

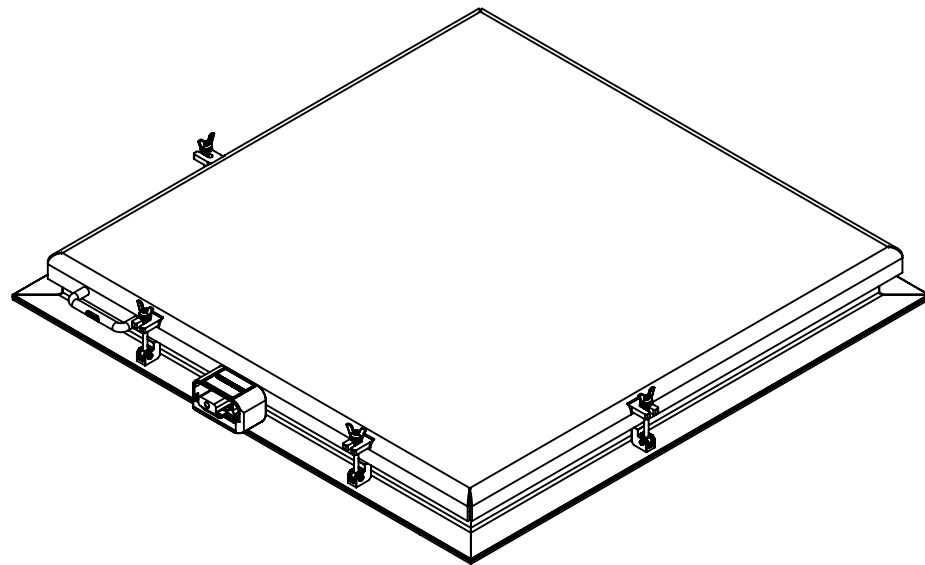
VERSA STEEL Approval Drawings

WATER RESERVOIR SECURITY HATCH, ST, NO SKIRT, SERIES 42 X 42

Assembly No.:VSH-200-A-42-42-STN-GS

ASSEMBLY NO./PART NUMBER KEY:

VSH= VERSA STEEL INC. HATCH
 200 = 200 P.S.F. RATED
 A= ALUMINUM CONSTRUCTION
 42-42= SIZE INTERIOR OPENING
 STN = SINGLE TEE FRAME SERIES, NO SKIRT
 gS= GAS SPRING



GENERAL SPECIFICATIONS:

1. UNIT IS WEATHER PROOF WITH CONTINOUS BULB SEAL ON LID TO FRAME AND 1/4" X 5-1/4" WIDE FRAME TO CURB SEALS.
2. LID OVER LAPS FRAME A MINIMUM OF 2 INCHES.
3. FRAME IS A MINIMUM OF 4" ABOVE THE CURB.
4. LID IS HINGED ON SIDE WITH TAMPER PROOF SCREWS AND PROVISION FOR A PADLOCK WITH TAMPER PROOF COVER. THERE ARE A MINIMUM OF FOUR SWING BOLT HOLD DOWNS TO SECURE THE HATCH FOR WEATHER PROOF SEAL.
5. HATCH IS DESIGNED FOR 200 P.S.F. LOAD.
6. THERE ARE 8 INTERIOR ATTACHMENT POINTS FOR SECURITY USING 1/2" FASTENER. THERE IS A FULL FACE GASKET OF 5-1/4" WIDE CLOSED CELL FOAM EPDM BETWEEN FRAME AND CURB.
7. LID IS A 1/4" 5086 ALUMINUM PLATE.
8. ALL FASTENERS AND HARDWARE ARE 316 STAINLESS STEEL.

