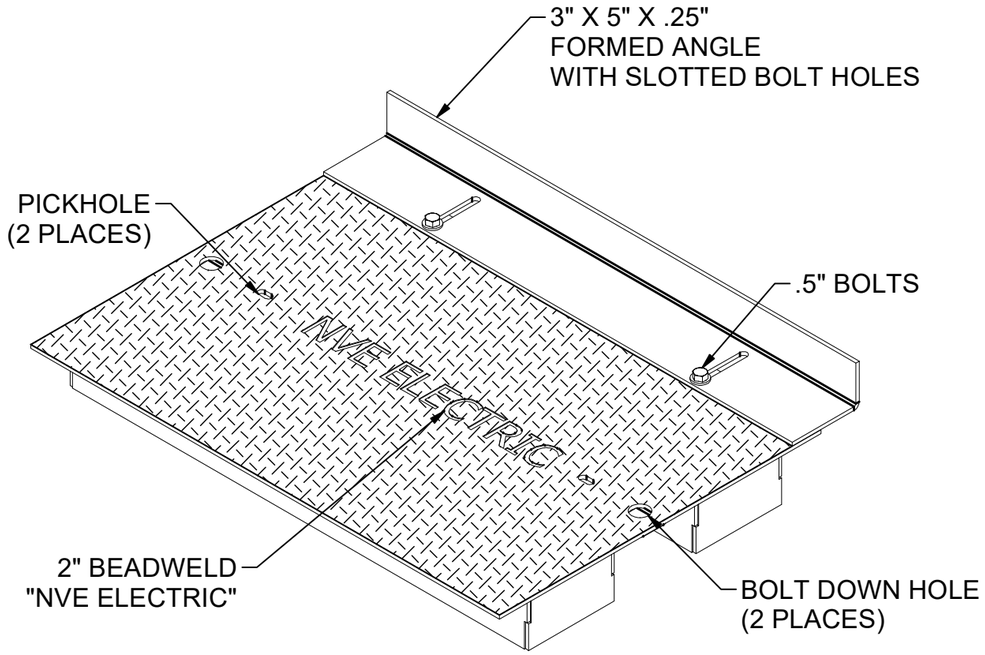
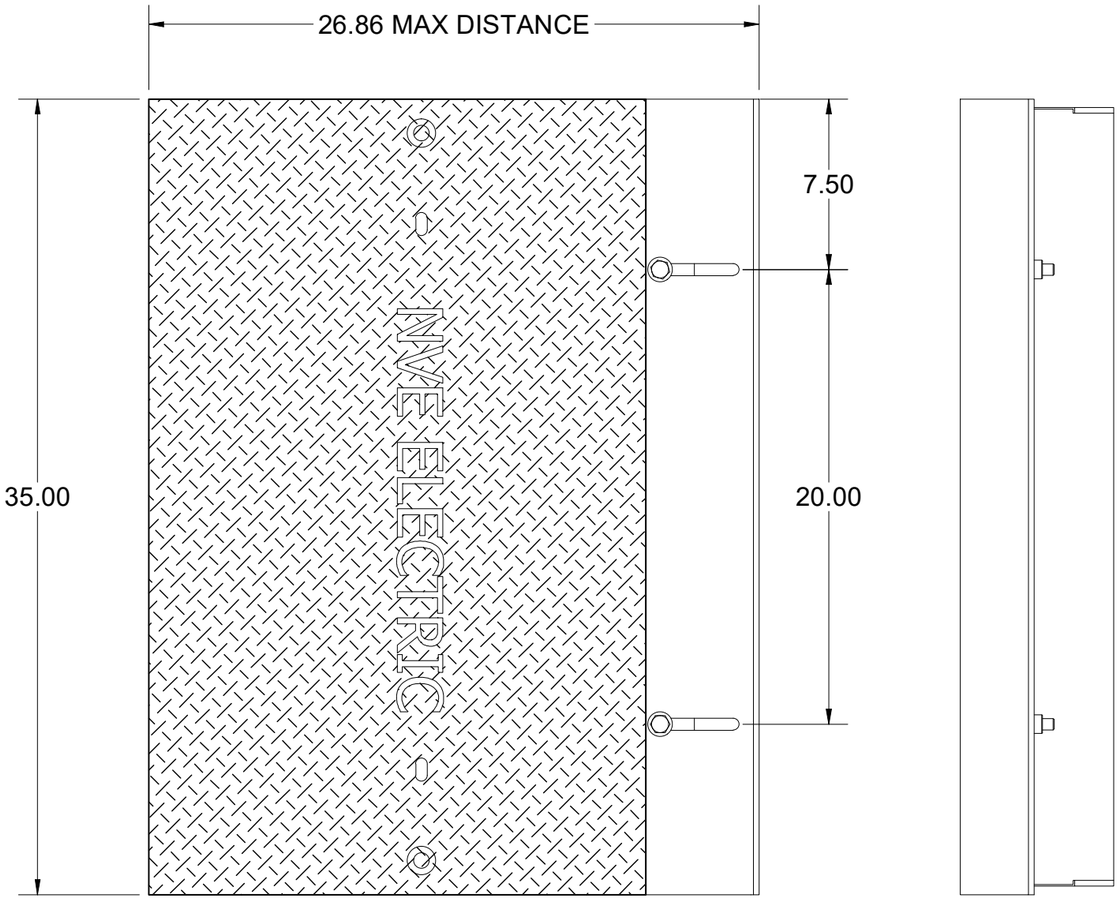
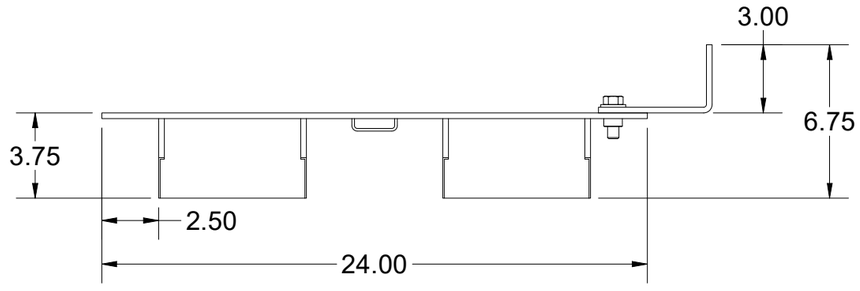






