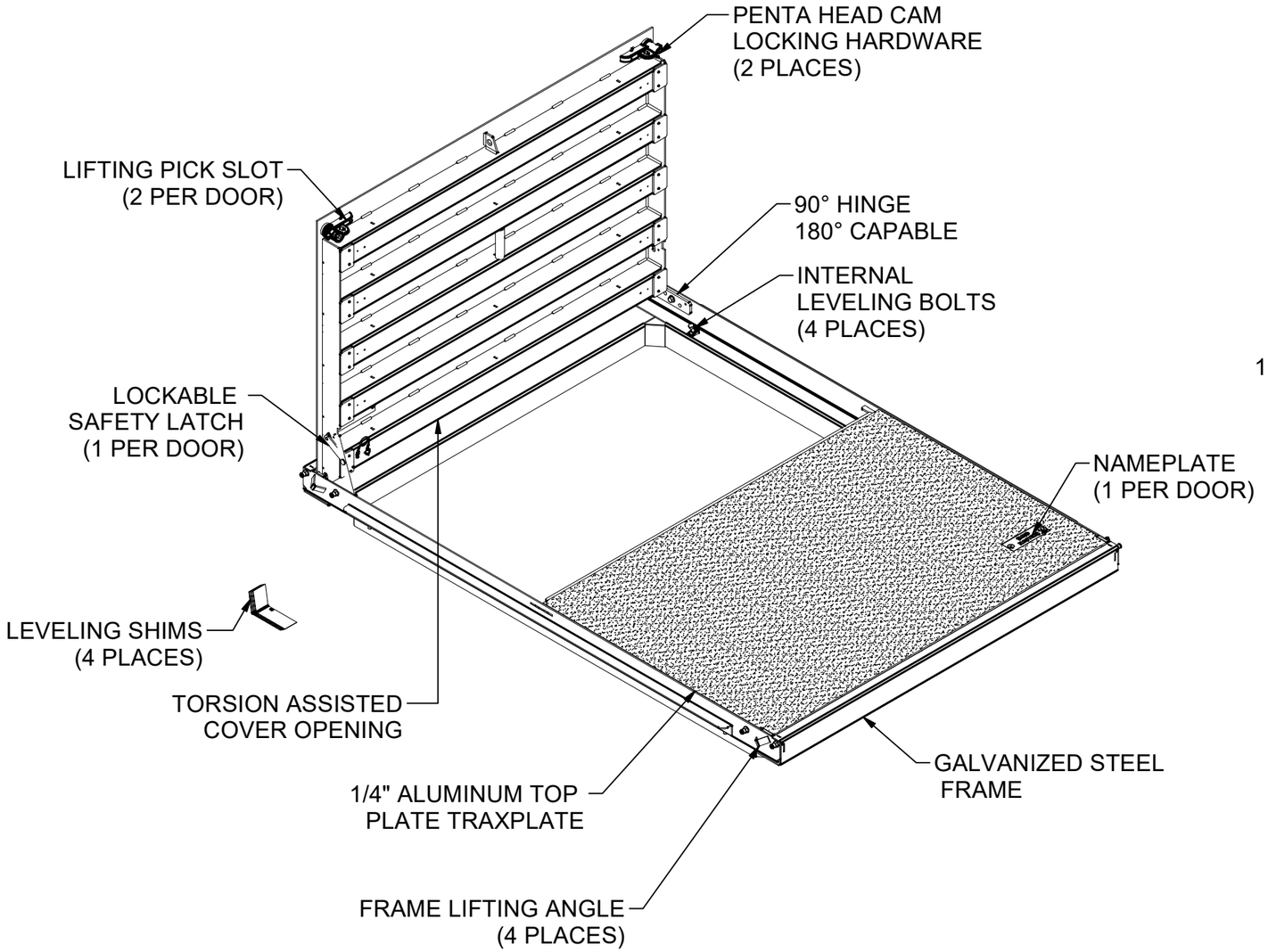
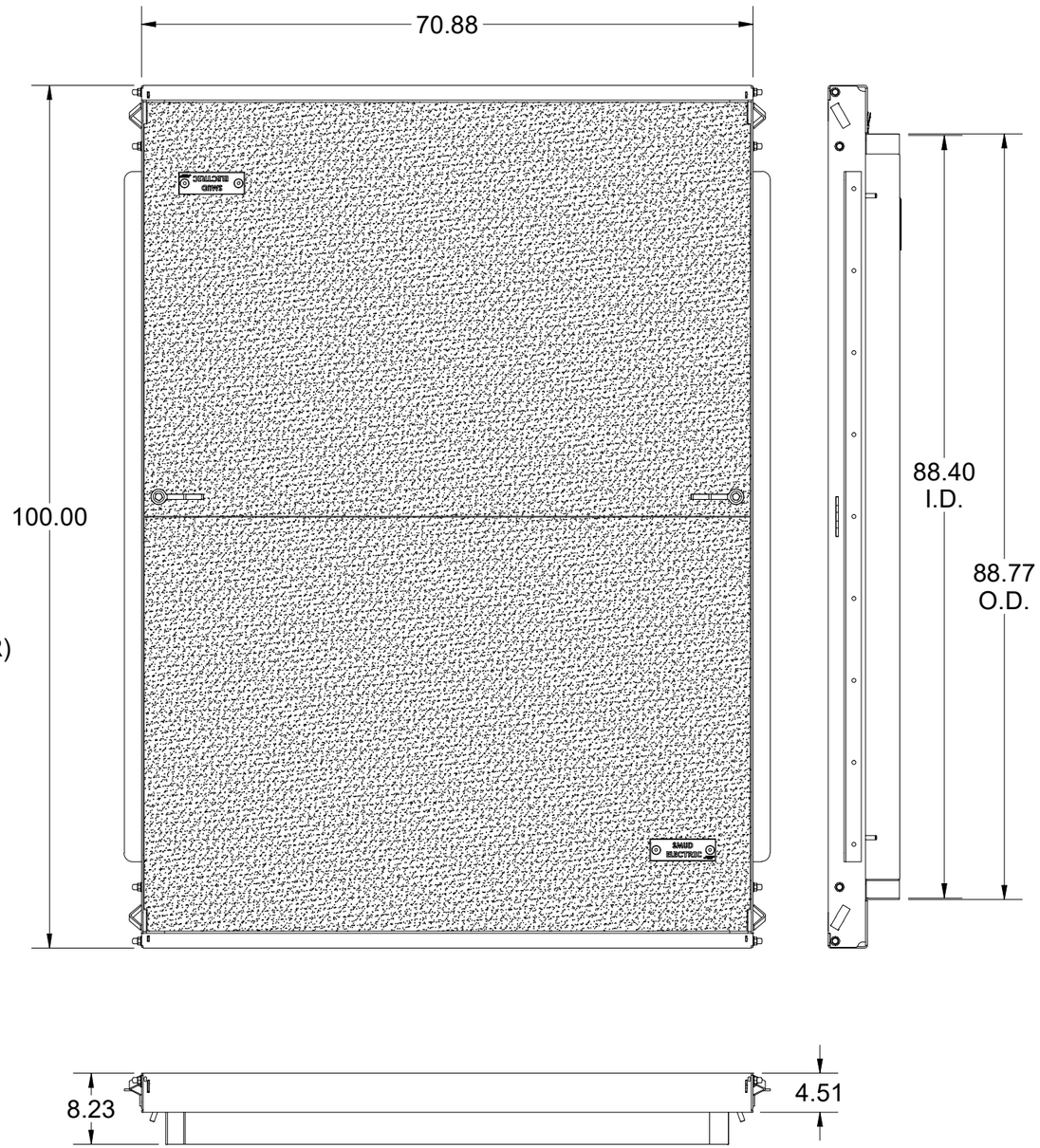




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DESIGNED FOR ROBOT WELDING

ALL DOOR GAPS ARE UNDER 5/16"

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:	TraxPlate™	FINISH:	Galvanized
WEIGHT:	607.87 lbs	MARKING:	None

Infrastructure
JENSEN
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DESCRIPTION: CAB2-6690-AH2-TRX-G-CL-SAC-SMUD-OH08

66x90 Standard Cover Assembly (ASTM C1802 Load Level 02, Bi-Metal, Hinged, Pickhole, TraxPlate™, Galvanized, N/A, SMUD) 08

