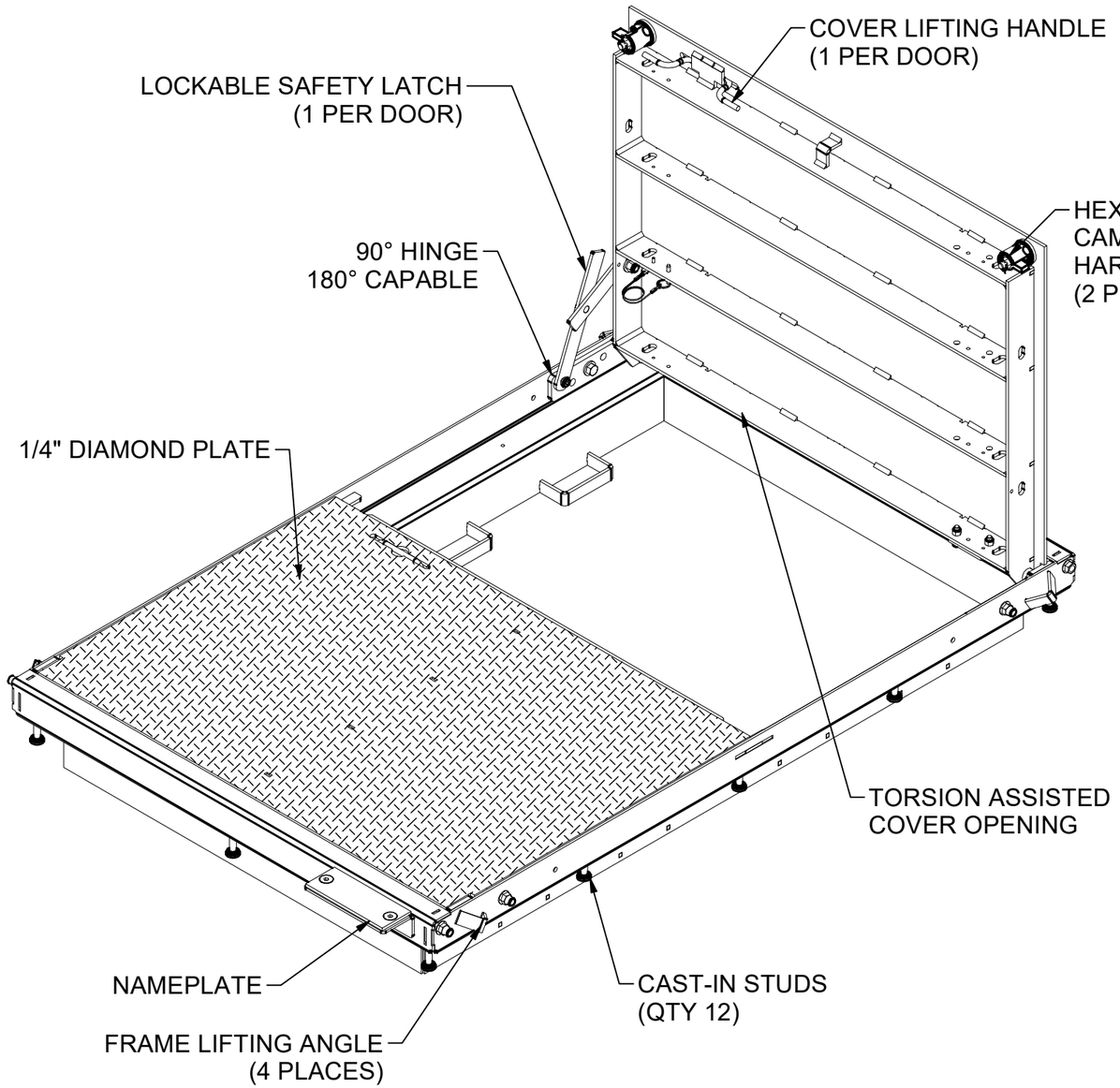
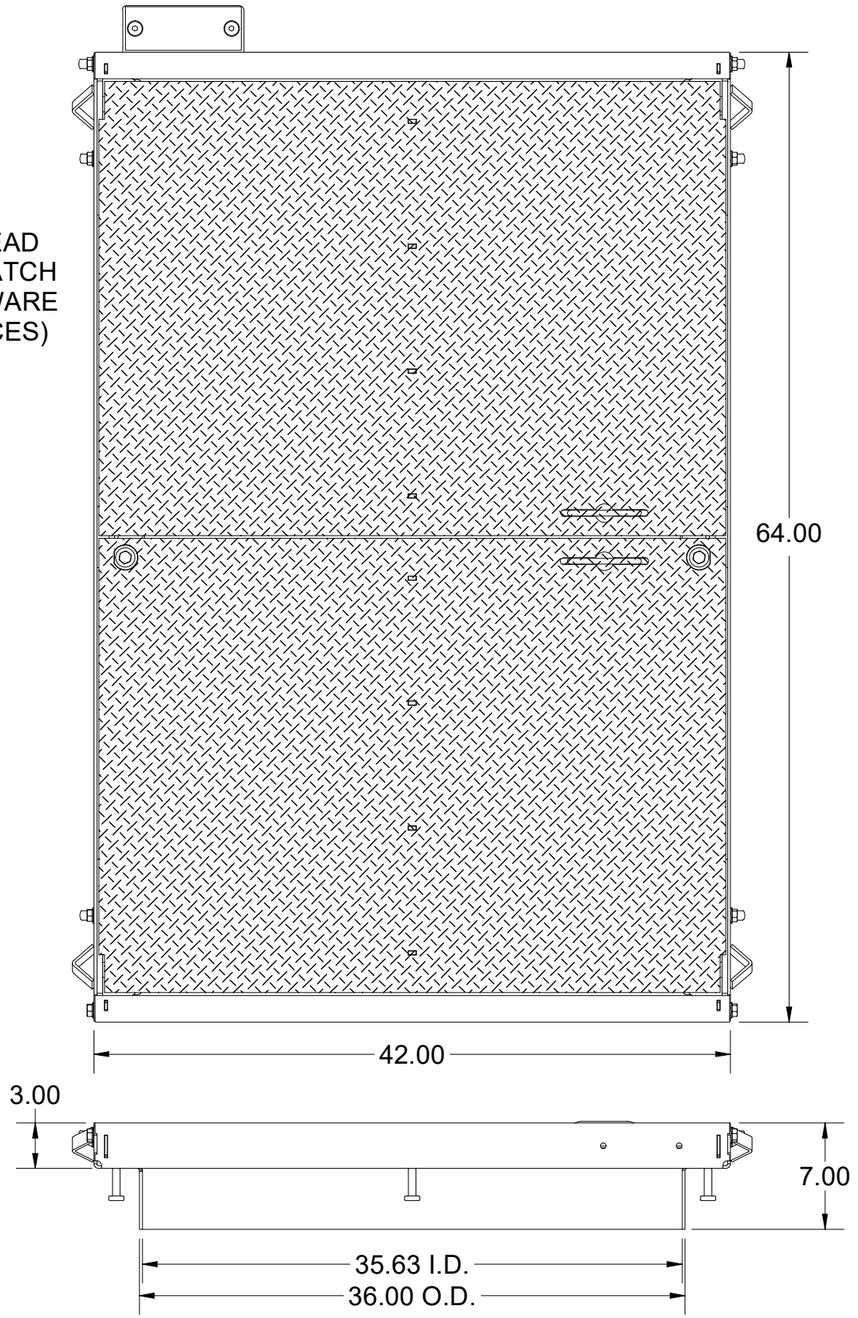
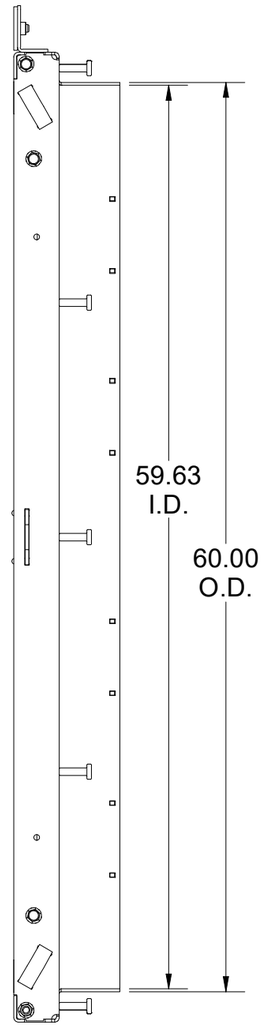






100002316.idw

DESIGNED FOR ROBOT WELDING

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:	413.91 lbs	MARKING:	

