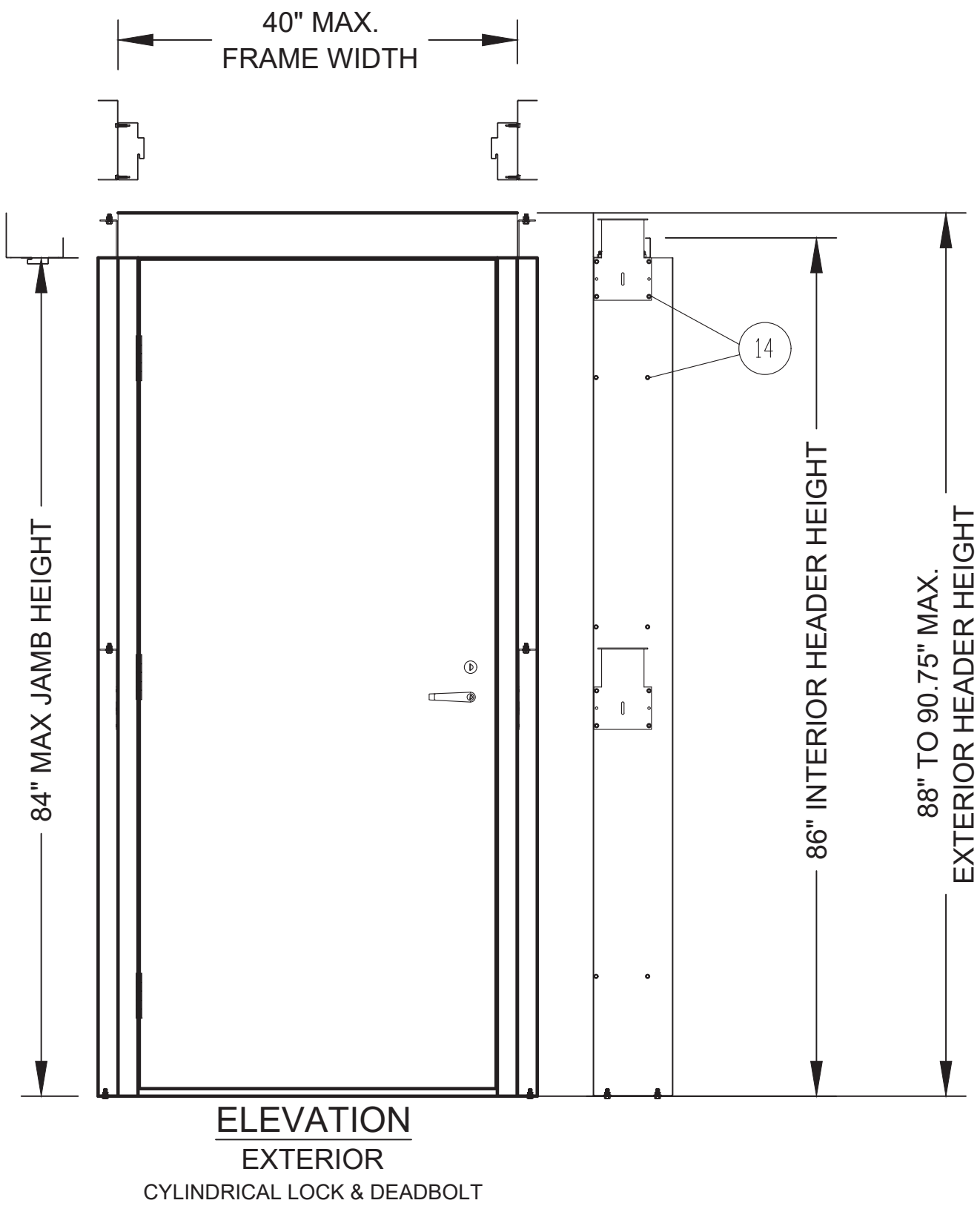


VISION HOLLOW METAL LIMITED

LS2075 STEEL DOOR

INSWING/OUTSWING - IMPACT RATED

INSTALLATION ANCHORAGE DETAILS



GENERAL NOTES:

1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. 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.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. This product has not been tested for water penetration per TAS 202. It shall only be used in areas where water penetration requirements do not exist or where an overhang meeting the requirements of Section 1709.5.1, Section 1709.5.2, or Section 2411.3.2.1 (HVHZ only) of the 9th Edition (2026) Florida Building Code. Note that side-hinged doors are only required to meet the overhang requirements of Section 1709.5.2 of the 9th Edition (2026) Florida Building Code.
7. When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6.
8. All installation fasteners and associated connectors (if applicable) to be corrosion resistant, and/or have a corrosion resistant coating. When exposed to saltwater environments within 3,000 feet of a saltwater coastline, installation fasteners must meet the requirements of Section 1711, 9th Edition (2026) FBC and Section R332, 9th Edition (2026) FRC when applicable.

PERFORMANCE RATING		
DOOR SWING	DESIGN PRESSURE (PSF)	IMPACT RATING
INSWING	+50 / -60	LARGE MISSILE IMPACT
OUTSWING	+55 / -55	

TABLE OF CONTENTS	
SHEET	DESCRIPTION
1	NOTES & ELEVATION
2 & 3	VERTICAL CROSS SECTION
4	HORIZONTAL CROSS SECTION
5	INSTALLATION AND FABRICATION DETAILS
6 & 7	COMPONENTS
8	BILL OF MATERIALS (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.