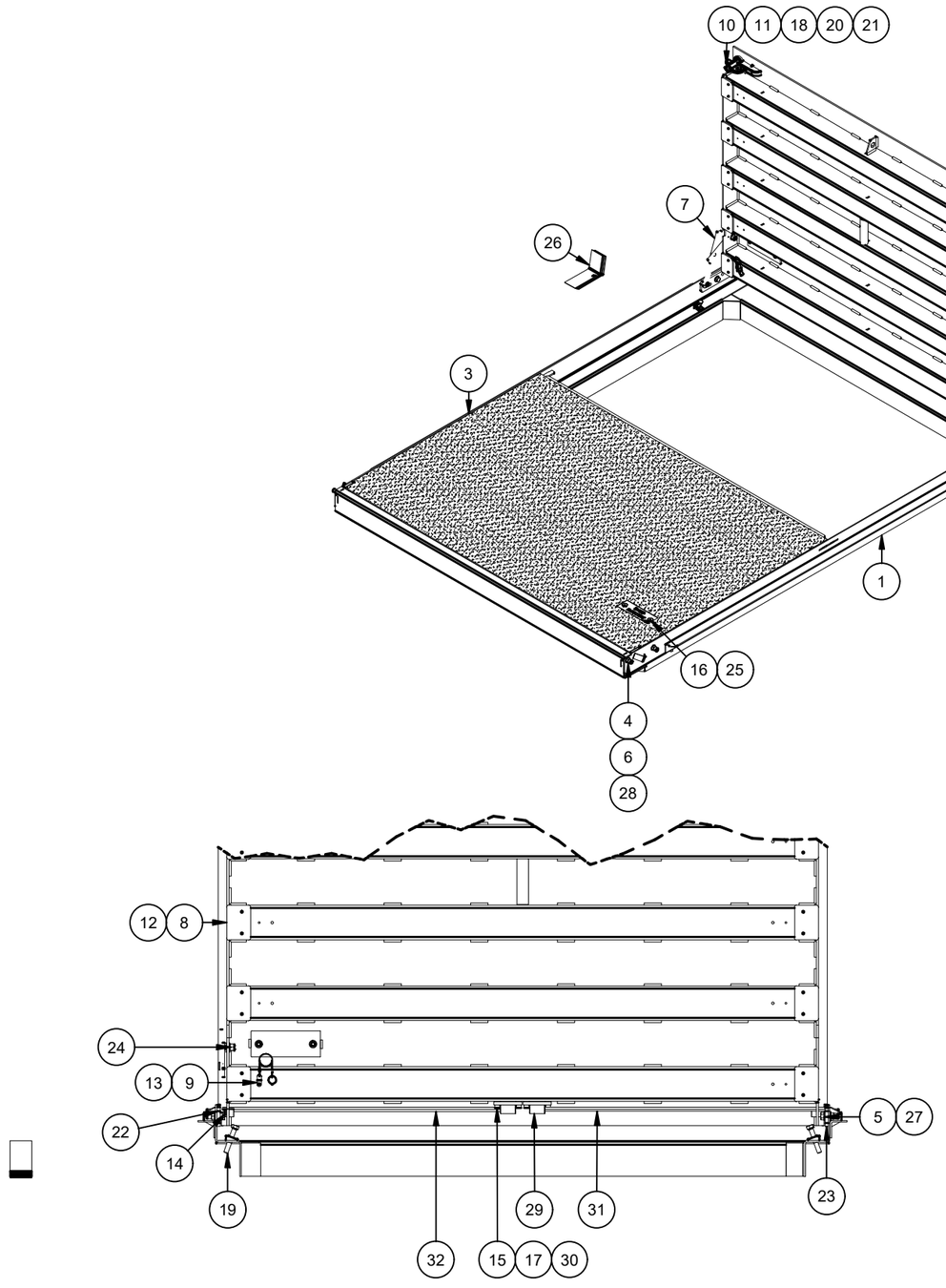
REV: F-1-2

SHEET: 1

PART NUMBER:	100002427	DRAWN BY:	M. Bouchard
CREATED:	2/13/2020	MODIFIED:	10/20/2026

BILL OF MATERIALS

ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	1	1	200036074	FAS-6690-AH2-R-SAC-SMUD-OH08	200036074
2	1	1	200036078	DAA2-T-6690-H2-TRX-R-CL-SAC-SMUD	200036078
3	1	1	200036082	DAA2-B-6690-H2-TRX-R-SAC-SMUD	200036082
4	8	8	100026256	LOW-STRENGTH STEEL FLANGE NUT, 1/2" - 13 THREAD SIZE	100026256
5	8	8	100011418	WASHER FLAT 1/2 NARROW ZINC	100011418
6	8	8	100007939	CAP VINYL .467 X 1/2	100007939
7	2	2	100007933	SAFETY LATCH ASSY FOR UNI AND 90 D HINGE	100007933
8	20	20	100007925	PAD INSULATING POLYURETHANE LARGE 4.00 X 2.75	100007925
9	2	2	100007924	LANYARD 3/64 W/PIN COATED SS	100007924
10	2	2	100007918	Cotter Pin 0.094x1.25" 18-8SS	100007918
11	2	2	100007915	SPRING COMPRESSION 055 X 5/8 X 7/8 LONG	100007915
12	40	40	100007884	Rivet Blind Grip .1875" Large Domed Head Range-0.376-0.5" Alum	100007884
13	2	2	100007882	Rivet Blind Grip .1875" Large Domed Head Range-0.376-0.5" Steel	100007882
14	2	2	100007876	Bolt Shoulder Socket Head - 3/8-16 UNC - SD-0.5" - SL-0.3125" - Grade 5 - Zinc	100007876
15	8	8	100007873	BOLT SOCKET CAP - 3/8-16 UNC - 1.25 - ZINC	100007873
16	4	4	100007733	Bolt Socket Flat Countersunk Head - 1/2-13 UNC - Grade 5 - Zinc - FT - 1"	100007872
17	8	8	100007859	RIVET NUT 3/8-16 FLAT KNURLED	100007859
18	2	2	100007857	NUT FINGER 1/2-13 BRASS	100007857
19	4	4	100007744	Hex Bolt 1/2-13 UNC ZINC - PT - 3"	100007744
20	2	2	100007741	BOLT PENTA 1/2-13 UNC 0.875 HEAD 2.75L SS DRILLED	100007741
21	2	2	100007729	HEX NUT SLOTTED CASTLE HEAD 1/2-13 SS	100007729
22	2	2	100007659	Hinge Assembly, Left, 1/2, Steel	100007659
23	2	2	100007658	Hinge Assembly, Right, 7/16, Steel	100007658
24	2	2	100007499	HEX NUT NYLOCK - 1/2-13 UNC - 304SS	100007499
25	2	2	100005057	NAME PLATE CAST ALUM - SMUD ELEC	100005057
26	4	4	100005056	LEVELING BOLT 9.5 SHIM PLATE	100005056
27	4	4	100003823	Hex Bolt 1/2-13 UNC ZINC - PT - 1.5"	100003823
28	4	4	100007869	BOLT SOCKET CAP - 1/2-13 UNC - 1.75 - 316SS	100007869
29	2	2	100007670	SPRING MOUNT ASSY .438	100007670
30	2	2	100007671	SPRING MOUNT ASSY .500	100007671
31	2	2	100007726	TORSION HEX ROD .4375 x 34.5in RAW	100007726
32	2	2	100007727	TORSION HEX ROD .5 x 34.5in RAW	100007727



100002427.idw

REVISION HISTORY		
DESCRIPTION	DATE	REVISED BY
57473-6: CHANGED BENT CHANNEL AND BRACKET SPACER TO 2 INCH V OPENING. UPDATED BEND TABLE ACCORDINGLY.	7/08/2025	COLLIN HEYWOOD
60002-1: CHANGED TORSION MOUNT TO TWO STANDARD TORSION MOUNTS.	12/19/2025	COLLIN HEYWOOD
REVISED BOLT DOUBLER TAB HOLE IN FRAME	9/29/2026	R. DOHR
61726-1 INCREASED LENGTH OF CAM LATCH PLATE	10/20/2026	M. BOUCHARD

MATERIAL FINISH: Galvanized

MATERIAL SURFACE: TraxPlate™

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PART NUMBER & DESCRIPTION: 100002427 CAB2-6690-AH2-TRX-G-CL-SAC-SMUD-OH08

REV: F-1-2

WEIGHT: 607.87 Lbs

DRAWN BY: M. Bouchard

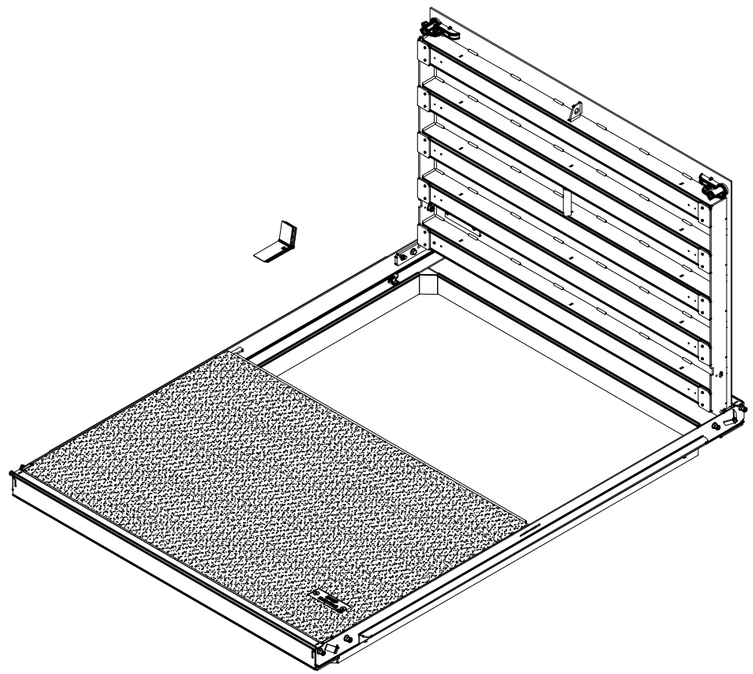
SHEET: 2

CREATED: 2/13/2020

MODIFIED: 10/20/2026

BURN LIST - BOM

PART NAME	ITEM QTY	QTY	DESCRIPTION	STOCK NUMBER	MATERIAL	MASS	SHEET
200036075	2	107.816 lbmass	Frame Component Steel Frame Side, Adjustable	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	53.908 lbmass	08
200036076	2	109.111 lbmass	Frame Component Steel Frame End, Adjustable	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	54.556 lbmass	09
200036077	4	2.438 lbmass	FRAME CORNER 4" SKIRT	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	0.609 lbmass	10
200036079	1	81.828 lbmass	Door Component Aluminum Plate, Top Nameplate	100007804	SHT ALUM ASTM 6061 SM-RAW 60W .25	81.828 lbmass	11
200036080	10	132.360 lbmass	Door Component Aluminum Channel	100007813	SHT ALUM ASTM 5052 SM RAW .1875	13.228 lbmass	12
200036081	4	15.101 lbmass	Door Component Aluminum Side Bar	100007804	SHT ALUM ASTM 6061 SM-RAW 60W .25	3.775 lbmass	13
200036083	1	82.086 lbmass	Door Component Aluminum Plate, Bottom Nameplate	100007804	SHT ALUM ASTM 6061 SM-RAW 60W .25	82.086 lbmass	14
200036084	1	4.100 lbmass	Door Component Aluminum Lap Bar	100007804	SHT ALUM ASTM 6061 SM-RAW 60W .25	4.100 lbmass	15
200036085	3	0.521 lbmass	Door Component Aluminum Stiffener, Bar	100007804	SHT ALUM ASTM 6061 SM-RAW 60W .25	0.174 lbmass	16
200036086	1	0.108 lbmass	Door Component Aluminum Stiffener, Plate	100007804	SHT ALUM ASTM 6061 SM-RAW 60W .25	0.108 lbmass	17
200036154	2	1.142 lbmass	NAME PLATE BACKING PLATE SMUD	100007804	SHT ALUM ASTM 6061 SM-RAW 60W .25	0.571 lbmass	18
200078722	2	31.404 lbmass	Frame Component Steel Frame Side, Gusset	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	15.702 lbmass	19
200127645	2	0.778 lbmass	Frame Cam Latch Catch Plate - 1/4" A36, Dual Door, 0.8125" Overhang, Oversize	100007735	STL ASTM A36 SM-HRPO RAW .250	0.389 lbmass	20



100002427.idw

MATERIAL FINISH: Galvanized

MATERIAL SURFACE: TraxPlate™

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PART NUMBER & DESCRIPTION: 100002427
CAB2-6690-AH2-TRX-G-CL-SAC-SMUD-OH08

REV: F-1-2

WEIGHT: 607.87 Lbs

DRAWN BY: M. Bouchard

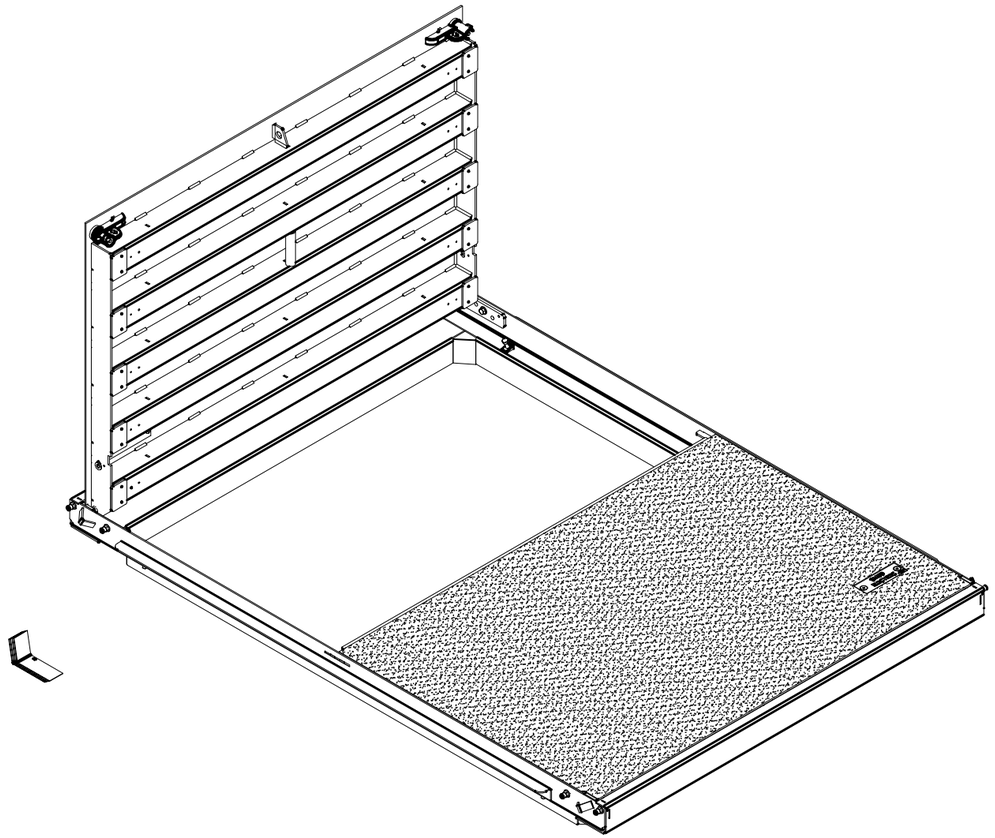
CREATED: 2/13/2020

MODIFIED: 10/20/2026

SHEET: 3

CUT LIST - BOM

PART NAME	ITEM QTY	BASE QTY	QTY	DESCRIPTION	PART NUMBER	MASS	SHEET
100007788	2	5.2500 in	10.500 in	STRUCTURAL ALUMINUM PIPE SCH 40 - 1	100007788	0.2540 lbmass	
100007727	2	1	2	TORSION HEX ROD .5 x 34.5in RAW	100007727	2.118 lbmass	
100007726	2	1	2	TORSION HEX ROD .4375 x 34.5in RAW	100007726	1.622 lbmass	



