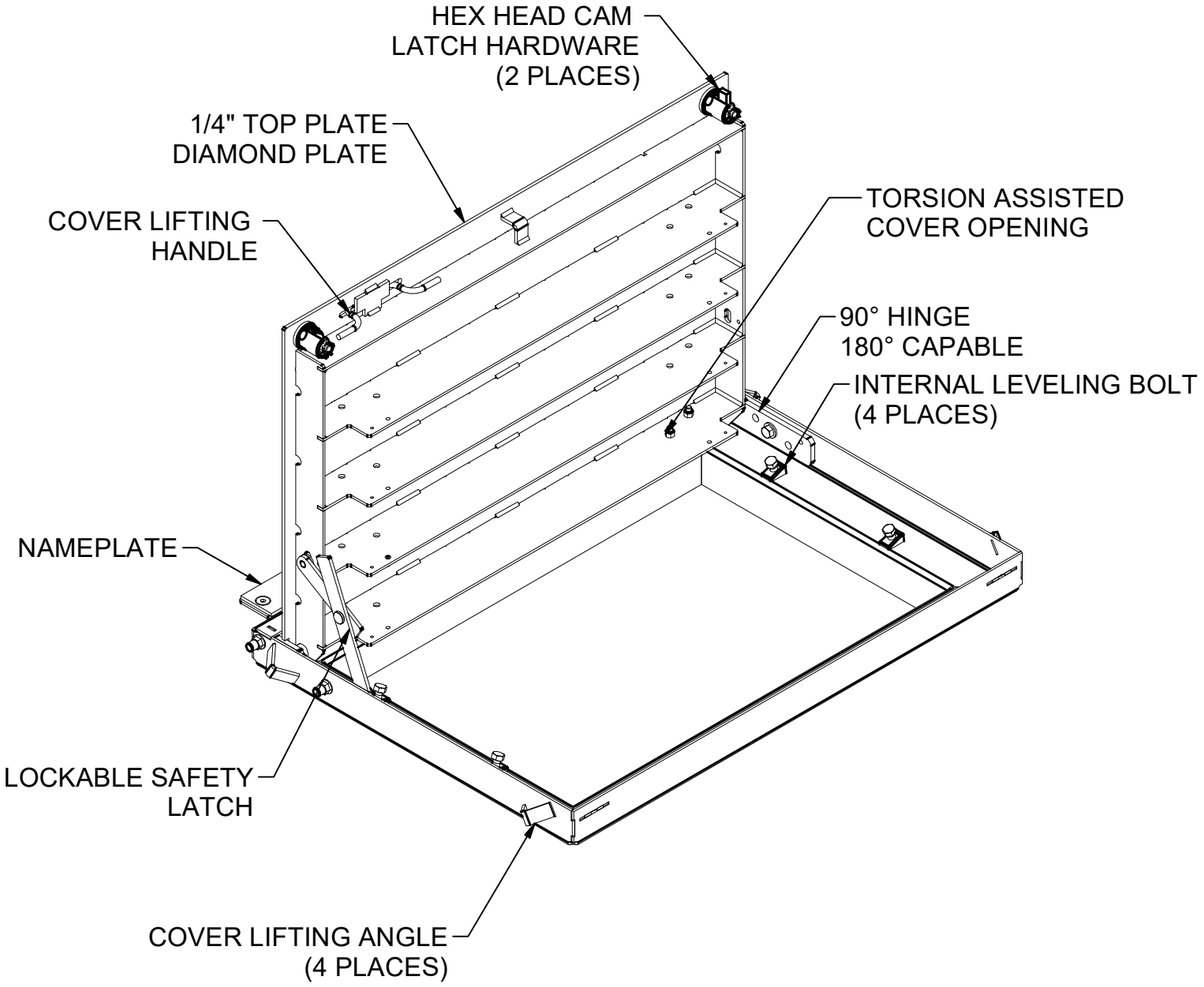
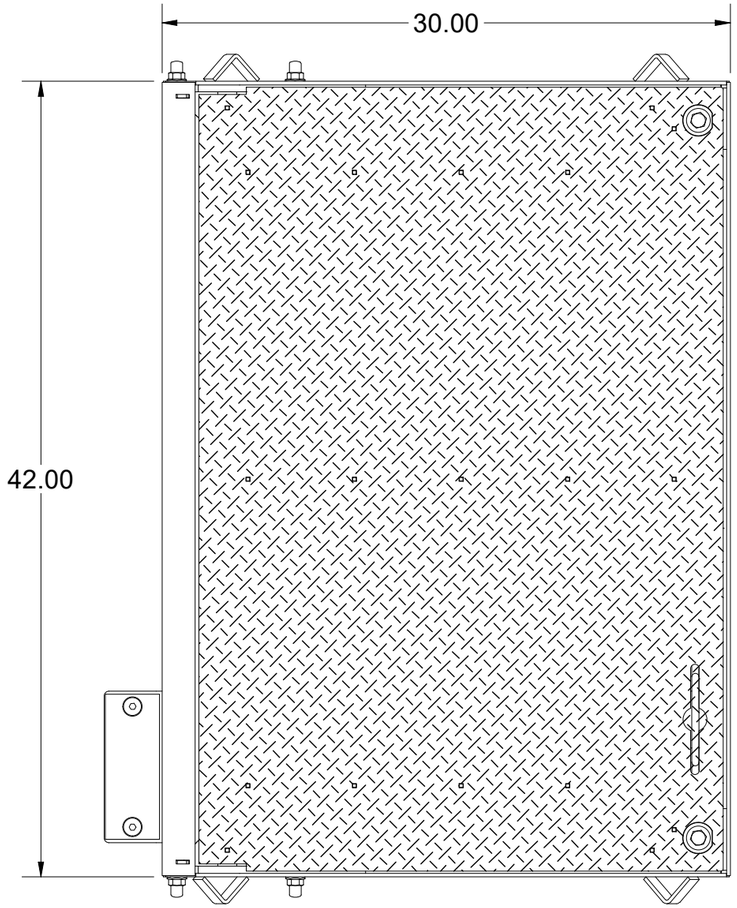
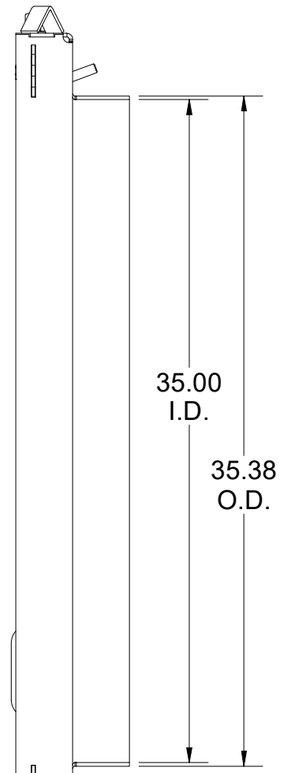
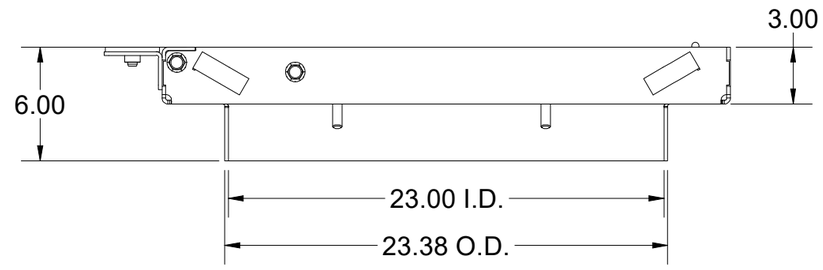








100002310.idw

LOADING CRITERIA: ASTM C1802 Load Level 04

16,000 lb load on 10" x 20" footprint, without impact restricted to parking spaces and areas within close proximity of roadways.

SURFACE:	Diamond Plate	FINISH:	Galvanized
WEIGHT:	220.52 lbs	MARKING:	As Noted

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DESCRIPTION: CAS1-2436-AH4-DP-G-CL-OH06

24x36 Standard Cover Assembly (ASTM C1802 Load Level 04, Steel, Hinged, Handle (1 Per Door), Diamond Plate, Galvanized, N/A) 06

