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DE LA FONTAINE

INSWING SINGLE FLUSH STEEL DOOR

(HVHZ)(IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
 - ASTM E283-04(12)
 - ASTM E330-14(21)
 - ASTM E1886-19
 - ASTM E1996-17
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X 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 ANCHOR LAYOUT IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. 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.
5. THIS PRODUCT IS LARGE AND SMALL MISSILE IMPACT RESISTANT APPROVED IMPACT PROTECTIVE SYSTEM IS **NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.

CONSTRUCTION NOTES:

1. DOOR CONSTRUCTION:
 - 1.1. PANEL MATERIAL: 18 GA. A40/A60/G90 GALV. STEEL MIN. (0.042" MIN.)
 - 1.2. OVERALL PANEL THICKNESS: MIN. 1 3/4 INCH TO MAX. 2 1/4 INCH
 - 1.3. DOOR CORES:
 - 1.3.1. HONEYCOMB
 - 1.3.2. POLYSTYRENE
 - 1.3.3. POLYURETHANE
 - 1.3.4. STEEL STIFFENED (POLYSTYRENE OR POLYURETHANE)
 - 1.4. EDGE SEAMS:
 - 1.4.1. STANDARD LOCK WELDED AT THE TOP AND BOTTOM.
 - 1.4.2. STANDARD LOCK WITH EPOXY FILLED AND GRINDED SMOOTH SEAM
 - 1.4.3. CONTINUOUS WELD LOCK SEAM
 - 1.5. TWO (2) TOP AND ONE (1) BOTTOM CHANNELS ARE 16 GA. STEEL AND ARE SPOT WELDED TO EACH FACE SHEET 3' O.C.
 - 1.6. HINGES:
 - 1.6.1. HAGER BB1191
 - 1.6.2. HAGER BB1168
 - 1.6.3. HAGER BB1199
 - 1.6.4. HAGER BB1279
 - 1.6.5. HAGER 780-112 ROTON
 - 1.7. HINGE REINFORCEMENTS ARE LOCATED AT EACH HINGE LOCATION.
 - 1.8. LOCK REINFORCEMENTS ARE USED WHEN APPLICABLE.
2. FRAME CONSTRUCTION:
 - 2.1. FRAME MATERIAL: 16 GA. A40/A60/G90 GALV. STEEL MIN. (0.054" MIN.)
 - 2.2. FRAME DEPTH: 5.75" MIN. (DOUBLE RETURNS QUALIFIED)
 - 2.3. CORNER CONSTRUCTION:
 - 2.3.1. KNOCK-DOWN
 - 2.3.2. FACE WELD
 - 2.3.3. FULL WELD
 - 2.4. HINGE REINFORCEMENT IS LOCATED AT EACH HINGE LOCATION.
 - 2.5. LOCK STRIKE REINFORCEMENTS ARE USED WHEN APPLICABLE.

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FLORIDA BUILDING CODE DESIGN PRESSURES					
CONFIGURATION	LATCHING HARDWARE TYPE	LATCHING HARDWARE SERIES	*WHERE WATER INFILTRATION IS NOT REQUIRED OR IS PROTECTED BY OVERHANG	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED OR IS NOT PROTECTED BY OVERHANG	MISSILE IMPACT RATING
SINGLE	CYLINDRICAL LOCKSET	SCHLAGE D/ND	+/- 70 PSF	-	LARGE AND SMALL MISSILE IMPACT RATED
		SARGENT 11	+/- 70 PSF		
	MORTISE LOCKSET WITH DEADBOLT	SCHLAGE L9000	+/- 70 PSF		
		SARGENT 8200	+/- 70 PSF		

*NOTE: UNIT SHALL BE INSTALLED IN NON-HABITABLE LOCATIONS OR AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG RATIO (OH) = OH LENGTH / OH HEIGHT GREATER THAN 1.



