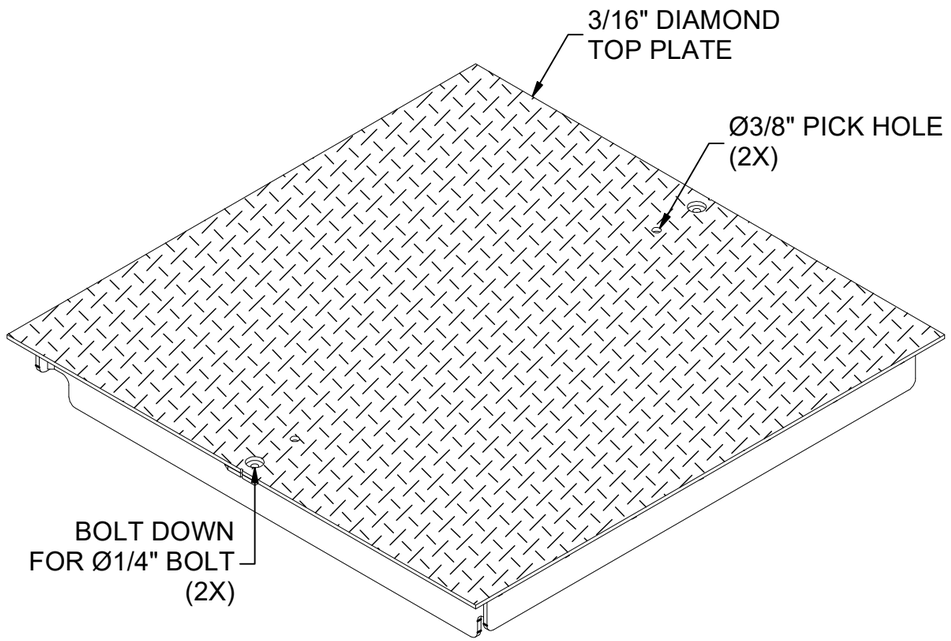
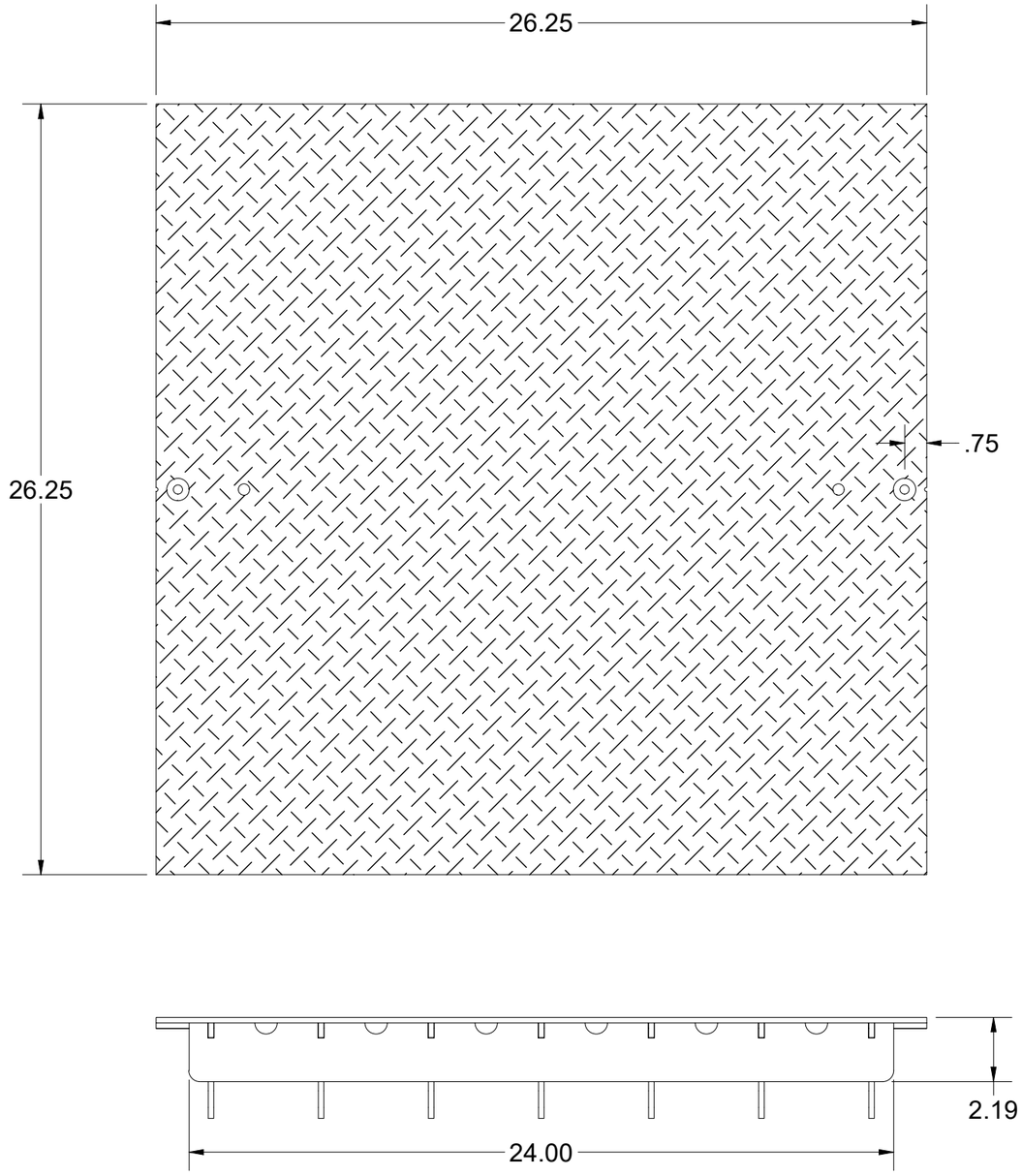
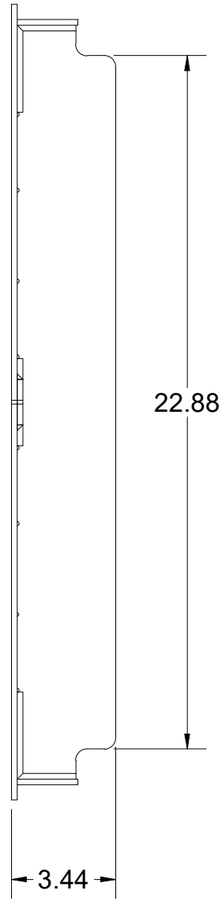