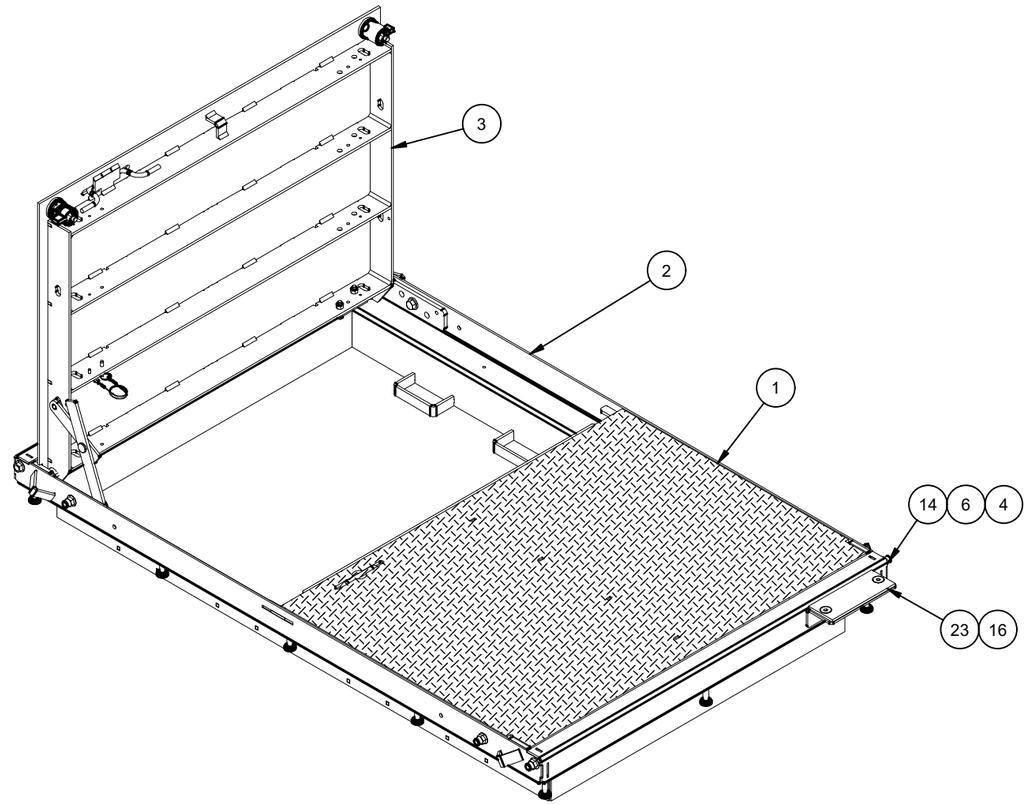
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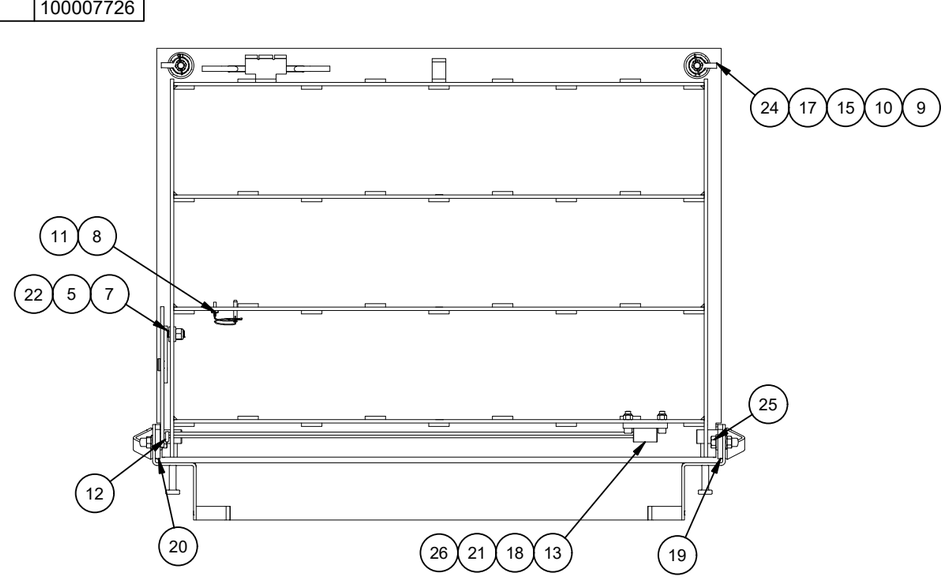
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DESCRIPTION:	CAS2-3660-CH2-DP-G-LL-SP-NVE-OH07	REV:	D-2
	36x60 Cover Assembly (Loading Criteria Per ASTM C1802 Load Level 02, , Steel, Hinged, Handle (1 Per Door), Diamond Plate, Galvanized , Ladder Loops, NV Energy) 07	SHEET:	1
PART NUMBER:	100002316	DRAWN BY:	M. Bouchard
CREATED:	7/11/2019	MODIFIED:	11/13/2026

BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	1	1	200056871	DAS2-B-3660-H2-DP-R-BD-ROBOT-STANDARD	200056871
2	1	1	200024083	FAS-3660-CH2-R-LL-SP-NVE-OH07-(ETOP)	200024083
3	1	1	200056870	DAS2-T-3660-H2-DP-R-BD-ROBOT-STANDARD	200056870
4	1	8	100026256	LOW-STRENGTH STEEL FLANGE NUT, 1/2" - 13 THREAD SIZE	100026256
5	1	6	100011418	WASHER FLAT 1/2 NARROW ZINC	100011418
6	1	8	100007939	CAP VINYL .467 X 1/2	100007939
7	1	2	100007933	SAFETY LATCH ASSY FOR UNI AND 90 D HINGE	100007933
8	1	1	100007924	LANYARD 3/64 W/PIN COATED SS	100007924
9	1	2	100007918	COTTER PIN 0.094DIA X 1-1/4	100007918
10	1	2	100007915	SPRING COMPRESSION 055 X 5/8 X 7/8 LONG	100007915
11	1	1	100007882	RIVET GRIP STEEL 3/16 X 7/16 LRG HD	100007882
12	1	1	100007876	Bolt Shoulder Socket Head - 3/8-16 UNC - SD-0.5" - SL-0.3125" - Grade 5 - Zinc	100007876
13	1	4	100007873	BOLT SOCKET CAP - 3/8-16 UNC - 1.25 - ZINC	100007873
14	1	4	100007869	BOLT SHCS 1/2-13 X 1-3/4 SS	100007869
15	1	2	100007857	NUT FINGER 1/2-13 BRASS	100007857
16	1	2	100007733	Bolt Socket Flat Countersunk Head - 1/2-13 UNC - Grade 5 - Zinc - FT - 1"	100007872
17	1	2	100007729	HEX NUT SLOTTED CASTLE HEAD 1/2-13 SS	100007729
18	1	2	100007670	SPRING MOUNT ASSY .438	100007671
19	1	2	100007666	Hinge Assembly, Right, Steel	100007666
20	1	2	100007657	Hinge Assembly, Left, 7/16, Steel	100007659
21	1	4	100007496	HEX NUT NYLOCK - 3/8-16 UNC - ZINC	100007496
22	1	1	100007492	HEX NUT NYLOCK - 1/2-13 UNC - GR5 - ZINC	100007492
23	1	1	100007391	NAME PLATE STEEL - BLANK	100007391
24	1	2	100005059	HEX BOLT .50-13 UNC 2.5 ZINC PLATED	100005059
25	1	4	100003823	Hex Bolt 1/2-13 UNC ZINC - PT - 1.5"	100003823
26	1	2	100007726	TORSION HEX ROD .4375 x 36in RAW	100007726





100002316.idw

REVISION HISTORY		
DESCRIPTION	DATE	REVISED BY
61865-1: MADE WELDS MATCH REF. DESIGN	11/13/2026	C. HEYWOOD

MATERIAL FINISH: Galvanized

MATERIAL SURFACE: Diamond Plate

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PART NUMBER & DESCRIPTION: 100002316 CAS2-3660-CH2-DP-G-LL-SP-NVE-OH07

