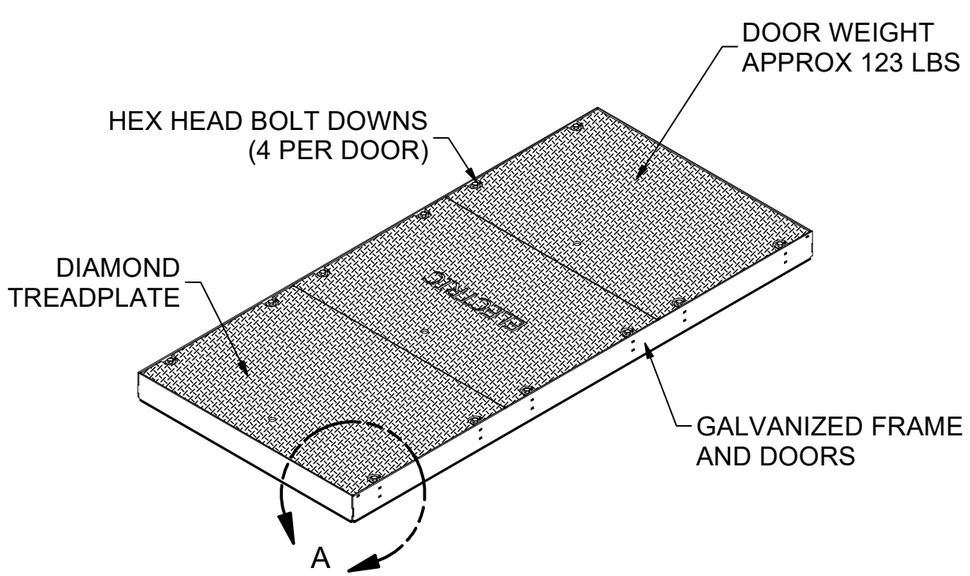
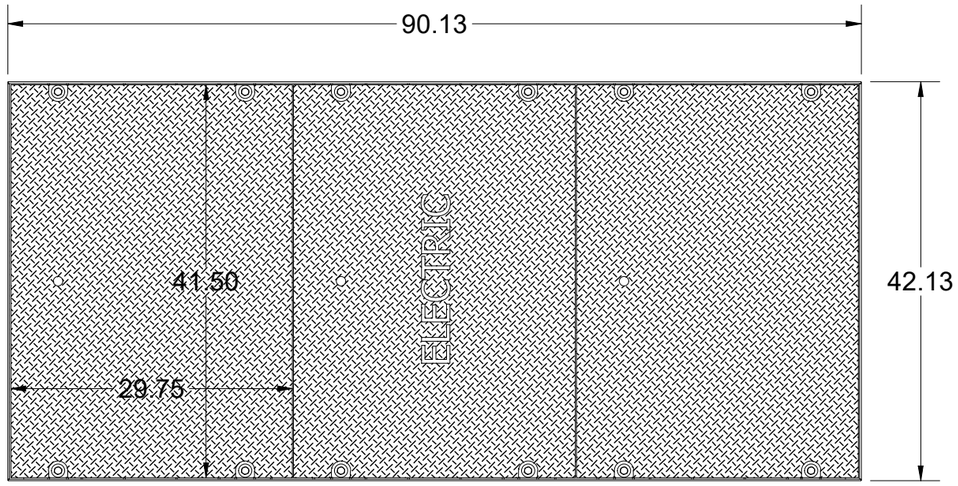
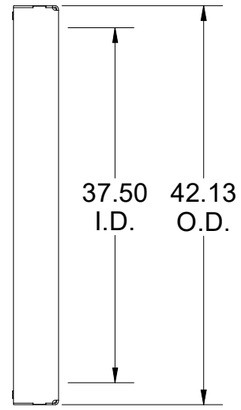
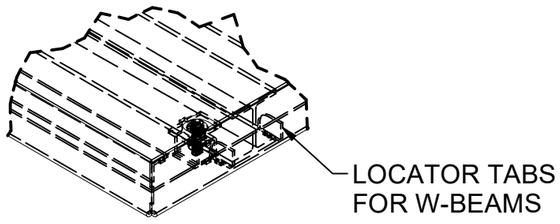
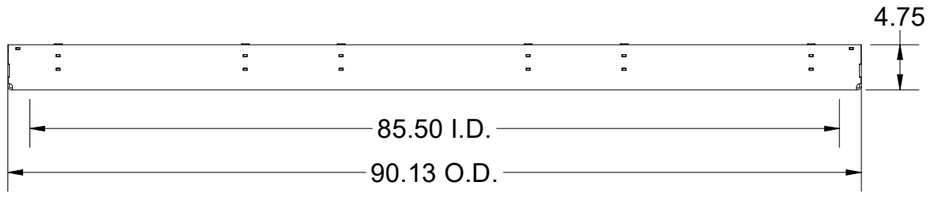








DETAIL A
SCALE 0.10 : 1



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:	846.52 lbs	MARKING:	None

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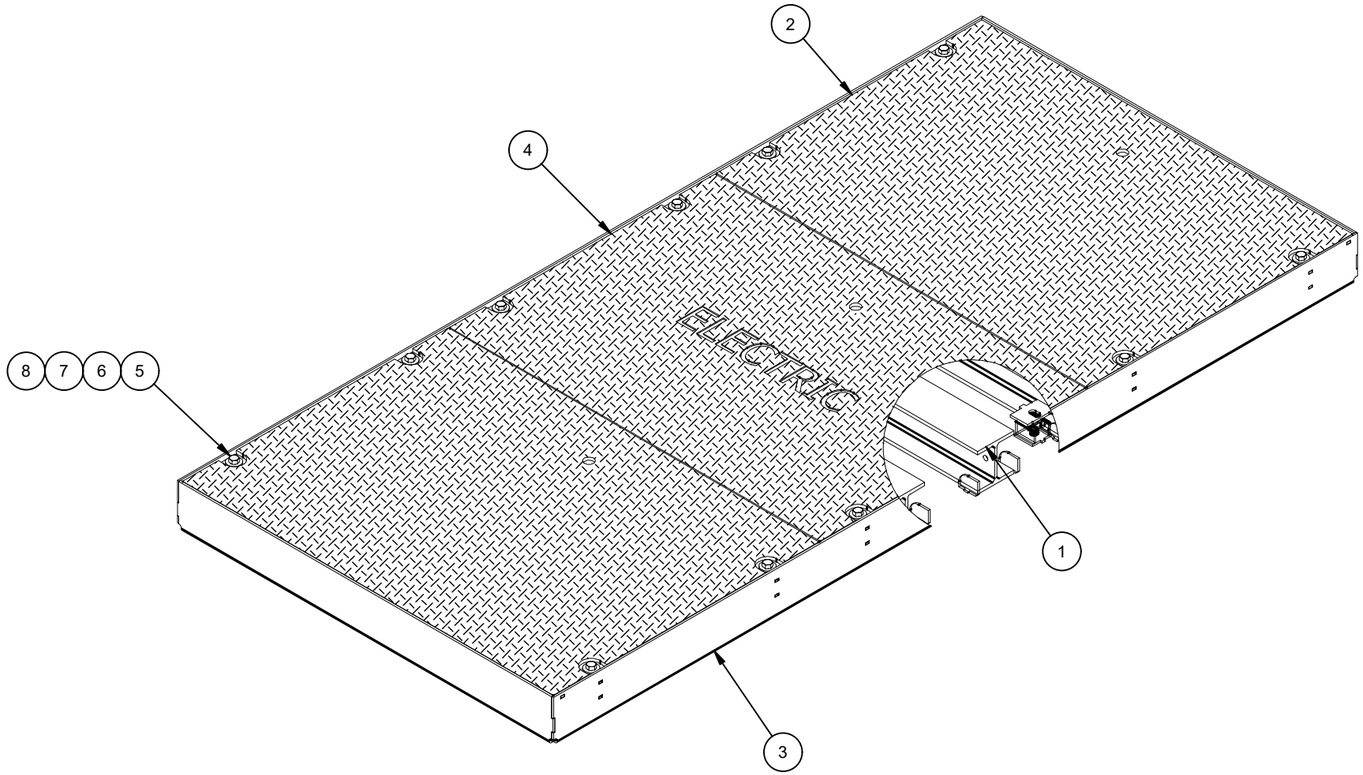
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DESCRIPTION:	CAS3-3785-AD5-DP-G-OH05-BW-ELECTRIC-(RS82B)	REV:	D-1-1
	37x85 Standard Cover Assembly (Loading Criteria Per ASTM C1802 Load Level 05, Steel, Drop In, Pickhole, Diamond Plate, Galvanized, N/A, N/A (RS82B)) 05	SHEET:	1
PART NUMBER:	100015152	DRAWN BY:	R. Dohr
CREATED:	4/24/2019	MODIFIED:	8/2/2024

