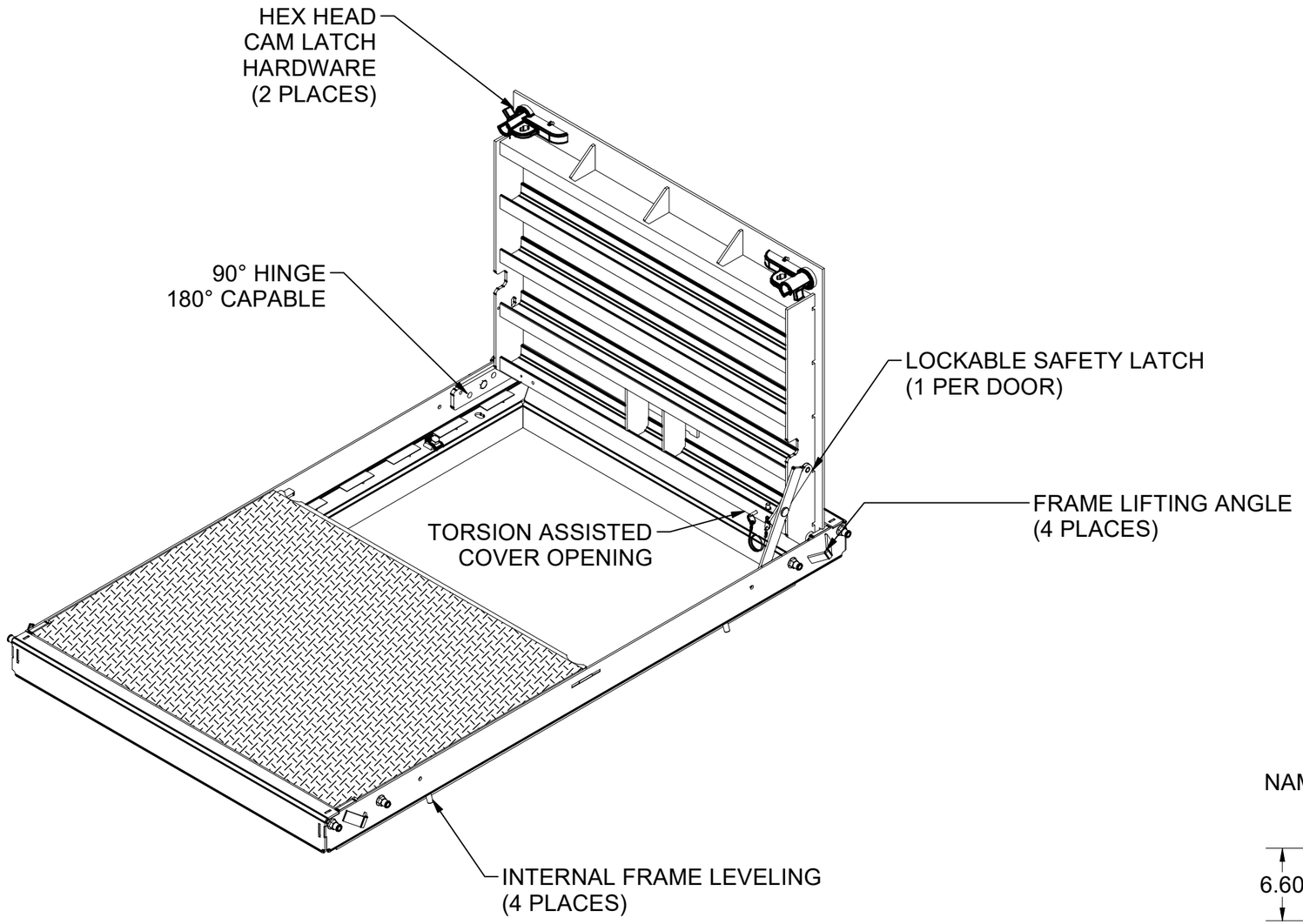
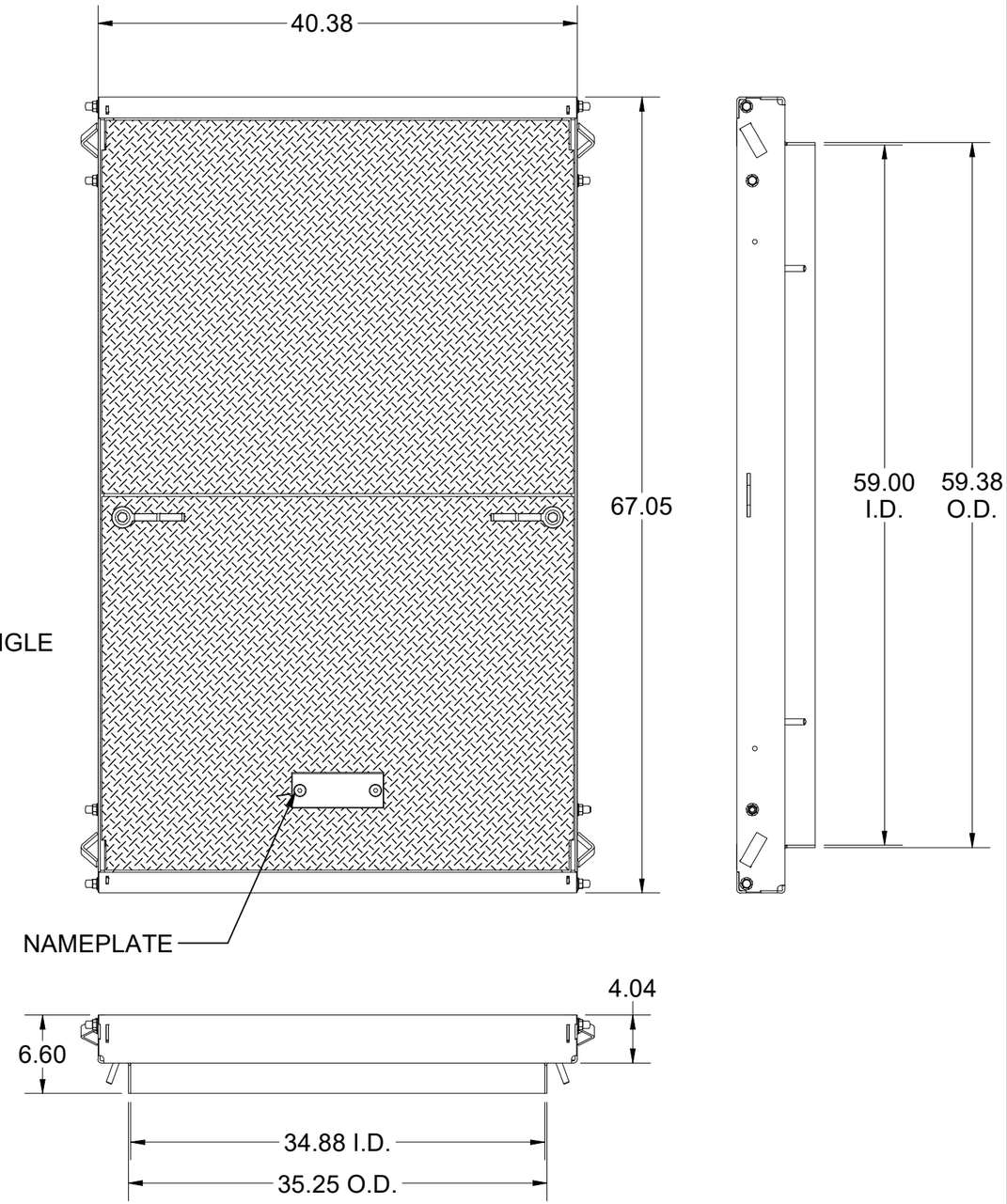




100002383.idw

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:	Raw
WEIGHT:	255.07 lbs	MARKING:	None

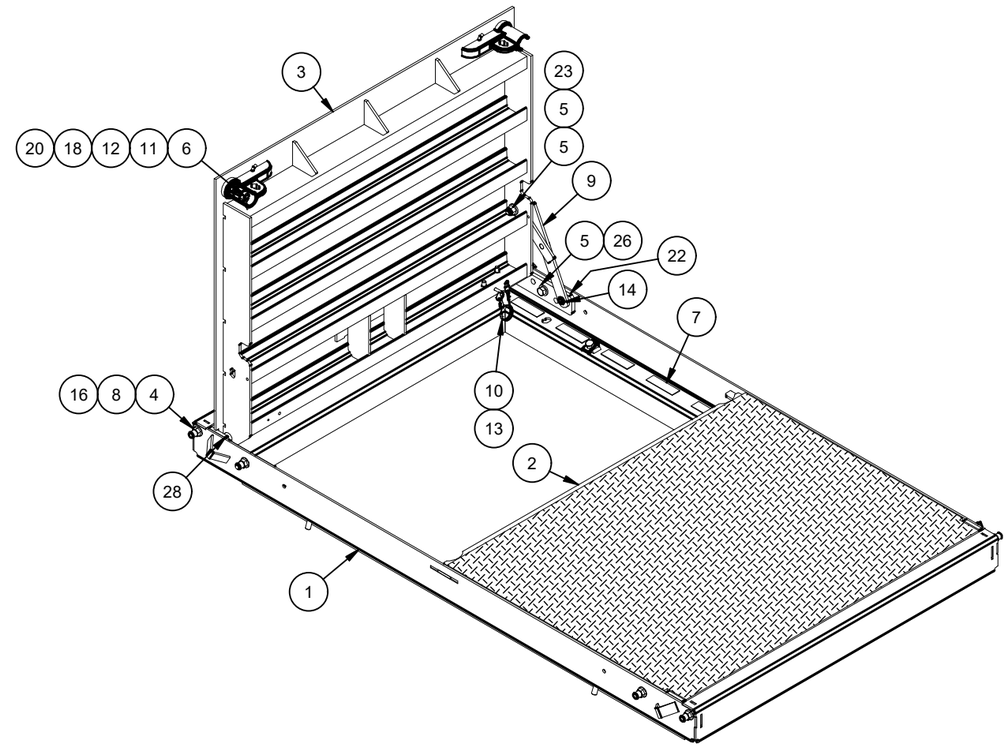
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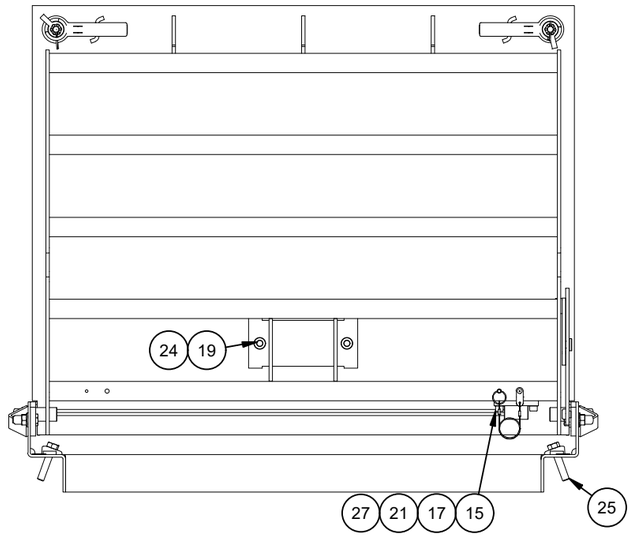
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DESCRIPTION:	CAB2-3660-AH4-DP-R-CL-LV-OH06-(EMBARQ 400) 36x60 Standard Cover Assembly (ASTM C1802 Load Level 04, Bi-Metal, Hinged, Handle (1 Per Door), Diamond Plate, Raw, N/A, N/A (EMBARQ 400)) 06	REV:	C-2-1
PART NUMBER:	100002383	DRAWN BY:	M. Bouchard
CREATED:	3/2/2020	MODIFIED:	10/5/2026
		SHEET:	1

