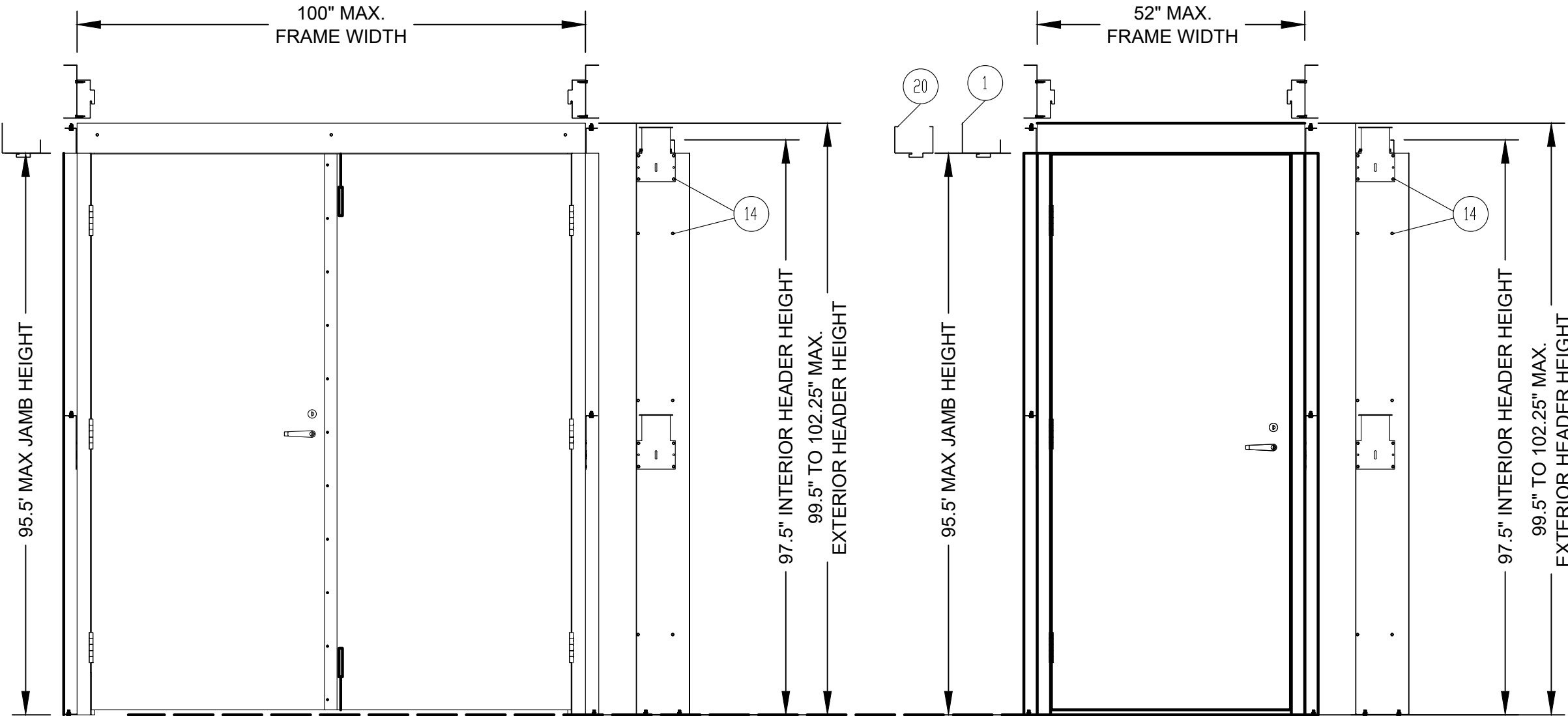


VISION HOLLOW METAL LIMITED

LS1875 STEEL DOOR - OUTSWING - IMPACT RATED

INSTALLATION ANCHORAGE DETAILS



ELEVATION
EXTERIOR

CYLINDRICAL LOCK & DEADBOLT SHOWN. MORTISE LOCK AND
PANIC BAR EXIT DEVICE ALSO APPROVED.

ELEVATION
EXTERIOR

CYLINDRICAL LOCK & DEADBOLT SHOWN. MORTISE LOCK AND
PANIC BAR EXIT DEVICE ALSO APPROVED.

GENERAL NOTES:

- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
- When used in areas outside of the "HVHZ" requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- This product meets the water infiltration requirements for the FBC.
- When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6

PERFORMANCE RATING			
CONFIGURATION	DOOR SWING	DESIGN PRESSURE (PSF)	IMPACT RATING
X	OUTSWING	+75 / -75	LARGE MISSILE IMPACT
XX		+75 / -75	

TABLE OF CONTENTS	
SHEET	DESCRIPTION
1	NOTES & ELEVATION
2, 3 & 4	VERTICAL CROSS SECTION
5	HORIZONTAL CROSS SECTION
6	INSTALLATION AND FABRICATION DETAILS
7 & 8	COMPONENTS
9	BOM

This item has been digitally signed and sealed by Robert J. Amoruso, PE on the date adjacent to the seal. Signature must be verified on any electronic copies.

Vision Hollow Metal Limited
400 Zenway Blvd., Unit #1
Woodbridge, ON. L4H 0S7

LS1875 STEEL DOOR - OUTSWING - IMPACT RATED INSTALLATION ANCHORAGE DETAILS				
NO.	REVISION DESCRIPTION	BY	DATE	
C	UPDATE INSTALLATION CONFIGURATION	RJA	12/8/25	
B	UPDATE INSTALLATION CONFIGURATION	RJA	5/1/24	
A	UPDATE TO 8TH ED (2023) FBC	RJA	9/25/23	