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LOADING CRITERIA: ASTM C1802 Load Level 02

300 psf, or 600 lb load on 5.5" x 5.5" footprint restricted to areas of pedestrian use and light maintenance vehicles use, and other areas that are inaccessible to all other vehicle traffic.

SURFACE:	Diamond Plate	FINISH:	Galvanized
WEIGHT:	128.57 lbs	MARKING:	NVE ELECTRIC

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DESCRIPTION: TRDAS1-SD-2435-D2-DP-G-BD-SP-NVE-BW-NVE ELECTRIC-END

24x35 Trench Door Assembly (Loading Criteria Per ASTM C1802 Load Level 02, Single Door, Steel, Drop In, Pickhole, Diamond Plate, Galvanized, NV Energy END)

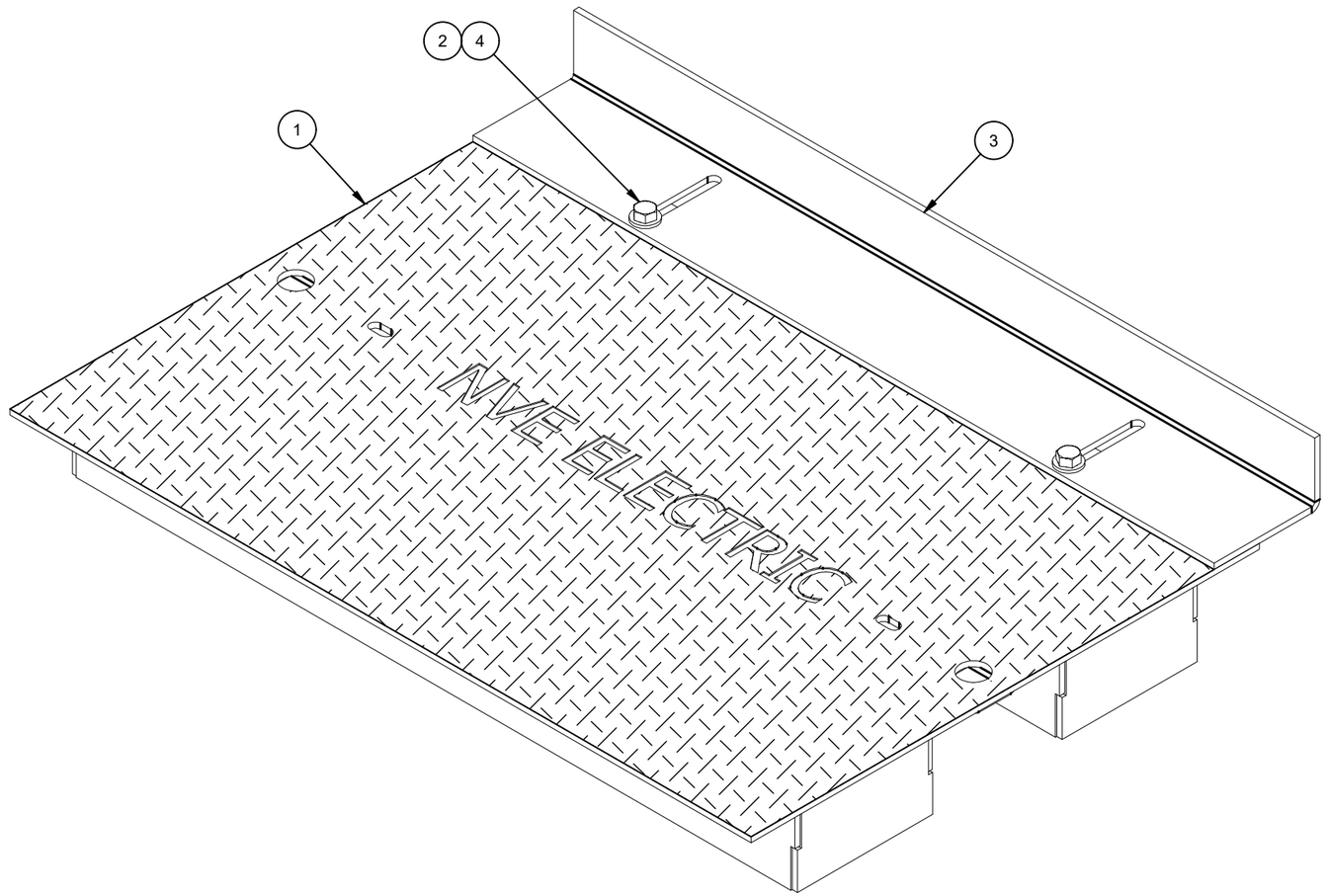
REV: A

SHEET: 1

PART NUMBER:	100007604	DRAWN BY:	E. Massey
CREATED:	1/27/2020	MODIFIED:	6/12/2025

BILL OF MATERIALS

ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
3	1	18.718 lbmass	100007735	TRENCH DOOR ANGLE	200035094
1	1	1	200035083	TRDAS1-SD-2435-D2-DP-P-BLACK-SP-NVE-BW-NVE ELECTRIC	200035083
2	2	2	100011418	WASHER FLAT 1/2 NARROW ZINC	100011418
4	2	2	100003823	BOLT HEX 1/2-13 UNC 1.5 ZINC	100003823



