

c:\users\julianarodriguez\building drops, inc\building drops landing - documents\common\projects\de la fontaine\lbc-26-0101 - hager hardware revisions\dwgs\dlf003-a.dwg 3/18/2026 1:44 PM

DE LA FONTAINE

OUTSWING DOUBLE & SINGLE GLAZED

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 E1996-20
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.
6. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE DEEMED ACCEPTABLE. INSTALLATION AND USE IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE APPROPRIATE AUTHORITY HAVING JURISDICTION. FIRE RATING IS NOT PART OF THIS APPROVAL. CONSULT THE MANUFACTURER FOR APPROVED CONFIGURATIONS AND FIRE RATING SPECIFICATIONS.
7. OPTIONAL RACEWAYS, POWER TRANSFERS, MONITORING SWITCHES, AND SUPPLEMENTAL MAGNETIC LOCKS MAY BE USED AS ALLOWED BY THE CURRENT FLORIDA BUILDING CODE GIVEN THE IMPLEMENTATION DOES NOT EFFECT THE MECHANICAL PROPERTIES OF HARDWARE AND/OR INHIBIT EGRESS. TO BE REVIEWED BY THE BUILDING OFFICIAL OR THE APPROPRIATE AUTHORITY HAVING JURISDICTION.

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 - LIMITED TO A MAXIMUM DESIGN PRESSURE OF ±50 PSF.

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.

1.4.3. STANDARD LOCK WITH EPOXY FILLED AND GRINDED SMOOTH SEAM

1.4.4. 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.
- **NOTE: PANEL HEIGHT LIMITED TO 83-1/8".**
- *NOTE: UNIT SHALL BE INSTALLED IN NON-HABITABLE LOCATIONS OR AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG RATIO (OH) = OH LENGTH /OH HEIGHT IS GREATER THAN 1.**
- | TABLE OF CONTENTS | |
|-------------------|---|
| SHEET | SHEET DESCRIPTION |
| 1 | GENERAL & CONSTRUCTION NOTES |
| 2 | GLAZING DETAIL & ANCHOR LAYOUT |
| 3 | ELEVATIONS |
| 4 | ANCHOR LAYOUTS & NOTES |
| 5 | VERTICAL SECTIONS |
| 6 | HORIZONTAL SECTIONS |
| 7 | HORIZONTAL SECTIONS |
| 8 | INSTALLATION DETAILS - COMBINATION AND Z ANCHORS |
| 9 | INSTALLATION DETAILS - EWA ANCHORS |
| 10 | INSTALLATION DETAILS - WIRE/T MASONRY & JAMB BASE ANCHORS |
| 11 | INSTALLATION DETAILS & NOTES |
| 12 | GASKETING DETAILS FOR WATER INFILTRATION |
| 13 | GASKETING DETAILS FOR AIR INFILTRATION |
| 14 | THRESHOLD DETAIL & ANCHOR LAYOUT |
| 15 | CORNER CONSTRUCTION |
| 16 | REINFORCEMENTS |
| 17 | REINFORCEMENTS |
| 18 | BILL OF MATERIALS |
- | 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 | +/- 50 PSF | LARGE AND SMALL MISSILE IMPACT RATED |
| | | SARGENT 11 | +/- 70 PSF | | |
| | | CAL-ROYAL GENESIS | +/- 70 PSF | | |
| | | HAGER 3400 | +/- 50 PSF | | |
| | CYLINDRICAL LOCKSET WITH DEADBOLT | HAGER 3500 WITH HAGER 3200 DEADBOLT | +/- 65 PSF | | |
| | MORTISE LOCKSET WITH DEADBOLT | SCHLAGE L9000 | +/- 70 PSF | | |
| | | SARGENT 8200 | +/- 70 PSF | | |
| | RIM EXIT DEVICE | VON DUPRIN 98/99 | +/- 50 PSF | | |
| | | CORBIN RUSSWIN ED5200S X M107 | +/- 70 PSF | | |
| | SURFACE VERTICAL RODS | HAGER 4500 | +/- 65 PSF | | |
| | | VON DUPRIN WS9827/WS9927 | +/- 70 PSF | | |
| | | CORBIN RUSSWIN ED5470 | +/- 50 PSF | | |
| DOUBLE | CYLINDRICAL LOCKSET | SCHLAGE D/ND | +/- 70 PSF | NOT APPROVED | LARGE AND SMALL MISSILE IMPACT RATED |
| | | SARGENT 11 | +/- 70 PSF | | |
| | | CAL-ROYAL GENESIS | +/- 70 PSF | | |
| | MORTISE LOCKSET WITH DEADBOLT | SCHLAGE L9000 | +/- 70 PSF | | |
| | | SARGENT 8200 | +/- 70 PSF | | |
| | SURFACE BOLTS | IVES 360 | +/- 70 PSF | | |
| | | SARGENT 998 | +/- 70 PSF | | |
| | RIM EXIT DEVICE | VON DUPRIN 98/99 WITH HH9954 MULLION | +/- 50 PSF | | |
| | | CORBIN RUSSWIN ED5200S X M107 WITH FE707A MULLION | +/- 70 PSF | | |
| | | **HAGER 4500 WITH HAGER 4500 MULLION | +/- 65 PSF | | |
| | SURFACE VERTICAL RODS | VON DUPRIN WS9827/WS9927 | +/- 70 PSF | | |
| | | CORBIN RUSSWIN ED5470 | +/- 50 PSF | | |
-
- 4115 RUE BRODEUR STREET
SHERBROOKE, QC J1L1K4
PH: (819) 821-9230 FX: (819) 569-5928
- TITLE: OUTSWING DOUBLE & SINGLE
 GLAZED STEEL DOOR (HVHZ)
 (IMPACT)
- GENERAL & CONSTRUCTION NOTES
- 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 |
|-----------------|----|---------|
| HDW & DP UPDATE | DI | 8/22/24 |
| A: HDW UPDATE | JR | 2/24/26 |
| | | |
| | | |
- 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: 2026.03.30 16:07:54 -04'00'
-
- FL46851

DATE: 05.28.24

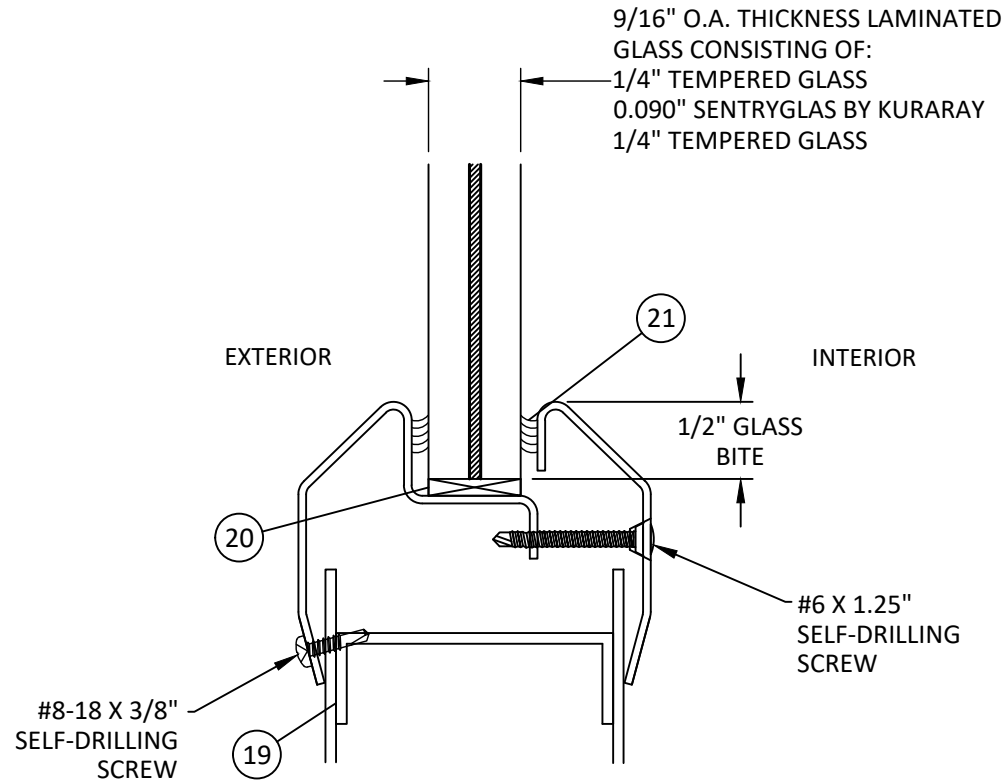
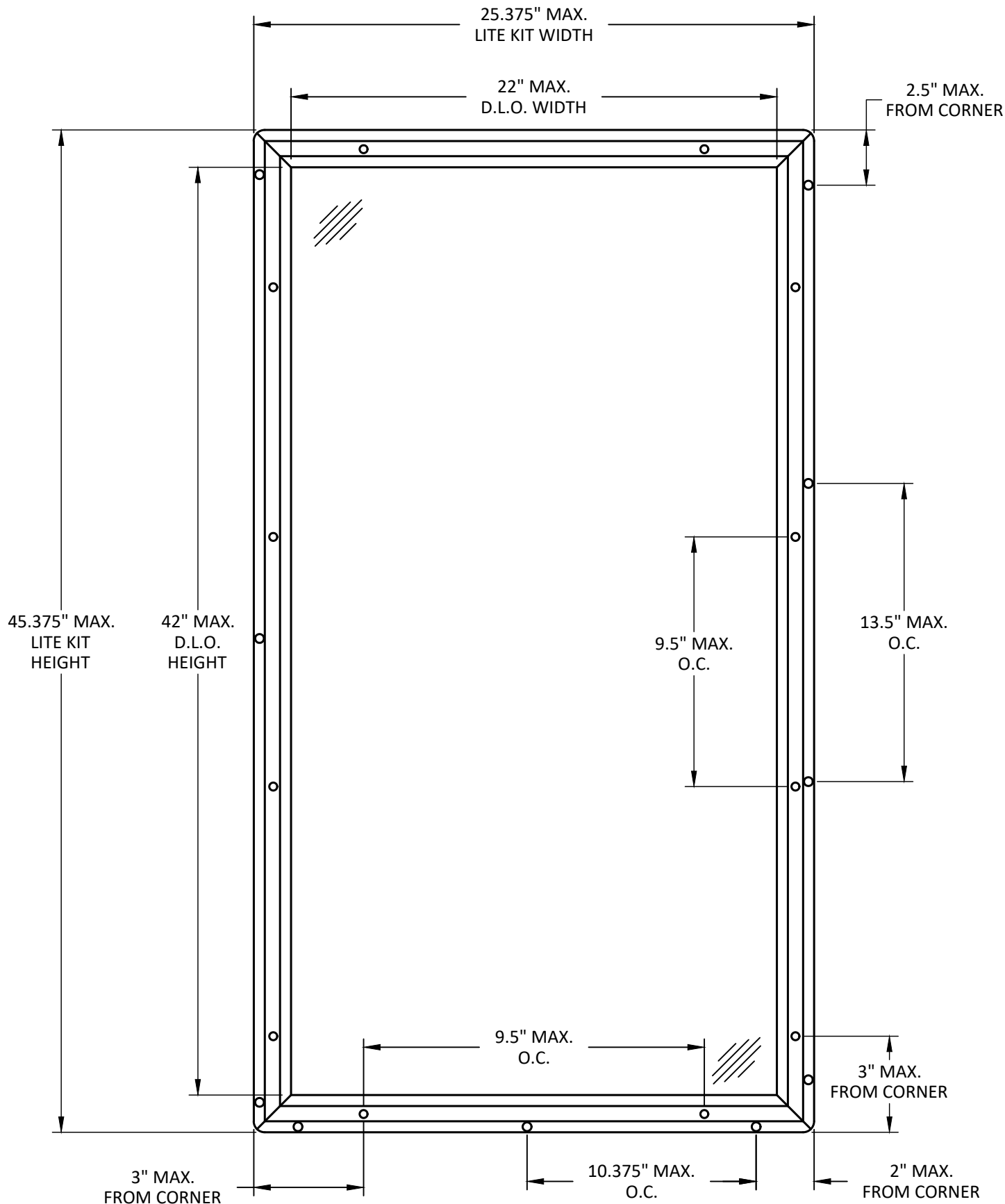
DWG. BY: DI CHK. BY: HFN

SCALE: NTS

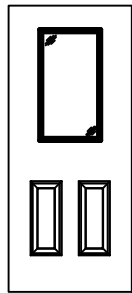
DWG. #: DLF003

SHEET: 1 OF 18

c:\users\julianarodriguez\building drops, inc\building drops revisions\dwgs\dlf003-a.dwg 3/18/2026 1:44 PM



GLAZING DETAIL



AVAILABLE DOOR PANEL
CONFIGURATIONS

NOTE: CUSTOM EMBOSSING AVAILABLE.
CONTACT MANUFACTURER FOR MORE INFORMATION.



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

TITLE: OUTSWING DOUBLE & SINGLE
GLAZED STEEL DOOR (HVHZ)
(IMPACT)

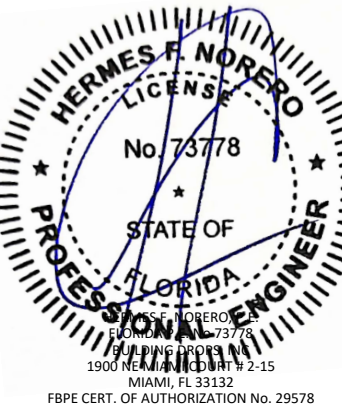
GLAZING DETAIL &
ANCHOR LAYOUT

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

BUILDING DROPS

REMARKS	BY	DATE
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

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.