100015152.idw

BILL OF MATERIALS

ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	8	8	200019987	Support Beam 41.13in W Beam	200019987
2	2	2	200019961	DAS1-SD-3785-D-DP-R-BD	200019961
3	1	1	200017694	FAS-3785-AD-R-OH05-(RS82B)	200017694
4	1	1	200030193	DAS1-SD-3785-D-DP-R-BD-BW-ELECTRIC	200030193
5	12	12	100011418	WASHER FLAT 1/2 X 1 3/8 USS TYPE A ZINC	100011418
6	12	12	100011112	STRUT FITTING SPRING NUT 1/2-13 UNC 1-5/8 CHANNEL LONG SPRING ZINC	100011112
7	12	12	100007866	Round Push Nut, Steel, for 1/2" Screw Size	100007866
8	12	12	100003504	BOLT HEX 1/2-13 UNC 2 ZINC	100003504



100015152.idw

REVISION HISTORY	
DESCRIPTION	DATE
ECR. FRAME END & SIDE CHANGED. UPDATE NEST	1/24/22
ECR 55130-4 REPLACED PART 200036145, ADJUSTED DOOR DIMENSIONS TO ALLOW 1/8" GAP ALL AROUND	5/17/24

MATERIAL FINISH: Galvanized

MATERIAL SURFACE: Diamond Plate

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PART NUMBER & DESCRIPTION: 100015152 CAS3-3785-AD5-DP-G-OH05-BW-ELECTRIC-(RS82B)

REV: D-1-1

WEIGHT: 846.52 Lbs

DRAWN BY: R. Dohr

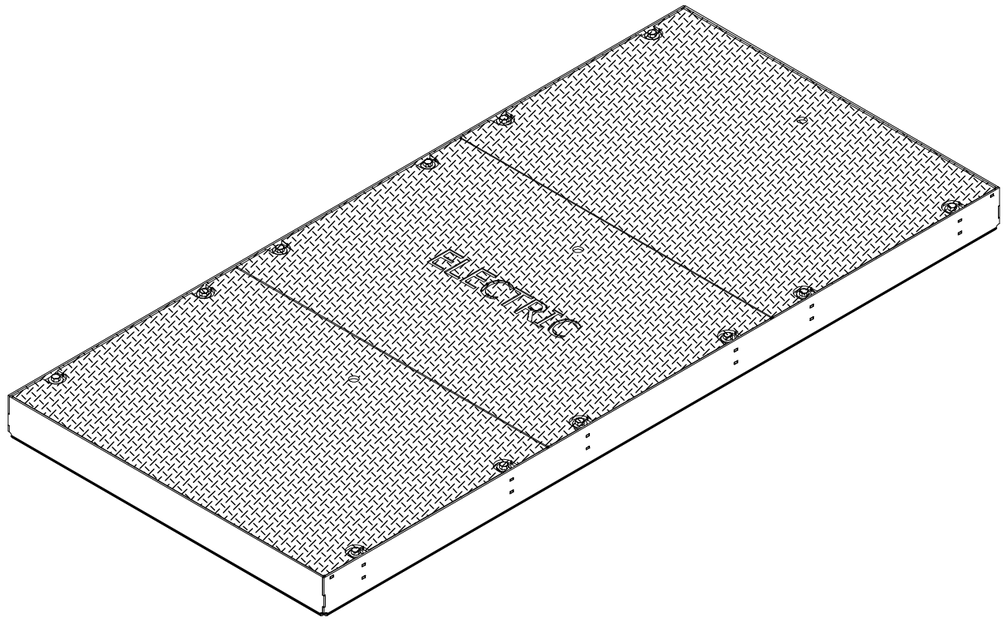
CREATED: 4/24/2019

MODIFIED: 8/2/2024

SHEET: 2

BURN LIST - BOM

PART NAME	ITEM QTY	QTY	DESCRIPTION	STOCK NUMBER	MATERIAL	MASS	SHEET
200018471	12	4.521 lbmass	BOLT DOUBLER 1.9375" X 3"	100007735	STL ASTM A36 SM-HRPO RAW .250	0.377 lbmass	09
200019909	3	358.221 lbmass	Door Component Steel Plate, Top	100007824	SHT STL CQ DP RAW .3125	119.407 lbmass	10
200019911	3	5.933 lbmass	RS82B DOOR ASSEMBLY, PICK HOLE ANGLE	100007735	STL ASTM A36 SM-HRPO RAW .250	1.978 lbmass	11
200036138	2	12.086 lbmass	Frame, Top Plate Bearing Rail	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	6.043 lbmass	12
200036139	12	5.191 lbmass	SPRING NUT BRACKET RS82B	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	0.433 lbmass	13
200036141	12	2.924 lbmass	SPRING NUT BRACKET PLATFORM RS82B	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	0.244 lbmass	14
200036142	2	29.632 lbmass	Frame Component Steel Frame End, Cast In	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	14.816 lbmass	15
200036143	2	63.935 lbmass	Frame Component Steel Frame Side, Cast In	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	31.968 lbmass	16
200088720	32	5.112 lbmass	Frame Component BEAM LOCATOR RS82B	100007734	STL ASTM A36 SM-HRPO 60X120 RAW .1875	0.160 lbmass	17



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MATERIAL FINISH: Galvanized

MATERIAL SURFACE: Diamond Plate

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PART NUMBER & DESCRIPTION: 100015152 CAS3-3785-AD5-DP-G-OH05-BW-ELECTRIC-(RS82B)

REV: D-1-1

WEIGHT: 846.52 Lbs

DRAWN BY: R. Dohr

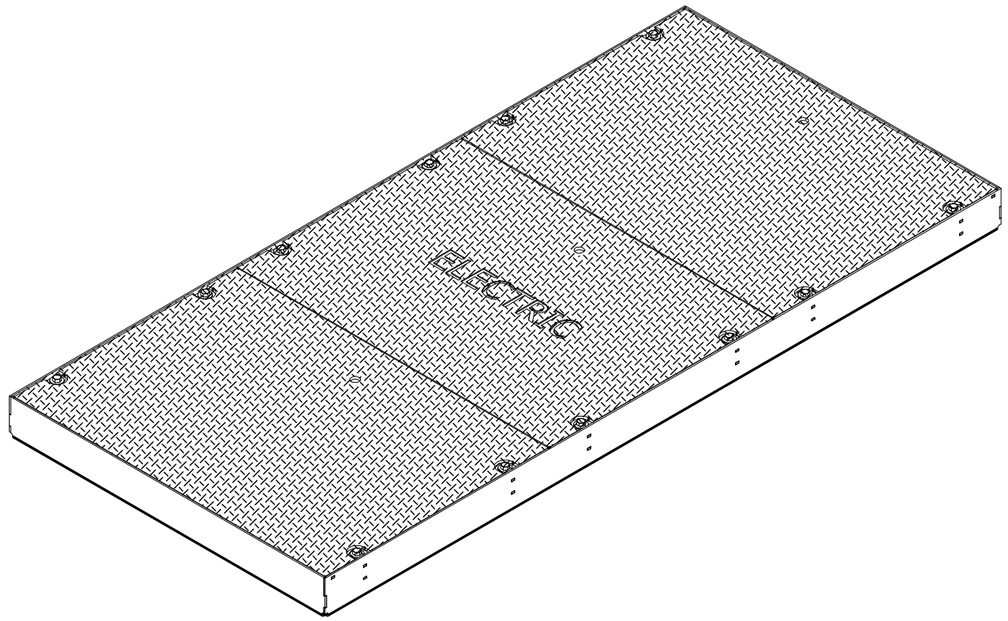
SHEET: 3

CREATED: 4/24/2019

MODIFIED: 8/2/2024

CUT LIST - BOM

PART NAME	ITEM QTY	BASE QTY	QTY	DESCRIPTION	PART NUMBER	MASS	SHEET
100004822	8	41.125 in	329.000 in	STRUCTURAL I BEAM - W4 x 13 (4.16x4.06)	100004822	44.630 lbmass	



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MATERIAL FINISH: Galvanized

MATERIAL SURFACE: Diamond Plate

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PART NUMBER & DESCRIPTION: 100015152 CAS3-3785-AD5-DP-G-OH05-BW-ELECTRIC-(RS82B)