BILL OF MATERIALS

ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	1	1	200036810	FAS-3660-AH4-R-LV-OH07-(EMBARQ 400)	200036810
2	1	1	200036804	DAA2-B-3660-H4-DP-R-LV-(EMBARQ 400)	200036804
3	1	1	200036808	DAA2-T-3660-H4-DP-R-LV-(EMBARQ 400)	200036808
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	2	2	100011407	Hex Bolt 1/2-13 UNC ZINC - PT - 2.25"	100011407
7	20	20	100007964	RUBBER PAD	100007964
8	8	8	100007939	CAP VINYL .467 X 1/2	100007939
9	2	2	100007933	SAFETY LATCH ASSY FOR UNI AND 90 D HINGE	100007933
10	2	2	100007924	LANYARD 3/64 W/PIN COATED SS	100007924
11	2	2	100007918	COTTER PIN 0.094DIA X 1-1/4	100007918
12	2	2	100007915	SPRING COMPRESSION 055 X 5/8 X 7/8 LONG	100007915
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	4	4	100007873	BOLT SHCS 3/8-16 X 1-1/4 PLATED	100007873
16	4	4	100007869	BOLT SOCKET CAP - 1/2-13 UNC - 1.75 - 316SS	100007869
17	4	4	100007859	RIVET NUT 3/8-16 FLAT KNURLED	100007859
18	2	2	100007857	NUT FINGER 1/2-13 BRASS	100007857
19	2	2	100007733	Bolt Socket Flat Countersunk Head - 1/2-13 UNC - Grade 5 - Zinc - FT - 1"	100007733
20	2	2	100007729	HEX NUT SLOTTED CASTLE HEAD 1/2-13 SS	100007729
21	2	2	100007670	SPRING MOUNT ASSY .438	100007670
22	2	2	100007666	Hinge Assembly, Right, Steel	100007666
23	2	2	100007492	HEX NUT NYLOCK - 1/2-13 UNC - GR5 - ZINC	100007492
24	1	1	100007391	NAME PLATE STEEL - BLANK	100007391
25	4	4	100005059	BOLT HEX 1/2-13 UNC 2.5 ZINC	100005059
26	4	4	100003823	Hex Bolt 1/2-13 UNC ZINC - PT - 1.5"	100003823
27	2	2	100007726	TORSION HEX ROD .4375 x 36in RAW	100007726
28	2	2	100007657	Hinge Assembly, Left, 7/16, Steel	100007657





100002383.idw

REVISION HISTORY		
DESCRIPTION	DATE	REVISED BY
REPLACED ANGLE WITH C-CHANNEL, NEWPS, NEW NEST	12/2/2021	
NEW NEST, NEW BOM; CLEARANCED LEVEL BOLT NOTCH PER ERM 55573-1; CHANGED PEM NUTS IN FRAME TO FLANGE NUTS; BROUGHT TO CURRENT DRAWING STANDARD	7/21/2023	
54495-2: CLEANED UP FRAME. ADDED CLEARENCE TO SIDEBARS.	6/06/2025	COLLIN HEYWOOD
ADDED NAMEPLATE GUSSETS PER SHOP REQUEST	10/5/2026	R. DOHR

MATERIAL FINISH: Raw

MATERIAL SURFACE: Diamond Plate

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PART NUMBER & DESCRIPTION: 100002383 CAB2-3660-AH4-DP-R-CL-LV-OH06-(EMBARQ 400)

REV: C-2-1

WEIGHT: 255.07 Lbs

DRAWN BY: M. Bouchard

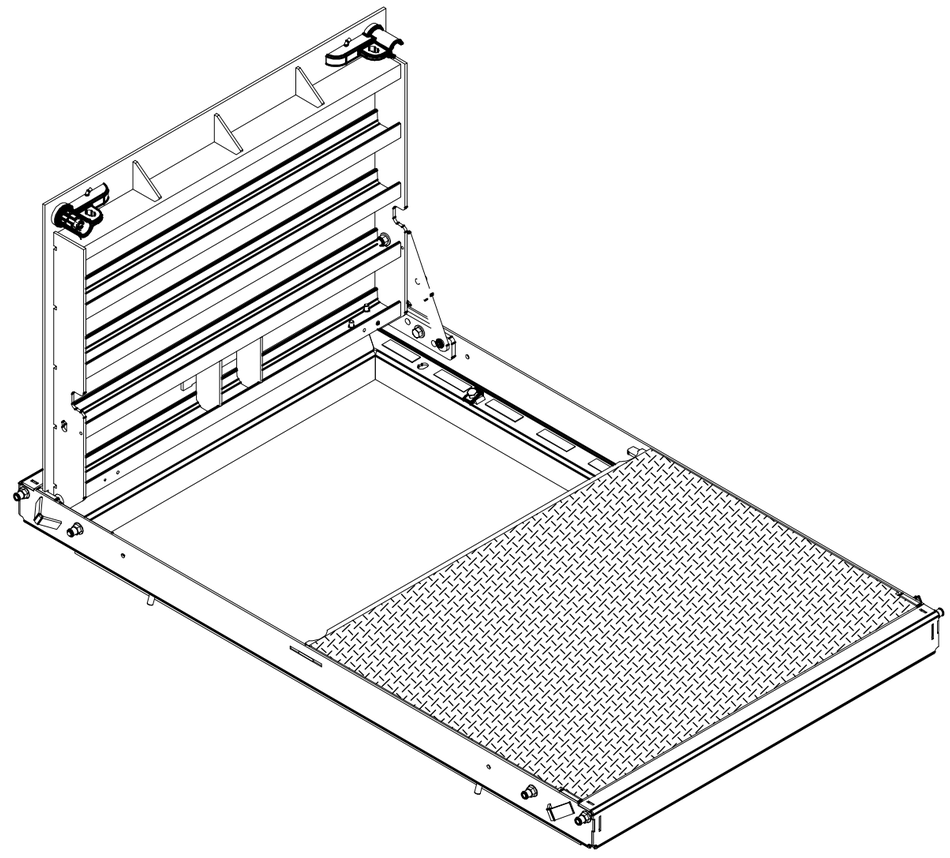
CREATED: 3/2/2020

MODIFIED: 10/5/2026

SHEET: 2

BURN LIST - BOM

PART NAME	ITEM QTY	QTY	DESCRIPTION	STOCK NUMBER	MATERIAL	MASS	SHEET
200036812	2	59.854 lbmass	Frame Component Steel Frame Side, Adjustable Clevis Mount	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	29.927 lbmass	08
200036811	2	47.404 lbmass	Frame Component Steel Frame End, Adjustable Clevis Mount	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	23.702 lbmass	09
200029366	1	0.690 lbmass	NAME PLATE BACKING PLATE ALUM	100007811	SHT ALUM ASTM 5052 SM RAW .25	0.690 lbmass	10
200036805	1	1.414 lbmass	Door Component Aluminum Lap Bar	100007804	SHT ALUM ASTM 6061 SM-RAW 60W .25	1.414 lbmass	11
200036809	1	31.194 lbmass	Door Component Aluminum Plate, Top Nameplate	100007808	SHT ALUM ASTM 6061 DP RAW .25	31.194 lbmass	12
200036806	1	32.062 lbmass	Door Component Aluminum Plate, Bottom	100007808	SHT ALUM ASTM 6061 DP RAW .25	32.062 lbmass	13
200036824	2	4.762 lbmass	Door Component Aluminum Side Bar	100007804	SHT ALUM ASTM 6061 SM-RAW 60W .25	2.381 lbmass	14
200036807	2	4.420 lbmass	Door Component Aluminum Side Bar	100007804	SHT ALUM ASTM 6061 SM-RAW 60W .25	2.210 lbmass	15
200036816	3	0.394 lbmass	CANTILEVER GUSSET	100007804	SHT ALUM ASTM 6061 SM-RAW 60W .25	0.131 lbmass	16
200036823	3	0.620 lbmass	CANTILEVER GUSSET WITH CUTOUT	100007804	SHT ALUM ASTM 6061 SM-RAW 60W .25	0.207 lbmass	17
200127077	2	0.747 lbmass	NAMEPLATE GUSSET	100007804	SHT ALUM ASTM 6061 SM-RAW 60W .25	0.373 lbmass	19



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MATERIAL FINISH: Raw

MATERIAL SURFACE: Diamond Plate

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PART NUMBER & DESCRIPTION: 100002383 CAB2-3660-AH4-DP-R-CL-LV-OH06-(EMBARQ 400)

REV: C-2-1

WEIGHT: 255.07 Lbs

DRAWN BY: M. Bouchard

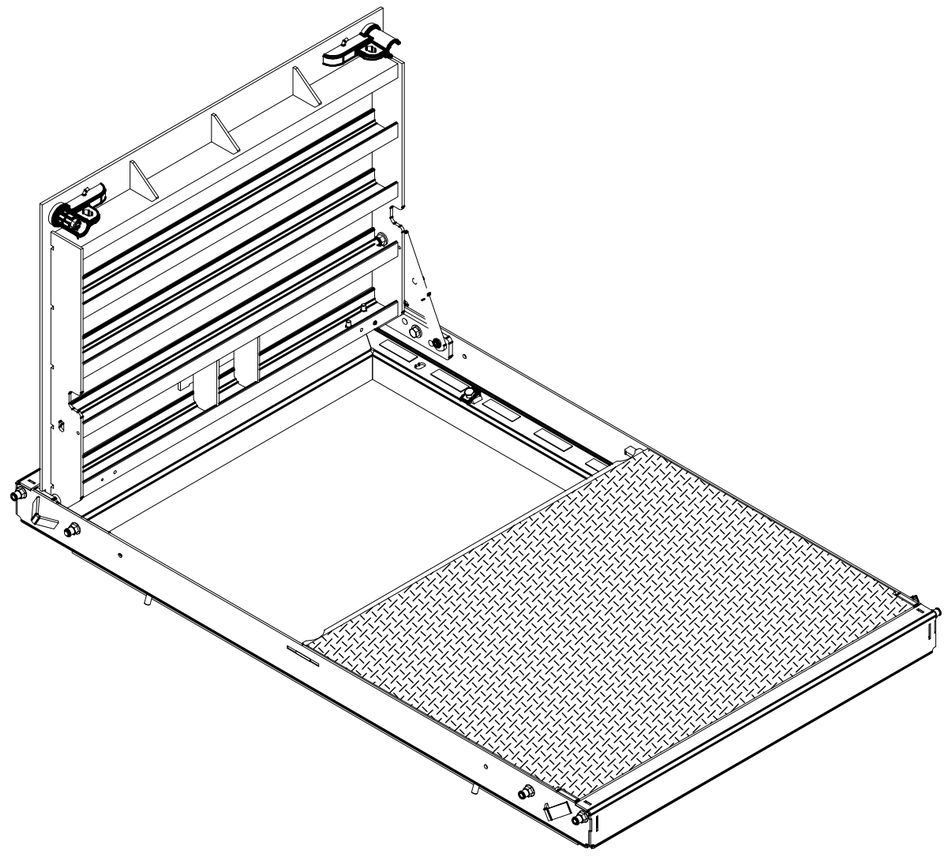
CREATED: 3/2/2020

MODIFIED: 10/5/2026

SHEET: 3

CUT LIST - BOM

PART NAME	ITEM QTY	BASE QTY	QTY	DESCRIPTION	PART NUMBER	MASS	SHEET
	8	37.250 in	298.000 in	STRUCTURAL CHANNEL" - Aluminum - C 3 x 1.434	100033703	4.384 lbmass	
200036817	2	37.250 in	74.500 in	STRUCTURAL CHANNEL" - Aluminum - C 3 x 1.434	100033703	4.375 lbmass	18