100002427.idw

MATERIAL FINISH: Galvanized

MATERIAL SURFACE: TraxPlate™

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PART NUMBER & DESCRIPTION: 100002427
CAB2-6690-AH2-TRX-G-CL-SAC-SMUD-OH08

REV: F-1-2

WEIGHT: 607.87 Lbs

DRAWN BY: M. Bouchard

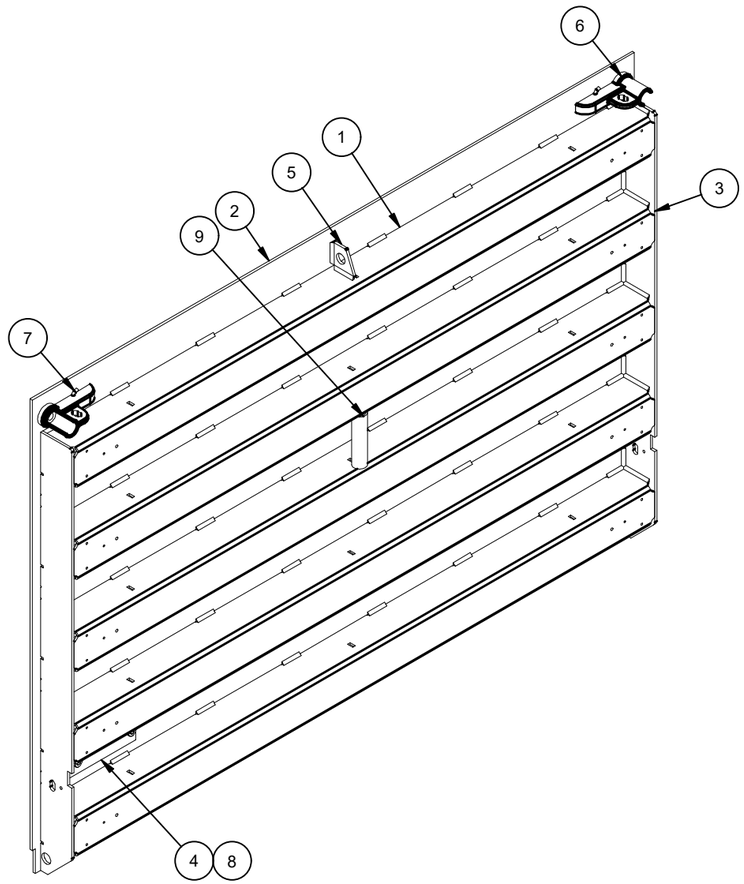
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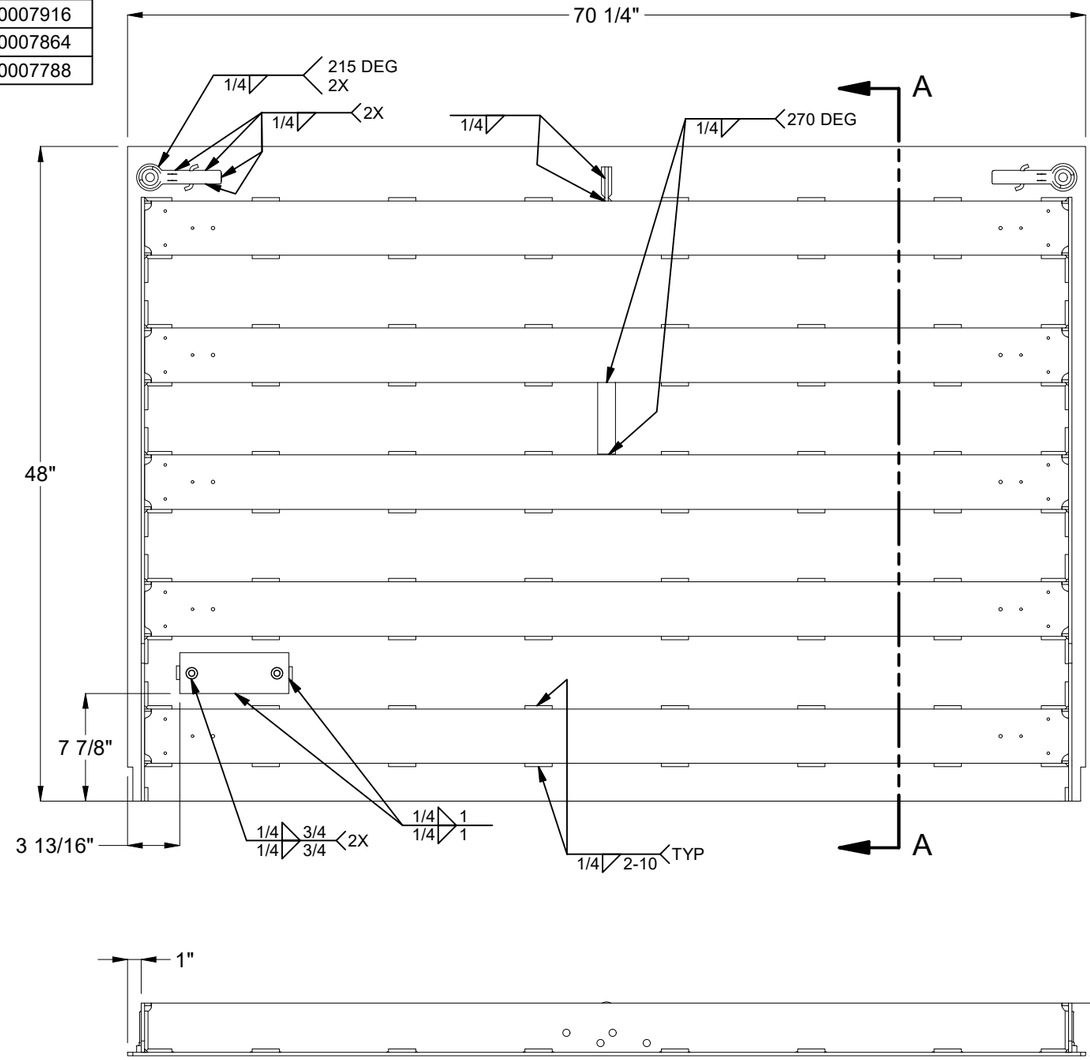
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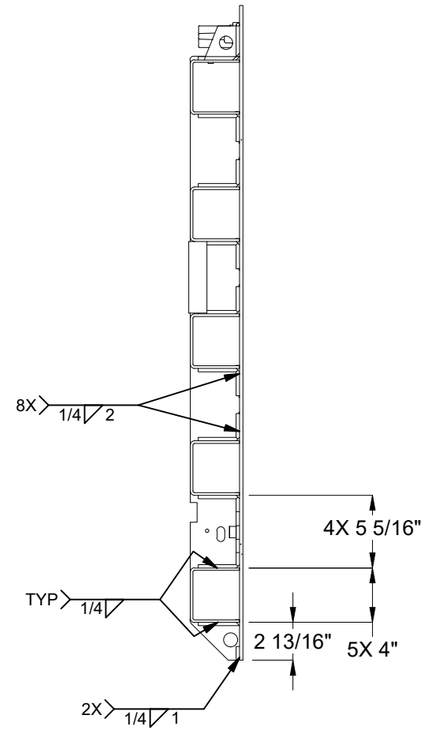
SHEET: 4

BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	13.236 lbmass	66.180 lbmass	100007813	Door Component Aluminum Channel	200036080
2	81.828 lbmass	81.828 lbmass	100007804	Door Component Aluminum Plate, Top Nameplate	200036079
3	3.775 lbmass	7.551 lbmass	100007804	Door Component Aluminum Side Bar	200036081
4	0.571 lbmass	0.571 lbmass	100007804	NAME PLATE BACKING PLATE SMUD	200036154
5	0.108 lbmass	0.108 lbmass	100007804	Door Component Aluminum Stiffener, Plate	200036086
6	1	2	100007934	CAST-ING TOWER PICK HOLE COMBO ALUM	100007934
7	1	2	100007916	CLIP PICK HOLE 304SS	100007916
8	1	2	100007864	NUT 1/2-13 WELDABLE ALUM	100007864
9	5.250 in	5.250 in	100007788	STRUCTURAL ALUMINUM PIPE SCH 40 - 1	100007788







SECTION A-A

ROBOT DOOR

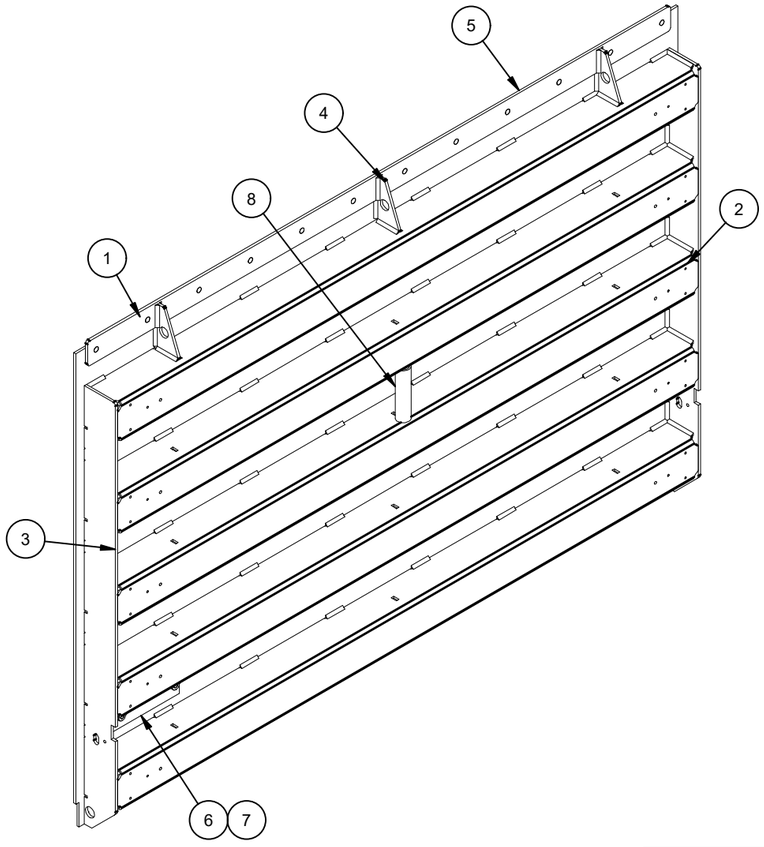
MATERIAL FINISH: Raw	Infrastructure JENSEN 527 Dunn Circle, Sparks, NV 89431 775-352-2716 FAX: 755-358-8127 *JENSENMETALTECH.COM*	PART NUMBER & DESCRIPTION: 200036078 DAA2-T-6690-H2-TRX-R-CL-SAC-SMUD	REV: F-1-2
MATERIAL SURFACE: TraxPlate™		WEIGHT: 159.16 Lbs CREATED: 2/13/2020	DRAWN BY: M. Bouchard MODIFIED: 10/20/2026
			SHEET: 5

