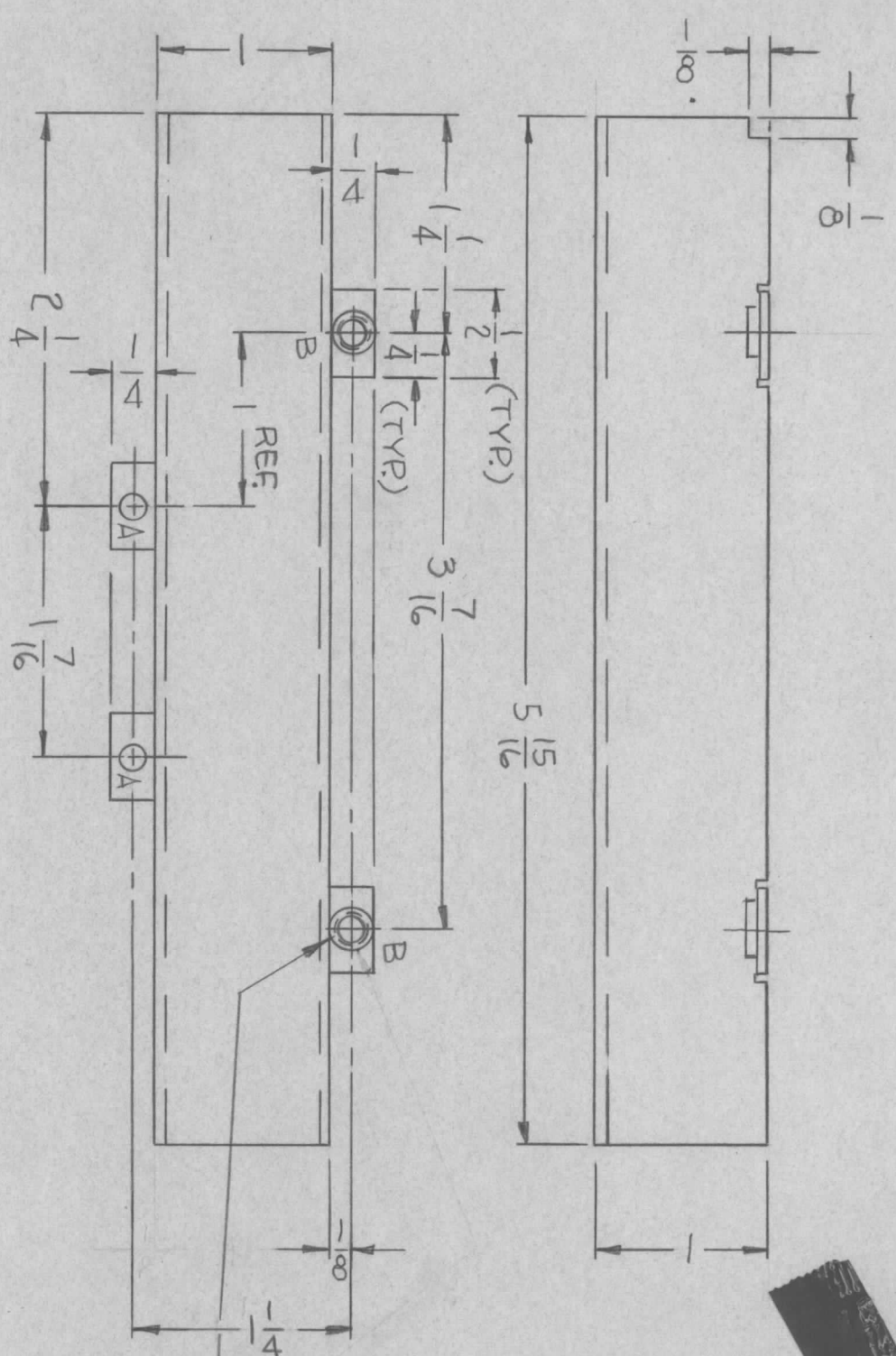


REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO	DRAFT	CHKD
	X	EXPERIMENTAL RELEASE	4-24-67		WHD	
	Ø	ORIG RELEASE FOR PROD	5-16-67		CV	

~HOLE~
 A - .9/64 DIA 2 REQ
 B - .161-.164 DIA 2 REQ



RELIEF (TYP.)

MARK TMC PART/NO.
 1/8 HIGH GOTHIC W/LATEST
 Ø REVISION LETTER

MOUNT ITEM 1 IN ALL
 "B" HOLES AS SHOWN

- UNLESS OTHERWISE SPECIFIED:
1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
 2. ALL ANGULAR BENDS 90 DEGREES
 3. REMOVE ALL BURRS AND SHARP EDGES
 4. MOUNT INSERTS AFTER FINISHING

QTY / UNIT	1	MODEL USED ON:	ASS'Y NO.
		APPLICATION	
	S401-451	CODE	A

DECIMALS	FRACTIONS
X ± .05	1/64
.XX ± .01	ANGLES
.XXX ± .005	0° .30'
MATERIAL	
.051 ALUMINUM	
5052-H32	
FINISH	
S404	
YELLOW IRIDITE	

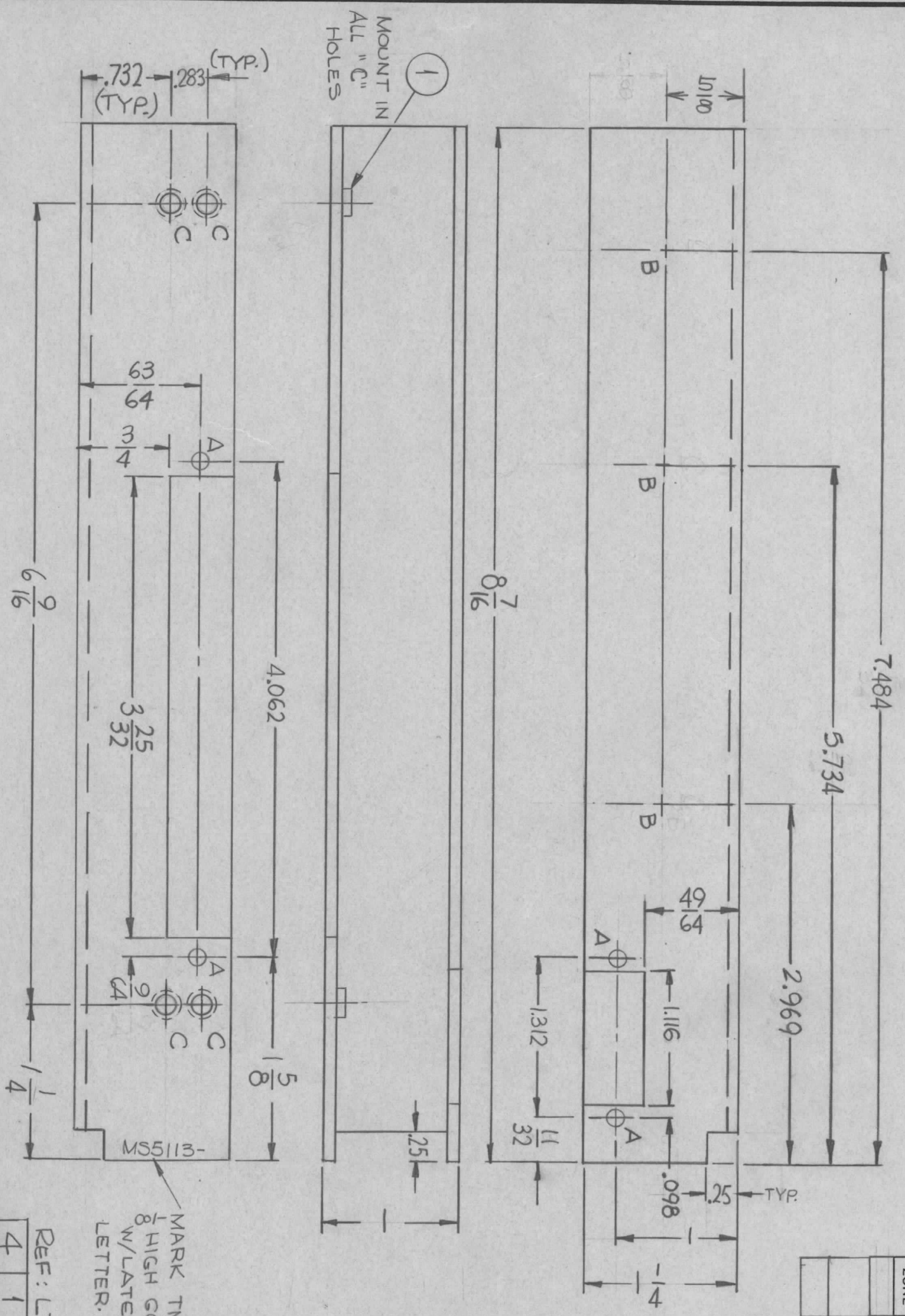
REQ'D ITEM	2	1	NT129-440-3	NUT, PLAIN SPLINE	B
LIST OF MATERIAL					
THE TECHNICAL MATERIEL CORP.					
MAMARONECK, NEW YORK					
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE		
B	82679	MSS110	Ø		
SCALE	1:1	SHEET	OF		

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REVISIONS

ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO	DRAFT	CHKD	APPD
X1		REDRAWN FOR CLARITY	6.5.67		410		
X2		.283 WAS .375; 4 "C" HOLES WERE "A" HOLES; ADD. IT. 1	6.19.67		ALL		
		ORIGINAL RELEASE	8/7/67				

HOLE	DESCRIPTION	REQ
A	9/64 DIA.	4
B	SEE DETAIL	3
C	.161 - .164 DIA.	4



MARK TMC P/N
1/8 HIGH GOTHIC
W/LATEST REV.
LETTER.

REF: LD 2233

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
4	1	NT129-440-5	NUT, PLAIN, SPLINE
			C

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

CHASSIS TRANSFORMER,
OSC.

QTY / UNIT	1	MODEL USED ON	VLRC-1	ASSY NO.	
APPLICATION		CODE	A	S401-451	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	DECIMALS	TOLS.	FRACTIONS	ANGLES
	X ± .05 .XX ± .01 .XXX ± .005		1/64	0° - 30'
MATERIAL	.093 THK. ALUM. 5052-H32			
FINISH	S404 YEL IRIDITE			

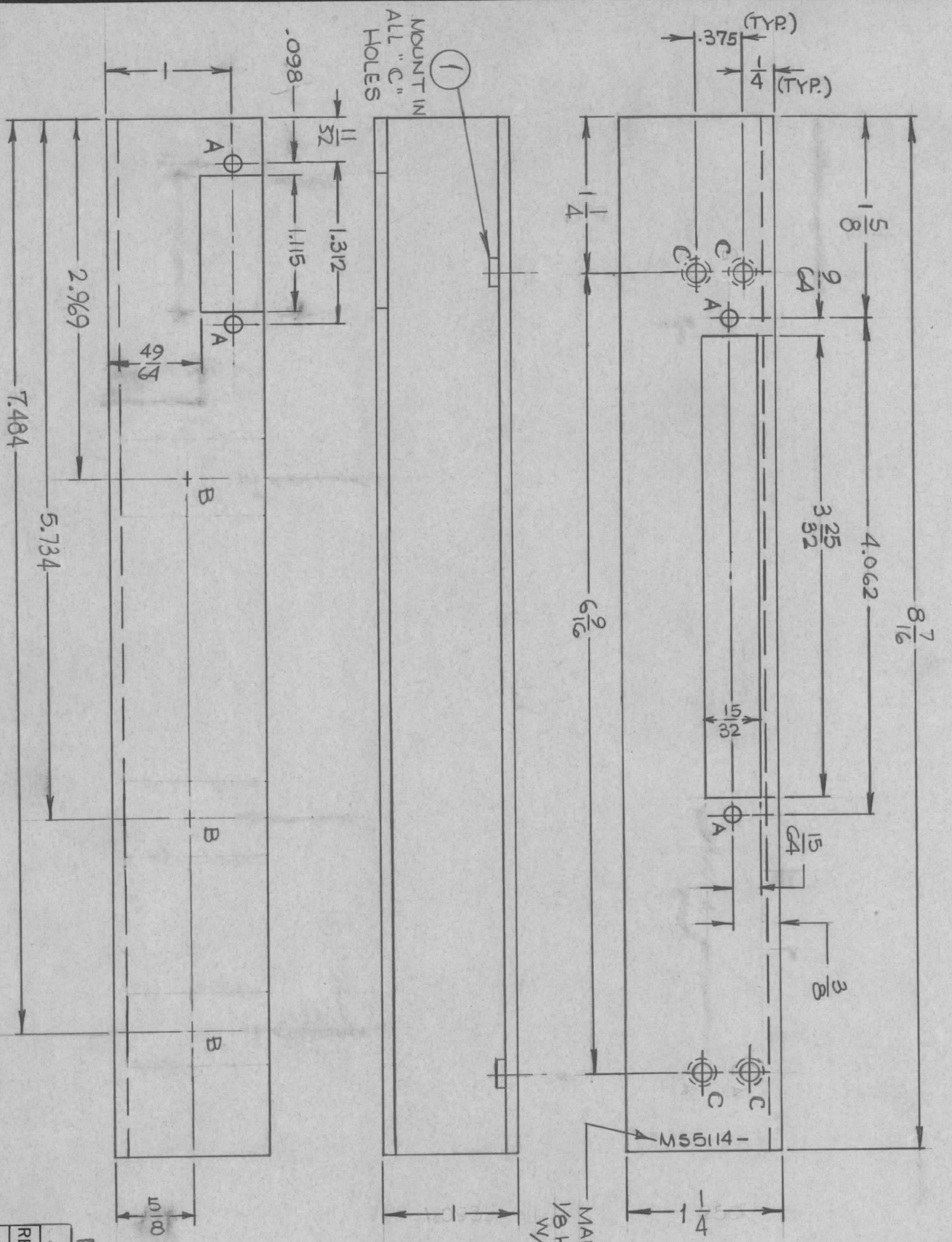
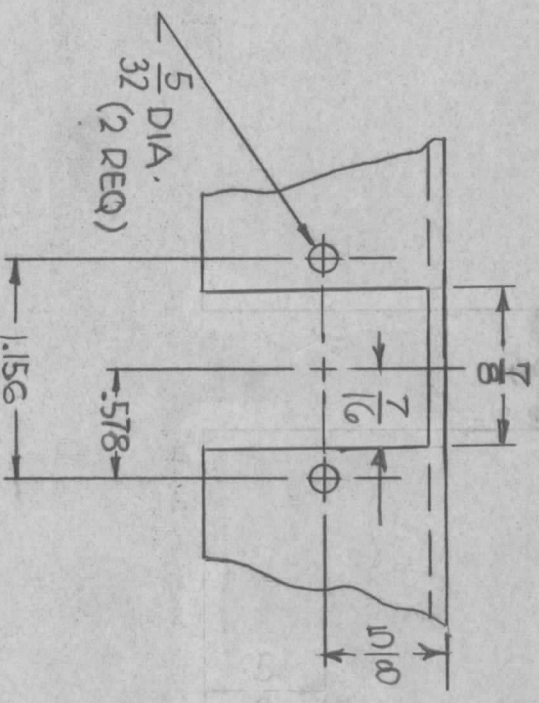
FINAL APPROVAL	DATE
<i>[Signature]</i>	8-14-67
MECH. DES.	DATE
<i>[Signature]</i>	8-4-67
ELECT. DES.	DATE
<i>[Signature]</i>	8-7-67
CHECKED	DATE
<i>[Signature]</i>	8-4-67
DRAWN	DATE
H. Austin	8-7-67

SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679		MS5113
SCALE	1:1	M/L W/T	SHEET OF

- UNLESS OTHERWISE SPECIFIED:
1. USE MATERIAL THICKNESS FOR MAXIMUM RADII ON ALL BENDS
 2. ALL ANGULAR BENDS 90 DEGREES
 3. REMOVE ALL BURRS AND SHARP EDGES
 4. MOUNT INSERTS AFTER FINISHING

ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
	X1	REWORK FOR CLARITY	6-26-67				
	X2	4 "C" HOLES WERE "A" HOLES ADD ITEM 1	6-19-67				
		ORIG. RELEASE FOR PROD 84-67					

HOLE	DESCRIPTION	REQ
A	9/64 DIA.	4
B	SEE DETAIL	3
C	.161 - .164 DIA.	4



- UNLESS OTHERWISE SPECIFIED:
1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
 2. ALL ANGULAR BENDS 90 DEGREES
 3. REMOVE ALL BURRS AND SHARP EDGES
 4. MOUNT INSERTS AFTER FINISHING

QTY / UNIT	3	MODEL USED ON	VLRG-1	ASS'Y NO.	
APPLICATION		CODE	A	S401-451	

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	DECIMALS	FRACTIONS
X ± .05	1/64	
.XX ± .01		ANGLES
.XXX ± .005		0° - 30°

MATERIAL	093 THK ALUM
FINISH	5052-H32
FINISH	S404 YEL IRDITE

REF: LD2232-1, -2, -3

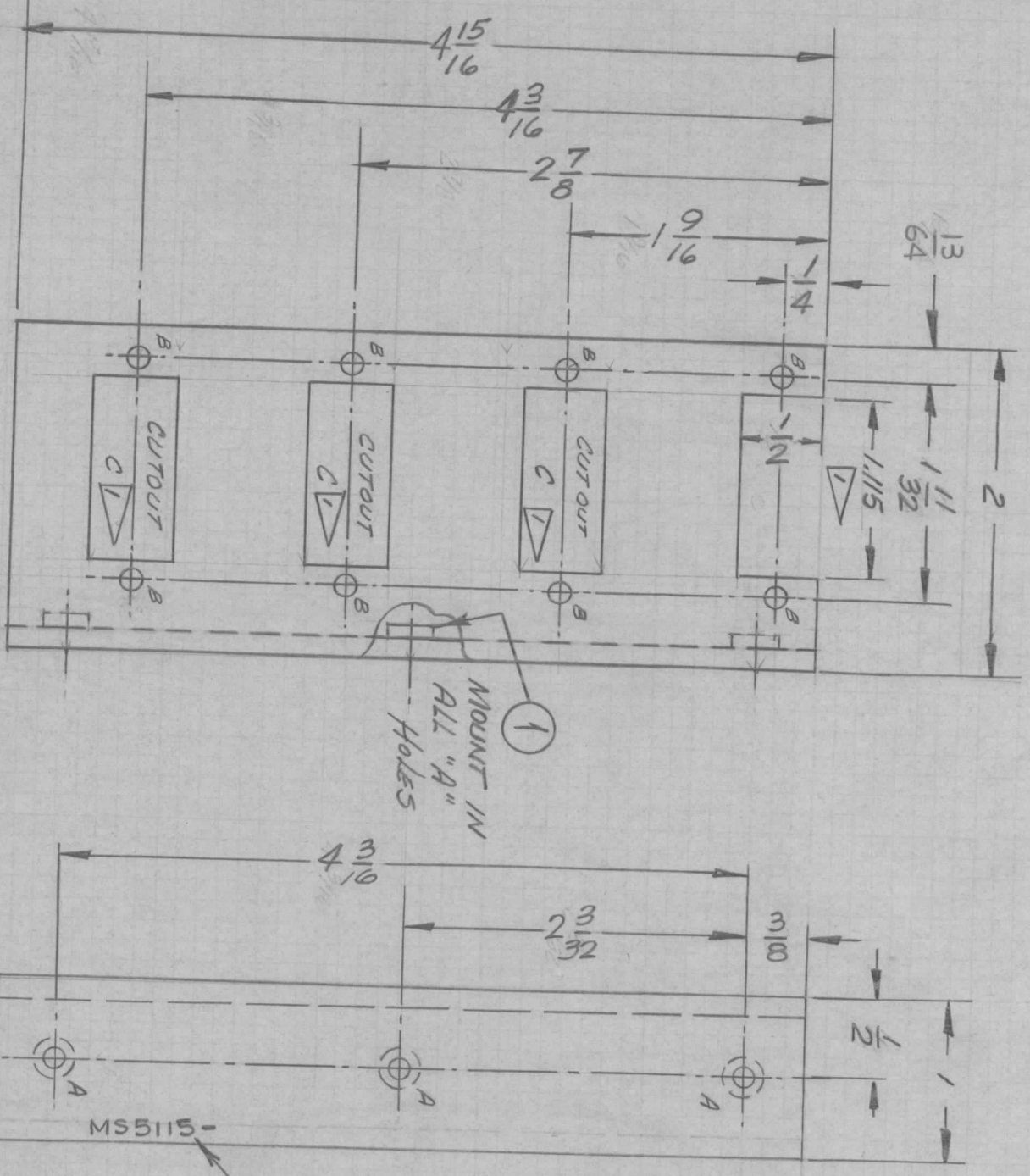
REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
4	1	NT129-440-5	NUT, PLAIN, SPLINE
			C

LIST OF MATERIAL
 THE TECHNICAL MATERIEL CORP.
 MAMARONECK, NEW YORK

DATE	8-4-67	DATE	6-1-67
MECH. DES.		DATE	
ELECT. DES.		DATE	
CHECKED		DATE	
DRAWN	H. Austin	DATE	6-1-67
SCALE	1:1	SIZE	B
		CODE IDENT. NO.	82679
		DWG NO.	M55114
		ISSUE	

- UNLESS OTHERWISE SPECIFIED:
1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
 2. ALL ANGULAR BENDS 90 DEGREES
 3. REMOVE ALL BURRS AND SHARP EDGES
 4. MOUNT INSERTS AFTER FINISHING

NOTES



MS5115

REVISIONS		DATE	EM.N. NO.	DRAFT	CHKD	APPD
X	EXPERIMENTAL Release	5/1/67	2	WJ	WJ	WJ
Ø	ORIGINAL RELEASE FOR PROD	8/4/67	Ø			

HOLE	DESCRIPTION	REQ
A	.191 - .194 DIA.	3
B	9/64 DIA.	8
C	1.115 x 1/2 RECT. CUTOUT	3

POSITION CUTOUT ON CENTERLINE OF RESPECTIVE HOLES

MARK TMC PT. NO. 1/8 HIGH GOTHIC W/LATEST REV. LETTER

REF: LD 2234

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
3	1	NT129-G32-G	NUT, PLAIN, SPLINE	A

LIST OF MATERIAL
THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

FINISH
3404 YELLOW IRIDIUM

TITLE
PLATE, CONNECTOR

QTY./UNIT	1	MODEL USED ON	VLRC-1	ASSY. NO.	5401-451
SCALE	FULL	CODE	A		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS
.X ± .05
.XX ± .01
.XXX ± .005

FRACTIONS
± 1/64
ANGLES
± 0° 30'

DRAWN	EDL	DATE	8/4/67	FINAL APPROVAL	WJM	DATE	
CHECKED		DATE					
ELECT. DES.		DATE					
MECH. DES.		DATE					

MS5115

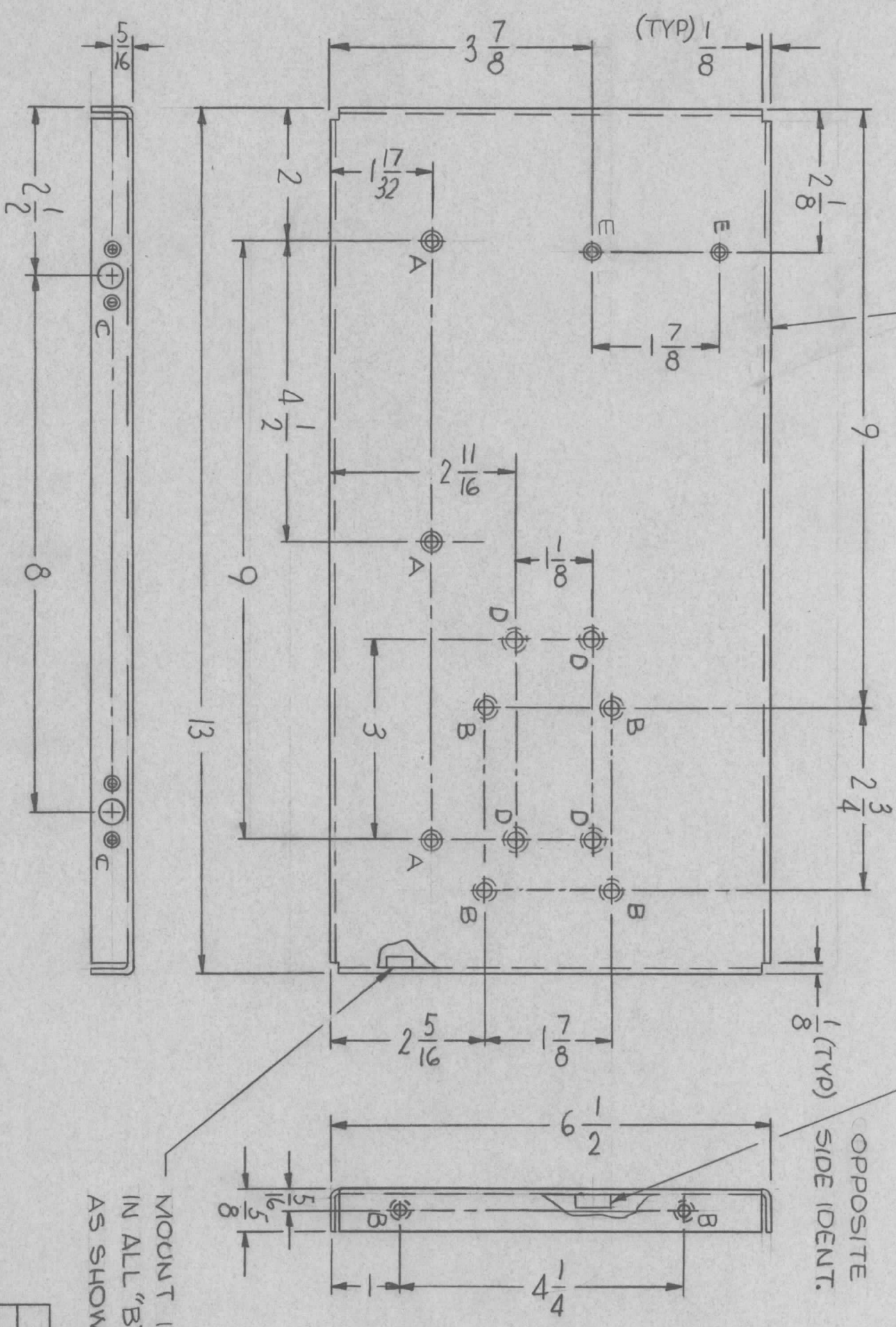
MARK TMC PART/NO. MSS117-
 1/8 HIGH GOTHIC W/LATEST
 REVISION LETTER

MOUNT (ITEM 2)
 IN ALL "D" HOLES
 AS SHOWN.

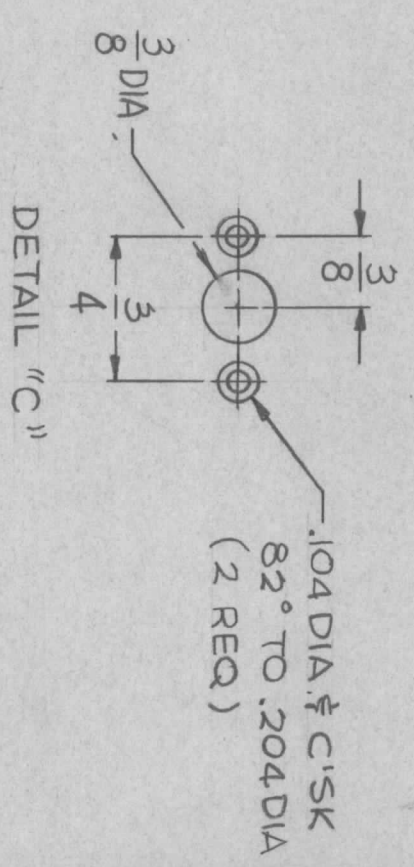
OPPOSITE
 SIDE IDENT.

MOUNT ITEM 1
 IN ALL "B" HOLES
 AS SHOWN.

OPPOSITE SIDE IDENTICAL



HOLE	DESCRIPTION	REQ
A	.169 DIA ± C/SK 82° TO .337 DIA	3
B	.221 TO .224 DIA	8
C	SEE DETAIL	4
D	.250 TO .253 DIA	4
E	.144 DIA ± C/SK 82° TO .284 DIA	2



REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
4	NT129-1032-4	NUT, PLAIN, SPLINE	D
8	NT129-832-4	NUT, PLAIN, SPLINE	B

LIST OF MATERIAL

THE TECHNICAL MATERIEL CORP.
 MAMARONECK, NEW YORK

PLATE, SIDE, LEFT

- UNLESS OTHERWISE SPECIFIED:
1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
 2. ALL ANGULAR BENDS 90 DEGREES
 3. REMOVE ALL BURRS AND SHARP EDGES
 4. MOUNT INSERTS AFTER FINISHING

QTY / UNIT	MODEL USED ON	ASS'Y NO.
1EA	SMEA-1, SMEB-1	
1EA	SMEC-1, SMEE-1	

APPLICATION CODE

S401-451

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS: .X ± .05 TOLS. 1/64
 .XX ± .01 ANGLES 90° .30'
 .XXX ± .005