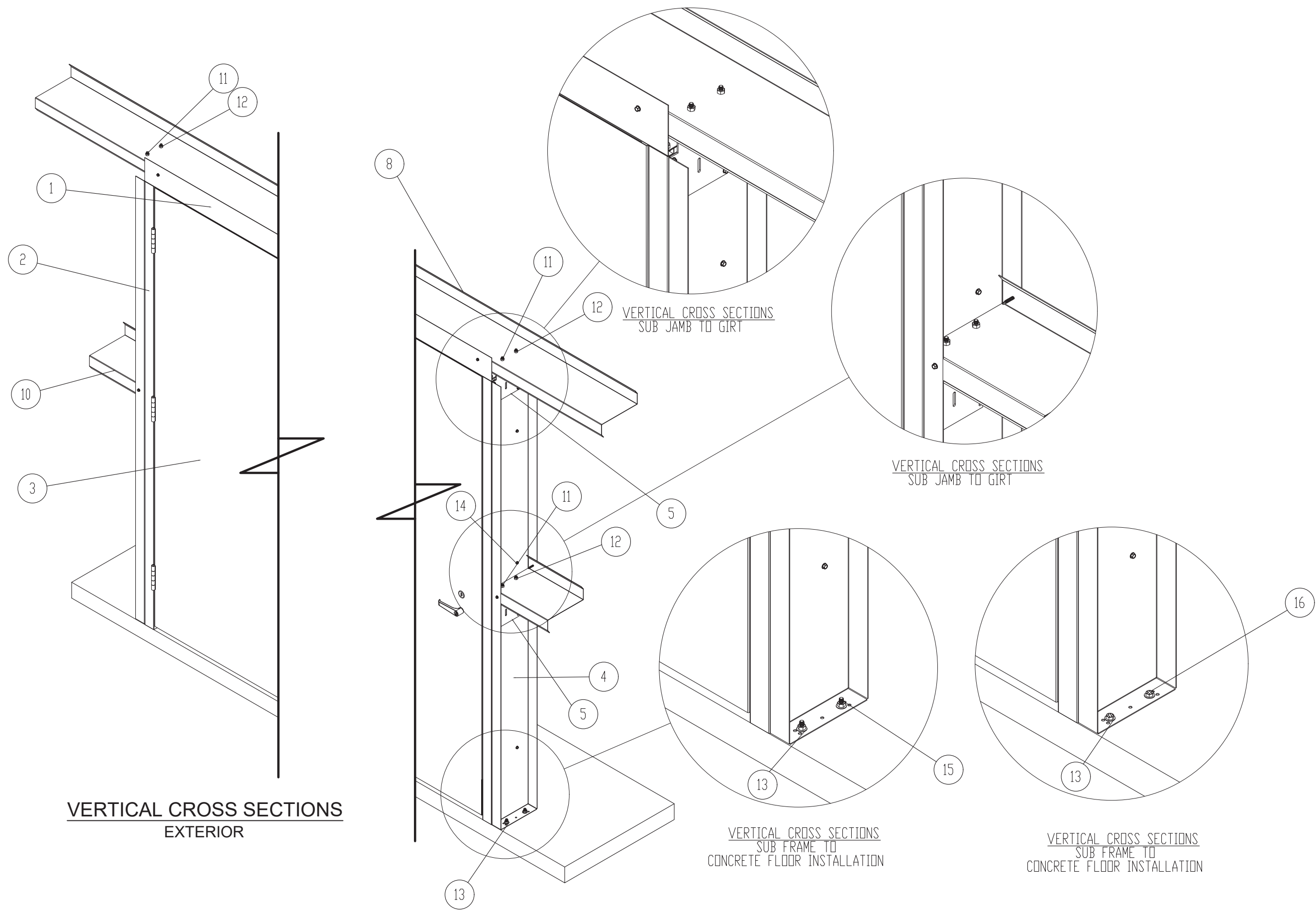
Vision Hollow Metal Limited
400 Zenway Blvd., Unit #1
Woodbridge, ON. L4H 0S7

LS2075 STEEL DOOR - INSWING AND OUTSWING - IMPACT RATED INSTALLATION ANCHORAGE DETAILS				
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	C	UPDATE INSTALLATION CONFIGURATION	RJA	2/3/26
	B	UPDATE TITLE BLOCKS	RJA	5/2/24
	A	UPDATE TO 8TH ED. (2023) FBC	RJA	9/25/23
DWN BY: RJA				
CHK BY: RJA				
SCALE: NONE				

ROBERT J. AMORUSO, P.E. #49752
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Robert J Amoruso®
Date: 2026.10.05
16:58:56 -04'00'