100002383.idw

MATERIAL FINISH: Raw

MATERIAL SURFACE: Diamond Plate

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PART NUMBER & DESCRIPTION: 100002383
CAB2-3660-AH4-DP-R-CL-LV-OH06-(EMBARQ 400)

REV: C-2-1

WEIGHT: 255.07 Lbs

DRAWN BY: M. Bouchard

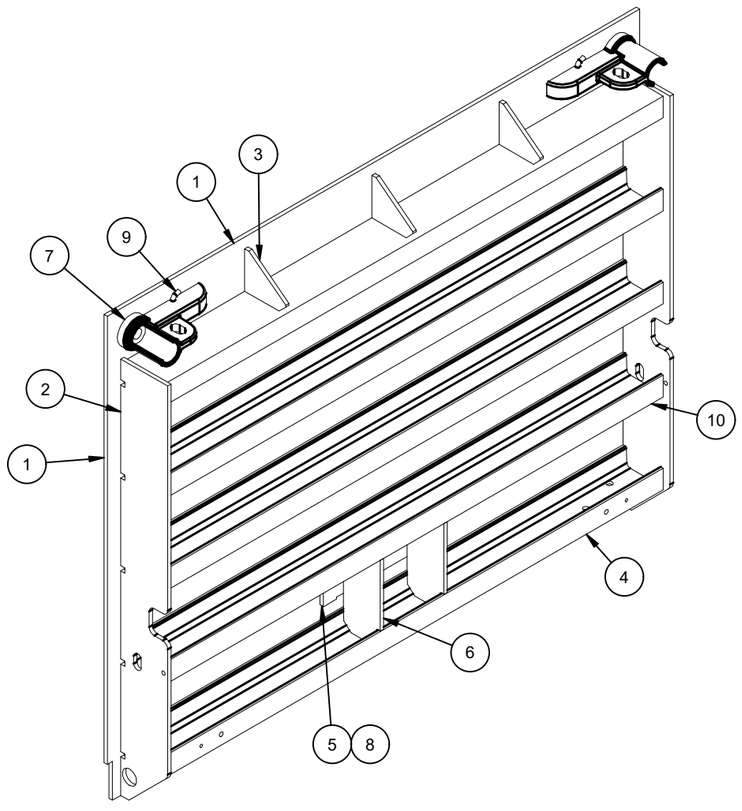
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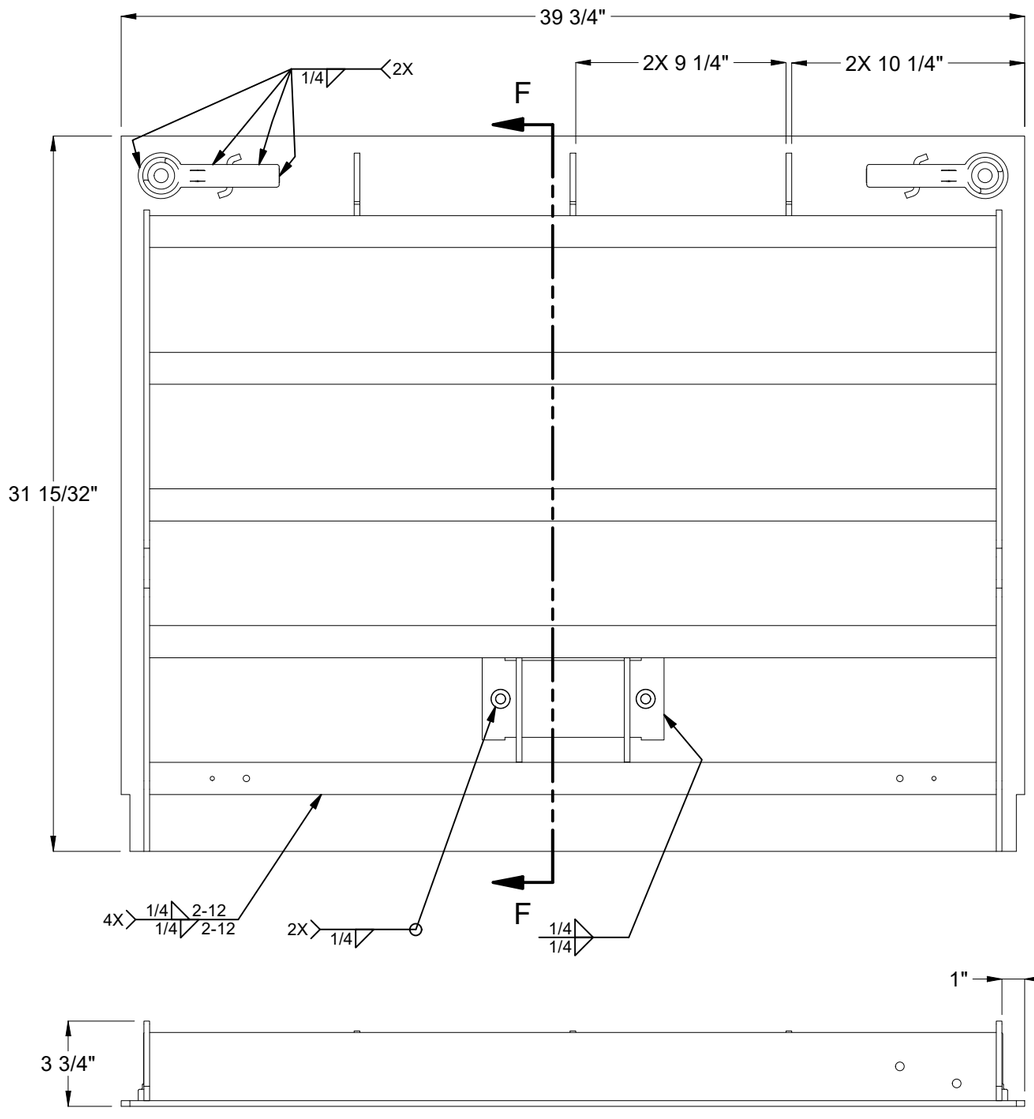
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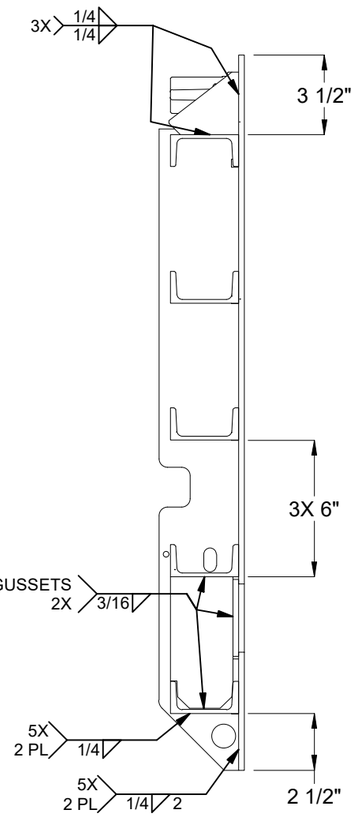
SHEET: 4

BILL OF MATERIALS

ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	1	31.194 lbmass	100007808	Door Component Aluminum Plate, Top Nameplate	200036809
2	2	4.420 lbmass	100007804	Door Component Aluminum Side Bar	200036807
3	3	0.394 lbmass	100007804	CANTILEVER GUSSET	200036816
4	1	37.250 in	100033703	STRUCTURAL CHANNEL" - Aluminum - C 3 x 1.434	200036817
5	1	0.690 lbmass	100007811	NAME PLATE BACKING PLATE ALUM	200029366
6	2	0.747 lbmass	100007804	NAMEPLATE GUSSET	200127077
7	2	2	100007934	CAST-ING TOWER PICK HOLE COMBO ALUM	100007934
8	2	2	100007864	NUT 1/2-13 WELDABLE ALUM	100007864
9	2	2	100007916	CLIP PICK HOLE 304SS	100007916
10	4	149.000 in	100033703	STRUCTURAL CHANNEL" - Aluminum - C 3 x 1.434	100033703