REV: D-1-1

WEIGHT: 846.52 Lbs

DRAWN BY: R. Dohr

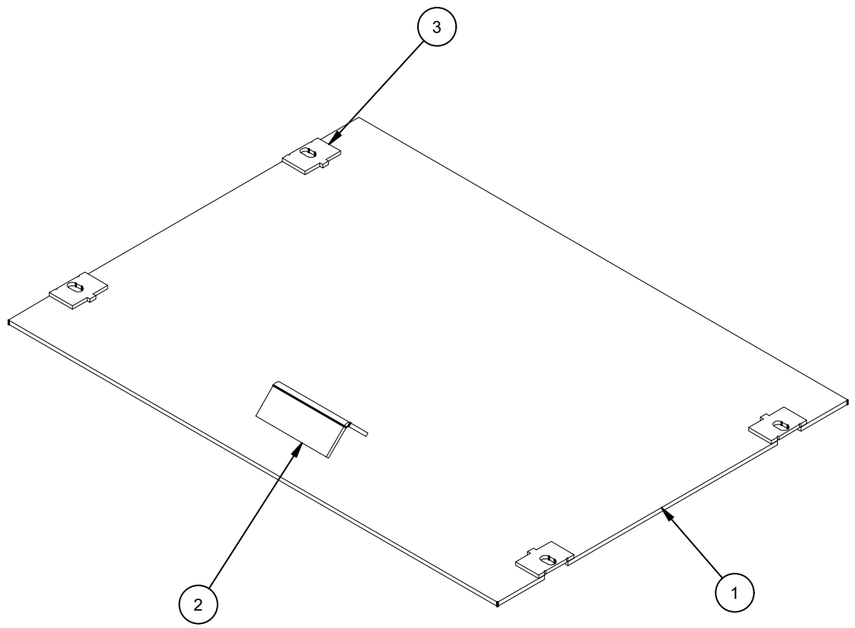
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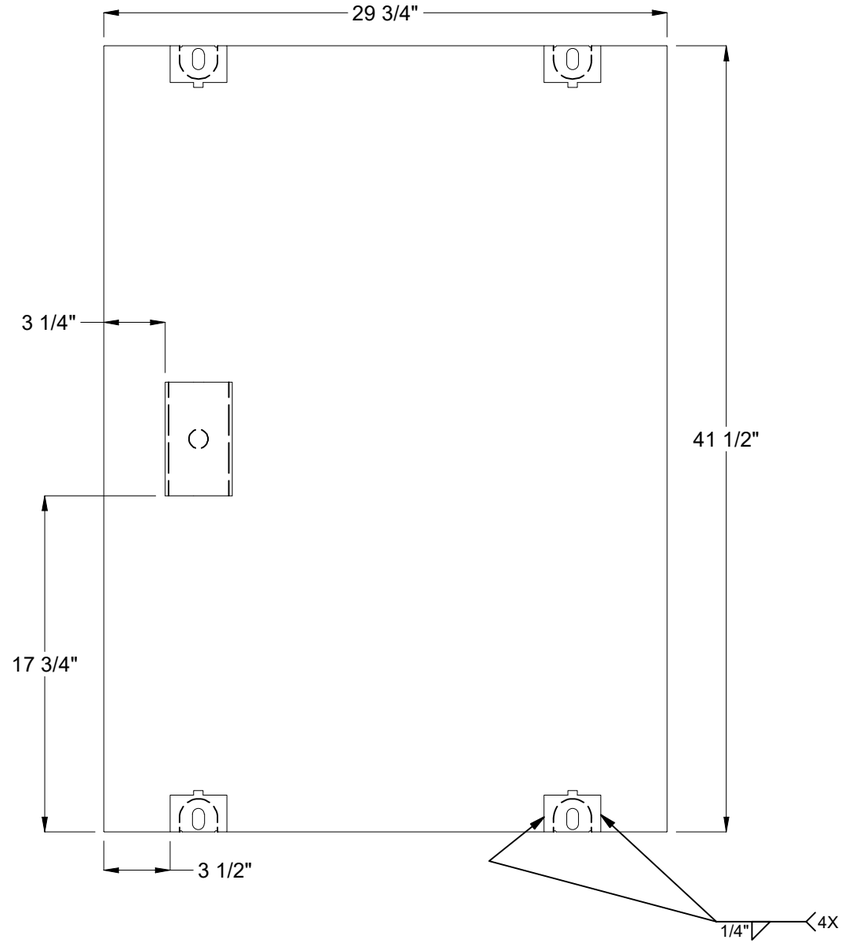
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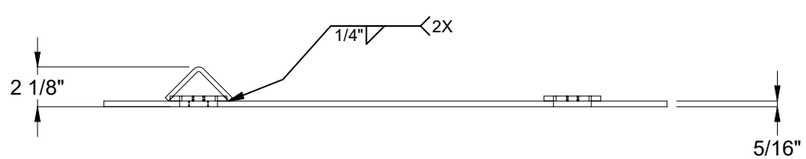
SHEET: 4

BILL OF MATERIALS

ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	1	119.407 lbmass	100007824	Door Component Steel Plate, Top	200019909
2	1	1.978 lbmass	100007735	RS82B DOOR ASSEMBLY, PICK HOLE ANGLE	200019911
3	4	1.507 lbmass	100007735	BOLT DOUBLER 1.9375" X 3"	200018471







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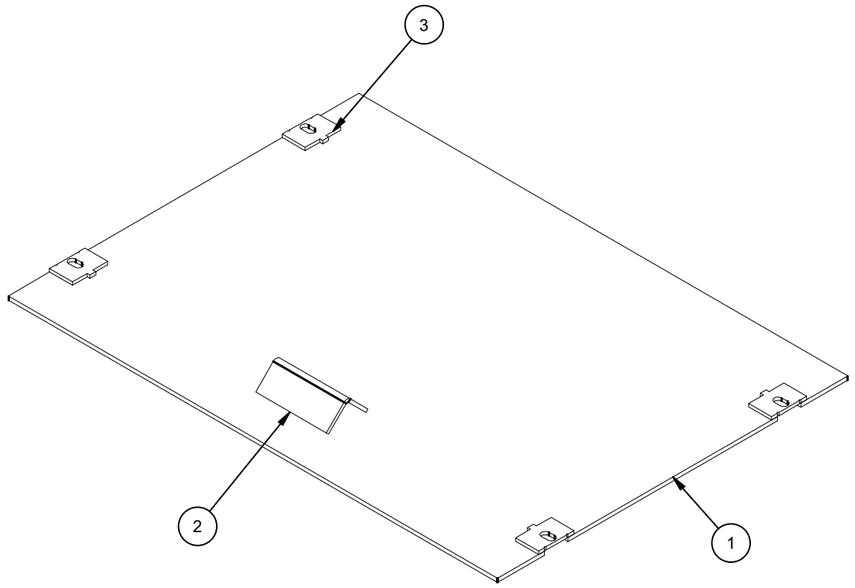
MATERIAL FINISH: Raw	JENSEN METALTECH 450 E. GLENDALE AVE. SPARKS. NV 89431 775-352-2716 FAX: 755-358-8127 *JENSENMETALTECH.COM*	©2024 Jensen Precast- All rights reserved. All materials appearing as Jensen Precast documents and the like are proprietary work product and are protected under U.S. copyright and other laws. Unless in conjunction with business conducted with Jensen Precast, any use of Jensen Precast 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.	PART NUMBER & DESCRIPTION: 200019961 DAS1-SD-3785-D-DP-R-BD
MATERIAL SURFACE: Diamond Plate			WEIGHT: 122.89 Lbs / DRAWN BY: R. Dohr / CREATED: 4/24/2019 / MODIFIED: 8/2/2024