MATERIAL: .064 ALUMINUM
 5052-H32

FINISH: S404 YEL IRIDITE

APPROVAL	DATE
MECH. DES.	DATE
ELECT. DES.	DATE
CHECKED	DATE
DRAWN	DATE

SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679	MSS117	

SCALE 1:2

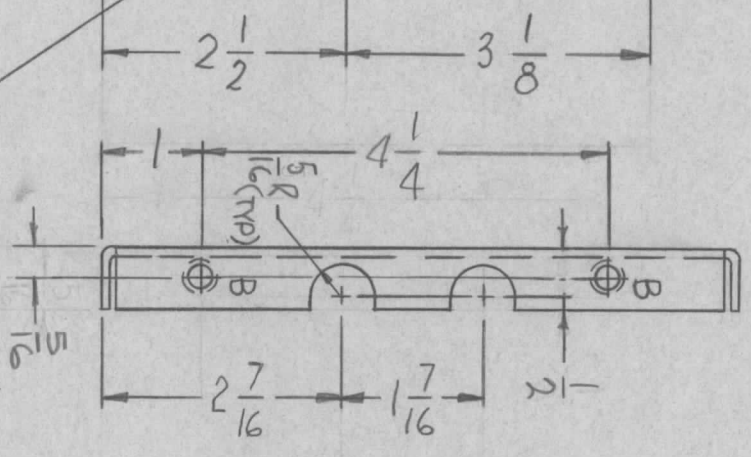
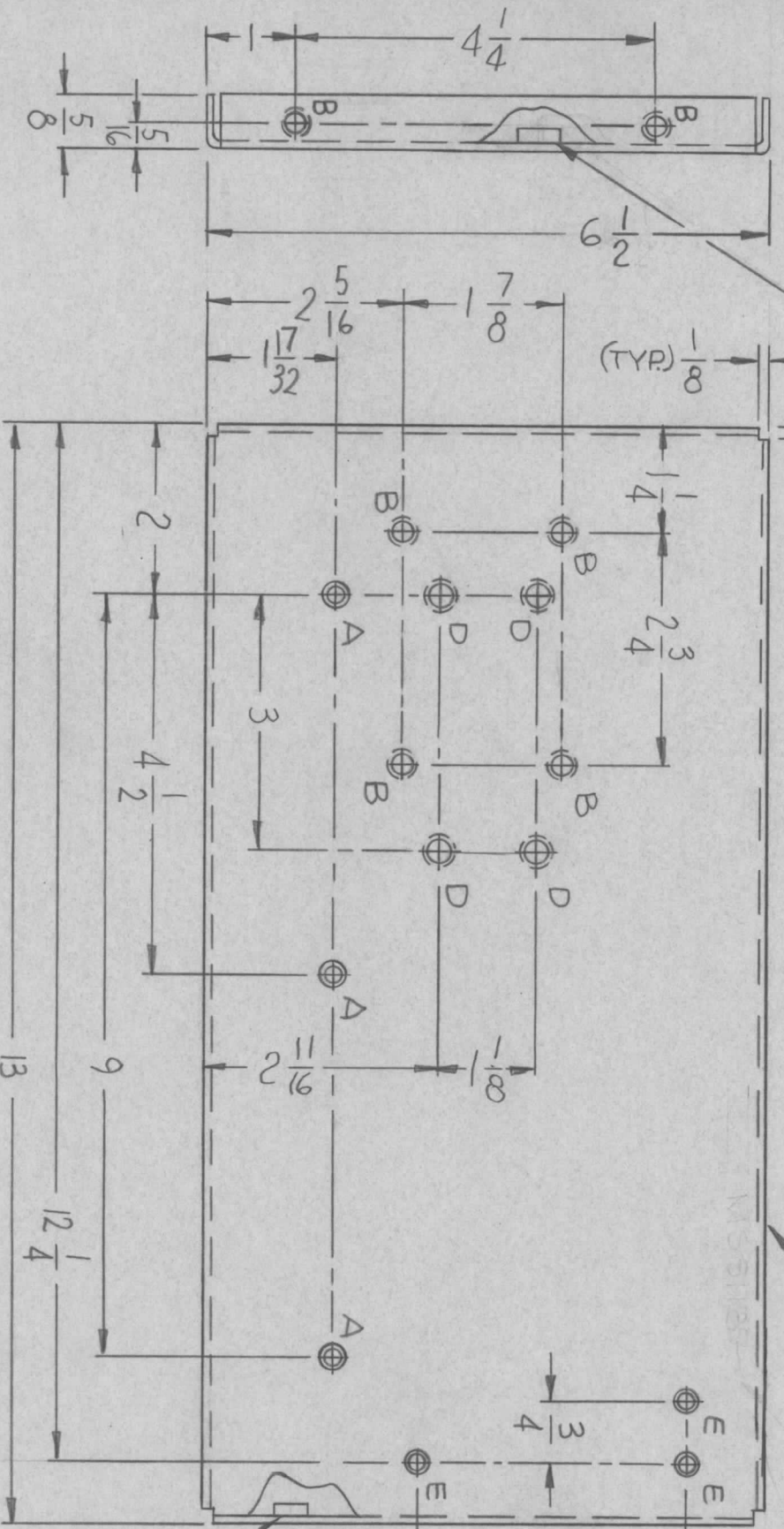
SHEET OF

ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO	DRAFT	CHKD	APPD
X		EXP. RELEASE	5.25.67				
		ORIG. RELEASE FOR PROD.	6.2.67				

REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO	DRAFT	CHKD
	X	EXP. RELEASE	5.22.67	-4-	LFH	
	Ø	ORIG. RELEASE FOR PROD.	6.2.67	Ø	RG	

MOUNT ITEM
 ② IN ALL "D" HOLES
 AS SHOWN

MARK TMC PART/NO. MSS118-
 1 HIGH GOTHIC W/LATEST
 REVISION LETTER.



HOLE	DESCRIPTION	REQ
A	.169 DIA ± CSK 82° TO .337 DIA.	3
B	.221 TO .224 DIA.	8
C	SEE DETAIL	4
D	.250 TO .263 DIA.	4
E	.120 DIA ± CSK 82° TO .230 DIA	3

MOUNT ITEM ①
 IN ALL "B" HOLES
 AS SHOWN.

OPPOSITE SIDE IDENTICAL

LIST OF MATERIAL

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
4	NT129-1032-4	NUT, PLAIN, SPLINE TYPE	D
8	NT129-832-4	NUT, PLAIN, SPLINE TYPE	B

THE TECHNICAL MATERIEL CORP.
 MAMARONECK, NEW YORK

PLATE, SIDE, RIGHT

FINAL APPROVAL	DATE
MECH. DES.	DATE
ELECT. DES.	DATE
CHECKED	DATE
DRAWN	DATE

SIZE CODE IDENT. NO. DWG NO. ISSUE

B 82679 MSS118 Ø

SCALE 1:2 SHEET OF

UNLESS OTHERWISE SPECIFIED:

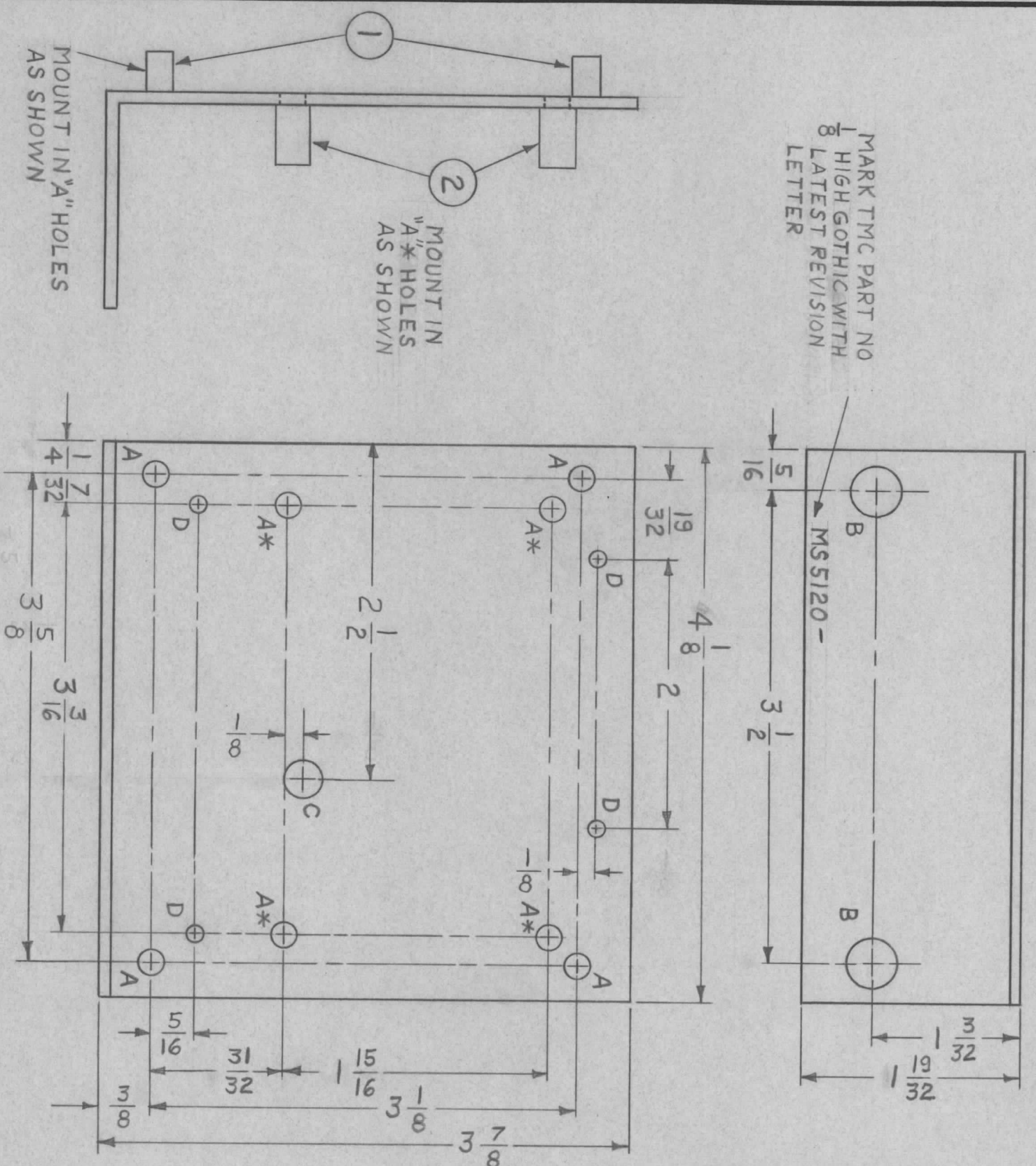
1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
2. ALL ANGULAR BENDS 90 DEGREES
3. REMOVE ALL BURRS AND SHARP EDGES
4. MOUNT INSERTS AFTER FINISHING

1 EA	SMEA-1, SMEB-1	MODEL USED ON	ASS'Y NO.
1 EA	SMEC-1, SMEE-1	APPLICATION	
S401-451		CODE	A

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REVISIONS							
ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO	DRAFT	CHKD	APPD
X		EXPERIMENTAL RELEASE	5-29-67		L.A.K.		
		ORIG. RELEASE FOR PROD.	6-2-67		RG		

MARK TMC PART NO
 $\frac{1}{8}$ HIGH GOTHIC WITH
 LATEST REVISION
 LETTER



HOLE	DESCRIPTION	REQ
A	.189 DIA	8
B	3/8 DIA	2
C	9/32 DIA	1
D	9/64 DIA	4

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
4	TE108-19	NUT, PLAIN, SPLINE	A*
4	TE108-11	NUT, PLAIN, SPLINE	A

O. POSE
 LIST OF MATERIAL
 THE TECHNICAL MATERIEL CORP.
 MAMARONECK, NEW YORK

BRACKET, MOUNTING, PC BOARD

SIZE CODE IDENT. NO. DWG NO. ISSUE
 B 82679 MS5120
 SCALE 1:1 SHEET OF

QTY / UNIT	MODEL USED ON	ASSY NO.
1	SMEB-1	
APPLICATION		
S401-451	CODE A	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS: .XX ± .01, .XXX ± .005
 FRACTIONS: 1/64, 1/32, 1/16, 1/8, 3/16, 5/16, 3/8, 1/2, 5/8, 3/4, 7/8, 1.000

TOLS. ANGLES: 0° - 30'

MATERIAL: .081 THICK ALUM 5052-H32
 FINISH: S404 YELLOW IRIDITE

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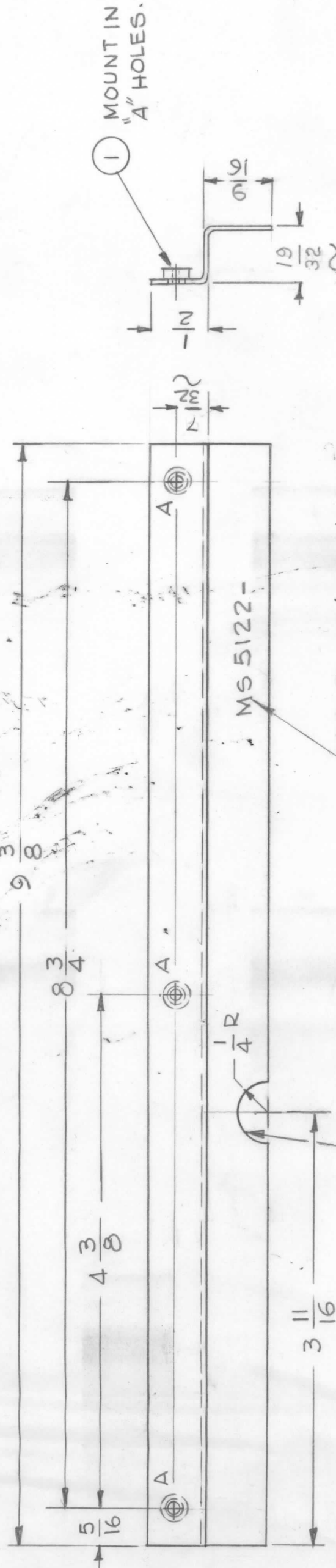
- UNLESS OTHERWISE SPECIFIED:
1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
 2. ALL ANGULAR BENDS 90 DEGREES
 3. REMOVE ALL BURRS AND SHARP EDGES
 4. MOUNT INSERTS AFTER FINISHING

HOLE	DESCRIPTION	REQ.
A	.191 - .194 DIA	3

MS 5122

REVISIONS

SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	EXP. RELEASE	6-14-67	X	G.D.L.		
Ø	ORIG RELEASE FOR PRODUCTION	6-26-67		RG		
A	CHG. DIM. TO 7/32 & 19/32	8-16-71	20441	R7		



MARK TMC P/No. 1/8 HIGH GOTHIC W/LATEST REV. LETTER.

MUST BREAK SHARP EDGES.