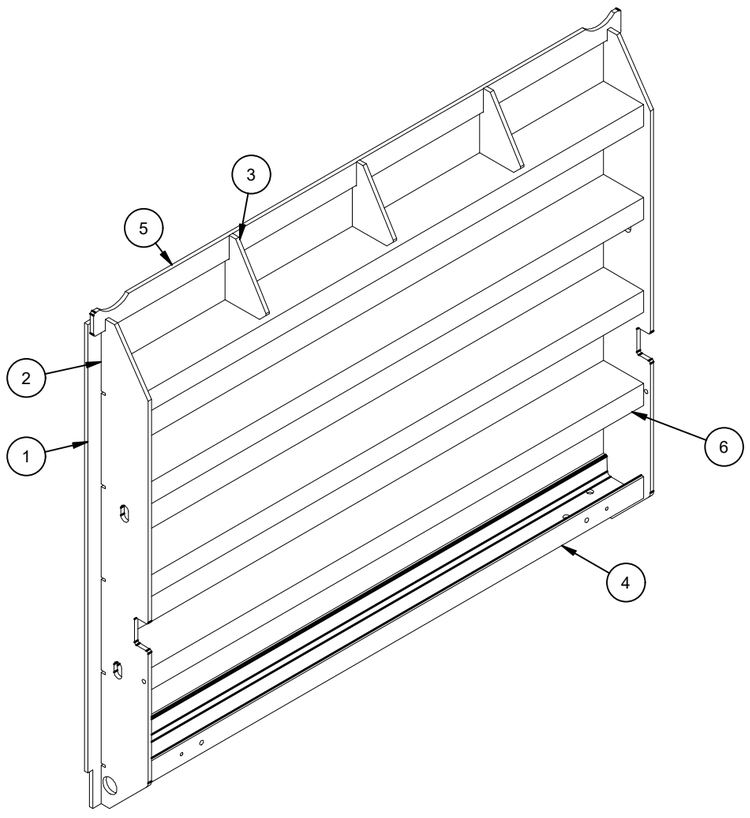
SECTION F-F

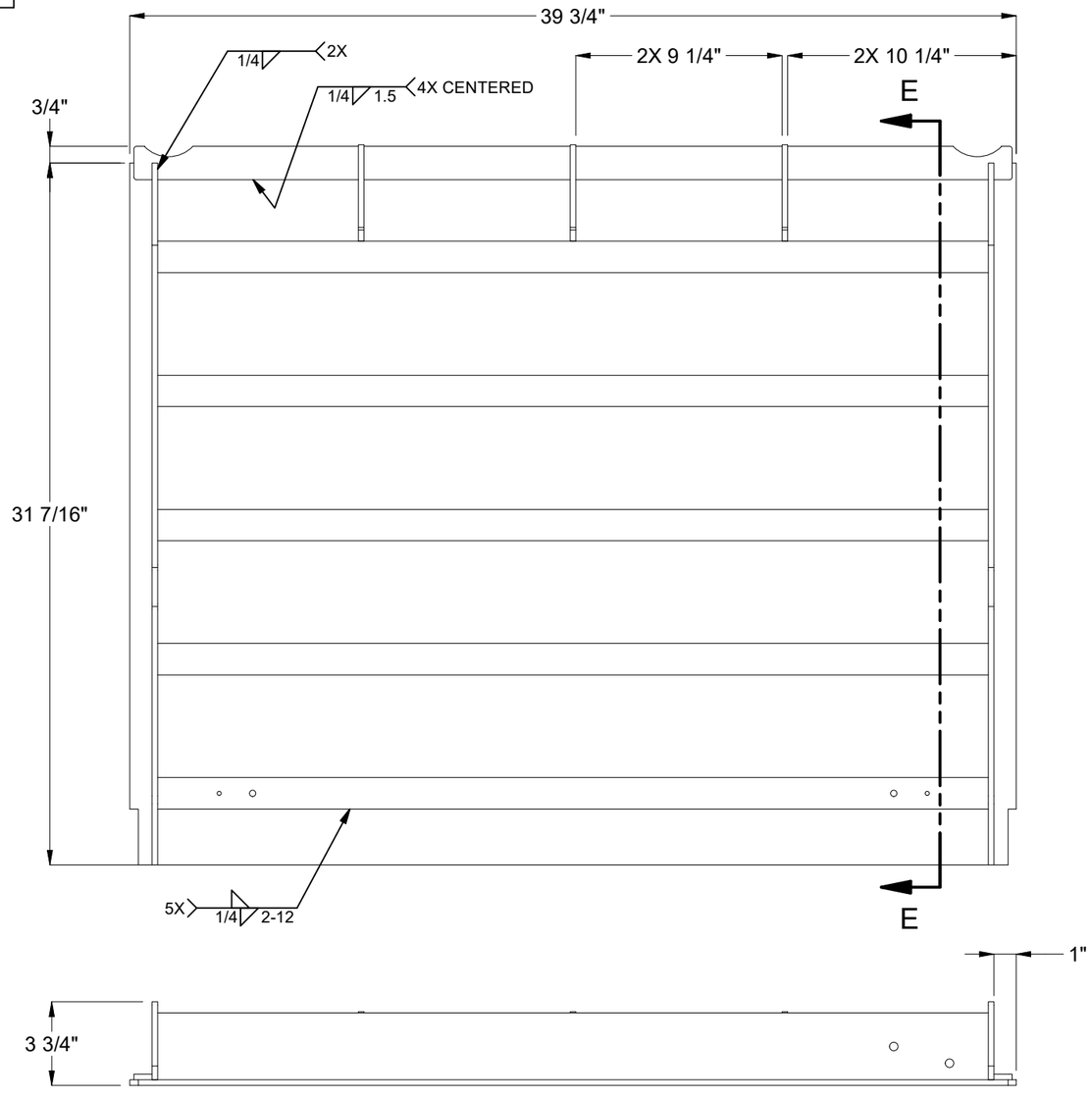
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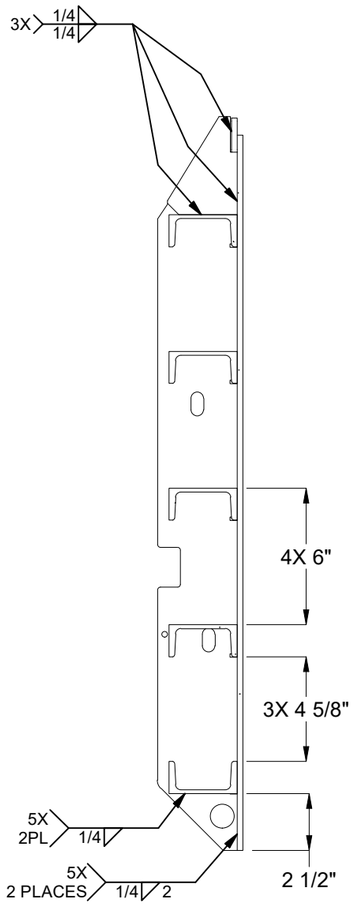
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MATERIAL SURFACE: Diamond Plate			WEIGHT: 60.81 Lbs / DRAWN BY: M. Bouchard / CREATED: 3/2/2020 / MODIFIED: 10/5/2026 / SHEET: 5

BILL OF MATERIALS

ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	1	32.062 lbmass	100007808	Door Component Aluminum Plate, Bottom	200036806
2	2	4.774 lbmass	100007804	Door Component Aluminum Side Bar	200036824
3	3	0.620 lbmass	100007804	CANTILEVER GUSSET WITH CUTOUT	200036823
4	1	37.250 in	100033703	STRUCTURAL CHANNEL" - Aluminum - C 3 x 1.434	200036817
5	1	1.414 lbmass	100007804	Door Component Aluminum Lap Bar	200036805
6	4	149.000 in	100033703	STRUCTURAL CHANNEL" - Aluminum - C 3 x 1.434	100033703







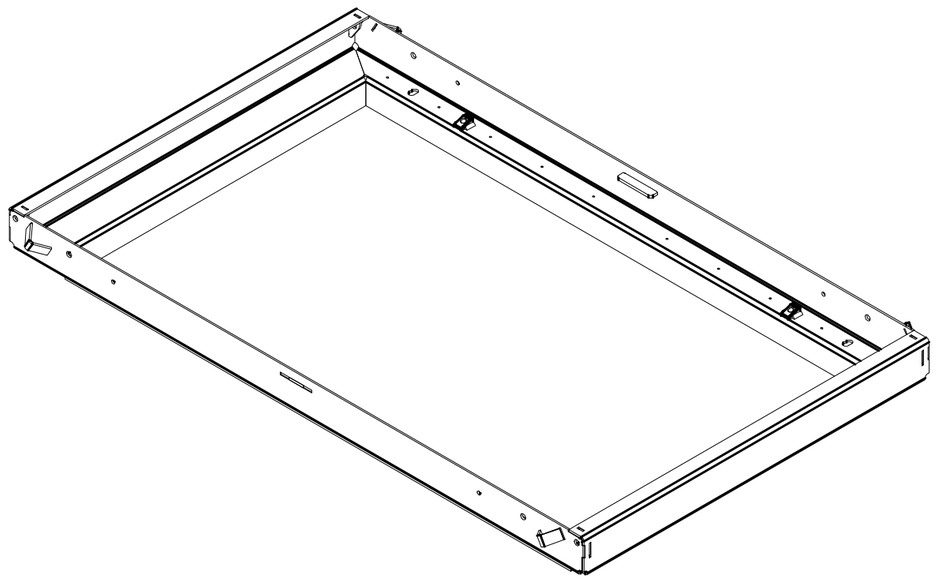
SECTION E-E

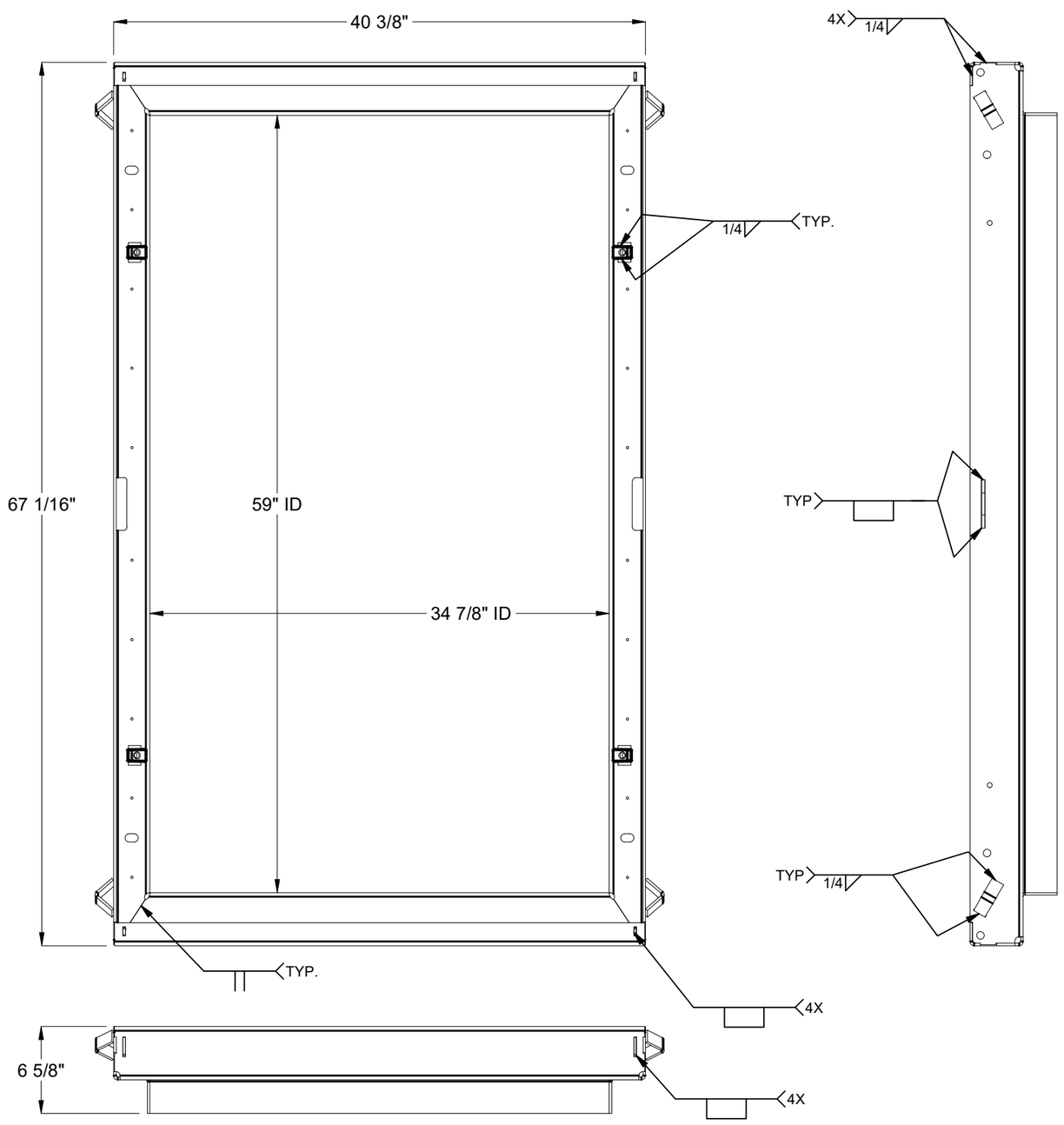
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MATERIAL SURFACE: Diamond Plate			WEIGHT: 60.77 Lbs CREATED: 3/2/2020	DRAWN BY: M. Bouchard MODIFIED: 10/5/2026
				SHEET: 6

100002383.idw

BILL OF MATERIALS

ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	2	59.854 lbmass	100007734	Frame Component Steel Frame Side, Adjustable Clevis Mount	200036812
2	4	4	200018691	FRAME BOLT DOUBLER SLOT	200018691
3	2	47.404 lbmass	100007734	Frame Component Steel Frame End, Adjustable Clevis Mount	200036811
4	2	2	100007735	Frame Cam Latch Catch Plate - 1/4" A36, Dual Door, 0.8125" Overhang	200100755
5	4	4	100007641	FRAME LIFTING BRACKET	100007641
6	4	4	100007863	NUT LEVELER 1/2-13 WELDABLE CAST STEEL	100007863