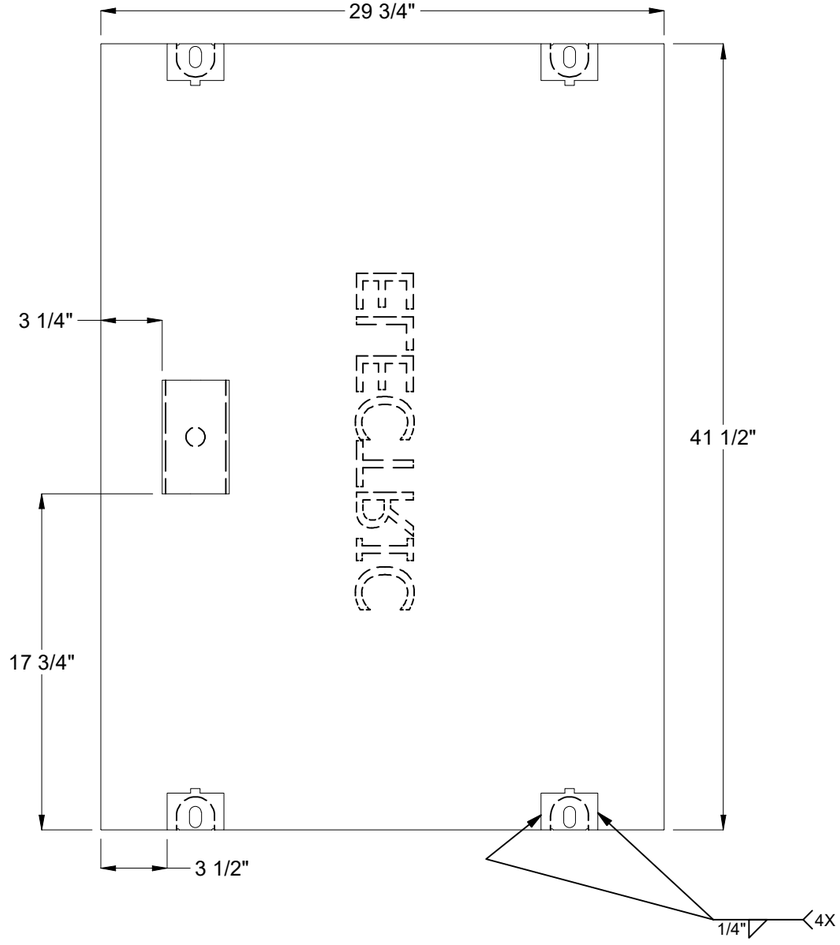
REV: D-1-1

SHEET: 5

BILL OF MATERIALS

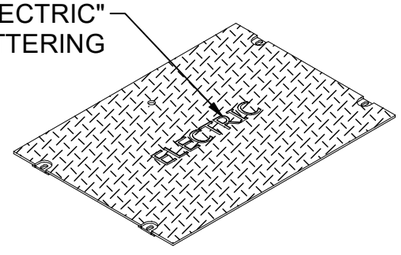
ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	1	119.407 lbmass	100007824	Door Component Steel Plate, Top	200019909
2	1	1.978 lbmass	100007735	RS82B DOOR ASSEMBLY, PICK HOLE ANGLE	200019911
3	4	1.507 lbmass	100007735	BOLT DOUBLER 1.9375" X 3"	200018471

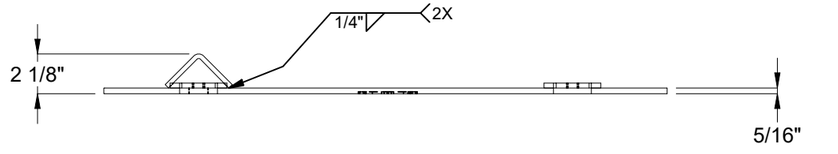






BEAD WELD "ELECTRIC"
2" TALL LETTERING



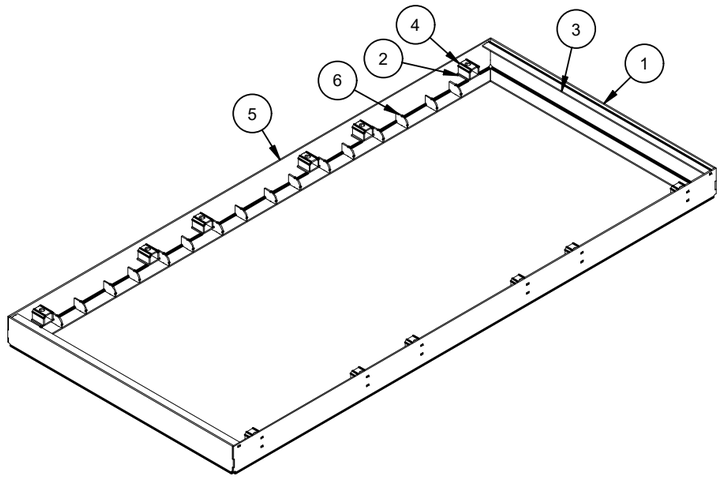


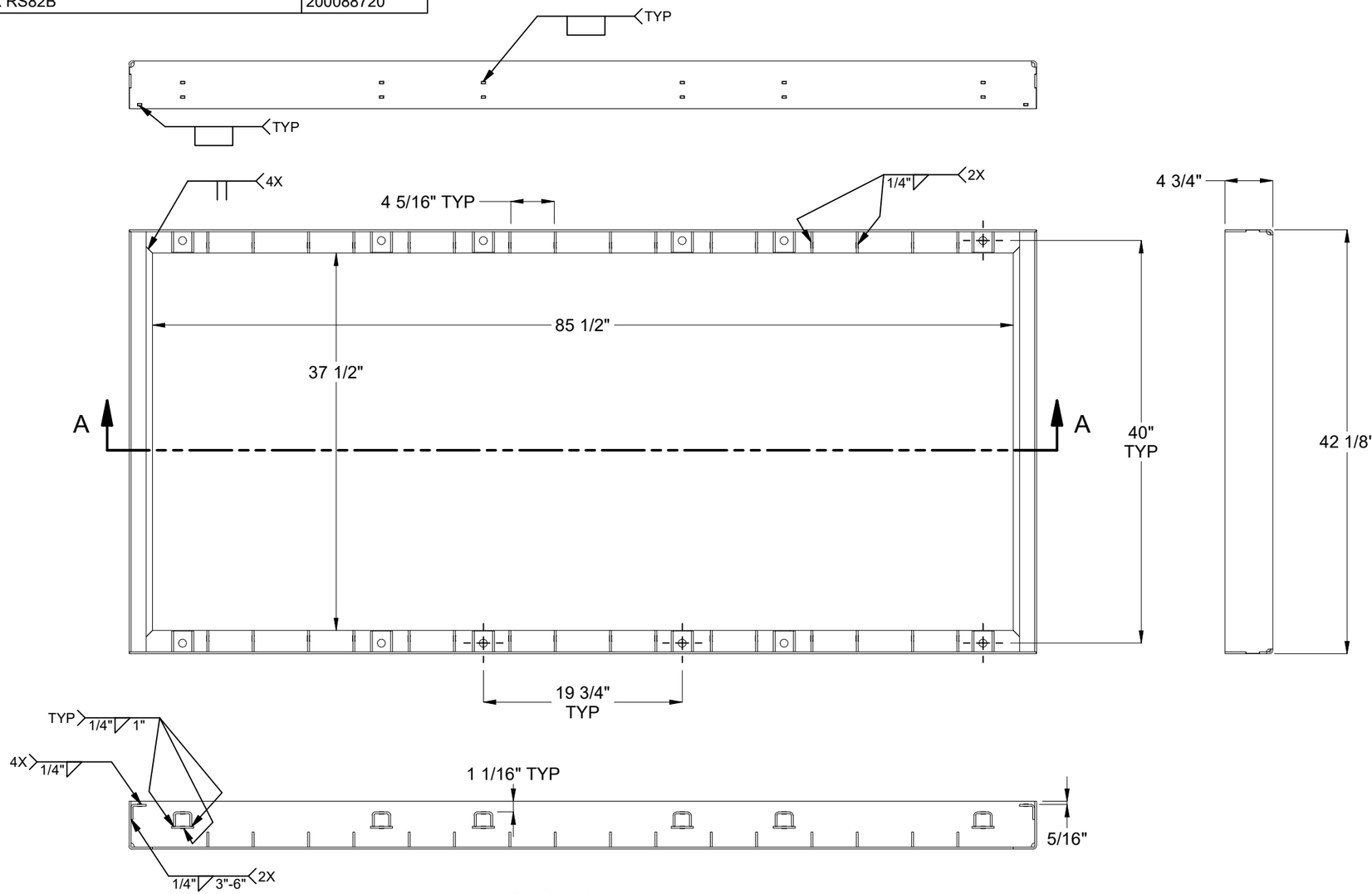
MATERIAL FINISH: Raw	JENSEN METALTECH 450 E. GLENDALE AVE. SPARKS. NV 89431 775-352-2716 FAX: 755-358-8127 *JENSENMETALTECH.COM*	©2024 Jensen Precast- All rights reserved. All materials appearing as Jensen Precast documents and the like are proprietary work product and are protected under U.S. copyright and other laws. Unless in conjunction with business conducted with Jensen Precast, any use of Jensen Precast 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.	PART NUMBER & DESCRIPTION: 200030193 DAS1-SD-3785-D-DP-R-BD-BW-ELECTRIC REV: D-1-1
MATERIAL SURFACE: Diamond Plate			WEIGHT: 122.32 Lbs DRAWN BY: R. Dohr CREATED: 4/24/2019 MODIFIED: 8/2/2024 SHEET: 6

100015152.idw

BILL OF MATERIALS

ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	2	29.632 lbmass	100007734	Frame Component Steel Frame End, Cast In	200036142
2	12	2.924 lbmass	100007734	SPRING NUT BRACKET PLATFORM RS82B	200036141
3	2	12.086 lbmass	100007734	Frame, Top Plate Bearing Rail	200036138
4	12	5.191 lbmass	100007734	SPRING NUT BRACKET RS82B	200036139
5	2	63.935 lbmass	100007734	Frame Component Steel Frame Side, Cast In	200036143
6	32	5.112 lbmass	100007734	Frame Component BEAM LOCATOR RS82B	200088720