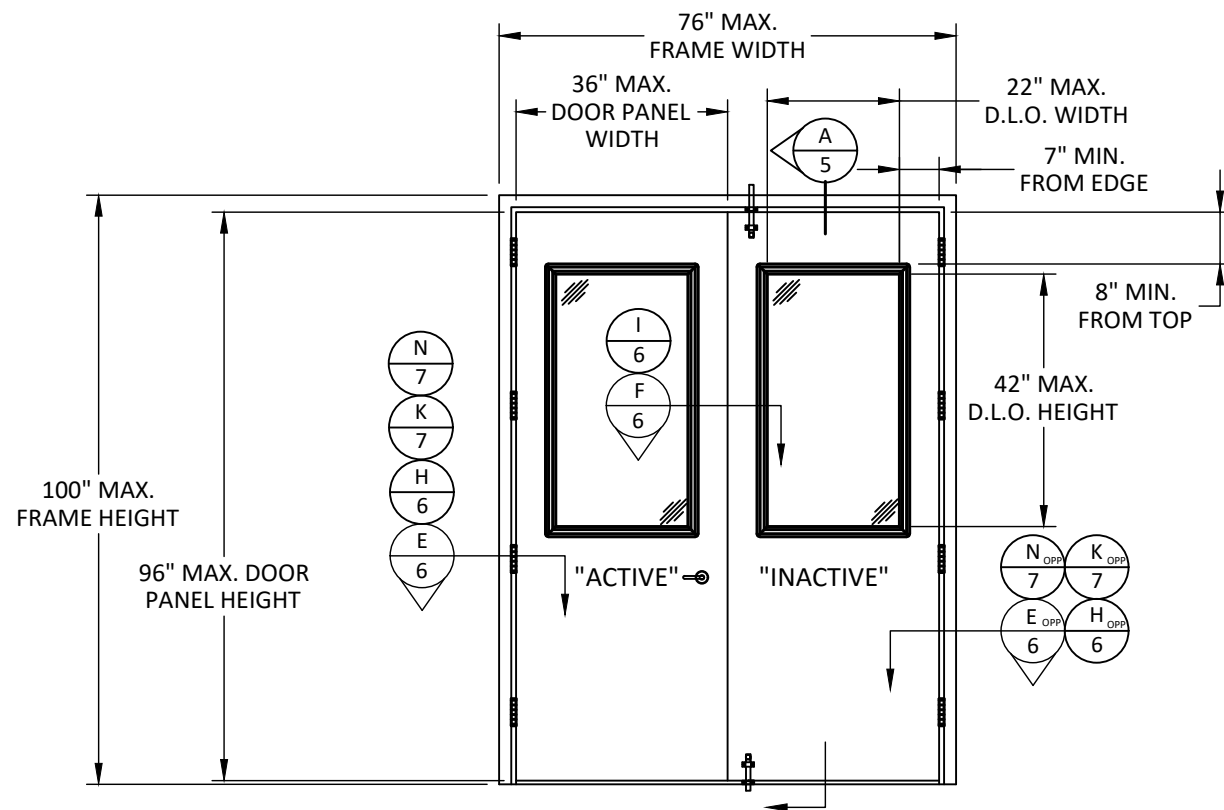
FL46851

DATE: **05.28.24**

DWG. BY: DI	CHK. BY: HFN
SCALE: NTS	
DWG. #: DLF003	
SHEET: 2	

OF 18

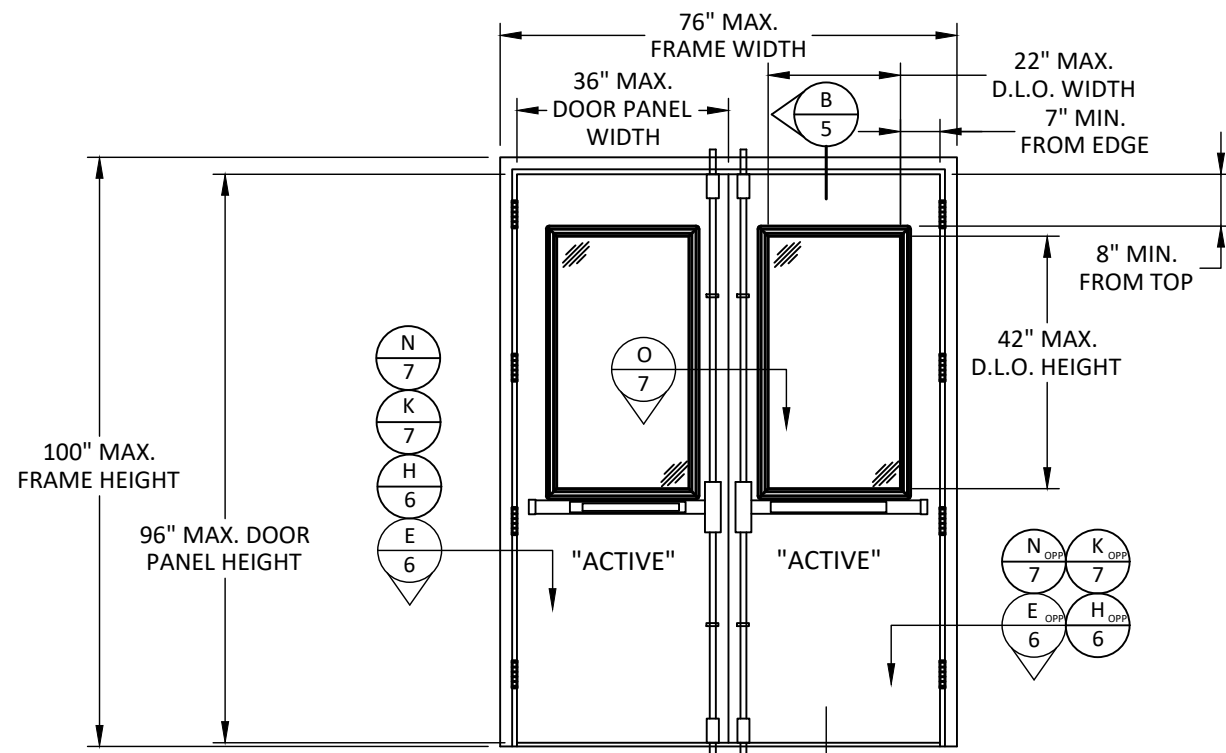
c:\users\julianarodriguez\building drops, inc\building drops landing - documents\common\projects\de la fontaine\lbc-26-0101 - hager hardware revisions\dwgs\dlf003-a.dwg 3/18/2026 1:44 PM



ELEVATION A

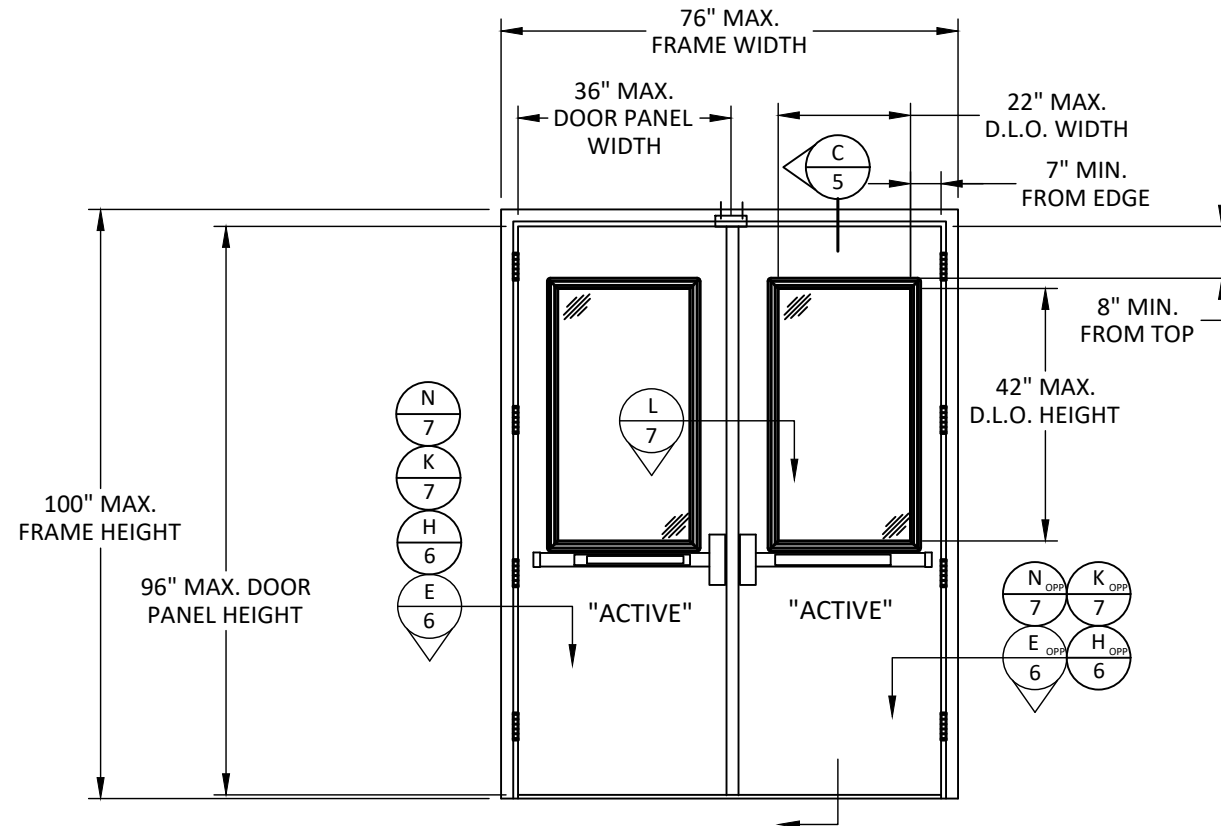
CYLINDRICAL LOCK (AS SHOWN) OR MORTISE LOCKSET
WITH DEAD BOLT (NOT SHOWN) ON ACTIVE PANEL,
SURFACE BOLTS ON INACTIVE

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



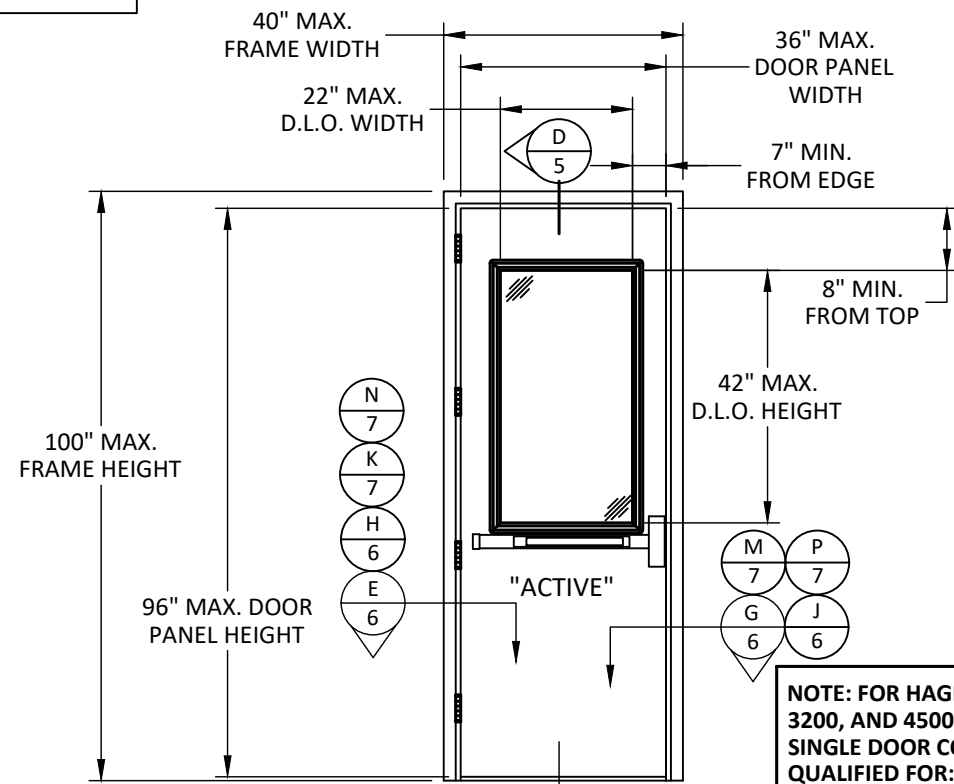
ELEVATION C

EXIT DEVICES WITH SURFACE VERTICAL RODS



ELEVATION B

RIM EXIT DEVICES WITH
REMOVABLE MULLION



ELEVATION D

RIM EXIT DEVICE

NOTE: FOR HAGER 3400, 3500,
3200, AND 4500 HARDWARE,
SINGLE DOOR CONFIGURATION IS
QUALIFIED FOR:

- MAXIMUM DOOR SIZE:
47-3/4" X 95-1/8".
- MAXIMUM FRAME (ROUGH
OPENING) SIZE: 52" X 100".



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

TITLE: OUTSWING DOUBLE & SINGLE
GLAZED STEEL DOOR (HVHZ)
(IMPACT)

ELEVATIONS

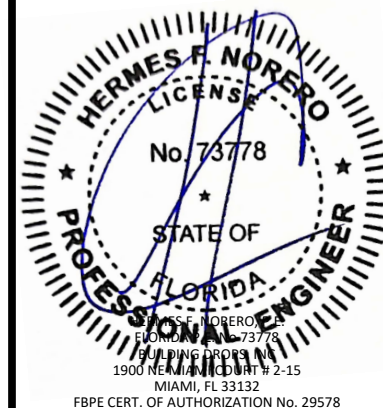
PREPARED BY: BUILDING DROPS, INC.

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
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

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.



FL46851

DATE: 05.28.24

DWG. BY: DI CHK. BY: HFN

SCALE: NTS

DWG. #: DLF003

SHEET:

3

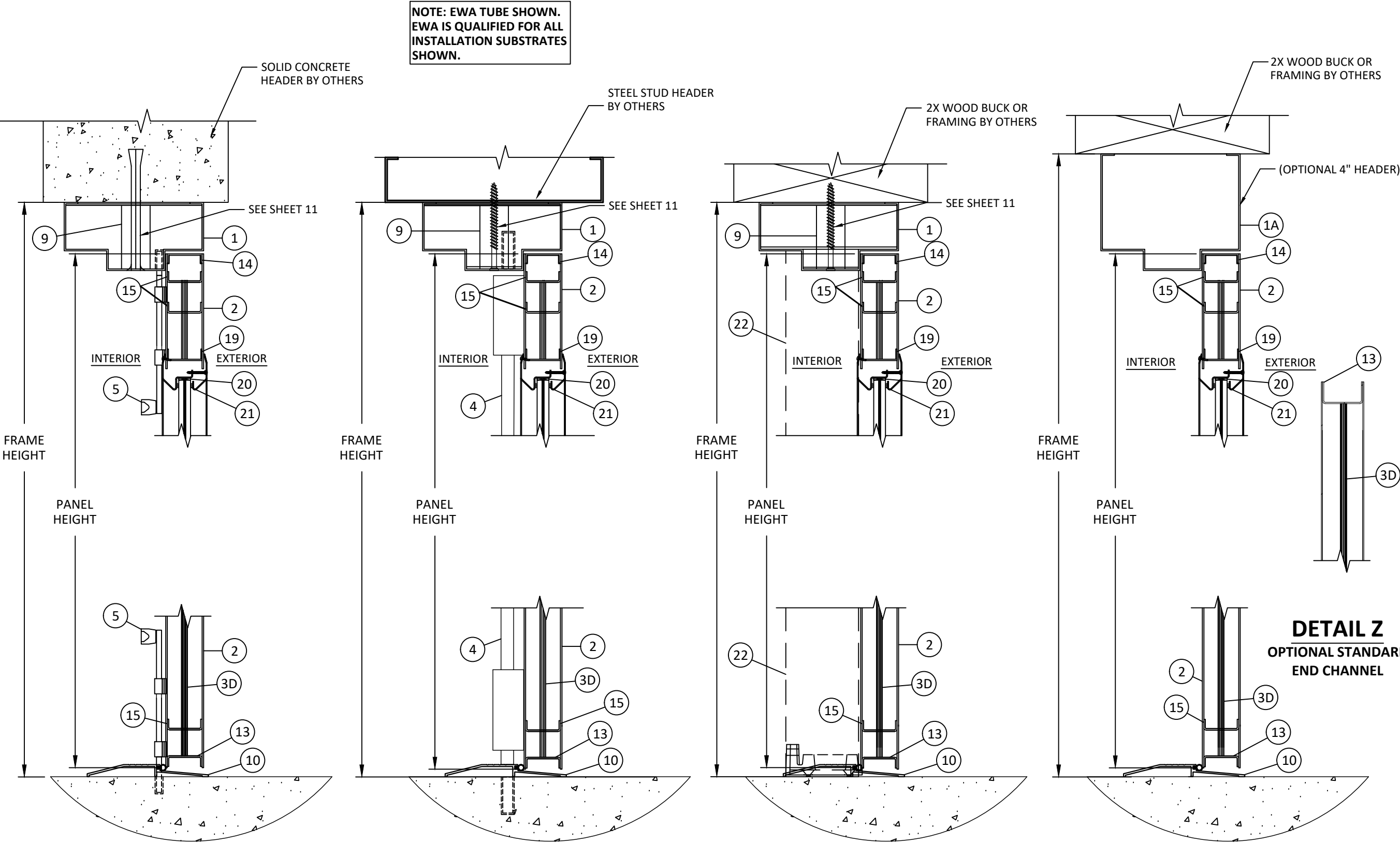
OF 18



ANCHOR LAYOUT C



c:\users\julianarodriguez\building drops, inc\building drops revisions\dwgs\dlf003-a.dwg 3/18/2026 1:45 PM



A
5
VERTICAL SECTION
HEAD/SILL - CONCRETE/MASONRY
(MORTISE LOCK/
CYLINDRICAL LOCK WITH SURFACE BOLTS)

B
5
VERTICAL SECTION
HEAD - STEEL STUD
SILL - CONCRETE/MASONRY
(SURFACE VERTICAL ROD)

C
5
VERTICAL SECTION
HEAD - 2X WOOD FRAME
SILL - CONCRETE
(REMOVABLE MULLION)

D
5
VERTICAL SECTION
HEAD - 2X WOOD FRAME
SILL - CONCRETE



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

TITLE: OUTSWING DOUBLE & SINGLE
GLAZED STEEL DOOR (HVHZ)
(IMPACT)

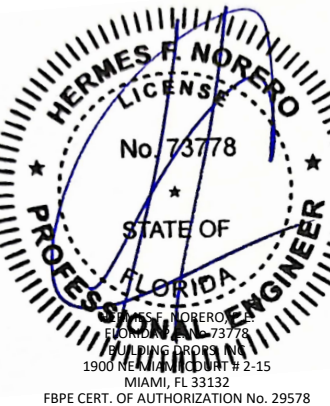
VERTICAL SECTIONS

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

BUILDING DROPS

REMARKS	BY	DATE
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

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.