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LOADING CRITERIA: ASTM C1802 Load Level 05

16,000 lb load on 10" x 20" footprint, with 30% impact restricted to unrestricted parking lanes and alleyways where traffic speed is limited to 15 miles per hour.

SURFACE:	Diamond Plate	FINISH:	Galvanized
WEIGHT:	75.28 lbs	MARKING:	None

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DESCRIPTION: DAS1-SD-2424-D5-DP-G-BD-BRKS

24x24 Standard Door Assembly (Loading Criteria Per ASTM C1802 Load Level 05, Single Door, Steel, Drop In, N/A, Diamond Plate, Galvanized BRKS)

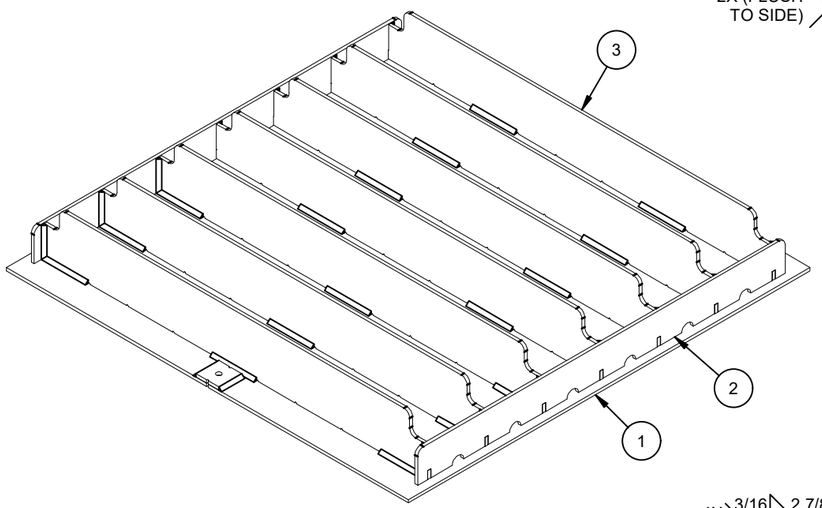
PART NUMBER:	100025910	DRAWN BY:	M. Newman
CREATED:	9/4/2024	MODIFIED:	6/17/2025