100007604.idw

REVISION HISTORY		
DESCRIPTION	DATE	REVISED BY
55403-1: ADDED REPLACED 100007675 WITH 200015371.	6/12/2025	COLLIN HEYWOOD

MATERIAL FINISH: Galvanized

MATERIAL SURFACE: Diamond Plate

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PART NUMBER & DESCRIPTION: 100007604 TRDAS1-SD-2435-D2-DP-G-BD-SP-NVE-BW-NVE ELECTRIC-END

REV: A

WEIGHT: 128.57 Lbs

DRAWN BY: E. Massey

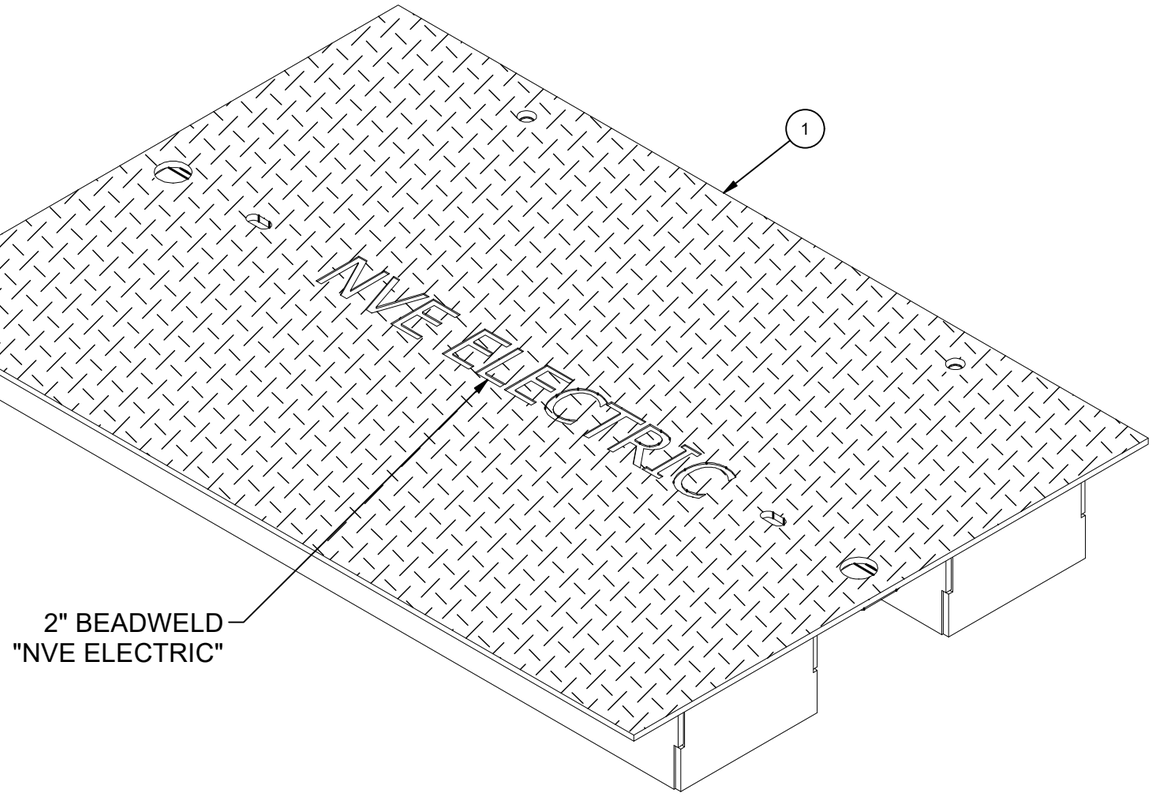
SHEET: 2

CREATED: 1/27/2020

MODIFIED: 6/12/2025

BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	65.374 lbmass	65.374 lbmass	100007736	Door Component Steel Plate, Top	200035075
2	9.287 lbmass	37.148 lbmass	100007736	Door Component Steel Stiffener, Bar	200035074
3	1.693 lbmass	6.770 lbmass	100007736	Door Component Steel Side Bar	200035073
4	1	2	100007728	NUT SELF-CLINCH 1/2-13 S-0813-1 RAW	100007728
5	1	2	200015371	J CONE BASE	200015371