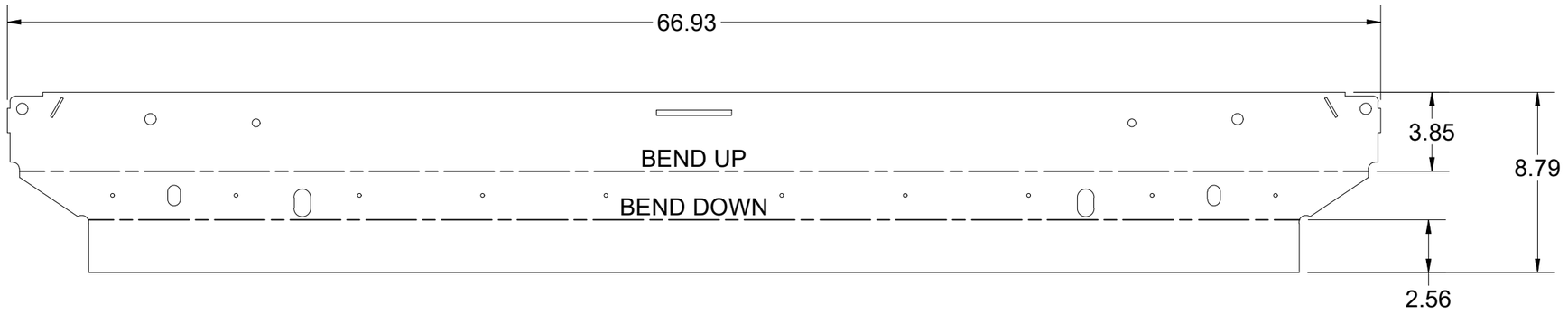


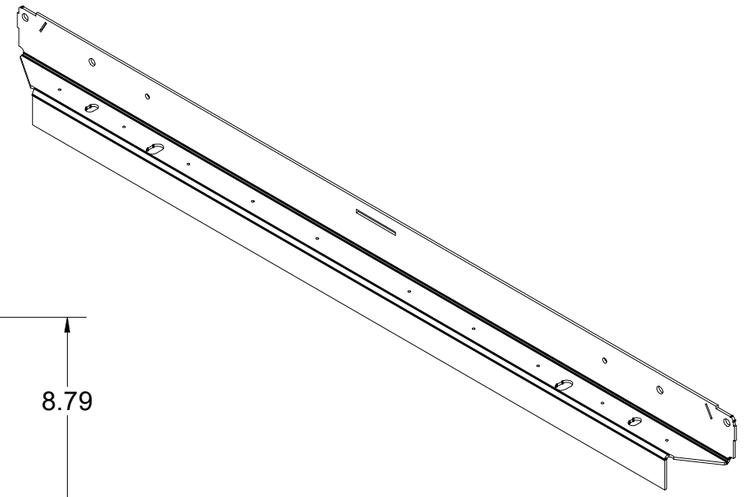


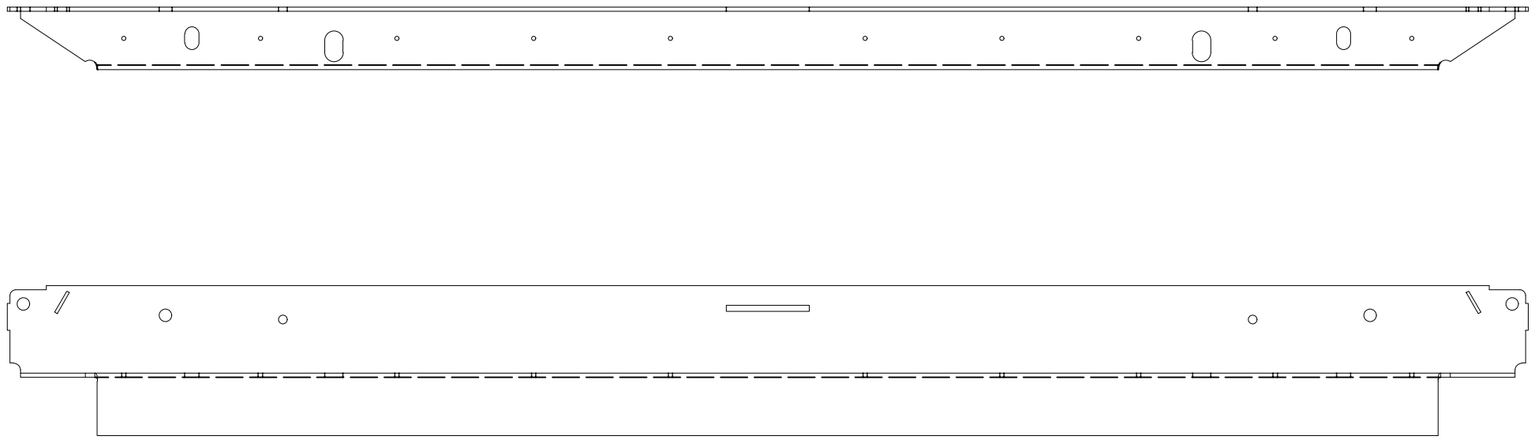
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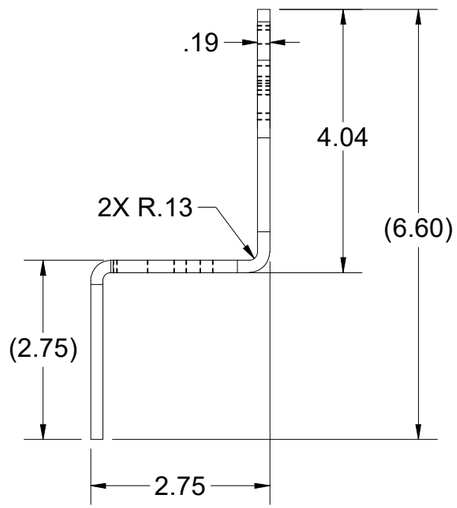
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MATERIAL SURFACE: Smooth			WEIGHT: 140 Lbs — DRAWN BY: M. Bouchard — SHEET: 7
			CREATED: 3/2/2020 — MODIFIED: 10/5/2026

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

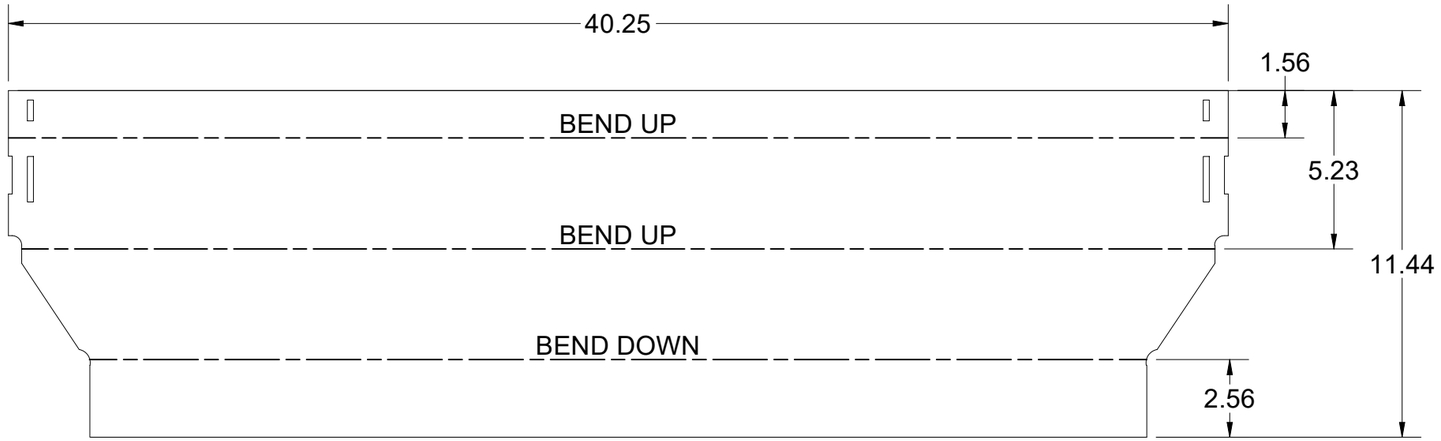
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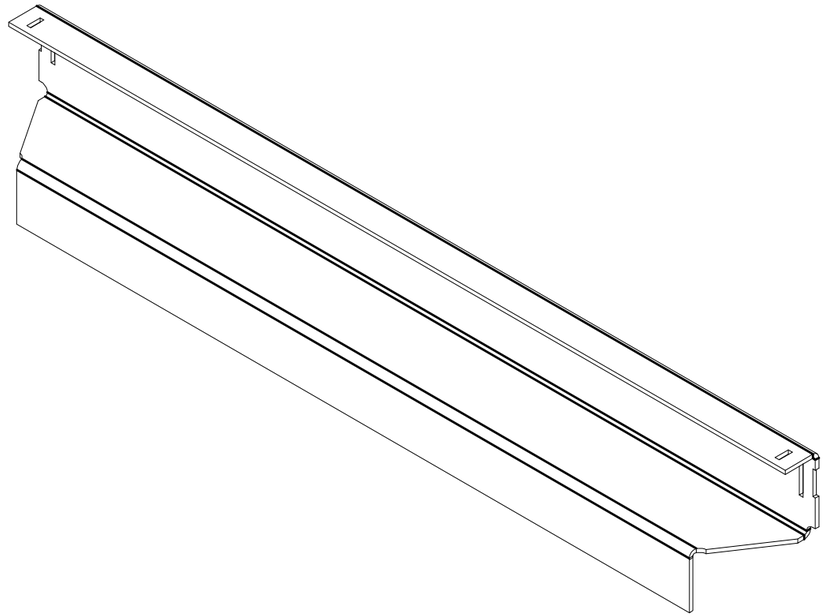
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NAME & DESCRIPTION: 200036812 Frame Component Steel Frame Side, Adjustable Clevis Mount		REV: C-2-1
WEIGHT: 29.927 lbmass	DRAWN BY: M. Bouchard	SHEET: 8 OF 19
CREATED: 3/2/2020	MODIFIED: 10/5/2026	

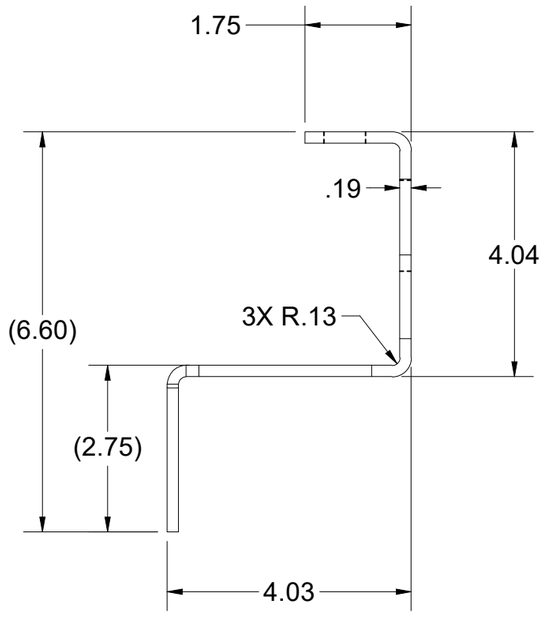
100002383.idw

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: 200036811
Frame Component Steel Frame End, Adjustable Clevis Mount