REV: D-2

WEIGHT: 413.91 Lbs

DRAWN BY: M. Bouchard

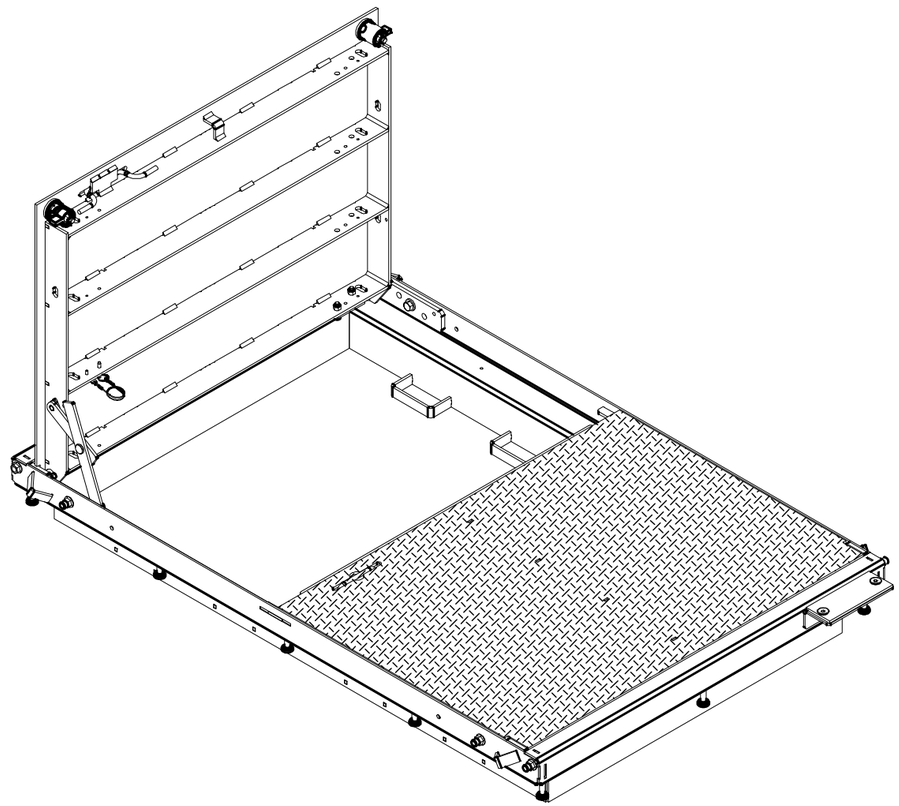
CREATED: 7/11/2019

MODIFIED: 11/13/2026

SHEET: 2

BURN LIST - BOM

PART NAME	ITEM QTY	QTY	DESCRIPTION	STOCK NUMBER	MATERIAL	MASS	SHEET
200087246	1	4.842 lbmass	Door Component Steel Lap Bar 36in, 2.5" Stiffener Offset	100007735	STL ASTM A36 SM-HRPO RAW .250	4.842 lbmass	07
200024084	2	42.284 lbmass	Frame Component Steel Frame End, Cast In	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	21.142 lbmass	08
200024085	2	63.619 lbmass	Frame Component Steel Frame Side, Cast In	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	31.809 lbmass	09
200056872	1	96.187 lbmass	Door Component Steel Plate, Top	100007736	SHT STL CQ DP RAW .25 - 36 KSI YIELD	96.187 lbmass	10
200056873	4	18.875 lbmass	Door Component Steel Side Bar	100007735	STL ASTM A36 SM-HRPO RAW .250	4.719 lbmass	11
200056874	8	55.567 lbmass	Door Component Steel Stiffener, Bar	100007735	STL ASTM A36 SM-HRPO RAW .250	6.946 lbmass	12
200056876	1	96.518 lbmass	Door Component Steel Plate, Bottom	100007736	SHT STL CQ DP RAW .25 - 36 KSI YIELD	96.518 lbmass	13



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MATERIAL FINISH: Galvanized

MATERIAL SURFACE: Diamond Plate

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PART NUMBER & DESCRIPTION: 100002316
CAS2-3660-CH2-DP-G-LL-SP-NVE-OH07

REV: D-2

WEIGHT: 413.91 Lbs

DRAWN BY: M. Bouchard

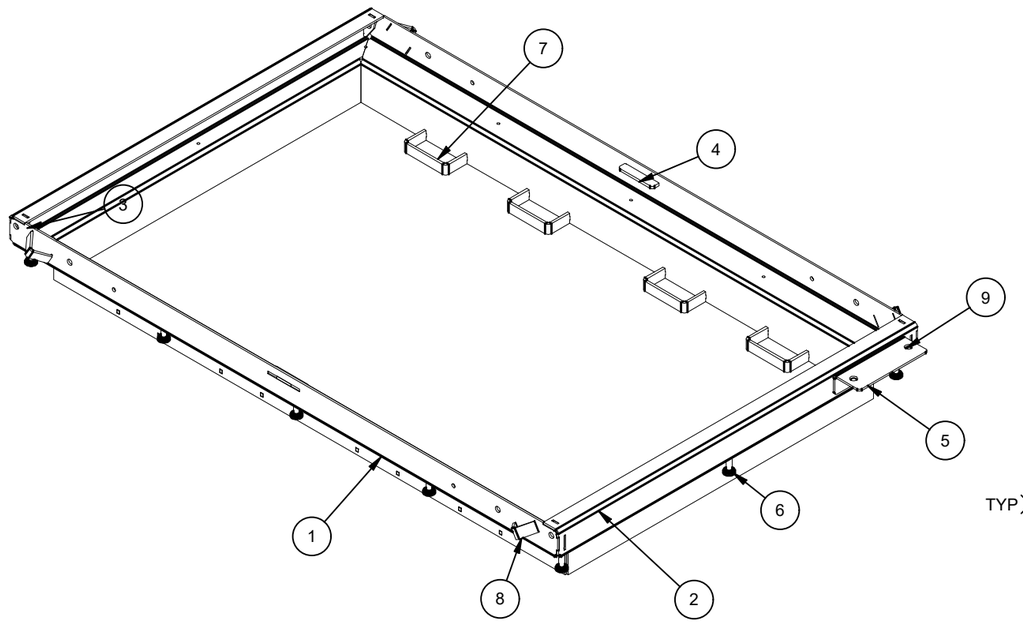
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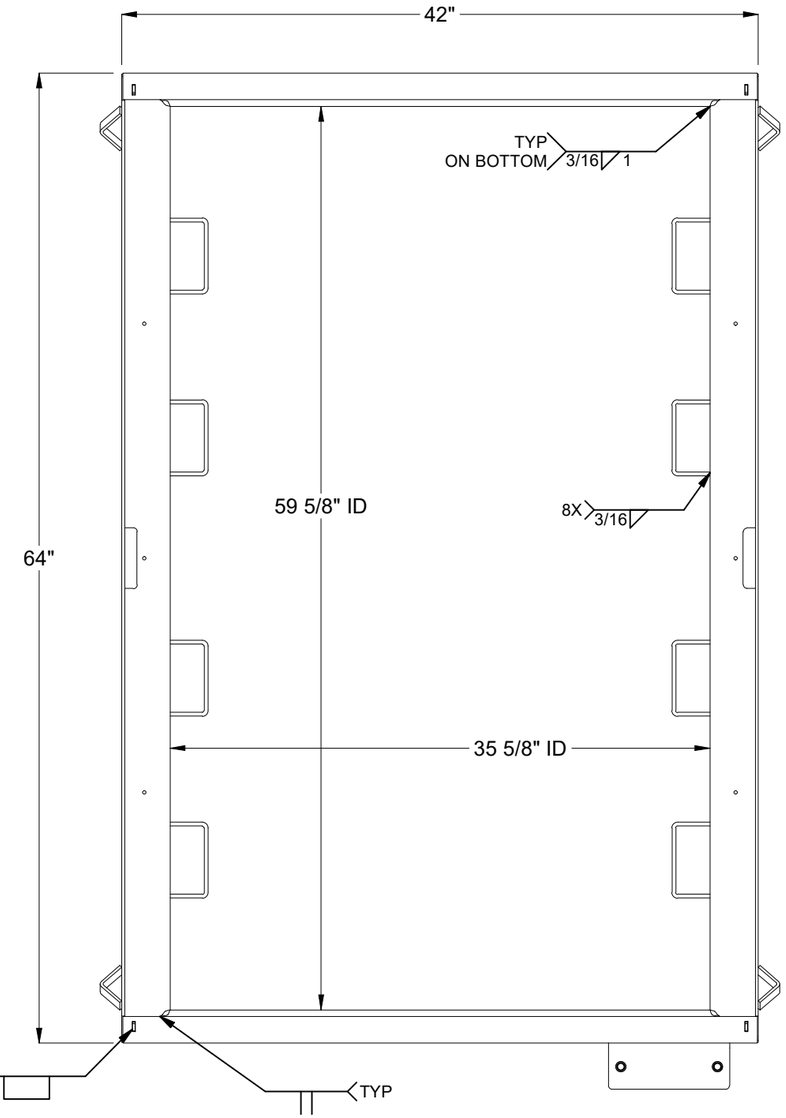
MODIFIED: 11/13/2026

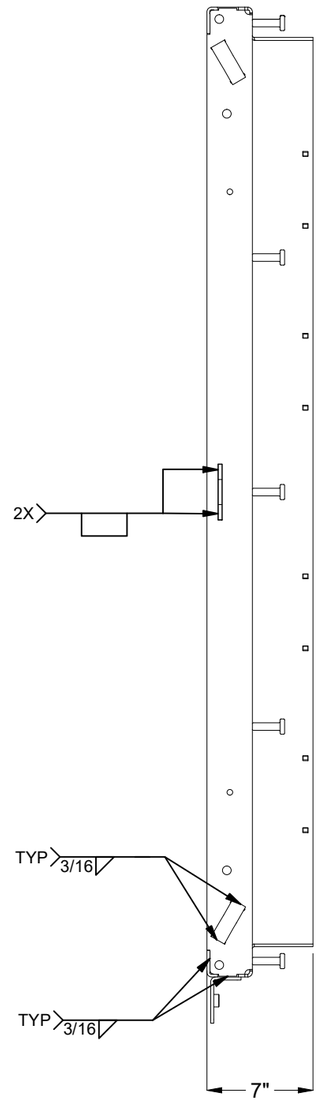
SHEET: 3

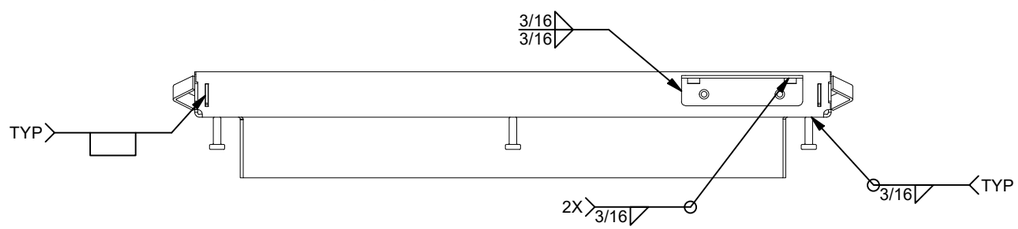
BILL OF MATERIALS

ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	2	63.619 lbmass	100007734	Frame Component Steel Frame Side, Cast In	200024085
2	2	42.284 lbmass	100007734	Frame Component Steel Frame End, Cast In	200024084
3	4	4	200018691	FRAME BOLT DOUBLER SLOT	200018691
4	2	2	100007735	Frame Cam Latch Catch Plate - 1/4" A36, Dual Door, 0.8125" Overhang	200100755
5	1	1	100007667	NAME PLATE FRAME ANGLE	100007667
6	12	12	100007889	STUD NELSON WELD H4L-HEADED A36 1/2X2-1/8	100007889
7	8	8	100007683	Ladder Loop - Standard, Steel	100007683
8	4	4	100007641	FRAME LIFTING BRACKET	100007641
9	2	2	100007728	NUT SELF-CLINCH 1/2-13 S-0813-1 RAW	100007728