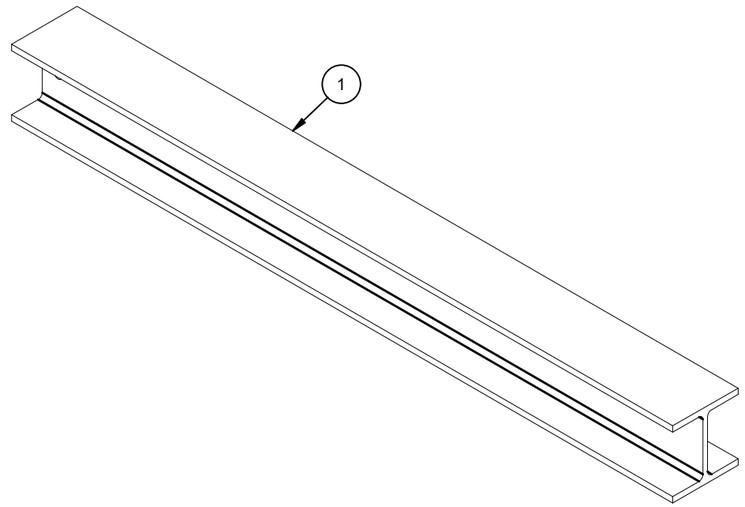
SECTION A-A

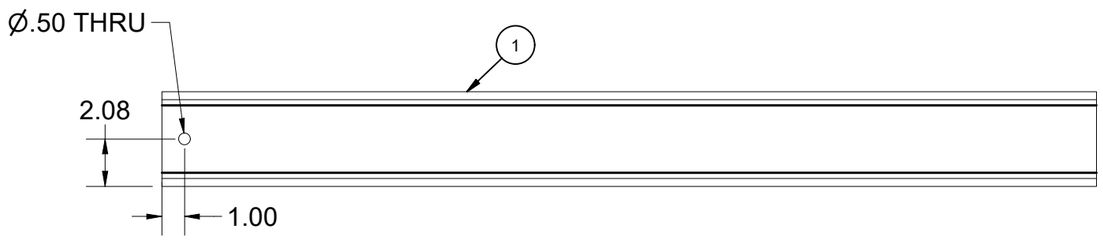
MATERIAL FINISH: Raw	JENSEN METALTECH 450 E. GLENDALE AVE. SPARKS. NV 89431 775-352-2716 FAX: 755-358-8127 *JENSENMETALTECH.COM*	©2024 Jensen Precast- All rights reserved. All materials appearing as Jensen Precast documents and the like are proprietary work product and are protected under U.S. copyright and other laws. Unless in conjunction with business conducted with Jensen Precast, any use of Jensen Precast 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.	PART NUMBER & DESCRIPTION: 200017694 FAS-3785-AD-R-OH05-(RS82B)		REV: D-1-1
MATERIAL SURFACE: Smooth			WEIGHT: 118.88 Lbs	DRAWN BY: R. Dohr	SHEET: 7
			CREATED: 4/24/2019	MODIFIED: 8/2/2024	

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BILL OF MATERIALS

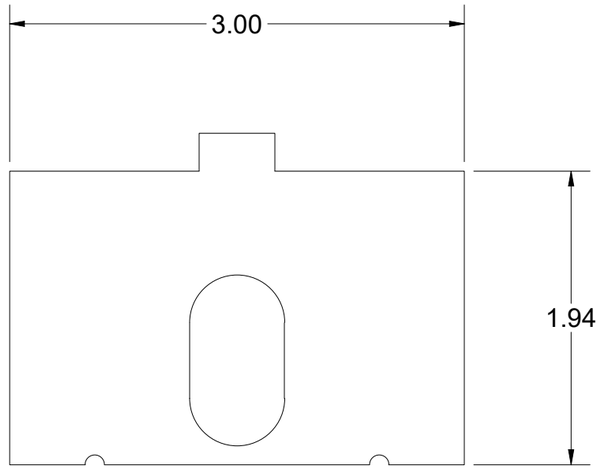
ITEM	ITEM QTY	QTY	PART NUMBER	DESCRIPTION	PART NAME
1	1	41.125 in	100004822	STRUCTURAL I BEAM - W4 x 13 (4.16x4.06)	100004822





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MATERIAL FINISH: Galvanized	JENSEN METALTECH 450 E. GLENDALE AVE. SPARKS. NV 89431 775-352-2716 FAX: 755-358-8127 *JENSENMETALTECH.COM*	©2024 Jensen Precast- All rights reserved. All materials appearing as Jensen Precast 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 Precast, any use of Jensen Precast 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.	PART NUMBER & DESCRIPTION: 200019987 Support Beam 41.13in W Beam	REV: D-1-1
MATERIAL SURFACE: Smooth			WEIGHT: 44.61 Lbs CREATED: 4/24/2019	DRAWN BY: R. Dohr MODIFIED: 8/2/2024	SHEET: 8



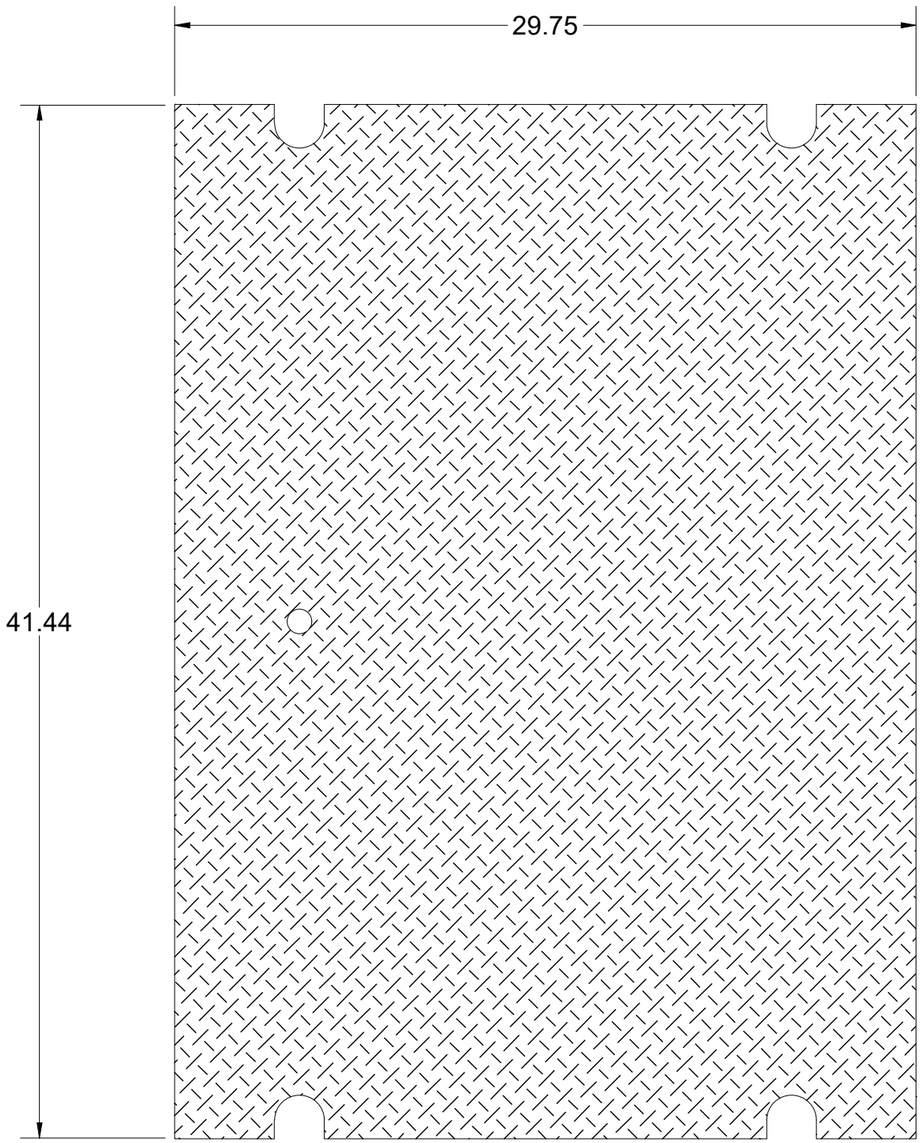
BEND TABLE				MATERIAL IFS: 100007735			
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.25			
-	-	-	-	MAT DESCRIPTION: STL ASTM A36 SM-HRPO RAW .250			

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NAME & DESCRIPTION: 200018471 BOLT DOUBLER 1.9375" X 3"		REV: D-1-1
WEIGHT: 0.377 lbmass	DRAWN BY: R. Dohr	SHEET: 9 OF 17
CREATED: 4/24/2019	MODIFIED: 8/2/2024	