4115 BRODEUR STREET
SHERBROOKE, QC J1L1K4
PH: (819) 821-9230 FX: (819) 569-5928

TITLE: INSWING SINGLE FLUSH STEEL DOOR (HVHZ) (IMPACT)

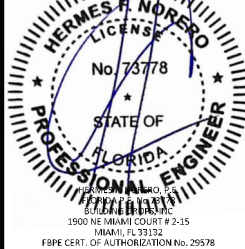
GENERAL & CONSTRUCTION NOTES

PREPARED BY: BUILDING DROPS, INC.
1500 NE MIAMI COURT, STE 2-15
MIAMI, FL 33132
PH: (304) 399-8478
FAX: (304) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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: 2024.06.18 11:58:59 -0700



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DATE: 06.18.24

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CHK. BY: HFN

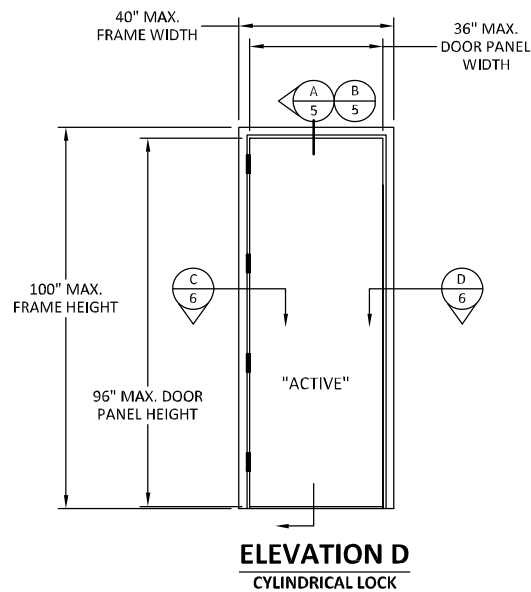
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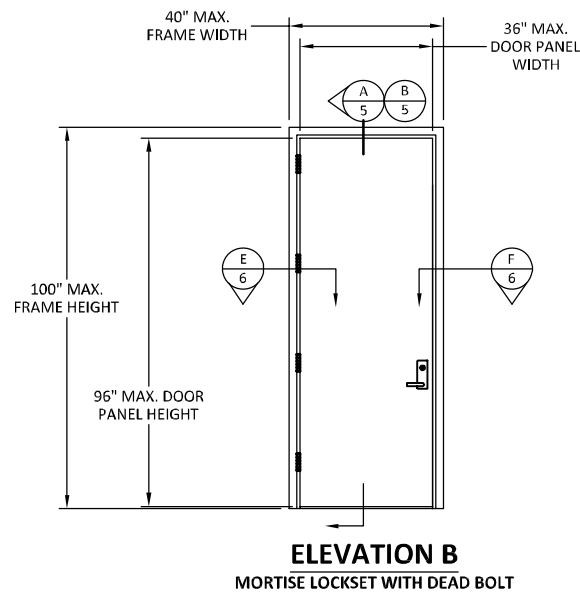
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OF 16

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ELEVATION D
CYLINDRICAL LOCK



ELEVATION B
MORTISE LOCKSET WITH DEAD BOLT

NOTE: MAXIMUM FRAME HEIGHT TO BE 100" WHEN OPTIONAL 4" HEADER FRAME IS USED. USE WITH FULLY WELDED OR FACE WELDED CORNERS ONLY.



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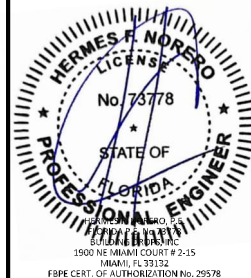
TITLE: INSWING SINGLE FLUSH
STEEL DOOR
(H/VHZ) (IMPACT)
ELEVATIONS