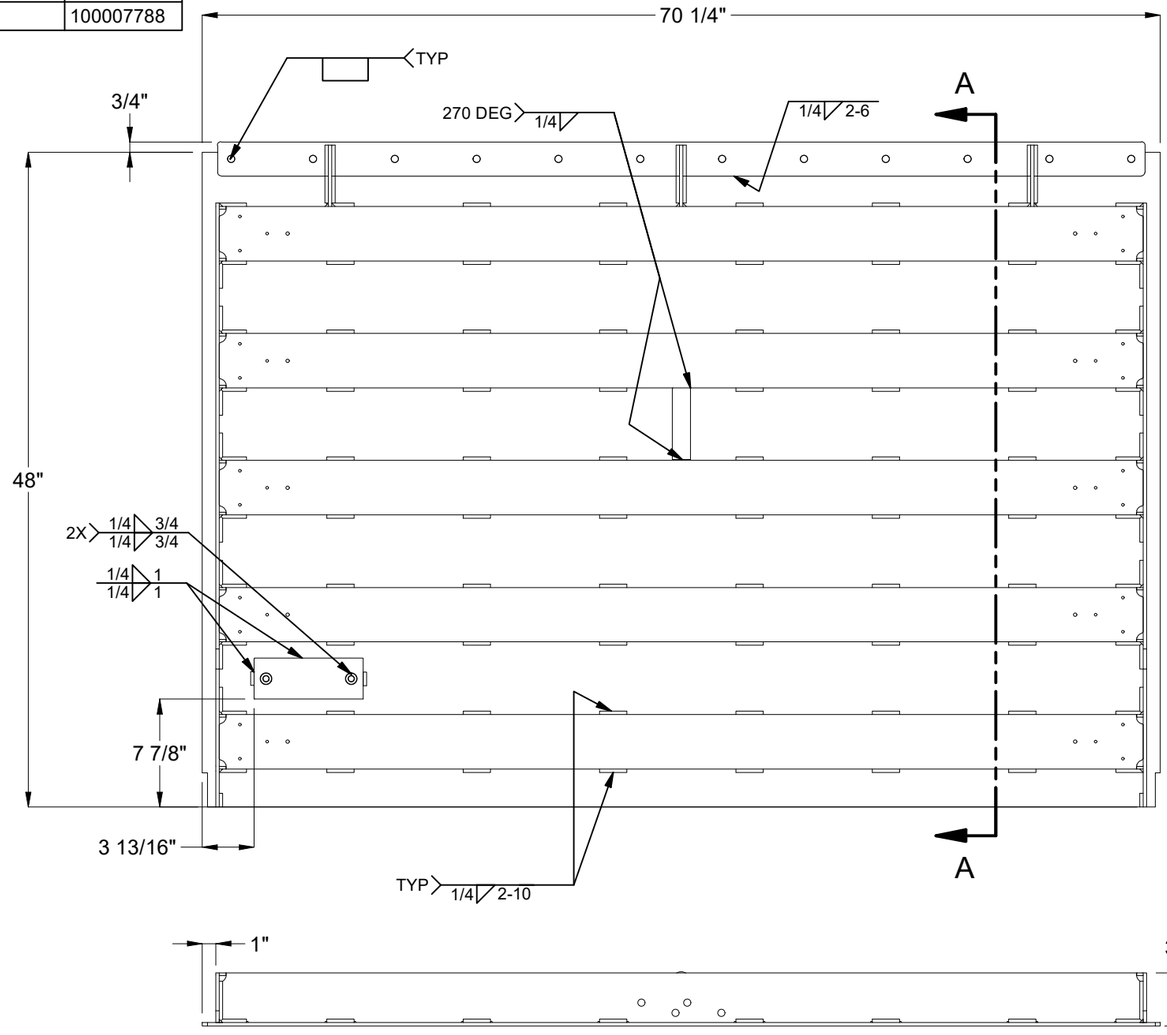
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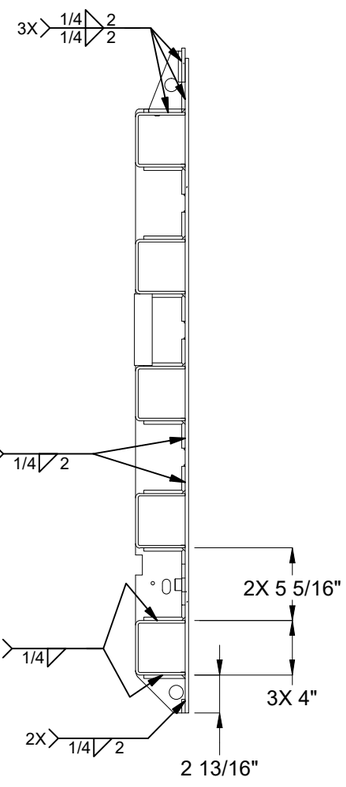
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BILL OF MATERIALS

ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	82.086 lbmass	82.086 lbmass	100007804	Door Component Aluminum Plate, Bottom Nameplate	200036083
2	13.236 lbmass	66.180 lbmass	100007813	Door Component Aluminum Channel	200036080
3	3.775 lbmass	7.551 lbmass	100007804	Door Component Aluminum Side Bar	200036081
4	0.174 lbmass	0.521 lbmass	100007804	Door Component Aluminum Stiffener, Bar	200036085
5	4.100 lbmass	4.100 lbmass	100007804	Door Component Aluminum Lap Bar	200036084
6	0.571 lbmass	0.571 lbmass	100007804	NAME PLATE BACKING PLATE SMUD	200036154
7	1	2	100007864	NUT 1/2-13 WELDABLE ALUM	100007864
8	5.250 in	5.250 in	100007788	STRUCTURAL ALUMINUM PIPE SCH 40 - 1	100007788







SECTION A-A

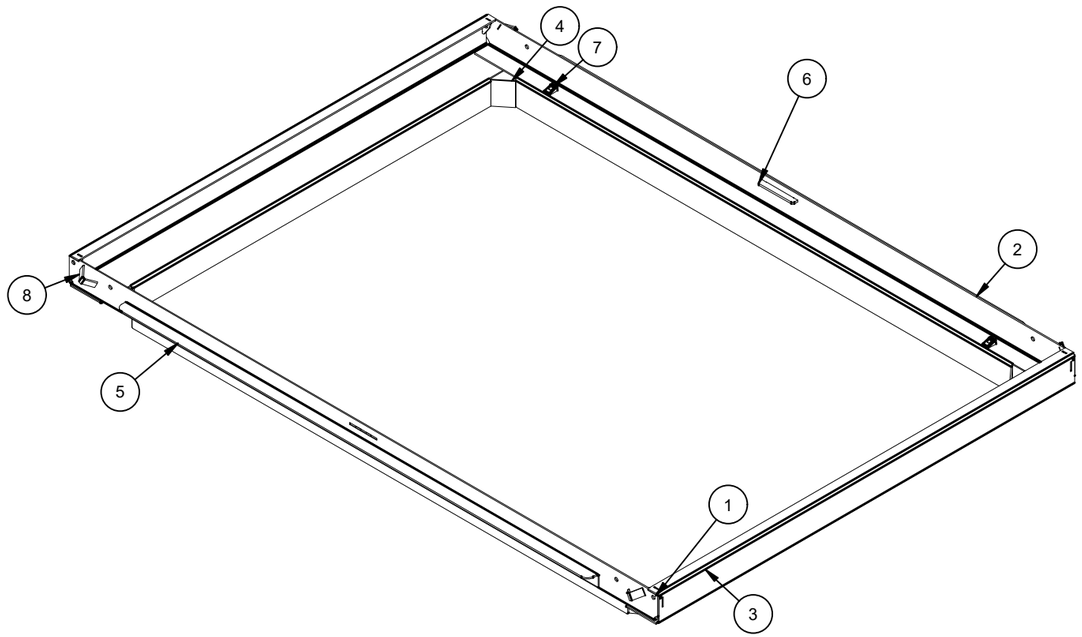
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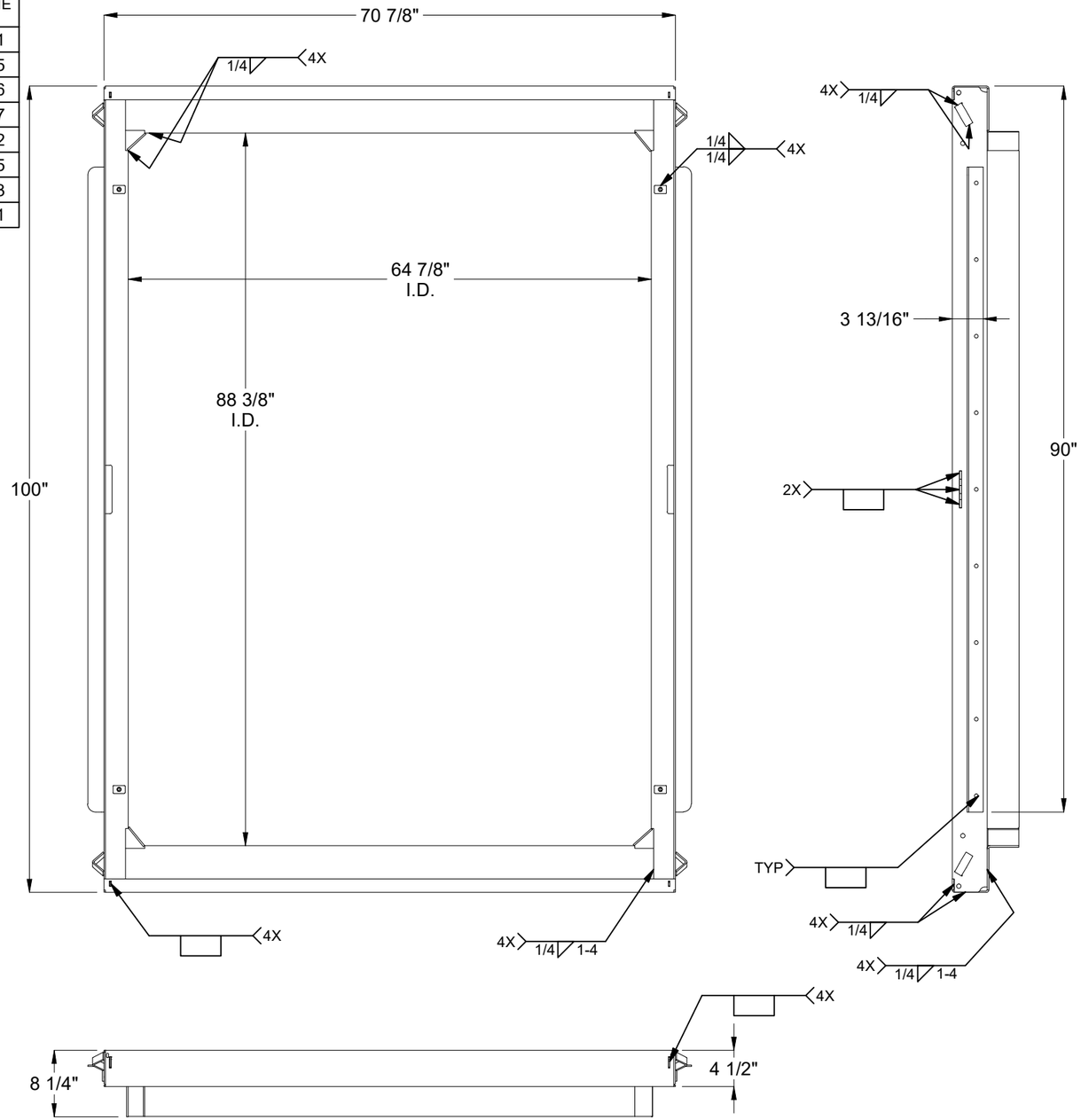
ROBOT DOOR

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: 200036082 DAA2-B-6690-H2-TRX-R-SAC-SMUD	REV: F-1-2
MATERIAL SURFACE: TraxPlate™			WEIGHT: 162.71 Lbs CREATED: 2/13/2020	DRAWN BY: M. Bouchard MODIFIED: 10/20/2026 SHEET: 6