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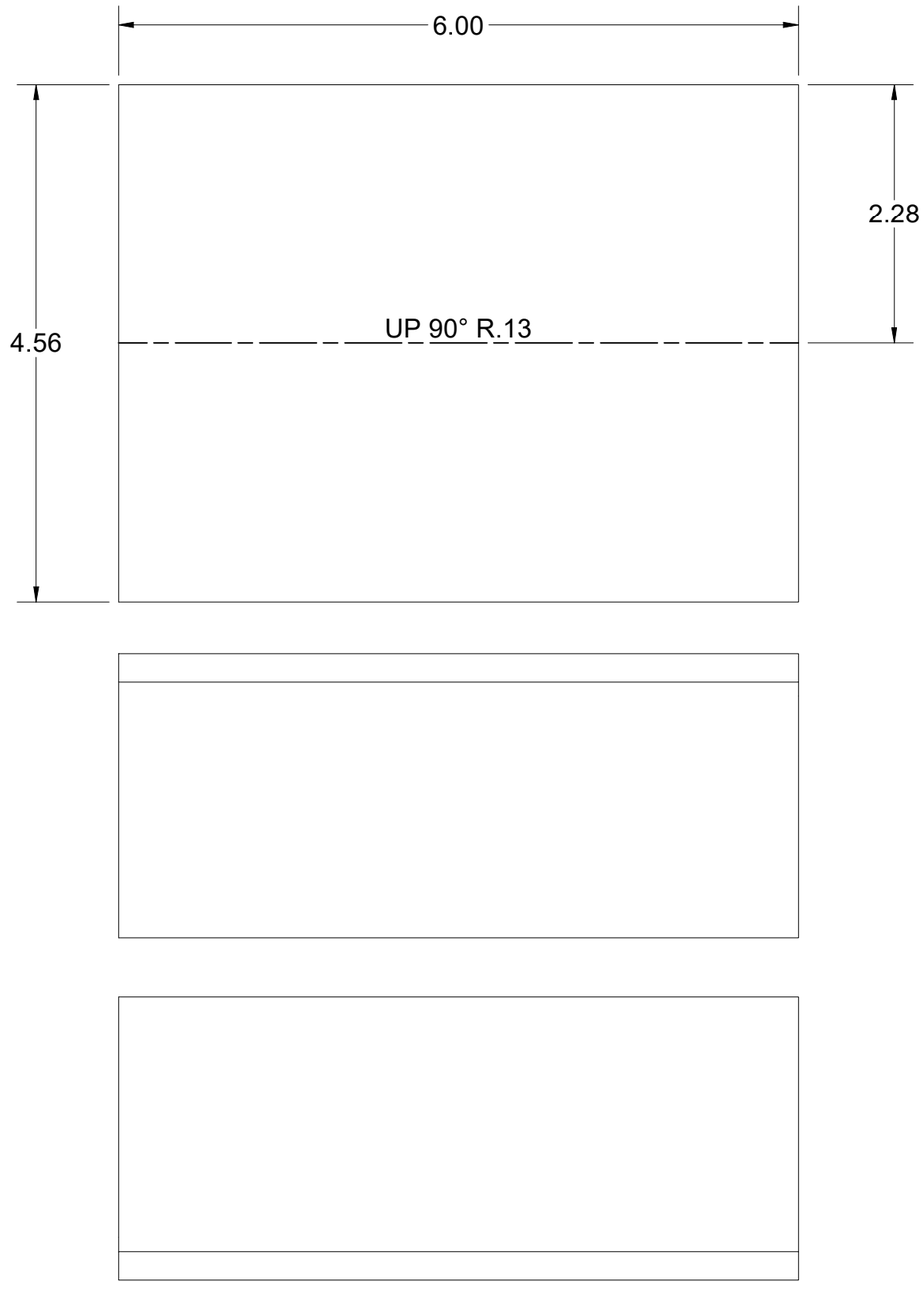
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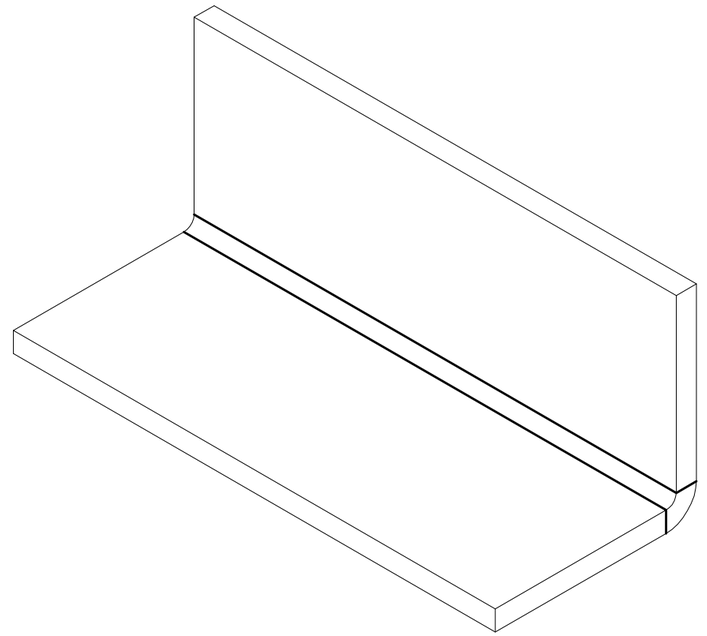
BEND TABLE				MATERIAL IFS: 100007824			
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.3125			
-	-	-	-	MAT DESCRIPTION: SHT STL CQ DP RAW .3125			

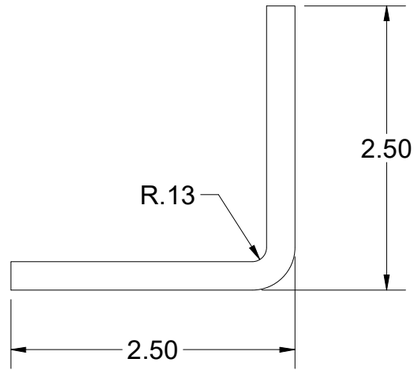
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NAME & DESCRIPTION:		REV:
200019909 Door Component Steel Plate, Top		D-1-1
WEIGHT: 119.407 lbmass	DRAWN BY: R. Dohr	SHEET: 10 OF 17
CREATED: 4/24/2019	MODIFIED: 8/2/2024	







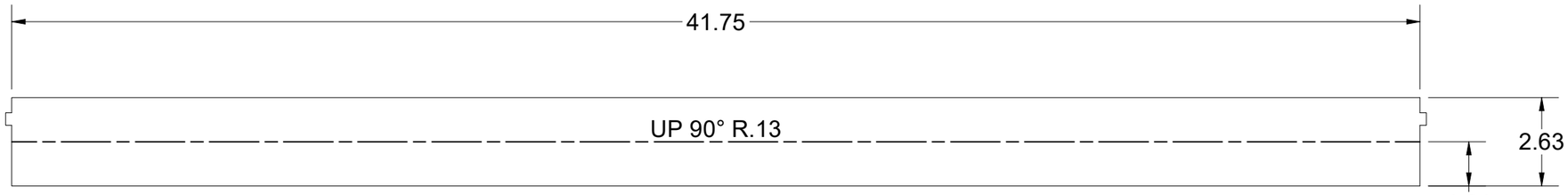
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BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.25
0.125	2	90	0.440	MAT DESCRIPTION: STL ASTM A36 SM-HRPO RAW .250

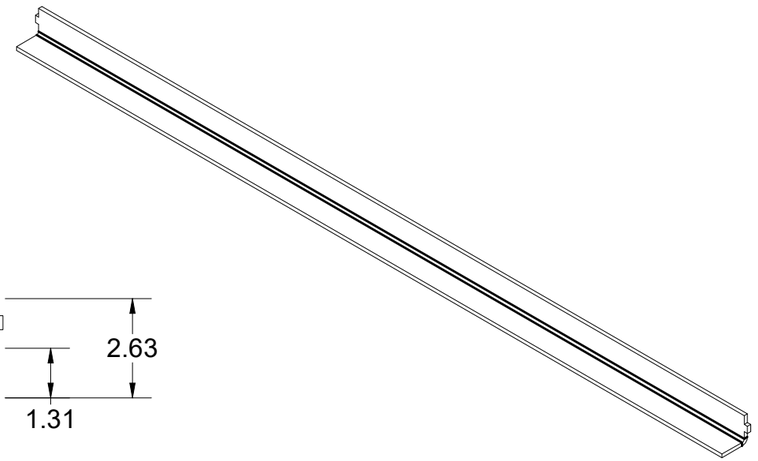
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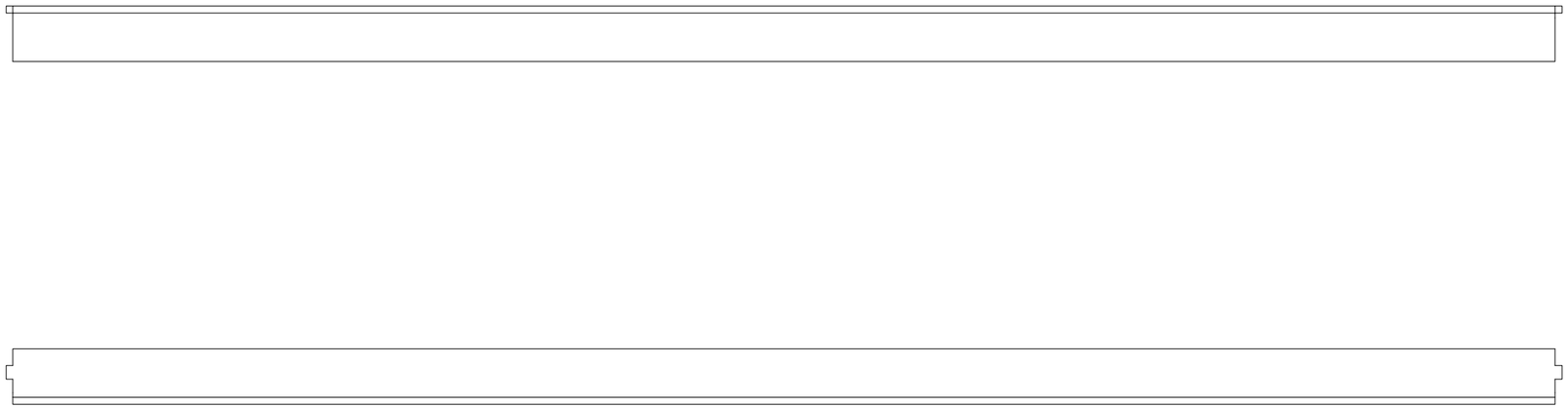
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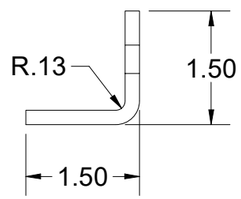
NAME & DESCRIPTION: 200019911 RS82B DOOR ASSEMBLY, PICK HOLE ANGLE		REV: D-1-1
WEIGHT: 1.978 lbmass	DRAWN BY: R. Dohr	SHEET: 11 OF 17
CREATED: 4/24/2019	MODIFIED: 8/2/2024	