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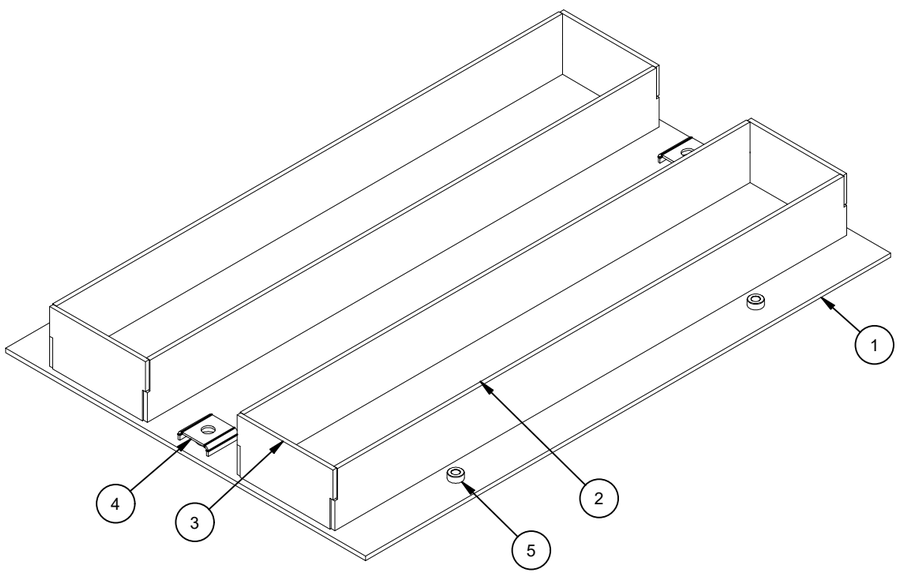
MATERIAL FINISH: Painted	Infrastructure JENSEN 527 Dunn Circle, Sparks, NV 89431 775-352-2716 FAX: 755-358-8127 *JENSENMETALTECH.COM*	©2025 Jensen Infrastructure - All rights reserved. All materials appearing as Jensen Infrastructure documents and the like are proprietary work product and are protected 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: 200035083 TRDAS1-SD-2435-D2-DP-P-BLACK-SP-NVE-BW-NVE ELECTRIC
MATERIAL SURFACE: Diamond Plate			WEIGHT: 109.53 Lbs DRAWN BY: E. Massey CREATED: 1/27/2020 MODIFIED: 6/12/2025

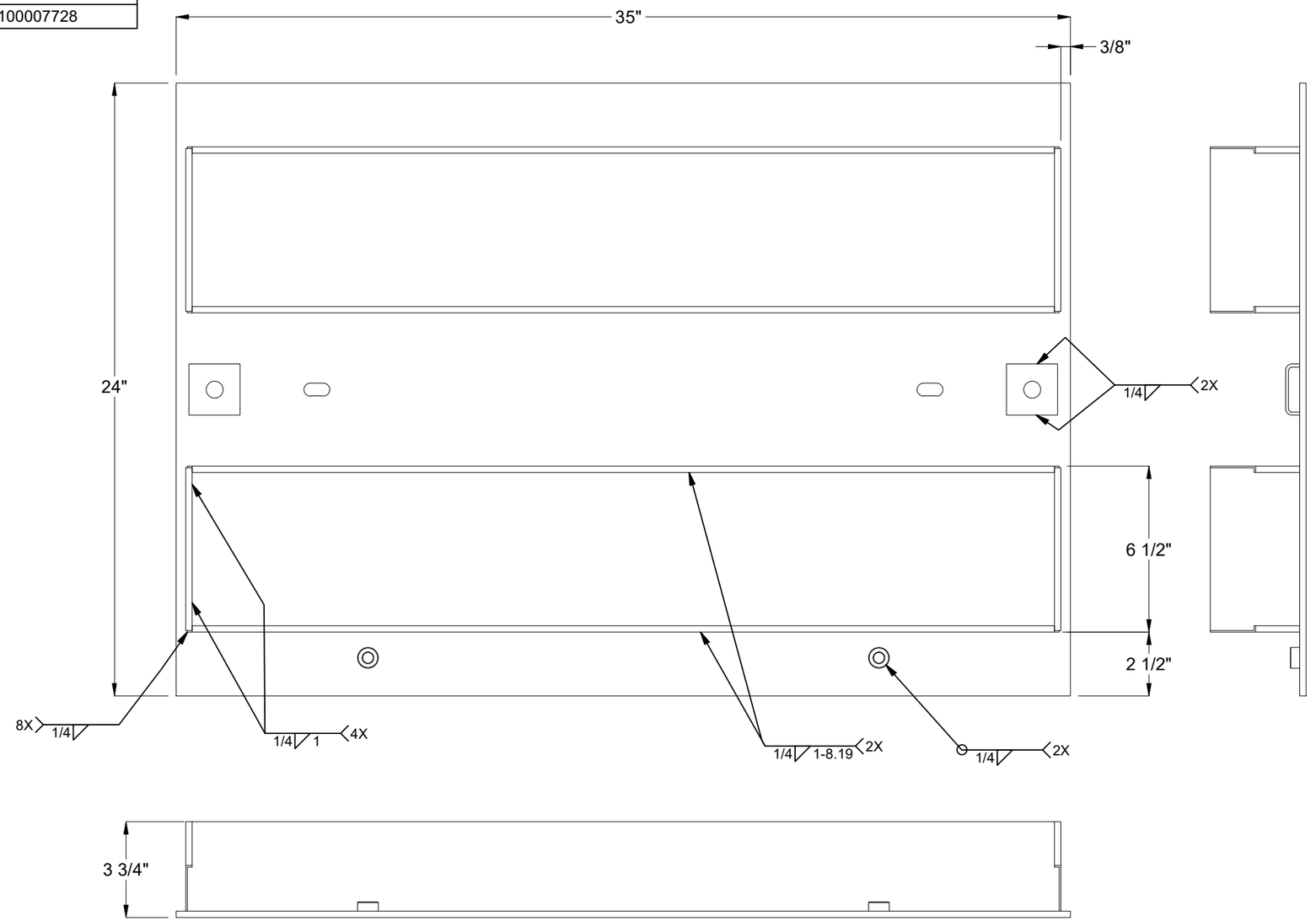
REV: A

SHEET: 3

BILL OF MATERIALS

ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	1	65.374 lbmass	100007736	Door Component Steel Plate, Top	200035075
2	4	37.148 lbmass	100007736	Door Component Steel Stiffener, Bar	200035074
3	4	6.770 lbmass	100007736	Door Component Steel Side Bar	200035073
4	2	2	200015371	J CONE BASE	200015371
5	2	2	100007728	NUT SELF-CLINCH 1/2-13 S-0813-1 RAW	100007728