REV: C-2-1

WEIGHT: 23.702 lbmass

DRAWN BY: M. Bouchard

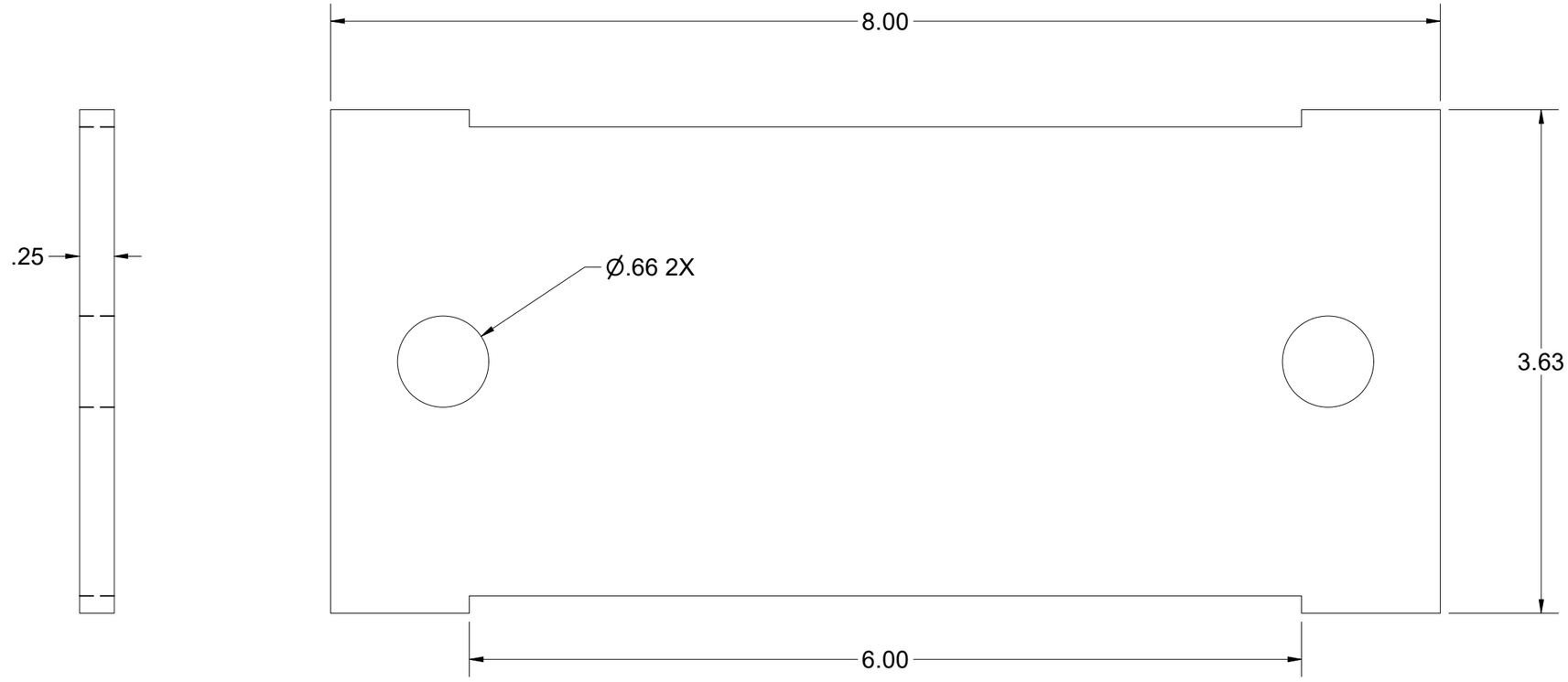
CREATED: 3/2/2020

MODIFIED: 10/5/2026

SHEET: 9 OF 19

100002383.idw

SYMMETRIC



100002383.idw

BEND TABLE				MATERIAL IFS: 100007811
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.25
-	-	-	-	MAT DESCRIPTION: SHT ALUM ASTM 5052 SM RAW .25

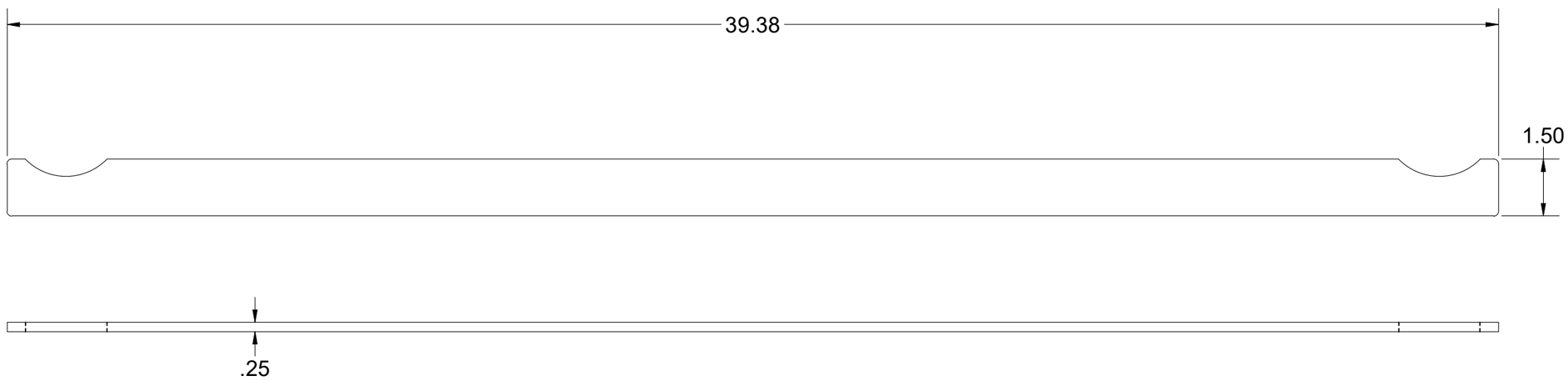
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NAME & DESCRIPTION: 200029366 NAME PLATE BACKING PLATE ALUM		REV: C-2-1
WEIGHT: 0.690 lbmass	DRAWN BY: M. Bouchard	SHEET: 10 OF 19
CREATED: 3/2/2020	MODIFIED: 10/5/2026	

SYMMETRIC



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

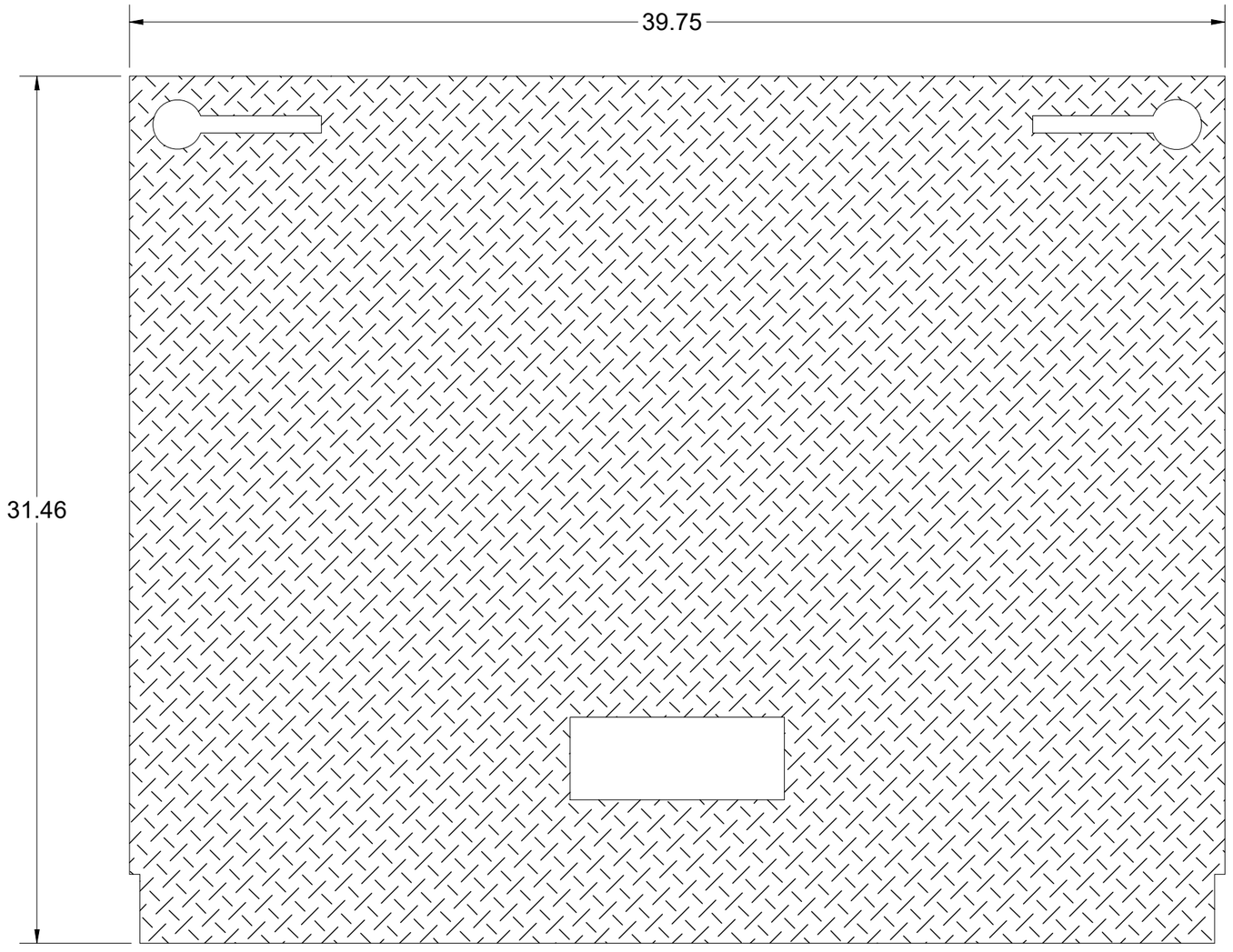
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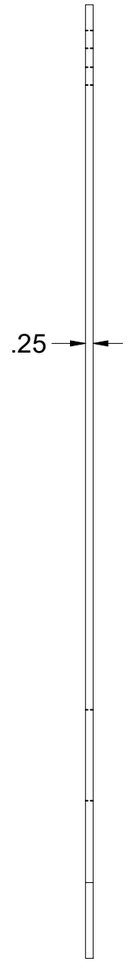
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NAME & DESCRIPTION: 200036805 Door Component Aluminum Lap Bar		REV: C-2-1
WEIGHT: 1.414 lbmass	DRAWN BY: M. Bouchard	SHEET: 11 OF 19
CREATED: 3/2/2020	MODIFIED: 10/5/2026	

100002383.idw

SYMMETRIC





100002383.idw

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

MATERIAL IFS: 100007808

MATERIAL THK: 0.25

MAT DESCRIPTION: SHT ALUM ASTM 6061 DP RAW .25

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NAME & DESCRIPTION: 200036809
Door Component Aluminum Plate, Top Nameplate