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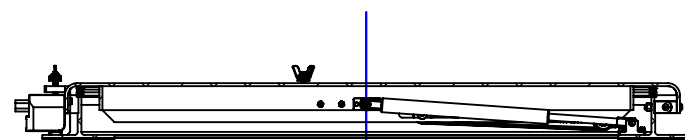
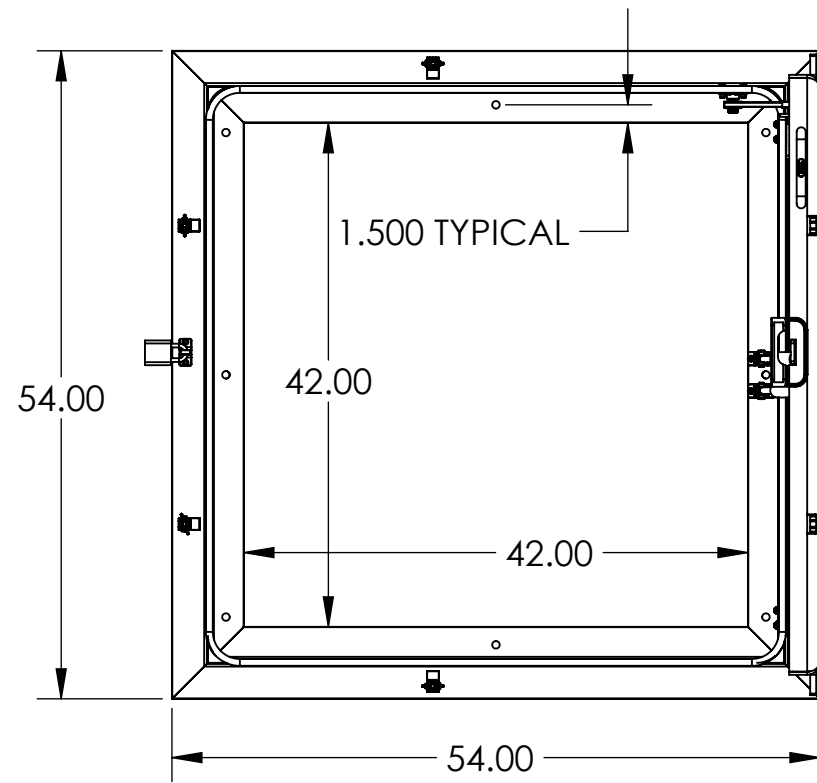
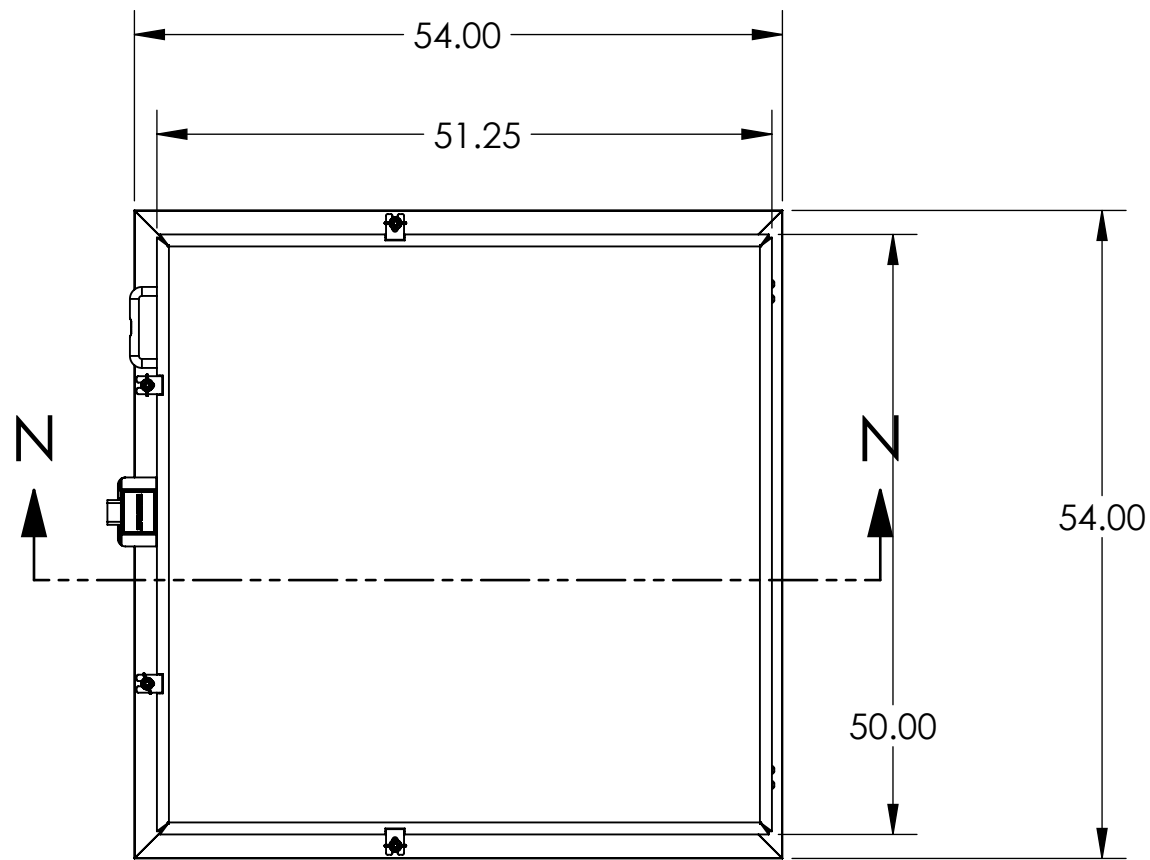
MATERIAL		6061-T6 ALUMINUM	
FINISH		BARE	
SHEET TITLE		PART NUMBER: VSH-200-A-42-42-STN-GS	
PART NUMBER		VSH-200-A-42-42-STN-GS	
SUPPLIER		FABRICATED PART	
SCALE		1:16	
DRAWING NO.		VSH-200-A-42-42-STN-GS-AP	
REVISION NO.		B	
SHEET NO.		1 OF 4	
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VERSA STEEL, INC.
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 (503)287-9822
 FAX (503)-287-7483