- UNLESS OTHERWISE SPECIFIED:
- USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
 - ALL ANGULAR BENDS 90 DEGREES
 - REMOVE ALL BURRS AND SHARP EDGES
 - MOUNT INSERTS AFTER FINISHING

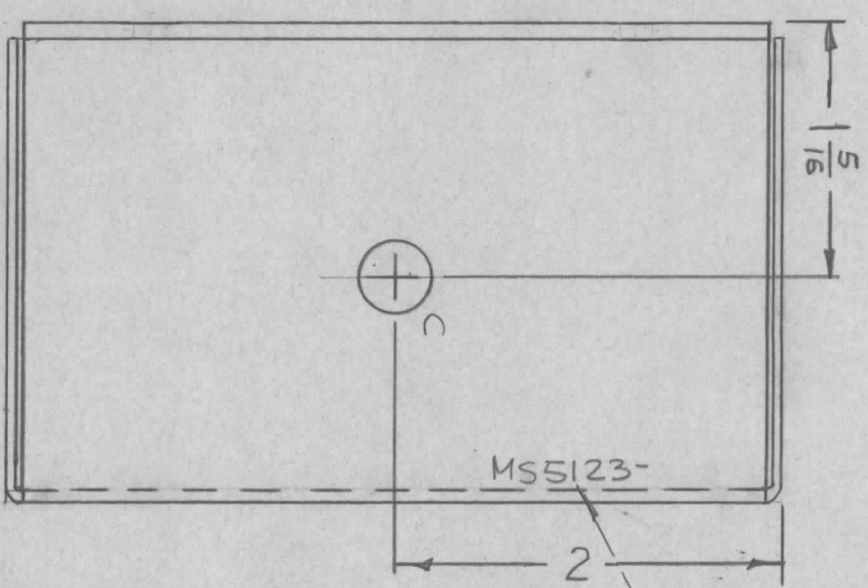
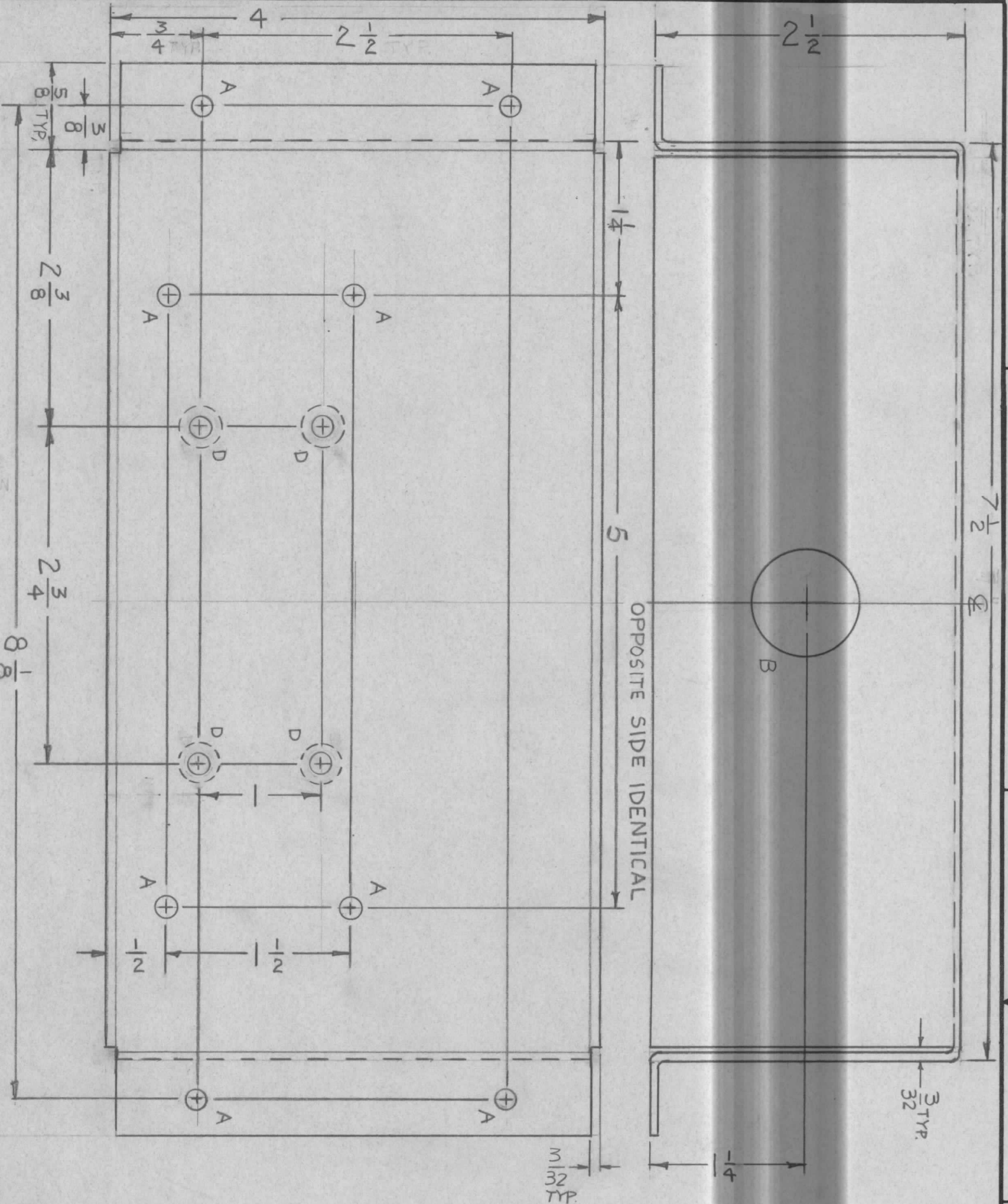
REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
3	1	NT129-632-3	NUT, PLN, SPLINE	A
O. POSE				
LIST OF MATERIAL SK3246 MS 1B				
MATERIAL .040 THK ALUMINUM 5052-H32				
FINISH S404 YELLOW IRIDITE				
TITLE SHIELD, RF				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
DRAWN G.D.L.				
CHECKED				
ELECT. DES.				
MECH. DES.				
DATE 6-14-67				
DATE 6-22-67				
DATE 6-23-67				
DATE 6/20/67				
M55122				
SHEET				
REV. LTR. A				

Q'TY./UNIT.	MODEL USED ON	ASSY. NO.
1	MMX-1	BMA-105
SCALE 1:1	CODE A	S401-451

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NOTES

REVISIONS							
ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO	DRAFT	CHKD	APPD
X		EXP. RELEASE	9-13-67		H.G.		
Ø		ORIG. RELEASE FOR PROD.	11-29-67	Ø	R.G.		



HOLES	DESCRIPTION	REQ'D
A	11/64 DIA	8
B	7/8 DIA	2
C	3/8 DIA	2
D	.169 DIA - C'SK Ø2° TO .337 DIA	4

MARK TMC P/M
1/4 HIGH GOTHIC
8 W/LATEST REV.
LETTER.

UNLESS OTHERWISE SPECIFIED:

1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
2. ALL ANGULAR BENDS 90 DEGREES
3. REMOVE ALL BURRS AND SHARP EDGES

QTY / UNIT	1	MODEL USED ON	RAK 75-4	ASS'Y NO.	
APPLICATION		CODE	A	5401-451	

DECIMALS	X ± .05	TOLS.	1/64
.XX ± .01		ANGLES	0° .30'
.XXX ± .005			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES			

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MATERIAL	064 ALUM
FINISH	5052-H32
FINISH	5 404 YEL IRIDITE

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
M. STURMER		LIST OF MATERIAL MS-J11214-5	

FINAL APPROVAL	DATE	MECH. DES.	DATE	ELECT. DES.	DATE	CHECKED	DATE	DRAWN	DATE
	11/21/67		11/16/67		11/16/67	H.G.	11/22/67		9/15/67

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

CHASSIS, AC

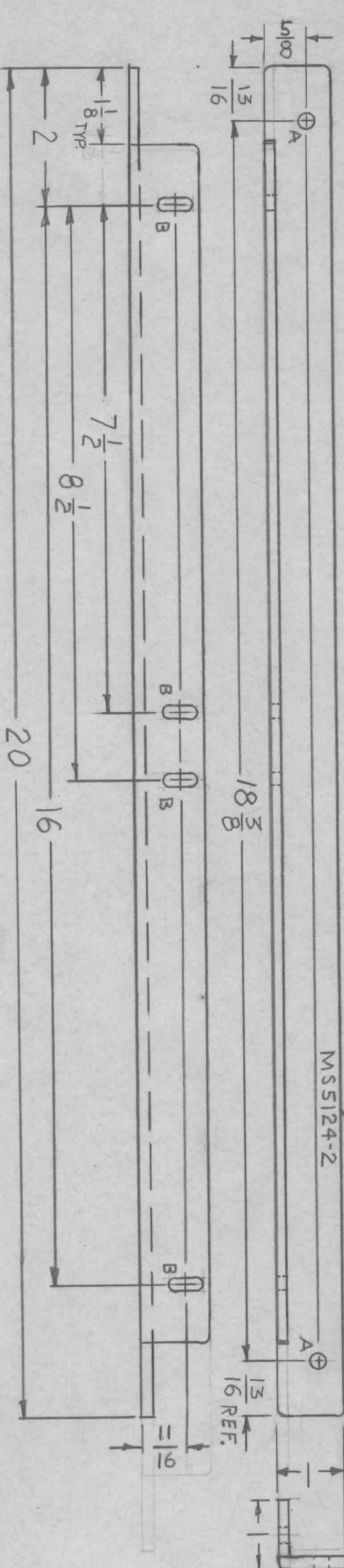
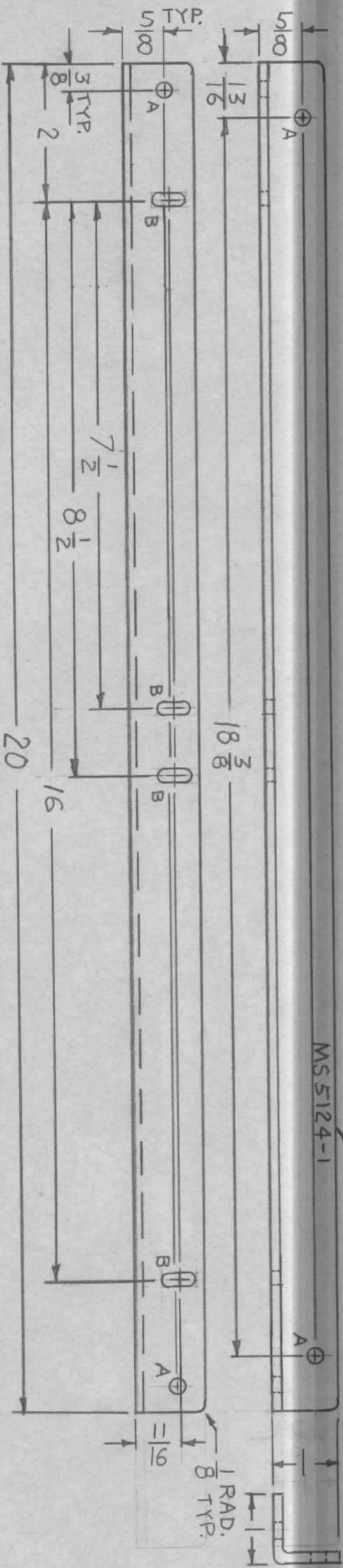
SIZE B CODE IDENT. NO. 82679 DWG. NO. MS5123

SCALE 1:1 SHEET OF

HOLE	DESCRIPTION	REQ'D
A	15/64 DIA.	4
B	13/64 X 1/2 SLOT	4

MS 5124-1

MARK TMC P/N 1/8 HIGH
GOTHIC W/LATEST REV.
LETTER.



MARK TMC P/N 1/8 HIGH GOTHIC
W/LATEST REV. LETTER.

REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO	DRAFT	CHKD
X	X	EXP. RELEASE	9/7/67		H.G.	
Ø		ORIG. RELEASE FOR PROD.	11-29-67	Ø	R.G.	

HOLE	DESCRIPTION	REQ'D
A	15/64 DIA.	2
B	13/64 X 1/2 DIA.	4

MS 5124-2

UNLESS OTHERWISE SPECIFIED:

1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
2. ALL ANGULAR BENDS 90 DEGREES
3. REMOVE ALL BURRS AND SHARP EDGES

IEA	RAK 75-4	ASSY NO.
QTY / UNIT	MODEL USED ON	
	APPLICATION	
	CODE	5401-451

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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
AND INCLUDE CHEMICALLY APPLIED
OR PLATED FINISHES

DECIMALS FRACTIONS

X ± .05 TOLS. 1/64
.XX ± .01 ANGLES 0°-30'
.XXX ± .005

MATERIAL .081 THK
ALUM. 5052-H32

FINISH
S404 YEL IRIDITE

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
M. STURMER	MS 511214-30	LIST OF MATERIAL	

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

BRANCKEY, MITG TERM BLOCK

FINAL APPROVAL

MECH. DES.

ELECT. DES.

CHECKED

DRAWN

DATE

DATE

DATE

DATE

DATE

SIZE CODE IDENT. NO. DWG NO. ISSUE

B 82679 MS 5124-1

SCALE SHEET OF

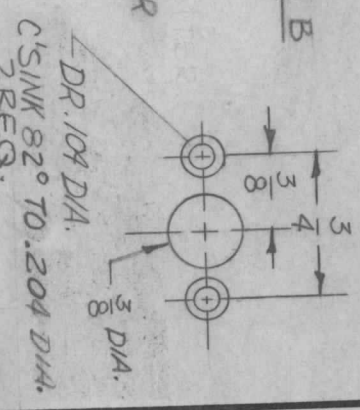
1

ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
X	EXP. RELEASE		7-8-67				
X1	B HOLES WERE 191-194, 632 NT DEL9-25-67		9-26-67		RG		
Ø	ORIG. RELEASE FOR PROD.		11-9-67	18600	HG.		
A	COMPLETELY REV.		1-3-68	18699	HG.		
B	MS5134-2 WAS NO E HOLES REQ		3-14-68	18814	HG.		
C	COMPLETELY REV.		5/16/68	18929	HG.		
D	3/4 LIPS WERE 5/8		5-20-71	20346	HG.		
E	2 J HOLES ADDED				RT		

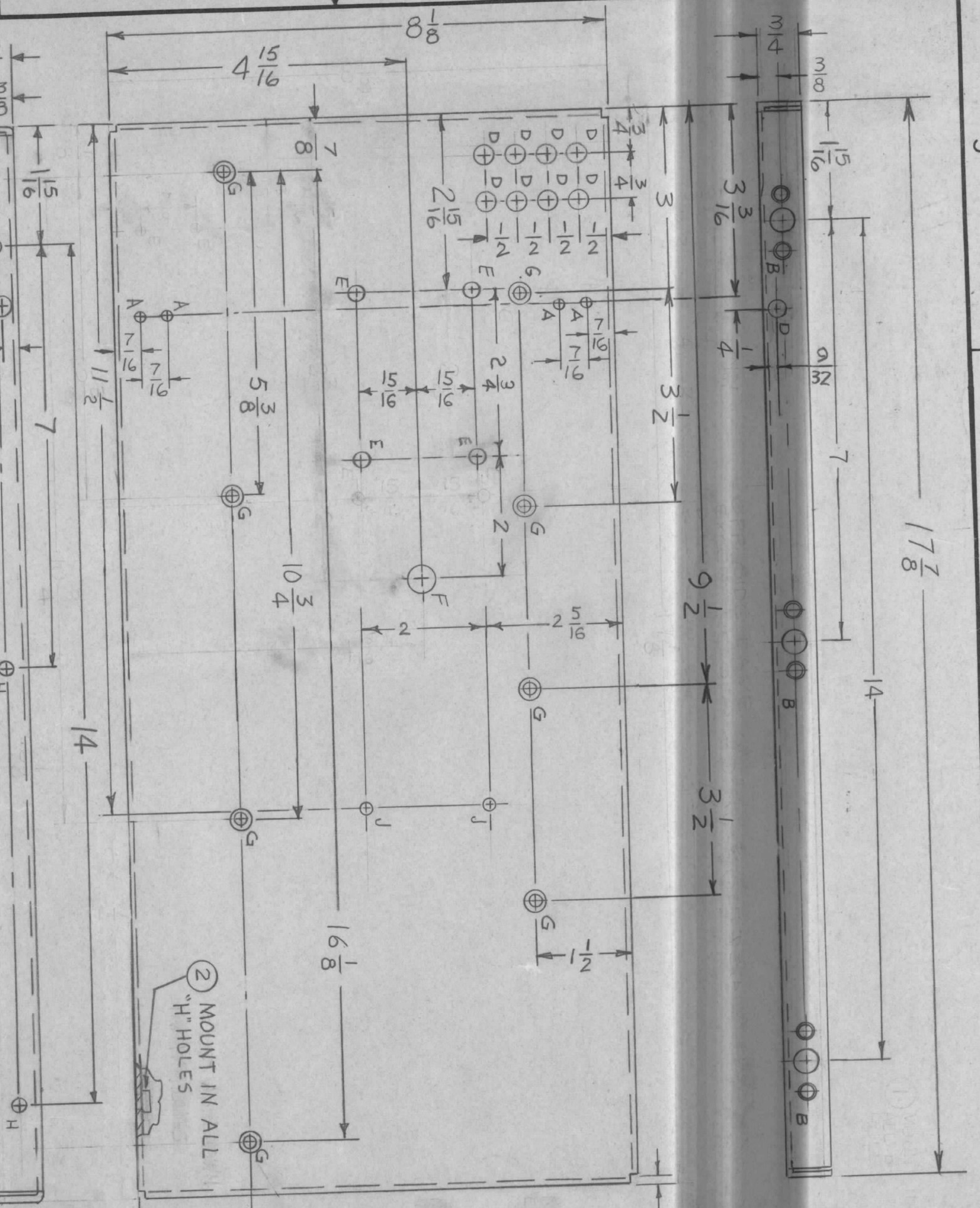
OPP. SIDE SAME

HOLES	DESCRIPTION	REQ
A	9/64 DIA.	4
B	SEE DETAIL	3
C	.221-.224 DIA.	4
D	5/16 DIA.	10
E	1/4 DIA.	4
F	5/16 DIA.	1
G	DR. 169 DIA. C SINK 82° TO .337 D	8
H	.191-.194	3
J	11/64 DIA	2