BILL OF MATERIALS

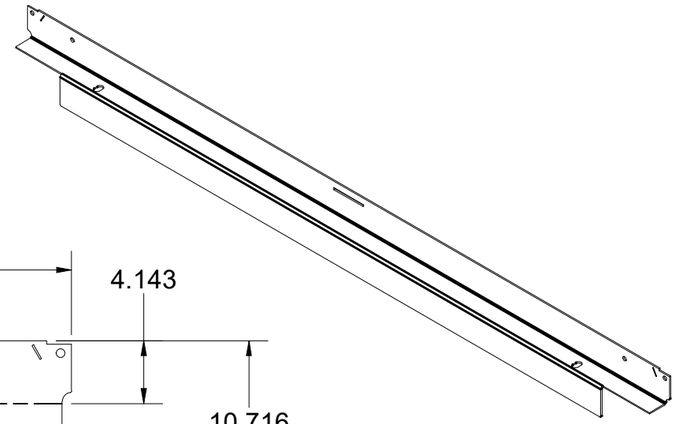
ITEM	UNIT QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	1	4	200018691	FRAME BOLT DOUBLER SLOT	200018691
2	53.908 lbmass	107.816 lbmass	100007734	Frame Component Steel Frame Side, Adjustable	200036075
3	54.556 lbmass	109.111 lbmass	100007734	Frame Component Steel Frame End, Adjustable	200036076
4	0.609 lbmass	2.438 lbmass	100007734	FRAME CORNER 4" SKIRT	200036077
5	15.702 lbmass	31.404 lbmass	100007734	Frame Component Steel Frame Side, Gusset	200078722
6	0.389 lbmass	0.778 lbmass	100007735	Frame Cam Latch Catch Plate - 1/4" A36, Dual Door, 0.8125" Overhang, Oversize	200127645
7	1	4	100007863	NUT LEVELER 1/2-13 WELDABLE CAST STEEL	100007863
8	1	4	100007641	FRAME LIFTING BRACKET	100007641



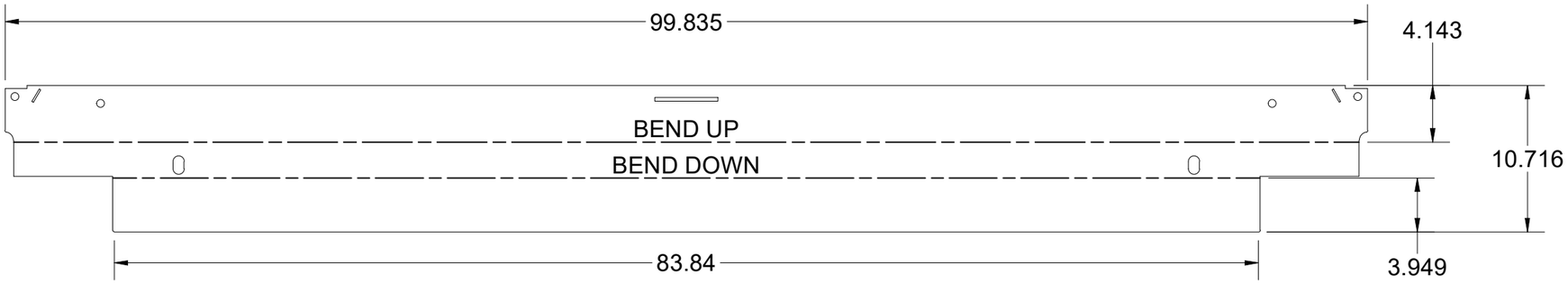


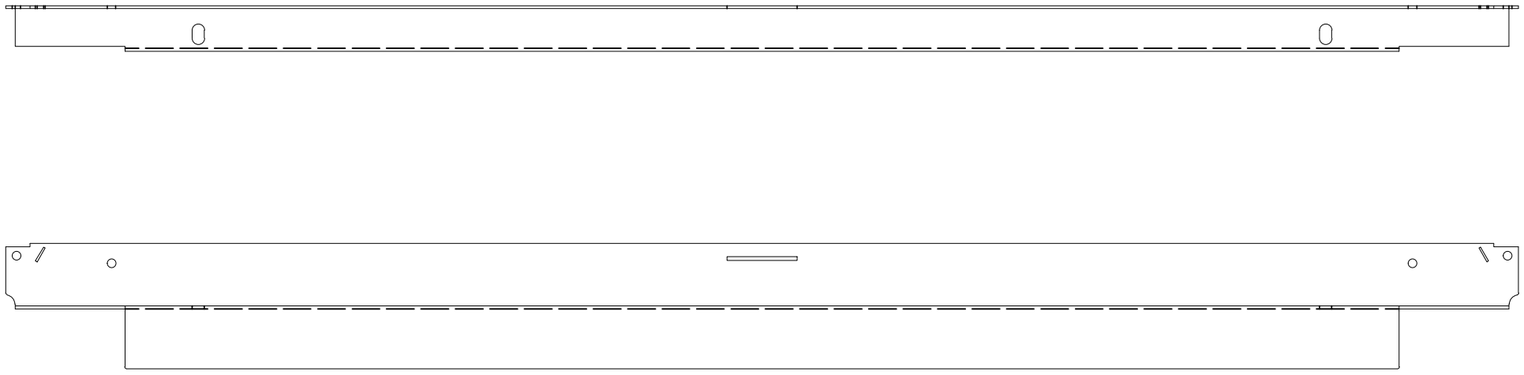
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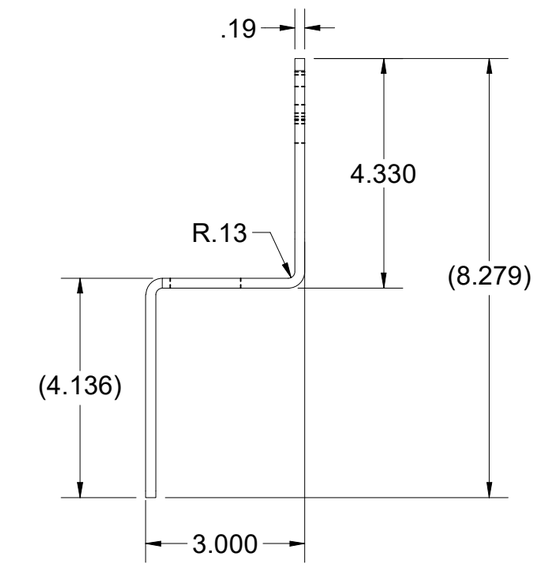
MATERIAL FINISH: Raw	Infrastructure JENSEN 527 Dunn Circle, Sparks, NV 89431 775-352-2716 FAX: 755-358-8127 *JENSENMETALTECH.COM*	©2026 Jensen Infrastructure - All rights reserved. All materials appearing as Jensen Infrastructure documents and the like are proprietary work product and are protected under 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: 200036074 FAS-6690-AH2-R-SAC-SMUD-OH08 — REV: F-1-2
MATERIAL SURFACE: Smooth			WEIGHT: 253.24 Lbs — DRAWN BY: M. Bouchard — SHEET: 7 CREATED: 2/13/2020 — MODIFIED: 10/20/2026



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

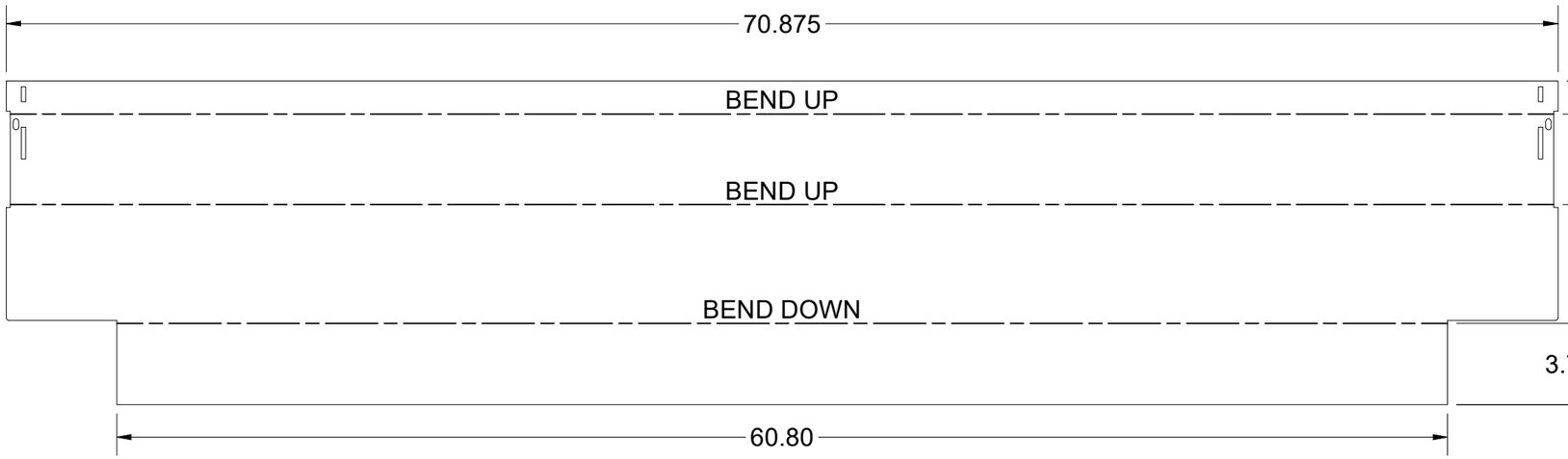
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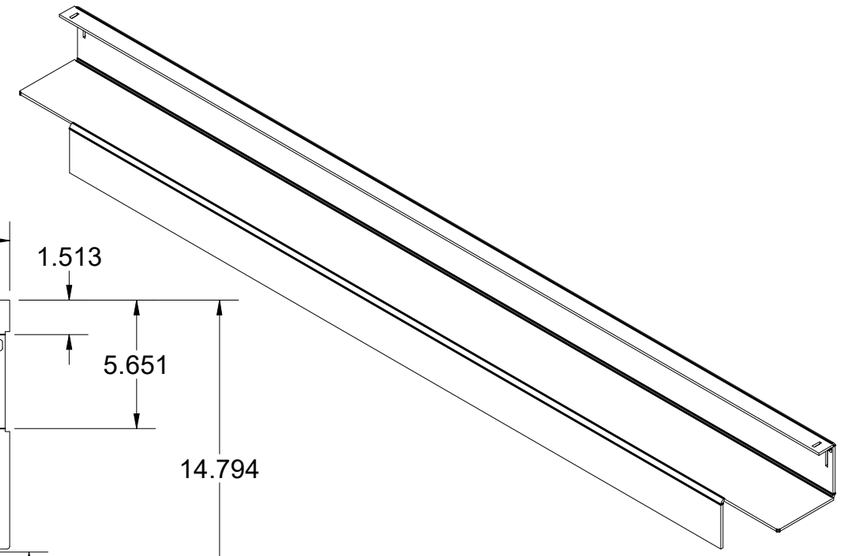
NAME & DESCRIPTION: 200036075 Frame Component Steel Frame Side, Adjustable		REV: F-1-2
WEIGHT: 53.908 lbmass	DRAWN BY: M. Bouchard	SHEET: 8 OF 20
CREATED: 2/13/2020	MODIFIED: 10/20/2026	

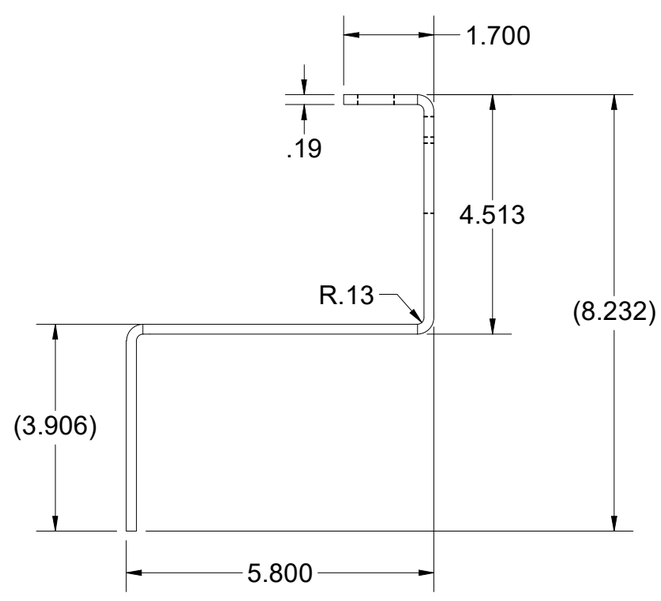
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SYMMETRIC