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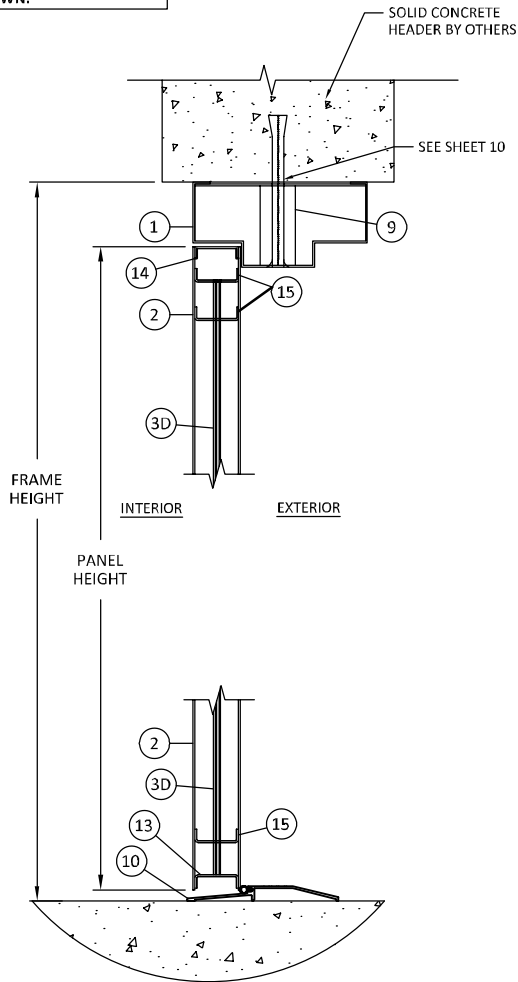
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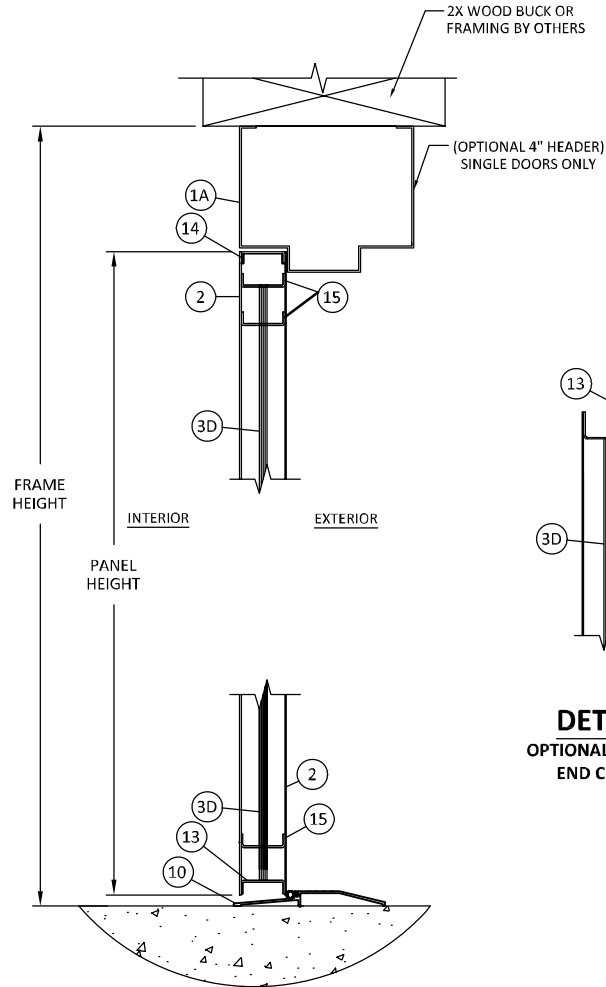
NOTES:
* JAMB BASE ANCHOR IS ONLY
REQUIRED FOR MASONRY WIRE/T,
COMBINATION & Z ANCHORS. NOT
REQUIRED FOR EWA ANCHORS

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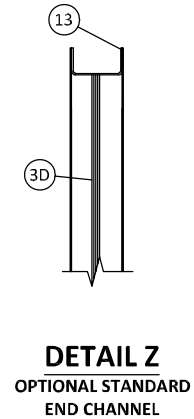
NOTE: EWA TUBE SHOWN.
EWA IS QUALIFIED FOR ALL
INSTALLATION SUBSTRATES
SHOWN.



A
5 **VERTICAL SECTION**
HEAD/SILL - CONCRETE/MASONRY
(CYLINDRICAL LOCK OR
MORTISE LOCK WITH DEADBOLT)



B
5 **VERTICAL SECTION**
HEAD - 2X WOOD FRAME
SILL - CONCRETE



DETAIL Z
OPTIONAL STANDARD
END CHANNEL



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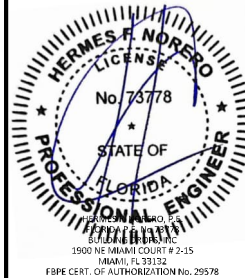
TITLE: INSWING SINGLE FLUSH
STEEL DOOR
(H/VHZ) (IMPACT)
VERTICAL SECTIONS