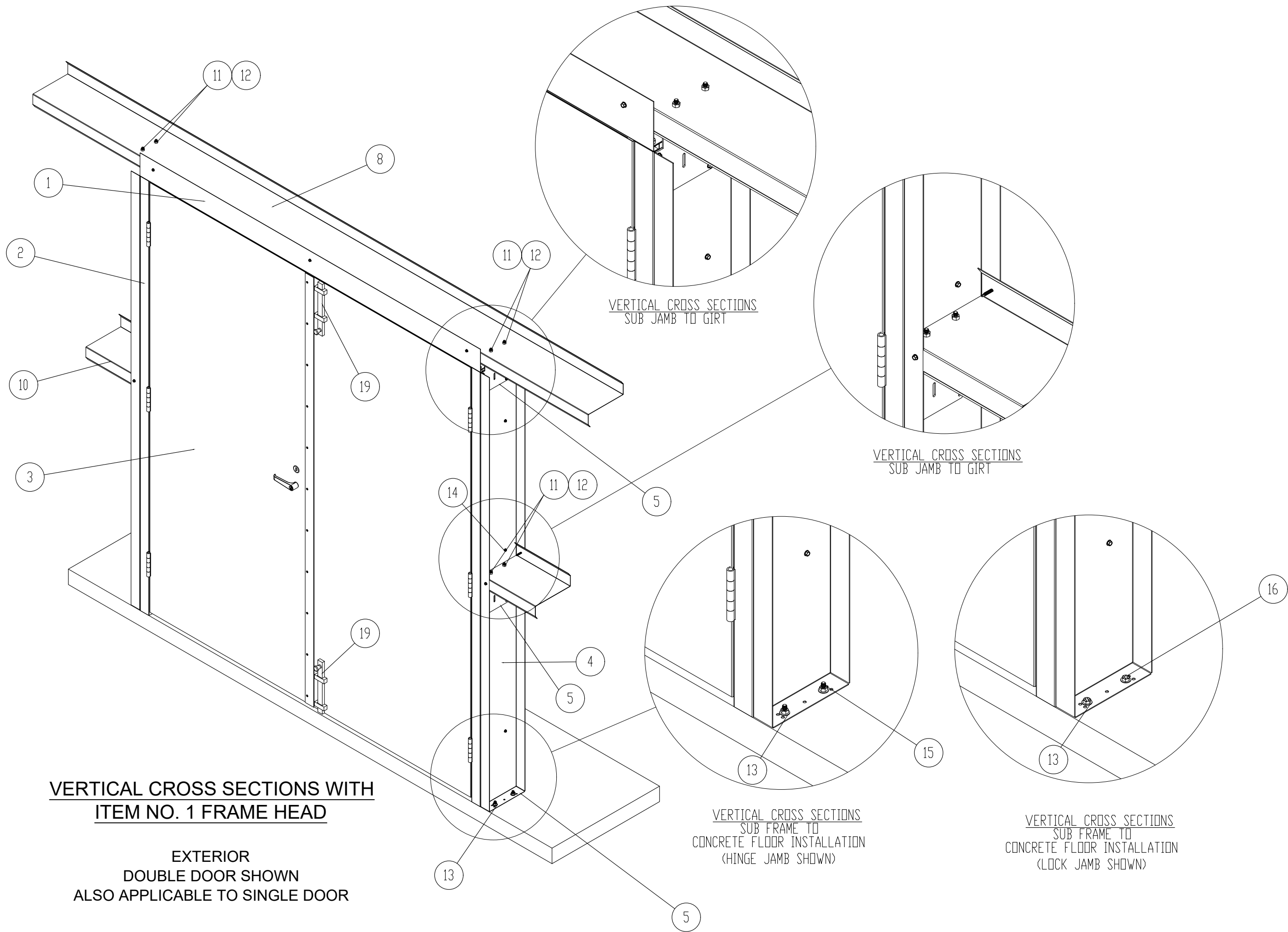
DATE: 3/16/21	DWN BY: RJA	CHK BY: RJA	SCALE: NONE
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ROBERT J. AMORUSO, P.E. #49752
AMORUSO CONSULTING ENG., LLC
FBPE REGISTRATION NO. 38327
226 N NOVA RD, NO. 142
ORMOND BEACH, FL 32174
RJAENGPE@GMAIL.COM



Digitally signed
by Robert J
Amoruso
Date: 2026.02.04
16:14:29 -05'00'

PROJECT#:	ACE-2025-137
DWG/REV:	VHM0001, Rev. C
SHT:	1 of 9



VERTICAL CROSS SECTIONS WITH
ITEM NO. 1 FRAME HEAD

EXTERIOR
DOUBLE DOOR SHOWN
ALSO APPLICABLE TO SINGLE DOOR

VERTICAL CROSS SECTIONS
SUB JAMB TO GIRT

VERTICAL CROSS SECTIONS
SUB JAMB TO GIRT

VERTICAL CROSS SECTIONS
SUB FRAME TO
CONCRETE FLOOR INSTALLATION
(HINGE JAMB SHOWN)

VERTICAL CROSS SECTIONS
SUB FRAME TO
CONCRETE FLOOR INSTALLATION
(LOCK JAMB SHOWN)

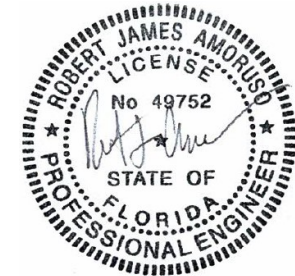
Vision Hollow Metal Limited
400 Zenway Blvd., Unit #1
Woodbridge, ON. L4H 0S7