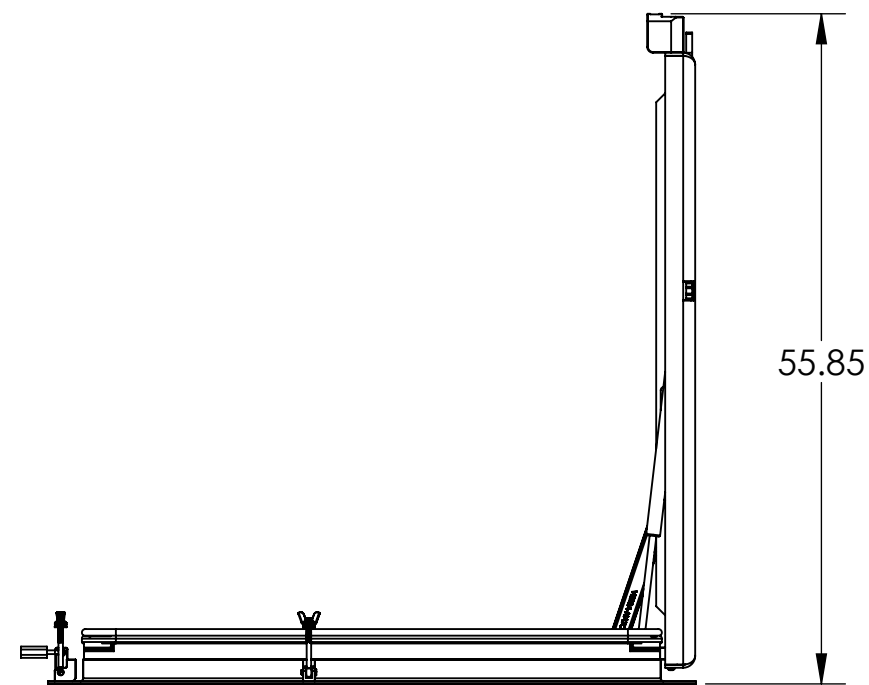
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WATER RESERVOIR SECURITY HATCH, ST, NO SKIRT, SERIES 42 X 42



SECTION N-N



NOTES:
 PN: VSH-200-A-42-42-STN-GS
 DESC: WATER RESERVOIR SECURITY HATCH, ST, NO SKIRT, SERIES 42 X 42
 MATRL: 6061-T6 ALUMINUM
 EST. WT: 159.6
 FINISH: BARE
 NOTE: -
 CAD FILE: VSH-200-A-42-42-STN-GS-APPROVAL