VERTICAL CROSS SECTIONS
EXTERIOR

VERTICAL CROSS SECTIONS
SUB JAMB TO GIRT

VERTICAL CROSS SECTIONS
SUB JAMB TO GIRT

VERTICAL CROSS SECTIONS
SUB FRAME TO
CONCRETE FLOOR INSTALLATION

VERTICAL CROSS SECTIONS
SUB FRAME TO
CONCRETE FLOOR INSTALLATION

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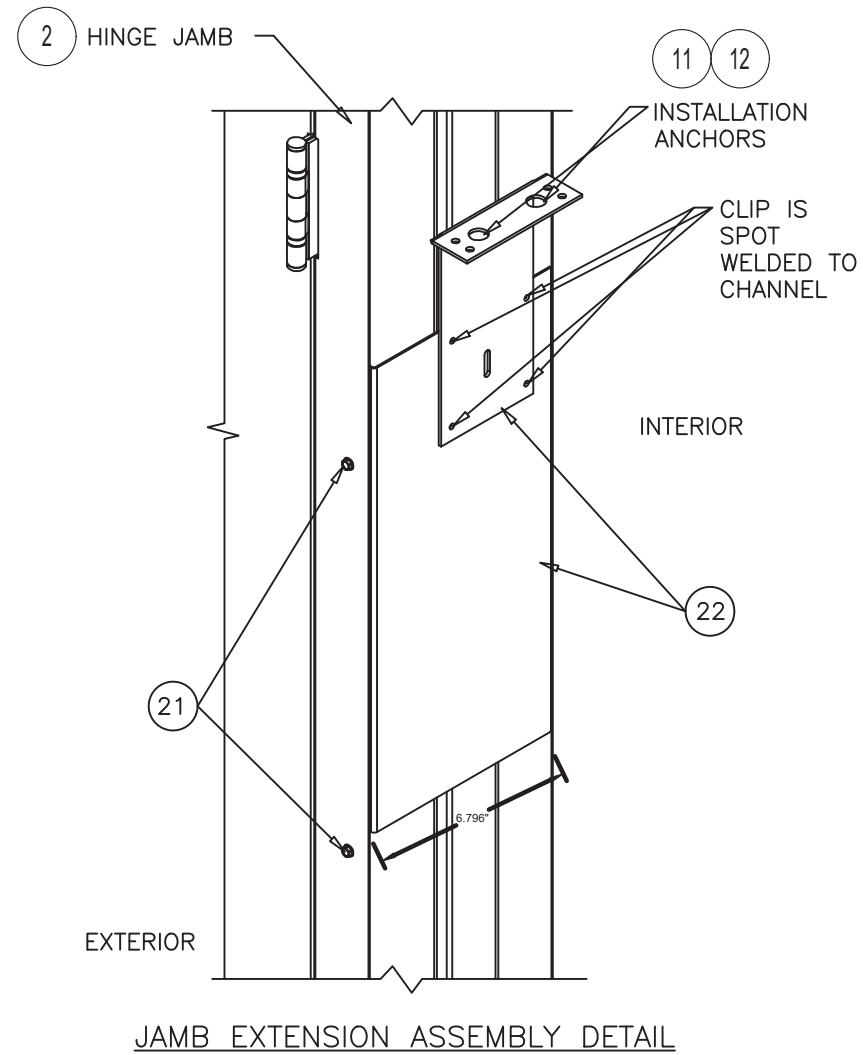
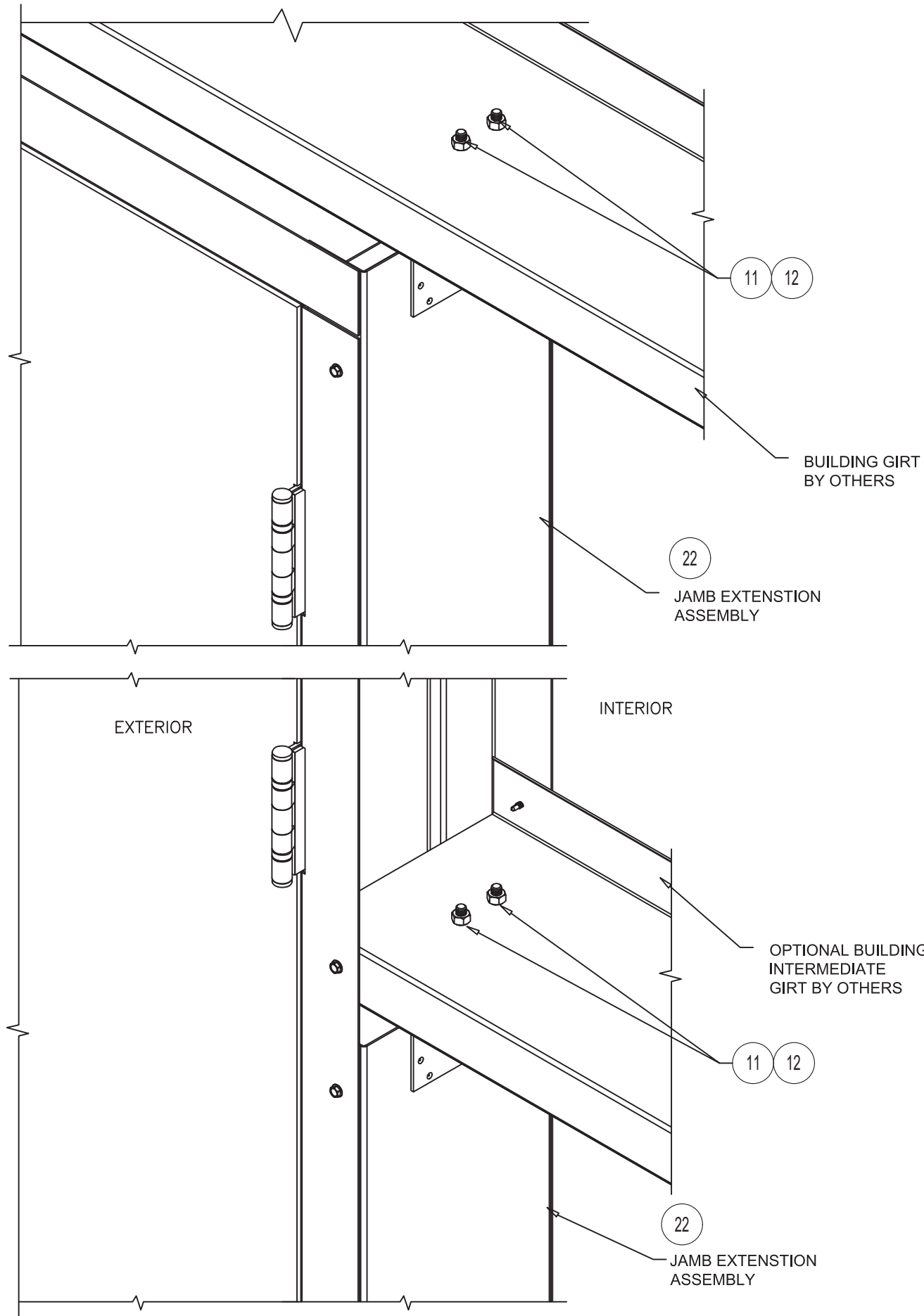
ROBERT J. AMORUSO, P.E. #49752
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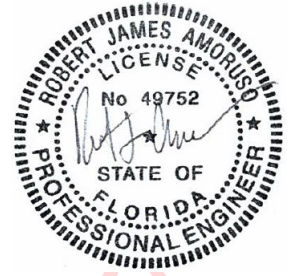
**VERTICAL CROSS SECTIONS
WITH ITEM NO. 22 JAMB
EXTENSION ASSEMBLY**
EXTERIOR
HINGE JAMB SHOWN
ALSO APPLICABLE TO LOCK JAMB