FL46851

DATE: 05.28.24

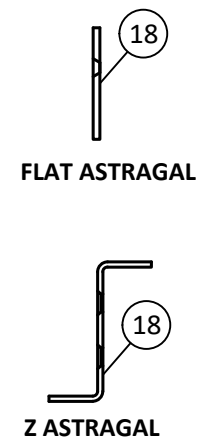
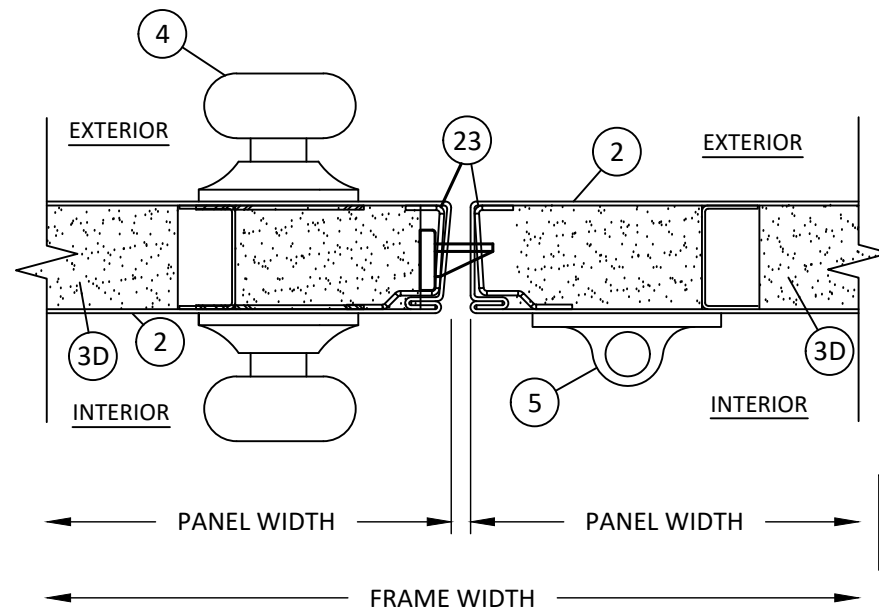
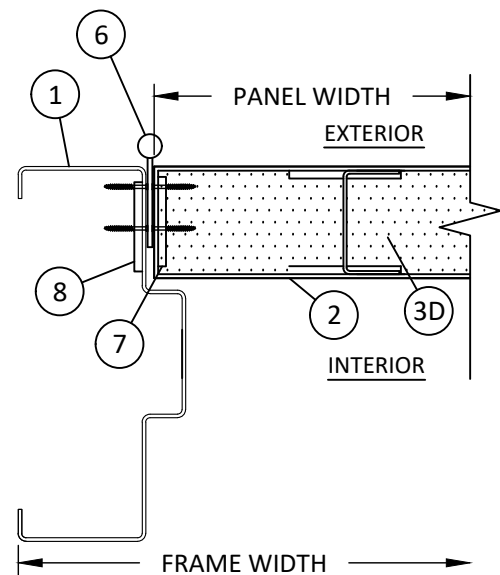
DWG. BY: DI CHK. BY: HFN

SCALE: NTS

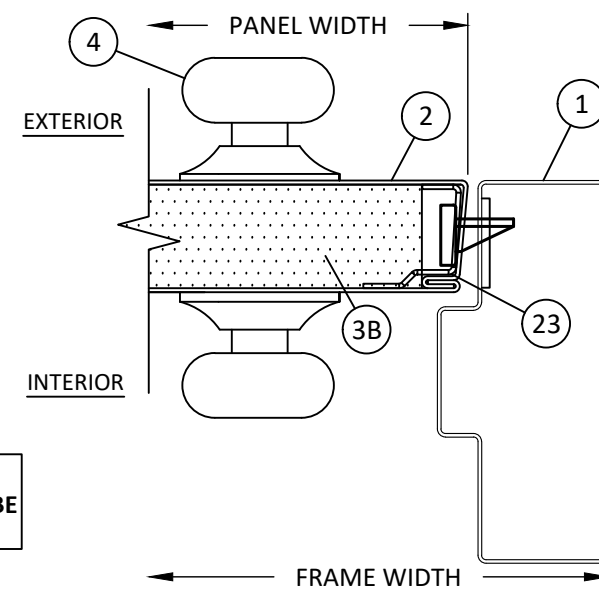
DWG. #: DLF003

SHEET: 5 OF 18

c:\users\julianarodriguez\building drops, inc\building drops landing - documents\common\projects\de la fontaine\lbc-26-0101 - hager hardware revisions\dwgs\dlf003-a.dwg 3/18/2026 1:45 PM

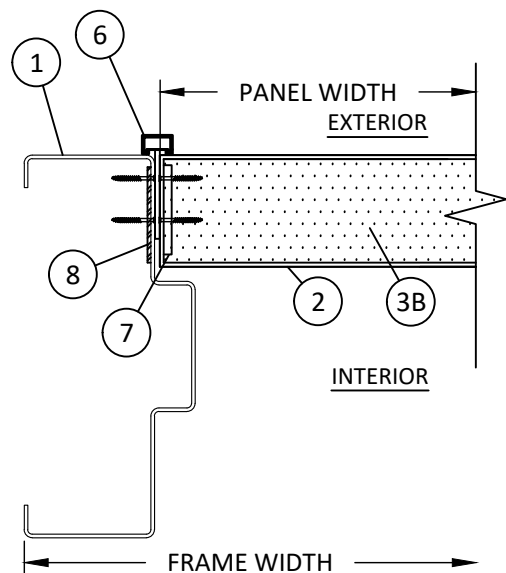


NOTE: FLAT ASTRAGAL & Z ASTRAGAL IS QUALIFIED TO BE USED WITH ALL HARDWARE.



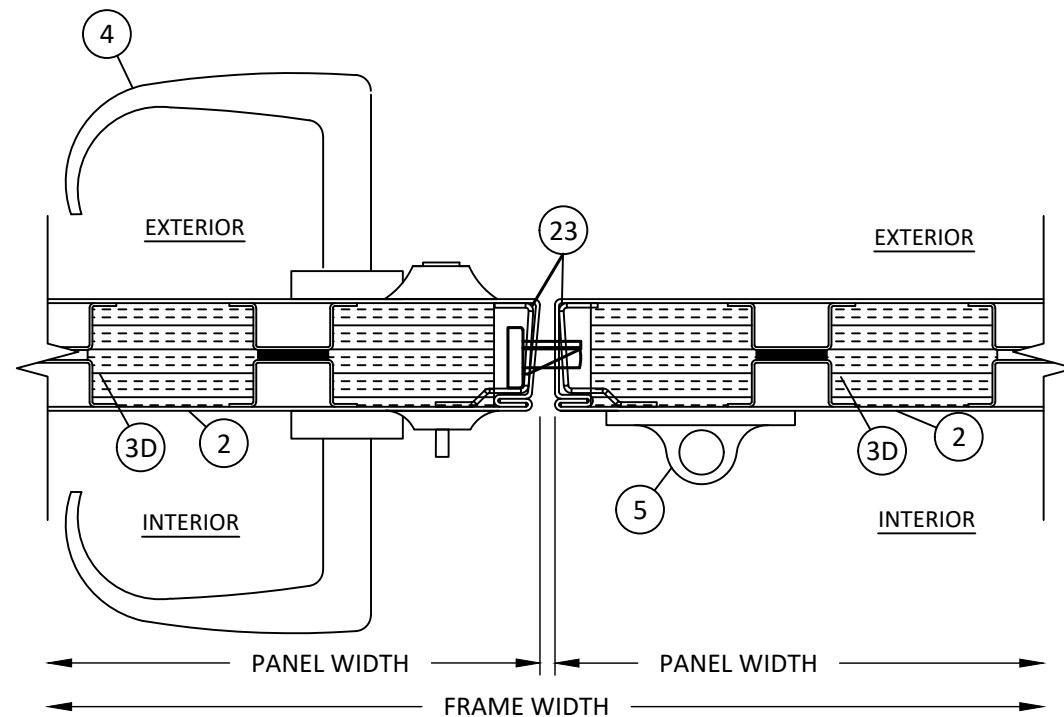
E
6 HORIZONTAL SECTION
BUTT HINGE JAMB

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



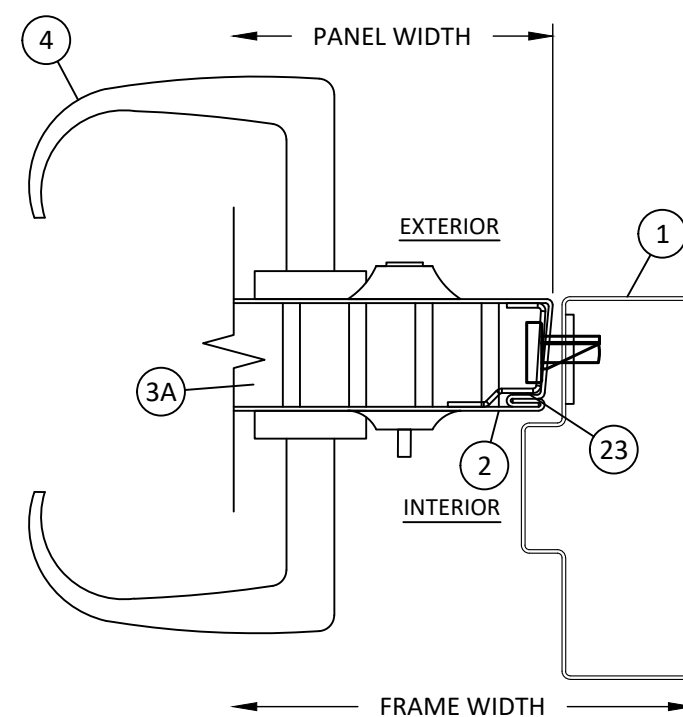
H
6 HORIZONTAL SECTION
CONTINUOUS HINGE JAMB

F
6 HORIZONTAL SECTION
CYLINDRICAL LOCK & SURFACE BOLT
MEETING STILE



I
6 HORIZONTAL SECTION
MORTISE LOCK W/ DB & SURFACE BOLT
MEETING STILE

G
6 HORIZONTAL SECTION
CYLINDRICAL LOCK
LOCK JAMB



J
6 HORIZONTAL SECTION
MORTISE LOCK WITH DEADBOLT
LOCK JAMB



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

TITLE: OUTSWING DOUBLE & SINGLE
GLAZED STEEL DOOR (HVHZ)
(IMPACT)

HORIZONTAL SECTIONS

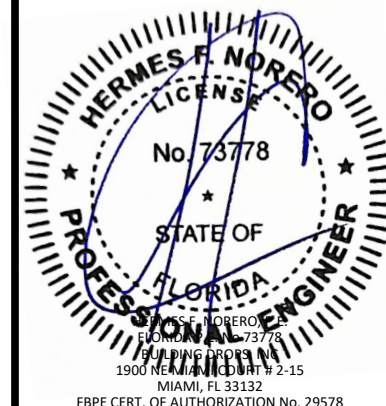
PREPARED BY: BUILDING DROPS, INC.

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
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

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.



FL46851

DATE: 05.28.24

DWG. BY: DI
CHK. BY: HFN

SCALE: NTS

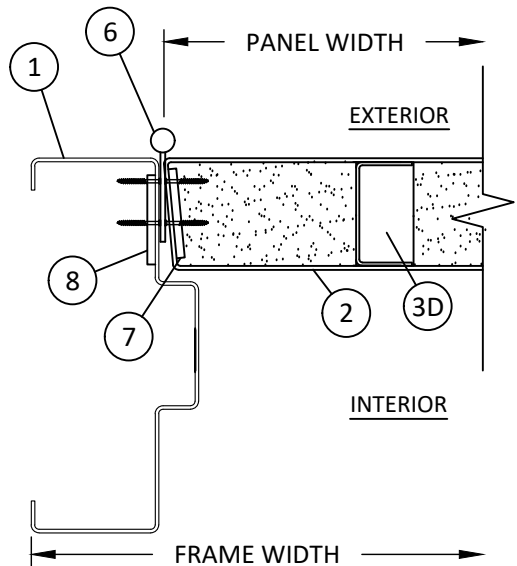
DWG. #: DLF003

SHEET:

6

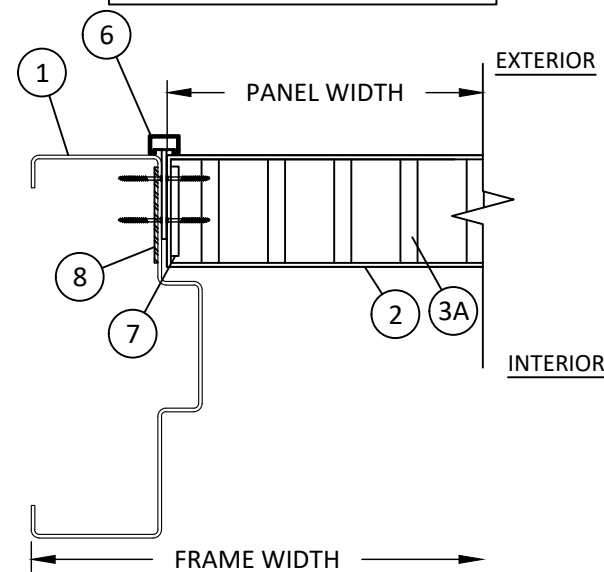
OF 18

c:\users\julianarodriguez\building drops, inc\building drops landing - documents\common\projects\de la fontaine\lbc-26-0101 - hager hardware revisions\dwgs\dlf003-a.dwg 3/18/2026 1:44 PM

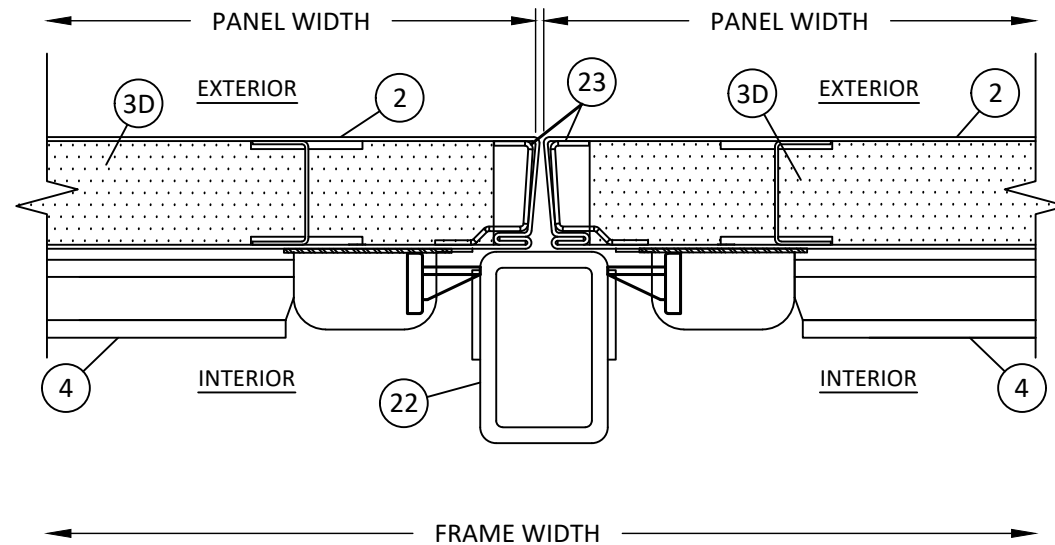


K
7 **HORIZONTAL SECTION**
BUTT HINGE JAMB

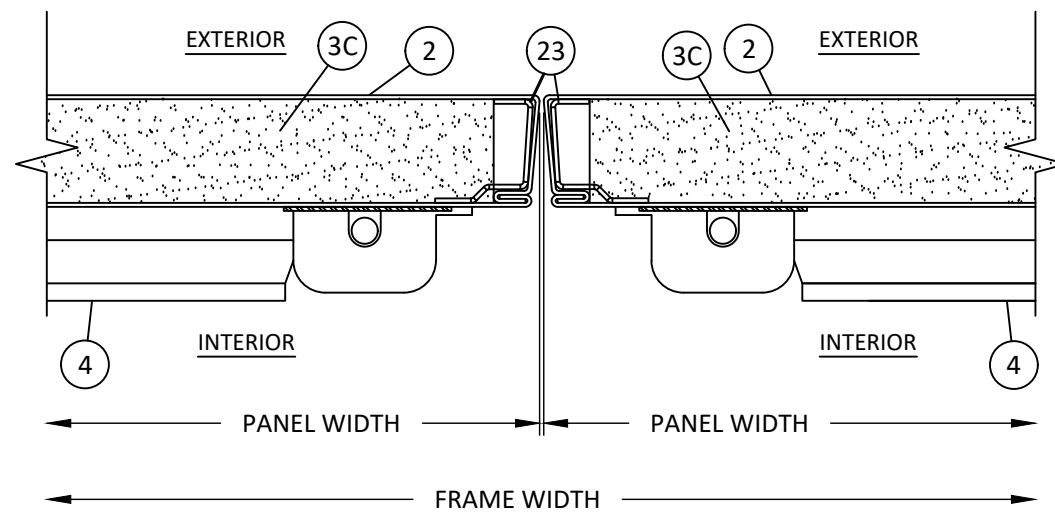
NOTE: DETAILS SHOWN WITH
VARYING DOOR CORE TYPES. ANY
DETAIL IS APPROVED TO BE USED
WITH ANY CORE TYPE.