LS1875 STEEL DOOR - OUTSWING - IMPACT RATED
INSTALLATION ANCHORAGE DETAILS

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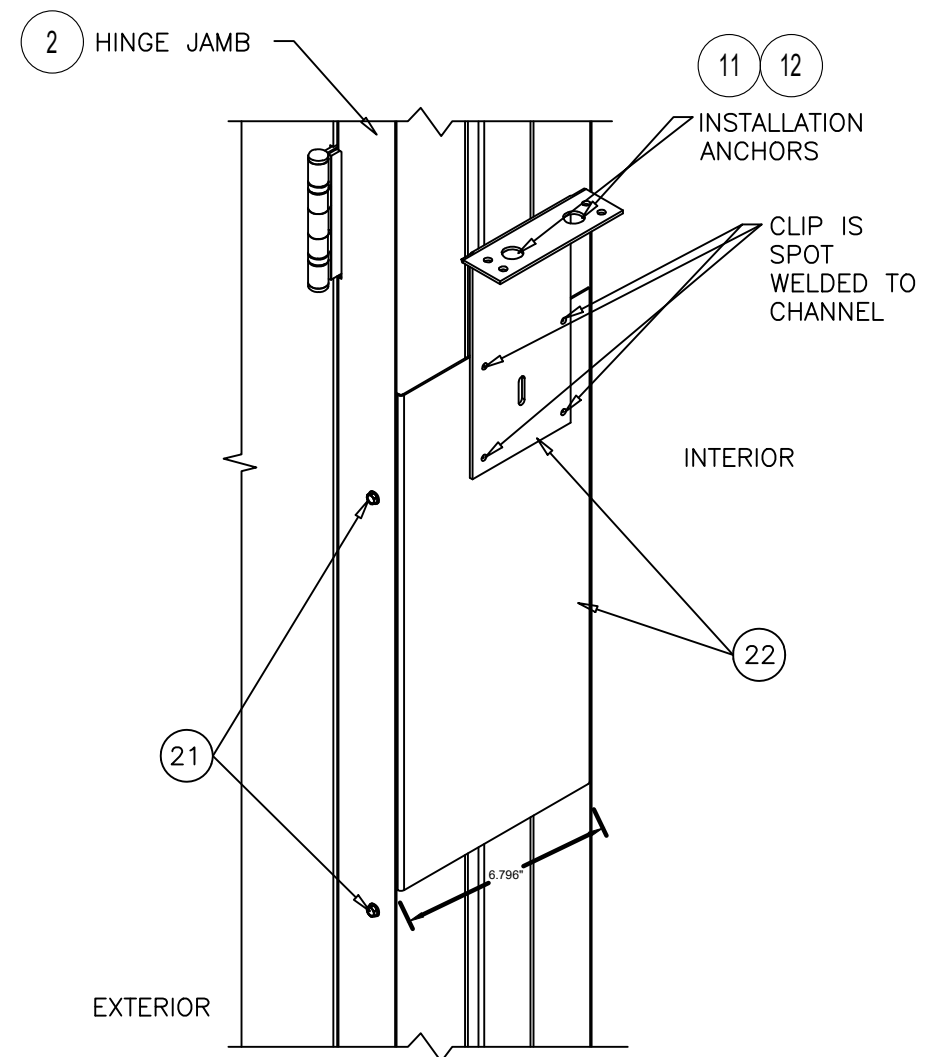
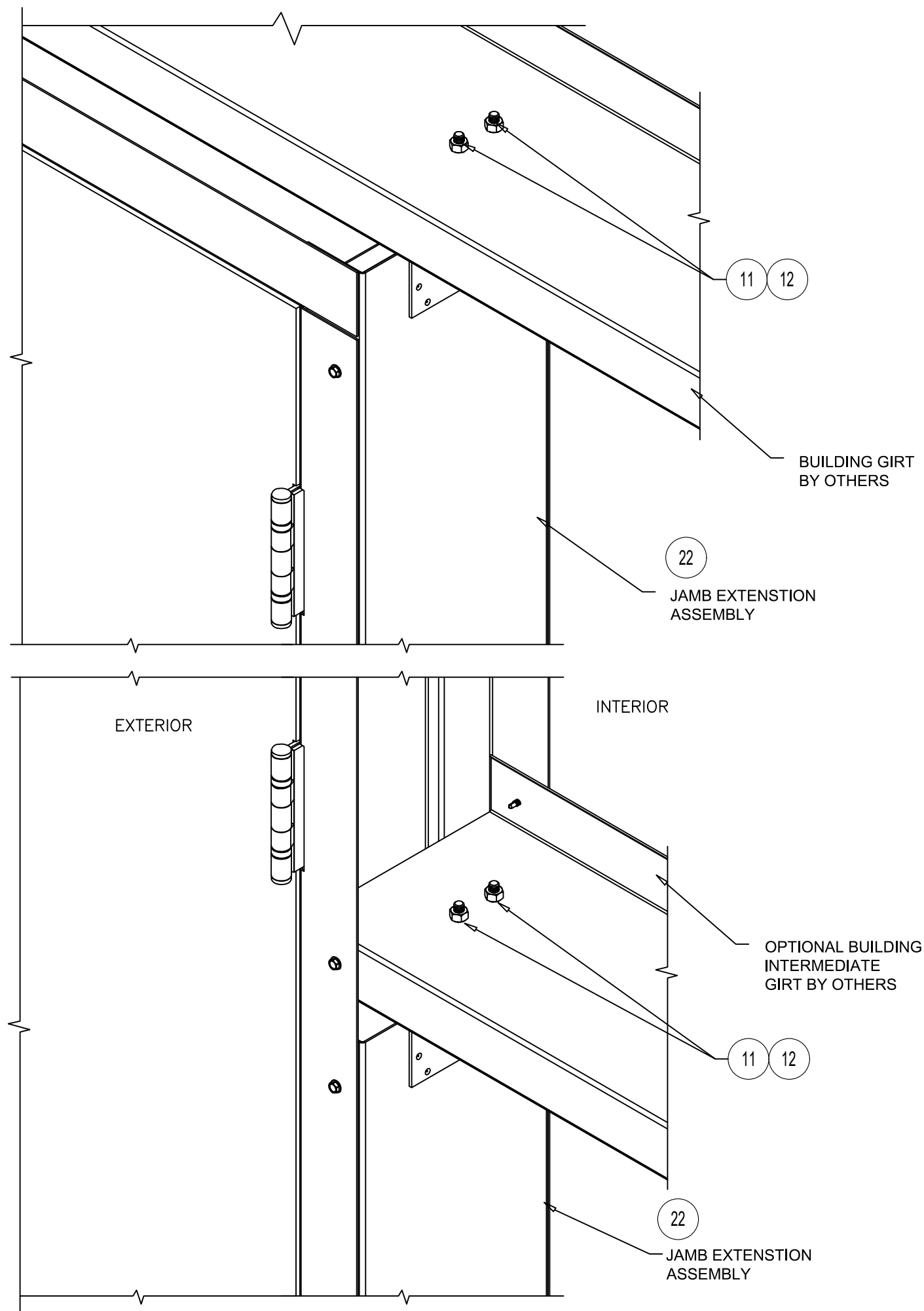


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Date: 2026.02.04
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PROJECT#: ACE-2025-137

DWG/REV: VHM0001, Rev. C

SHT: 2 of 9



JAMB EXTENSION ASSEMBLY DETAIL

VERTICAL CROSS SECTIONS WITH ITEM NO. 22 JAMB EXTENSION ASSEMBLY

EXTERIOR
DOUBLE DOOR SHOWN
ALSO APPLICABLE TO SINGLE DOOR
HINGE JAMB SHOWN
ALSO APPLICABLE TO LOCK JAMB

Vision Hollow Metal Limited
400 Zenway Blvd., Unit #1
Woodbridge, ON. L4H 0S7

LS1875 STEEL DOOR - OUTSWING - IMPACT RATED INSTALLATION ANCHORAGE DETAILS			
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Robert J Amoruso
Date: 2026.02.04
16:15:00 -05'00'

PROJECT#: ACE-2025-137

DWG/REV: VHM0001, Rev. C

SHT: 3 of 9

LS1875 STEEL DOOR - OUTSWING - IMPACT RATED INSTALLATION ANCHORAGE DETAILS				
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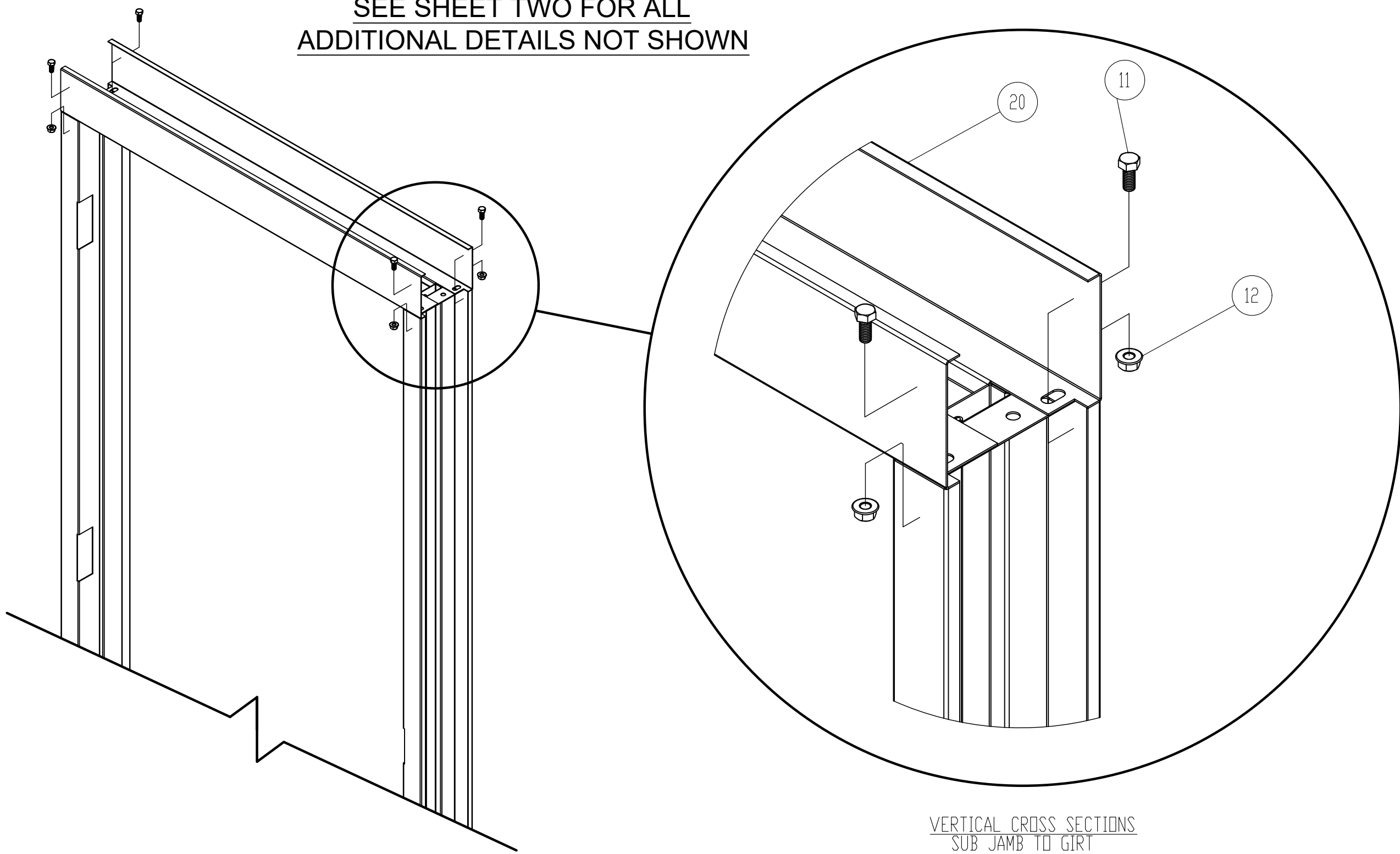
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Robert J Amoruso
Date: 2026.02.04
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PROJECT#: ACE-2025-137