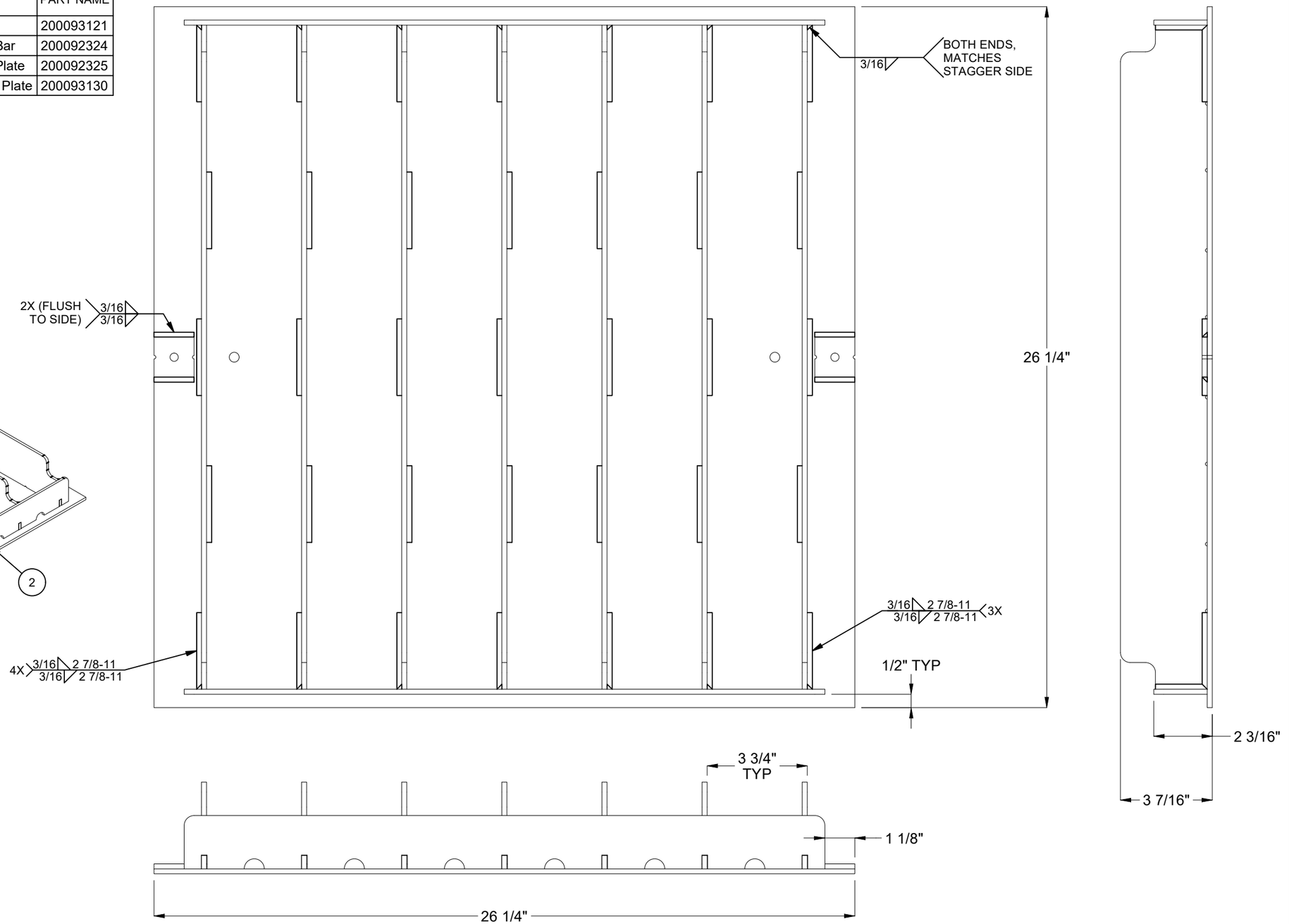
REV: B-1

SHEET: 1

BILL OF MATERIALS

ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	1	23.985 lbmass	100007814	Door Component Steel Plate, Top	200093121
2	2	2.951 lbmass	100007734	Door Component Steel Stiffener, Bar	200092324
3	7	15.300 lbmass	100007734	Door Component Steel Stiffener, Plate	200092325
4	2	0.227 lbmass	100007734	Door Component Steel Bolt Down Plate	200093130