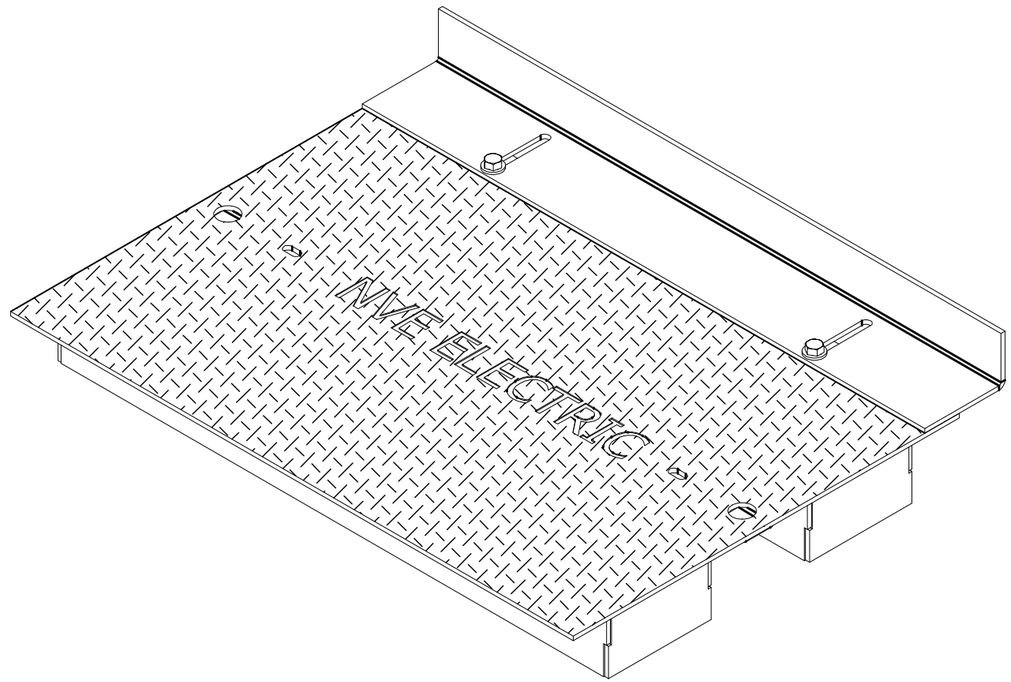


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MATERIAL FINISH: Raw	Infrastructure JENSEN 527 Dunn Circle, Sparks, NV 89431 775-352-2716 FAX: 755-358-8127 *JENSENMETALTECH.COM*	©2025 Jensen Infrastructure - All rights reserved. All materials appearing as Jensen Infrastructure documents and the 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: 200035072 TRDAS1-SD-2435-D2-DP-R-SP-NVE / REV: A
MATERIAL SURFACE: Diamond Plate			WEIGHT: 109.72 Lbs / DRAWN BY: E. Massey / SHEET: 4
			CREATED: 1/27/2020 / MODIFIED: 6/12/2025