PART NUMBER:	100002310	DRAWN BY:	M. Bouchard
CREATED:	2/21/2020	MODIFIED:	11/2/2026

REV: D-1

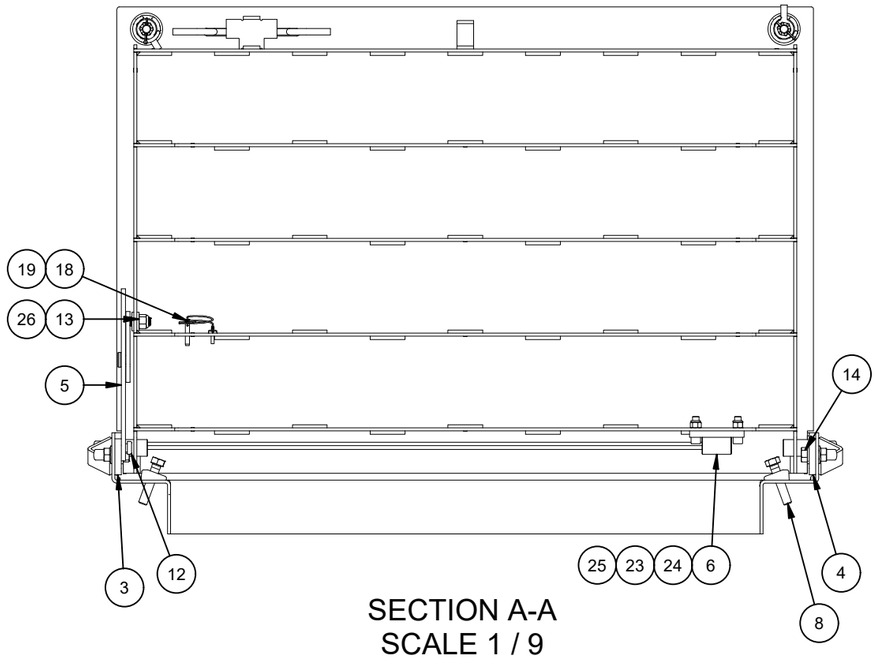
SHEET: 1

BILL OF MATERIALS

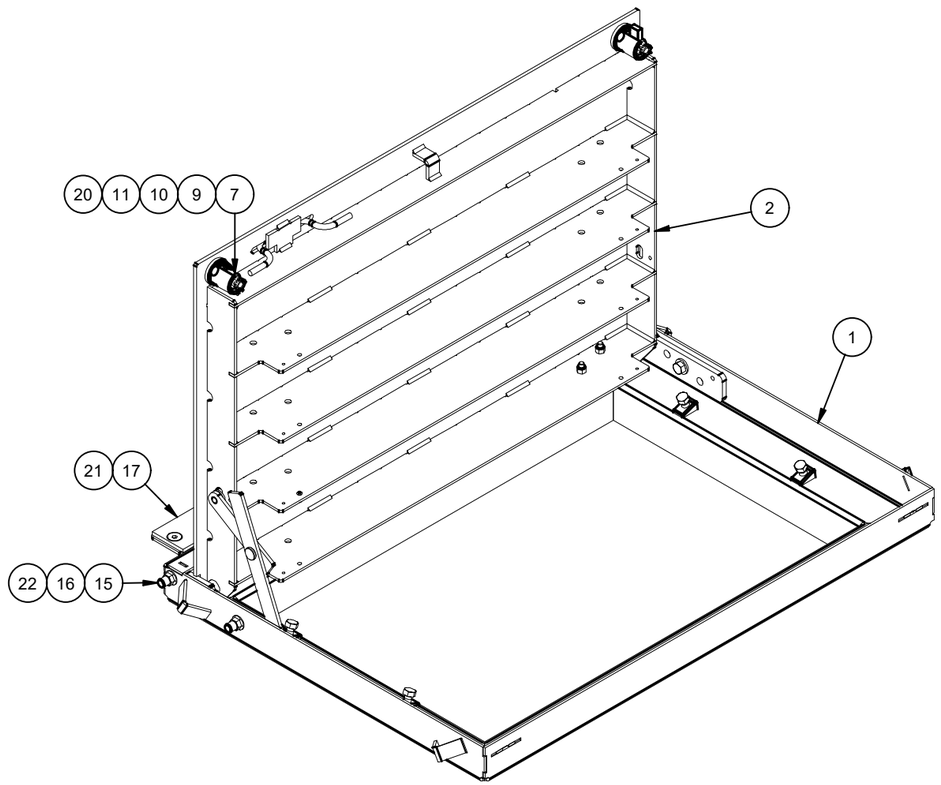
ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	1	1	200012852	FAS-2436-AH4-R-OH06	200012852
2	1	1	200032222	DAS1-T-2436-H4-DP-R-CL	200032222
3	1	1	100007657	Hinge Assembly, Left, 7/16, Steel	100007657
4	1	1	100007666	Hinge Assembly, Right, Steel	100007666
5	1	1	100007933	SAFETY LATCH ASSY FOR UNI AND 90 D HINGE	100007933
6	1	1	100007670	SPRING MOUNT ASSY .438	100007670
7	2	2	100007729	HEX NUT SLOTTED CASTLE HEAD 1/2-13 SS	100007729
8	4	4	100005059	BOLT HEX 1/2-13 UNC 2.5 ZINC	100005059
9	2	2	100007918	COTTER PIN 0.094DIA X 1-1/4	100007918
10	2	2	100007857	NUT FINGER 1/2-13 BRASS	100007857
11	2	2	100007915	SPRING COMPRESSION 055 X 5/8 X 7/8 LONG	100007915
12	1	1	100007876	Bolt Shoulder Socket Head - 3/8-16 UNC - SD-0.5" - SL-0.3125" - Grade 5 - Zinc	100007876
13	1	1	100007492	HEX NUT NYLOCK - 1/2-13 UNC - GR5 - ZINC	100007492

BILL OF MATERIALS

ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
14	2	2	100003823	Hex Bolt 1/2-13 UNC ZINC - PT - 1.5"	100003823
15	4	4	100007939	CAP VINYL .467 X 1/2	100007939
16	2	2	100007869	BOLT SHCS 1/2-13 X 1-3/4 SS	100007869
17	2	2	100007733	Bolt Socket Flat Countersunk Head - 1/2-13 UNC - Grade 5 - Zinc - FT - 1"	100007733
18	1	1	100007924	LANYARD 3/64 W/PIN COATED SS	100007924
19	1	1	100007882	Rivet Blind Grip .1875" Large Domed Head Range-0.376-0.5" Steel	100007882
20	2	2	100011407	Hex Bolt 1/2-13 UNC ZINC - PT - 2.25"	100011407
21	1	1	100007391	NAME PLATE STEEL - BLANK	100007391
22	4	4	100026256	LOW-STRENGTH STEEL FLANGE NUT, 1/2" - 13 THREAD SIZE	100026256
23	2	2	100007873	BOLT SOCKET CAP - 3/8-16 UNC - 1.25 - ZINC	100007873
24	2	2	100007496	HEX NUT NYLOCK - 3/8-16 UNC - ZINC	100007496
25	1	1	100007726	TORSION HEX ROD 7/16 X 36 RAW	100007726
26	4	4	100011418	WASHER FLAT 1/2 NARROW ZINC	100011418



SECTION A-A
SCALE 1 / 9



REVISION HISTORY		
DESCRIPTION	DATE	REVISED BY
UPDATED BOM ON FINAL PRINT	1/25/2023	K. AGUILAR
CLEANED DRAWINGS, REDESIGNED FOR FLAT BAR, UPDATED TO CURRENT STANDARDS	6/27/2025	M. BOUCHARD
61194-78: UPDATED CALCS AND WELDS	10/30/2026	C. HEYWOOD

MATERIAL FINISH: Galvanized

MATERIAL SURFACE: Diamond Plate

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PART NUMBER & DESCRIPTION: 100002310 CAS1-2436-AH4-DP-G-CL-OH06

REV: D-1

WEIGHT: 220.52 Lbs

DRAWN BY: M. Bouchard

CREATED: 2/21/2020

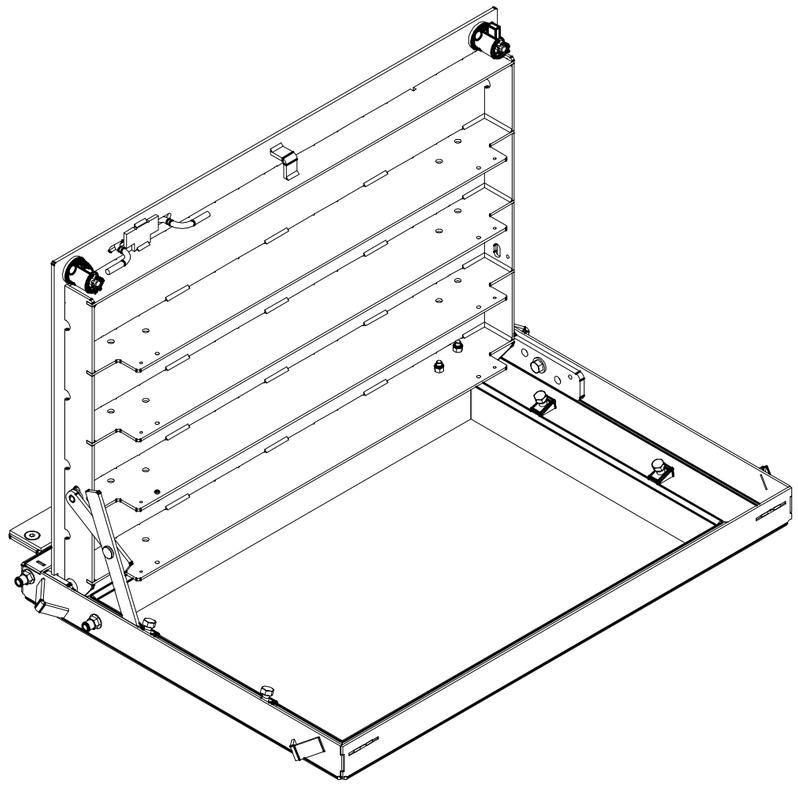
MODIFIED: 11/2/2026

SHEET: 2

100002310.idw

BURN LIST - BOM

PART NAME	ITEM QTY	QTY	DESCRIPTION	STOCK NUMBER	MATERIAL	MASS	SHEET
200012853	1	18.523 lbmass	Frame Component Steel Frame Front, Adjustable	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	18.523 lbmass	06
200012854	1	21.796 lbmass	Frame Component Steel Frame End, Adjustable	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	21.796 lbmass	07
200012855	1	12.620 lbmass	Frame Component Steel Frame Side Right, Adjustable	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	12.620 lbmass	08
200012856	1	12.620 lbmass	Frame Component Steel Frame Side Left, Adjustable	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	12.620 lbmass	09
200032223	1	88.781 lbmass	Door Component Steel Plate, Top	100007736	SHT STL CQ DP RAW .25 - 36 KSI YIELD	88.781 lbmass	10
200032226	2	6.393 lbmass	Door Component Steel Side Bar	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	3.197 lbmass	11
200080115	2	0.175 lbmass	Frame Slam Latch Catch Plate - A36 - 0.41" Overhang	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	0.087 lbmass	12
200102892	4	34.897 lbmass	Door Component Steel Stiffener, Plate	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	8.724 lbmass	13
200102906	1	5.319 lbmass	Door Component Steel Stiffener, Bar	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	5.319 lbmass	14