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PART NUMBER		VSH-200-A-42-42-STN-GS	
SUPPLIER		FABRICATED PART	
SCALE		1:16	
DRAWING NO.		VSH-200-A-42-42-STN-GS-AP	
REVISION NO.		B	
SHEET NO.		2 OF 4	
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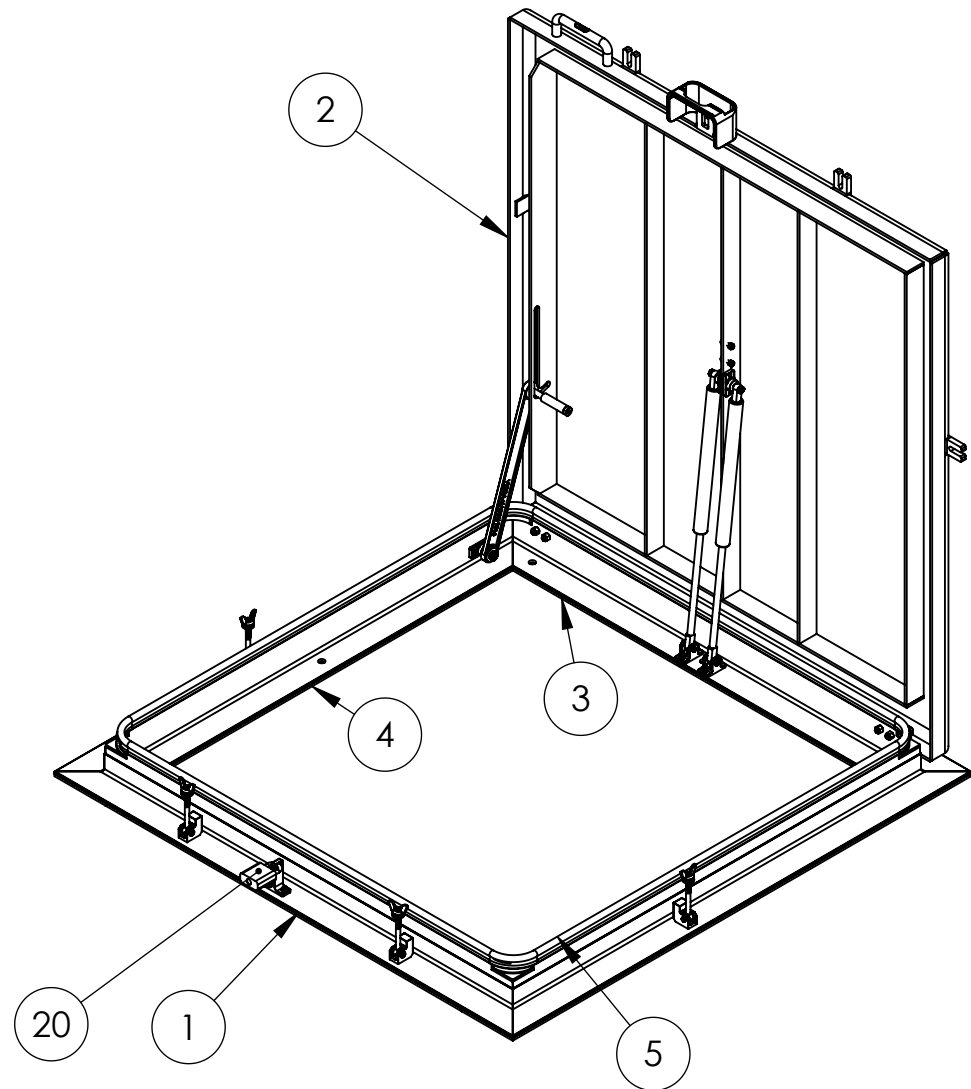
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SEE SHEET 4 FOR DETAIL CALLOUTS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	700660-42X42-STN	T-FRAME, SKIRT 42 X 42	1
2	7000649-42X42	LID WELDMENT, T-FRAME 42 X 42	1
3	1001725-42	SEAL, BASE WIDTH 48	2
4	1001726-42	SEAL, BASE SIDE 48	2
5	1000559-42X42	HATCH SEAL, 42 X 42	1
6	1165-10-300-FO-C2C2	STAINLESS STEEL GAS SPRINGS, 10" STROKE, 300 LBS	2
7	1000756	Clevis Pin 3/8x1-1/4	2
8	VS-37	.375 Dia External, single turn, retaining ring-T316	6
9	1000656	Shoulder Bolt 1/2x5/8	1
10	1000657	Shoulder Bolt 3/8x 1/2	2
11	1000793-06	SRING LOCK WASHER, 3/8", 316	4
12	1000792-06	WASHER, 3/8" 316, WIDE	4
13	1000059	ROD END 3/8" ID X 3/4" OD X 4 1/2" LG W/ 3/8-16 THRD X 2" LG	4
14	1000061	WING NUT, 3/8-16 UNC	4
15	1000664	Clevis Pin 3/8x1	4
16	GFI-0809-08	FLANGED BEARING	1
17	9446K71	LOCK BAR COVERING, GP PVC TUBING, RED	1
18	1000524-24	3/4" HOLD OPEN ARM, 24, 316 SST	1
19	1000844-08	WASHER, 1/2" ID X .06", NYLON	1
20	PADLOCK	PADLOCK, BY OTHERS, REFERENCE	1
21	1000740	DATA PLATE	1
22	1001739-16	Pin-Allen Button Head, -3/8-16 X 1, 316	4
23	1000796-06	HEX NUT, NYLON LOCKING, 3/8-16, 316	4
24	1000060	SH SHOULDER SCREW, 3/8"-16 X 1/2" X 4.0 LG 316	1