* MS5134-1 EXCLUDE 4 TOP "G" HOLES & 2 "J" HOLES (RIGHT PLATE)
 * MS5134-2 EXCLUDE A, & D HOLES



MARKTMC P/N
 1/8 HIGH GOTHIC
 W/LATEST REV LETTER



REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
3	NT129-632-4	NUT, PLAIN, SPLINE	H
4	NT129-832-4	NUT, PLAIN, SPLINE	C

LIST OF MATERIAL SK3240-3#4

THE TECHNICAL MATERIEL CORP.
 MAMARONECK, NEW YORK

PLATE, RIGHT & LEFT

UNLESS OTHERWISE SPECIFIED:

1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
2. ALL ANGULAR BENDS 90 DEGREES
3. REMOVE ALL BURRS AND SHARP EDGES
4. MOUNT INSERTS AFTER FINISHING

IEA	LPA-2	ASS'Y NO.
QTY / UNIT	MODEL USED ON	
5401-451	APPLICATION	
	CODE	

DECIMALS	FRACTIONS
X ± .05 TOLS.	1/64 ANGLES
.XX ± .01	0°-30'
.XXX ± .005	

FINAL APPROVAL	DATE
<i>[Signature]</i>	7/26/67
MECH. DES.	DATE
<i>[Signature]</i>	8-31-67
ELECT. DES.	DATE
<i>[Signature]</i>	9/26
CHECKED	DATE
<i>[Signature]</i>	8-31-67
DRAWN	DATE
<i>[Signature]</i>	7-10-67

MATERIAL	062 THK ALUMINUM
FINISH	5052-H32
FINISH	S404 YEL. IRIDITE

SIZE	CODE IDENT. NO.	DWG. NO.	ISSUE
B	82679	MS5134	E

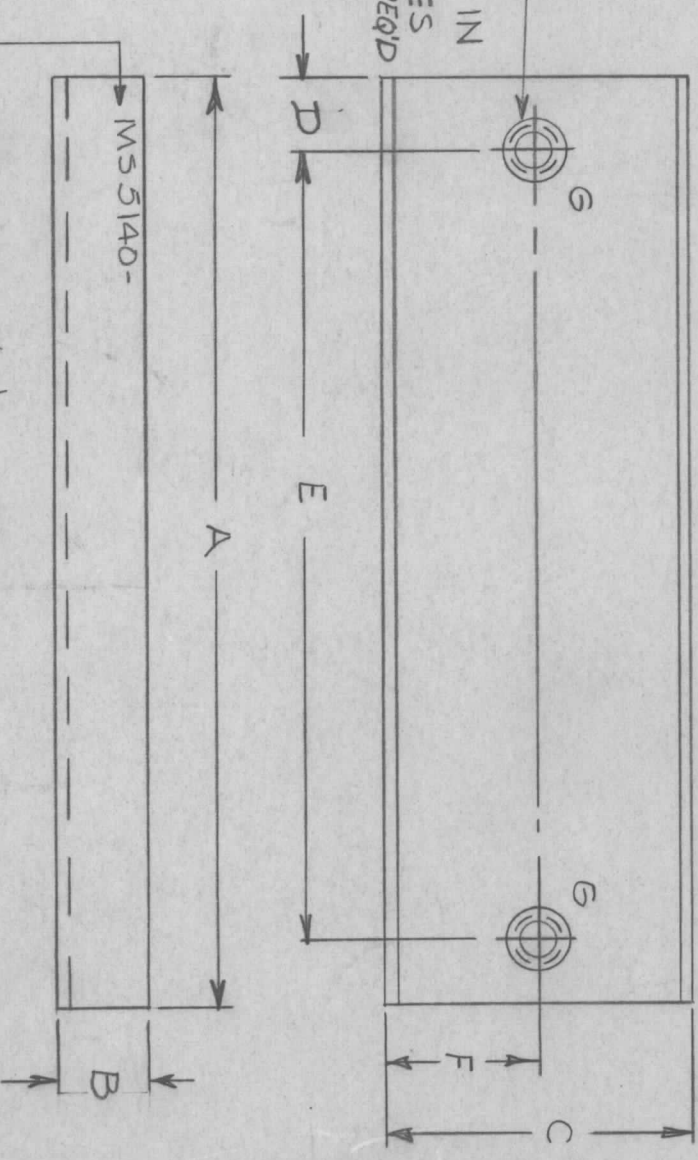
SCALE	1:2	SHEET	OF
		1	

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TMC P/N	A	B	C	D	E	F	G	MATERIAL	FINISH	ITEM 1	ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
MS5140	5-3/8	1/2	1-3/4	3/8	4-5/8	7/8	13/64	.062 ALUMINUM 5052-H32	S404 YEL IRIDITE	---	A	REDRAWN & REV.	124-68	18736	MB	MB	FB	
MS5140-2	3-5/8	3/8	13/16	1/4	3-1/8	13/32	.191-.194	.062 ALUMINUM 5052-H32	S404 YEL IRIDITE	NT129-632-4	B	REV. & UPDATED	3/1/68	18796	MB	MB	FB	
MS5140-3	3-1/2	5/16	3/4	1/4	3	3/8	.191-.194	.062 ALUMINUM 5052-H32	S404 YEL IRIDITE	NT129-632-4	C	ADDED MS5140-4	4/29/72	20620	GE	SP	SP	
MS5140-4	3-5/8	3/8	1-9/16	1/4	3-1/8	1/2	.191-.194	.062 ALUMINUM 5052-H32	S404 YEL IRIDITE	NT129-632-4								

REVISIONS

MOUNT IN
"G" HOLES
WHEN REQ'D



MARK TMC P/N HIGH GOTHIC
W/LATEST REV. LETTER

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
2	1	SEE CHART NUT, PLAIN, SPLINE	G
F. BUDETTI		LIST OF MATERIAL	SK 3240-14

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

BRACKET, MTG, XFMR

FINAL APPROV. DATE	MECH. DES. DATE	ELECT. DES. DATE	CHECKED DATE	DRAWN DATE
<i>[Signature]</i>	EP		HIG	HIG
DATE	DATE	DATE	DATE	DATE
			1/26/68	1/24/68

SIZE	CODE IDENT. NO.	DWG. NO.	ISSUE
B	82679	MS 5140	C
SCALE 1:1	SHEET		OF

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
AND INCLUDE CHEMICALLY APPLIED
OR PLATED FINISHES

DECIMALS
X ± .05
.XX ± .01
.XXX ± .005

FRACTIONS
1/64
ANGLES
0°-30'

FINISH
SEE CHART

QTY / UNIT
1

MODEL USED ON
LPA-2

ASS'Y NO.
APPLICATION
S401-451

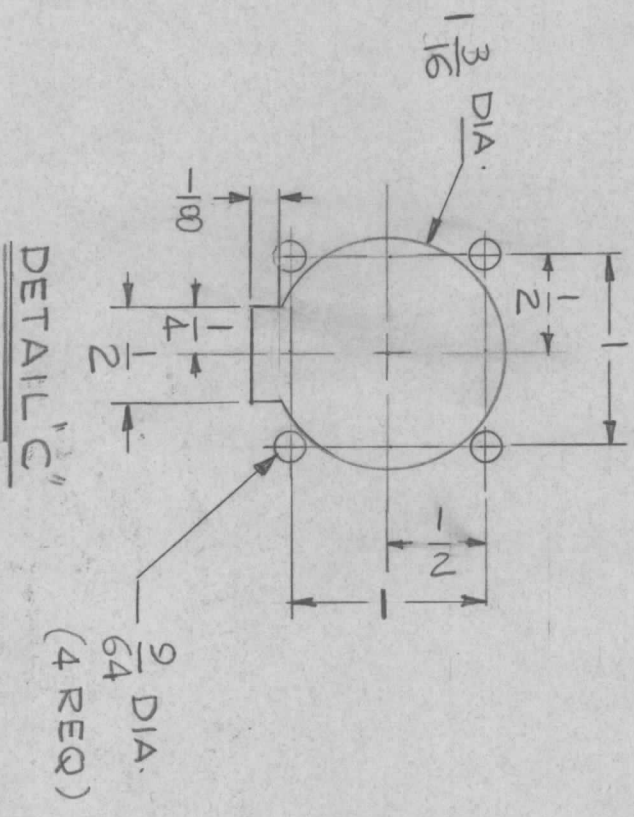
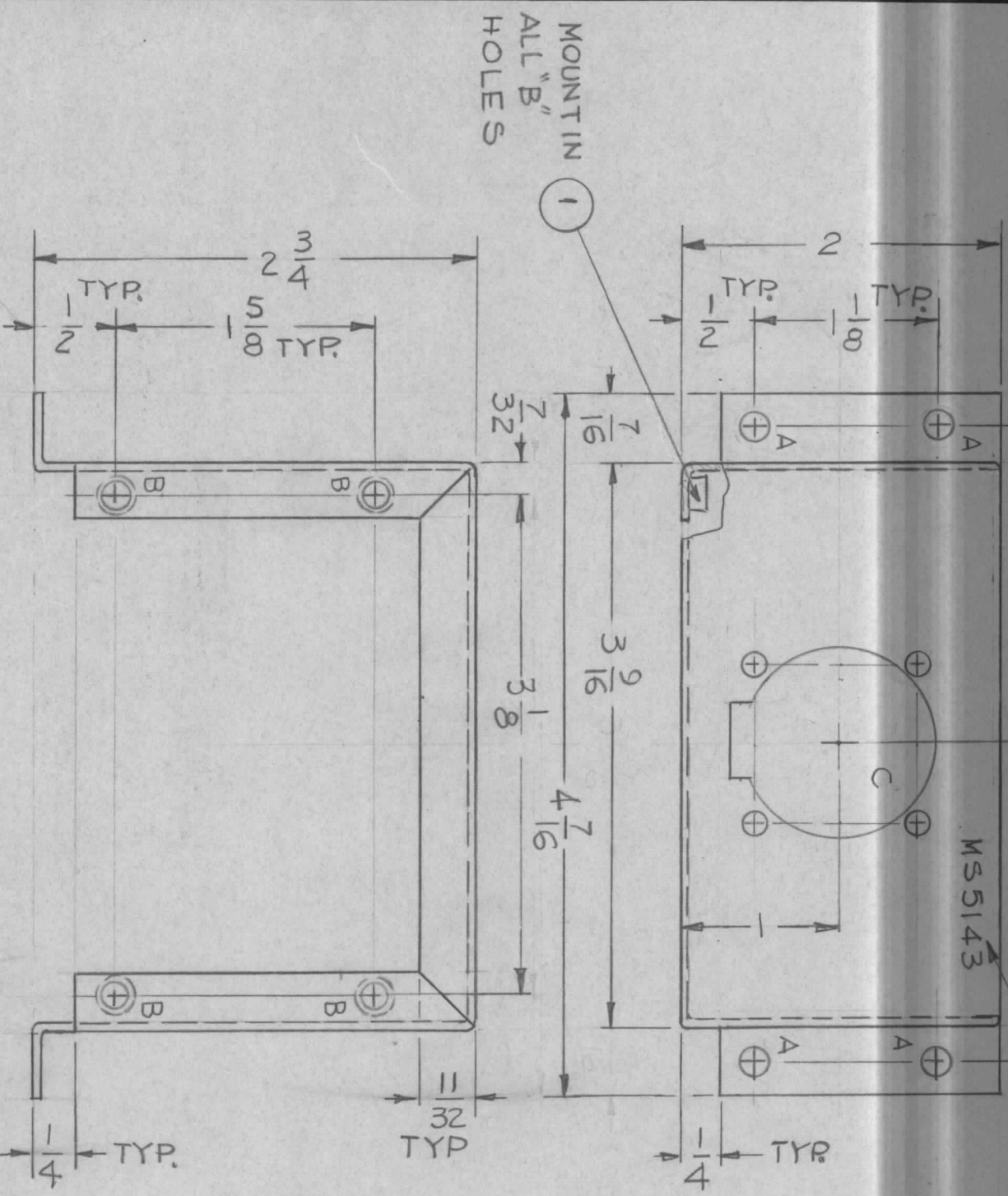
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UNLESS OTHERWISE SPECIFIED:

1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS.
2. ALL ANGULAR BENDS 90° DEGREES.
3. REMOVE ALL BURRS & SHARP EDGES.
4. MOUNT INSERTS AFTER FINISHING.

ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO	DRAFT	CHKD	APPD
	X	EXP. RELEASE	9-1-67	X	G.D.L		
		ORIG. RELEASE FOR PROD	2-11-69	Ø	EG		

MARK TMC P/NO 1/8
HIGH GOTHIC W/LATEST
REVISION LETTER



HOLE	DESCRIPTION	REQ
A	11/64 DIA	4
B	.161 - .164 DIA	4
C	SEE DETAIL	1

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
4	1	NT129-440-3	NUT, PLAIN SPLINE
			B

LIST OF MATERIAL SK3252-007-4
THE TECHNICAL MATERIEL CORP.
 MAMARONECK, NEW YORK

COVER, LEDEX & P.C. BOARD

QTY / UNIT	1	MODEL USED ON	RTMU-41B, A	ASS'Y NO.	
APPLICATION		CODE	A	5401-251	

DECIMALS	X ± .05	FRACTIONS	1/64
	.XX ± .01	TOLS.	ANGLES
	.XXX ± .005		0° - 30'
MATERIAL .051 THK		ALUMINUM 5052-H32	
FINISH		S404 YEL IRIDITE	

FINAD APPROVAL	DATE	2-7-69
MECH. DES.	DATE	
ELECT. DES.	DATE	
CHECKED	DATE	9-1-67
DRAWN	DATE	9-1-67

SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679	MS5143	Ø
SCALE	1 : 1	SHEET	OF

UNLESS OTHERWISE SPECIFIED:

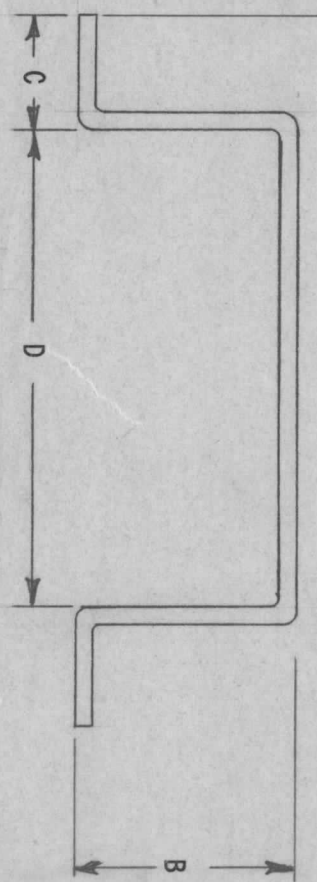
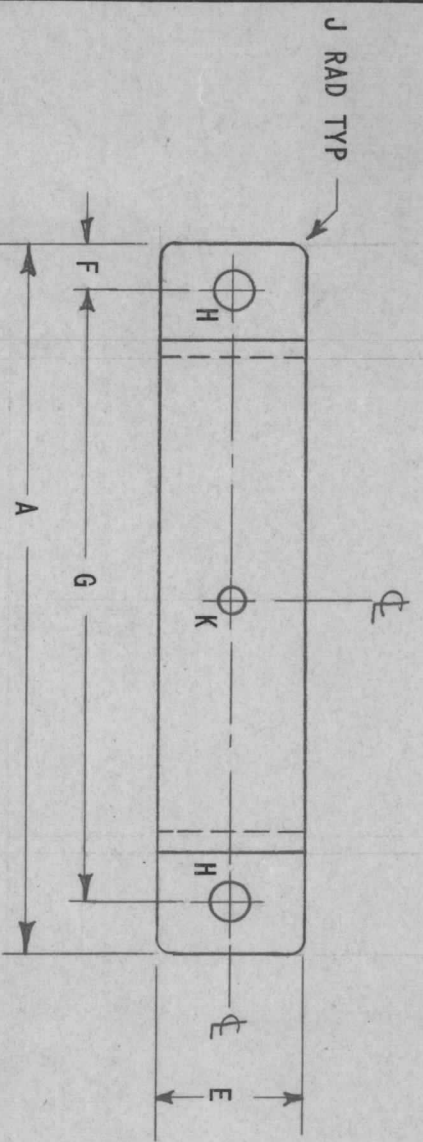
1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
2. ALL ANGULAR BENDS 90 DEGREES
3. REMOVE ALL BURRS AND SHARP EDGES
4. MOUNT INSERTS AFTER FINISHING

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TMC P/N	A	B	C	D	E	F	G	H Dia	J	MATERIAL	FINISH	K DIA
MSS146-1	3-1/2	1-3/16	1/2	2-1/2	3/4	3/16	3-1/8	13/64	NONE	064 ALUM 5052-H32	S404 YEL IRIDITE	1/8
-2	15-3/4	4-1/2	1	13-3/4	1-1/2	3/8	15	5/16	NONE	.125 ALUM 5052-H32	S404 YEL IRIDITE	1/8
-3	5-13/16	2-7/16	5/8	4-9/16	1-15/32	1/4	5-5/16	13/64	NONE	.081 ALUM 5051-H32	S404 YEL IRIDITE	1/8
-4	4-3/4	4-1/4	1/2	3-5/8	5/8	1/4	4-1/4	13/64	NONE	.064 ALUM 5052-H32	S404 YEL IRIDITE	1/8
-5	3-5/16	3/8	25/64	2-17/32	3/8	3/16	2-15/16	.140	NONE	.015 H.H. BRASS	SOLDER DIP	1/8
-6	2	11/16	5/8	3/4	1	1/4	1-1/2	9/64	NONE	.064 ALUM 5052-H32	S404 YEL IRID	1/8
-7	4-9/16	2-13/32	1/2	3-9/16	1	1/4	4-1/16	9/64	NONE	.051 ALUM 5052-H32	S404 YEL IRID	1/8
-8	4-1/8	1-15/16	1/2	3-1/8	3/4	1/4	3-5/8	9/64	NONE	.051 ALUM 5052-H32	S404 YEL IRIDITE	1/8
-9	2-25/32	1-5/16	3/8	2-1/32	1/2	3/16	2-3/8	9/64	1/32	.051 ALUM 5052-H32	S404 YEL IRIDITE	1/8
-10	1-9/16	7/16	3/8	13/16	3/8	3/16	1-3/16	1/8	NONE	.032 ALUM 5052-H32	S404 YEL IRIDITE	1/8

REVISIONS	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
X	EXPERIMENTAL RELEASE	9/5/67	X	C.V.		
X1	MSS146-2 ADDED	9-15-67	X1	C.V.		
X2	MSS146-3 ADDED	11-7-67	X2	C.V.		
X3	MSS146-4 ADDED	12/7/67	X3	C.V.		
X4	MSS146-5 ADDED	4/25/68	X4	C.V.		
X5	MSS146-6 ADDED	6/11/68	X5	C.V.		
Ø	ORIG. RELEASE FOR PROD.	9-6-68	Ø	R.G.		
A	MSS146-7, -8 ADDED	4/2/69	19161	C.V.		
B	MSS146-9 ADDED	3/12/69	19328	C.V.		
C	ADDED K DIA, & MSS146-10	6/2/69	19469	C.V.		
D	MSS146-10 A DIM. WAS 2-3/4	1/26/70	19720	C.V.		



UNLESS OTHERWISE SPECIFIED:

1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
2. ALL ANGULAR BENDS 90 DEGREES
3. REMOVE ALL BURRS AND SHARP EDGES

QTY / UNIT	STANDARD	MODEL USED ON	ASSY NO.
	APPLICATION	CODE	
	A	S401-451	

DECIMALS	FRACTIONS
X ± .05	1/64
.XX ± .01	ANGLES
.XXX ± .005	0° - 30'

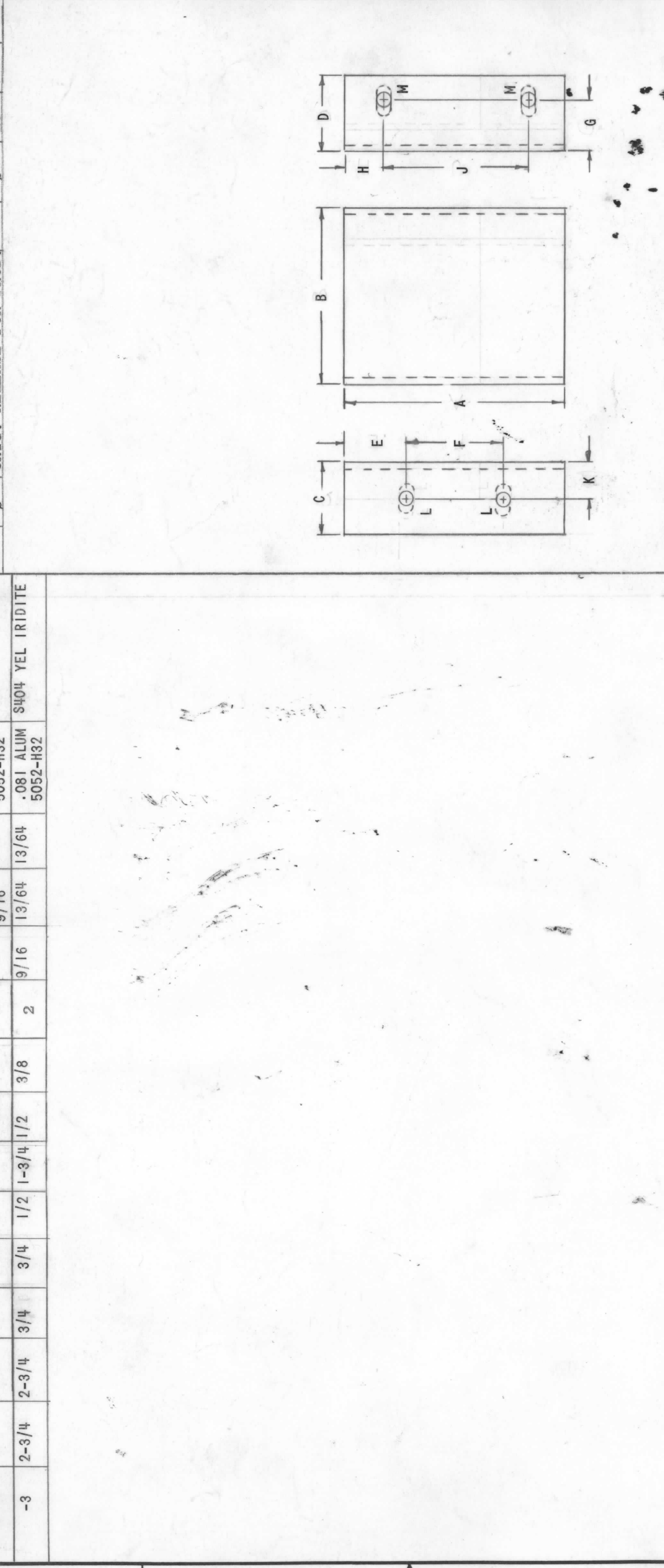
REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
F. BUDETTI			

FINAL APPROVAL	DATE
<i>[Signature]</i>	9/5/68
MECH. DES	DATE
<i>[Signature]</i>	9/5/68
ELECT. DES	DATE
<i>[Signature]</i>	9/5/67
CHECKED	DATE
<i>[Signature]</i>	9/5/68
DRAWN	DATE
<i>[Signature]</i>	9/5/67

LIST OF MATERIAL	DESCRIPTION	SCALE
THE TECHNICAL MATERIEL CORP.		
MAMARONECK, NEW YORK		
SIZE	CODE IDENT. NO.	DWG NO.
B	82679	MS 5146
SCALE	SHEET	OF

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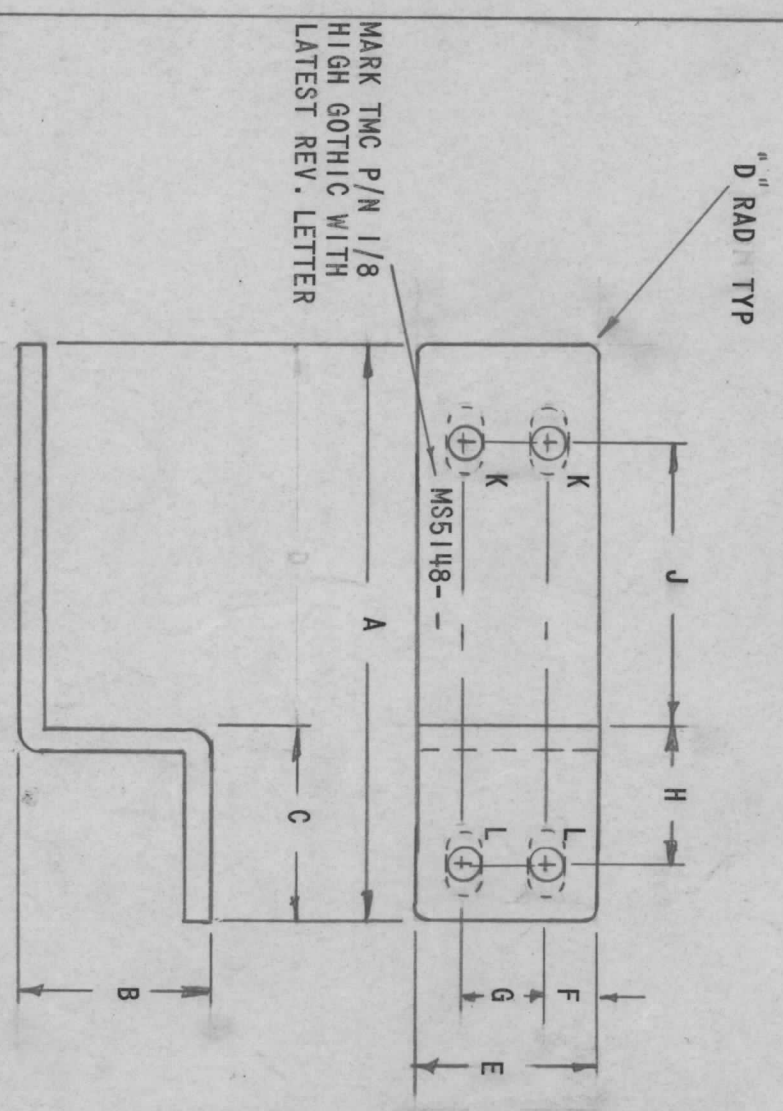
TMC P/N	A	B	C	D	E	F	G	H	J	K	L	M	MATERIAL	FINISH	ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
MS5147-1	2-3/4	3-5/8	1-1/8	3/4	7/8	1	9/16	1/2	1-3/4	5/8	9/32 X 9/16	13/64	.081 ALUM 5052-H32	S404 YEL IRIDITE	X		EXP. RELEASE	9/11/67		H.G.		
-2	3	3-5/8	1-1/8	3/4	1	1	1/2	1/2	2	5/8	9/32 X 9/16	13/64	.081 ALUM 5052-H32	S404 YEL IRIDITE	Ø		ORIG. RELEASE FOR PROD.	2-13-69	Ø	RG		
-3	2-3/4	2-3/4	3/4	3/4	1/2	1-3/4	1/2	3/8	2	9/16	13/64	13/64	.081 ALUM 5052-H32	S404 YEL IRIDITE								



REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
BUDETTI		LIST OF MATERIAL	
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES</p> <p>DECIMALS FRACTIONS .X ± .05 1/64 .XX ± .01 TOLS. .XXX ± .005 ANGLES 0° -30'</p>			
FINAL APPROVAL		DATE	
MECH. DES.		DATE	
ELECT. DES.		DATE	
CHECKED		DATE	
DRAWN		DATE	
MATERIAL			
FINISH			
STANDARD		ASS'Y NO.	
MODEL USED ON		APPLICATION	
CODE		S401-451	
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SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679	M55147	Ø
SCALE	SHEET	OF	

MC P/N	A	B	C	D	E	F	G	H	J	K	L	MATERIAL
MSS148-1	3	1	1	—	15/16	1/4	7/16	11/16	1-1/2	11/64	11/64	1/8 ALUM 5052-H32
-2	4	3-5/8	1-1/2	—	3-1/2	11/16	2-1/8	1-1/8	1-3/4	13/64	13/64	1/8 ALUM 5052-H32
-3	2-1/2	3-1/4	1	—	1-1/2	5/16	13/16	5/8	1-3/16	5/16 x 1/2	1/4 x 1/2	.081 ALUM 5052-H32
-4	1	19/32	1/2	—	6-1/4	1-1/8	4	5/16	—	NT129-0632-4	—	1/8 ALUM 5052-H32
-5	1-11/16	4-3/4	1	—	3-3/4	3/8	3	9/16	5/16	15/64	15/64	.064 ALUM 5052-H32
-6	1	5/8	1/2	—	14-3/4	3/8	14	—	1/4	11/64	—	.064 ALUM 5052-H32
-7	1	5/8	1/2	—	15-3/4	3/8	15	—	1/4	11/64	—	.064 ALUM 5052-H32