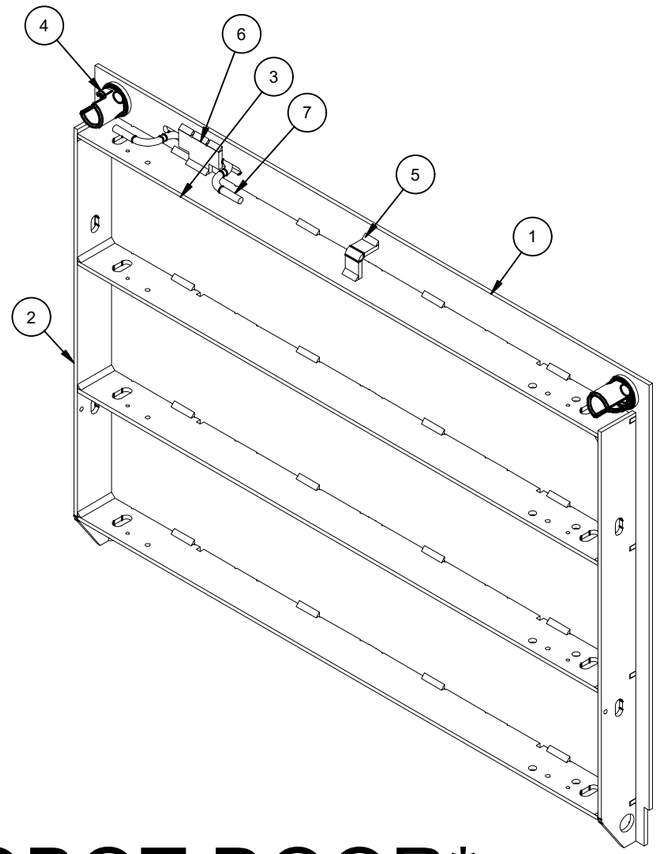


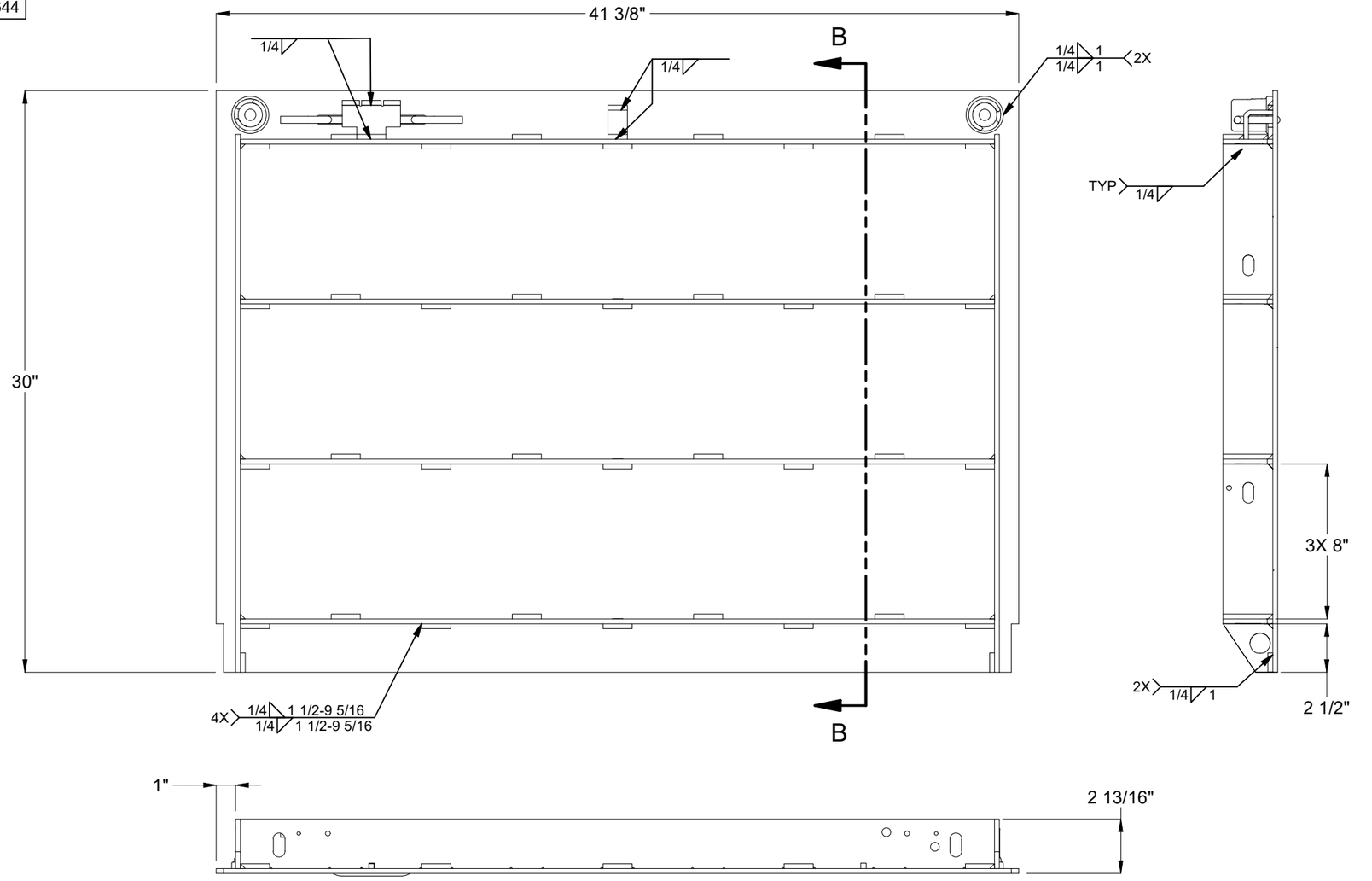
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MATERIAL FINISH: Raw	Infrastructure JENSEN 527 Dunn Circle, Sparks, NV 89431 775-352-2716 FAX: 755-358-8127 *JENSENMETALTECH.COM*	©2026 Jensen Infrastructure - All rights reserved. All materials appearing as Jensen Infrastructure documents and the 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: 200024083 FAS-3660-CH2-R-LL-SP-NVE-OH07-(ETOP)	REV: D-2
MATERIAL SURFACE: Smooth			WEIGHT: 116.76 Lbs CREATED: 7/11/2019	DRAWN BY: M. Bouchard MODIFIED: 11/13/2026	SHEET: 4

BILL OF MATERIALS

ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	1	96.187 lbmass	100007736	Door Component Steel Plate, Top	200056872
2	2	9.438 lbmass	100007735	Door Component Steel Side Bar	200056873
3	4	27.784 lbmass	100007735	Door Component Steel Stiffener, Bar	200056874
4	2	2	100007970	CAM TOWER CAST STEEL	100007970
5	1	1	100007647	LIFTING BRACKET STEEL LEAF	100007647
6	1	1	100007646	HANDLE RETAINER STL	100007646
7	1	1	100007644	LEAF PULL HANDLE A36 3/8IN DIAMETER	100007644





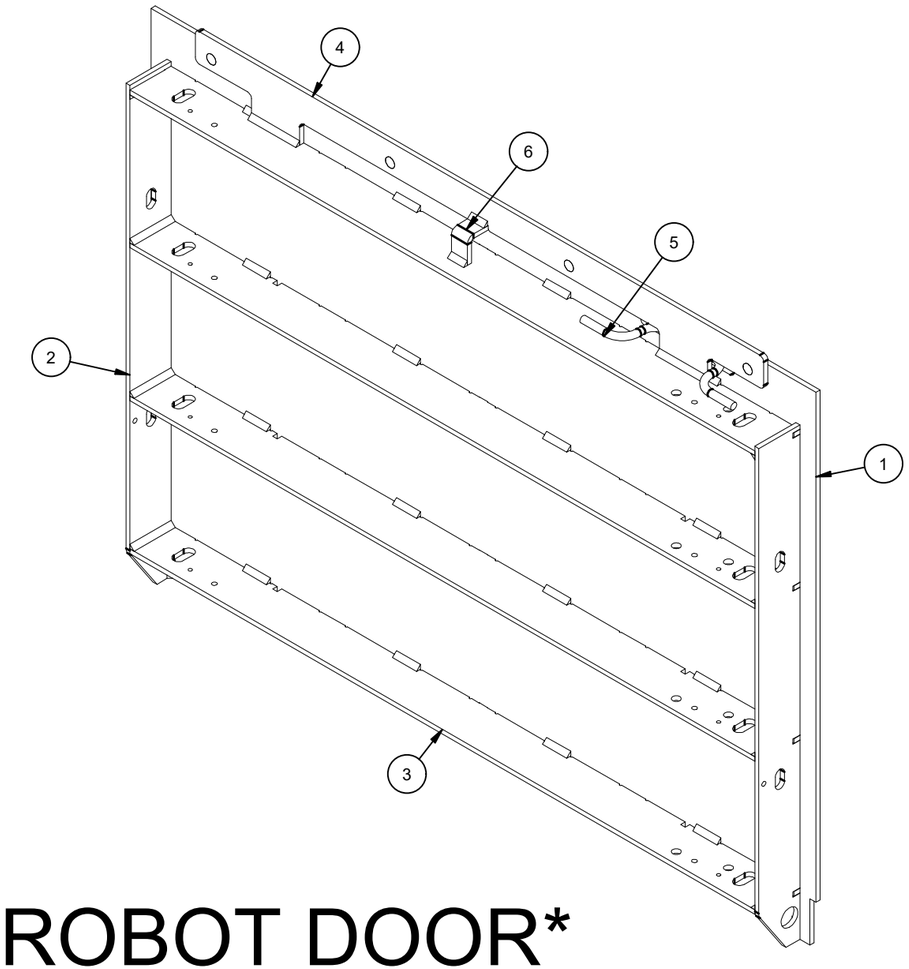
ROBOT DOOR
100iB-1:60-61
100iB-2:43-62
Sys 55:39