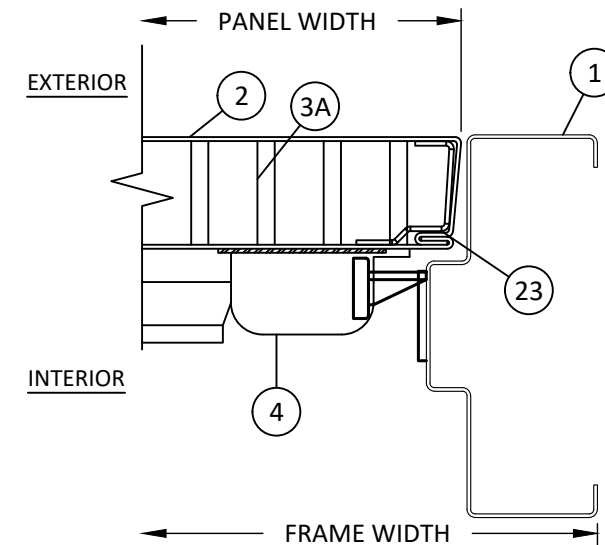
N
7 **HORIZONTAL SECTION**
CONTINUOUS HINGE JAMB



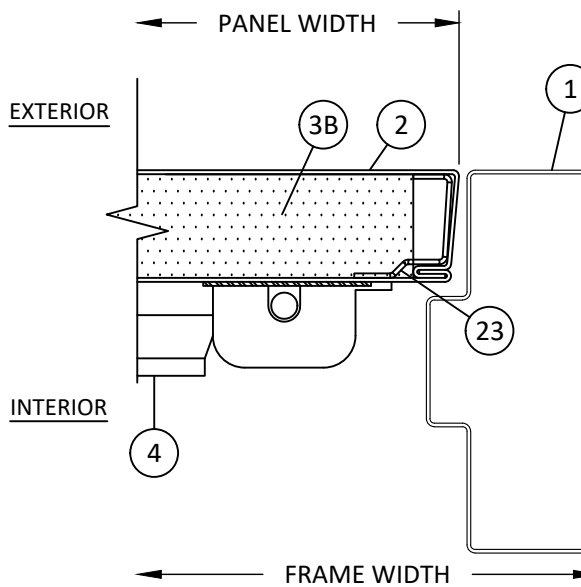
L
7 **HORIZONTAL SECTION**
RIM EXIT DEVICE W/ MULLION
MEETING STILE



O
7 **HORIZONTAL SECTION**
SURFACE VERTICAL RODS
MEETING STILE



M
7 **HORIZONTAL SECTION**
RIM EXIT DEVICE
LOCK JAMB



P
7 **HORIZONTAL SECTION**
SURFACE VERTICAL RODS
LOCK JAMB



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

TITLE: OUTSWING DOUBLE & SINGLE
GLAZED STEEL DOOR (HVHZ)
(IMPACT)

HORIZONTAL SECTIONS

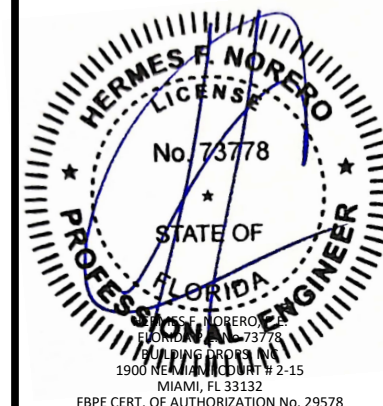
PREPARED BY: BUILDING DROPS, INC.

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
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

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.



FL46851

DATE: 05.28.24

DWG. BY:
DI

CHK. BY:
HFN

SCALE: NTS

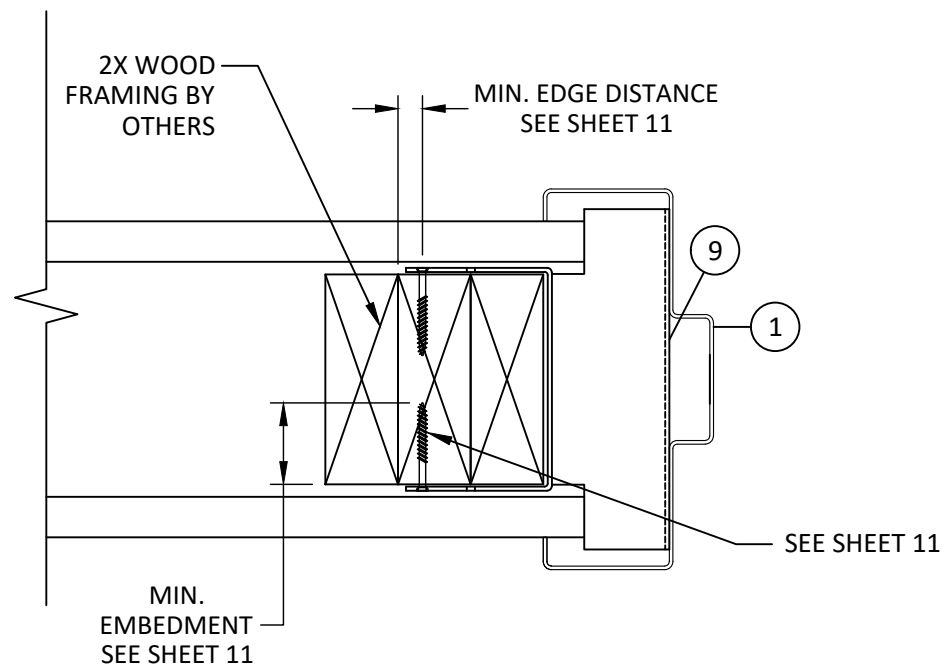
DWG. #: DLF003

SHEET:

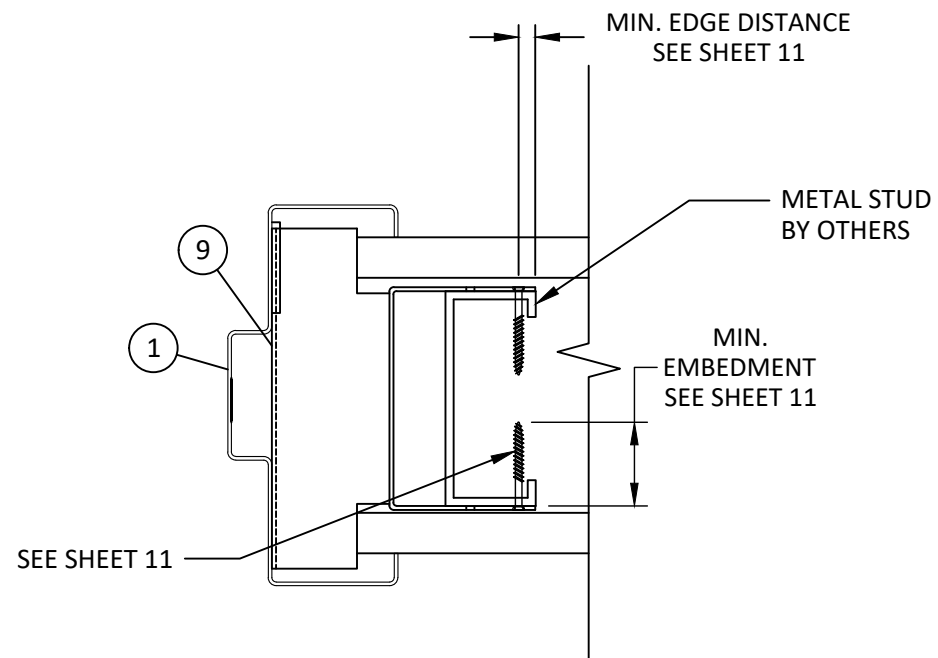
7

OF 18

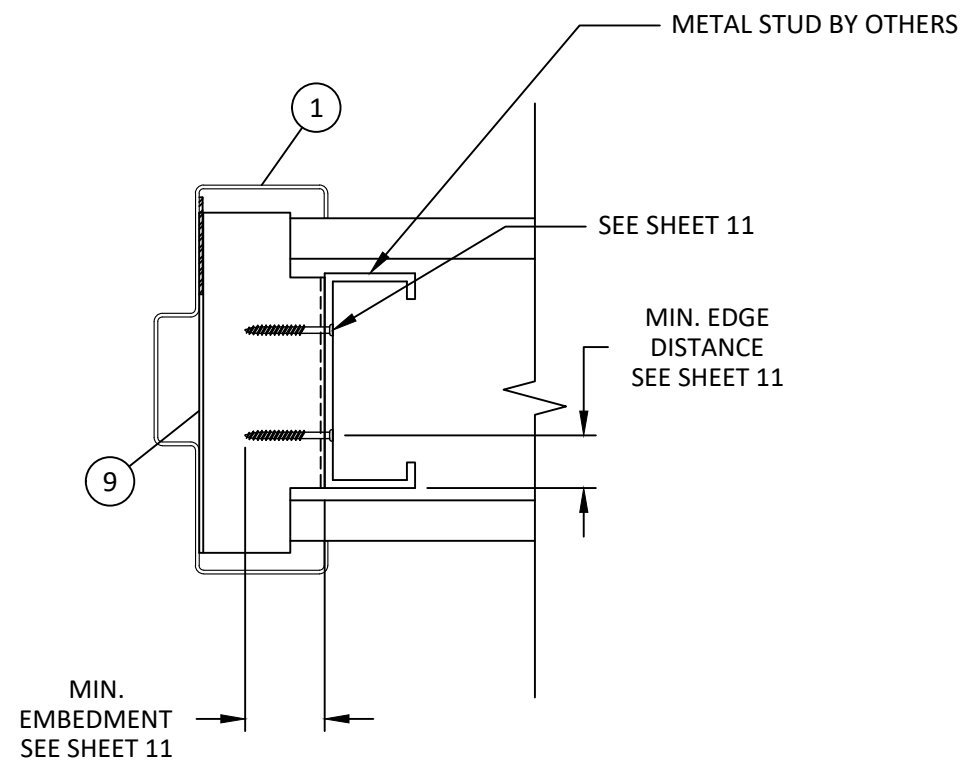
c:\users\julianarodriguez\building drops, inc\building drops landing - documents\common\projects\de la fontaine\lbc-26-0101 - hager hardware revisions\dwgs\dlf003-a.dwg 3/18/2026 1:45 PM



Q8 HORIZONTAL SECTION
COMBINATION ANCHOR
WOOD STUD



R8 HORIZONTAL SECTION
COMBINATION ANCHOR
METAL STUD



S8 HORIZONTAL SECTION
Z ANCHOR
METAL STUD



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

TITLE: OUTSWING DOUBLE & SINGLE
GLAZED STEEL DOOR (HVHZ)
(IMPACT)

INSTALLATION DETAILS -
COMBINATION AND Z
ANCHORS

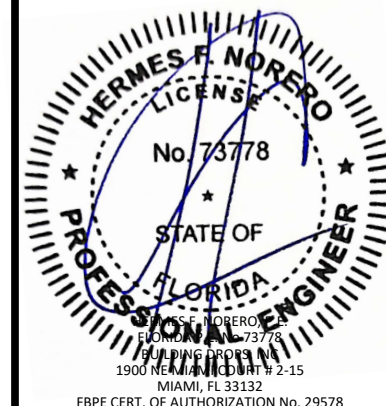
PREPARED BY: BUILDING DROPS, INC.

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
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

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.



FL46851

DATE: 05.28.24

DWG. BY: DI CHK. BY: HFN

SCALE: NTS

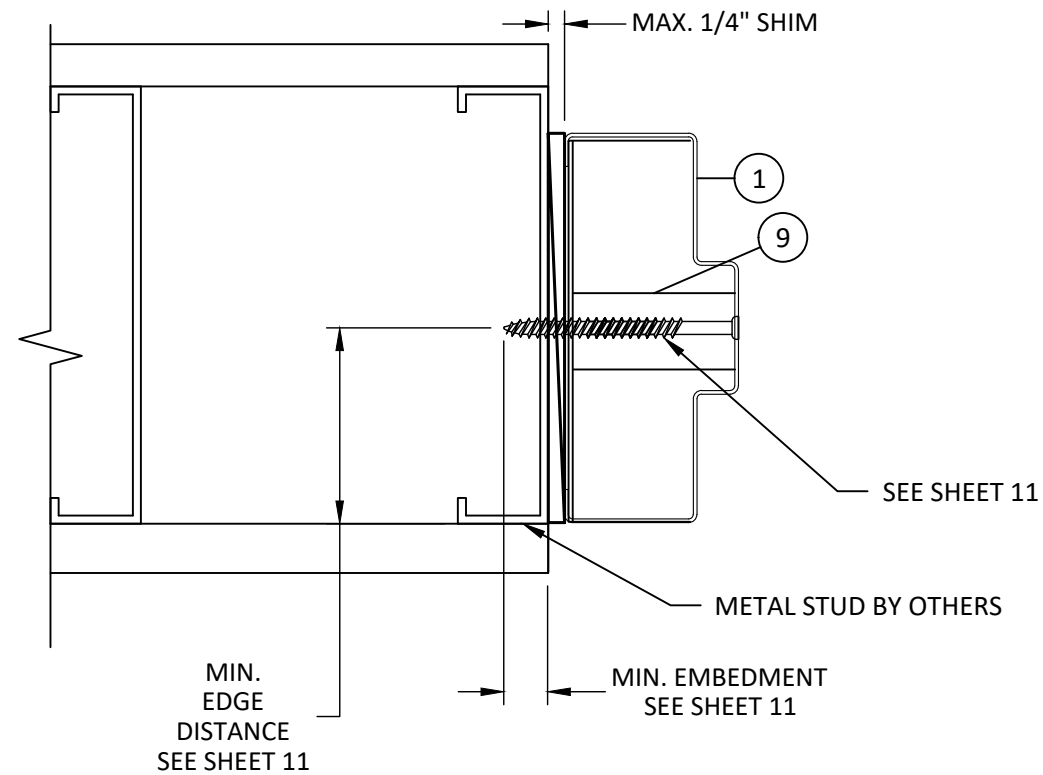
DWG. #: DLF003

SHEET:

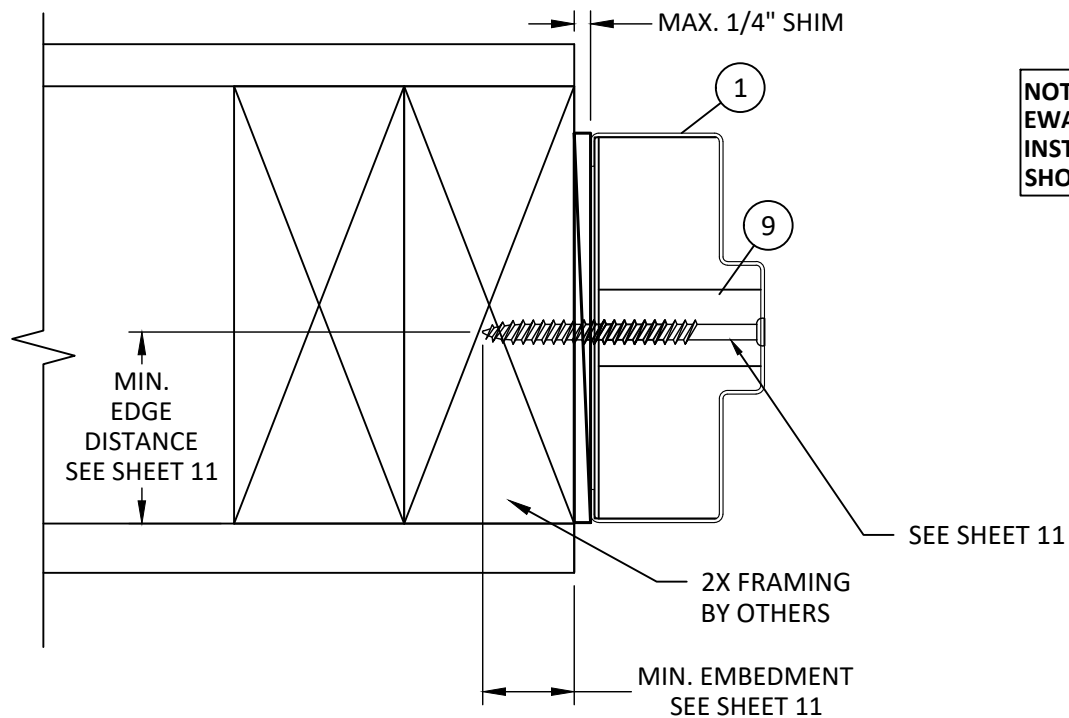
8

OF 18

c:\users\julianarodriguez\building drops, inc\building drops landing - documents\common\projects\de la fontaine\lbc-26-0101 - hager hardware revisions\dwgs\dlf003-a.dwg 3/18/2026 1:45 PM