REVISIONS	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
X1	(REDRAWN FROM SIZE)-2ADD	9-22-67		H.G.		
Ø	ORIG. RELEASE FOR PROD	9-22-67		RG.		
A	ADDED, DASH-345	5-21-69	10442	GE		
B	MSS148-6, -7 ADDED	10/1/70	20149	CV		
C	MSS148-5, H WAS 7/8, C WAS 7/8	7/19/72	20805	EK		
D	MSS148-5, A WAS 1-11/16, J WAS 316	2/3/78	21623	DEB		



QTY / UNIT	STANDARD	MODEL USED ON	ASS'Y NO.
	APPLICATION		
	CODE		S401-451

DECIMALS	FRACTIONS
.X ± .05	1/64
.XX ± .01	ANGLES
.XXX ± .005	90°-30'

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
F. BUDETTI		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	

DATE	DATE	DATE	DATE
9/25/62	9-21-67	5-22-67	
MECH. DES.	CHECKED	DRAWN	SCALE
		H.G.	B
SIZE	CODE IDENT. NO.	DWG NO.	SHEET
B	82679	MS 5148	OF
ISSUE			
D			

UNLESS OTHERWISE SPECIFIED:

1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
2. ALL ANGULAR BENDS 90 DEGREES
3. REMOVE ALL BURRS AND SHARP EDGES

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MACHINING:

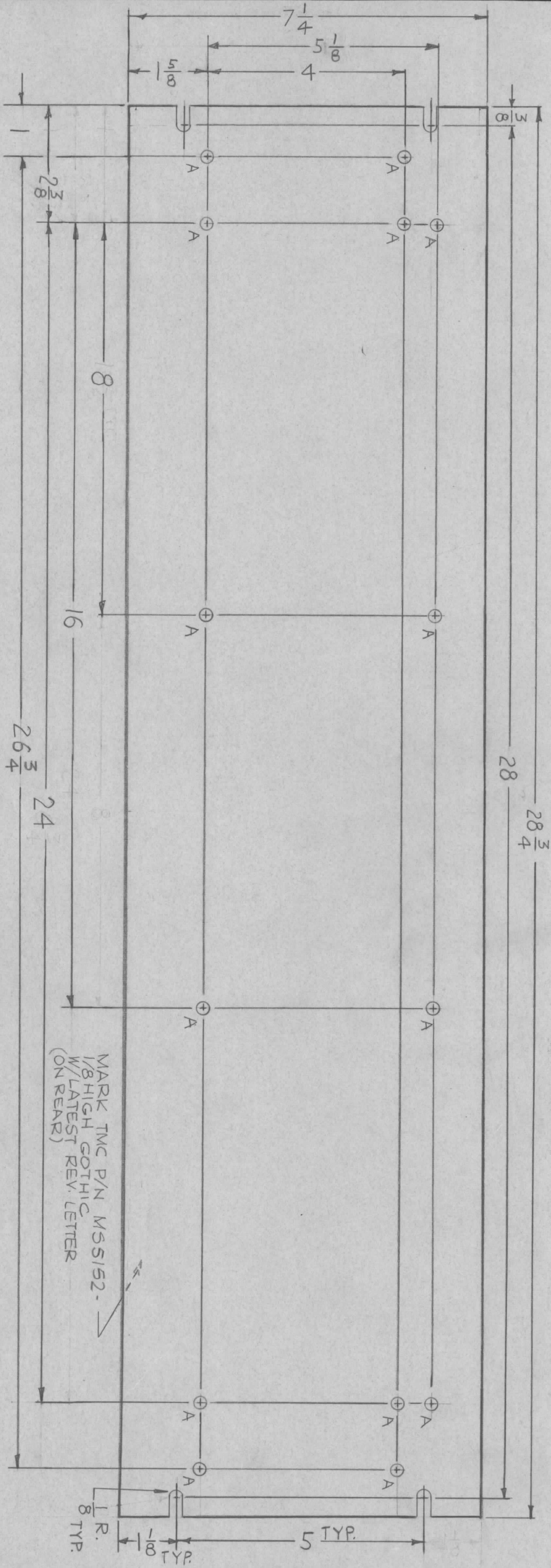
1. MILL ALL EDGES.
2. HOLES MUST BE DRILLED, UNLESS OTHERWISE SPECIFIED.
3. LATERAL BOW OF PANEL MUST BE KEPT TO .031 TOLERANCE.
4. PANEL MUST BE FREE OF ALL MACHINING MARKS, GOUGES AND SCRATCHES. IF NECESSARY, SAND FRONT OF PANEL WITH NO. 120 GRIT SANDPAPER.

FINISH NOTES:

1. S404 - IRIDITE 14-2 AL-COAT
2. S114 - ZINC CHROMATE PRIMER
3. S115 - SMOOTH GRAY ENAMEL

OR
PRIME AND PAINT PER CUSTOMER'S SPECIFICATIONS.

REVISIONS		DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
ZONE	LTR						
	X	EXP. RELEASE	9-5-67		HG		
	Ø	ORIG. RELEASE FOR PROD.			R.G.		



FRONT VIEW SHOWN

HOLES REQ'D.
A - 15/64 DIA. - 14

QTY / UNIT	1	GPT-40KEL	MODEL USED ON	ASS'Y NO.
		APPLICATION		
		CODE	S401-451	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS: X ± .05, .XX ± .01, .XXX ± .005

FRACTIONS: 1/64, ANGLES: 0° .30'

MATERIAL: 3/16 THK ALUM 2024-T3

FINISH: SEE NOTES

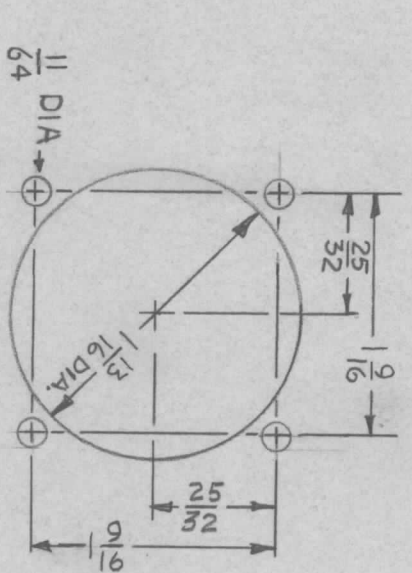
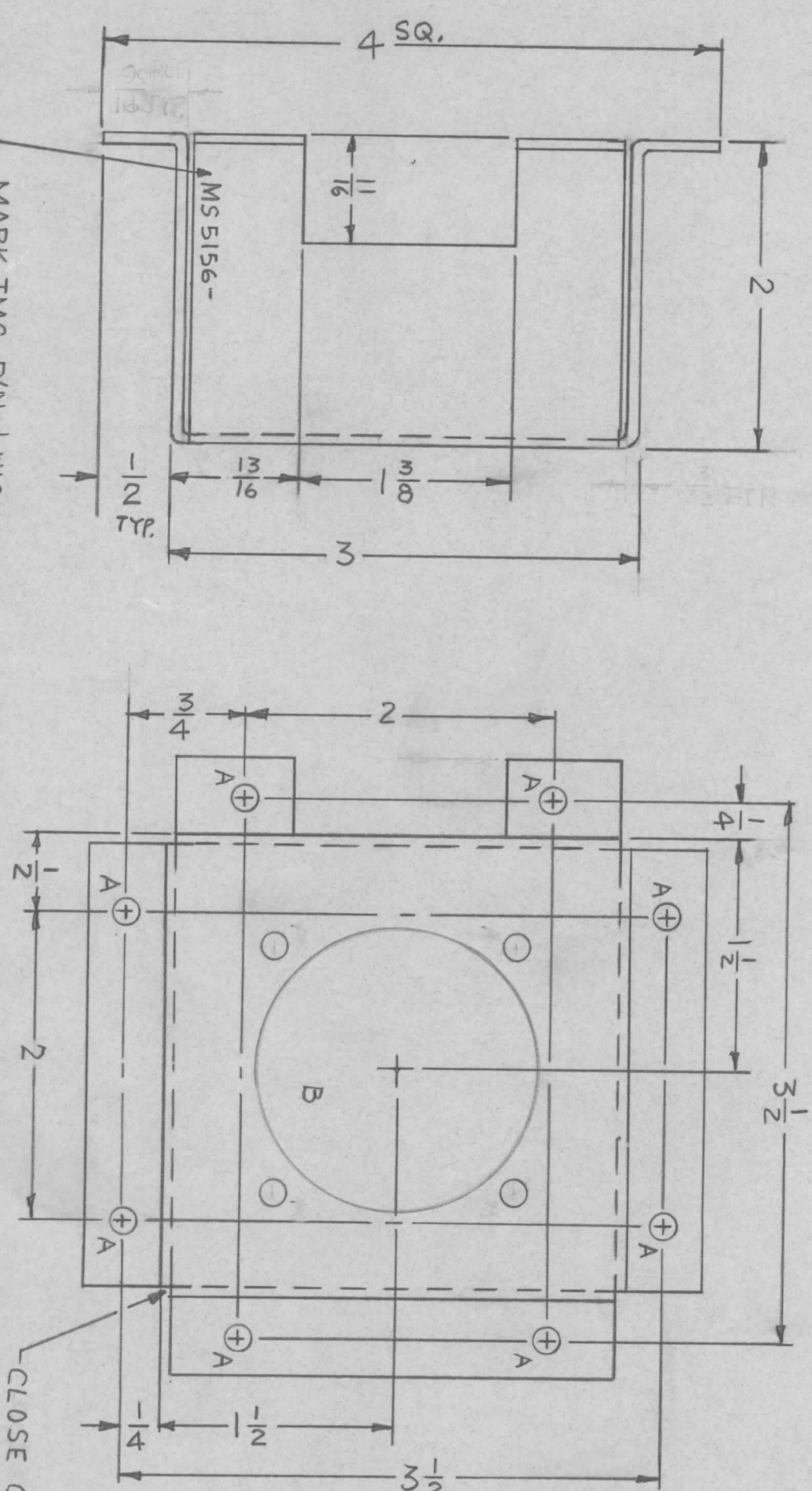
REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
F. BUDETTI		THE TECHNICAL MATERIEL CORP.	
MECH. DES.	DATE	MAMARONECK, NEW YORK	
ELECT. DES.	DATE		
CHECKED	DATE		
DRAWN	DATE		

SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679	MSS152	Ø
SCALE	1:2	SHEET	OF

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REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	EM.N.NO	DRAFT	CHKD
	X	EXP. RELEASE	11-2-67		MS	MS
	Ø	ORIGINAL RELEASE FOR PRODUCTION	4-1-68		MS	MS



HOLE	DESCRIPTION	REQ
A	11/64 DIA	8
B	SEE DETAIL	1

REF. LD2283

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
F. BUDETTI		BRACKET, MTG CONN	

FINAL APPROVAL	MECH. DES.	ELECT. DES.	CHECKED	DRAWN	DATE	DATE	DATE	DATE
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	4-1-68	4-1-68	11-2-67	

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

QTY / UNIT	MODEL USED ON	ASS'Y NO.
1	BCT-10KA	
APPLICATION		
	CODE	S401-451

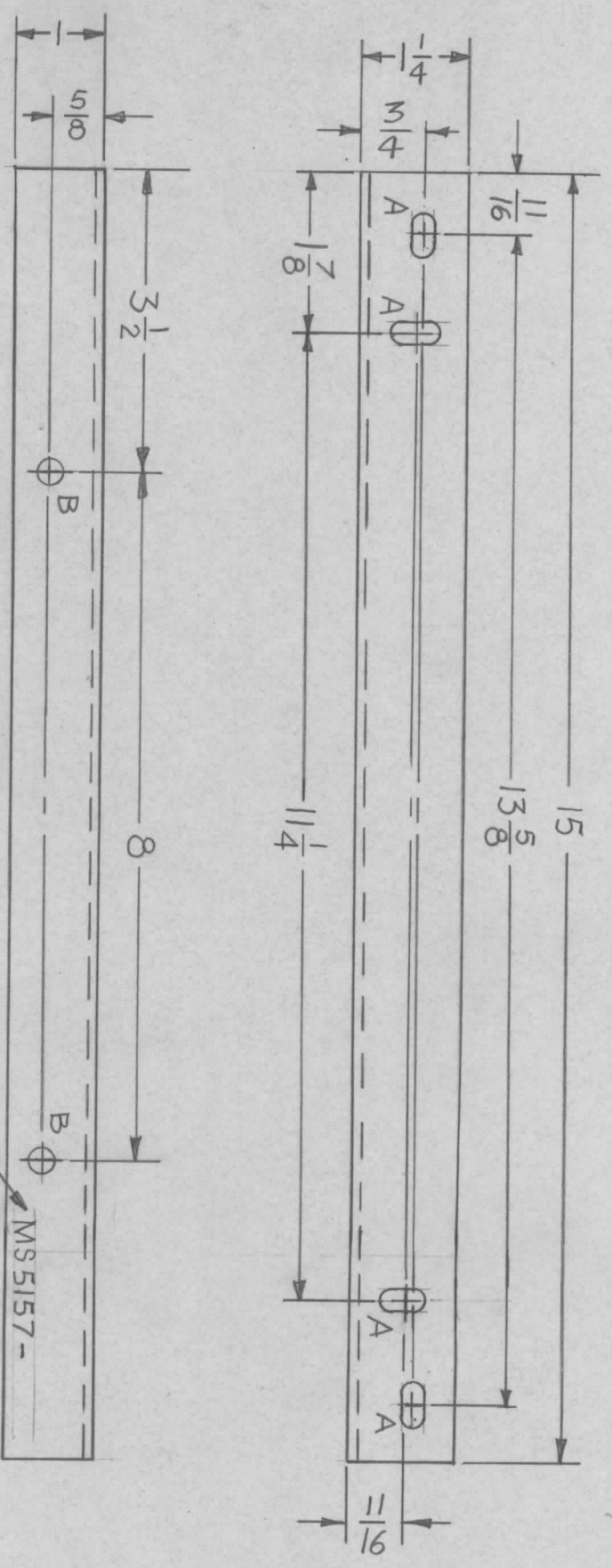
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS	FRACTIONS
X ± .05	1/64
.XX ± .01	ANGLES
.XXX ± .005	0° - 30'

MATERIAL. 064 ALUMINIUM
5052 - H32
FINISH S404 YEL
IRIDITE

- UNLESS OTHERWISE SPECIFIED:
1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
 2. ALL ANGULAR BENDS 90 DEGREES
 3. REMOVE ALL BURRS AND SHARP EDGES

REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD
X		EXP. RELEASE	11.2.67		REV.	
Ø		ORIGINAL RELEASE FOR PRODUCTION	9/1/65		H.S.	



HOLE	DESCRIPTION	REQ
A	1/4 X 1/2 SLOT	4
B	9/32 DIA.	2

FINISH NOTES:
 1. S404 - IRIDITE 14-2 AL-COAT
 2. S114 - ZINC CHROMATE PRIMER
 3. S115 - SMOOTH GRAY ENAMEL
 OR
 PRIME AND PAINT PER CUSTOMER'S SPECIFICATIONS.