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 NOTE: -
 CAD FILE: VSH-200-A-42-42-STN-GS-APPROVAL

TOLERANCES:

DIMENSIONS ARE IN INCHES
 TOLERANCES:
 X.XX ± 0.020"
 X.XXX ± 0.005"
 UNLESS NOTED

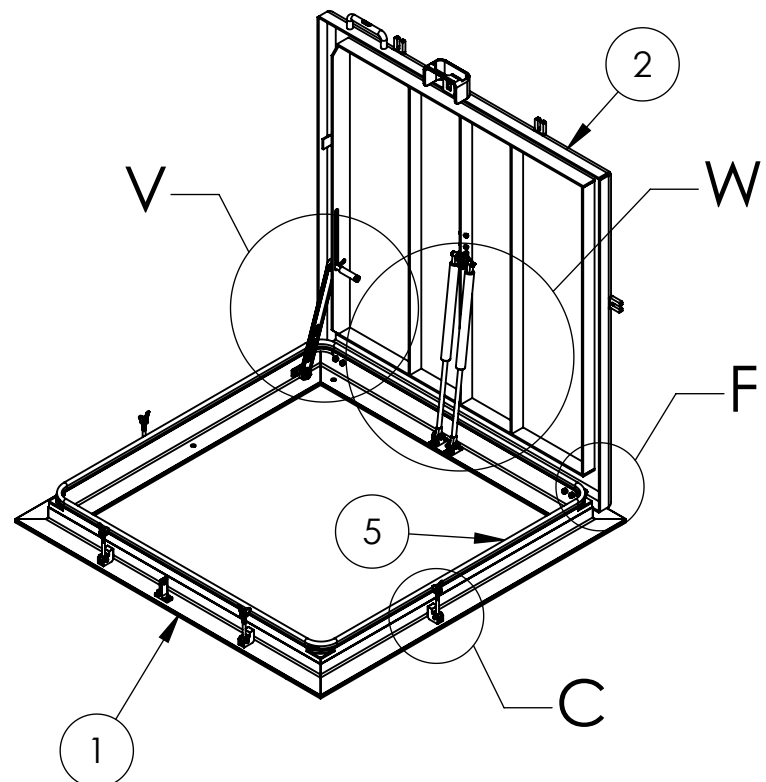
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SHEET TITLE	WATER RESERVOIR SECURITY HATCH, ST, NO SKIRT, SERIES 42 X 42
PART NUMBER	VSH-200-A-42-42-STN-GS
SUPPLIER	FABRICATED PART
SCALE	1:16
DRAWING NO.	VSH-200-A-42-42-STN-GS-AP
REVISION NO.	B
SHEET NO.	3 OF 4