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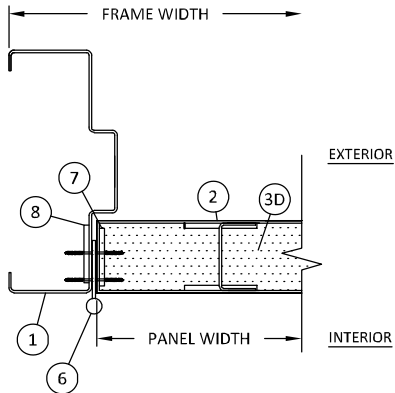
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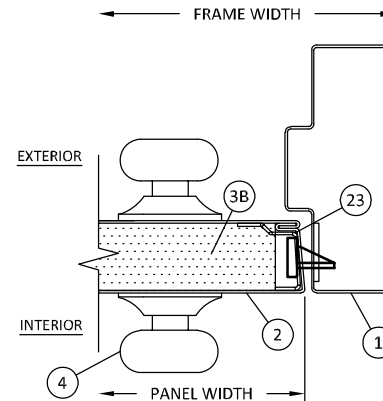


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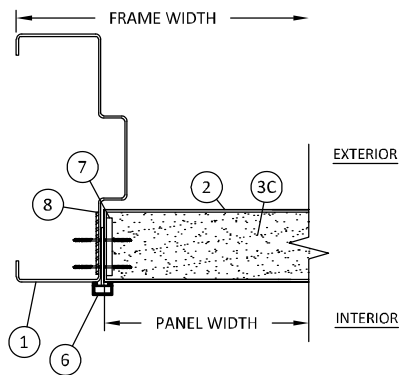


C
6 **HORIZONTAL SECTION**
BUTT HINGE JAMB

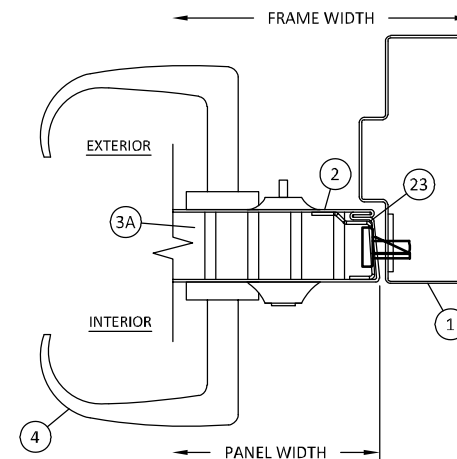


D
6 **HORIZONTAL SECTION**
CYLINDRICAL LOCK
LOCK JAMB

NOTE: DETAILS SHOWN WITH
VARYING DOOR CORE TYPES. ANY
DETAIL IS APPROVED TO BE USED
WITH ANY CORE TYPE.



E
6 **HORIZONTAL SECTION**
CONTINUOUS HINGE JAMB



F
6 **HORIZONTAL SECTION**
MORTISE LOCK WITH DEADBOLT
LOCK JAMB



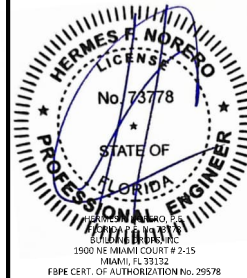
4115 BRODEUR STREET
SHERBROOKE, QC J1L1K4
PH: (819) 821-9230 FX: (819) 569-5928