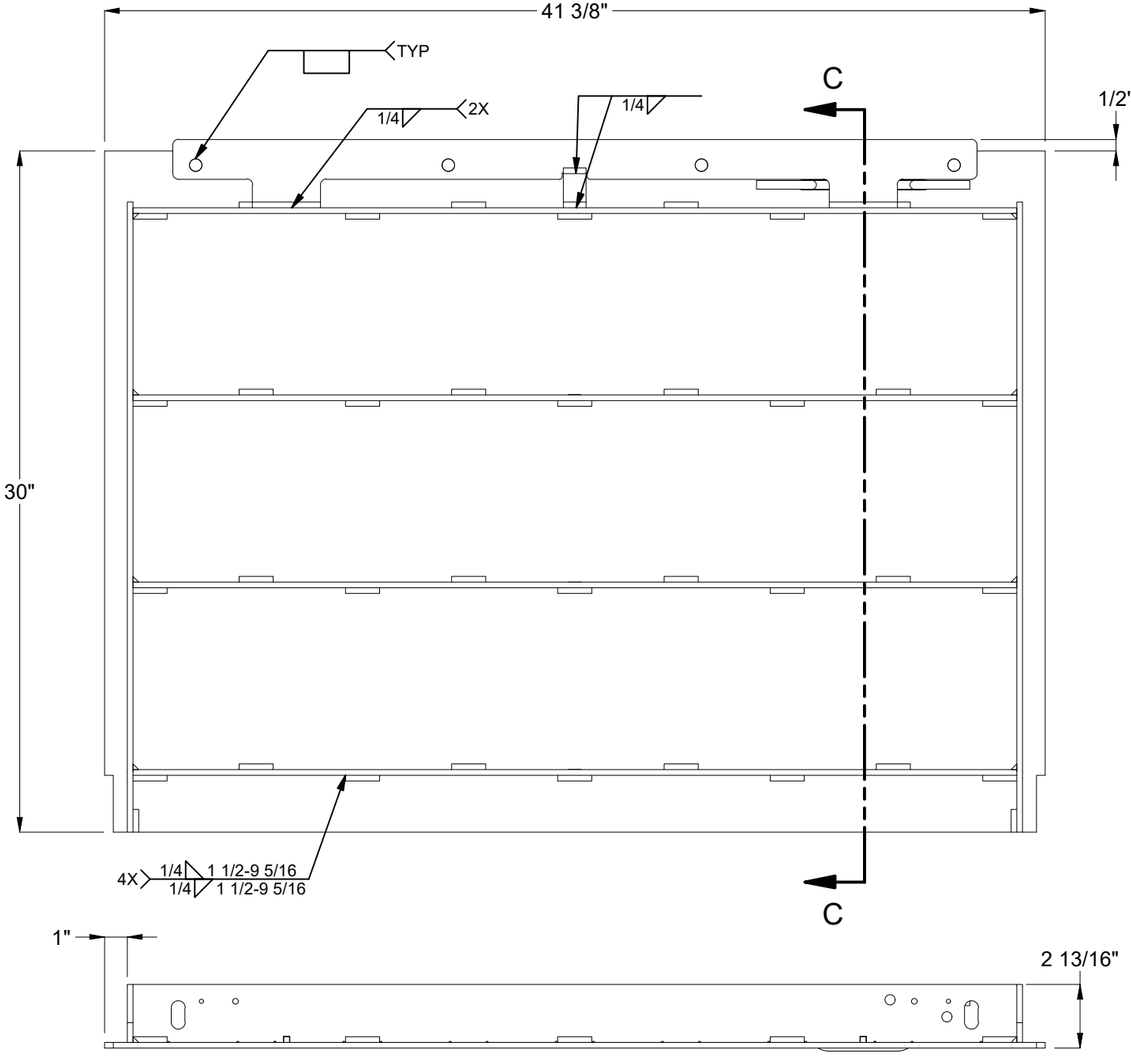
MATERIAL FINISH: Raw	Infrastructure JENSEN 527 Dunn Circle, Sparks, NV 89431 775-352-2716 FAX: 755-358-8127 *JENSENMETALTECH.COM*	©2026 Jensen Infrastructure - All rights reserved. All materials appearing as Jensen Infrastructure documents and the like are proprietary work product and are protected under 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: 200056870 DAS2-T-3660-H2-DP-R-BD-ROBOT-STANDARD	REV: D-2
MATERIAL SURFACE: Diamond Plate			WEIGHT: 135.39 Lbs CREATED: 7/11/2019	DRAWN BY: M. Bouchard MODIFIED: 11/13/2026	SHEET: 5

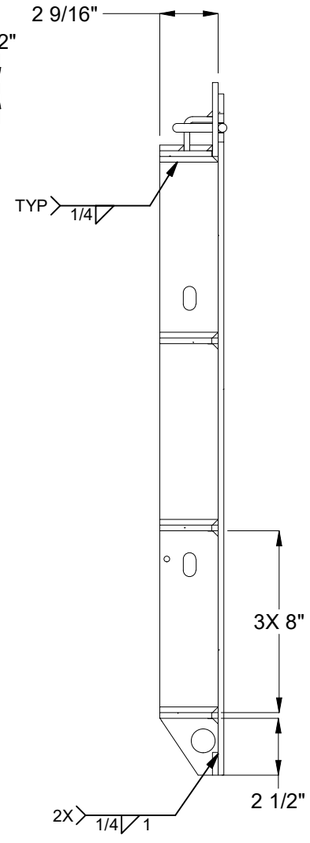
100002316.idw

BILL OF MATERIALS

ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	1	96.518 lbmass	100007736	Door Component Steel Plate, Bottom	200056876
2	2	9.438 lbmass	100007735	Door Component Steel Side Bar	200056873
3	4	27.784 lbmass	100007735	Door Component Steel Stiffener, Bar	200056874
4	1	4.842 lbmass	100007735	Door Component Steel Lap Bar 36in, 2.5" Stiffener Offset	200087246
5	1	1	100007644	LEAF PULL HANDLE A36 3/8IN DIAMETER	100007644
6	1	1	100007647	LIFTING BRACKET STEEL LEAF	100007647



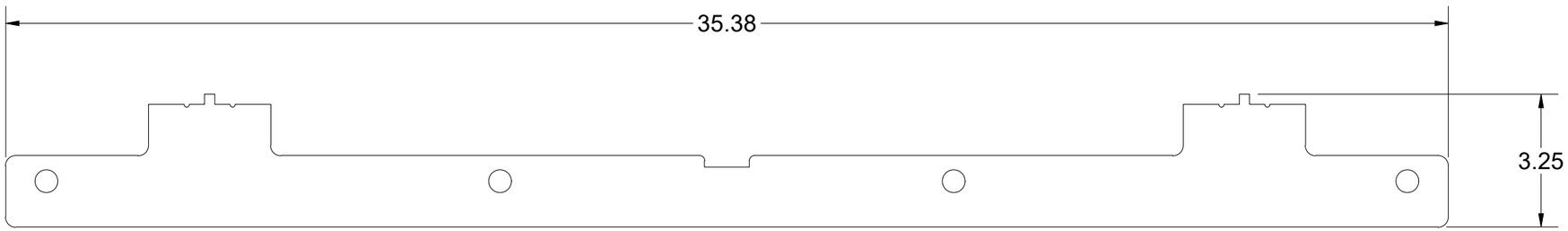


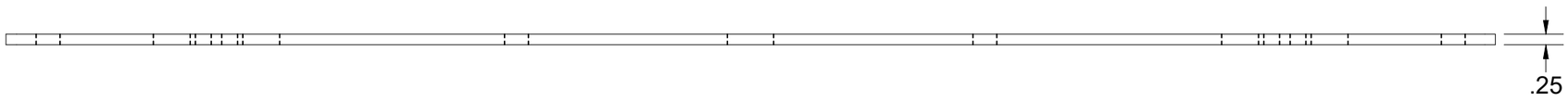


100002316.idw

ROBOT DOOR
100iB-1:60-61
100iB-2:43-62
Sys 55:39

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MATERIAL SURFACE: Diamond Plate			WEIGHT: 139.63 Lbs CREATED: 7/11/2019	DRAWN BY: M. Bouchard MODIFIED: 11/13/2026	SHEET: 6





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

MATERIAL IFS: 100007735

MATERIAL THK: 0.25

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

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NAME & DESCRIPTION: 200087246
Door Component Steel Lap Bar 36in, 2.5" Stiffener Offset