Vision Hollow Metal Limited
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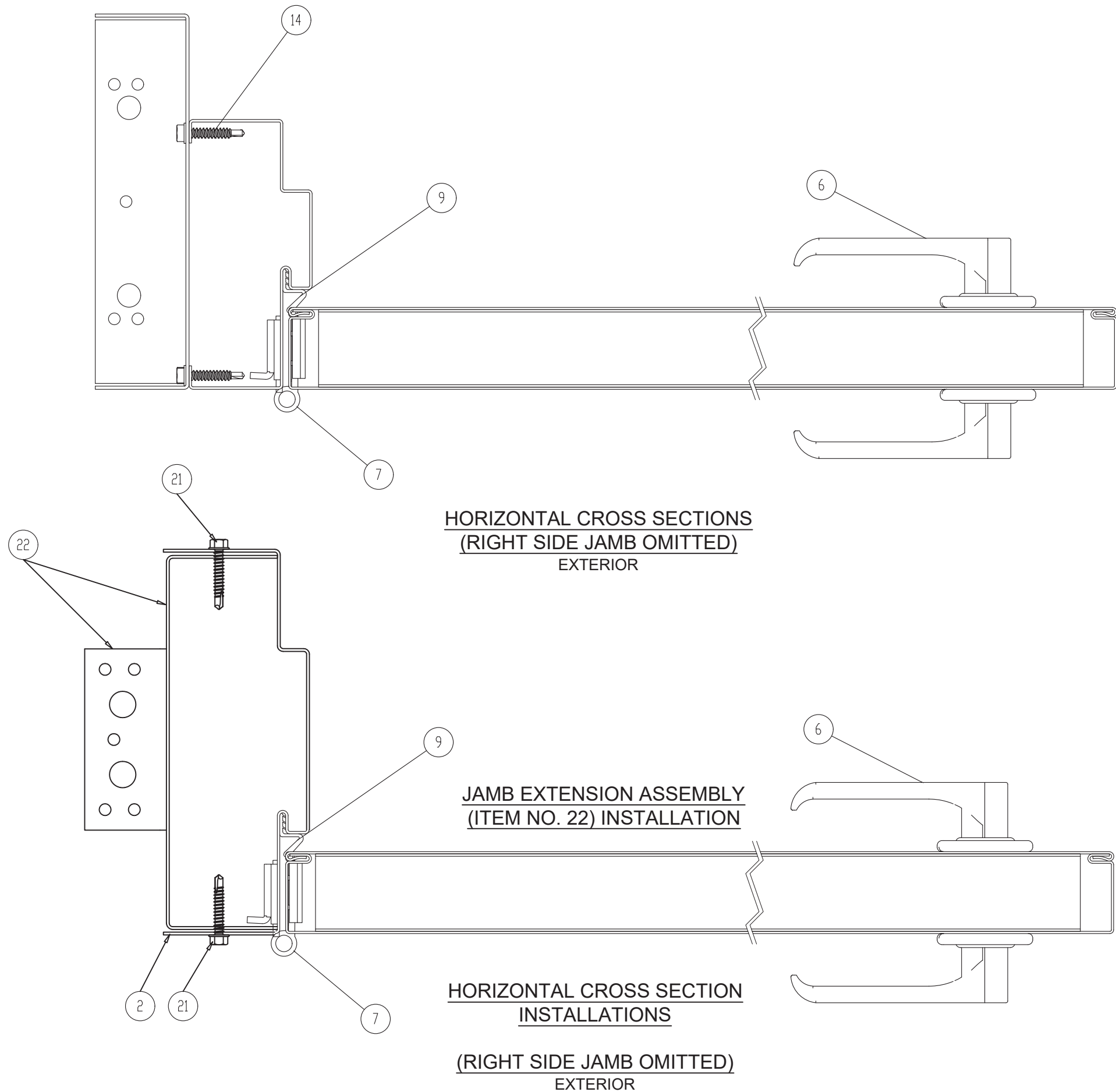
DATE: 3/16/21	DWN BY: RJA	CHK BY: RJA	SCALE: NONE
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SHT: 3 of 8