REV: C-2-1

WEIGHT: 31.194 lbmass

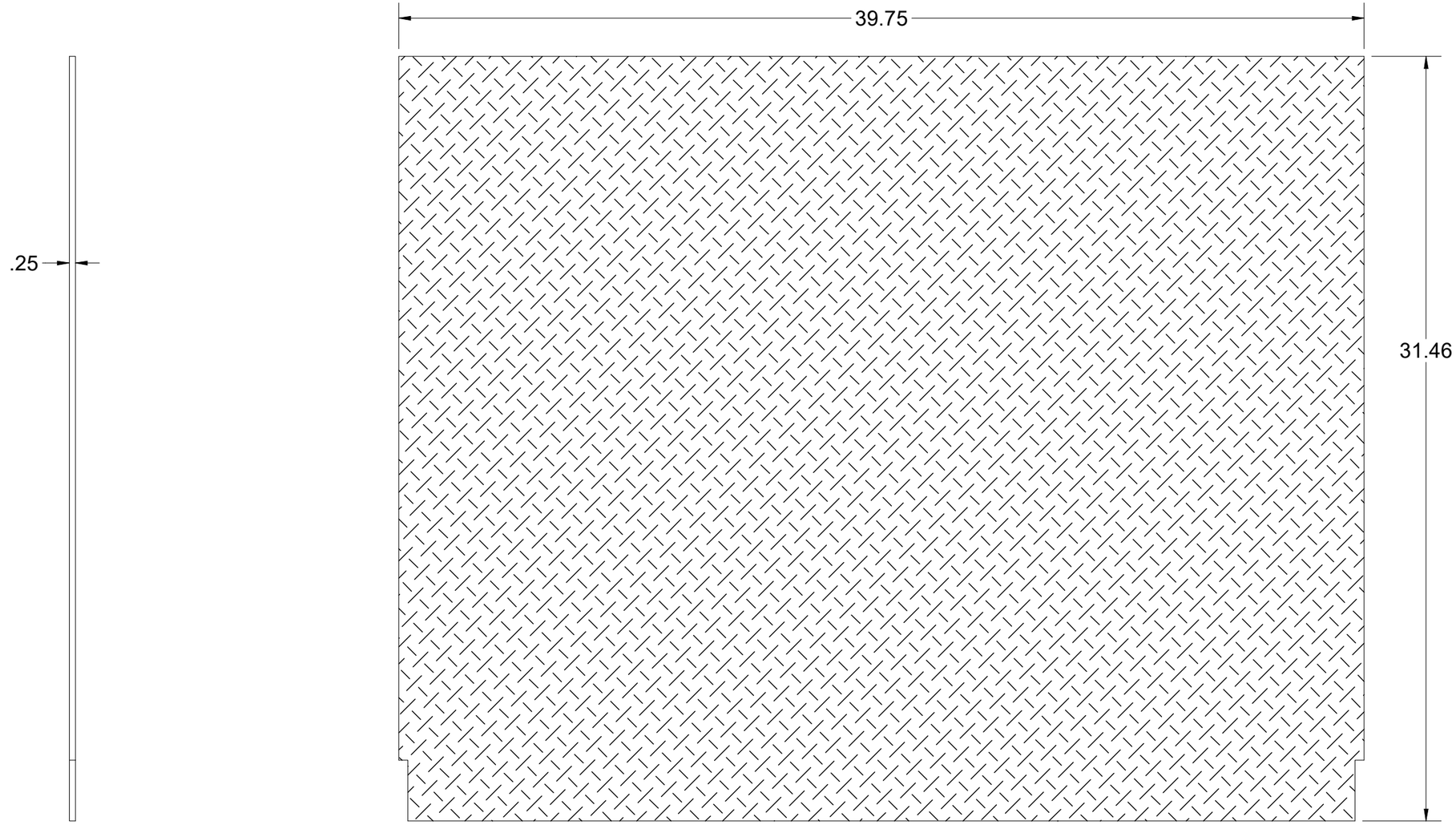
DRAWN BY: M. Bouchard

CREATED: 3/2/2020

MODIFIED: 10/5/2026

SHEET: 12 OF 19

SYMMETRIC



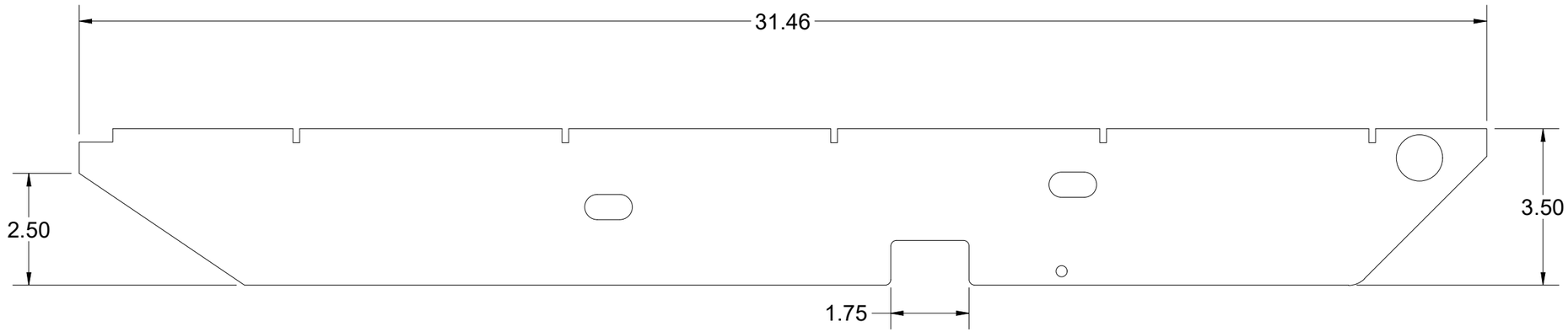
100002383.idw

BEND TABLE				MATERIAL IFS: 100007808
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.25
-	-	- 0	-	MAT DESCRIPTION: SHT ALUM ASTM 6061 DP RAW .25

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NAME & DESCRIPTION: 200036806 Door Component Aluminum Plate, Bottom		REV: C-2-1
WEIGHT: 32.062 lbmass	DRAWN BY: M. Bouchard	SHEET: 13 OF 19
CREATED: 3/2/2020	MODIFIED: 10/5/2026	





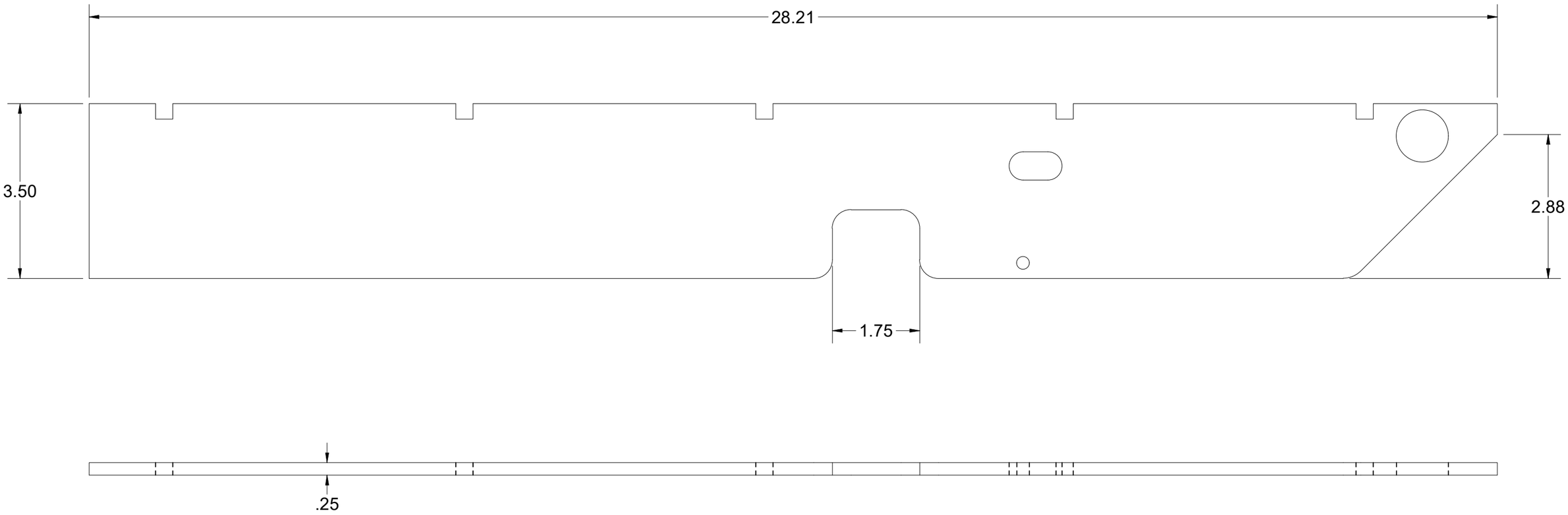
BEND TABLE				MATERIAL IFS: 100007804
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.25
-	-	- 0	-	MAT DESCRIPTION: SHT ALUM ASTM 6061 SM-RAW 60W .25

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NAME & DESCRIPTION:		REV:
200036824 Door Component Aluminum Side Bar		C-2-1
WEIGHT: 2.381 lbmass	DRAWN BY: M. Bouchard	SHEET: 14 OF 19
CREATED: 3/2/2020	MODIFIED: 10/5/2026	

100002383.idw



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: 200036807 Door Component Aluminum Side Bar

REV: C-2-1

WEIGHT: 2.210 lbmass

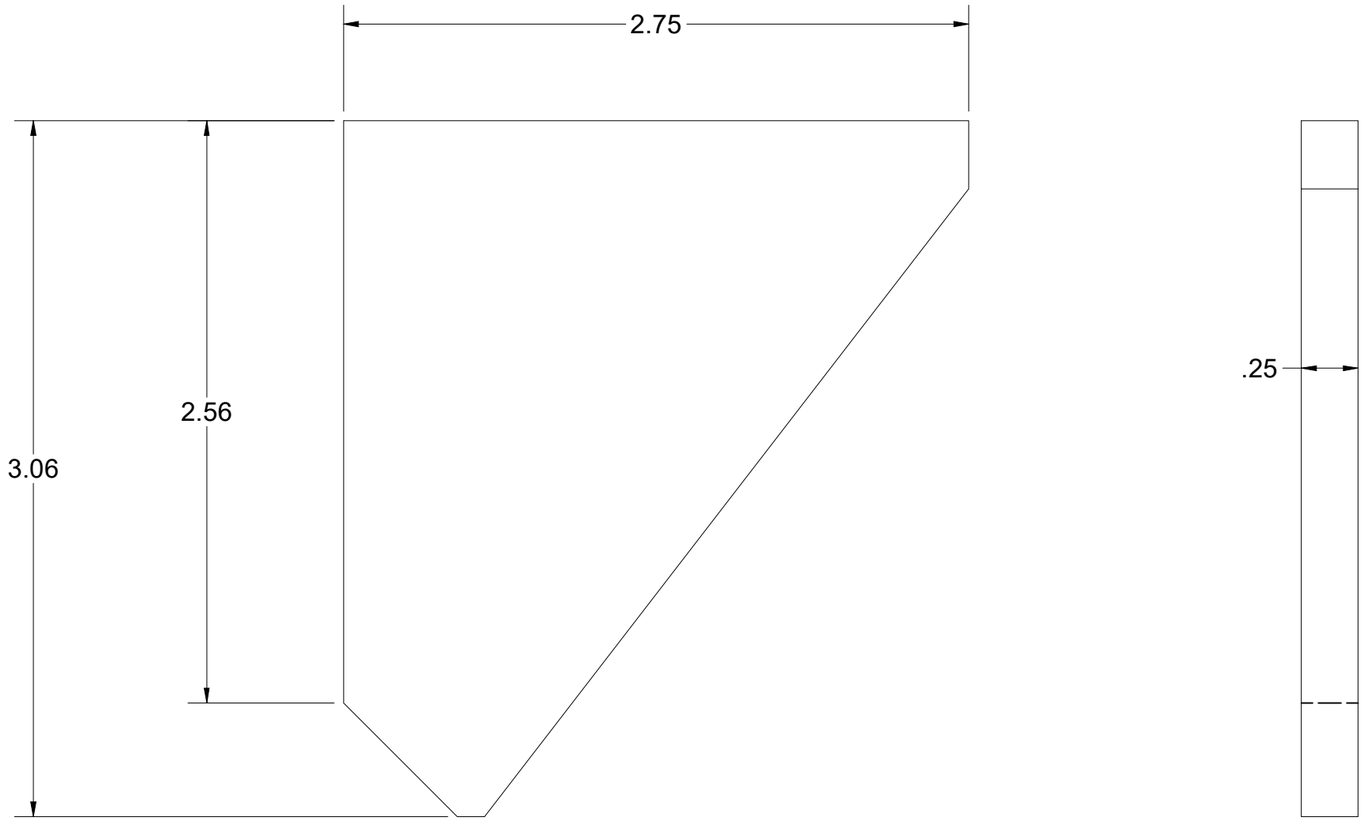
DRAWN BY: M. Bouchard

CREATED: 3/2/2020

MODIFIED: 10/5/2026

SHEET: 15 OF 19

100002383.idw



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: 200036816 CANTILEVER GUSSET