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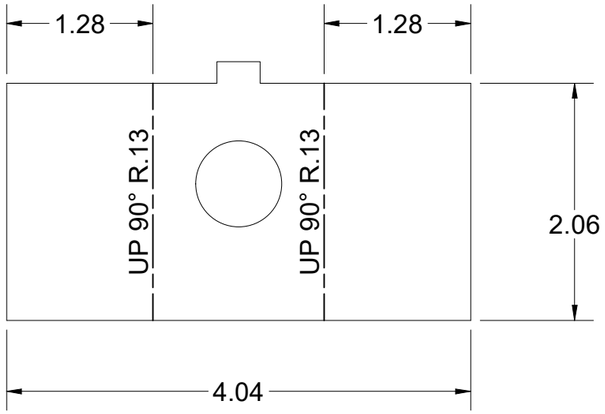
BEND TABLE				MATERIAL IFS: 100007734
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.1875
0.125	2	90	0.3750	MAT DESCRIPTION: STL ASTM A36 SM-HRPO 60X120 RAW .1875

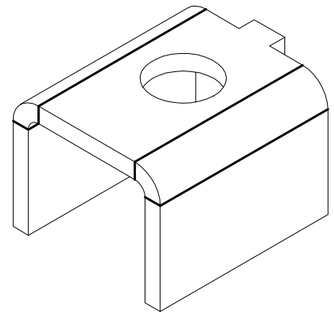
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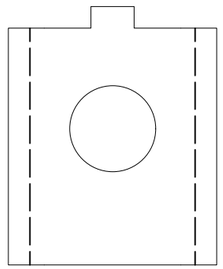
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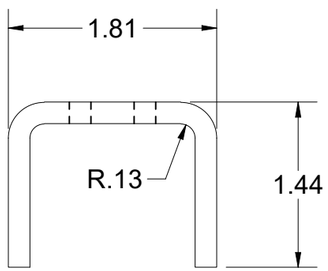
NAME & DESCRIPTION:	200036138 Frame, Top Plate Bearing Rail	REV:
WEIGHT: 6.043 lbmass	DRAWN BY: R. Dohr	SHEET: 12 OF 17
CREATED: 4/24/2019	MODIFIED: 8/2/2024	

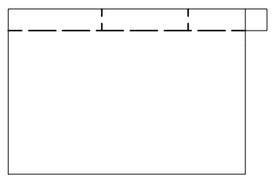
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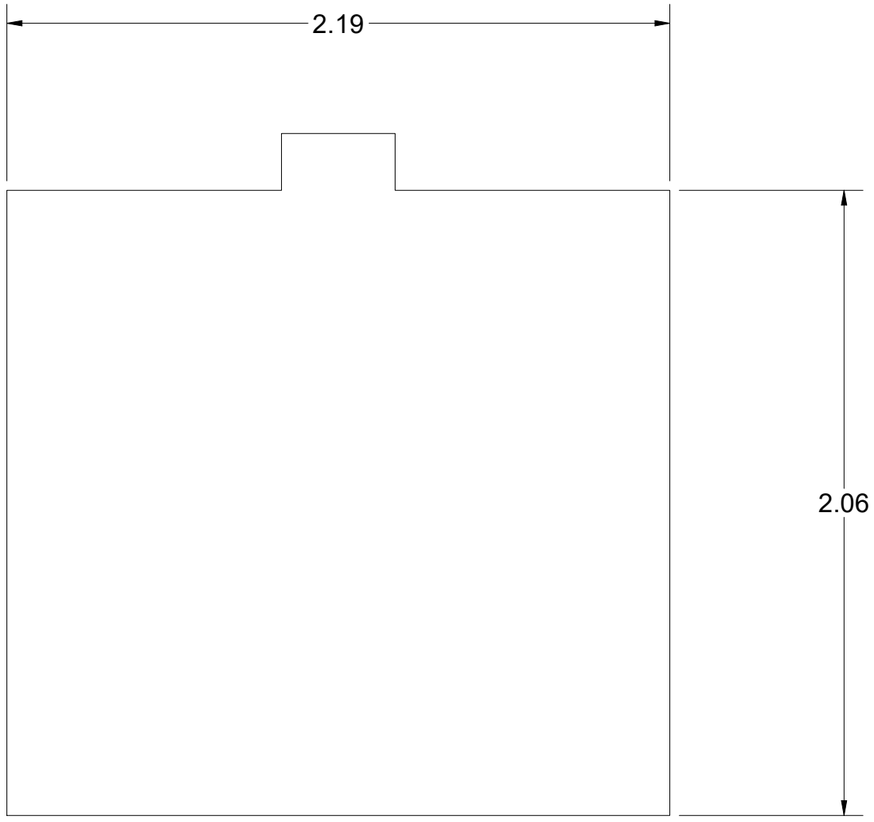
BEND TABLE				MATERIAL IFS: 100007734
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.1875
0.125	1	90	0.3250	MAT DESCRIPTION: STL ASTM A36 SM-HRPO 60X120 RAW .1875

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NAME & DESCRIPTION:	200036139 SPRING NUT BRACKET RS82B	REV:
WEIGHT: 0.433 lbmass	DRAWN BY: R. Dohr	SHEET: 13 OF 17
CREATED: 4/24/2019	MODIFIED: 8/2/2024	

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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: 200036141
SPRING NUT BRACKET PLATFORM RS82B