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REVISION HISTORY		
DESCRIPTION	DATE	REVISED BY
INCREASED BEARING HEIGHT BY 7/16" AND UPDATED WELDS	6/17/2025	M. Newman

MATERIAL FINISH: Galvanized

MATERIAL SURFACE: Diamond Plate

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PART NUMBER & DESCRIPTION: 100025910 DAS1-SD-2424-D5-DP-G-BD-BRKS

REV: B-1

WEIGHT: 75.28 Lbs

DRAWN BY: M. Newman

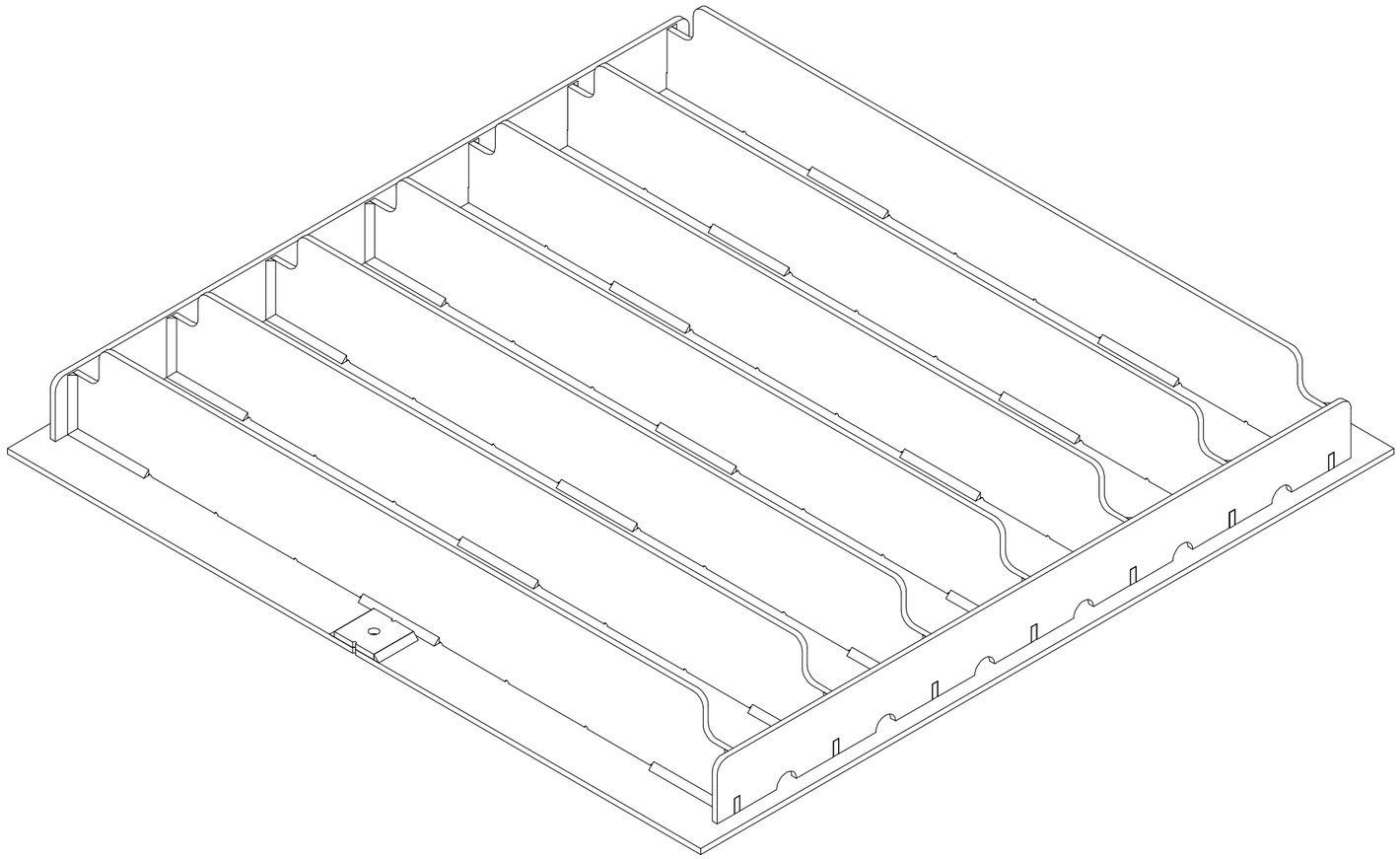
CREATED: 9/4/2024

MODIFIED: 6/17/2025

SHEET: 2

BURN LIST - BOM

PART NAME	ITEM QTY	QTY	DESCRIPTION	STOCK NUMBER	MATERIAL	MASS	SHEET
200093121	1	23.985 lbmass	Door Component Steel Plate, Top	100007814	SHT STL CQ DP RAW .1875 - 36 KSI YIELD	40.348 lbmass	04
200092324	2	2.951 lbmass	Door Component Steel Stiffener, Bar	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	2.437 lbmass	05
200092325	7	15.300 lbmass	Door Component Steel Stiffener, Plate	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	4.167 lbmass	06
200093130	2	0.227 lbmass	Door Component Steel Bolt Down Plate	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	0.115 lbmass	07