DWG/REV: VHM0001, Rev. C

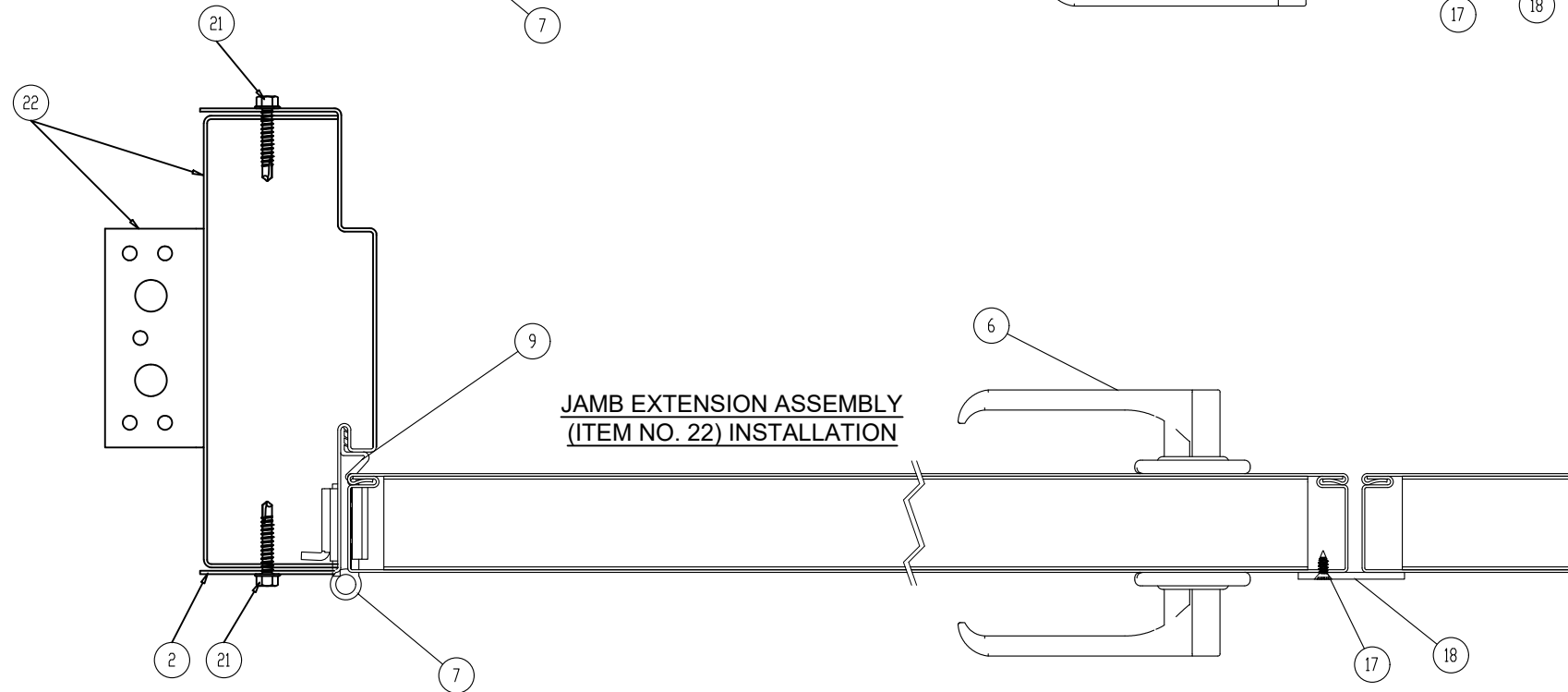
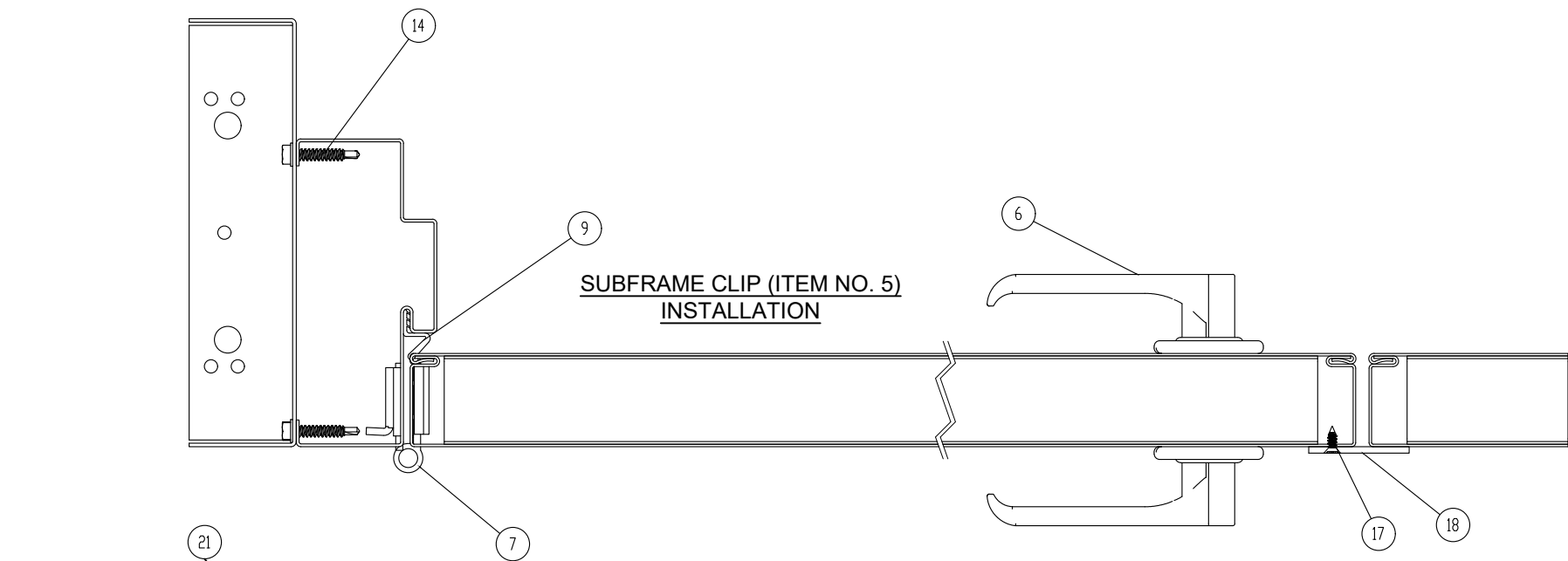
SHT: 4 of 9