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STEEL DOOR
(H/VHZ) (IMPACT)
HORIZONTAL SECTIONS

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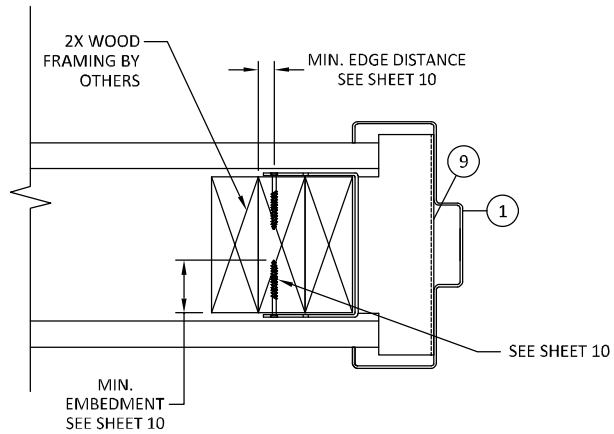
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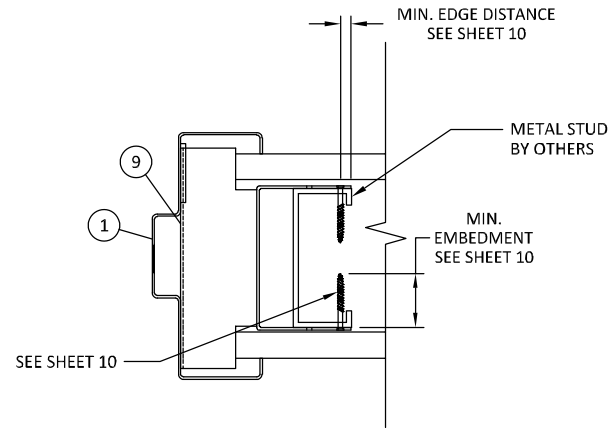
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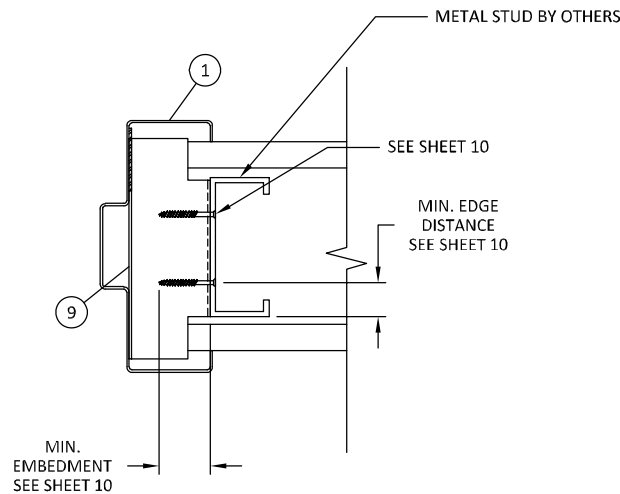
OF 16



E7 HORIZONTAL SECTION
COMBINATION ANCHOR
WOOD STUD



F7 HORIZONTAL SECTION
COMBINATION ANCHOR
METAL STUD



G7 HORIZONTAL SECTION
Z ANCHOR
METAL STUD

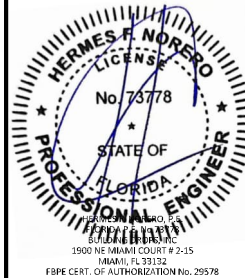


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SHERBROOKE, QC J1L 1K4
PH: (819) 821-9230 FX: (819) 569-5928

TITLE: INSWING SINGLE FLUSH
STEEL DOOR
(H/VHZ) (IMPACT)
INSTALLATION DETAILS: COMBINATION
AND Z ANCHORS
PREPARED BY: BUILDING DROPS, INC.
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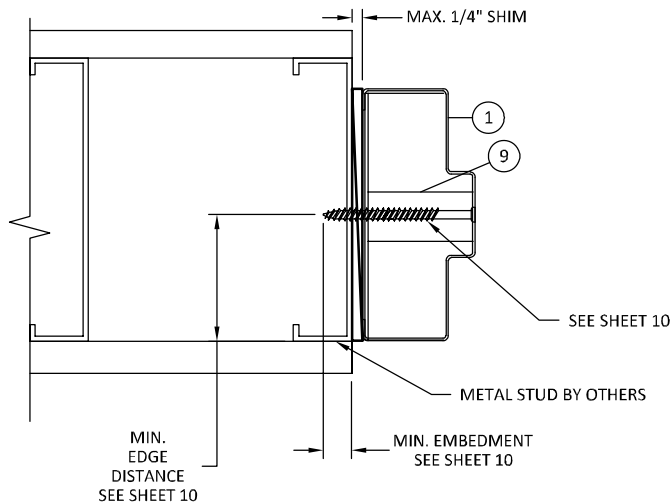
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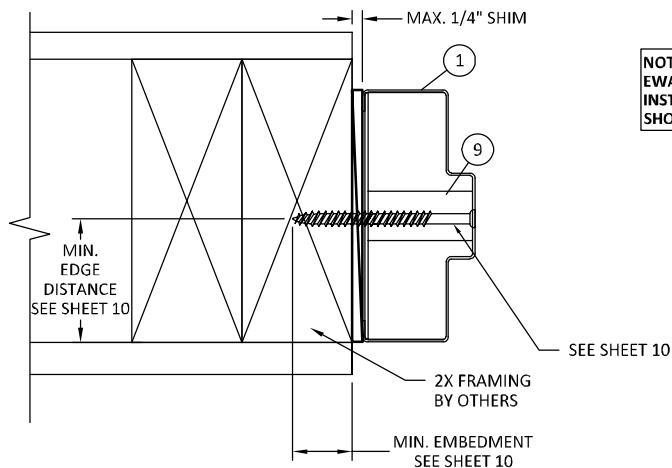
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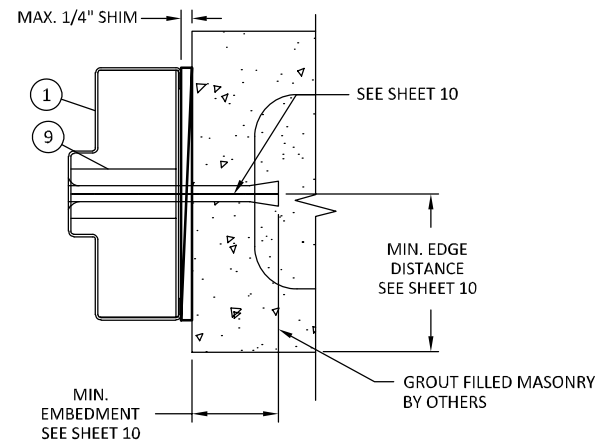