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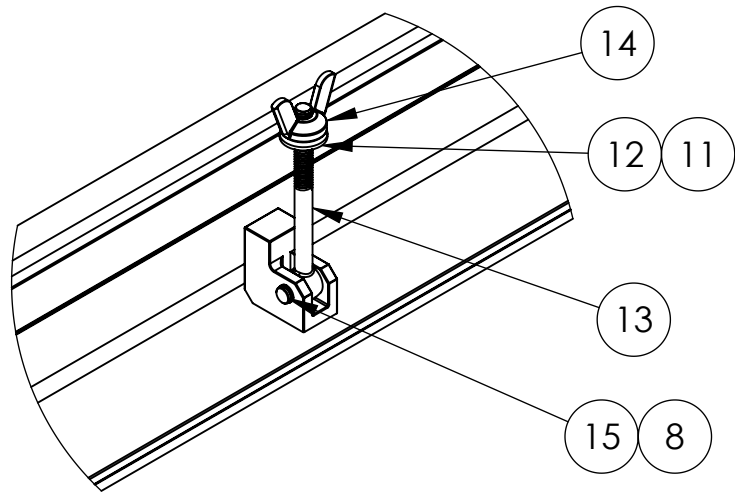
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DETAIL C
SCALE 1 : 4

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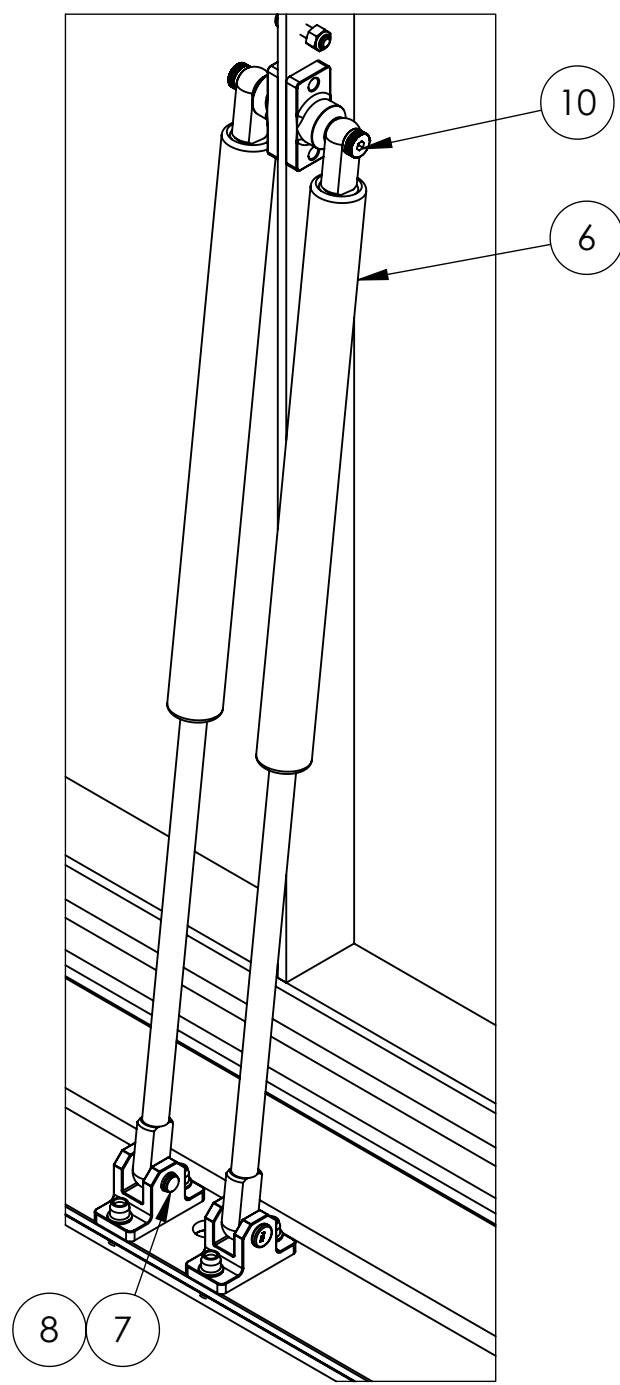
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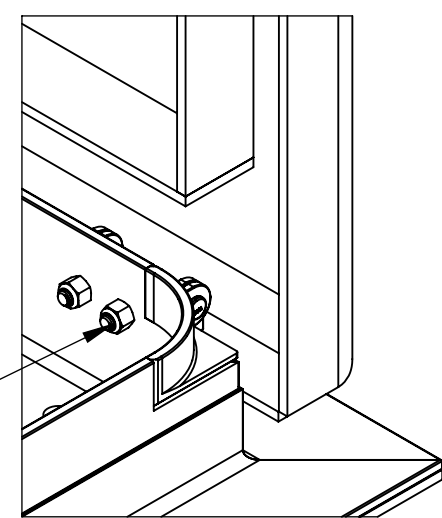
DETAIL W
SCALE 1 : 4