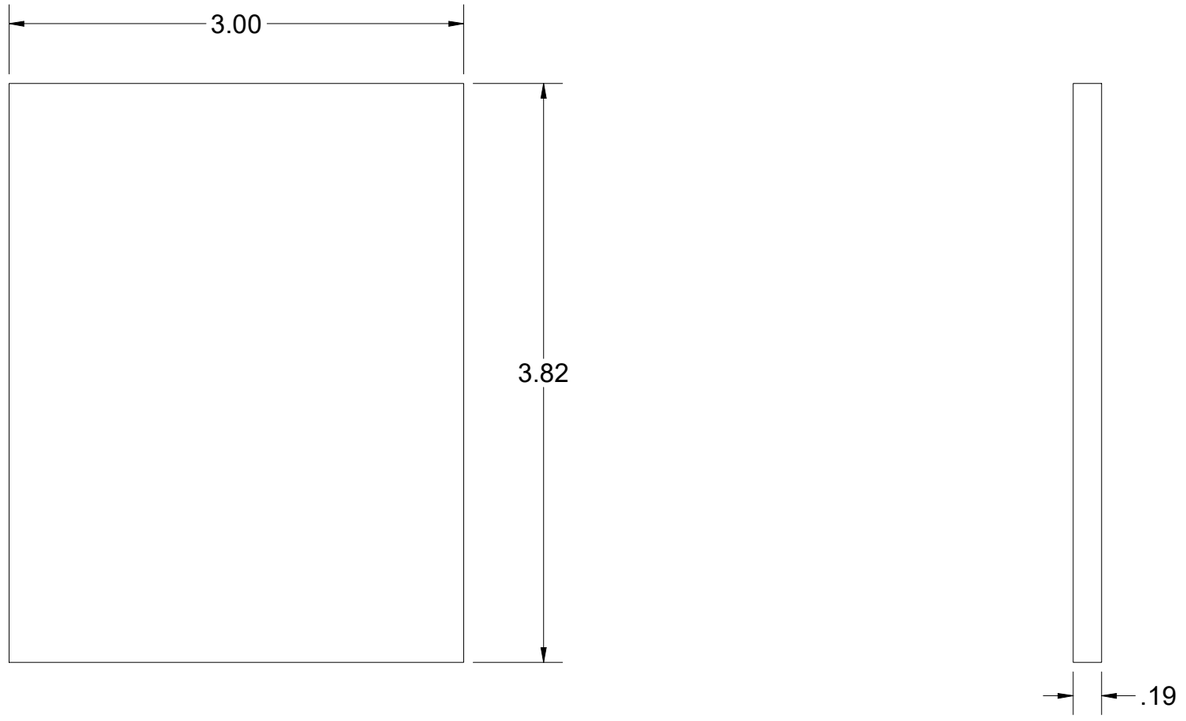
BEND TABLE				MATERIAL IFS: 100007734
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.1875
0.125	2	90	0.375	MAT DESCRIPTION: STL ASTM A36 SM-HRPO 60X120 RAW .1875

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NAME & DESCRIPTION: 200036076 Frame Component Steel Frame End, Adjustable		REV: F-1-2
WEIGHT: 54.556 lbmass	DRAWN BY: M. Bouchard	SHEET: 9 OF 20
CREATED: 2/13/2020	MODIFIED: 10/20/2026	

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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

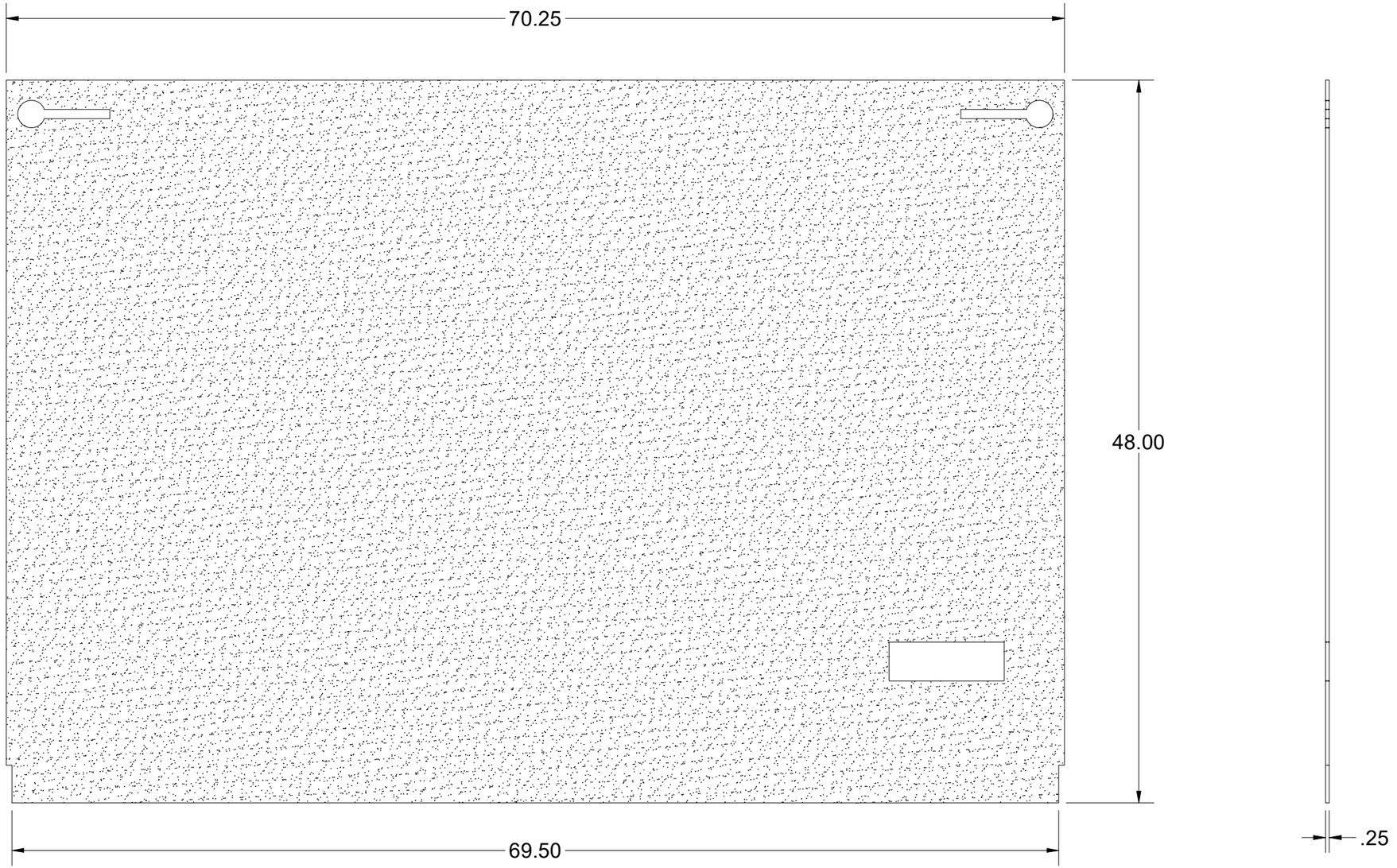
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NAME & DESCRIPTION: 200036077 FRAME CORNER 4" SKIRT		REV: F-1-2
WEIGHT: 0.609 lbmass	DRAWN BY: M. Bouchard	SHEET: 10 OF 20
CREATED: 2/13/2020	MODIFIED: 10/20/2026	

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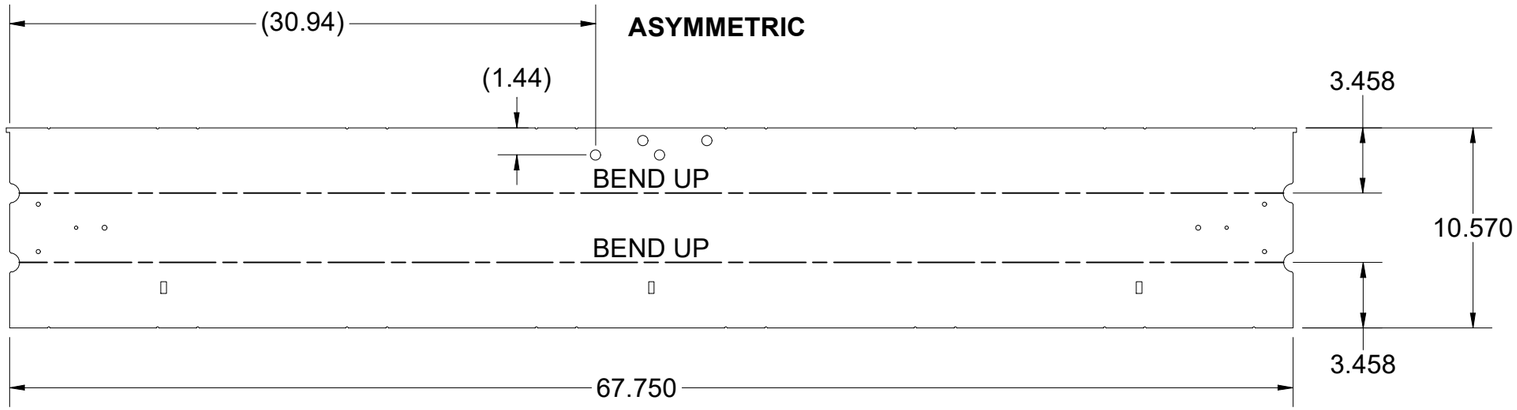
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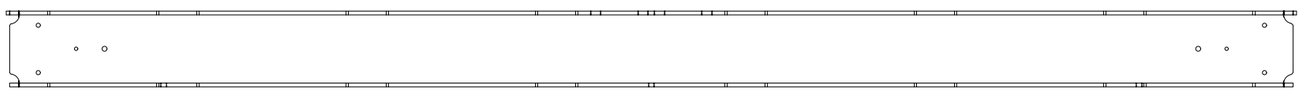
BEND TABLE				MATERIAL IFS: 100007804			
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.25			
-	-	- 0	-	MAT DESCRIPTION: SHT ALUM ASTM 6061 SM-RAW 60W .25			