REV: D-2

WEIGHT: 4.842 lbmass

DRAWN BY: M. Bouchard

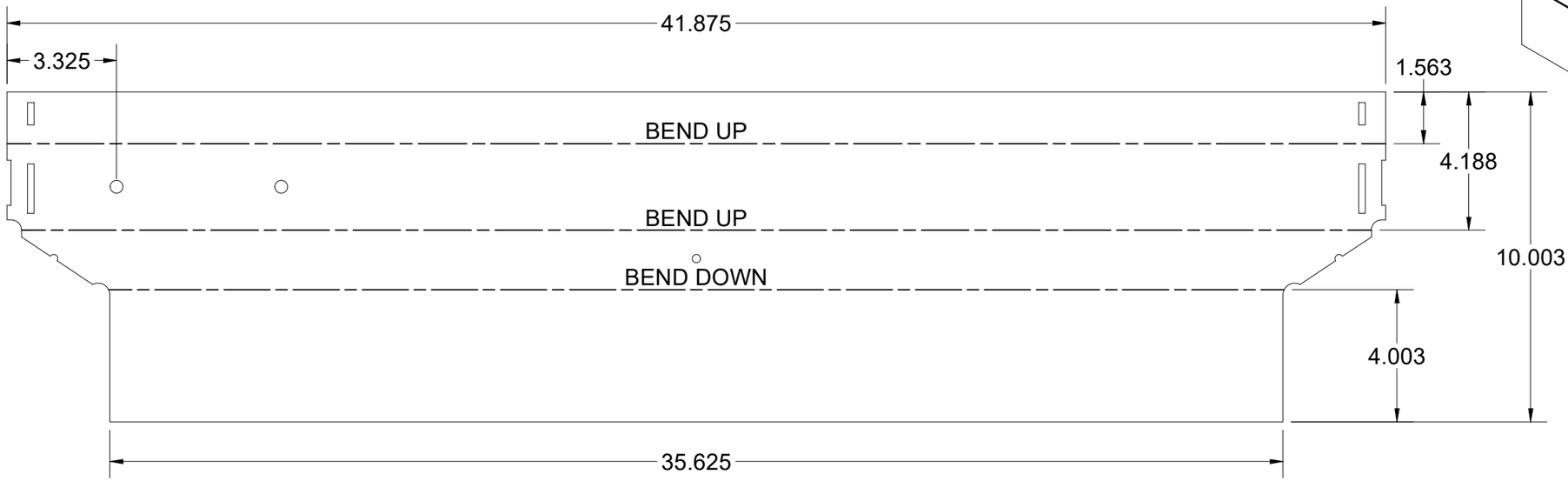
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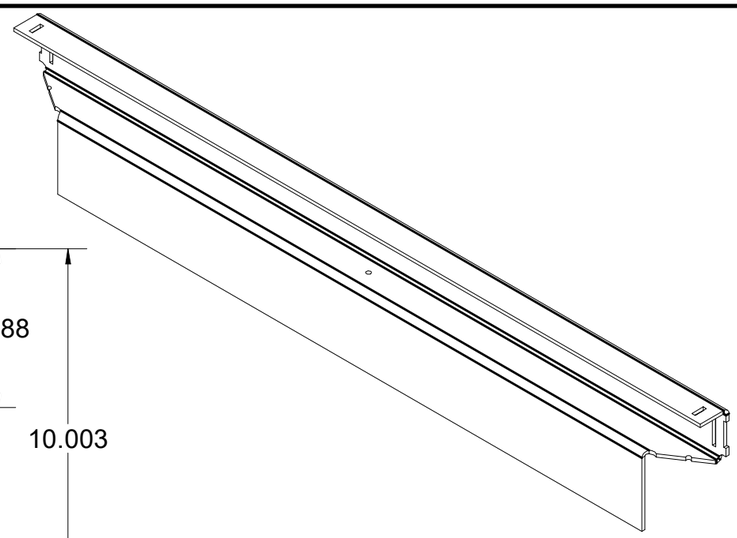
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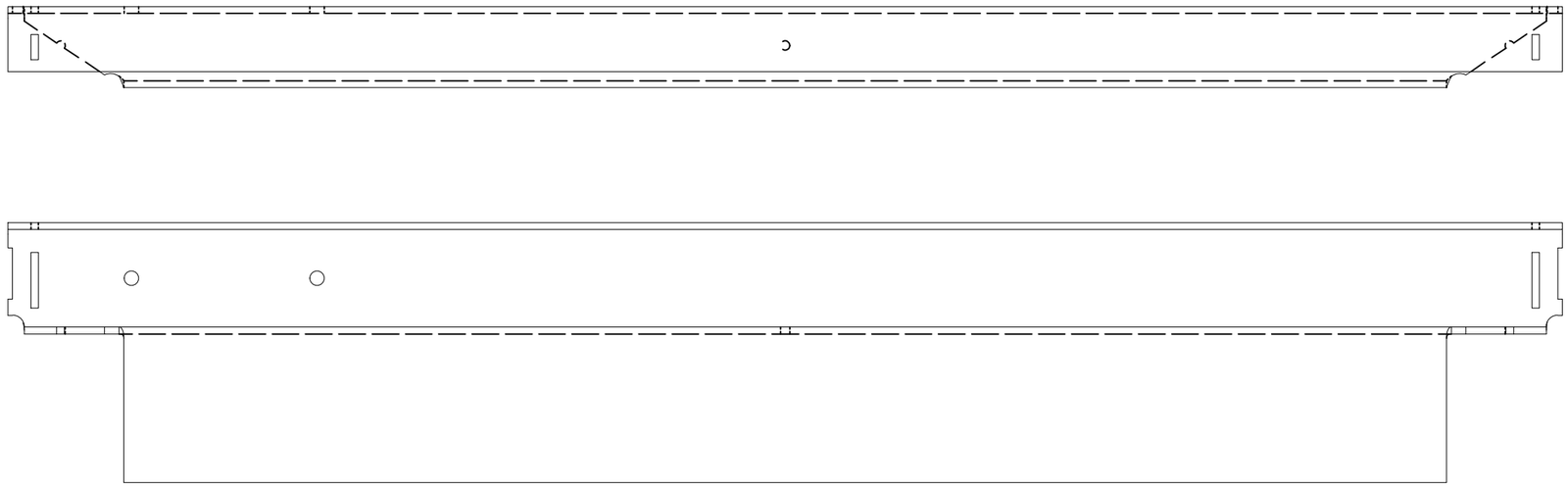
SHEET: 7 OF 13

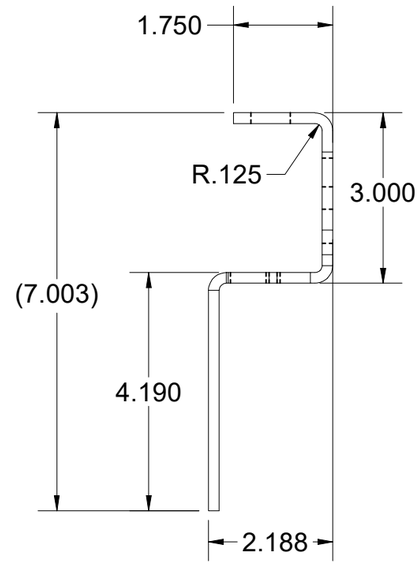
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NON-SYMMETRIC









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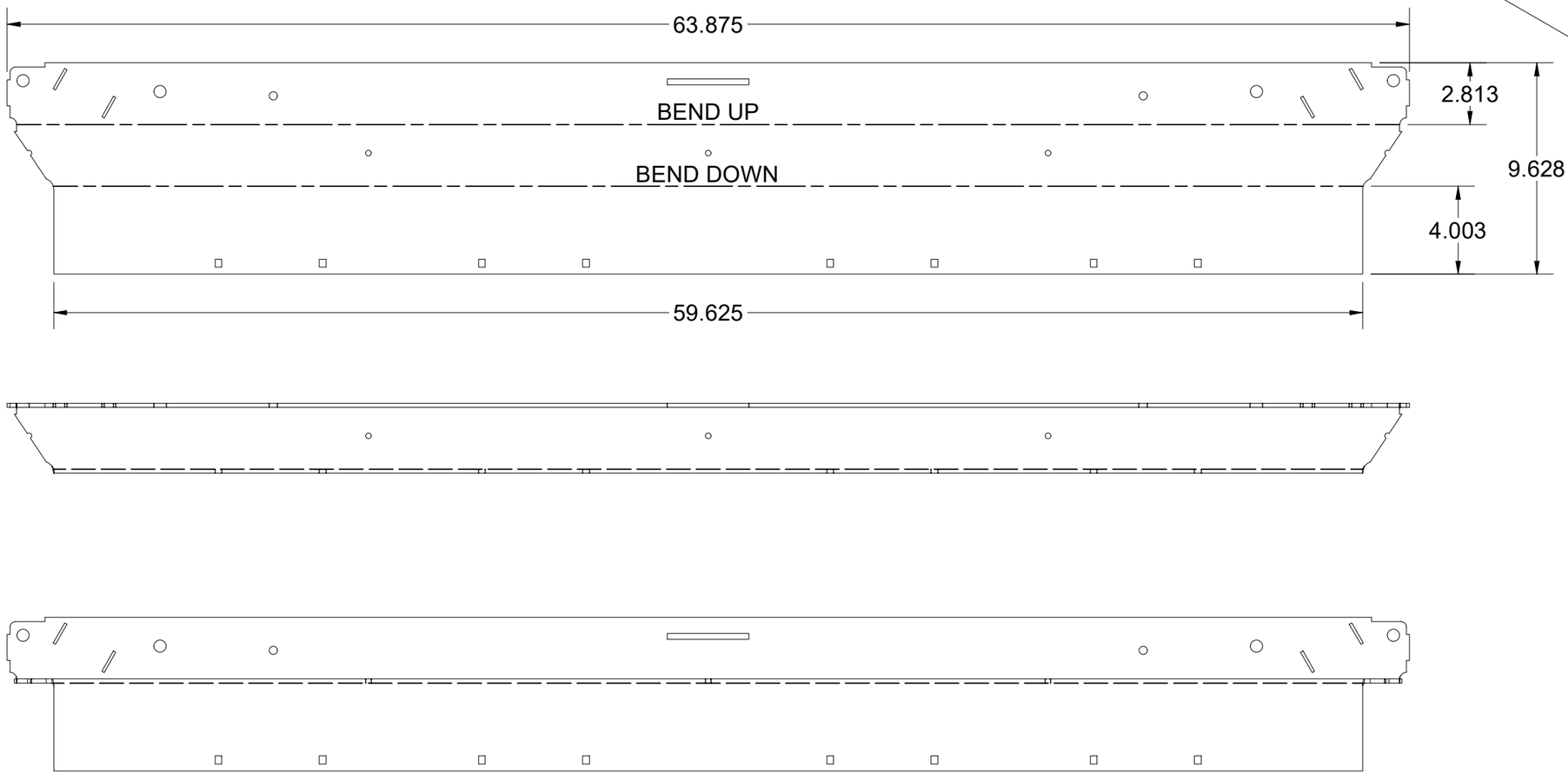
BEND TABLE				MATERIAL IFS: 100007734
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.1875
0.125	2	90	0.375	MAT DESCRIPTION: STL ASTM A36 SM-HRPO 60X120 RAW .1875