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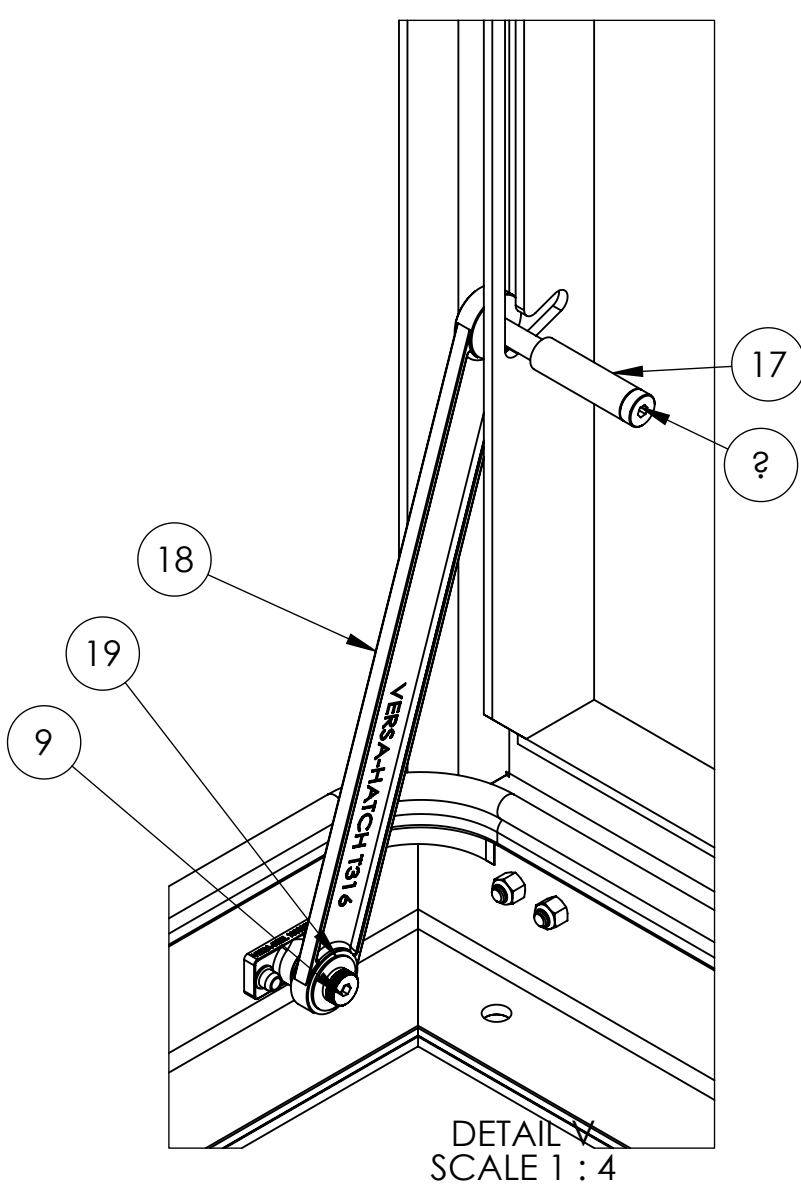
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DETAIL F
SCALE 1 : 4

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DETAIL V
SCALE 1 : 4

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TOLERANCES:
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TOLERANCES:
X.XX ± 0.020"
X.XXX ± 0.005"
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FINISH		BARE
SHEET TITLE		WATER RESERVOIR SECURITY HATCH, ST, NO SKIRT, SERIES #2XX4 (503)-287-7483
PART NUMBER		VSH-200-A-42-42-STN-GS
SUPPLIER		FABRICATED PART
SCALE		1:24
DRAWING NO.		VSH-200-A-42-42-STN-GS-AP
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SHEET NO.		4 OF 4
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