REV: C-2-1

WEIGHT: 0.131 lbmass

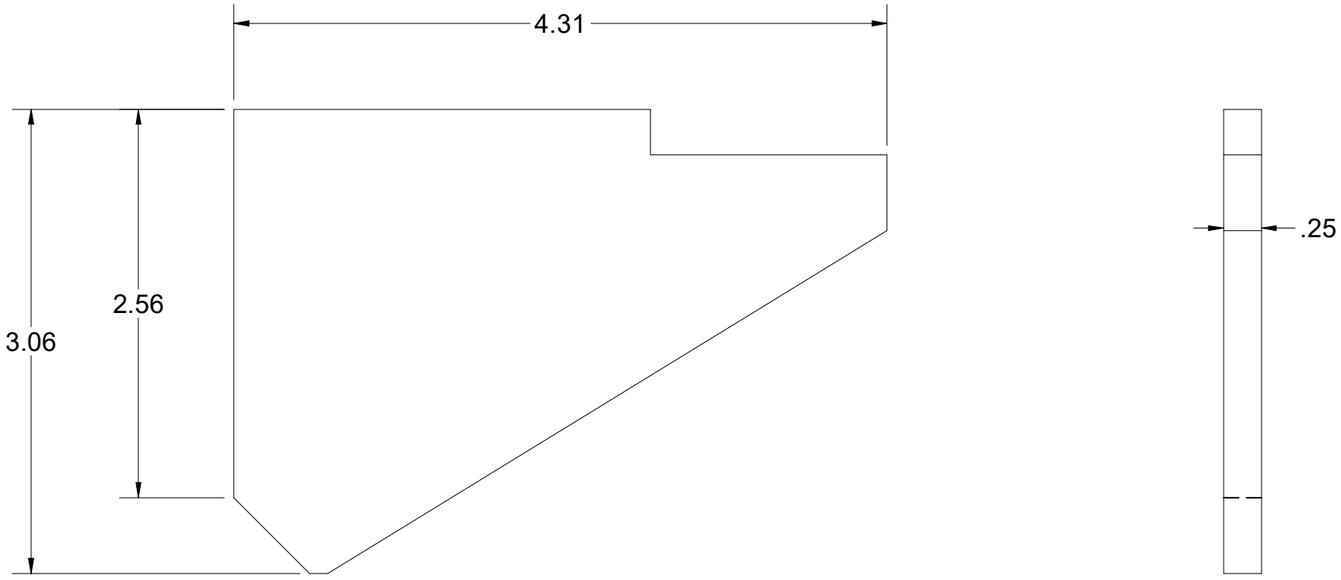
DRAWN BY: M. Bouchard

CREATED: 3/2/2020

MODIFIED: 10/5/2026

SHEET: 16 OF 19

100002383.idw



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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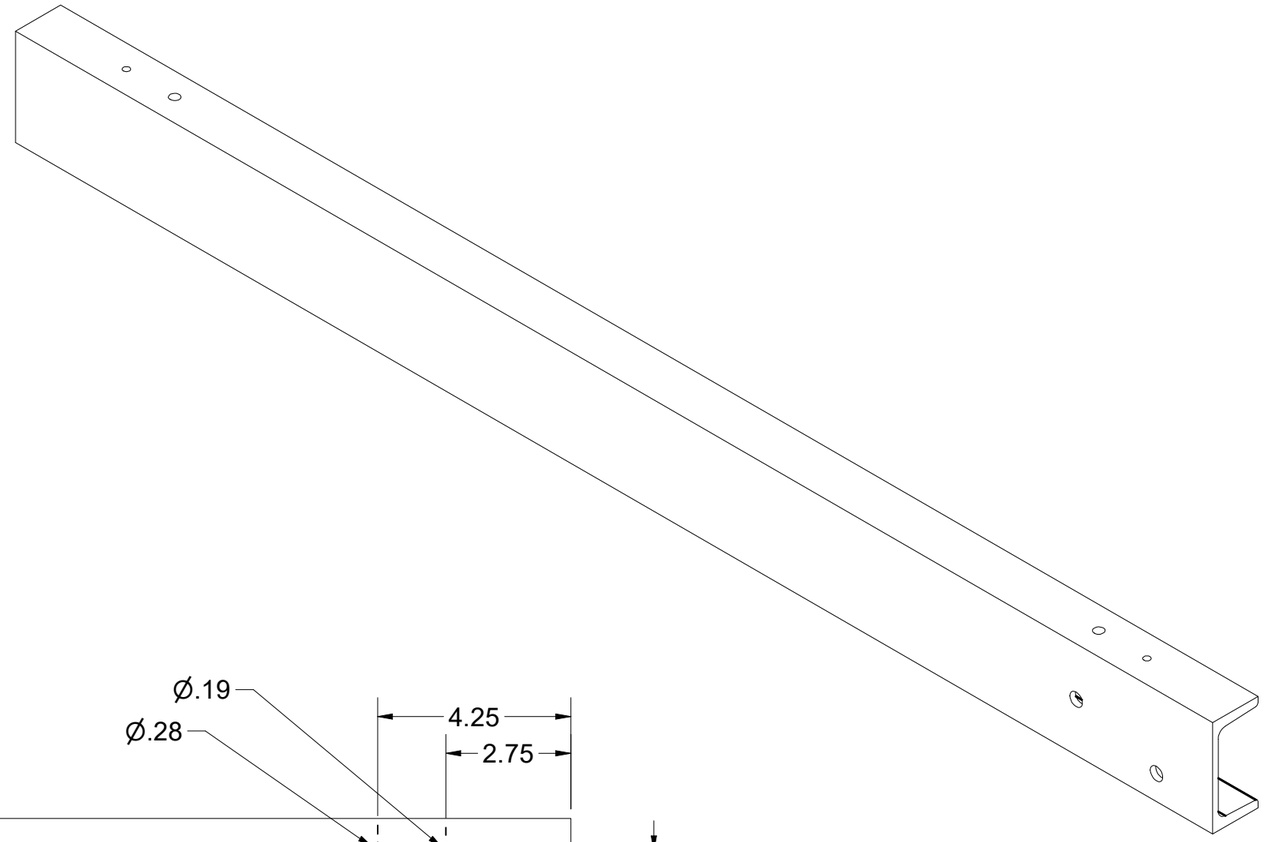
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NAME & DESCRIPTION: 200036823 CANTILEVER GUSSET WITH CUTOUT		REV: C-2-1
WEIGHT: 0.207 lbmass	DRAWN BY: M. Bouchard	SHEET: 17 OF 19
CREATED: 3/2/2020	MODIFIED: 10/5/2026	

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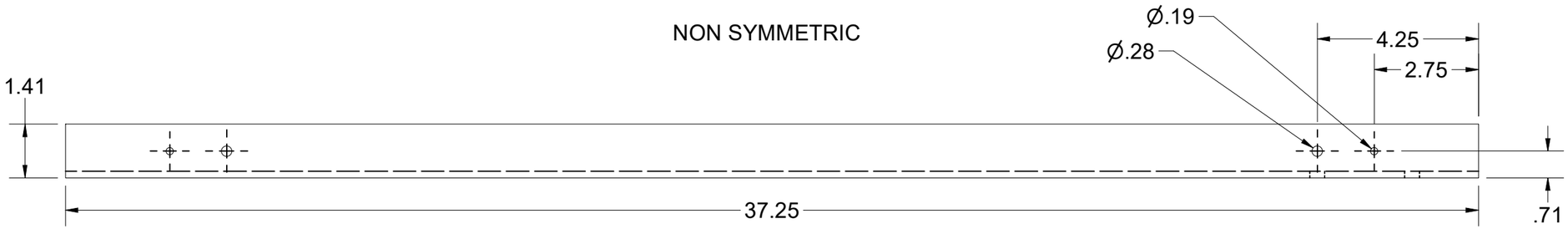
BILL OF MATERIALS

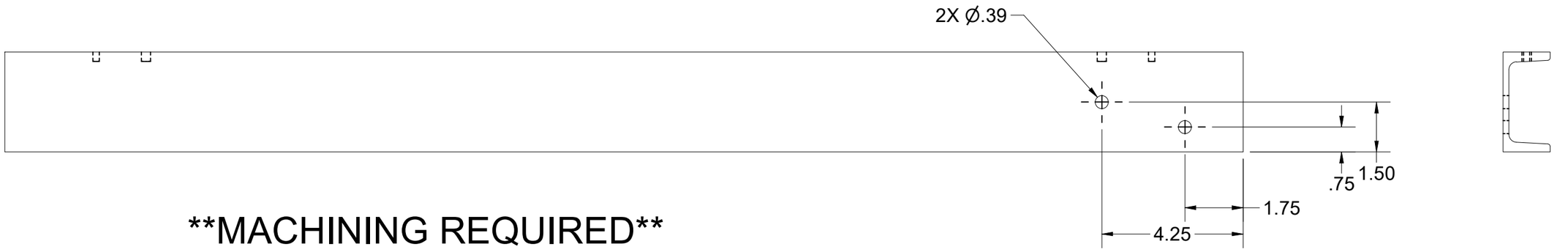
ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	1	37.250 in	100033703	STRUCTURAL CHANNEL" - Aluminum - C 3 x 1.434	200036817



100002383.idw

NON SYMMETRIC





MACHINING REQUIRED

BEND TABLE			
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION

MATERIAL IFS: 100033703

MATERIAL THK: .375

MAT DESCRIPTION: Aluminum

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NAME & DESCRIPTION: 200036817 STRUCTURAL CHANNEL" - Aluminum - C 3 x 1.434

REV: C-2-1

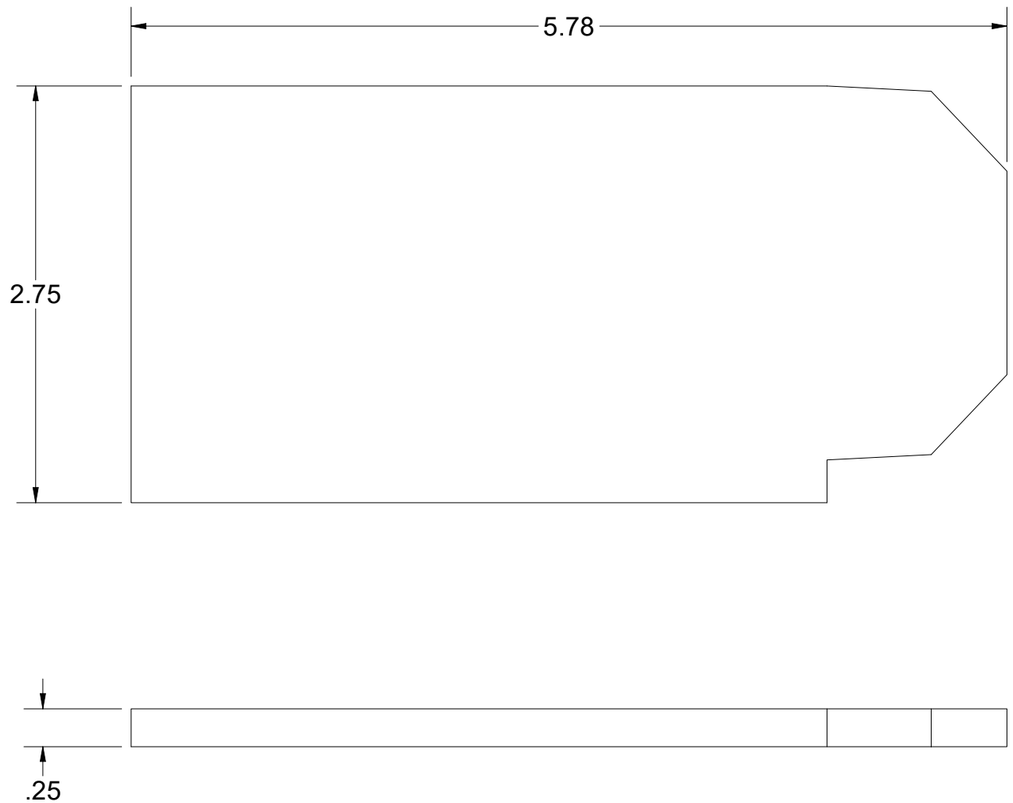
WEIGHT: 4.375 lbmass

DRAWN BY: M. Bouchard

CREATED: 3/2/2020

MODIFIED: 10/5/2026

SHEET: 18 OF 19



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: 200127077 NAMEPLATE GUSSET

REV: C-2-1

WEIGHT: 0.373 lbmass

DRAWN BY: M. Bouchard

CREATED: 3/2/2020

MODIFIED: 10/5/2026

SHEET: 19 OF 19

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