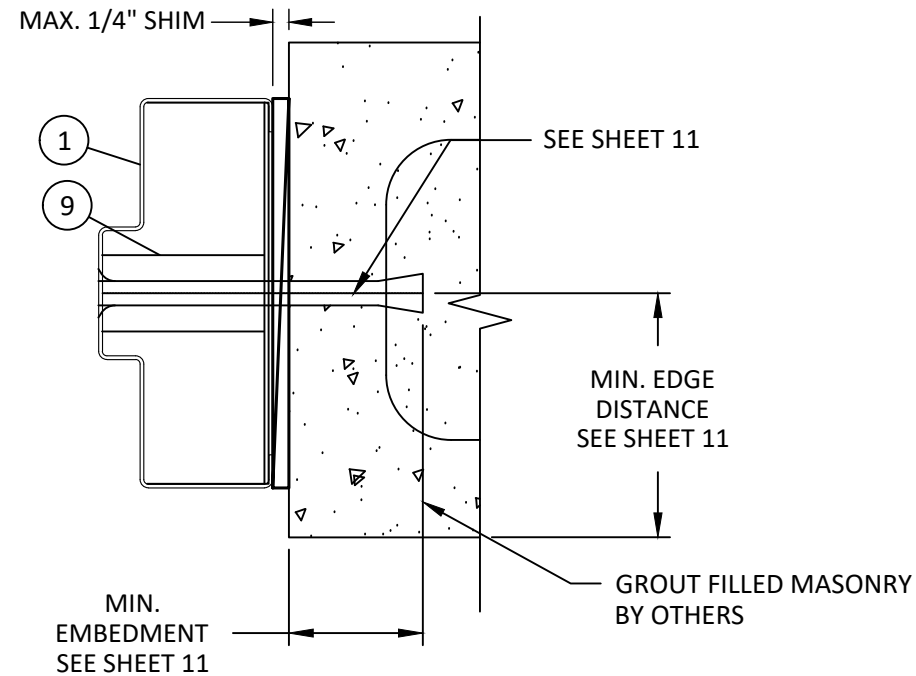


T
9 **HORIZONTAL SECTION**
EWA TUBE ANCHOR
METAL STUD

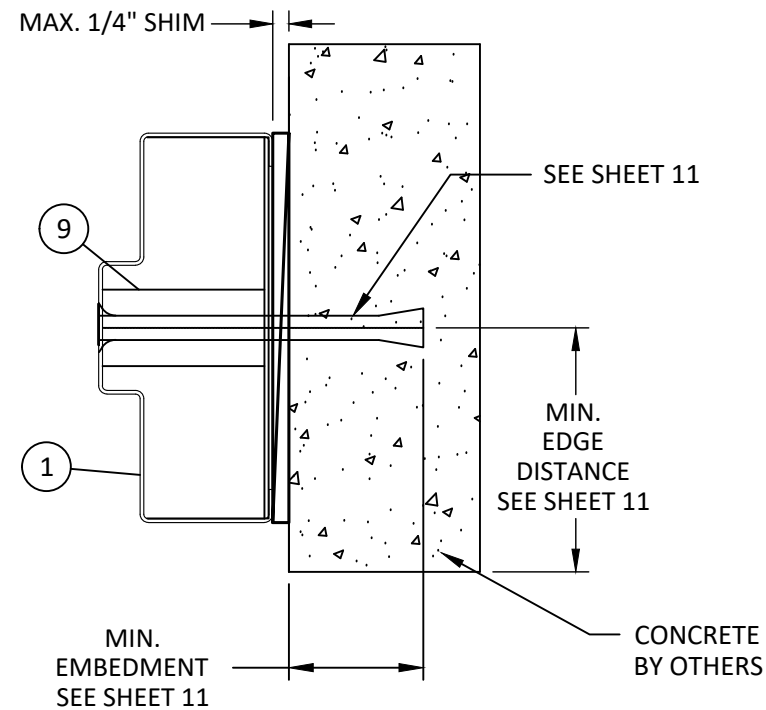


V
9 **HORIZONTAL SECTION**
EWA TUBE ANCHOR
WOOD STUD

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



U
9 **HORIZONTAL SECTION**
EWA TUBE ANCHOR
CONCRETE MASONRY UNIT



W
9 **HORIZONTAL SECTION**
EWA TUBE ANCHOR
CONCRETE



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

TITLE: OUTSWING DOUBLE & SINGLE
GLAZED STEEL DOOR (HVHZ)
(IMPACT)

INSTALLATION DETAILS -
EWA ANCHORS

PREPARED BY:

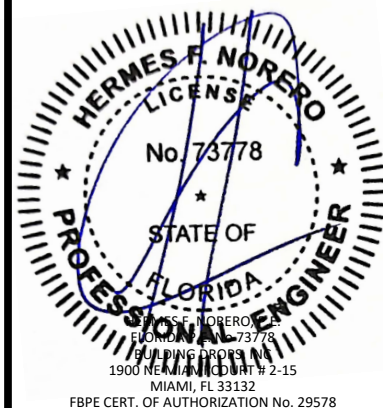
BUILDING DROPS, INC.

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
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

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.



FL46851

DATE: 05.28.24

DWG. BY: DI
CHK. BY: HFN

SCALE: NTS

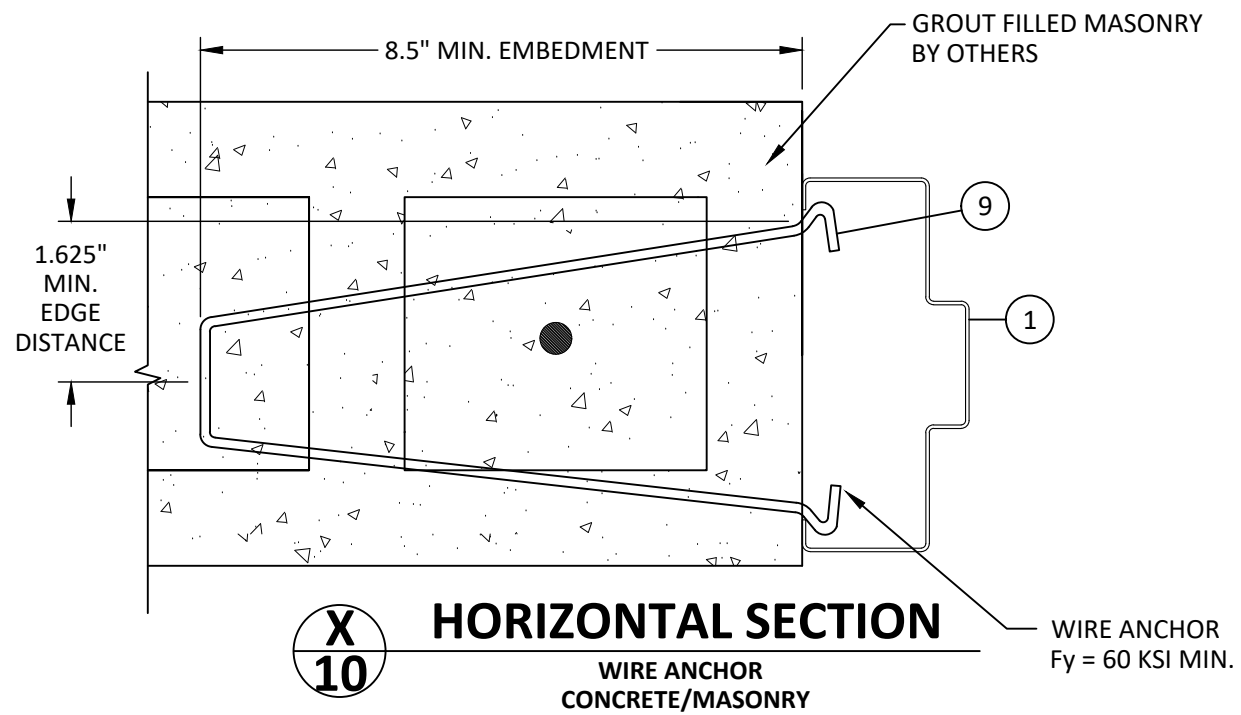
DWG. #: DLF003

SHEET:

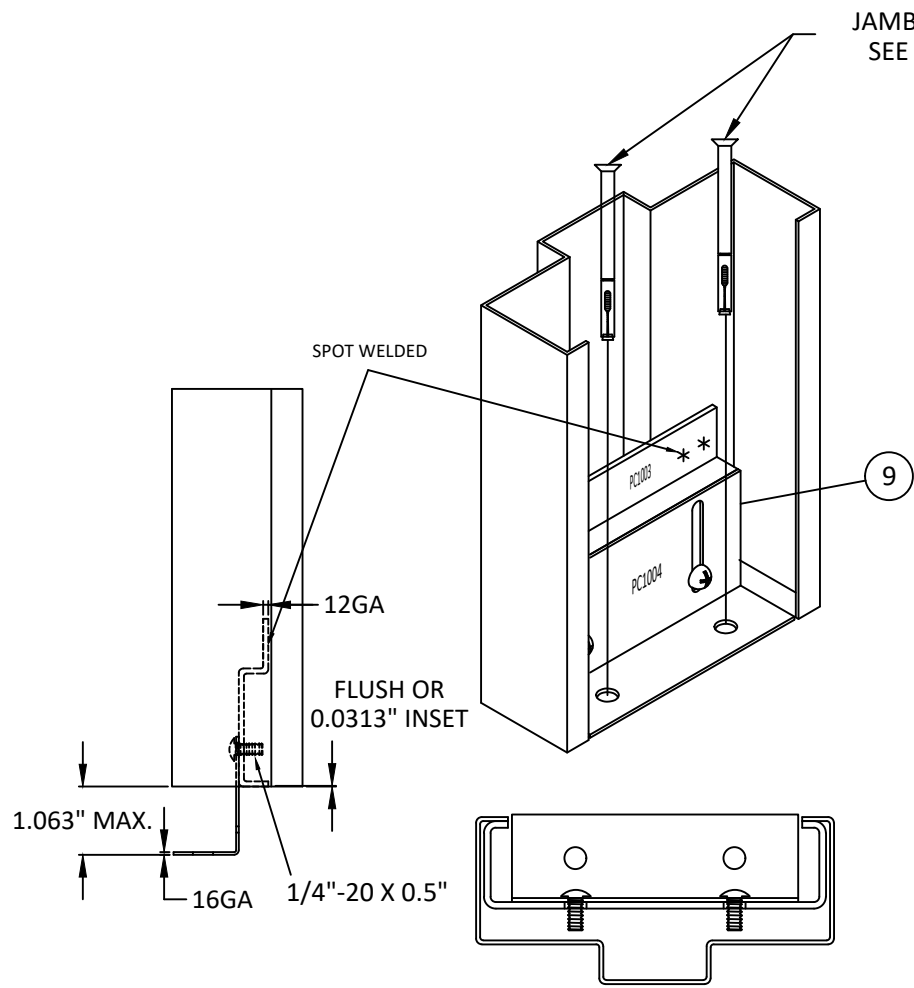
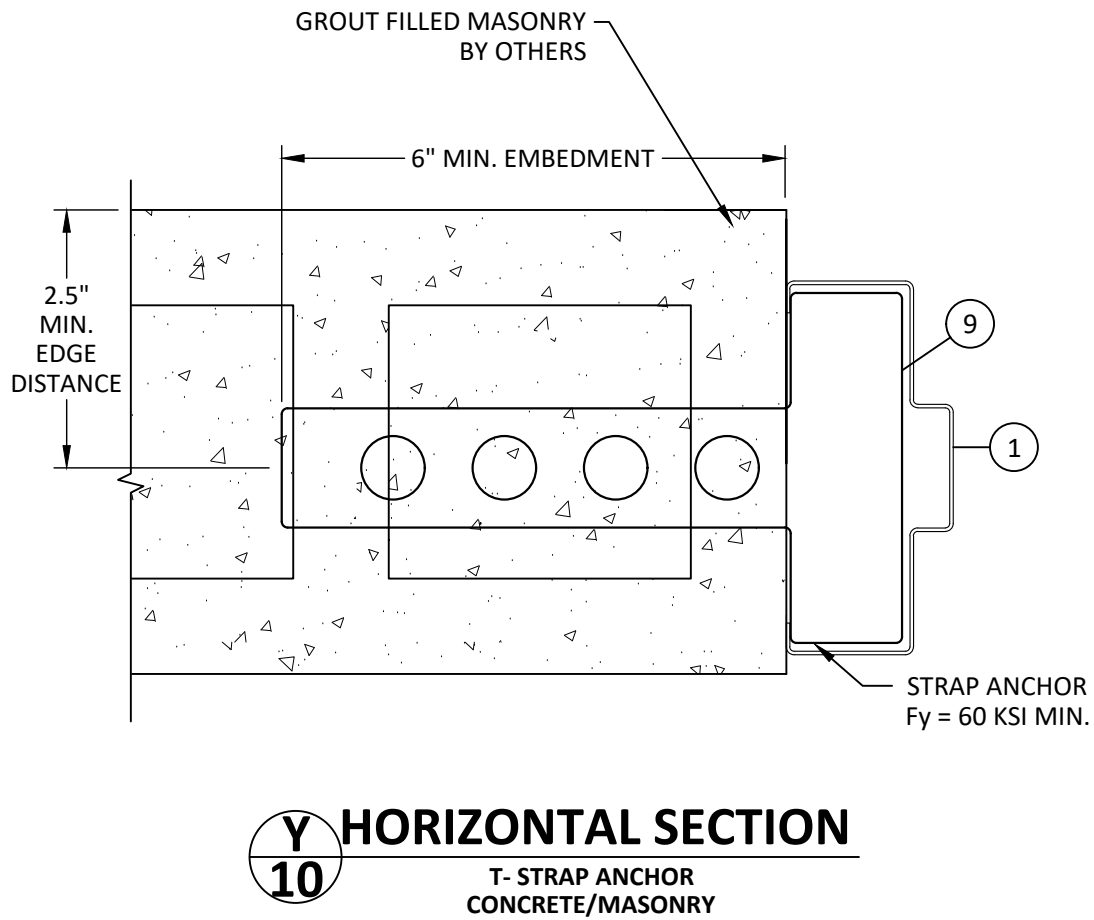
9

OF 18

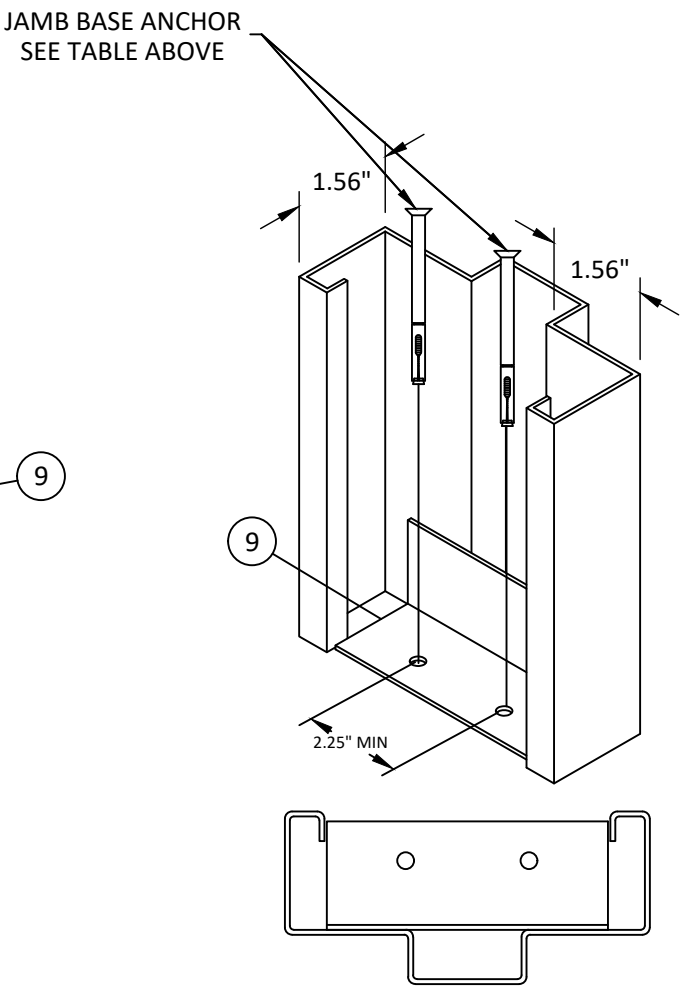
c:\users\julianarodriguez\building drops, inc\building drops landing - documents\common\projects\de la fontaine\lbc-26-0101 - hager hardware revisions\dwgs\dlf003-a.dwg 3/18/2026 1:45 PM



ANCHOR SCHEDULE			
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD: MIN. S.G. = 0.55	#10 WOOD SCREW	1-1/2"	3/4"
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			
CONCRETE: MIN. f'c = 3000 psi	3/16" ITW TAPCON	1"	2"
MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON	1"	2"



NOTE: WELDED OR
ADJUSTABLE BASE ANCHOR TO BE
USED WITH T-STRAP, WIRE,
COMBINATION & Z ANCHOR ONLY



DE LA FONTAINE
STEEL DOORS AND FRAMES

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

TITLE: OUTSWING DOUBLE & SINGLE GLAZED STEEL DOOR (HVHZ) (IMPACT)

INSTALLATION DETAILS - WIRE/T MASONRY & JAMB BASE ANCHORS

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
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

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
LICENSE
No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL46851

DATE: 05.28.24

DWG. BY: DI	CHK. BY: HFN
-------------	--------------

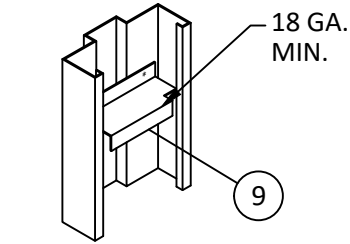
SCALE: NTS

DWG. #: DLF003

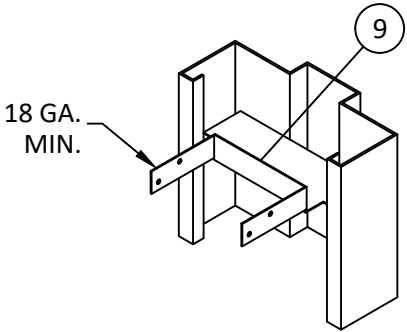
SHEET: 10 OF 18

INSTALLATION NOTES:

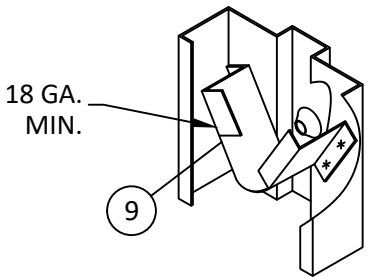
- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE NOTED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH OF THE DEPICTED 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.