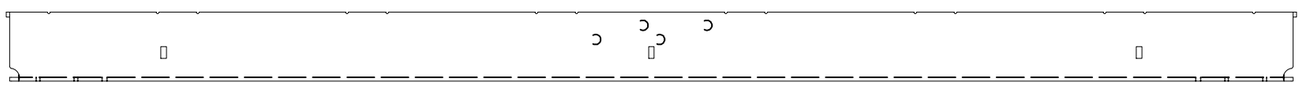
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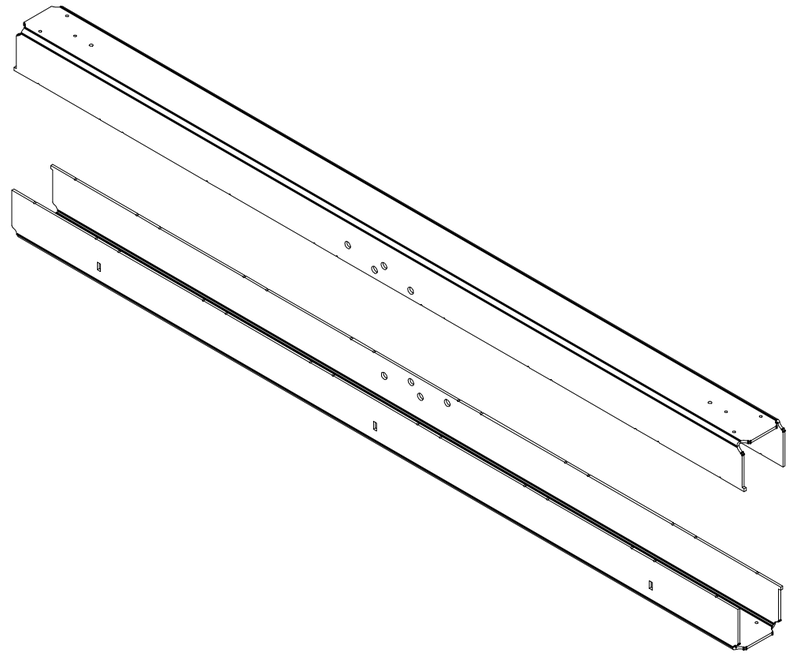
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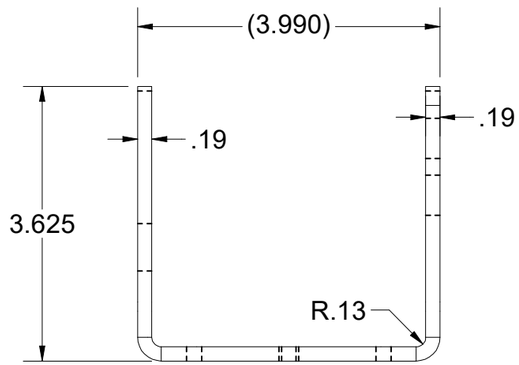
NAME & DESCRIPTION: 200036079 Door Component Aluminum Plate, Top Nameplate		REV: F-1-2
WEIGHT: 81.828 lbmass	DRAWN BY: M. Bouchard	SHEET: 11 OF 20
CREATED: 2/13/2020	MODIFIED: 10/20/2026	











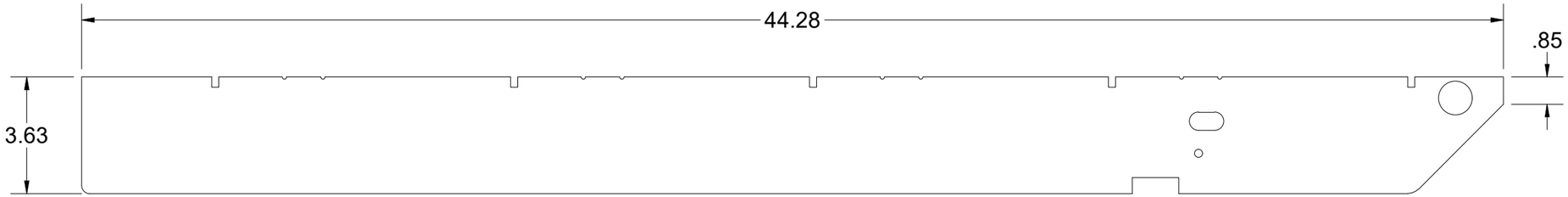
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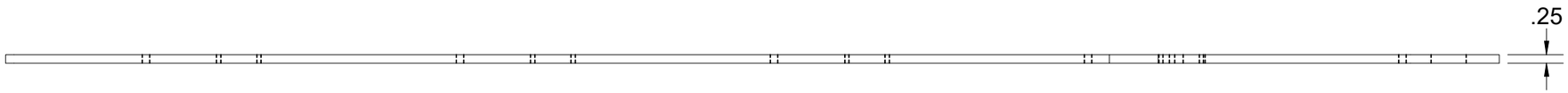
BEND TABLE				MATERIAL IFS: 100007813
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.1875
0.125	2	90	0.335	MAT DESCRIPTION: SHT ALUM ASTM 5052 SM RAW .1875

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NAME & DESCRIPTION: 200036080 Door Component Aluminum Channel		REV: F-1-2
WEIGHT: 13.228 lbmass	DRAWN BY: M. Bouchard	SHEET: 12 OF 20
CREATED: 2/13/2020	MODIFIED: 10/20/2026	





BEND TABLE				MATERIAL IFS: 100007804
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.25
-	-	- 0	-	MAT DESCRIPTION: SHT ALUM ASTM 6061 SM-RAW 60W .25

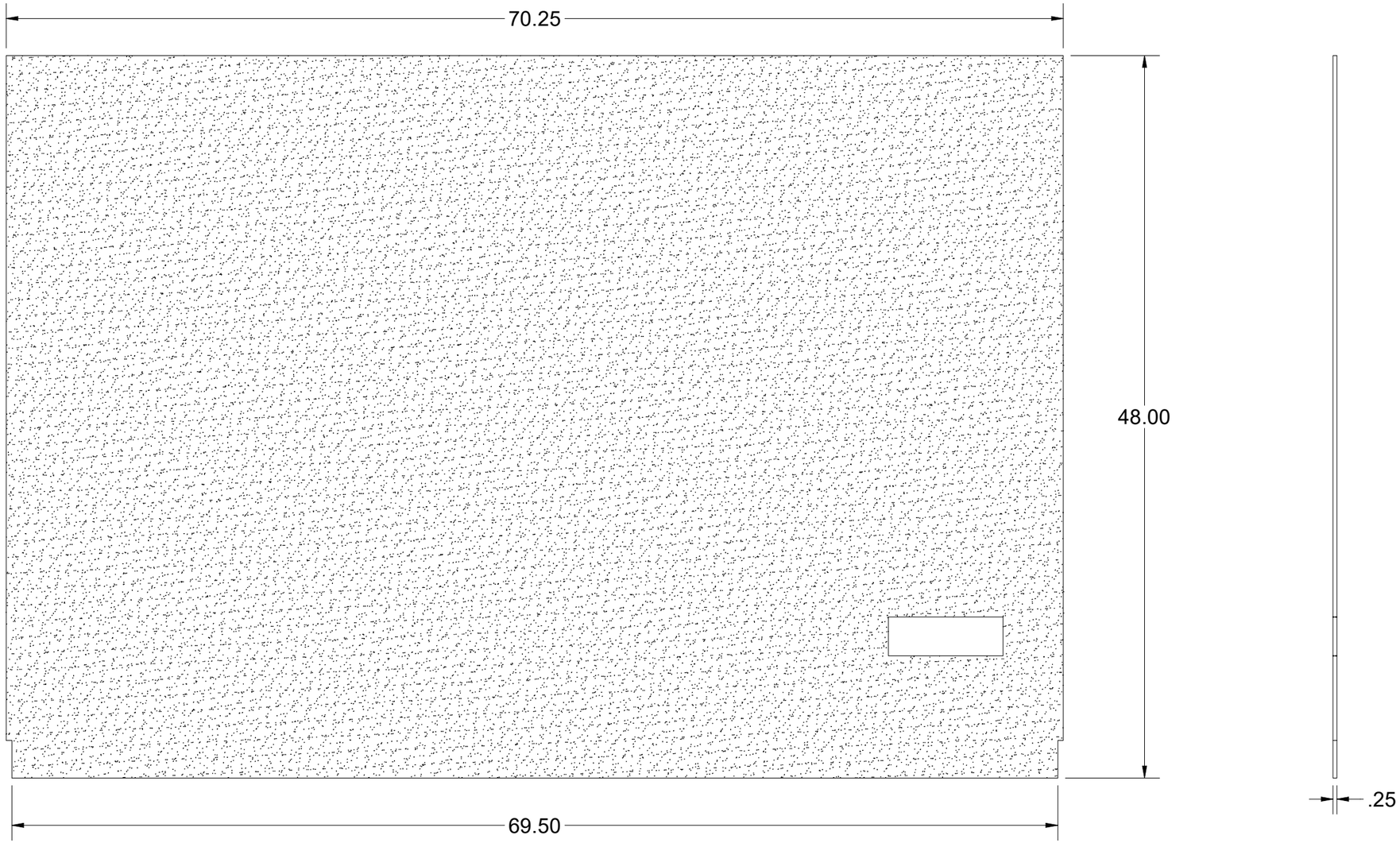
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NAME & DESCRIPTION:	200036081 Door Component Aluminum Side Bar	REV:
WEIGHT: 3.775 lbmass	DRAWN BY: M. Bouchard	SHEET: 13 OF 20
CREATED: 2/13/2020	MODIFIED: 10/20/2026	

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

MATERIAL IFS: 100007804

MATERIAL THK: 0.25

MAT DESCRIPTION: SHT ALUM ASTM 6061 SM-RAW 60W .25

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NAME & DESCRIPTION: 200036083
Door Component Aluminum Plate, Bottom Nameplate

REV: F-1-2

WEIGHT: 82.086 lbmass

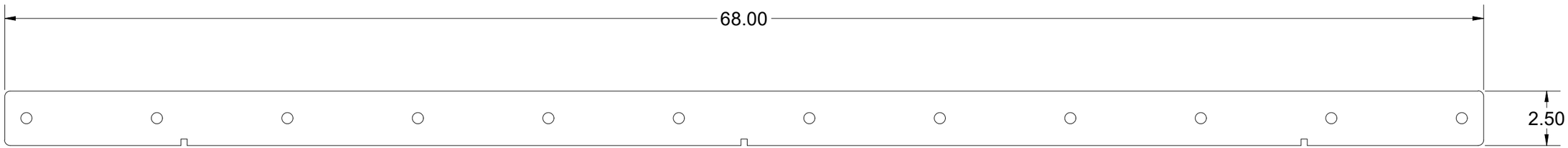
DRAWN BY: M. Bouchard

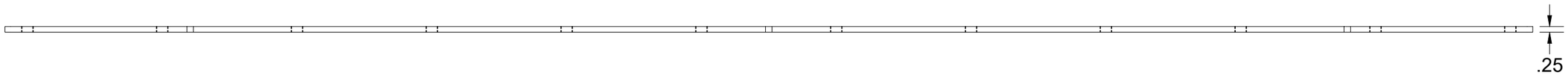
SHEET: 14 OF 20

CREATED: 2/13/2020

MODIFIED: 10/20/2026

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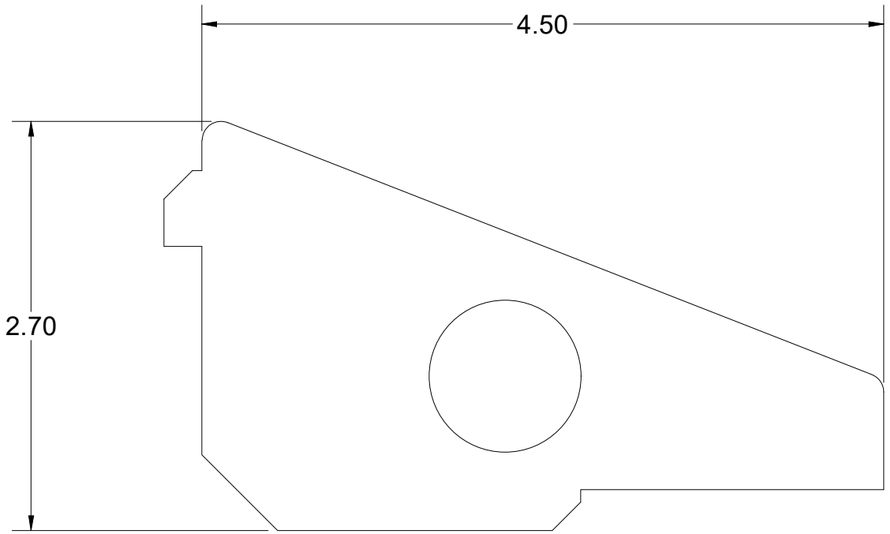


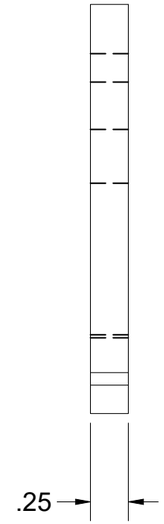
BEND TABLE				MATERIAL IFS: 100007804
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.25
-	-	- 0	-	MAT DESCRIPTION: SHT ALUM ASTM 6061 SM-RAW 60W .25