100002310.idw

MATERIAL FINISH: Galvanized

MATERIAL SURFACE: Diamond Plate

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PART NUMBER & DESCRIPTION: 100002310 CAS1-2436-AH4-DP-G-CL-OH06

REV: D-1

WEIGHT: 220.52 Lbs

DRAWN BY: M. Bouchard

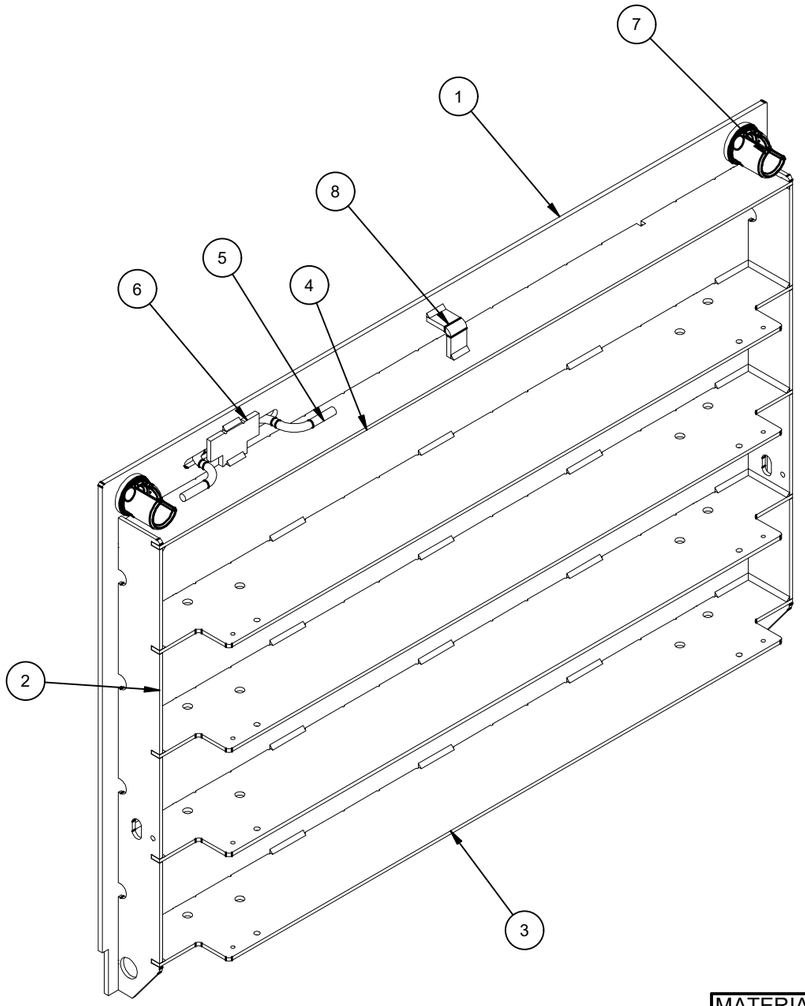
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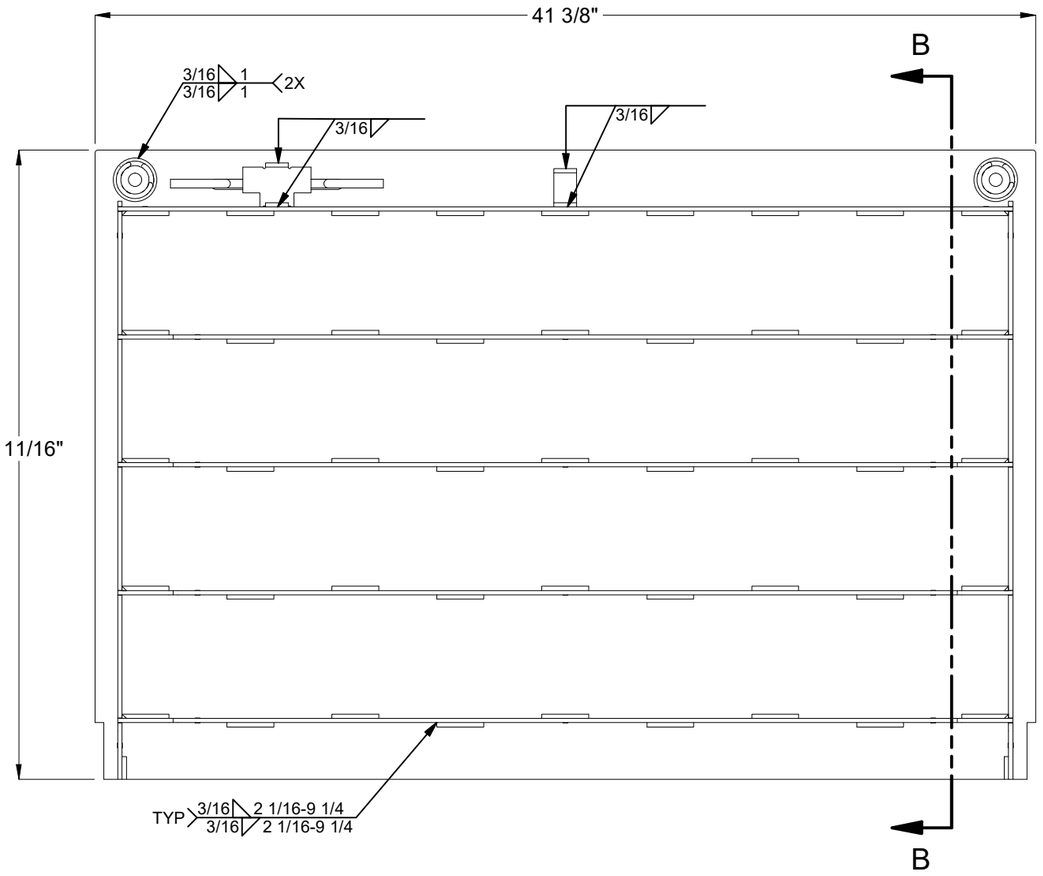
CREATED: 2/21/2020

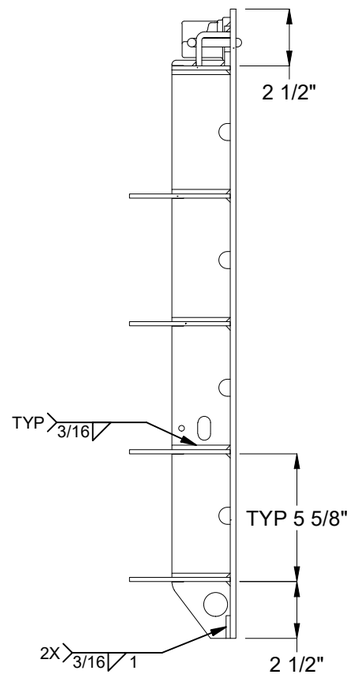
MODIFIED: 11/2/2026

BILL OF MATERIALS

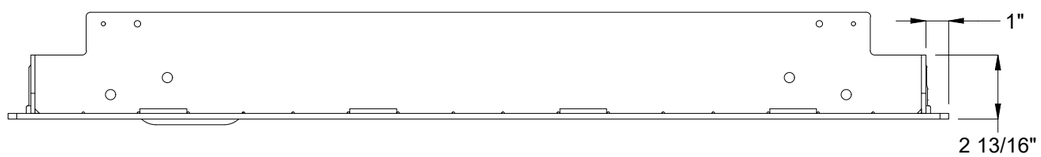
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	88.781 lbmass	88.781 lbmass	100007736	Door Component Steel Plate, Top	200032223
2	3.197 lbmass	6.393 lbmass	100007734	Door Component Steel Side Bar	200032226
3	8.724 lbmass	34.897 lbmass	100007734	Door Component Steel Stiffener, Plate	200102892
4	5.319 lbmass	5.319 lbmass	100007734	Door Component Steel Stiffener, Bar	200102906
5	1	1	100007644	LEAF PULL HANDLE A36 3/8IN DIAMETER	100007644
6	1	1	100007646	HANDLE RETAINER STL	100007646
7	1	2	100007970	CAM TOWER CAST STEEL	100007970
8	1	1	100007647	LIFTING BRACKET STEEL LEAF	100007647







SECTION B-B



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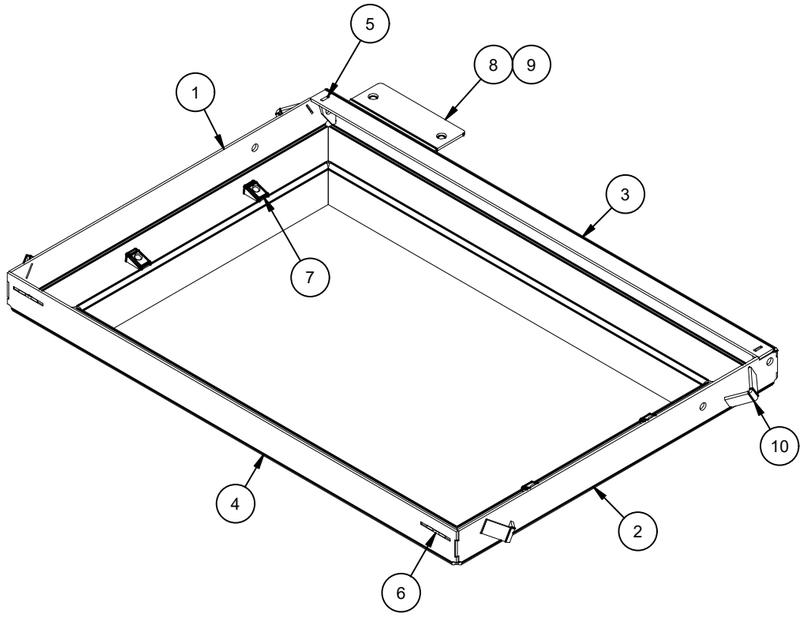
MATERIAL FINISH: Raw	Jensen Infrastructure	©2026 Jensen Infrastructure - All rights reserved. All materials appearing as Jensen Infrastructure documents and the like are proprietary work product and are protected under U.S. copyright and other laws. Unless in conjunction with business conducted with Jensen Infrastructure , any use of Jensen Infrastructure work product without express, written consent is prohibited, and recipient is prohibited from distributing any and all work product to non-approved third parties under penalty of civil action. This product shall only be produced in a Jensen Infrastructure facility.	PART NUMBER & DESCRIPTION: 200032222 DAS1-T-2436-H4-DP-R-CL	REV: D-1
MATERIAL SURFACE: Diamond Plate	527 Dunn Circle, Sparks, NV 89431 775-352-2716 FAX: 755-358-8127 JENSENMETALTECH.COM		WEIGHT: 137.77 Lbs / DRAWN BY: M. Bouchard	SHEET: 4
			CREATED: 2/21/2020 / MODIFIED: 11/2/2026	