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MATERIAL FINISH: Galvanized

MATERIAL SURFACE: Diamond Plate

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PART NUMBER & DESCRIPTION: 100025910 DAS1-SD-2424-D5-DP-G-BD-BRKS

REV: B-1

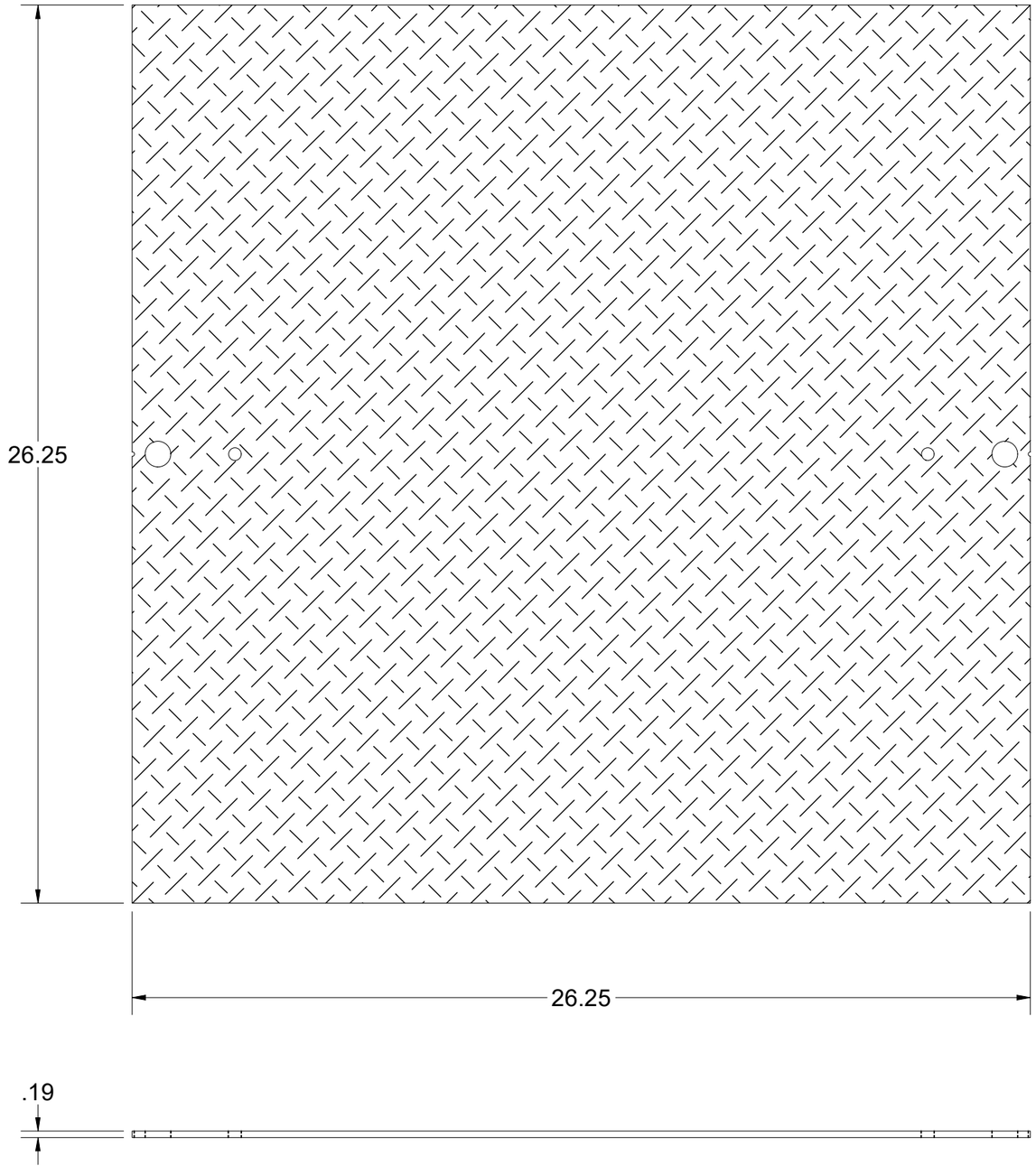
WEIGHT: 75.28 Lbs

DRAWN BY: M. Newman

SHEET: 3

CREATED: 9/4/2024

MODIFIED: 6/17/2025



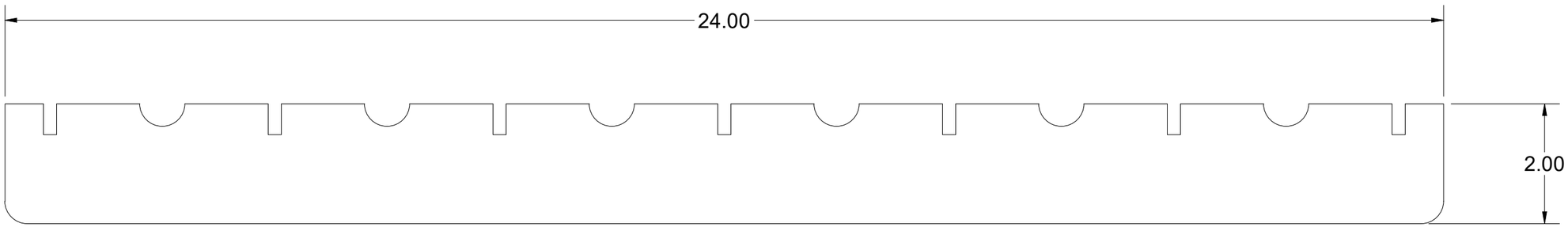
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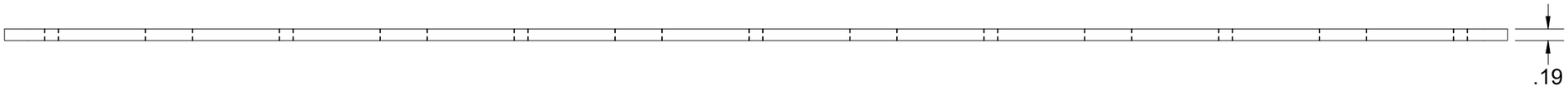
BEND TABLE				MATERIAL IFS: 100007814
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.1875
-	-	-	-	MAT DESCRIPTION: SHT STL CQ DP RAW .1875 - 36 KSI YIELD

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NAME & DESCRIPTION: 200093121 Door Component Steel Plate, Top		REV: B-1
WEIGHT: 40.348 lbmass	DRAWN BY: M. Newman	SHEET: 4 OF 7
CREATED: 9/4/2024	MODIFIED: 6/17/2025	