SEE SHEET TWO FOR ALL
ADDITIONAL DETAILS NOT SHOWN



VERTICAL CROSS SECTIONS
SUB JAMB TO GIRT

VERTICAL CROSS SECTIONS WITH
ITEM NO. 20 4" FRAME HEAD
EXTERIOR
SINGLE DOOR SHOWN
ALSO APPLICABLE TO DOUBLE DOOR



HORIZONTAL CROSS SECTION
INSTALLATIONS

(RIGHT SIDE JAMB OMITTED)
EXTERIOR

Vision Hollow Metal Limited
400 Zenway Blvd., Unit #1
Woodbridge, ON. L4H 0S7

LS1875 STEEL DOOR - OUTSWING - IMPACT RATED INSTALLATION ANCHORAGE DETAILS				
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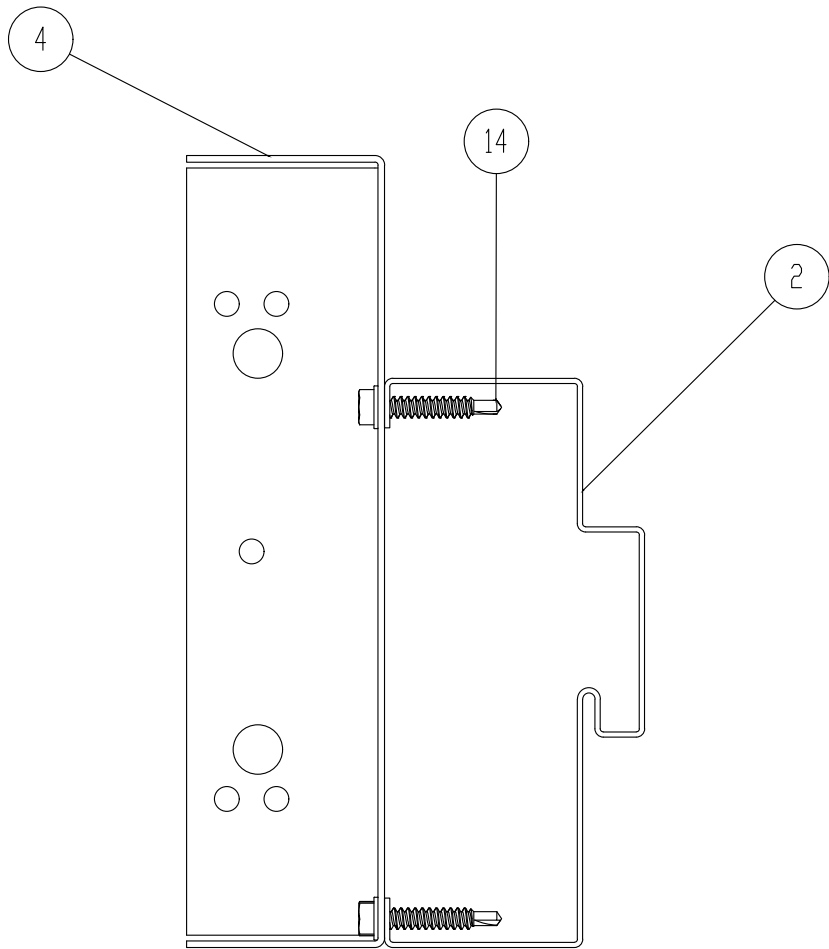


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Robert J Amoruso®
Date: 2026.02.04
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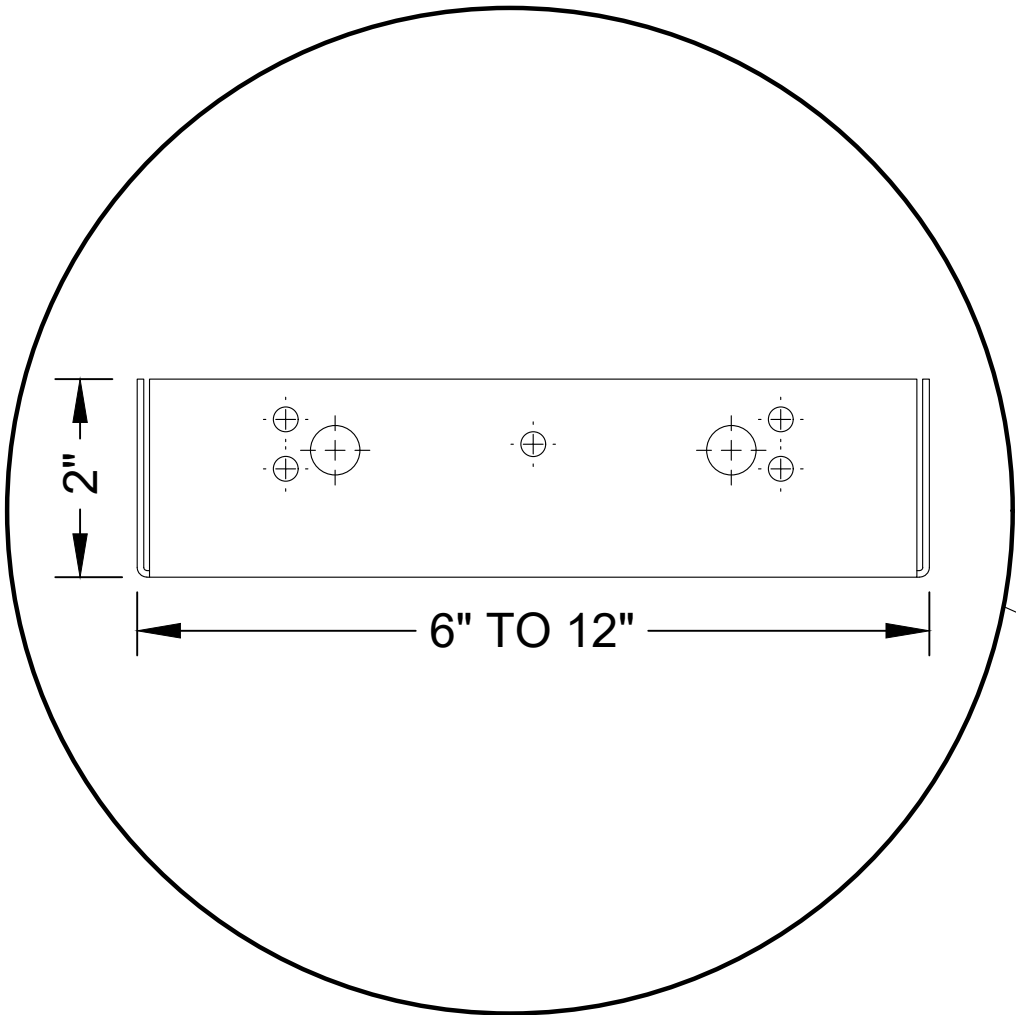
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DWG/REV: VHM0001, Rev. C