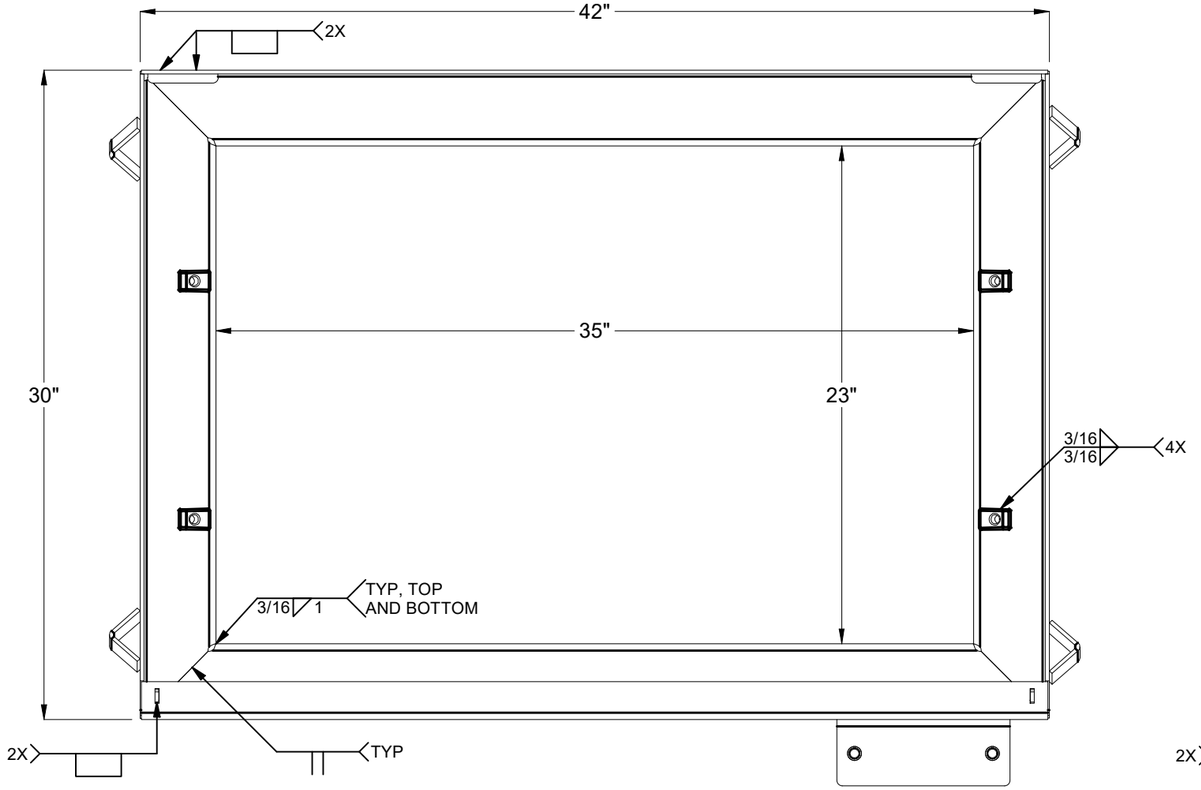
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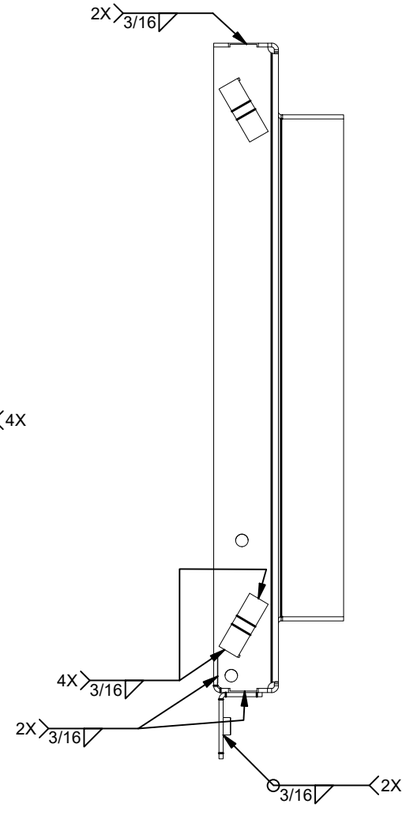
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	12.620 lbmass	12.620 lbmass	100007734	Frame Component Steel Frame Side Left, Adjustable	200012856
2	12.620 lbmass	12.620 lbmass	100007734	Frame Component Steel Frame Side Right, Adjustable	200012855
3	21.796 lbmass	21.796 lbmass	100007734	Frame Component Steel Frame End, Adjustable	200012854
4	18.523 lbmass	18.523 lbmass	100007734	Frame Component Steel Frame Front, Adjustable	200012853
5	1	2	200018691	FRAME BOLT DOUBLER SLOT	200018691

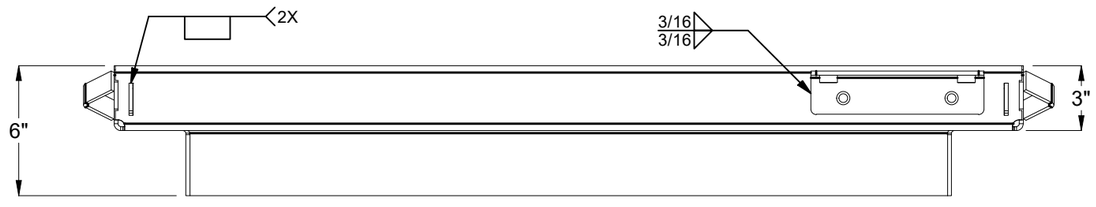
BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
6	0.087 lbmass	0.175 lbmass	100007734	Frame Slam Latch Catch Plate - A36 - 0.41" Overhang	200080115
7	1	4	100007863	NUT LEVELER 1/2-13 WELDABLE CAST STEEL	100007863
8	1	1	100007667	NAME PLATE FRAME ANGLE	100007667
9	1	2	100007728	NUT SELF-CLINCH 1/2-13 S-0813-1 RAW	100007728
10	1	4	100007641	FRAME LIFTING BRACKET	100007641