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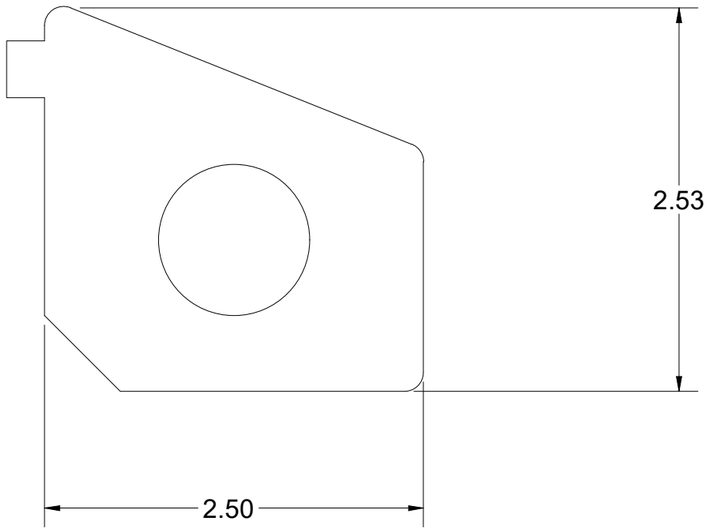
NAME & DESCRIPTION: 200036084 Door Component Aluminum Lap Bar		REV: F-1-2
WEIGHT: 4.100 lbmass	DRAWN BY: M. Bouchard	SHEET: 15 OF 20
CREATED: 2/13/2020	MODIFIED: 10/20/2026	

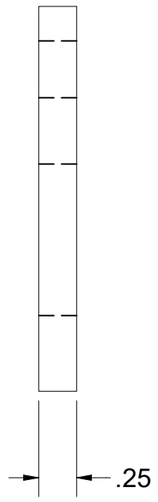




BEND TABLE				MATERIAL IFS: 100007804	Infrastructure JENSEN 527 Dunn Circle, Sparks, NV 89431 775-352-2716 FAX: 755-358-8127 *JENSENMETALTECH.COM*	©2026 Jensen Infrastructure - All rights reserved. All materials appearing as Jensen Infrastructure documents and the like are proprietary work product and 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.	NAME & DESCRIPTION: 200036085 Door Component Aluminum Stiffener, Bar		REV: F-1-2
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.25			WEIGHT: 0.174 lbmass	DRAWN BY: M. Bouchard	SHEET: 16 OF 20
-	-	- 0	-	MAT DESCRIPTION: SHT ALUM ASTM 6061 SM-RAW 60W .25			CREATED: 2/13/2020	MODIFIED: 10/20/2026	

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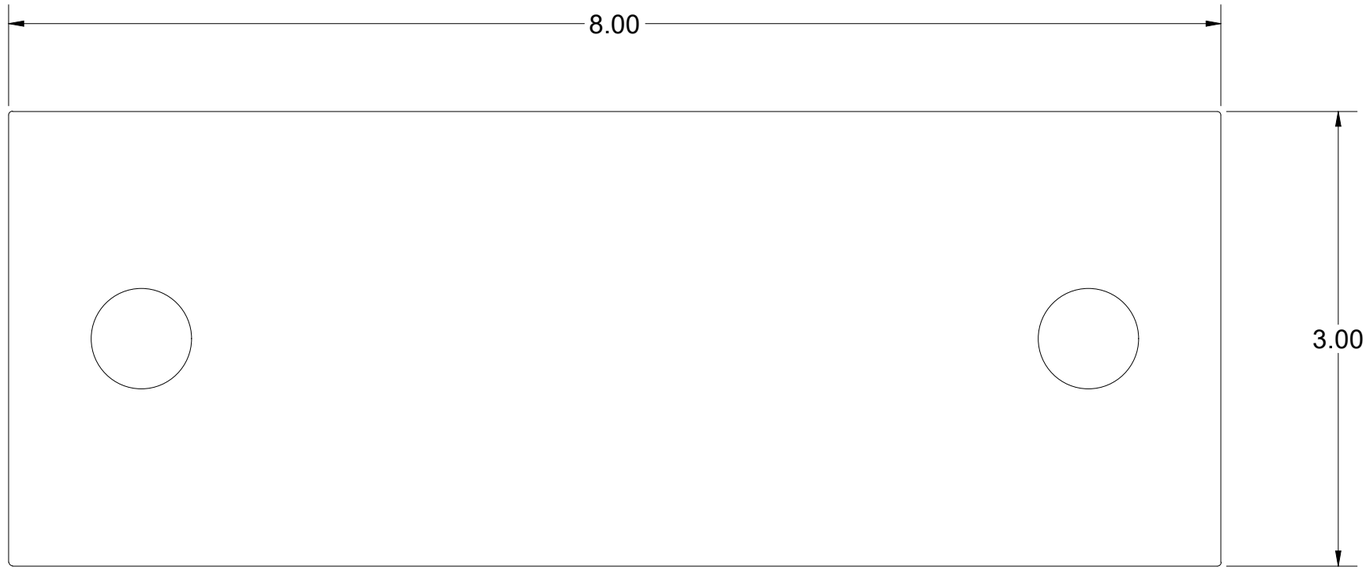
BEND TABLE				MATERIAL IFS: 100007804			
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.25			
-	-	- 0	-	MAT DESCRIPTION: SHT ALUM ASTM 6061 SM-RAW 60W .25			

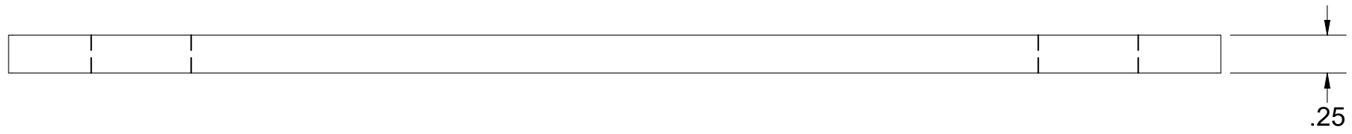
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NAME & DESCRIPTION: 200036086 Door Component Aluminum Stiffener, Plate		REV: F-1-2
WEIGHT: 0.108 lbmass	DRAWN BY: M. Bouchard	SHEET: 17 OF 20
CREATED: 2/13/2020	MODIFIED: 10/20/2026	

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

MATERIAL IFS: 100007804

MATERIAL THK: 0.25

MAT DESCRIPTION: SHT ALUM ASTM 6061 SM-RAW 60W .25

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NAME & DESCRIPTION: 200036154
NAME PLATE BACKING PLATE SMUD

REV: F-1-2

WEIGHT: 0.571 lbmass

DRAWN BY: M. Bouchard

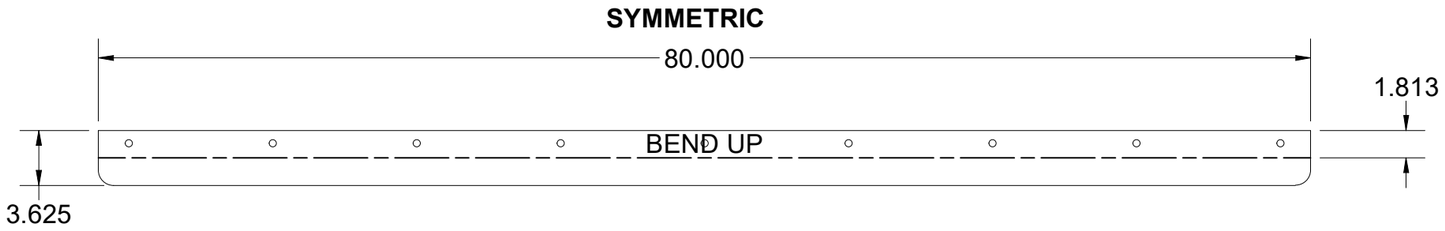
CREATED: 2/13/2020

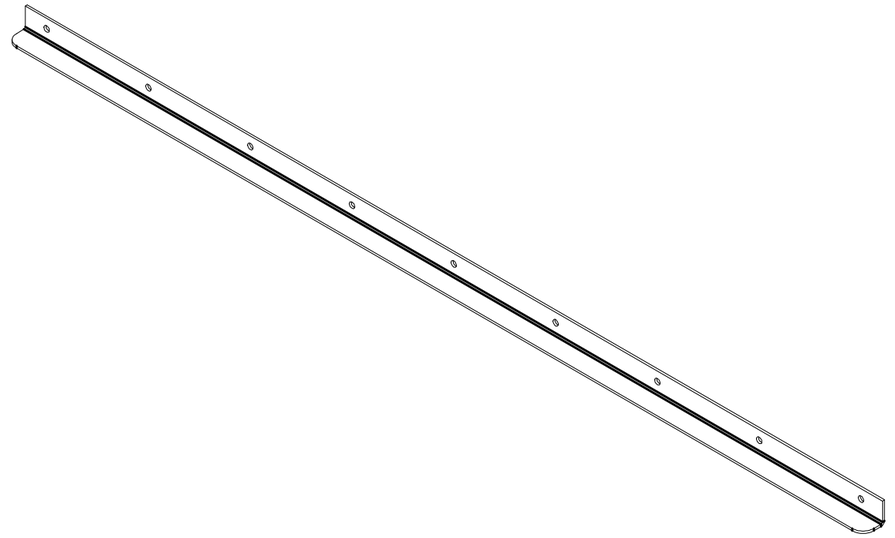
MODIFIED: 10/20/2026

SHEET: 18 OF 20

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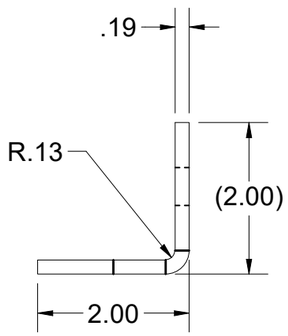
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BEND TABLE				MATERIAL IFS: 100007734
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.1875
0.125	2	90	0.375	MAT DESCRIPTION: STL ASTM A36 SM-HRPO 60X120 RAW .1875

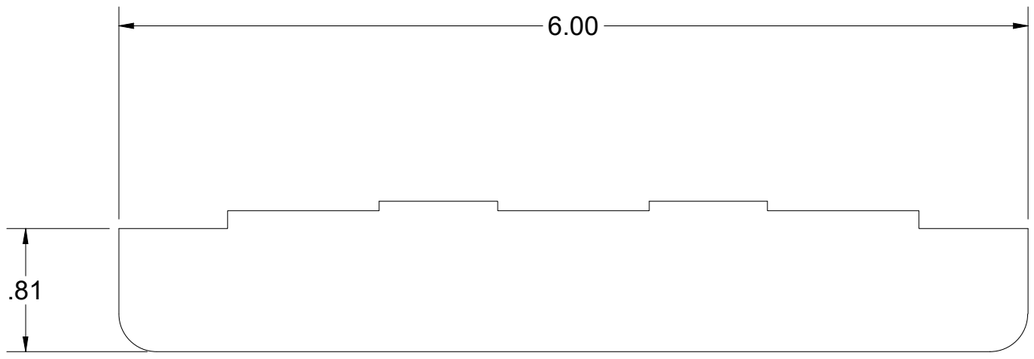
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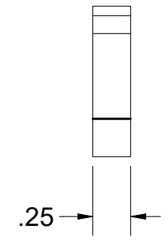
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NAME & DESCRIPTION:		REV:
200078722 Frame Component Steel Frame Side, Gusset		F-1-2
WEIGHT: 15.702 lbmass	DRAWN BY: M. Bouchard	SHEET: 19 OF 20
CREATED: 2/13/2020	MODIFIED: 10/20/2026	

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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: 200127645
Frame Cam Latch Catch Plate - 1/4" A36, Dual Door, 0.8125" Overhang, Oversize

REV: F-1-2

WEIGHT: 0.389 lbmass

DRAWN BY: M. Bouchard

CREATED: 2/13/2020

MODIFIED: 10/20/2026

SHEET: 20 OF 20

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