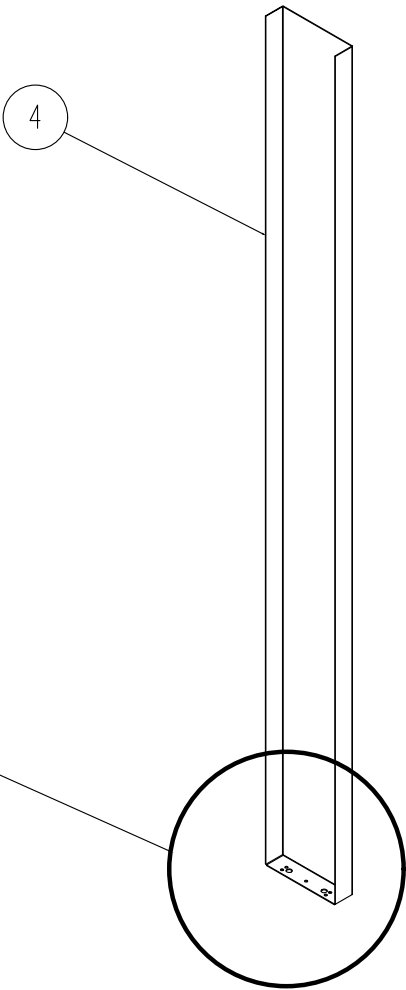
SHT: 5 of 9



FRAME JAMB (ITEM NO. 2)
TO SUBFRAME (ITEM 4)
FASTENING



SUBFRAME (ITEM 4) END FABRICATION

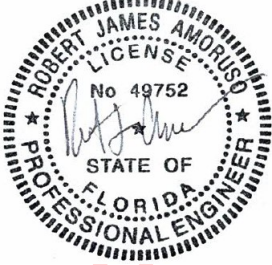


Vision Hollow Metal Limited
400 Zenway Blvd., Unit #1
Woodbridge, ON. L4H 0S7

LS1875 STEEL DOOR - OUTSWING - IMPACT RATED INSTALLATION ANCHORAGE DETAILS				
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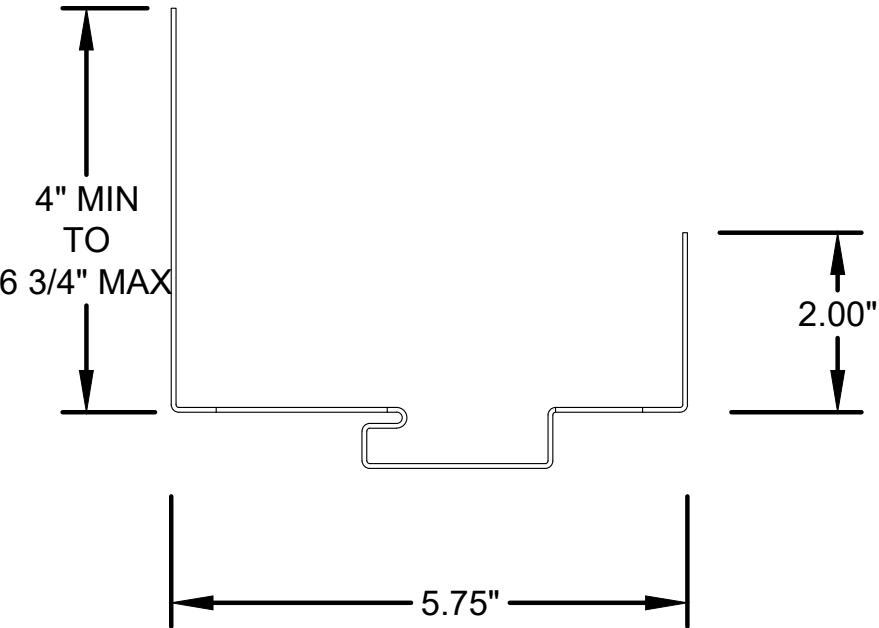
PROJECT#: ACE-2025-137

DWG/REV: VHM0001, Rev. C

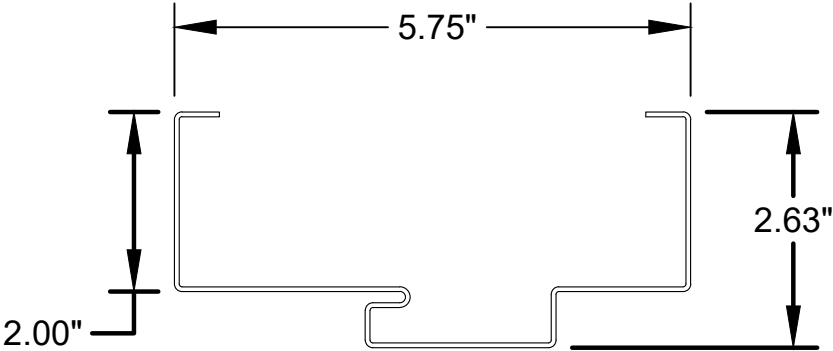
SHT: 6 of 9

COMPONENTS

Vision Hollow Metal Limited
400 Zenway Blvd., Unit #1
Woodbridge, ON. L4H 0S7

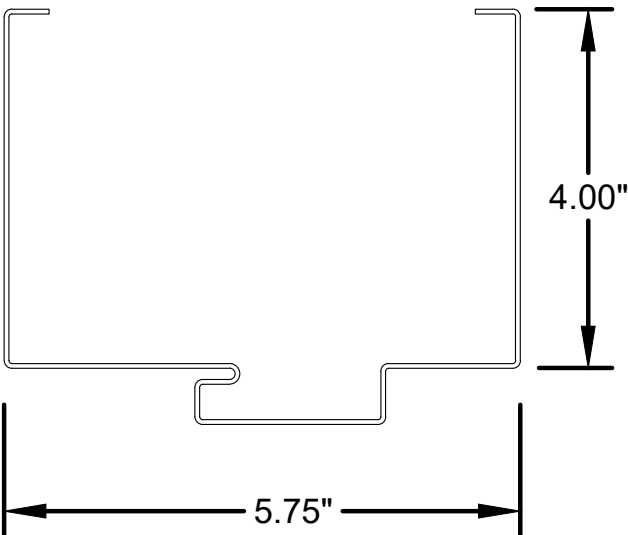


1 HOLLOW METAL FRAME HEAD
(STANDARD)

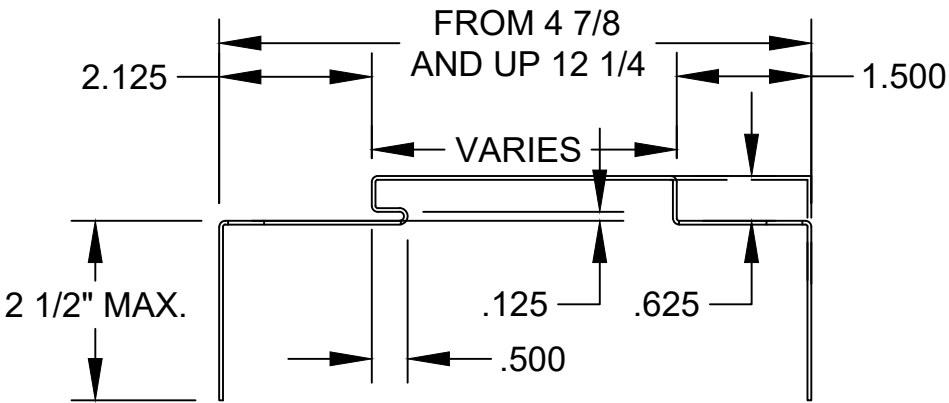


2 HOLLOW METAL FRAME JAMB
(STANDARD)

KERFED FRAME SHOWN. ALSO
APPLICABLE TO STANDARD FRAME.