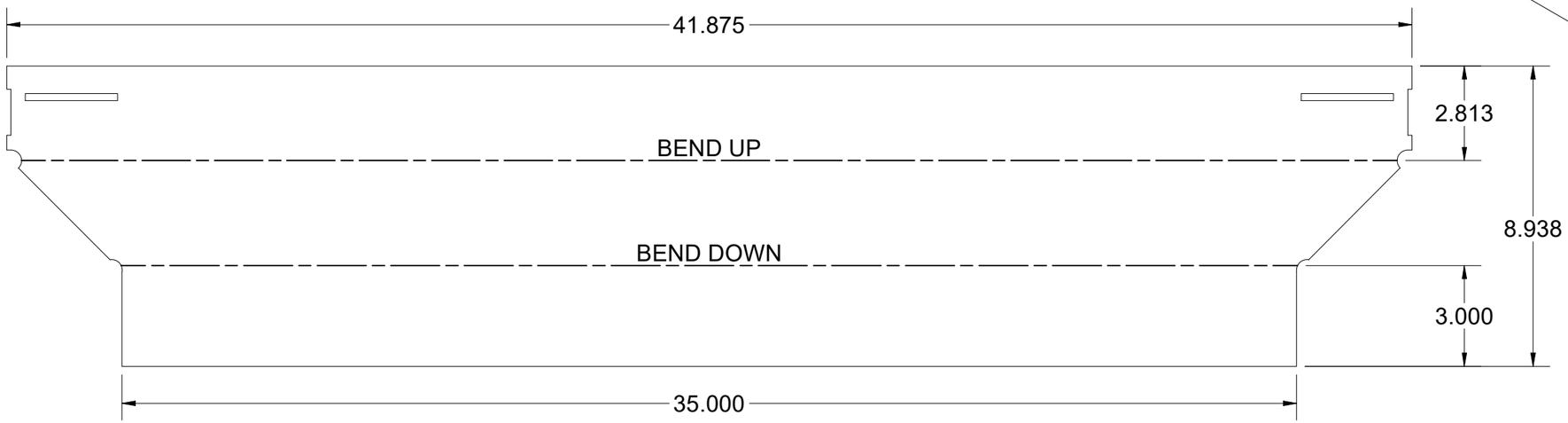


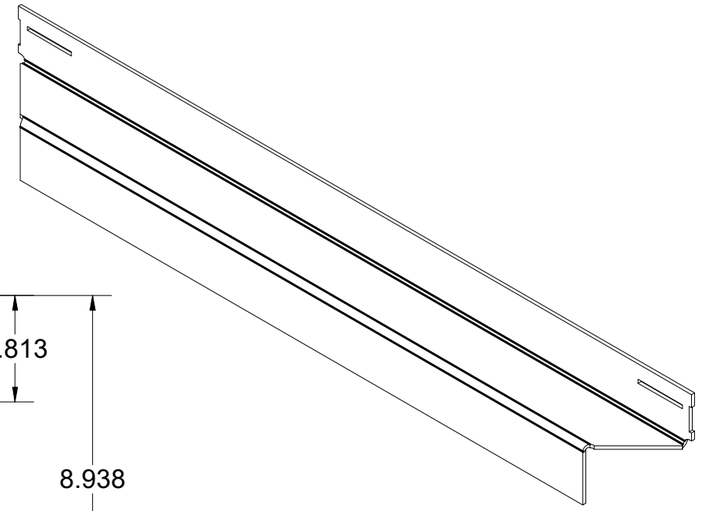


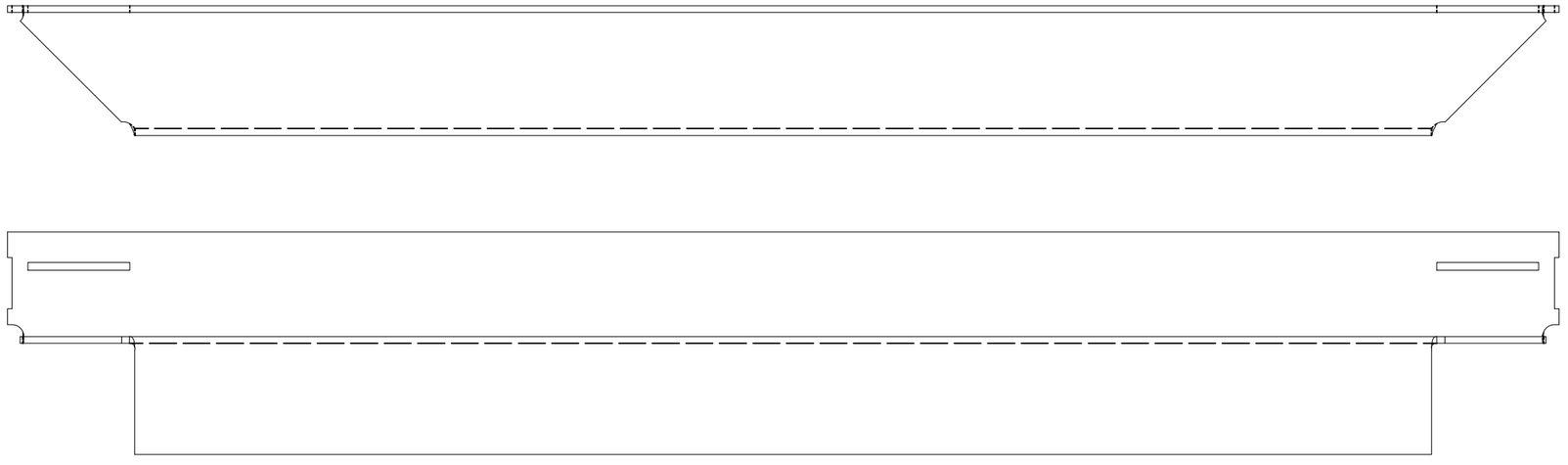
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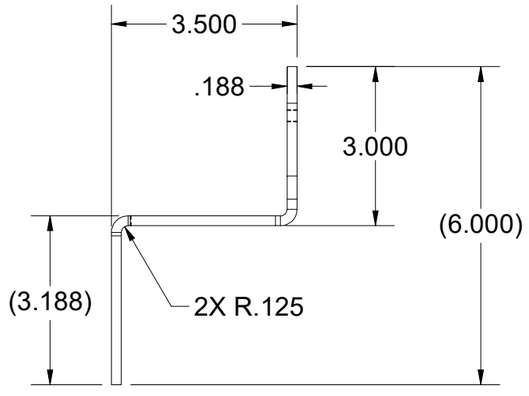
MATERIAL FINISH: Raw	Infrastructure JENSEN 527 Dunn Circle, Sparks, NV 89431 775-352-2716 FAX: 755-358-8127 *JENSENMETALTECH.COM*	©2026 Jensen Infrastructure - All rights reserved. All materials appearing as Jensen Infrastructure documents and the like are proprietary work product and are protected under U.S. copyright and other laws. Unless in conjunction with business conducted with Jensen Infrastructure , any use of Jensen Infrastructure work product without express, written consent is prohibited, and recipient is prohibited from distributing any and all work product to non-approved third parties under penalty of civil action. This product shall only be produced in a Jensen Infrastructure facility.	PART NUMBER & DESCRIPTION: 200012852 FAS-2436-AH4-R-OH06 — REV: D-1
MATERIAL SURFACE: Smooth			WEIGHT: 69.47 Lbs — DRAWN BY: M. Bouchard — SHEET: 5 CREATED: 2/21/2020 — MODIFIED: 11/2/2026

SYMMETRIC









BEND TABLE			
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION
0.125	2	90	0.375

MATERIAL IFS: 100007734

MATERIAL THK: 0.1875

MAT DESCRIPTION: STL ASTM A36 SM-HRPO 60X120 RAW .1875

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NAME & DESCRIPTION: 200012853 Frame Component Steel Frame Front, Adjustable