H
8 **HORIZONTAL SECTION**
EWA TUBE ANCHOR
METAL STUD

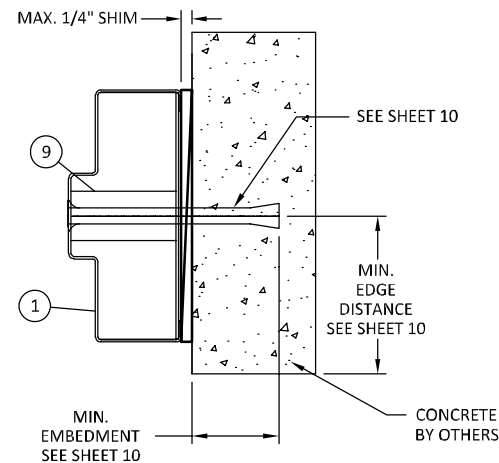


J
8 **HORIZONTAL SECTION**
EWA TUBE ANCHOR
WOOD STUD

NOTE: EWA TUBE SHOWN.
EWA IS QUALIFIED FOR ALL
INSTALLATION SUBSTRATES
SHOWN.



I
8 **HORIZONTAL SECTION**
EWA TUBE ANCHOR
CONCRETE MASONRY UNIT



K
8 **HORIZONTAL SECTION**
EWA TUBE ANCHOR
CONCRETE

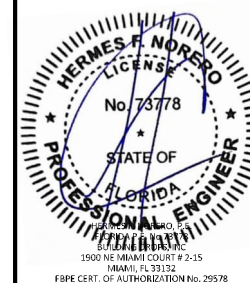


4115 BRODEUR STREET
SHERBROOKE, QC J1L 1K4
PH: (819) 821-9230 FX: (819) 569-5928

TITLE: INSWING SINGLE FLUSH
STEEL DOOR
(H/VHZ) (IMPACT)
INSTALLATION DETAILS - EWA ANCHORS
PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (305) 399-8478
FAX: (305) 744-4738
WEB: www.buildingdrops.com

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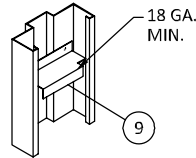
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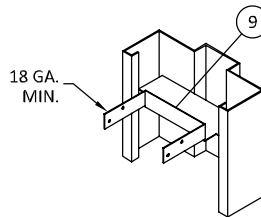
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DATE: 06.18.24
DWG. BY: DI
CHK. BY: HFN
SCALE: NTS
DWG. #: DLF006
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INSTALLATION NOTES:

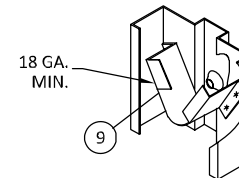
- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE NOTED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- 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.
- 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 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.



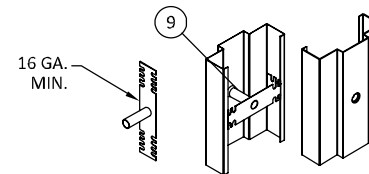
DETAIL CC
Z ANCHOR



DETAIL DD
COMBINATION WOOD/STEEL STUD ANCHOR



DETAIL EE
EXISTING WALL ANCHOR (EWA)