20 HOLLOW METAL FRAME HEAD
(STANDARD)

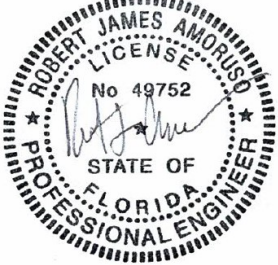


23 HOLLOW METAL FRAME HEAD
OR JAMB (OPTIONAL)
MAY BE USED IN LIEU OF ITEM
NO. 1 OR 2

LS1875 STEEL DOOR - OUTSWING - IMPACT RATED INSTALLATION ANCHORAGE DETAILS	REVISION DESCRIPTION		BY		DATE	
	NO.					
	C		RJA		12/8/25	
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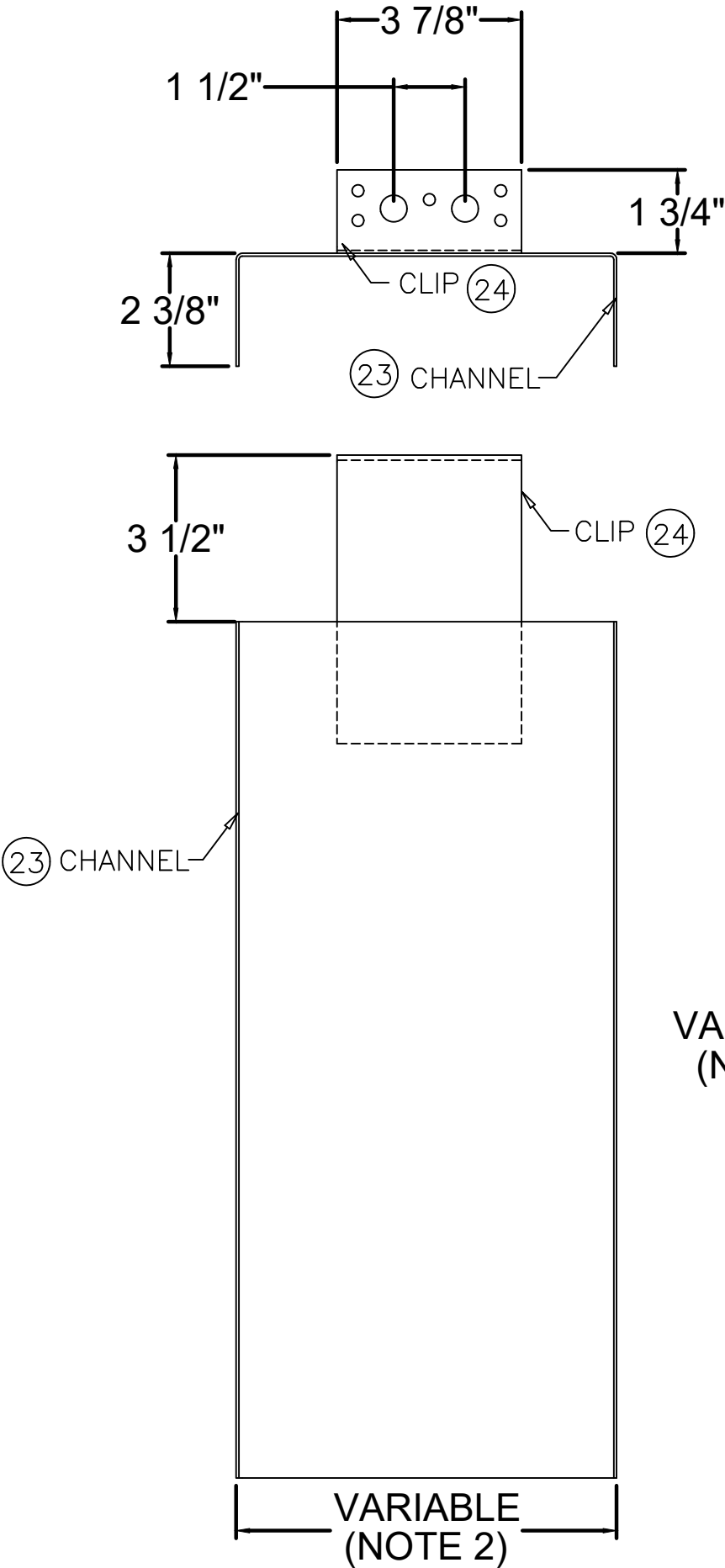
DATE: 3/16/21	DWN BY: RJA	CHK BY: RJA	SCALE: NONE
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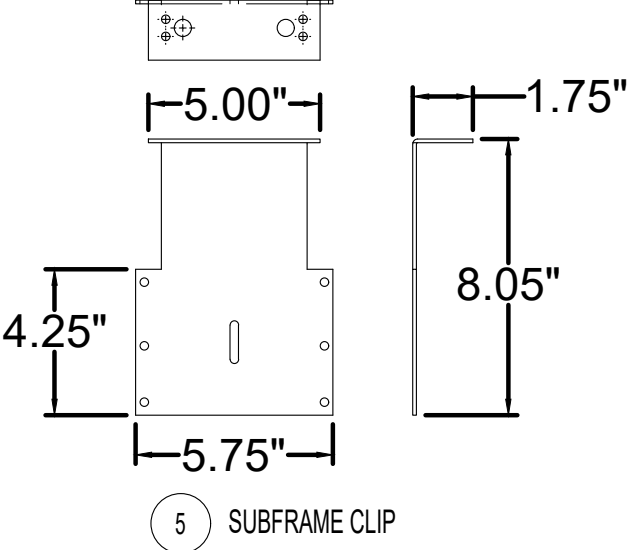
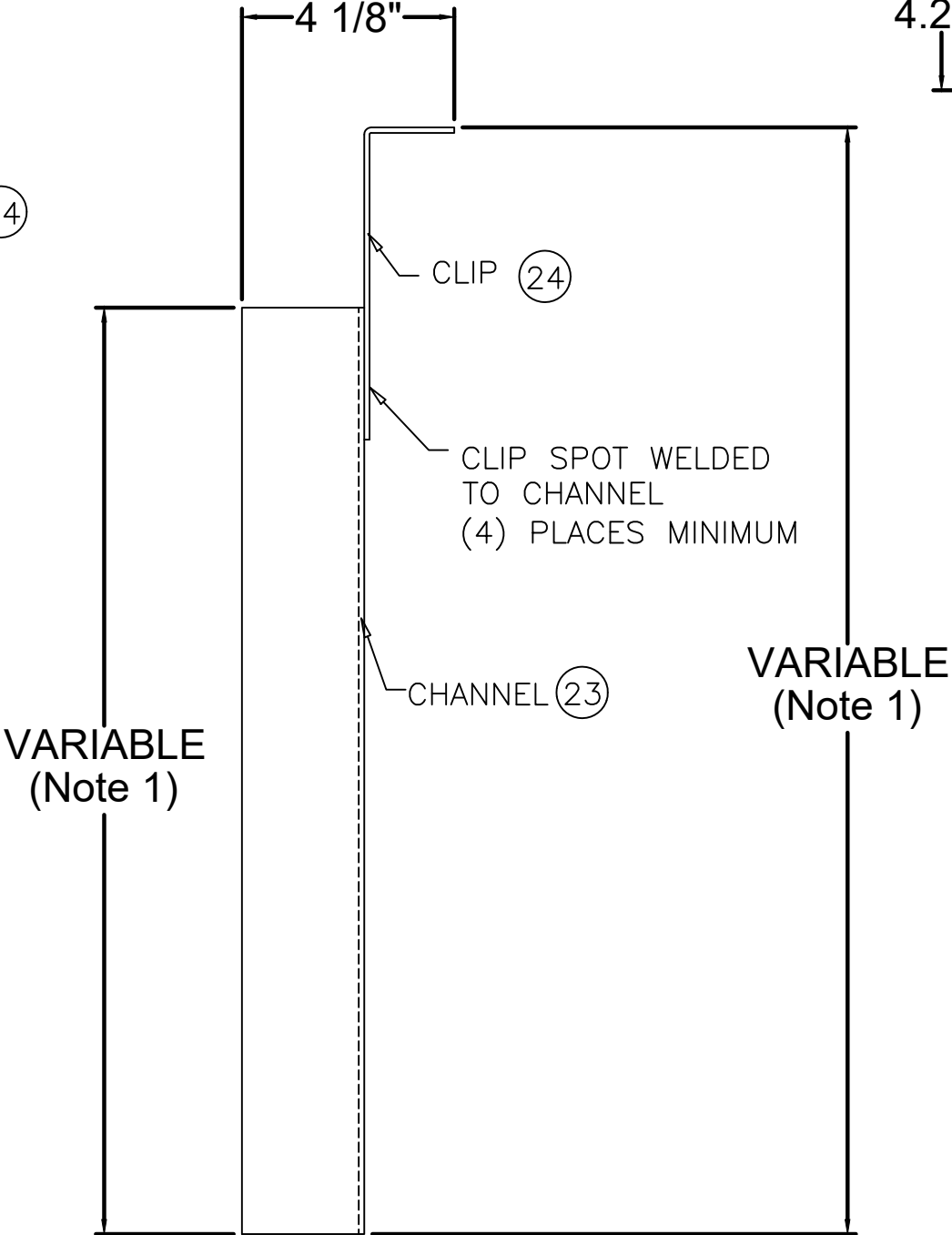