REV: D-1

WEIGHT: 18.523 lbmass

DRAWN BY: M. Bouchard

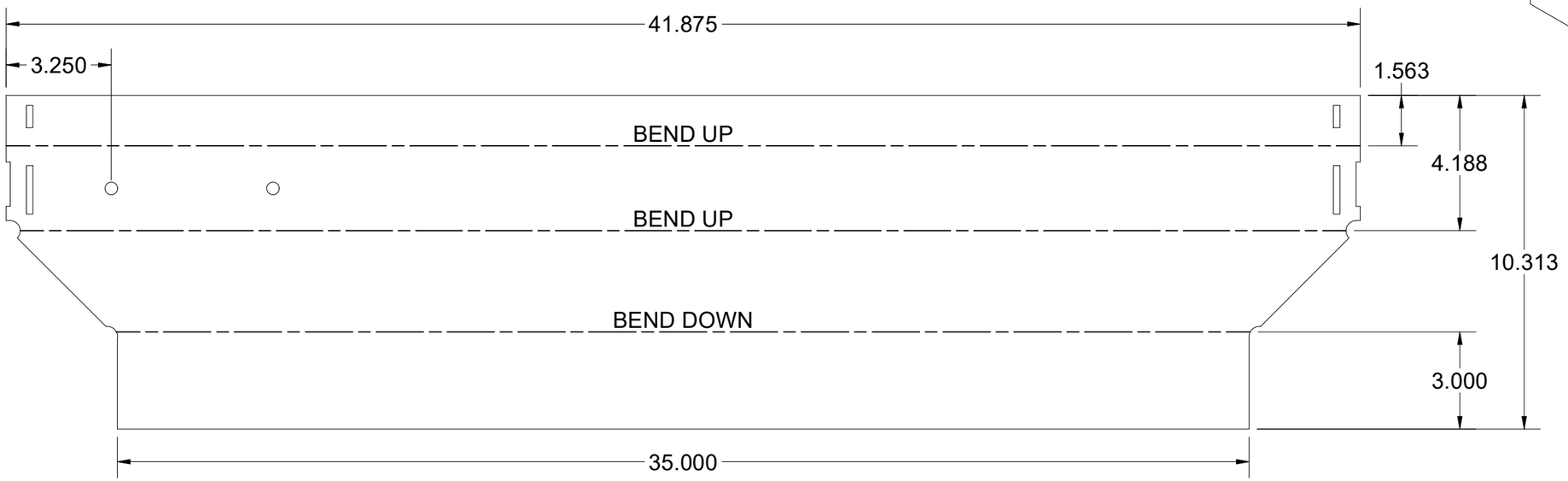
SHEET: 6 OF 14

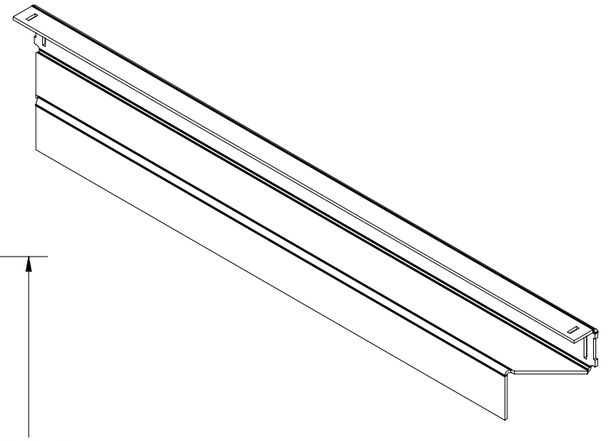
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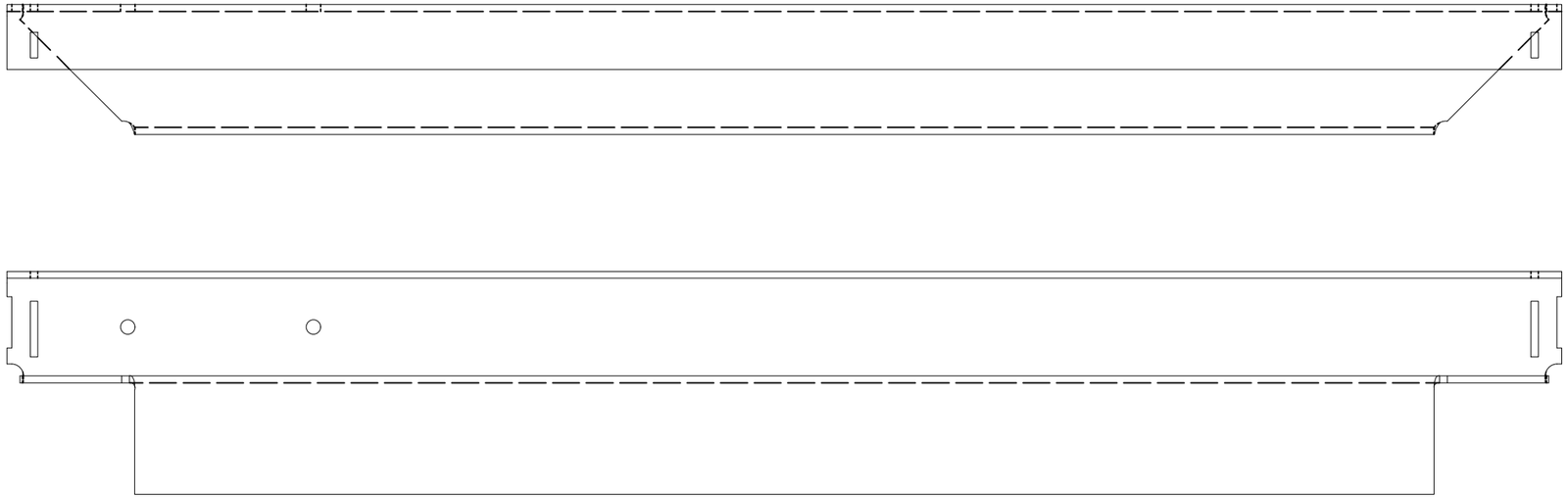
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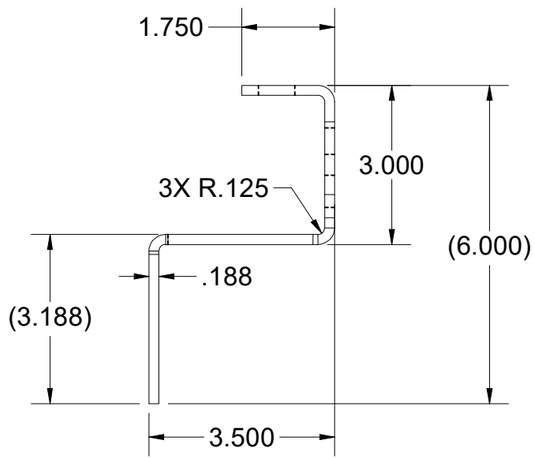
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NON-SYMMETRIC









BEND TABLE			
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION
0.125	2	90	0.375

MATERIAL IFS: 100007734

MATERIAL THK: 0.1875

MAT DESCRIPTION: STL ASTM A36 SM-HRPO 60X120 RAW .1875

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NAME & DESCRIPTION: 200012854 Frame Component Steel Frame End, Adjustable

REV: D-1

WEIGHT: 21.796 lbmass

DRAWN BY: M. Bouchard

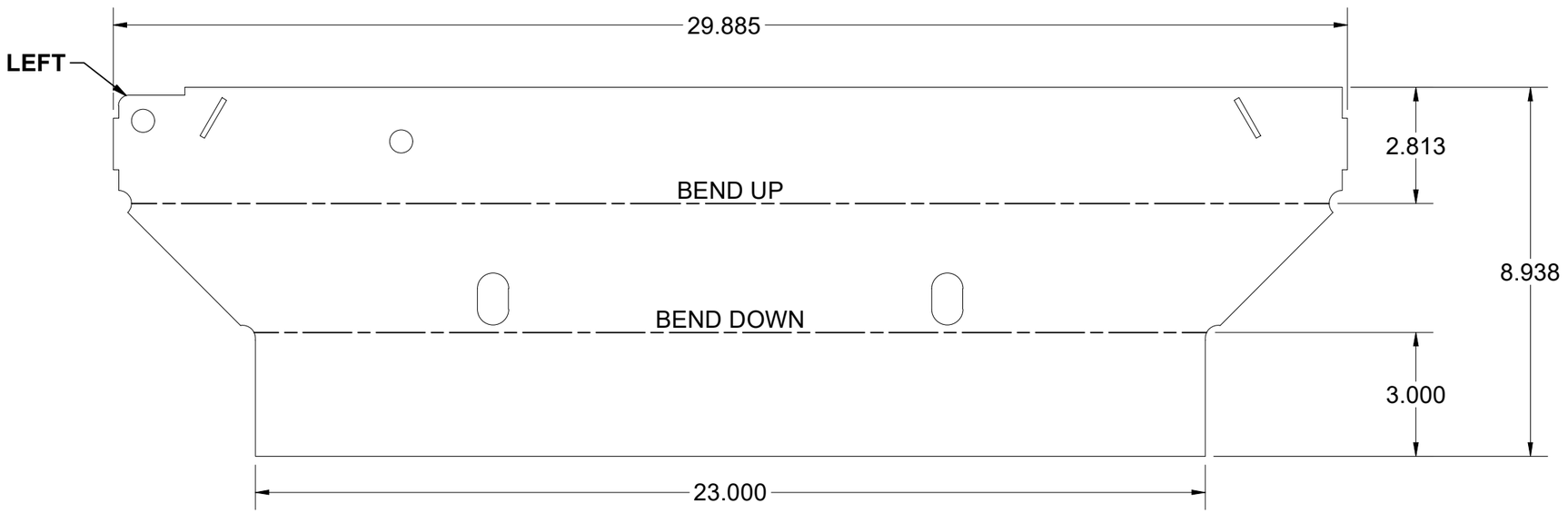
CREATED: 2/21/2020

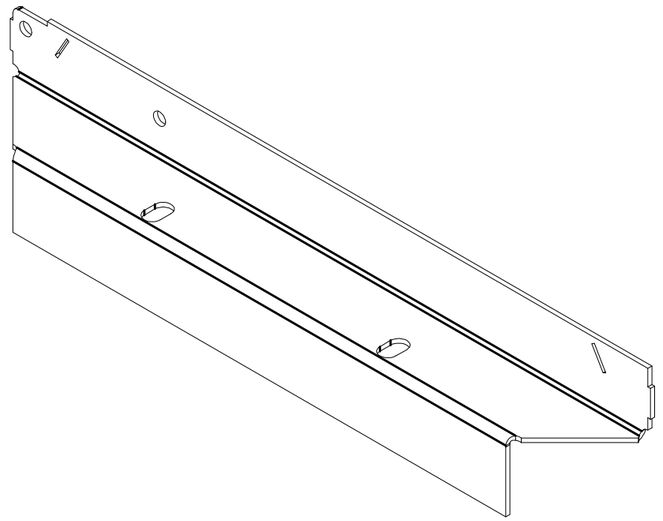
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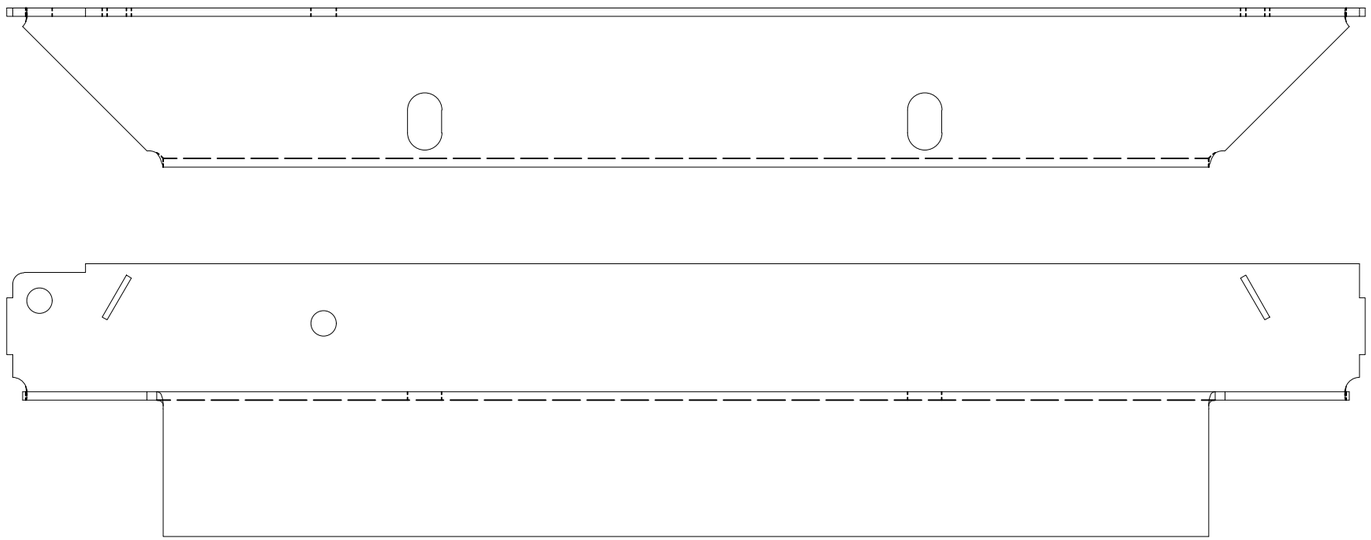
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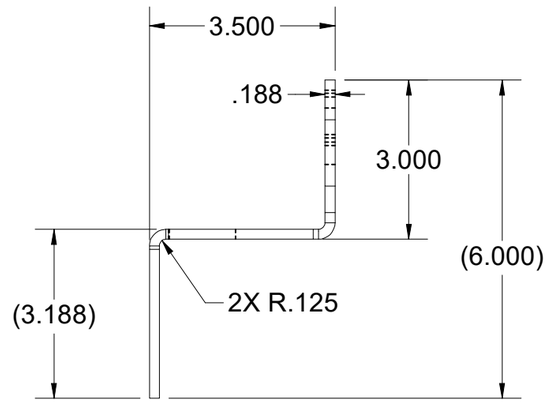
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NON-SYMMETRIC









BEND TABLE			
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION
0.125	2	90	0.375