Vision Hollow Metal Limited
400 Zenway Blvd., Unit #1
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LS2075 STEEL DOOR - INSWING AND OUTSWING - IMPACT RATED INSTALLATION ANCHORAGE DETAILS				
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PROJECT#:	ACE-2026-119
DWG/REV:	VHM0003, Rev. D
SHT:	4 of 8

LS2075 STEEL DOOR - INSWING AND OUTSWING - IMPACT RATED INSTALLATION ANCHORAGE DETAILS				
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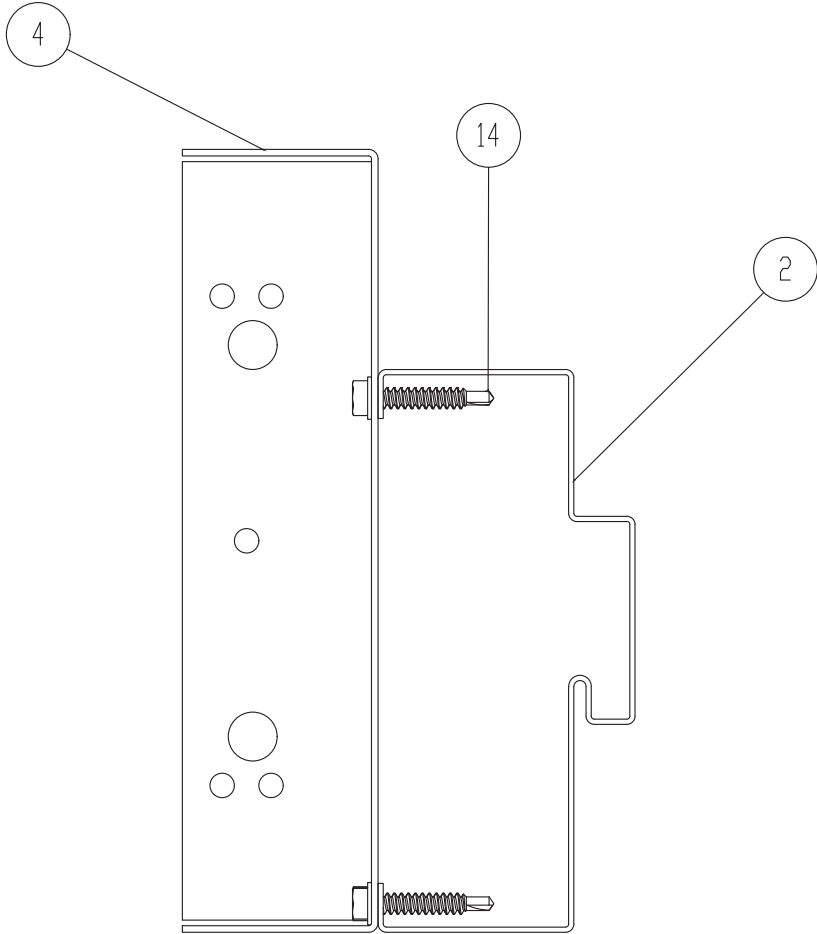