REV: D-1-1

WEIGHT: 0.244 lbmass

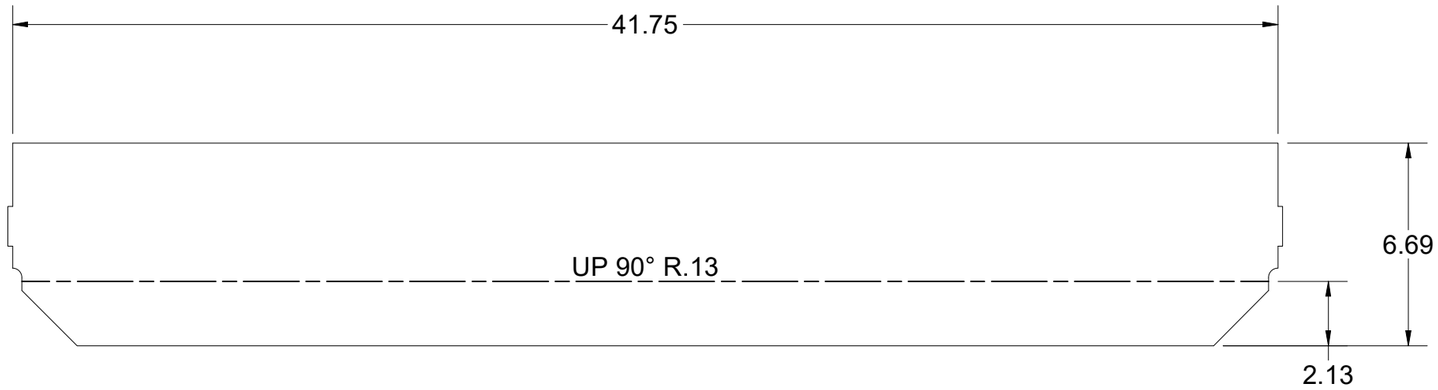
DRAWN BY: R. Dohr

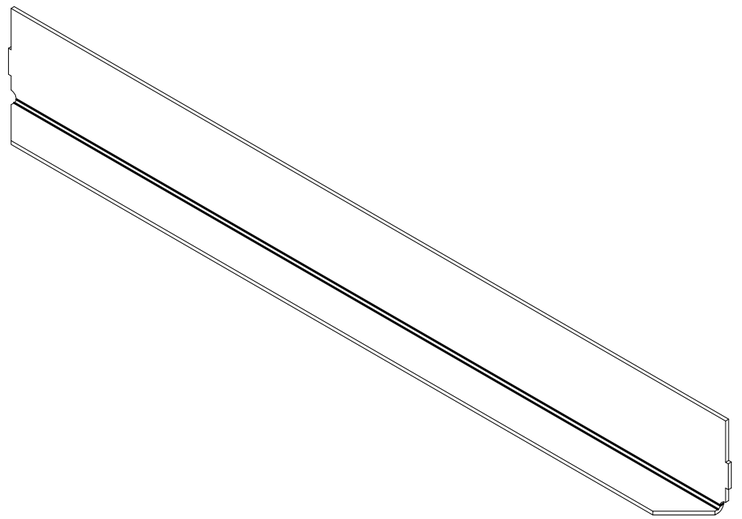
CREATED: 4/24/2019

MODIFIED: 8/2/2024

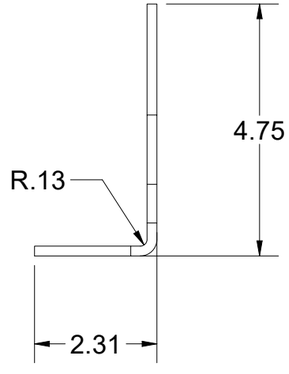
SHEET: 14 OF 17

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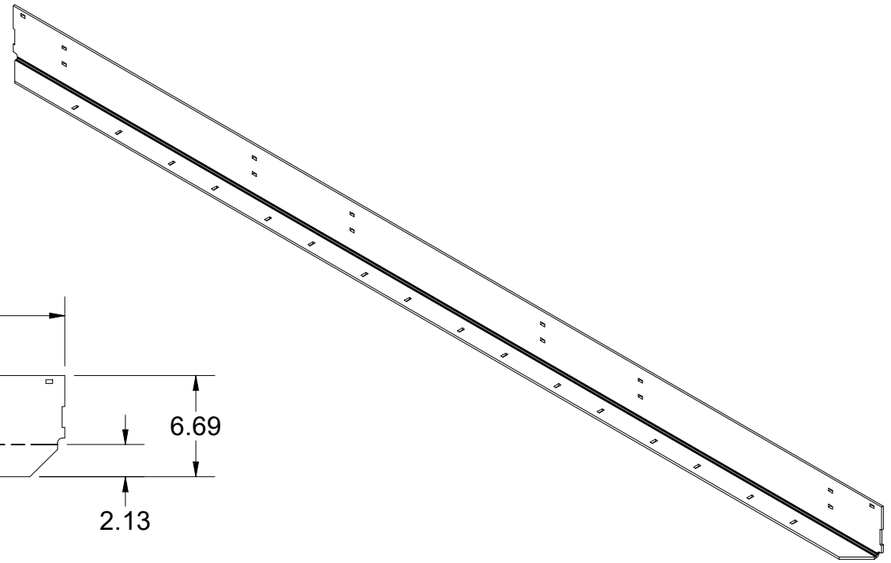
BEND TABLE				MATERIAL IFS: 100007734
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION	MATERIAL THK: 0.1875
0.125	2	90	0.3750	MAT DESCRIPTION: STL ASTM A36 SM-HRPO 60X120 RAW .1875

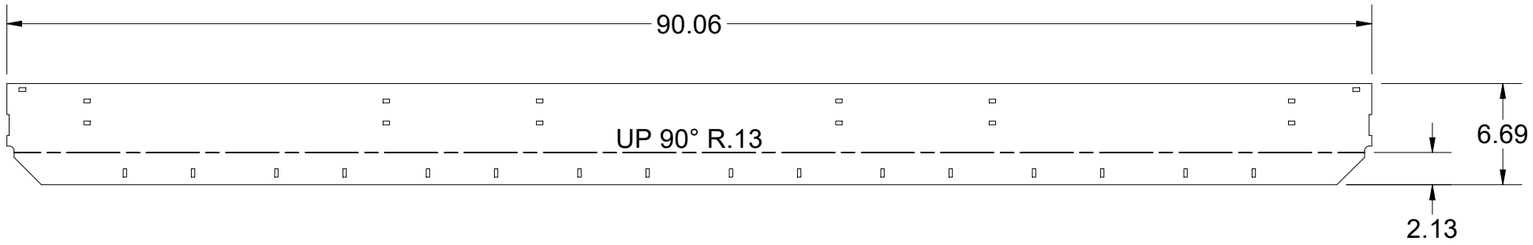
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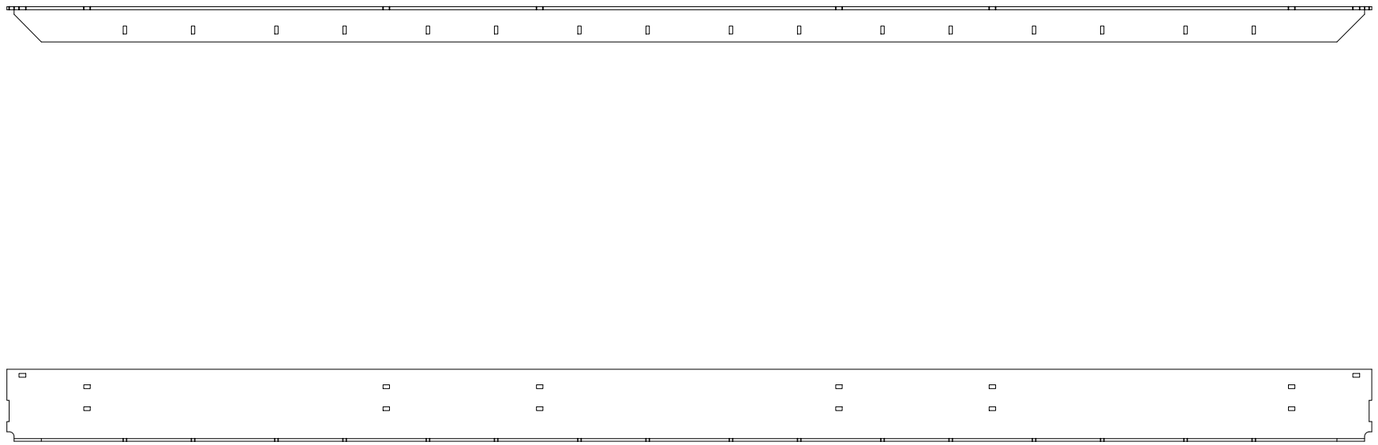
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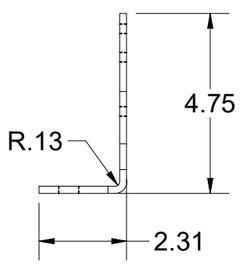
NAME & DESCRIPTION:	200036142	REV:
Frame Component Steel Frame End, Cast In		D-1-1
WEIGHT: 14.816 lbmass	DRAWN BY: R. Dohr	SHEET: 15 OF 17
CREATED: 4/24/2019	MODIFIED: 8/2/2024	

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BEND TABLE			
BEND RADIUS	V-OPENING	BEND ANGLE	BEND DEDUCTION
0.125	2	90	0.3750

MATERIAL IFS: 100007734

MATERIAL THK: 0.1875

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

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NAME & DESCRIPTION: 200036143
Frame Component Steel Frame Side, Cast In

REV: D-1-1

WEIGHT: 31.968 lbmass

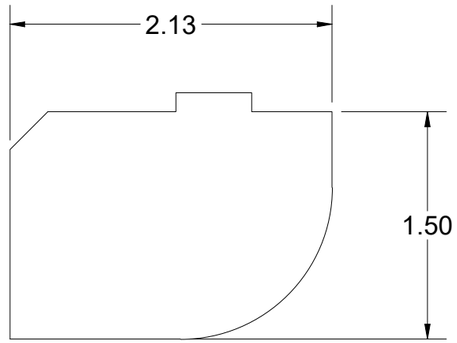
DRAWN BY: R. Dohr

CREATED: 4/24/2019

MODIFIED: 8/2/2024

SHEET: 16 OF 17

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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:	200088720 Frame Component BEAM LOCATOR RS82B		REV: D-1-1
WEIGHT: 0.160 lbmass		DRAWN BY: R. Dohr	SHEET: 17 OF 17
CREATED: 4/24/2019		MODIFIED: 8/2/2024	

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