MATERIAL IFS: 100007734

MATERIAL THK: 0.1875

MAT DESCRIPTION: STL ASTM A36 SM-HRPO 60X120 RAW .1875

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NAME & DESCRIPTION: 200012855 — Frame Component Steel Frame Side Right, Adjustable

REV: D-1

WEIGHT: 12.620 lbmass

DRAWN BY: M. Bouchard

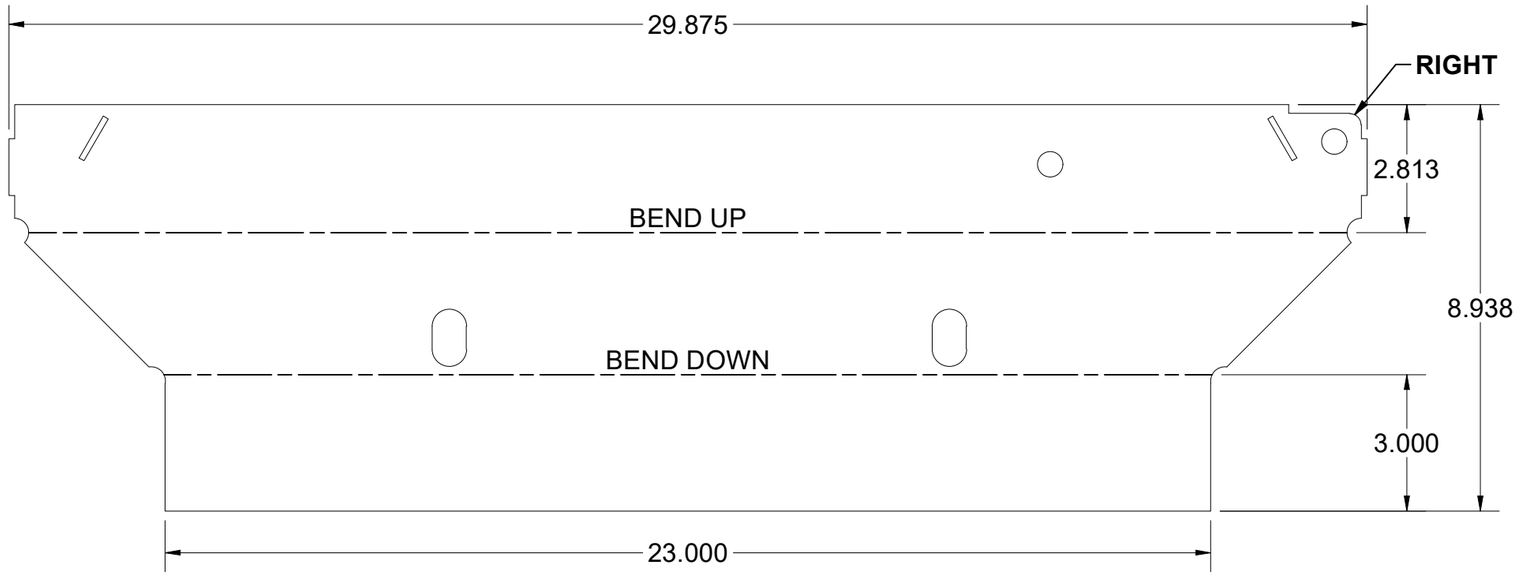
CREATED: 2/21/2020

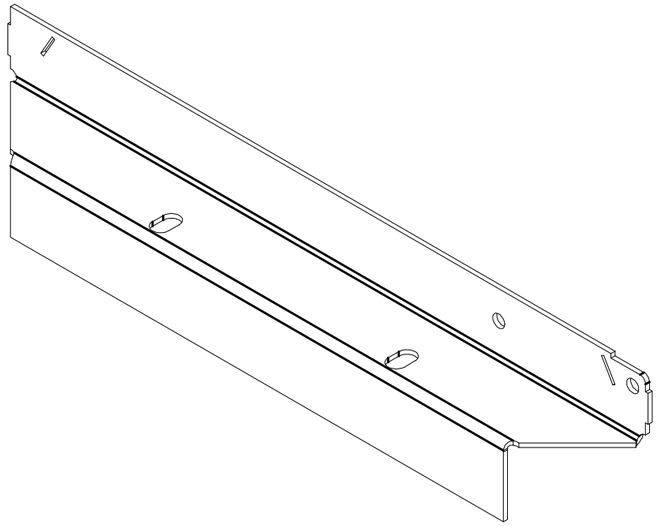
MODIFIED: 11/2/2026

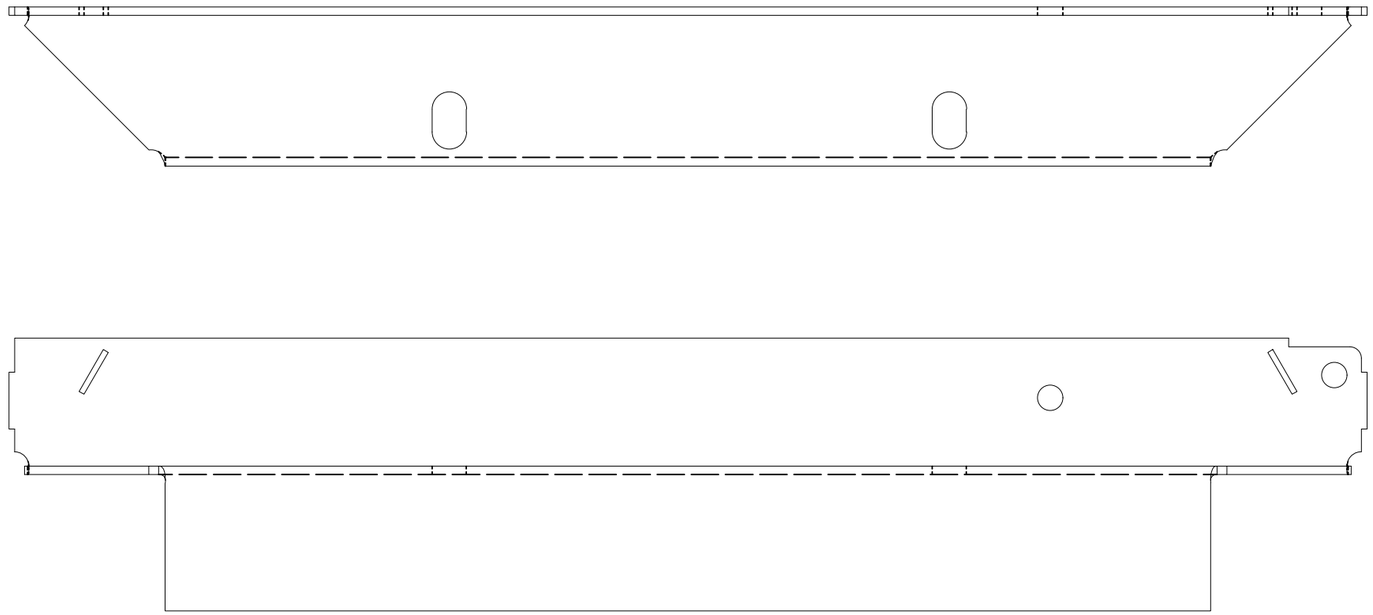
SHEET: 8 OF 14

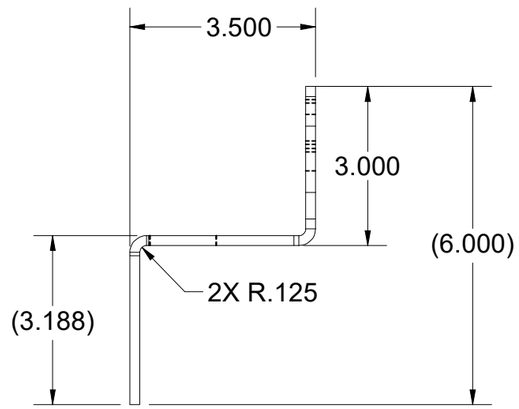
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NON-SYMMETRIC