DETAIL FF
EXISTING WALL ANCHOR (EWA) TUBE

EWA TUBE ANCHOR SCHEDULE			
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD: MIN. S.G. = 0.55	3/8" LAG SCREW	3"	1"
STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	3/8" GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
CONCRETE: MIN. f'c = 3000 psi	3/8" ITW TAPCON	1-1/2"	2-1/4"
	3/8" ITW DYNABOLT	1-1/2"	2-1/4"
MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/8" ITW TAPCON	1-1/2"	2-1/4"
	3/8" ITW DYNABOLT	1-1/2"	2-1/4"

Z ANCHOR SCHEDULE			
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	#10 GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			

COMBINATION ANCHOR SCHEDULE			
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD: MIN. S.G. = 0.55	#10 WOOD SCREW	1-1/2"	1/2"
STEEL: MIN. 18 GA. MIN. Fy = 33 ksi	#10 GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			



4115 BRODEUR STREET
SHERBROOKE, QC J1L 1K4
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TITLE: INSWING SINGLE FLUSH
STEEL DOOR
(H/VHZ) (IMPACT)

INSTALLATION DETAILS & NOTES

PREPARED BY: BUILDING DROPS, INC.

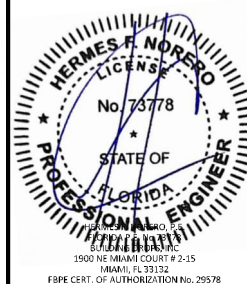
1500 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132

PH: (305) 599-8478
FAX: (305) 744-4738
WEB: www.buildingdrops.com



REMARKS BY DATE

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DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL46851

DATE: 06.18.24

DWG. BY: DI CHK. BY: HFN

SCALE: NTS

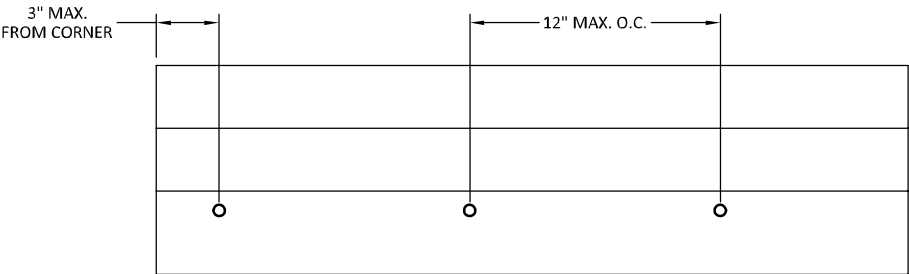
DWG. #: DLF006

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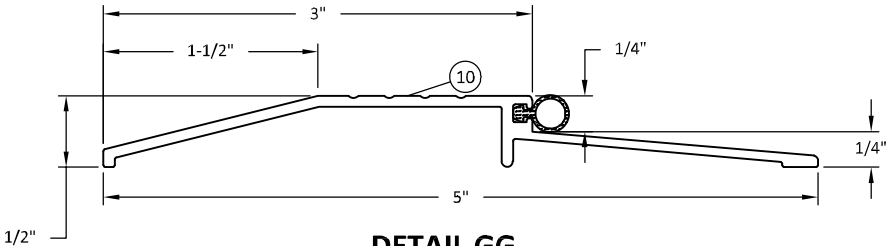
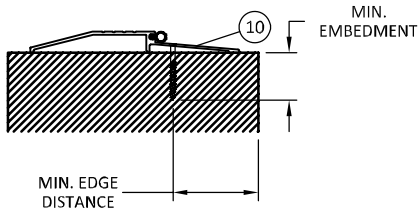
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OF 16

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THRESHOLD ANCHOR SCHEDULE			
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD: MIN. S.G. = 0.55	#14 WOOD SCREW	1-1/2"	3/4"
CONCRETE: MIN. f'c = 3000 psi	1/4" ITW TAPCON	1-1/4"	2-1/2"



DETAIL GG
NGP 950N THRESHOLD



4115 BRODEUR STREET
SHERBROOKE, QC J1L 1K4
PH: (819) 821-9230 FX: (819) 569-5928

TITLE: INSWING SINGLE FLUSH
STEEL DOOR
(H/VHZ) (IMPACT)