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Robert J Amoruso
Date: 2026.02.04
16:15:55 -05'00'

COMPONENTS



(22) JAMB EXTENSION ASSEMBLY



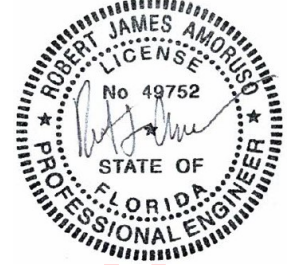
- NOTES:
- 1. CHANNEL HEIGHT CAN BE VARIED TO ACCOMMODATE INSTALLATION.
 - 2. CHANNEL WIDTH CAN BE VARIED TO ACCOMMODATE FRAME JAMB WIDTH.

Vision Hollow Metal Limited
400 Zenway Blvd., Unit #1
Woodbridge, ON. L4H 0S7

LS1875 STEEL DOOR - OUTSWING - IMPACT RATED INSTALLATION ANCHORAGE DETAILS	REVISION DESCRIPTION		DATE	
	NO.	BY	DATE	
	C	RJA	12/8/25	
	B	RJA	5/1/24	

DATE: 3/16/21	DWN BY: RJA	CHK BY: RJA	SCALE: NONE
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RJAENGPE@GMAIL.COM



Digitally signed by
Robert J Amoruso®
Date: 2026.02.04
16:16:22 -05'00'

ITEM NO.	DESCRIPTION	MATERIAL
1	HOLLOW METAL FRAME HEAD	-
2	HOLLOW METAL FRAME JAMB	-
3	HOLLOW METAL DOOR PANEL	-
4	16GA SUBFRAME	STEEL
5	SUBFRAME CLIP	STEEL
6	CYLINDRICAL LOCK (MORTISE LOCK AND PANIC BAR EXIT DEVICE ALSO APPROVED)	
7	HINGE 4.5" X 4.5"	STEEL
8	TOP GIRT	STEEL
9	KERF WEATHERSTIPPING	-
10	INTERMEDIATE GIRT	STEEL
11	HEX HEAD CAP SCREW 5/16"-18 THREAD, 3/4" MIN. LONG, FULLY THREADED (NOTE 1)	STEEL
12	HEX NUT 5/16"-18 THREAD SIZE	STEEL
13	FLAT WASHER 5/16" SCREW SIZE	STEEL
14	HEX WASHER HEAD SELF-DRILL SCREW 12-24 THREAD, 1-1/4" LENGTH	STEEL
15	5/16"-18 BOLT IMBED IN CONCRETE SLAB	STEEL
16	HEX HEAD 5/16" TAPCON - 1 3/4" MIN EMBEDMENT	STEEL
17	#8-32 X 1/2" PPH SMS	STEEL
18	ASTRAGAL	STEEL
19	SURFACE BOLTS	STEEL
20	HOLLOW METAL FRAME HEAD (5-3/4" MAS and 4" FACE)	-
21	#12-24 X 1 1/4" HEX HEAD TEK	STEEL
22	JAMB EXTENSION ASSEMBLY	STEEL
23	CHANNEL - 16GA GALVANNEALED STEEL .053" MIN. THICK (JAMB EXTENSION)	STEEL
24	CLIP - 12GA GALVANNEALED STEEL .108" MIN. THICK (JAMB EXTENSION)	STEEL

NOTES:
1. HEX HEAD CAP SCREW MUST BE 3-THREADS BEYOND NUT MIN. ENGAGEMENT.

Vision Hollow Metal Limited
400 Zenway Blvd., Unit #1
Woodbridge, ON. L4H 0S7

LS1875 STEEL DOOR - OUTSWING - IMPACT RATED INSTALLATION ANCHORAGE DETAILS	DATE		12/8/25	5/1/24	9/25/23
	BY		RJA	RJA	RJA
	REVISION DESCRIPTION		UPDATE INSTALLATION CONFIGURATION	UPDATE INSTALLATION CONFIGURATION	UPDATE TO 8TH ED (2023) FBC
	NO.		C	B	A

DATE: 3/16/21	DWN BY: RJA	CHK BY: RJA	SCALE: NONE
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by Robert J
Amoruso
Date: 2026.02.04
16:16:32 -05'00'

PROJECT#: ACE-2025-137

DWG/REV: VHM0001, Rev. C

SHT: 9 of 9