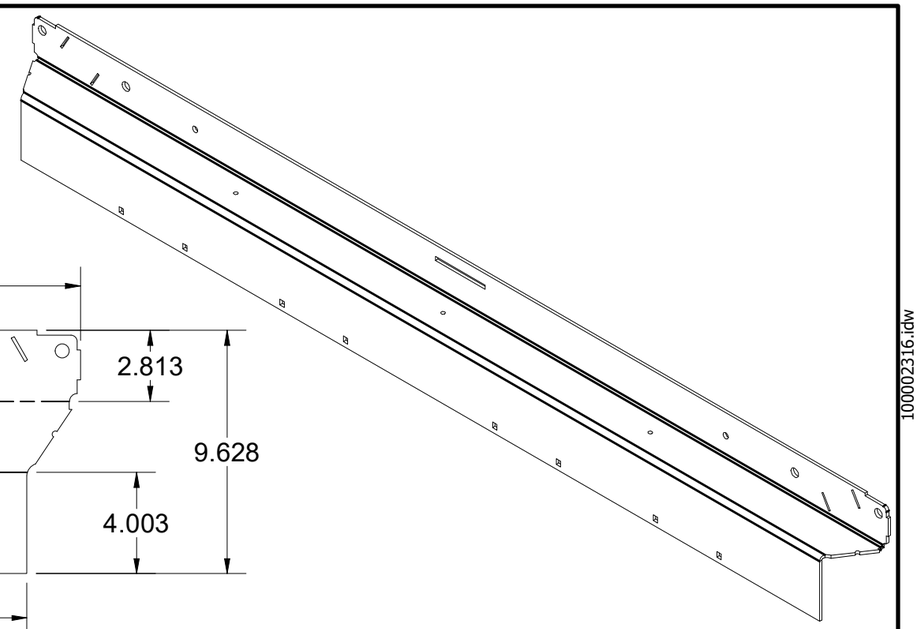
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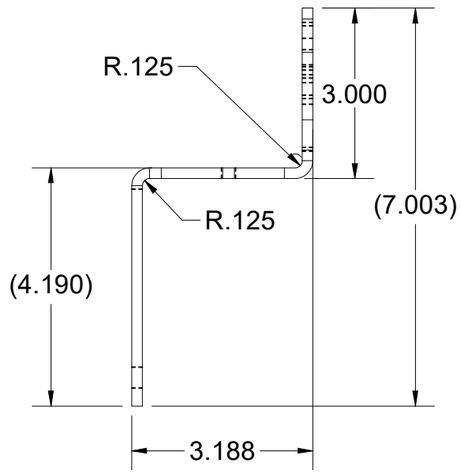
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NAME & DESCRIPTION: 200024084 Frame Component Steel Frame End, Cast In		REV: D-2
WEIGHT: 21.142 lbmass	DRAWN BY: M. Bouchard	SHEET: 8 OF 13
CREATED: 7/11/2019	MODIFIED: 11/13/2026	

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: 200024085 Frame Component Steel Frame Side, Cast In

REV: D-2

WEIGHT: 31.809 lbmass

DRAWN BY: M. Bouchard

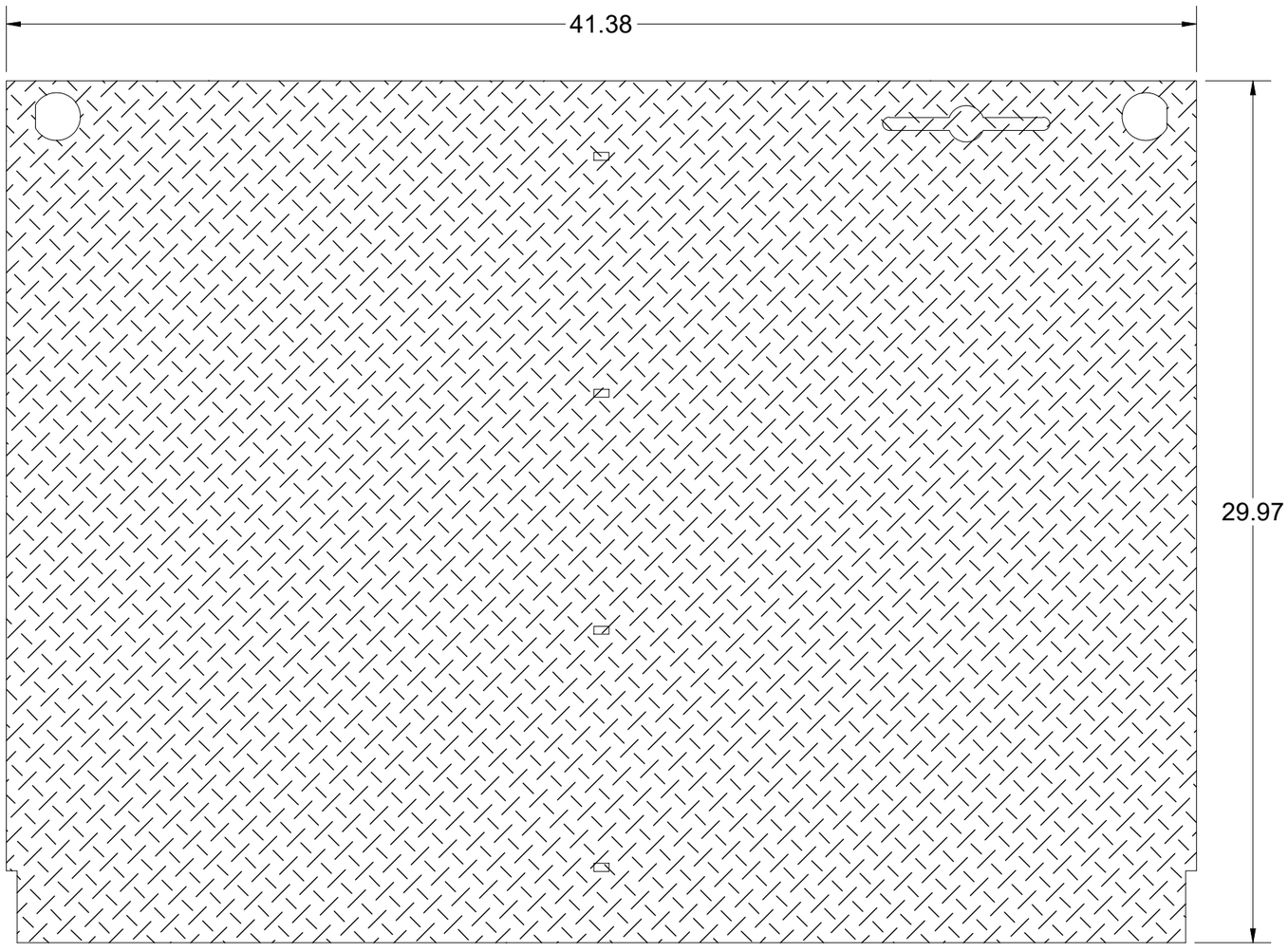
CREATED: 7/11/2019

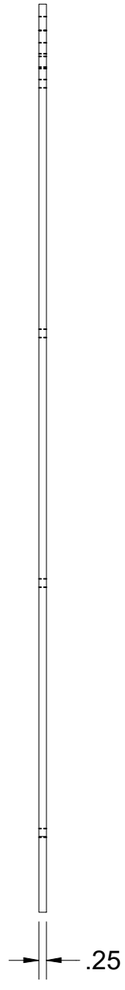
MODIFIED: 11/13/2026

SHEET: 9 OF 13

100002316.idw

NON-SYMMETRIC





100002316.idw

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

Infrastructure JENSEN

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

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NAME & DESCRIPTION: 200056872
Door Component Steel Plate, Top