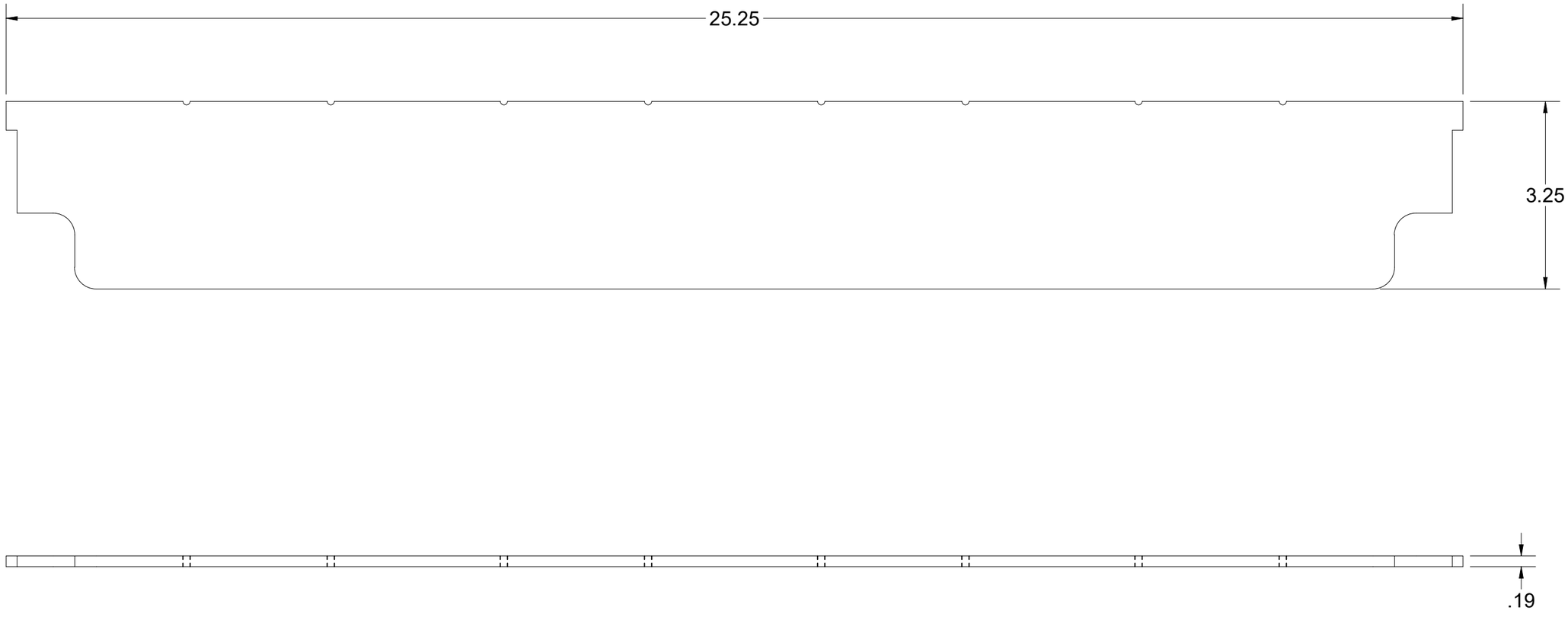
BEND TABLE				MATERIAL IFS: 100007734
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.1875
-	-	-	-	MAT DESCRIPTION: STL ASTM A36 SM-HRPO 60X120 RAW .1875

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NAME & DESCRIPTION: 200092324 Door Component Steel Stiffener, Bar		REV: B-1
WEIGHT: 2.437 lbmass	DRAWN BY: M. Newman	SHEET: 5 OF 7
CREATED: 9/4/2024	MODIFIED: 6/17/2025	

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

MATERIAL IFS: 100007734

MATERIAL THK: 0.1875

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

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NAME & DESCRIPTION: 200092325
Door Component Steel Stiffener, Plate

REV: B-1

WEIGHT: 4.167 lbmass

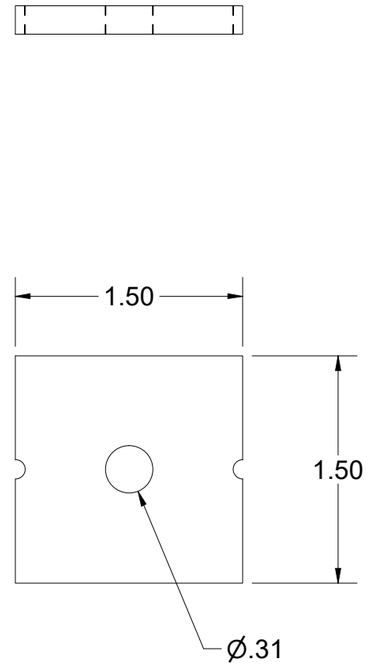
DRAWN BY: M. Newman

CREATED: 9/4/2024

MODIFIED: 6/17/2025

SHEET: 6 OF 7

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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: 200093130 Door Component Steel Bolt Down Plate		REV: B-1
WEIGHT: 0.115 lbmass	DRAWN BY: M. Newman	SHEET: 7 OF 7
CREATED: 9/4/2024	MODIFIED: 6/17/2025	

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