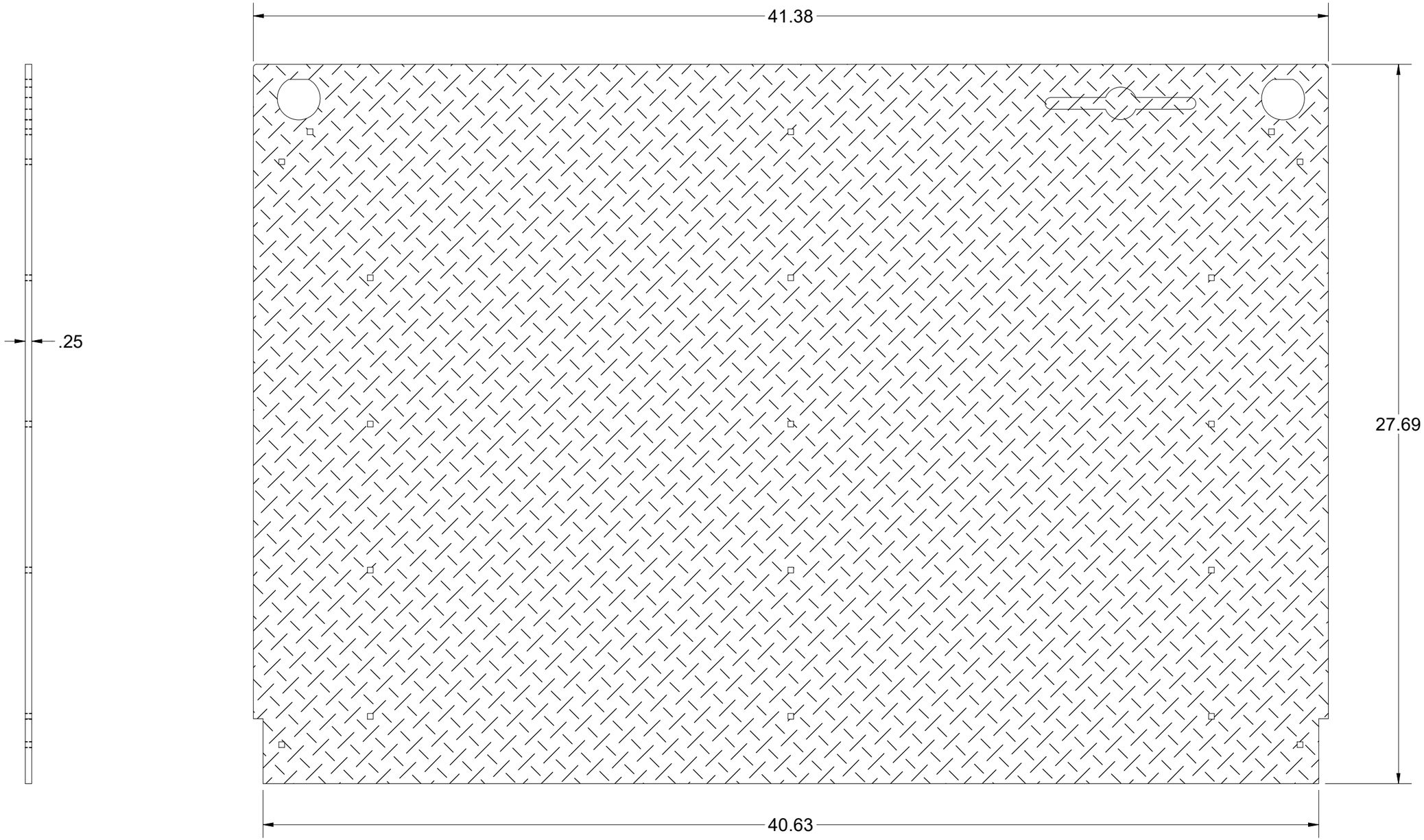
BEND TABLE				MATERIAL IFS: 100007734
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.1875
0.125	2	90	0.375	MAT DESCRIPTION: STL ASTM A36 SM-HRPO 60X120 RAW .1875

Infrastructure JENSEN
527 Dunn Circle, Sparks, NV 89431
775-352-2716 FAX: 755-358-8127
JENSENMETALTECH.COM

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NAME & DESCRIPTION: 200012856 Frame Component Steel Frame Side Left, Adjustable		REV: D-1
WEIGHT: 12.620 lbmass	DRAWN BY: M. Bouchard	SHEET: 9 OF 14
CREATED: 2/21/2020	MODIFIED: 11/2/2026	

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BEND TABLE			
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION
-	-	- 0	-

MATERIAL IFS: 100007736

MATERIAL THK: 0.25

MAT DESCRIPTION: SHT STL CQ DP RAW .25 - 36 KSI YIELD

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NAME & DESCRIPTION: 200032223
Door Component Steel Plate, Top

REV: D-1

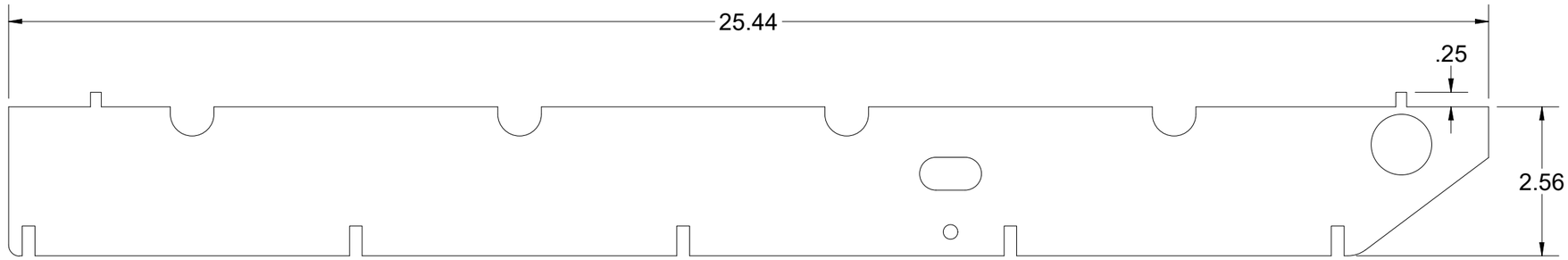
WEIGHT: 88.781 lbmass

DRAWN BY: M. Bouchard

CREATED: 2/21/2020

MODIFIED: 11/2/2026

SHEET: 10 OF 14





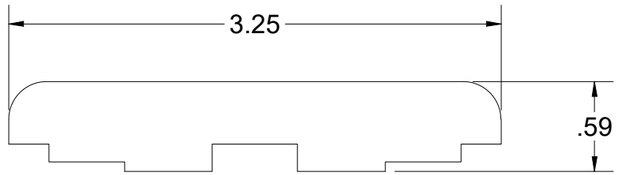
BEND TABLE				MATERIAL IFS: 100007734
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.1875
-	-	- 0	-	MAT DESCRIPTION: STL ASTM A36 SM-HRPO 60X120 RAW .1875

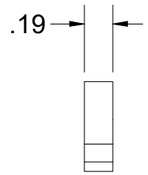
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NAME & DESCRIPTION: 200032226 Door Component Steel Side Bar		REV: D-1
WEIGHT: 3.197 lbmass	DRAWN BY: M. Bouchard	SHEET: 11 OF 14
CREATED: 2/21/2020	MODIFIED: 11/2/2026	

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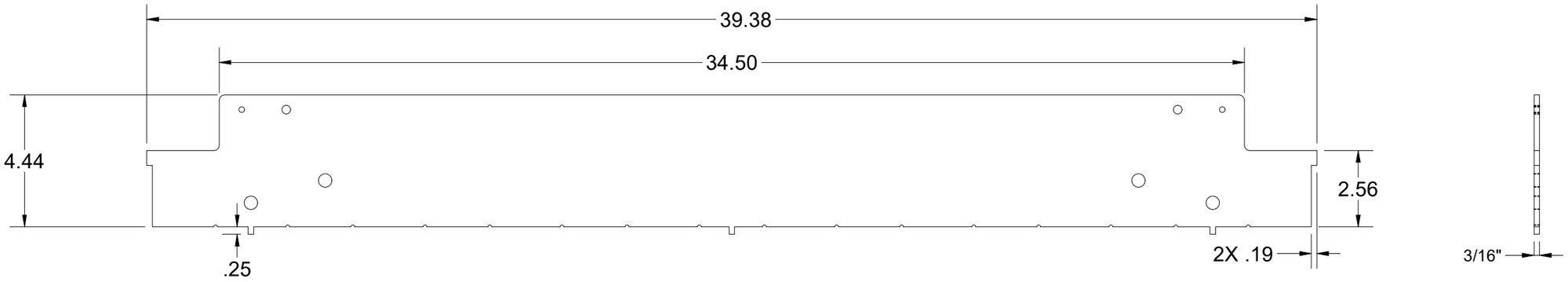
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BEND TABLE				MATERIAL IFS: 100007734
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.1875
-	-	-	-	MAT DESCRIPTION: STL ASTM A36 SM-HRPO 60X120 RAW .1875

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NAME & DESCRIPTION: 200080115 Frame Slam Latch Catch Plate - A36 - 0.41" Overhang		REV: D-1
WEIGHT: 0.087 lbmass	DRAWN BY: M. Bouchard	SHEET: 12 OF 14
CREATED: 2/21/2020	MODIFIED: 11/2/2026	



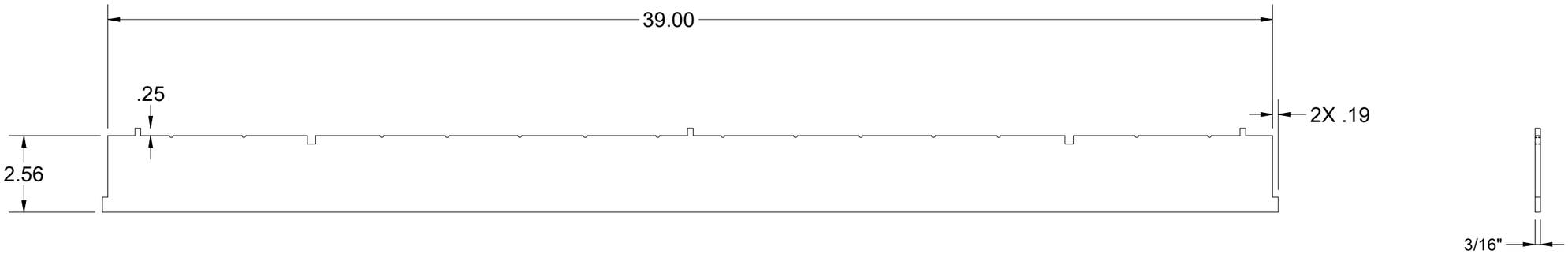
BEND TABLE				MATERIAL IFS: 100007734
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.1875
-	-	- 0	-	MAT DESCRIPTION: STL ASTM A36 SM-HRPO 60X120 RAW .1875

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NAME & DESCRIPTION: 200102892 Door Component Steel Stiffener, Plate		REV: D-1
WEIGHT: 8.724 lbmass	DRAWN BY: M. Bouchard	SHEET: 13 OF 14
CREATED: 2/21/2020	MODIFIED: 11/2/2026	

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BEND TABLE				MATERIAL IFS: 100007734
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.1875
-	-	- 0	-	MAT DESCRIPTION: STL ASTM A36 SM-HRPO 60X120 RAW .1875

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NAME & DESCRIPTION: 200102906 Door Component Steel Stiffener, Bar		REV: D-1
WEIGHT: 5.319 lbmass	DRAWN BY: M. Bouchard	SHEET: 14 OF 14
CREATED: 2/21/2020	MODIFIED: 11/2/2026	

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