REV: D-2

WEIGHT: 96.187 lbmass

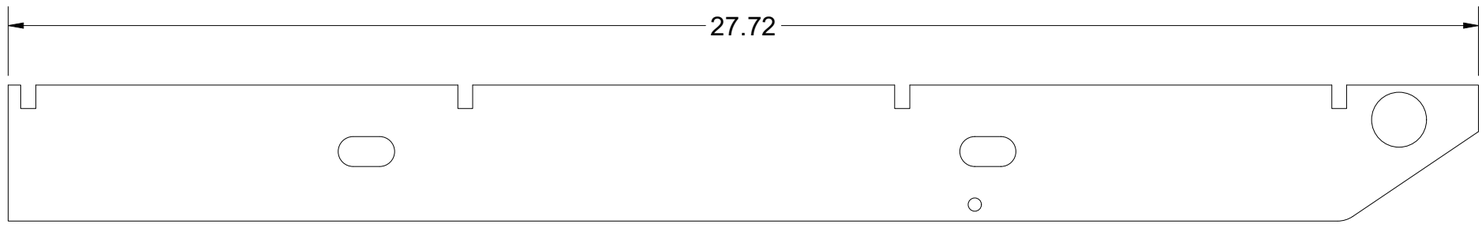
DRAWN BY: M. Bouchard

CREATED: 7/11/2019

MODIFIED: 11/13/2026

SHEET: 10 OF 13

100002316.idw





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

MATERIAL IFS: 100007735

MATERIAL THK: 0.25

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

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NAME & DESCRIPTION: 200056873
Door Component Steel Side Bar

REV: D-2

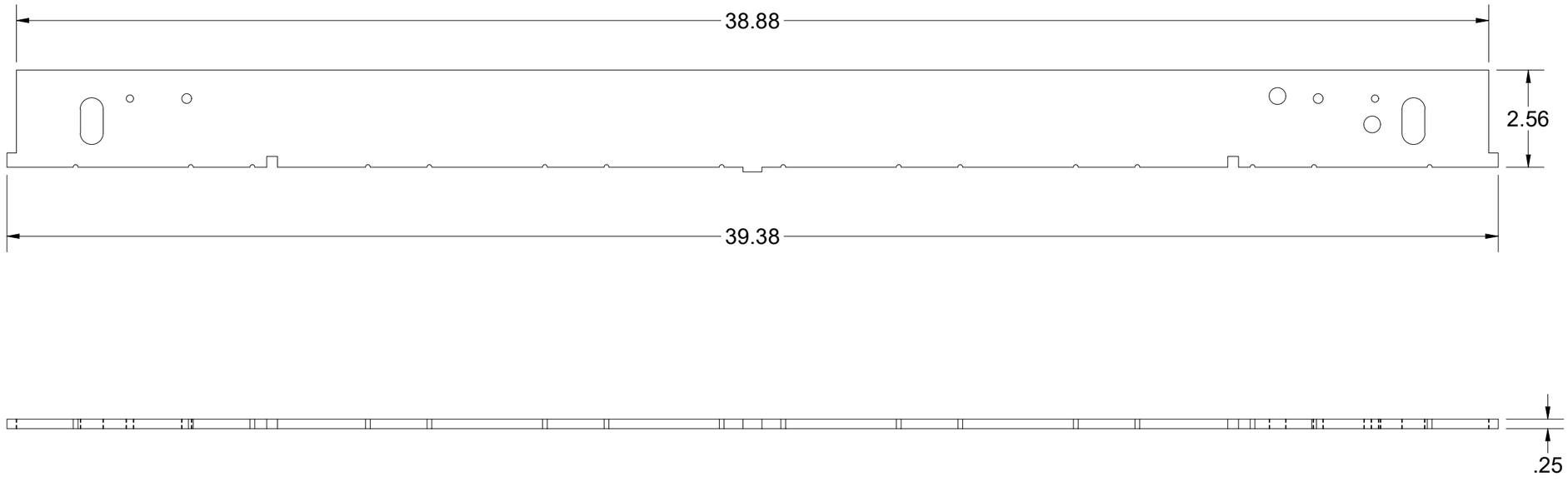
WEIGHT: 4.719 lbmass

DRAWN BY: M. Bouchard

CREATED: 7/11/2019

MODIFIED: 11/13/2026

SHEET: 11 OF 13



BEND TABLE				MATERIAL IFS: 100007735
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.25
-	-	- 0	-	MAT DESCRIPTION: STL ASTM A36 SM-HRPO RAW .250

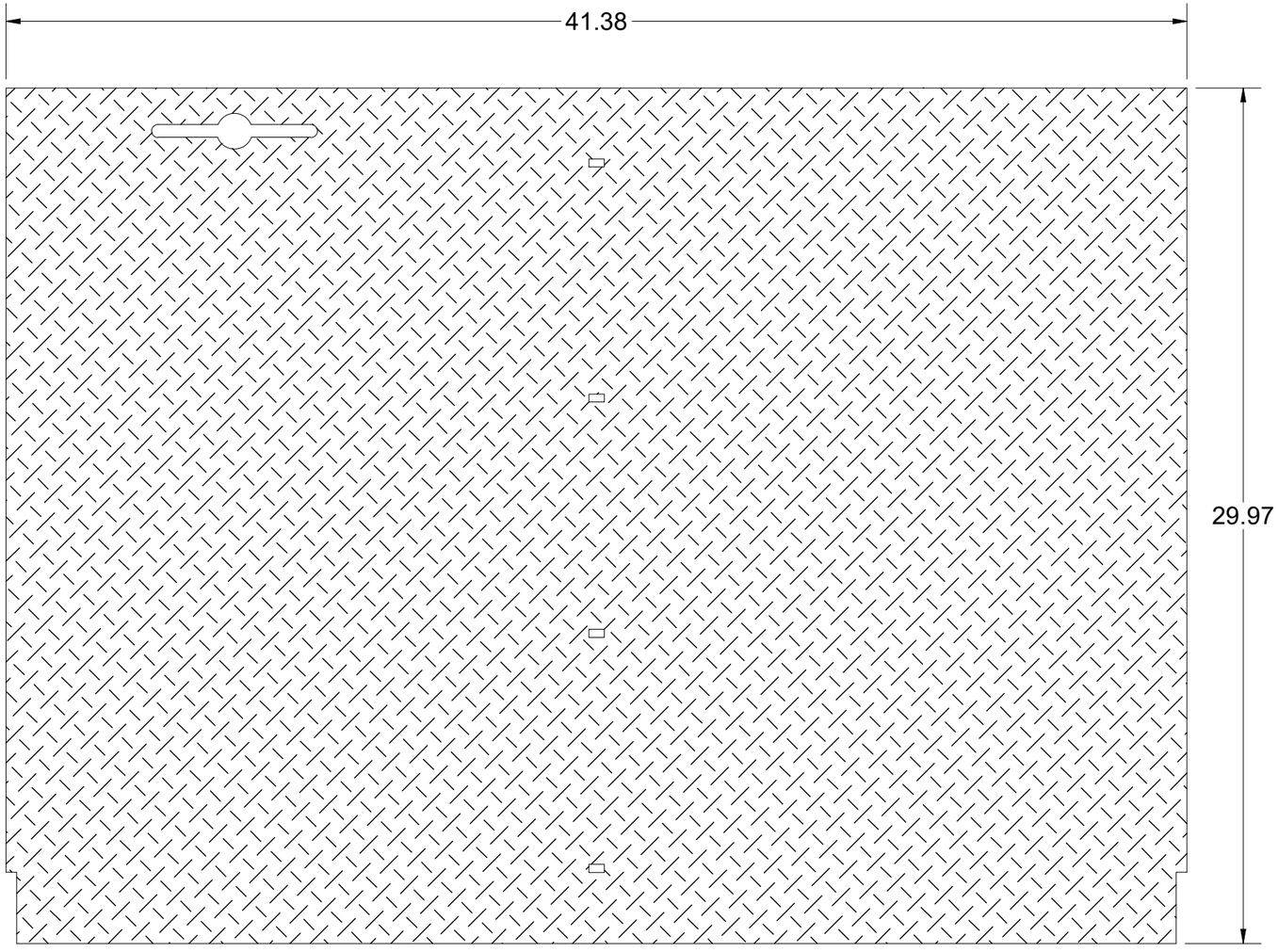
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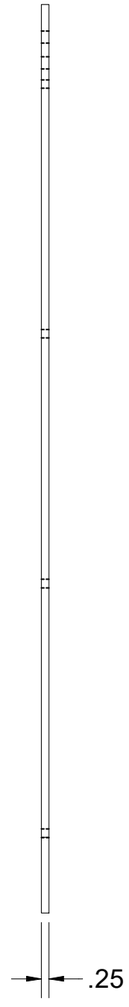
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NAME & DESCRIPTION: 200056874 Door Component Steel Stiffener, Bar		REV: D-2
WEIGHT: 6.946 lbmass	DRAWN BY: M. Bouchard	SHEET: 12 OF 13
CREATED: 7/11/2019	MODIFIED: 11/13/2026	

100002316.idw

NON-SYMMETRIC





100002316.idw

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: 200056876
Door Component Steel Plate, Bottom

REV: D-2

WEIGHT: 96.518 lbmass

DRAWN BY: M. Bouchard

CREATED: 7/11/2019

MODIFIED: 11/13/2026

SHEET: 13 OF 13