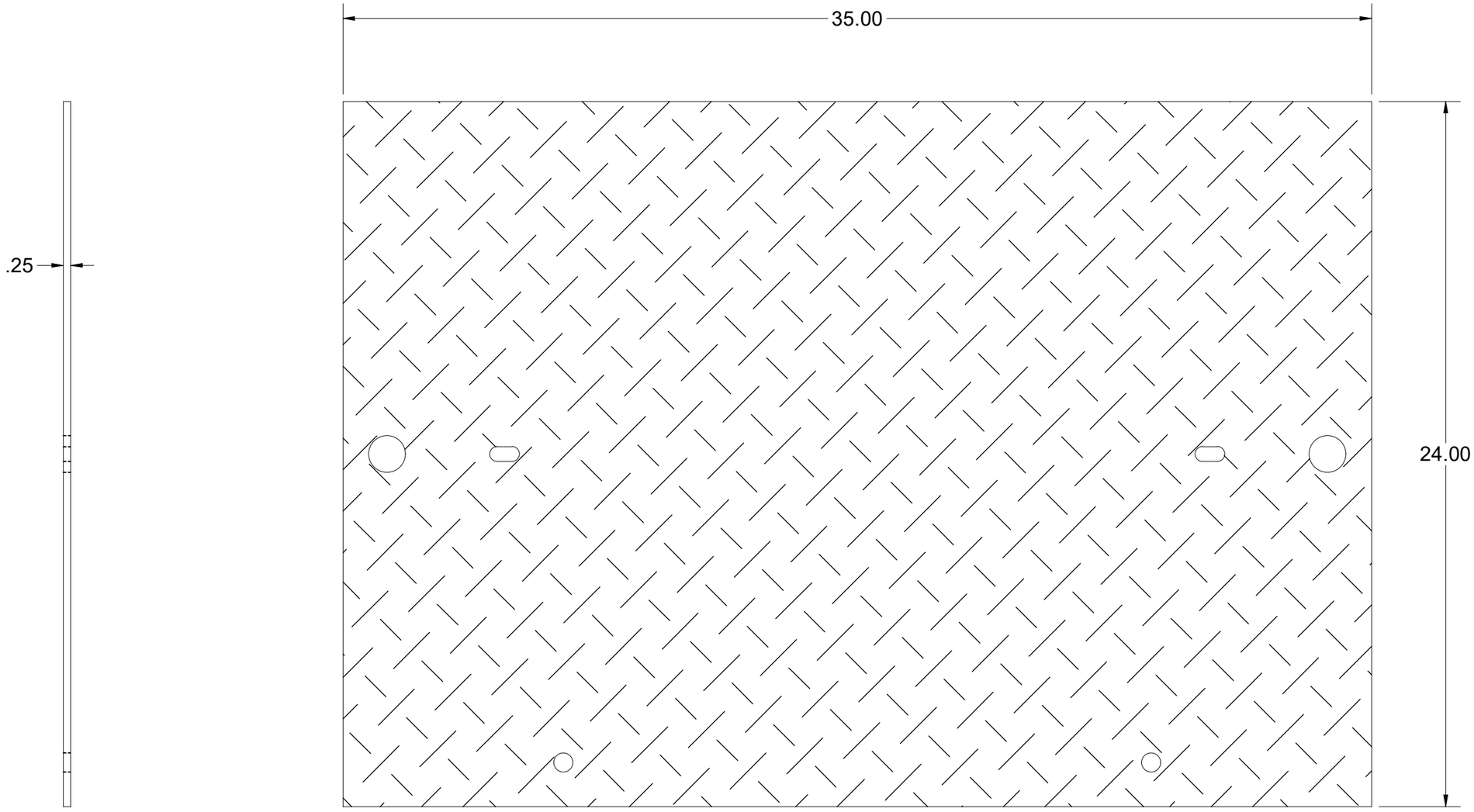
BURN LIST - BOM

PART NAME	ITEM QTY	QTY	DESCRIPTION	STOCK NUMBER	MATERIAL	MASS	SHEET
200035075	1	65.374 lbmass	Door Component Steel Plate, Top	100007736	SHT STL CQ DP RAW .25 - 36 KSI YIELD	65.374 lbmass	06
200035073	4	6.770 lbmass	Door Component Steel Side Bar	100007736	SHT STL CQ DP RAW .25 - 36 KSI YIELD	1.693 lbmass	07
200035074	4	37.148 lbmass	Door Component Steel Stiffener, Bar	100007736	SHT STL CQ DP RAW .25 - 36 KSI YIELD	9.287 lbmass	08
200035094	1	18.718 lbmass	TRENCH DOOR ANGLE	100007735	STL ASTM A36 SM-HRPO RAW .250	18.718 lbmass	09



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MATERIAL FINISH: Galvanized	Infrastructure JENSEN 527 Dunn Circle, Sparks, NV 89431 775-352-2716 FAX: 755-358-8127 *JENSENMETALTECH.COM*	©2025 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: 100007604 TRDAS1-SD-2435-D2-DP-G-BD-SP-NVE-BW-NVE ELECTRIC-END	REV: A
MATERIAL SURFACE: Diamond Plate			WEIGHT: 128.57 Lbs CREATED: 1/27/2020	DRAWN BY: E. Massey MODIFIED: 6/12/2025	SHEET: 5



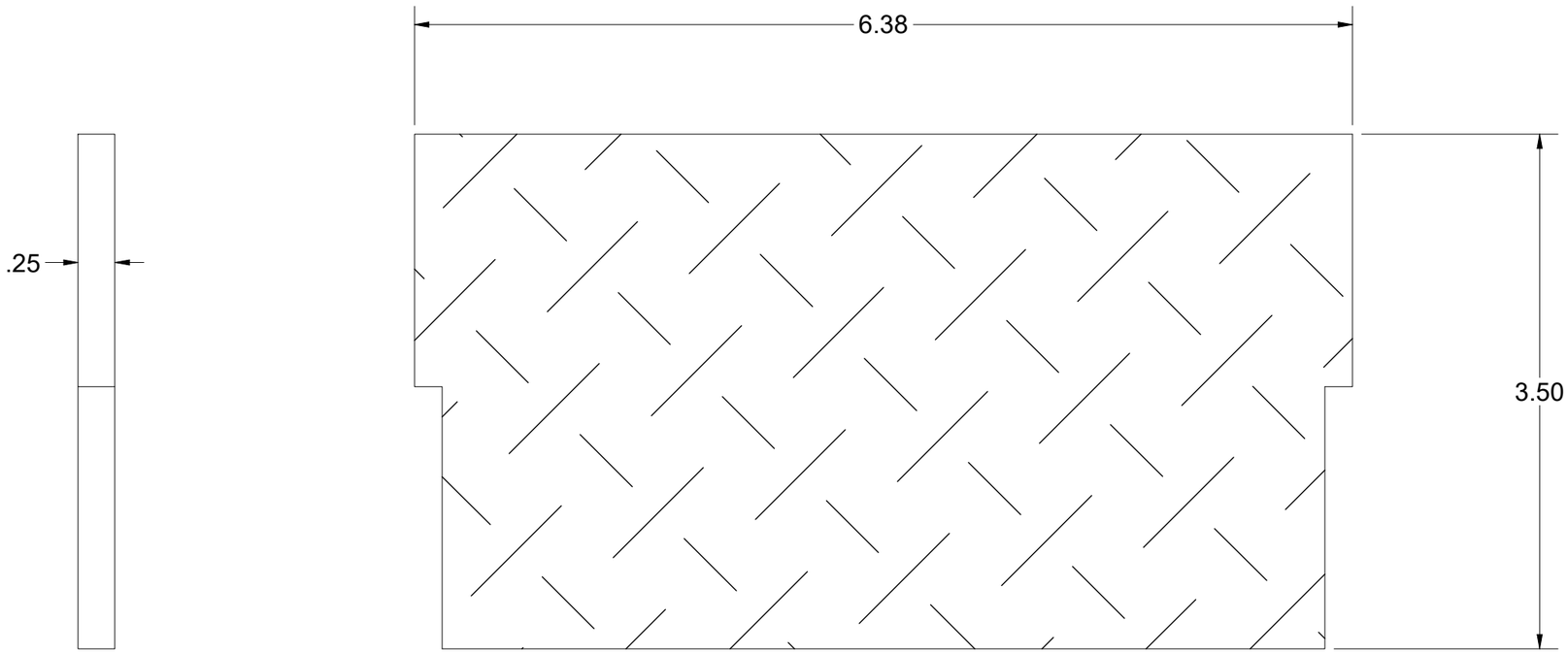
100007604.idw

BEND TABLE				MATERIAL IFS: 100007736			
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.25			
-	-	- 0	-	MAT DESCRIPTION: SHT STL CQ DP RAW .25 - 36 KSI YIELD			