THRESHOLD DETAIL & ANCHOR LAYOUT

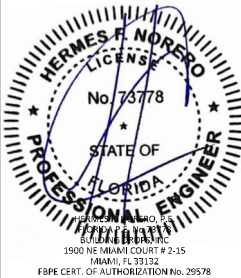
PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (304) 399-8478
FAX: (304) 744-4738
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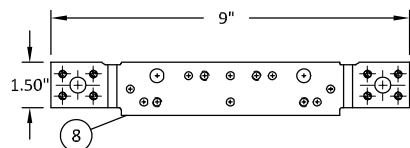
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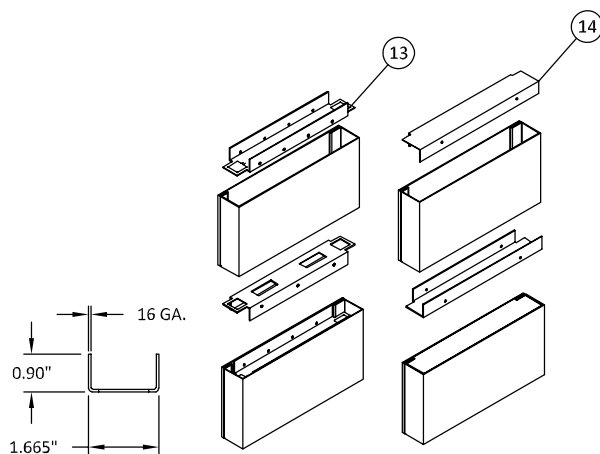
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DATE:	06.18.24
DWG. BY:	DI
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	DLF006

SHEET:
12
OF 16

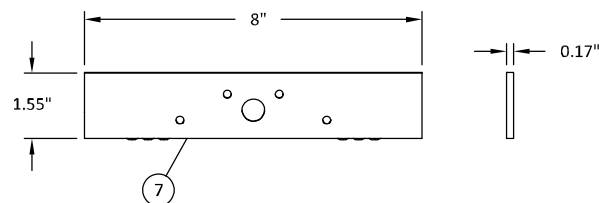


DETAIL KK
FRAME HINGE REINFORCEMENT



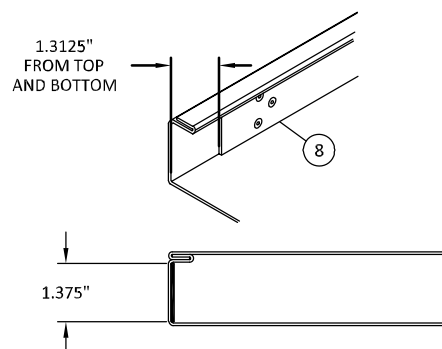
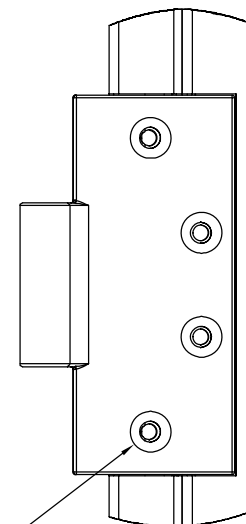
DETAIL MM

END CHANNEL REINFORCEMENTS



DETAIL LL
DOOR HINGE REINFORCEMENT
AND HINGE DETAIL

ATTACHED WITH FOUR (4) #12 ASSEMBLY
SCREWS



DETAIL NN
DOOR & FRAME CONTINUOUS HINGE REINFORCEMENT
(OPTIONAL)

**TITLE: INSWING SINGLE FLUSH
STEEL DOOR
(HVHZ) (IMPACT)**

REINFORCEMENTS

PREPARED BY:

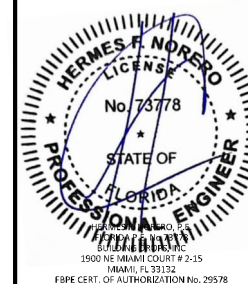
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MIAMI, FL 33132
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REMARKS	BY	DATE
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SCALE: NTS

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14

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**DE LA
FONTAINE**
STEEL DOORS AND FRAMES

4115 BRODEUR STREET
SHERBROOKE, QC J1L1K4
PH: (819) 821-9230 FX: (819) 569-5928

TITLE: INSWING SINGLE FLUSH
STEEL DOOR
(HVHZ) (IMPACT)

REINFORCEMENTS

PREPARED BY:

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3000 NE MIAMI COURT, STE. 2-15

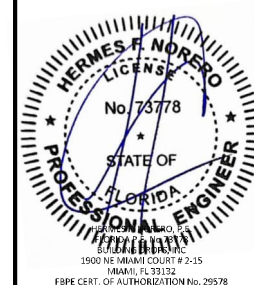
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