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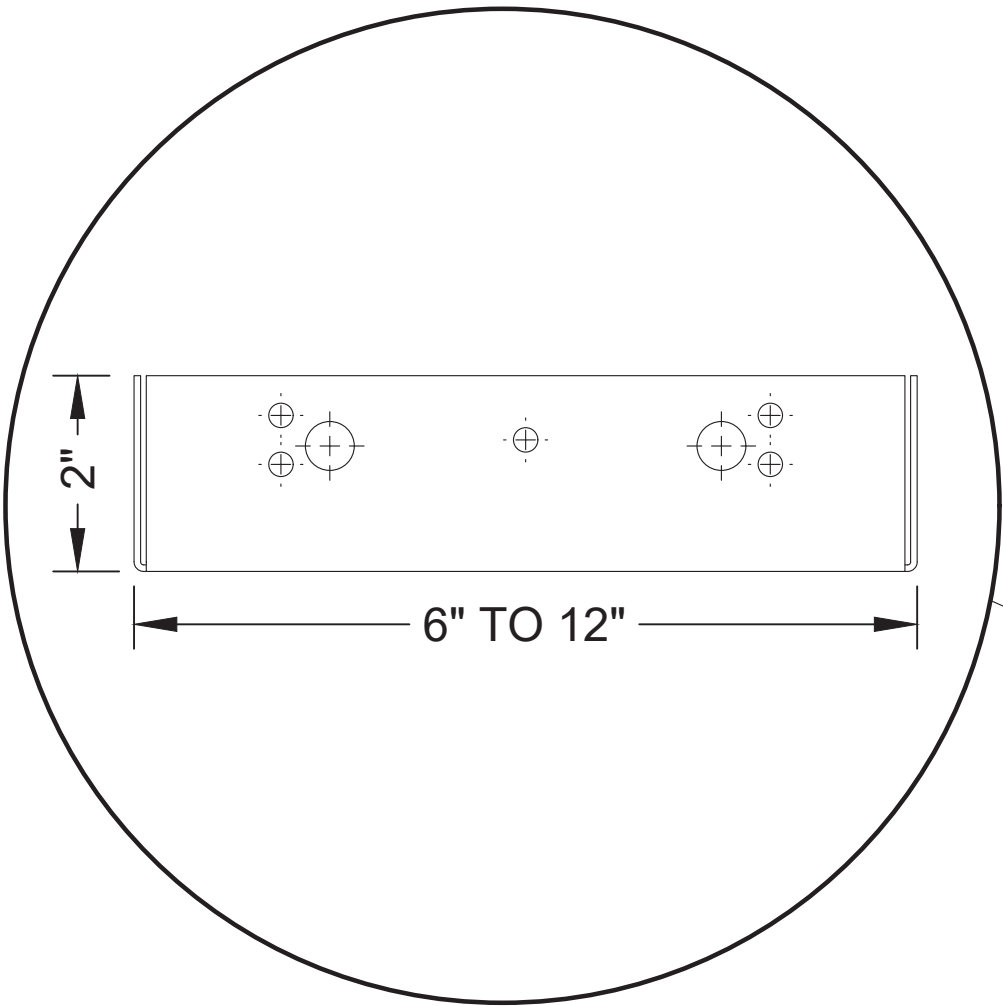
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DWG/REV: VHM0003, Rev. D