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NAME & DESCRIPTION: 200035075 Door Component Steel Plate, Top		REV: A
WEIGHT: 65.374 lbmass	DRAWN BY: E. Massey	SHEET: 6 OF 9
CREATED: 1/27/2020	MODIFIED: 6/12/2025	



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: 200035073
Door Component Steel Side Bar

REV: A

WEIGHT: 1.693 lbmass

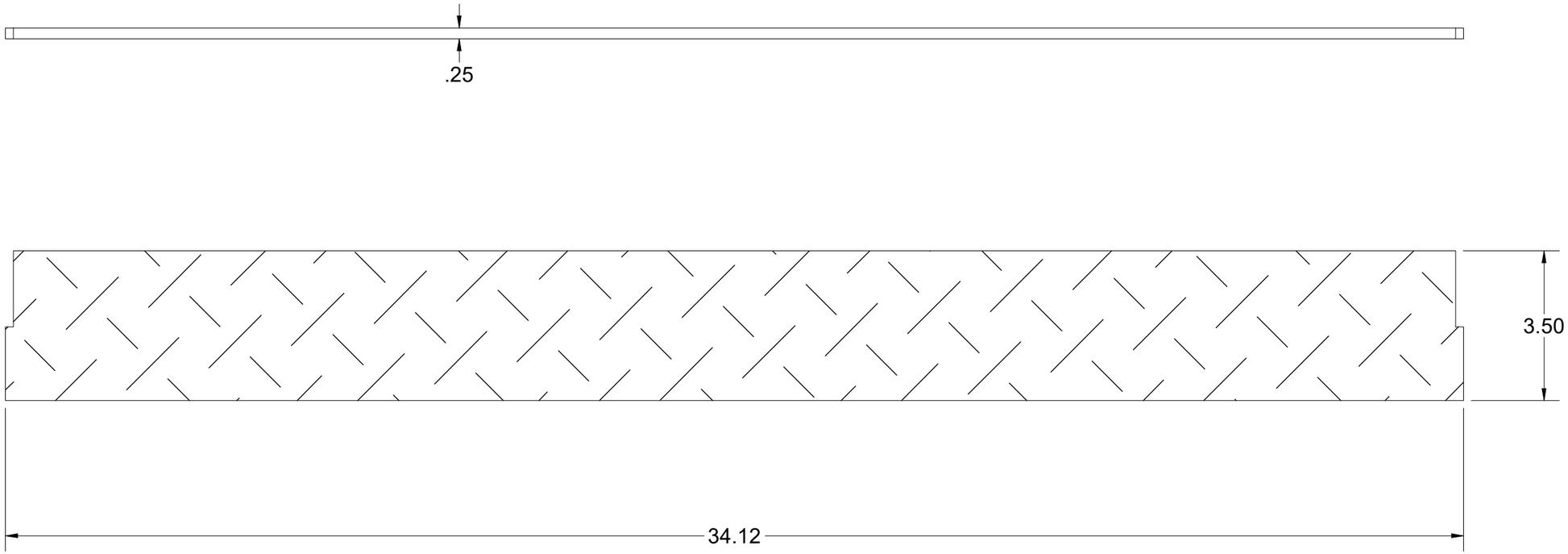
DRAWN BY: E. Massey

SHEET: 7 OF 9

CREATED: 1/27/2020

MODIFIED: 6/12/2025

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BEND TABLE				MATERIAL IFS: 100007736
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.25
-	-	- 0	-	MAT DESCRIPTION: SHT STL CQ DP RAW .25 - 36 KSI YIELD