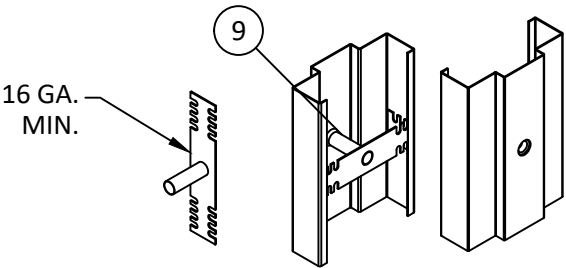
DETAIL CC
Z ANCHOR



DETAIL DD
COMBINATION WOOD/STEEL STUD ANCHOR



DETAIL EE
EXISTING WALL ANCHOR (EWA)



DETAIL FF
EXISTING WALL ANCHOR (EWA) TUBE

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

TITLE: OUTSWING DOUBLE & SINGLE
GLAZED STEEL DOOR (HVHZ)
(IMPACT)

INSTALLATION DETAILS &
NOTES

PREPARED BY:

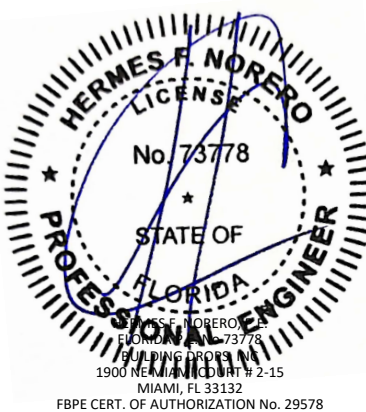
BUILDING DROPS, INC.

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
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

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.



FL46851

DATE: **05.28.24**

DWG. BY:
DI

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **DLF003**

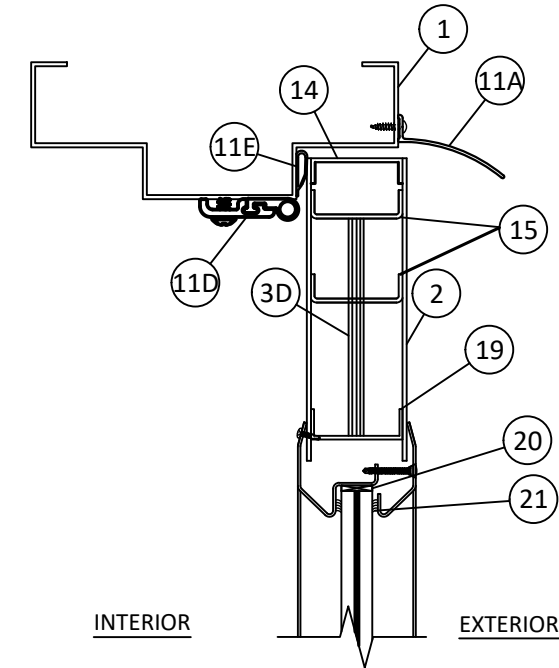
SHEET:

11

OF 18

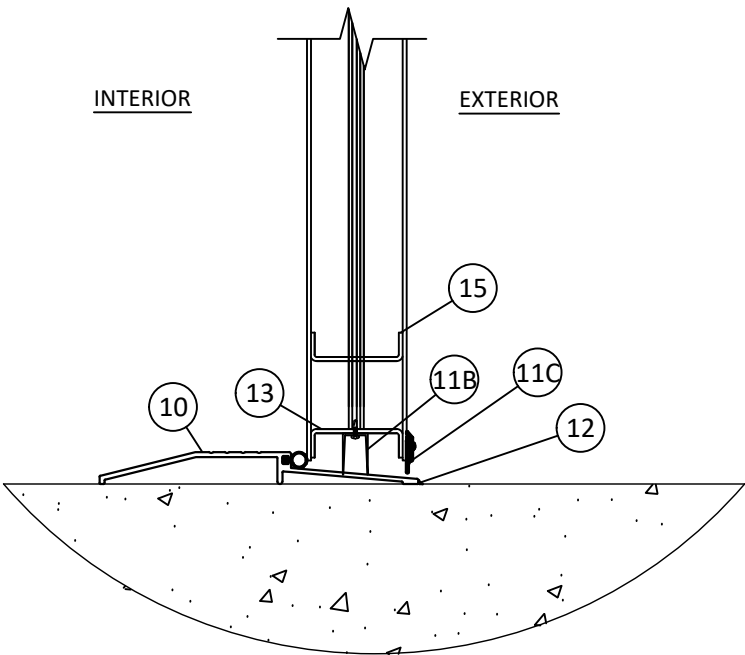
c:\users\julianarodriguez\building drops, inc\building drops landing - documents\common\projects\de la fontaine\lbc-26-0101 - hager hardware revisions\dwgs\dlf003-a.dwg 3/18/2026 1:44 PM

GASKETING DETAILS FOR
WATER INFILTRATION



INTERIOR

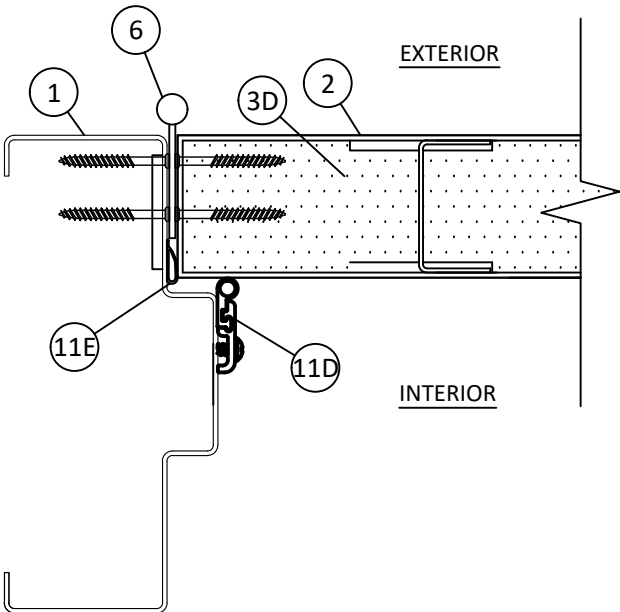
EXTERIOR



INTERIOR

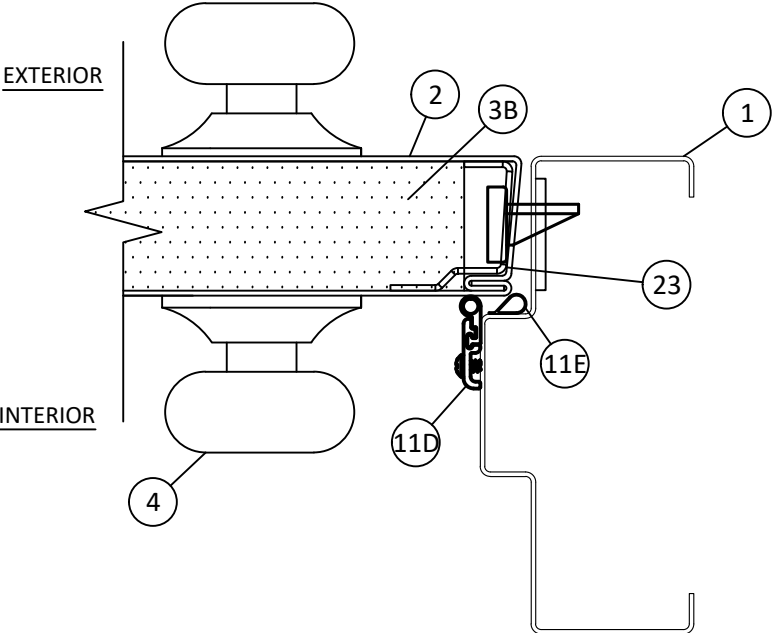
EXTERIOR

Z
12 VERTICAL SECTION
WATER INFILTRATION



EXTERIOR

INTERIOR



EXTERIOR

INTERIOR

AB
12 HORIZONTAL SECTION
WATER INFILTRATION

- NOTE:
1. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK.
 2. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK.

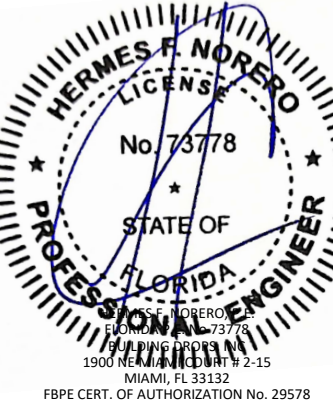


4115 RUE BRODEUR STREET
SHERBROOKE, QC J1L1K4
PH: (819) 821-9230 FX: (819) 569-5928

TITLE: OUTSWING DOUBLE & SINGLE GLAZED STEEL DOOR (HVHZ) (IMPACT)
GASKETING DETAILS FOR WATER INFILTRATION
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
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

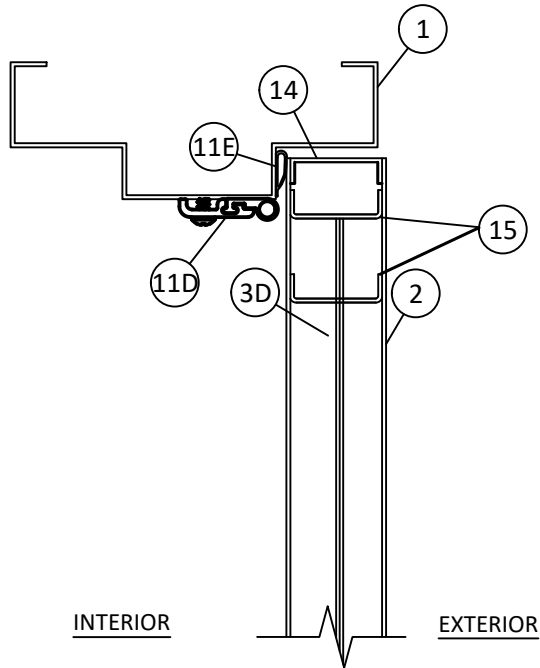
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



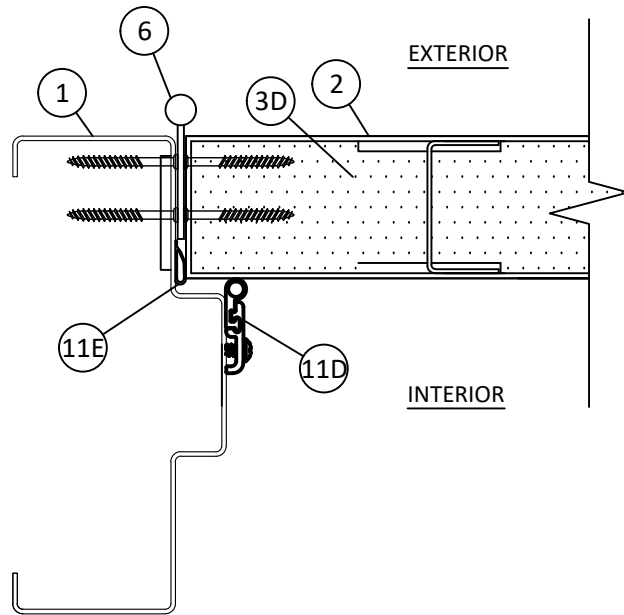
FL46851
DATE: 05.28.24
DWG. BY: DI CHK. BY: HFN
SCALE: NTS
DWG. #: DLF003
SHEET: 12 OF 18

c:\users\julianarodriguez\building drops, inc\building drops landing - documents\common\projects\de la fontaine\lbc-26-0101 - hager hardware revisions\dwgs\dlf003-a.dwg 3/18/2026 1:45 PM

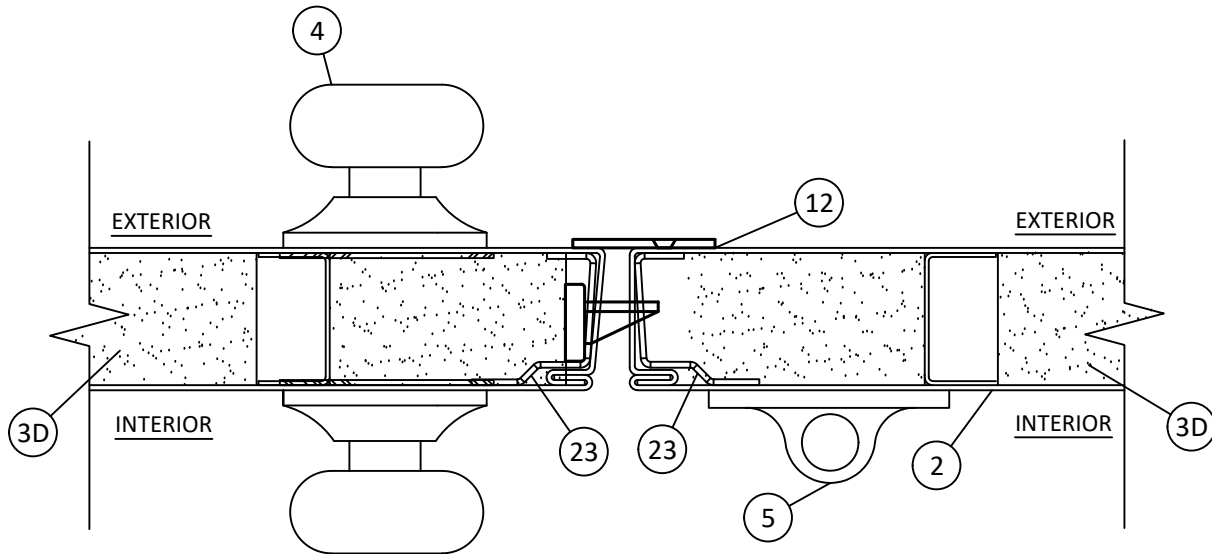
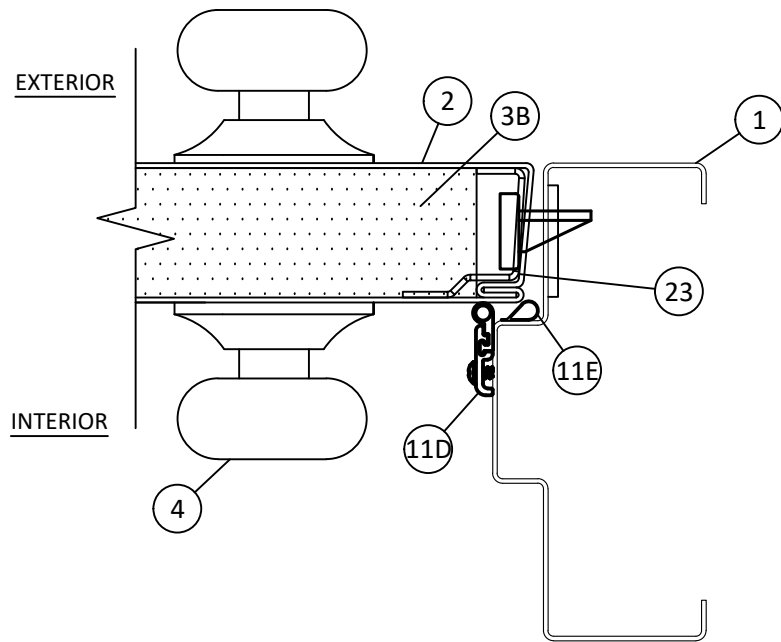
GASKETING DETAILS FOR
AIR INFILTRATION



AC 13 VERTICAL SECTION
AIR INFILTRATION



AD 13 HORIZONTAL SECTION
AIR INFILTRATION



AE 13 HORIZONTAL SECTION
AIR INFILTRATION

- NOTE:
1. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK.
 2. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK.



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

TITLE: OUTSWING DOUBLE & SINGLE
GLAZED STEEL DOOR (HVHZ)
(IMPACT)

GASKETING DETAILS FOR
AIR INFILTRATION

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15

MIAMI, FL 33132

PH: (954) 399-8478

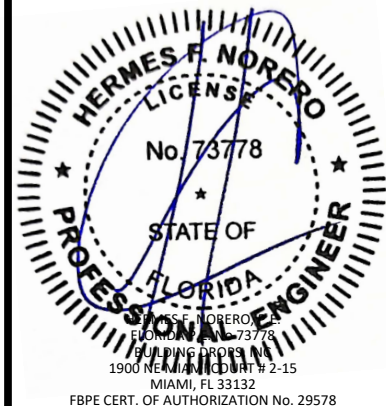
FAX: (954) 744-4738

WEB: www.buildingdrops.com

BUILDING DROPS

REMARKS	BY	DATE
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

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.