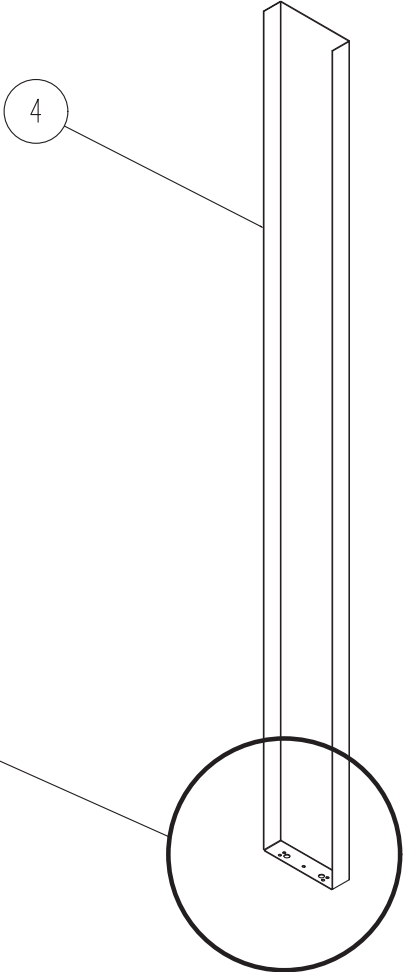
SHT: 5 of 8

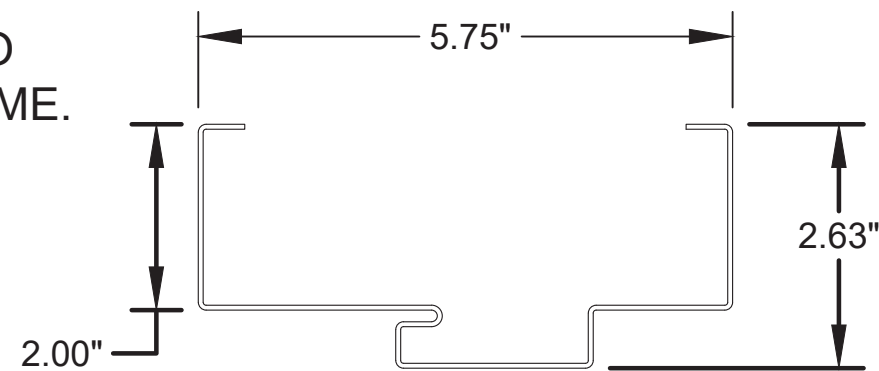


FRAME JAMB (ITEM NO. 2)
TO SUBFRAME (ITEM 4)
FASTENING

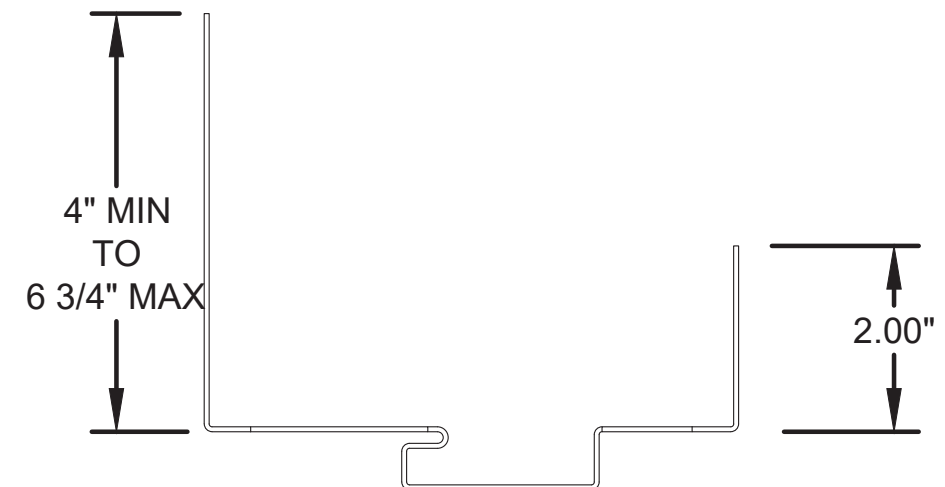


SUBFRAME (ITEM 4) END FABRICATION

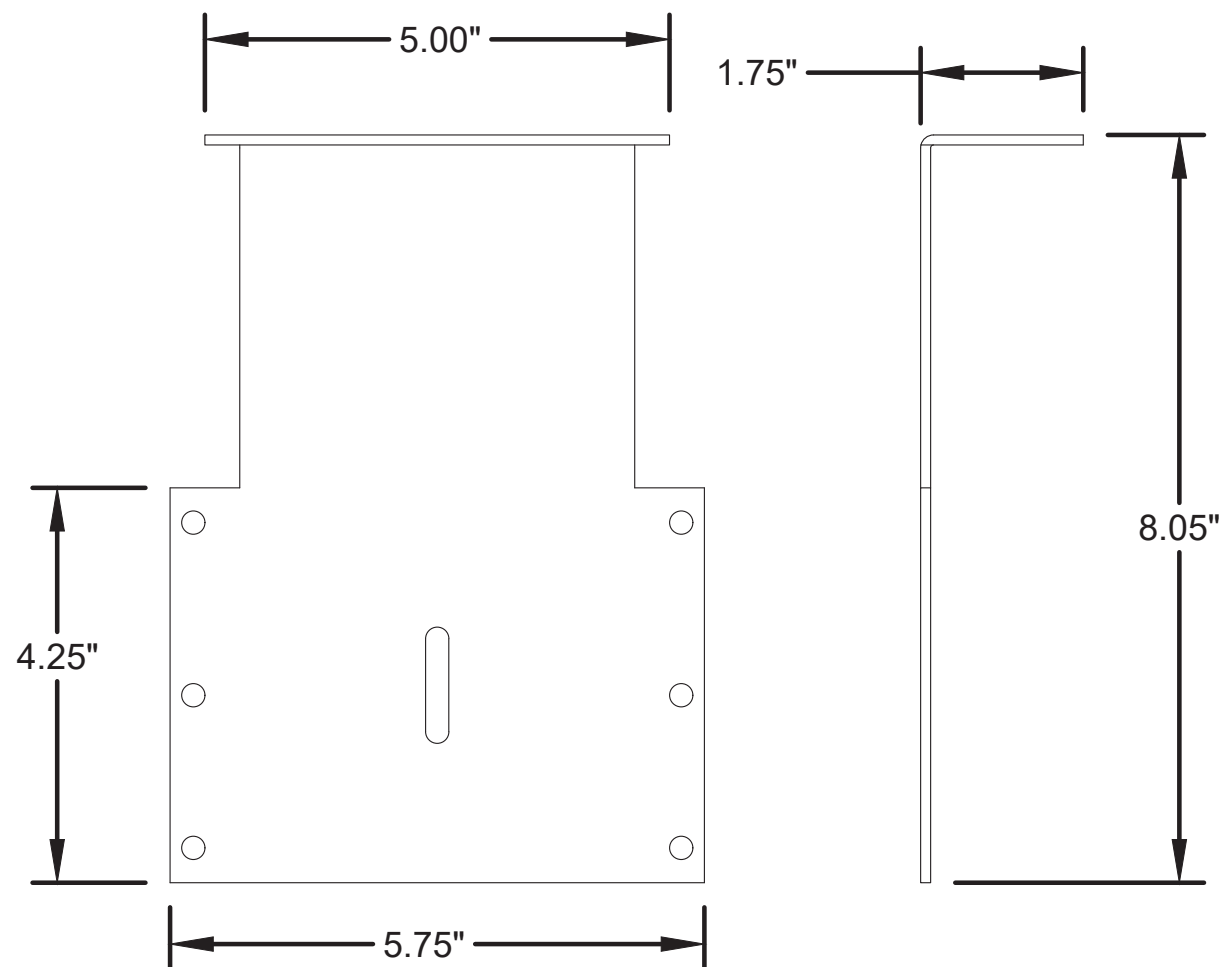




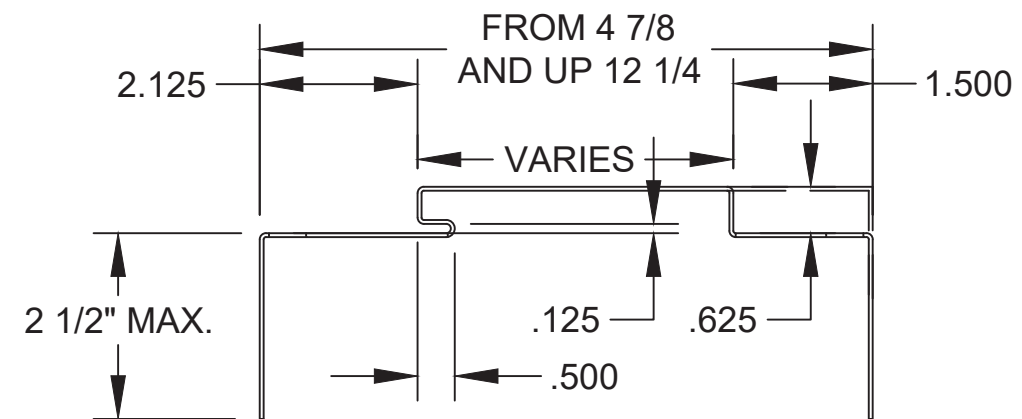
2) HOLLOW METAL FRAME JAMB



1) HOLLOW METAL FRAME HEAD



5) SUBFRAME CLIP



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

LS2075 STEEL DOOR - INSWING AND OUTSWING - IMPACT RATED INSTALLATION ANCHORAGE DETAILS

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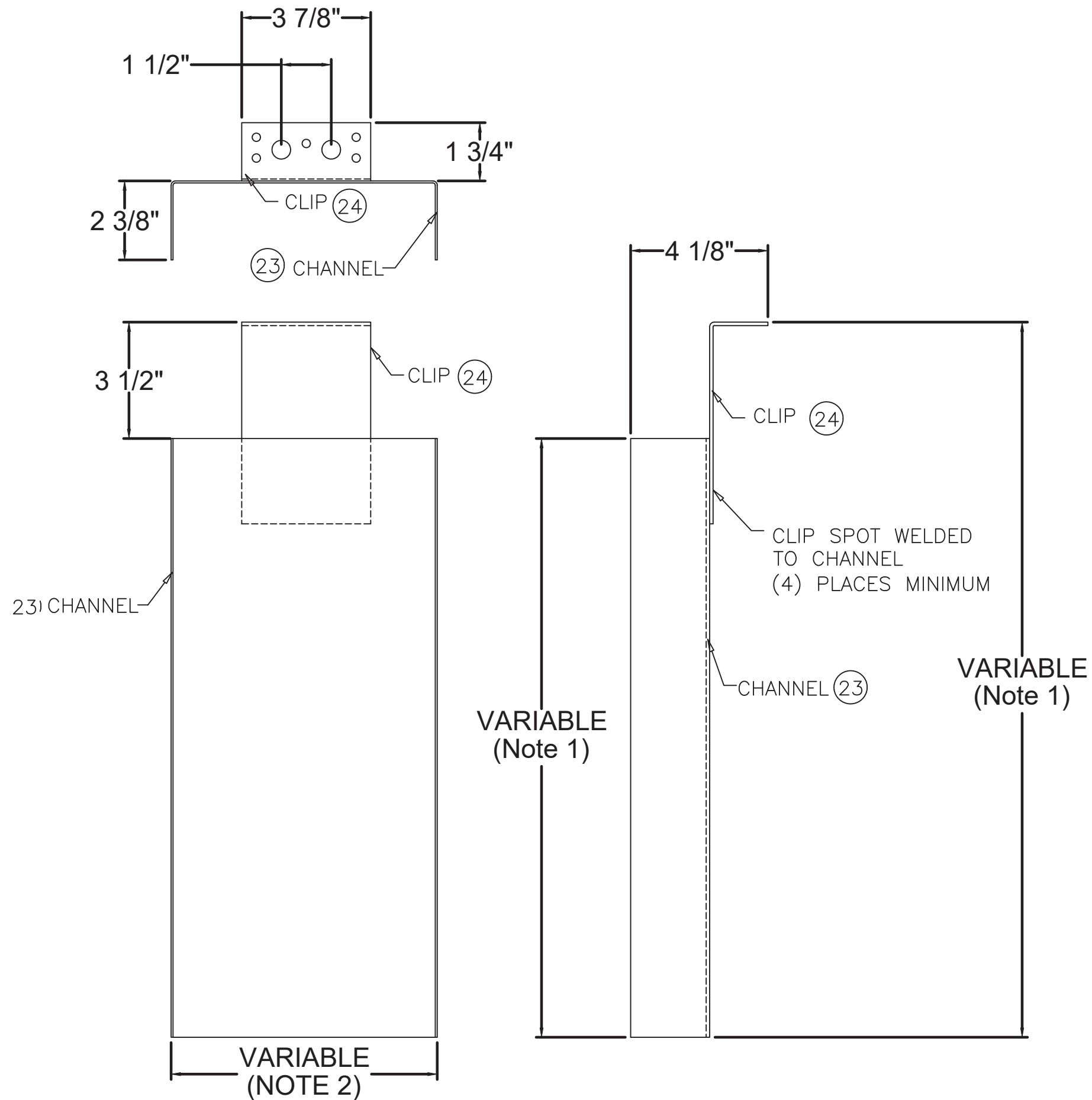


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Amoruso
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PROJECT#: ACE-2026-119

DWG/REV: VHM0003, Rev. D

SHT: 6 of 8



(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.

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SHT: 7 of 8

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 (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" LONG, FULLY THREADED (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
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.

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17:00:22 -04'00'

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SHT: 8 of 8