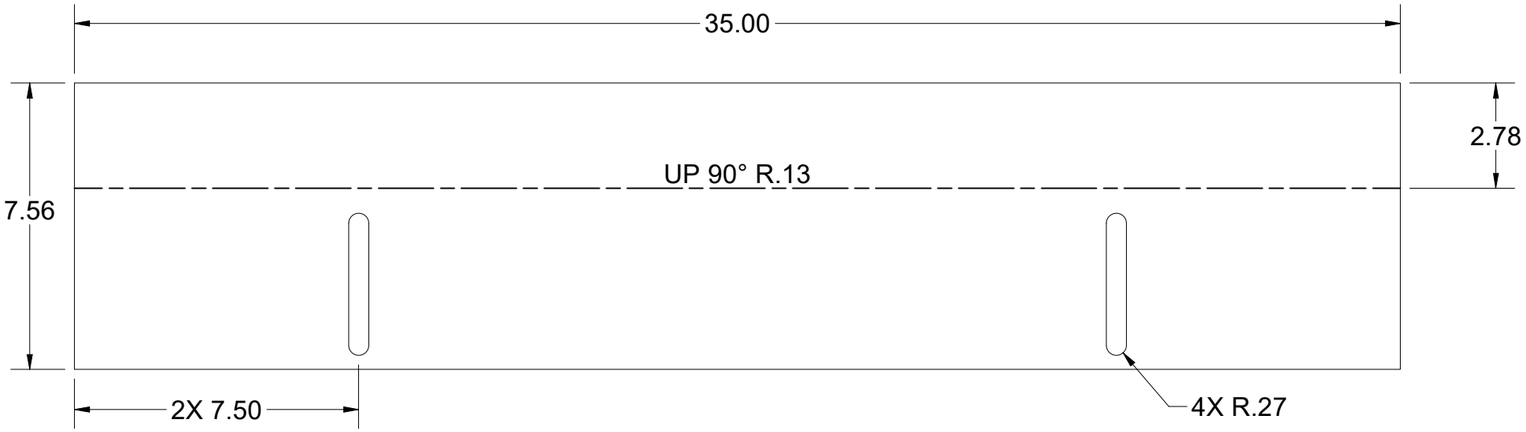
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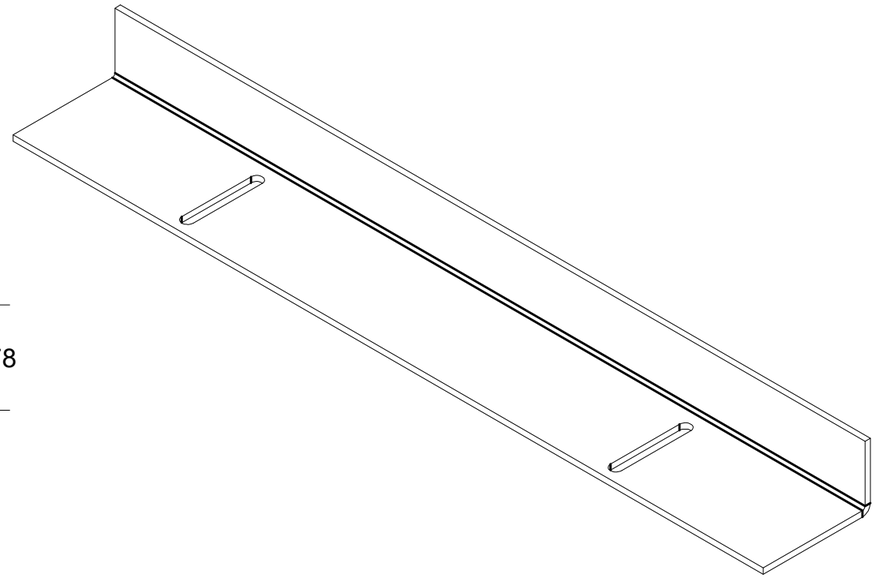
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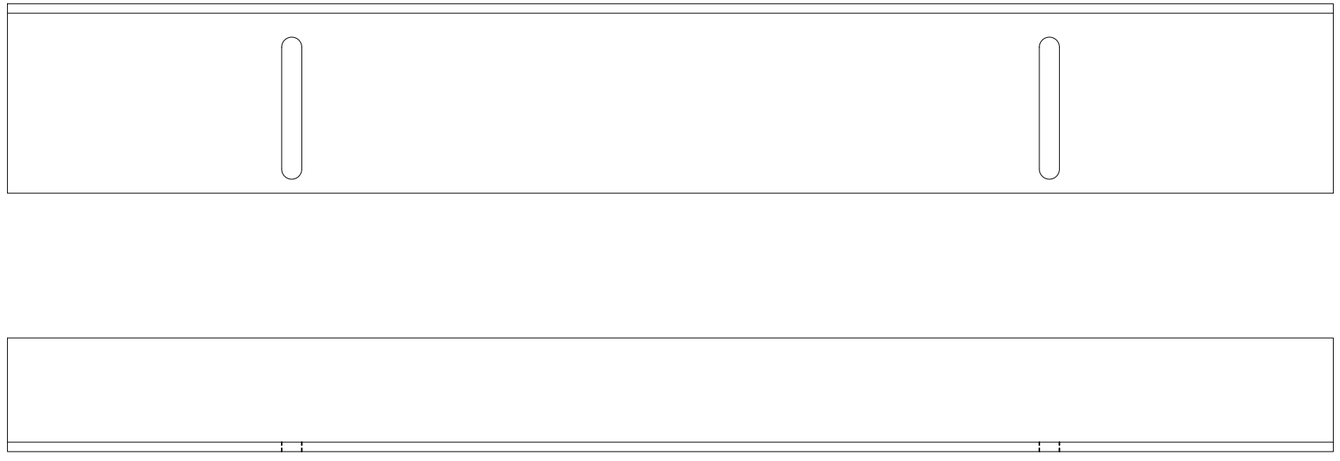
NAME & DESCRIPTION: 200035074 Door Component Steel Stiffener, Bar		REV: A
WEIGHT: 9.287 lbmass	DRAWN BY: E. Massey	SHEET: 8 OF 9
CREATED: 1/27/2020	MODIFIED: 6/12/2025	

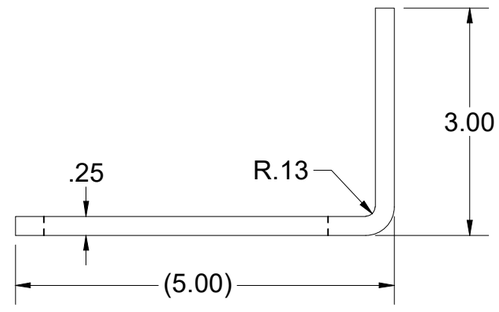
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SYMMETRIC









BEND TABLE			
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION
0.125	2	90	0.44

MATERIAL IFS: 100007735

MATERIAL THK: 0.25

MAT DESCRIPTION: STL ASTM A36 SM-HRPO RAW .250

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NAME & DESCRIPTION: 200035094 TRENCH DOOR ANGLE

REV: A

WEIGHT: 18.718 lbmass

DRAWN BY: E. Massey

SHEET: 9 OF 9

CREATED: 1/27/2020

MODIFIED: 6/12/2025

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