FL46851

DATE: 05.28.24

DWG. BY:
DI

CHK. BY:
HFN

SCALE: NTS

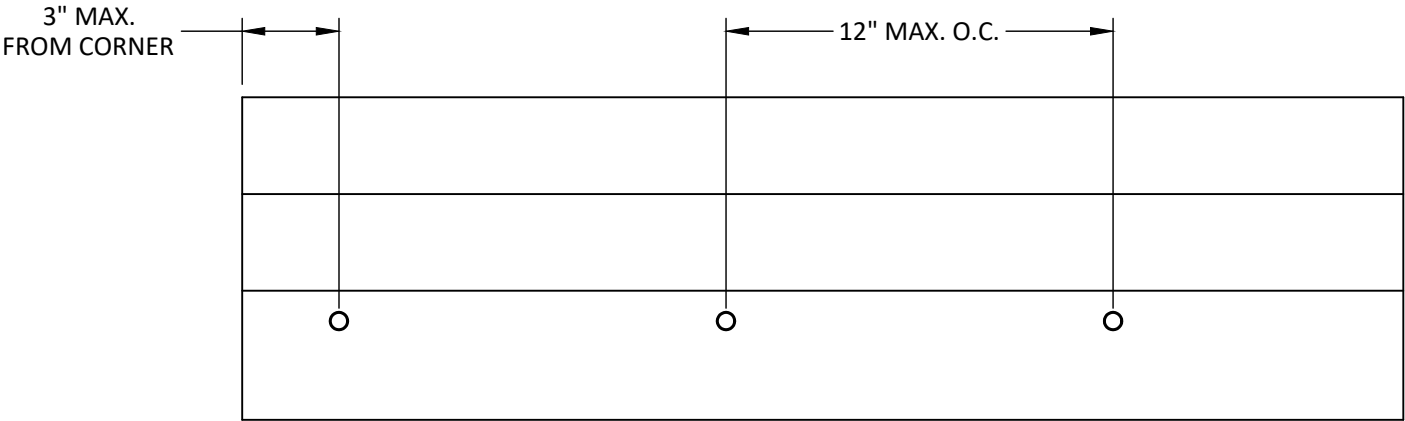
DWG. #: DLF003

SHEET:

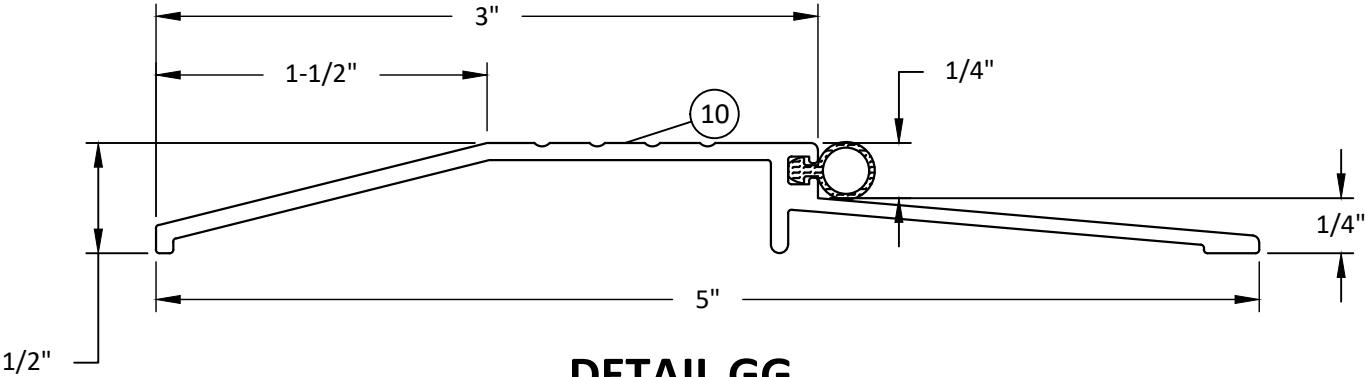
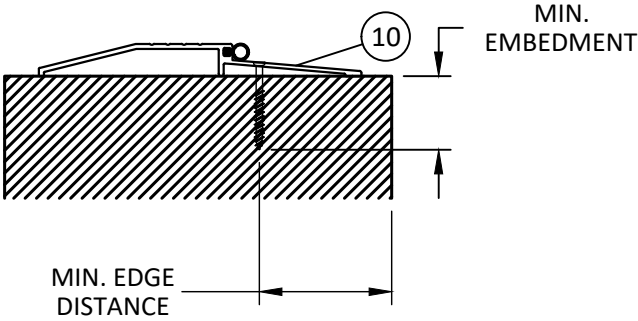
13

OF 18

c:\users\julianarodriguez\building drops, inc\building drops landing - documents\common\projects\de la fontaine\lbc-26-0101 - hager hardware revisions\dwgs\dlf003-a.dwg 3/18/2026 1:44 PM



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

TITLE: OUTSWING DOUBLE & SINGLE
GLAZED STEEL DOOR (HVHZ)
(IMPACT)

THRESHOLD DETAIL &
ANCHOR LAYOUT

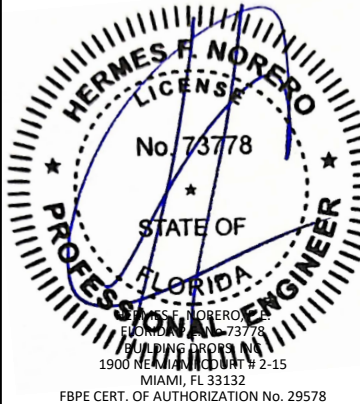
PREPARED BY: BUILDING DROPS, INC.

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
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

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.



FL46851

DATE: 05.28.24

DWG. BY: DI
CHK. BY: HFN

SCALE: NTS

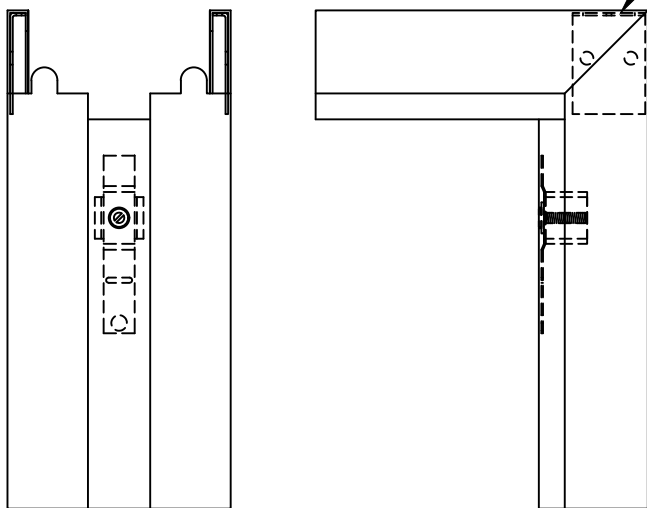
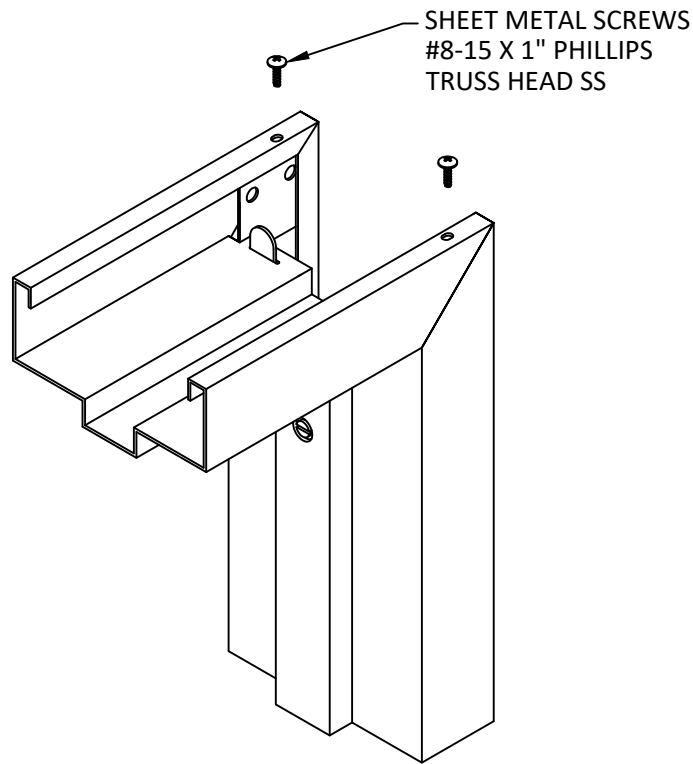
DWG. #: DLF003

SHEET:

14

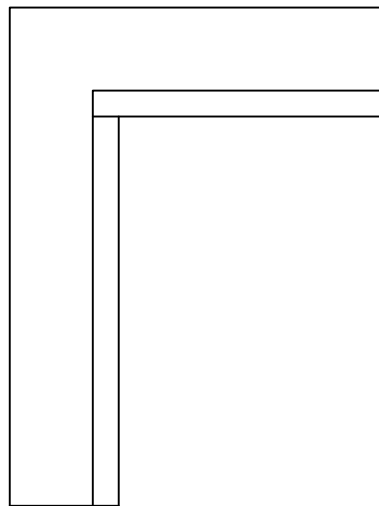
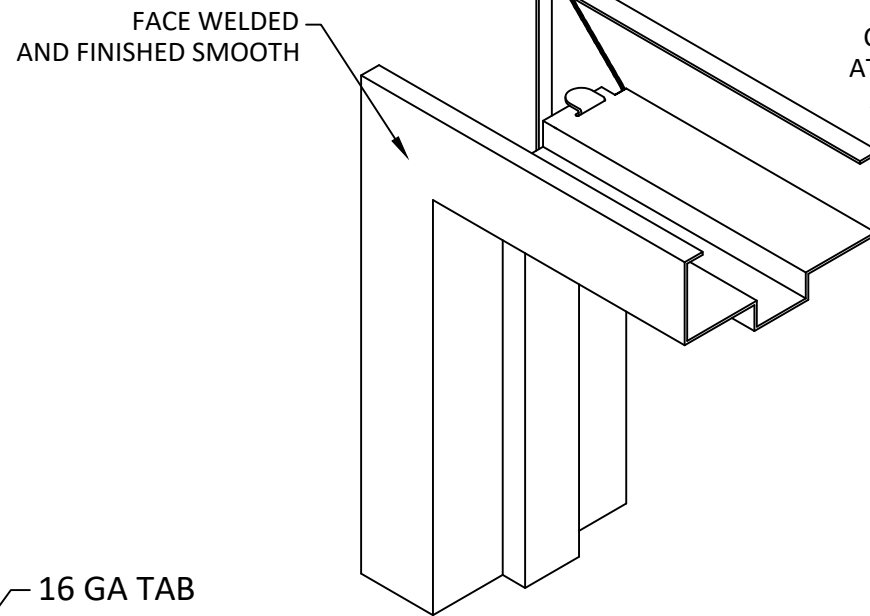
OF 18

c:\users\julianarodriguez\building drops, inc\building drops landing - documents\common\projects\de la fontaine\lbc-26-0101 - hager hardware revisions\dwgs\dlf003-a.dwg 3/18/2026 1:45 PM



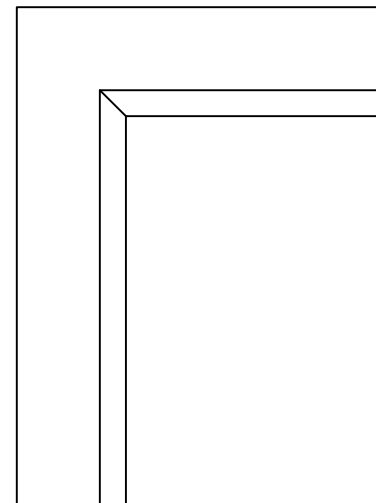
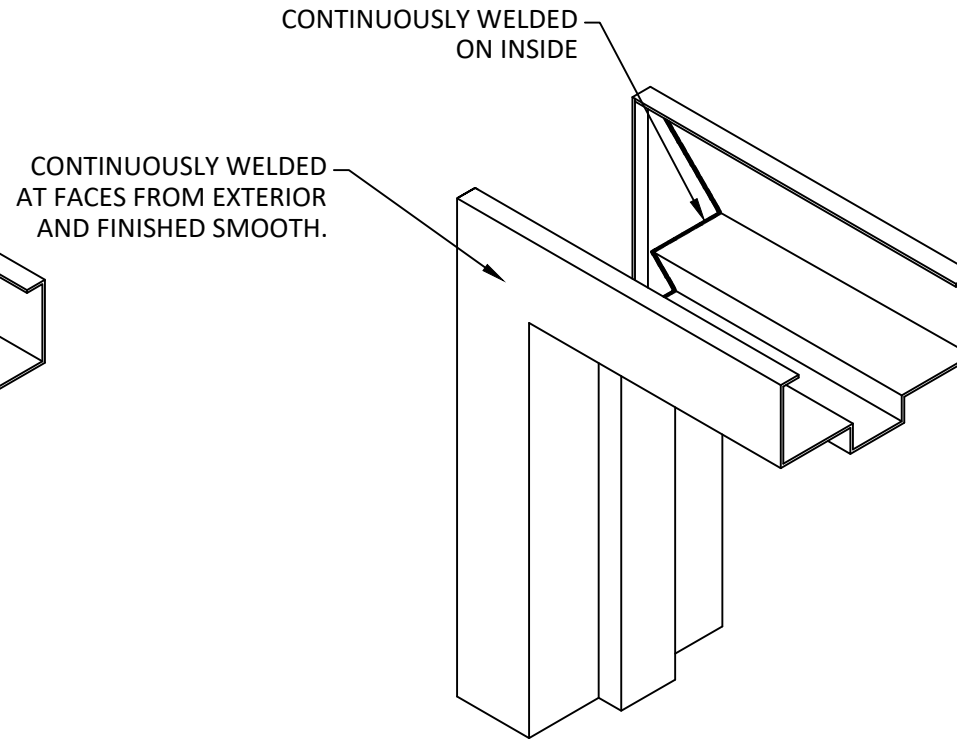
DETAIL HH

KNOCK DOWN CORNER CONSTRUCTION



DETAIL II

FACE WELDED CORNER CONSTRUCTION



DETAIL JJ

FULLY WELDED CORNER CONSTRUCTION



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

TITLE: OUTSWING DOUBLE & SINGLE
GLAZED STEEL DOOR (HVHZ)
(IMPACT)
CORNER CONSTRUCTION

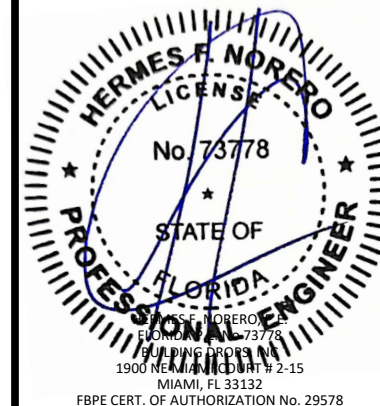
PREPARED BY: BUILDING DROPS, INC.

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
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

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.



FL46851

DATE: 05.28.24

DWG. BY: DI
CHK. BY: HFN

SCALE: NTS

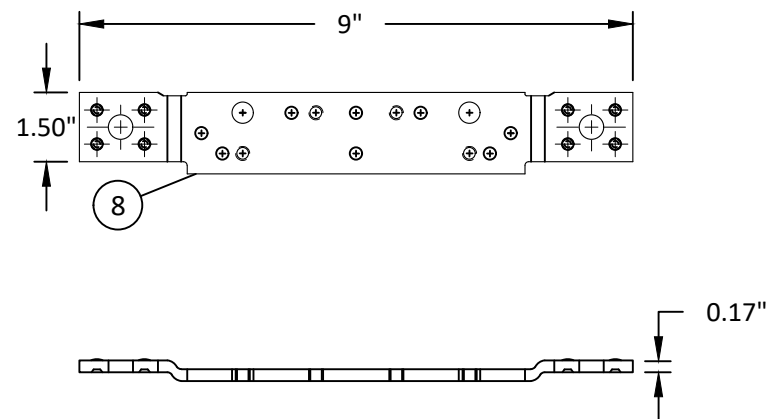
DWG. #: DLF003

SHEET:

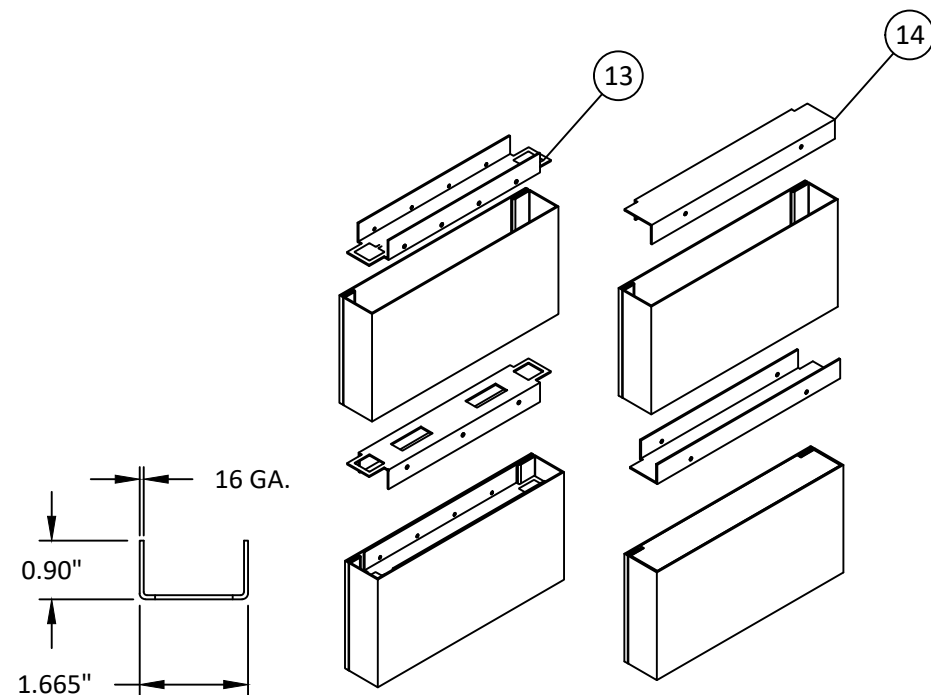
15

OF 18

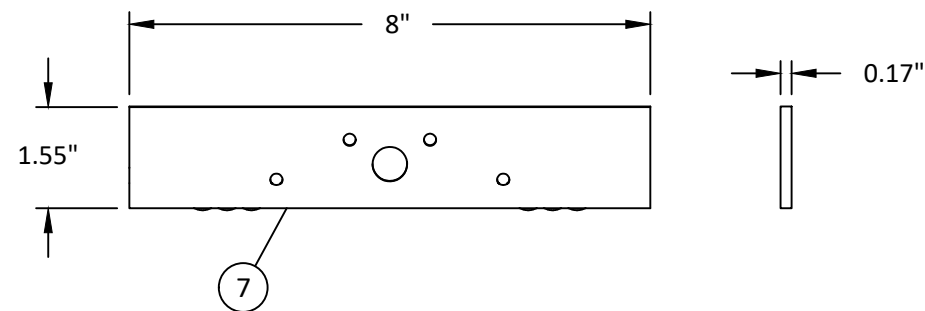
c:\users\julianarodriguez\building drops, inc\building drops landing - documents\common\projects\de la fontaine\lbc-26-0101 - hager hardware revisions\dwgs\dlf003-a.dwg 3/18/2026 1:44 PM



DETAIL KK
FRAME HINGE REINFORCEMENT

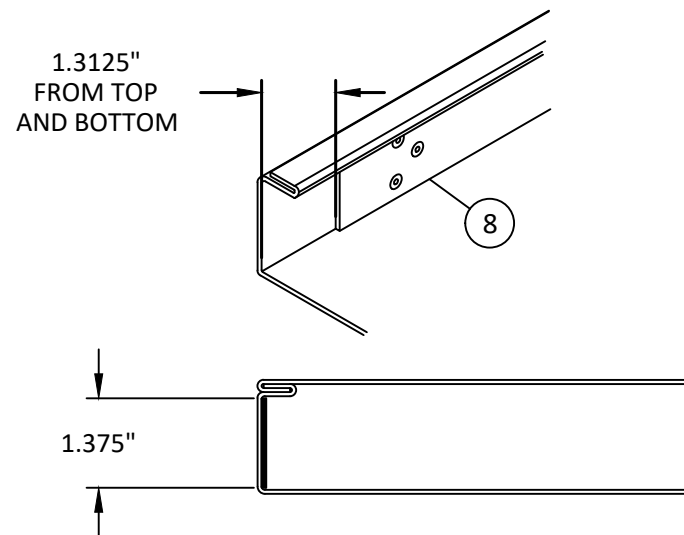


DETAIL MM
END CHANNEL REINFORCEMENTS

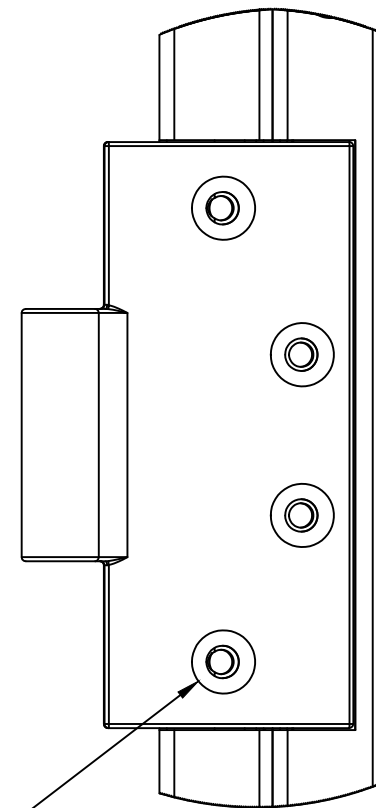


DETAIL LL
DOOR HINGE REINFORCEMENT
AND HINGE DETAIL

ATTACHED WITH FOUR (4) #12 ASSEMBLY
SCREWS



DETAIL NN
DOOR & FRAME CONTINUOUS HINGE REINFORCEMENT
(OPTIONAL)



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

TITLE: OUTSWING DOUBLE & SINGLE
GLAZED STEEL DOOR (HVHZ)
(IMPACT)

REINFORCEMENTS

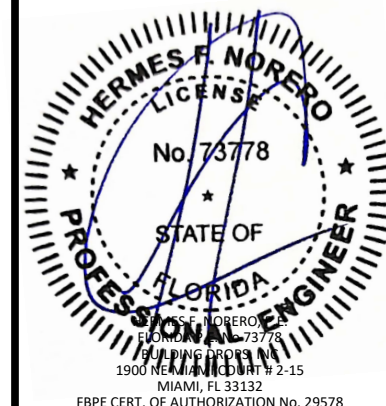
PREPARED BY: BUILDING DROPS, INC.

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
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

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.



FL46851

DATE: 05.28.24

DWG. BY:
DI

CHK. BY:
HFN

SCALE: NTS

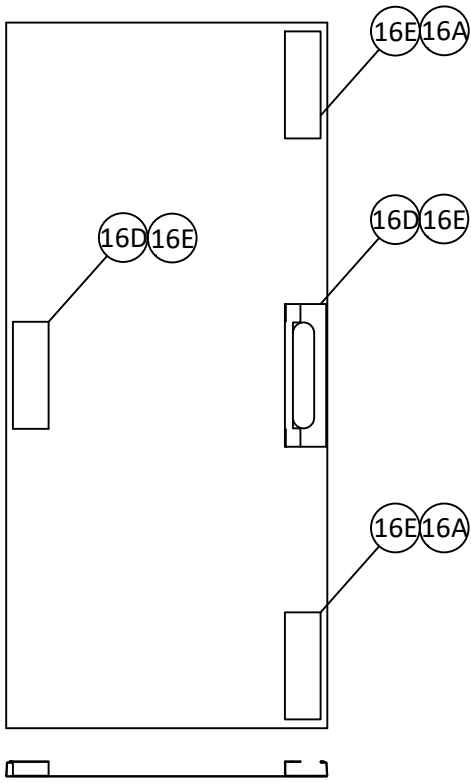
DWG. #: DLF003

SHEET:

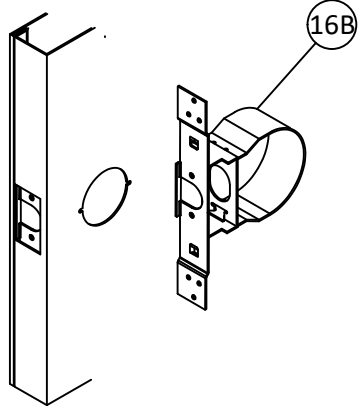
16

OF 18

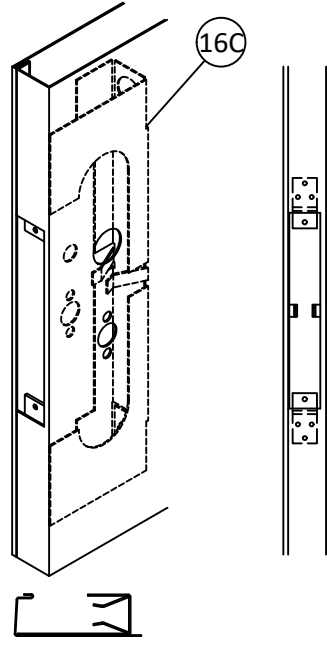
c:\users\julianarodriguez\building drops, inc\building drops landing - documents\common\projects\de la fontaine\lbc-26-0101 - hager hardware revisions\dwgs\dlf003-a.dwg 3/18/2026 1:44 PM



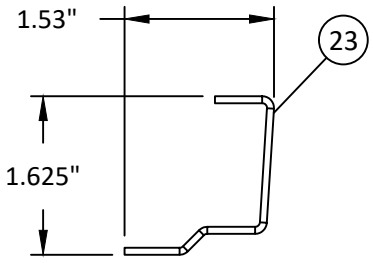
DETAIL OO
RIM EXIT DEVICE AND SURFACE VERTICAL ROD
LOCK REINFORCEMENT



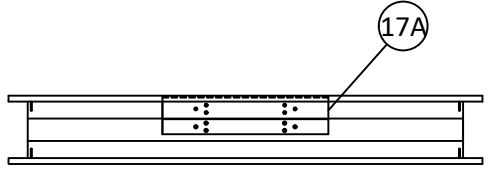
DETAIL PP
CYLINDRICAL LOCK REINFORCEMENT



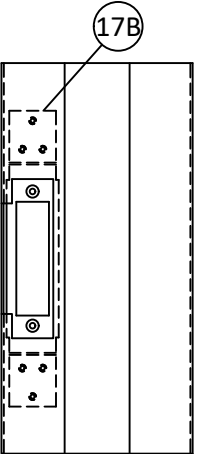
DETAIL QQ
MORTISE LOCK REINFORCEMENT



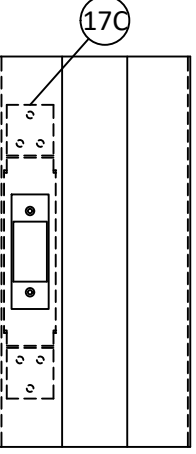
DETAIL RR
LOCK STILE REINFORCEMENT



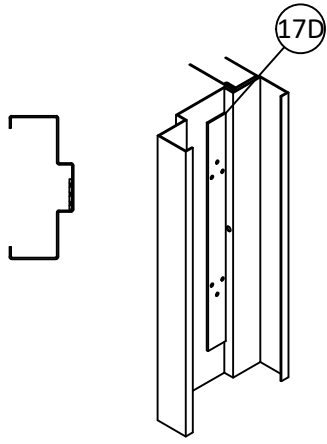
DETAIL SS
SURFACE BOLT
STRIKE REINFORCEMENT



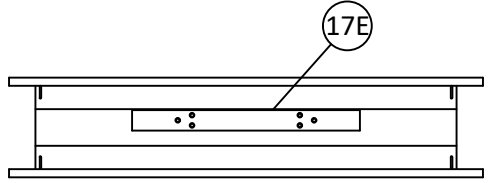
DETAIL TT
CYLINDRICAL LOCK
STRIKE REINFORCEMENT



DETAIL UU
MORTISE LOCK
STRIKE REINFORCEMENT



DETAIL VV
RIM EXIT DEVICE LOCK
STRIKE REINFORCEMENT



DETAIL WW
SURFACE VERTICAL ROD
LOCK STRIKE REINFORCEMENT



**DE LA
FONTAINE**
STEEL DOORS AND FRAMES

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

TITLE: OUTSWING DOUBLE & SINGLE
GLAZED STEEL DOOR (HVHZ)
(IMPACT)

REINFORCEMENTS

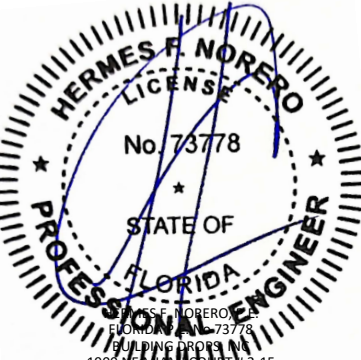
PREPARED BY:

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

**BUILDING DROPS**

REMARKS	BY	DATE
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

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
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO
No. 73778
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL46851

DATE: **05.28.24**

DWG. BY:
DI

CHK. BY:
HFN

SCALE: **NTS**

DWG. #: **DLF003**

SHEET:

17

OF 18

c:\users\julianarodriguez\building drops, inc\building drops landing - documents\common\projects\de la fontaine\lbc-26-0101 - hager hardware revisions\dwgs\dlf003-a.dwg 3/18/2026 1:45 PM

BILL OF MATERIALS		
NO.	DESCRIPTION	MATERIAL
1	FRAME - 5-3/4" MIN. DEPTH	16 GA. MIN. A40/A60/G90 GALV. STEEL
1A	OPTIONAL 4" HEADER FRAME - 5-3/4" MIN. DEPTH	16 GA. MIN. A40/A60/G90 GALV. STEEL
2	DOOR LEAF PANEL SKIN	18 GA. MIN. A40/A60/G90 GALV. STEEL SHEETS
3	CORE MATERIAL:	
	A) HONEYCOMB - LIMITED TO A MAXIMUM DESIGN PRESSURE OF ±50 PSF	
	B) POLYSTYRENE	
	C) POLYURETHANE	
	D) STEEL STIFFENED (POLYSTYRENE OR POLYURETHANE)	
4	LOCKING HARDWARE - SEE SHEET 1	
5	SURFACE BOLT - IVES 360 OR SARGENT 998	STEEL
6	4.5" MIN. BUTT HINGES SEE SHEET 1 NOTE 1.6	0.134" MIN. STEEL/BRASS
	OPTIONAL CONTINUOUS HINGE SEE SHEET 1 NOTE 1.6	ALUMINUM
7	DOOR HINGE REINFORCEMENTS	7 GA. STEEL
8	FRAME HINGE REINFORCEMENT	3/16" X 10" - 7 GA. STEEL
9	JAMB ANCHORS SEE SHEET 10 & 11	
	Z	18 GA. MIN. STEEL
	COMBINATION WOOD/STEEL STUD	
	EXISTING WALL ANCHOR (EWA)	
	EXISTING WALL ANCHOR (EWA) - TUBE	16 GA. MIN. STEEL
	MASONRY WIRE	-
	MASONRY T	-
	ADJUSTABLE/WELDED JAMB BASE	12 GA. STEEL
10	NGP 950N THRESHOLD WITH BUMPER GASKET	1/16" MIN. ALUMINUM
11	WEATHERSTRIPPING	
	A) NGP 16A RAIN DRIP	6063-T5 ALUMINUM
	B) NGP 331 DOOR SHOE	6063-T5 ALUMINUM / PPE / TPV
	C) NGP 200NA DOOR SWEEP	6063-T5 ALUMINUM / EPDM RUBBER / PPE
	D) NGP 137NA PERIMETER SEAL	
	E) NGP 5050 BULB SEAL	SILOXANE
12	CAULK	SILICONE OR BUTYL RUBBER
13	ST END CHANNEL	16 GA. STEEL
14	FWC END CHANNEL	16 GA. STEEL
15	HORIZONTAL REIN. CHANNELS	STEEL
16	DOOR LOCK REINFORCEMENT SEE SHEET 17	
	A) SURFACE BOLT REINFORCEMENT	16 GA. MIN. STEEL
	B) CYLINDRICAL LOCK REINFORCEMENT	16 GA. MIN. STEEL
	C) MORTISE LOCK REINFORCEMENT	16 GA. MIN. STEEL
	D) RIM EXIT DEVICE REINFORCEMENT	16 GA. MIN. STEEL
	E) SURFACE VERTICAL RODS REINFORCEMENT	16 GA. MIN. STEEL

17	FRAME LOCK STRIKE REINFORCEMENT SEE SHEET 17	
	A) SURFACE BOLT STRIKE REINFORCEMENT	16 GA. MIN. STEEL
	B) CYLINDRICAL STRIKE REINFORCEMENT	16 GA. MIN. STEEL
	C) MORTISE STRIKE REINFORCEMENT	16 GA. MIN. STEEL
	D) RIM EXIT STRIKE REINFORCEMENT	16 GA. MIN. STEEL
	E) SURFACE VERTICAL ROD STRIKE REINFORCEMENT	16 GA. MIN. STEEL
18	FLAT ASTRAGAL	STEEL
	Z ASTRAGAL	STEEL
19	LITE KIT CHANNEL	STEEL
20	GLAZING TAPE	BUTYL RUBBER
21	DOW CORNING DOWSIL 995	SILICONE
22	VON DUPRIN HH9954 MULLION	-
	CORBIN RUSSWIN FE707A MULLION	-
	HAGER 4500 MULLION	-
23	LOCK STILE REINFORCEMENT	STEEL



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

TITLE: OUTSWING DOUBLE & SINGLE GLAZED STEEL DOOR (HVHZ) (IMPACT)

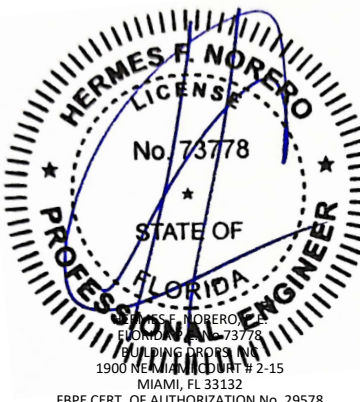
BILL OF MATERIALS

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
HDW & DP UPDATE	DI	8/22/24
A: HDW UPDATE	JR	2/24/26

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
LICENSE
No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO
No. 73778
BUILDING DROPS, INC.
1900 NE MIAMI COURT # 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL46851

DATE: 05.28.24

DWG. BY: DI	CHK. BY: HFN
-------------	--------------

SCALE: NTS

DWG. #: DLF003

SHEET: 18 OF 18