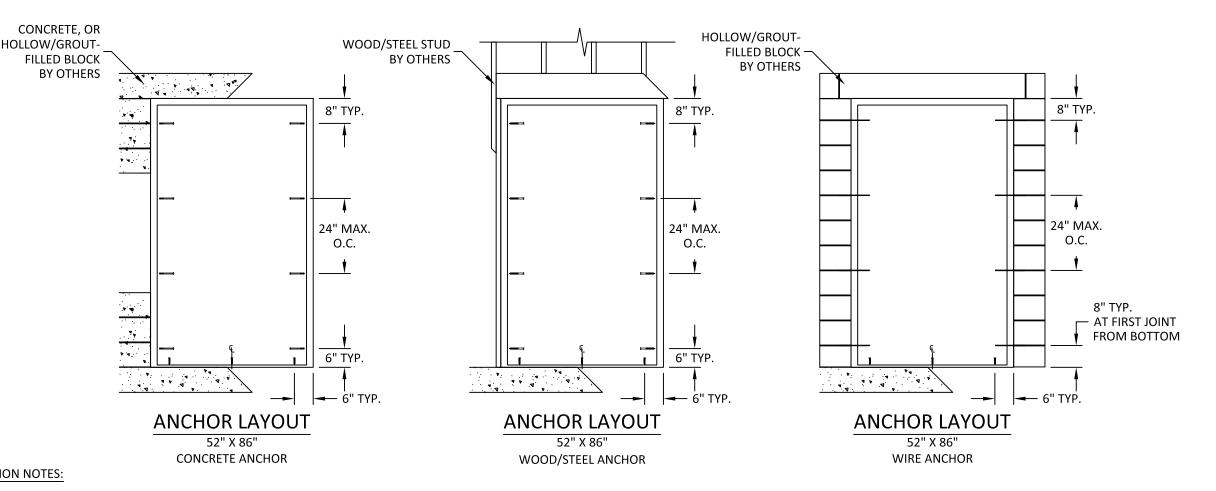
CHK. BY:

SCALE: NTS

DWG. #: PRM001

SHEET:





#### **INSTALLATION NOTES:**

- 1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
- 2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- 3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

		***************************************				
	ANCHOR SCHEDULE					
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE		
	WOOD: MIN. S.G. = 0.42	3/8" LAG SCREW	1-1/2"	1"		
	STEEL MIN. 18 GA. (MIN. Fy = 36 ksi)	3/8" SMS	3 THREADS MIN PENETRATION BEYOND METAL	3/4"		
THROUGH JAMB FRAME	CONCRETE: MIN. f'c = 3000 psi OR, HOLLOW/ GROUT-FILLED BLOCK per ASTM C90	3/8" DYNABOLT SLEEVE ANCHOR	1-1/2"	2-1/4"		
		3/8" ITW LDT	1-1/2"	3"		
	HOLLOW/ GROUT-FILLED BLOCK per ASTM C90	WIRE ANCHOR	8-13/16"	1-11/16"		
		"T" ANCHOR	11-15/16""	3-1/16"		
	CONCRETE: MIN. f'c = 3000 psi	1/4" ITW TAPCON	1"	1-1/2"		
THROUGH SILL		1/4" DEWALT ULTRACON+	1"	2-1/2"		



2840 STERLINGTON ROAD MONROE, LA 71203 PH: (318) 361-0796

SWR-S18-4 SEVERE WINDSTORM RATED DOOR (IMPACT) ANCHOR LAYOUT & NSTALLATION NOTES BUILDING I 398 E. DANIA BEA DANIA BEAN

BY

AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECI SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIA FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSEI
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REMARKS



HERMES F. NORERO, P.E. TEXAS P.E. No 118471 BUILDING DROPS, INC 398 E. DANIA BEACH BLVD. # 338 DANIA BEACH, FL 33004 TBPE FIRM No. 13734

10.21.22 DATE:

DWG. BY: MS CHK. BY: HFN

SCALE:

NTS PRM001 DWG. #:

SHEET:





2840 STERLINGTON ROAD MONROE, LA 71203 PH: (318) 361-0796

BUILDING DROPS, INC. 398 E. DANIA BEACH BLVD. STE. 338 DANIA BEACH, FI. 33004 PH. (954)399-8478 FAX: (954)3444738 TITLE: SWR-S18-4 SEVERE
WINDSTORM RATED DOOR
(IMPACT)
ANCHOR LAYOUT &
INSTALLATION NOTES
PREPARED BY:

REMARKS BY DATE

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10.21.22 DATE:

DWG. BY: MS CHK. BY: HFN

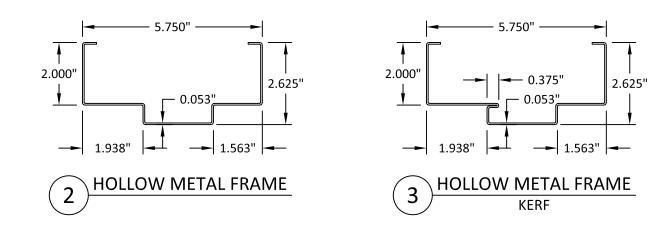
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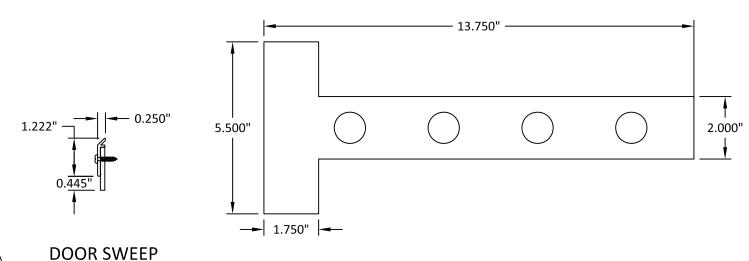
PRM001 DWG. #:

SHEET:



	BILL OF MATERIALS	
ITEM#	DESCRIPTION	MATERIAL
1	STEEL DOOR PANEL	-
2	HOLLOW METAL FRAME (16 GA.)	STEEL
3	HOLLOW METAL FRAME - KERF (16 GA.)	STEEL
7	DOOR SWEEP (PEMKO 315 BN)	ALUM./VINYL
8	WEATHER STRIP (PEMKO S88)	SILICONE
9	4-1/2" X 4-1/2" HINGE	STEEL
10	95" CONTINUOUS HINGE	STEEL
11	#12-24 X 1/2" PFH MACHINE SCREW	STEEL
12	#12-24 FH SCREW	STEEL
14	CYLINDRICAL LOCK STRIKE PLATE	STEEL
15	MORTISE STRIKE PLATE	STEEL
16	DEADBOLT STRIKE PLATE	STEEL
17	RIM PANIC DEVICE STRIKE PLATE	STEEL
18	DEADBOLT STRIKE PLATE	STEEL
19	LATCH STRIKE PLATE	STEEL
20	CYLINDRICAL LOCK STRIKE PLATE	STEEL
21	#12 X 1" FH SCREW	STEEL
27	FRAME STRIKE REINFORCEMENT (14 GA.)	STEEL
28	FRAME HINGE REINFORCEMENT (9 GA.)	STEEL
30	"T" ANCHOR	STEEL
31	EXISTING WALL ANCHOR	STEEL
32	WIRE ANCHOR	STEEL
40	THRESHOLD (PEMKO 181 V)	ALUMINUM
41	THRESHOLD (PEMKO 2005 V)	ALUMINUM

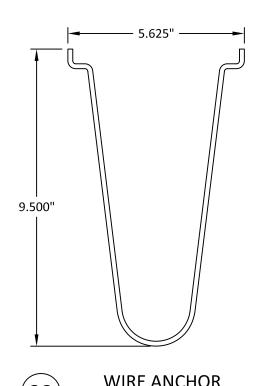


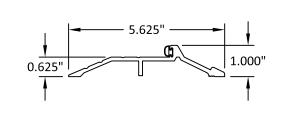


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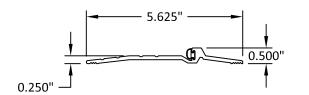
Ø0.750" 1.000" 2.000" 2.500"

(31) EXISTING WALL ANCHOR









"T" ANCHOR

16 GA. STEEL

THRESHOLD PRMKO 2005 V



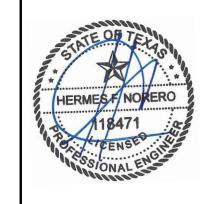
SWR-S18-4 SEVERE
WINDSTORM RATED DOOR
(IMPACT)
MPONENTS & BILL OF MATERIALS
ARED RV.

REPARED BY:

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD, STE. 338
DANIA BEACH, FI. 33004
PH. (954)399-8478
FAX: (954)399-8478
MYER PARISON PROPES, INC.

REMARKS BY DATE

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DATE: 10.21.22 DWG. BY: CHK. BY:

DWG. BY:

MS HFN NTS

DWG. #: PRM001

SHEET:



OF 8

WIRE ANCHOR
9 GA. STEEL