2	GPT-10KRL		
2	BCT-10KA		
QTY / UNIT		MODEL USED ON	ASS'Y NO.
APPLICATION		CODE	S401-451
		CODE	A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS: .X ± .05
 .XX ± .01
 .XXX ± .005

FRACTIONS: 1/64
 ANGLES: 0° - 30'

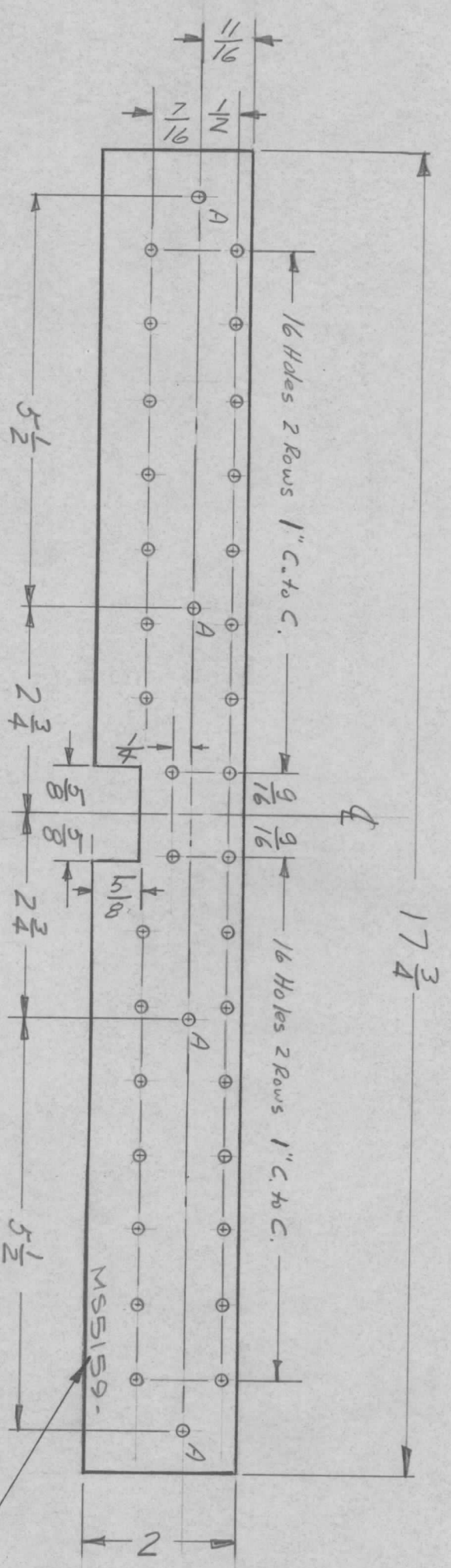
MATERIAL 1/8 THICK ALUMINUM 5052-H32

FINISH SEE NOTE

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
F. BUDETTI		LIST OF MATERIAL	SK 3290 - MS1015
FINAL APPROVAL	DATE	THE TECHNICAL MATERIEL CORP.	
MECH. DES.	DATE	MAMARONECK, NEW YORK	
ELECT. DES.	DATE	SUPPORT, MTG, RESISTOR	
CHECKED	DATE	SIZE	CODE IDENT. NO.
DRAWN	DATE	B	82679
		SCALE	DWG NO.
		1:2	MS 5157
		SHEET	ISSUE
		OF	Ø

SYMBOL		DESCRIPTION		DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X		EXPERIMENTAL RELEASE		1/12/68	-	by		DD
X-1		ADDED REF LD 2294		1/24/	72	J.H.		MC
Ø		ORIGINAL RELEASE FOR PRODUCTION		4-1-68	Ø	K.S.		HO

MS5159



MARK TMC P/N 1/8 HIGH
GOTHIC W/LATEST REV.
LETTER.

HOLE	DESCRIPTION	REQ.
A	9/16 DIA.	4
UNMARKED	#30 DRILL	32

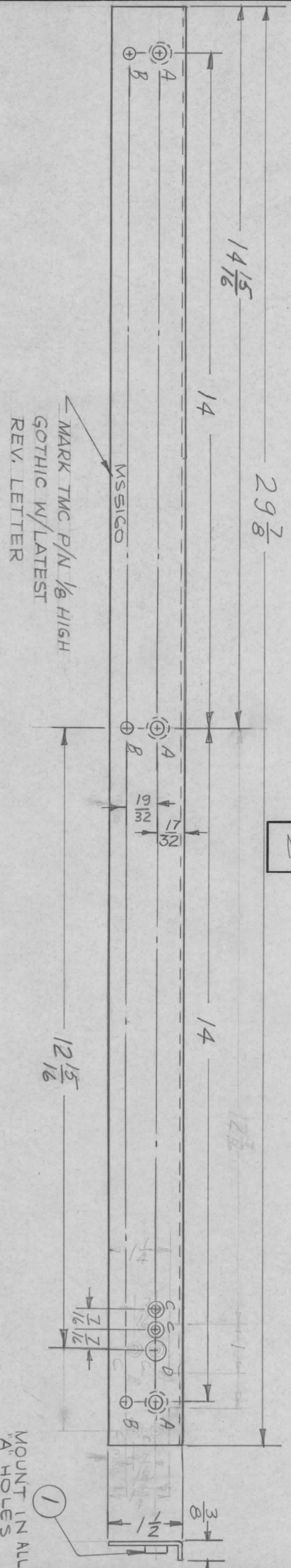
FINISH NOTES:
 1. S404 - IRIDITE 14-2 AL-COAT.
 2. S114 - ZINC CHROMATE PRIMER } FRONT AND
 3. S115 - SMOOTH GRAY ENAMEL } EDGES ONLY
 OR
 PRIME AND PAINT PER CUSTOMER'S SPECIFICATIONS.

Q'TY./UNIT	1	MODEL USED ON	BCT10KA	ASSY. NO.	
SCALE		CODE	A	ASSEMBLY NO.	S401-451

REF. LD 2294	REC'D. ITEM	PART NUMBER	DESCRIPTION	SYMBOL
	F. BUDETTI		LIST OF MATERIAL SK 3290 - MS1009	
	MATERIAL	.081 ALUMINUM	THE TECHNICAL MATERIEL CORP.	
		5052 H/32	MAMARONECK, NEW YORK	
	FINISH	SEE NOTES	TITLE	
			PLATE MTG. FUSE	
			DRAWN	DATE
			4-1-68	DATE
			CHECKED	DATE
			4-1-68	DATE
			ELECT. DES.	DATE
			4-1-68	DATE
			MECH. DES.	DATE
			4-1-68	DATE
			FINAL APPROVAL	DATE
			MS5159	4-1-68
			REV. LTR.	

REVISIONS						
SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X1	EXP. RELEASE	1/9/68	-	Exp	MS	MS
Ø	ORIGINAL RELEASE FOR PRODUCTION	4/1/68	Ø	MS	MS	MS

MS5160 Ø



HOLE	DESCRIPTION	REQ.
A	.221 - 224 DIA.	3
B	13/64 DIA.	3
C	.144 DIA. SINK 82° TO .284	2
D	3/8 DIA.	1

UNLESS OTHERWISE SPECIFIED:

1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
2. ALL ANGULAR BENDS 90 DEGREES
3. REMOVE ALL BURRS AND SHARP EDGES
4. MOUNT INSERTS AFTER FINISHING

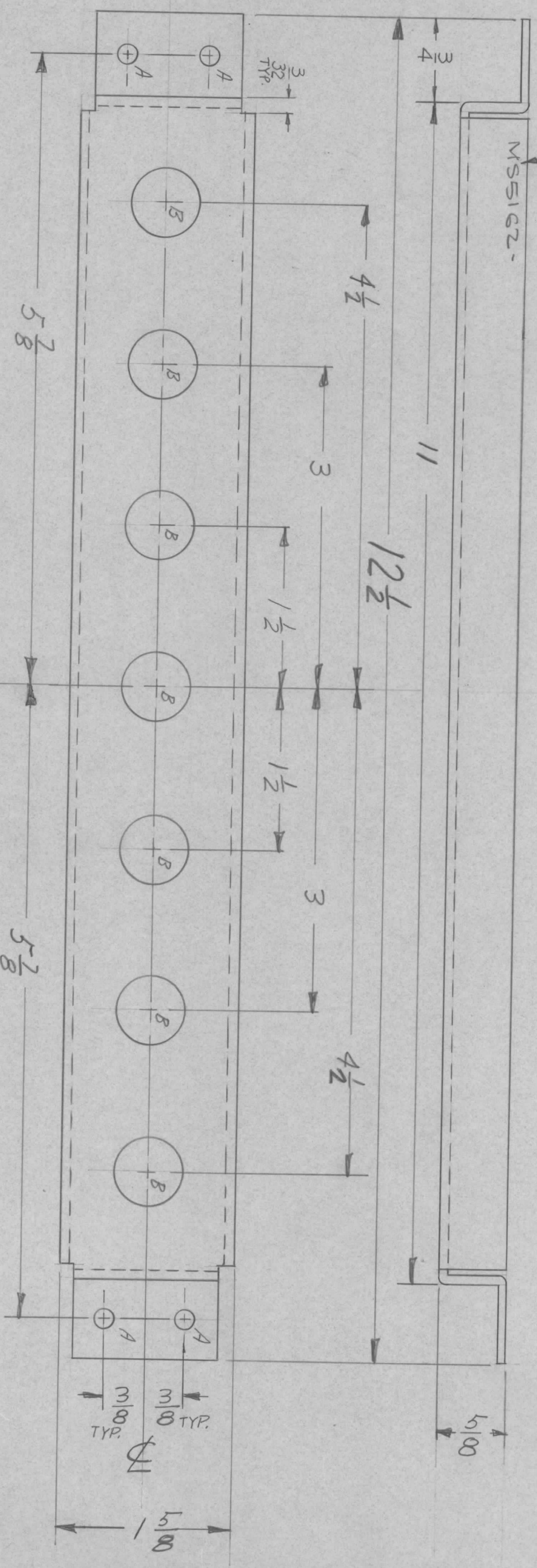
NOTES

QTY./UNIT: 1
 MODEL USED ON: BCT10KA
 ASS'Y. NO.: S401-451
 CODE: A
 SCALE: 1

3	1	NT129-Ø32-4	NUT, PLAIN SPLINE	A
REQ'D. ITEM PART NUMBER DESCRIPTION SYMBOL				
MATERIAL: .081 ALUMINUM				
FINISH: S404 YELLOW IRIDITE				
TITLE: BRACKET, SHIM				
LIST OF MATERIAL MS3290 - MS1006				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
DRAWN: [Signature]		DATE: 3/26/68	FINAL APPROVAL: [Signature]	
CHECKED: [Signature]		DATE: 4-1-68	DATE: 4-3-68	
ELECT. DES.:		DATE:	MS5160	
MECH. DES.:		DATE: 4-2-68	REV. LTR. Ø	

REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD
X		EXP. RELEASE	1/1/68	#	[Signature]	[Signature]
Ø		ORIGINAL RELEASE FOR PRODUCTION	4/1/68	Ø	[Signature]	[Signature]

MARK TMC P/N 1/8 HIGH GOTHIC WITH LATEST REV. LETTER.



HOLE	DESCRIPTION	REQ.
A	1/4 DIA.	4
B	5/8 DIA.	7

UNLESS OTHERWISE SPECIFIED:

1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
2. ALL ANGULAR BENDS 90 DEGREES
3. REMOVE ALL BURRS AND SHARP EDGES

QTY / UNIT: 1
 MODEL USED ON: BCT-10 KA
 ASS'Y NO.:
 APPLICATION: S401-451
 CODE: A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

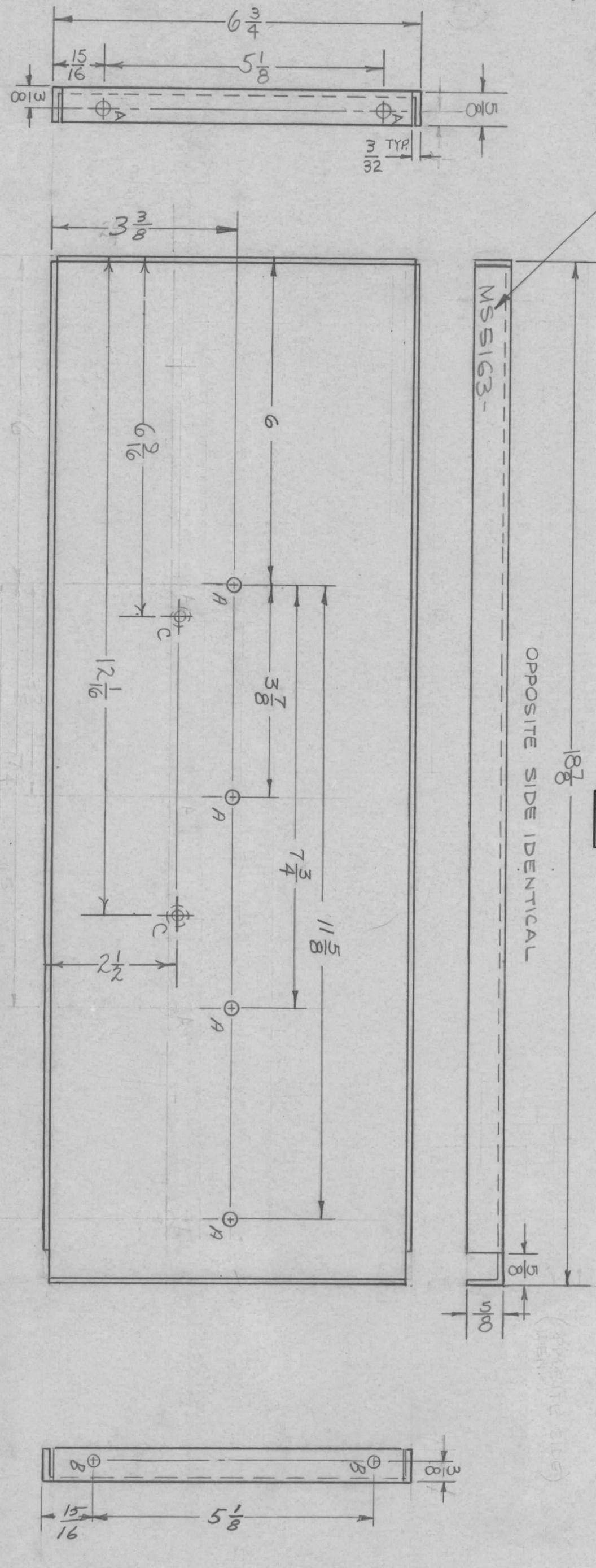
DECIMALS: X ± .05, .XX ± .01, .XXX ± .005
 FRACTIONS: 1/64
 TOLS. ANGLES: 0° - 30°

MATERIAL: .081 ALUMINUM
 FINISH: 5052 H32
 S404
 YELLOW IRIDITE

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
F. BUDETTI			
LIST OF MATERIAL			
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
BRACKET, MTG. FUSE			
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679	MSS1G2	Ø
SCALE	SHEET		OF

- UNLESS OTHERWISE SPECIFIED:
1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
 2. ALL ANGULAR BENDS 90 DEGREES
 3. REMOVE ALL BURRS AND SHARP EDGES

MARK TMC P/N 1/8 HIGH
 GOTIC W/LATEST REV.
 LETTER.



MS 5163

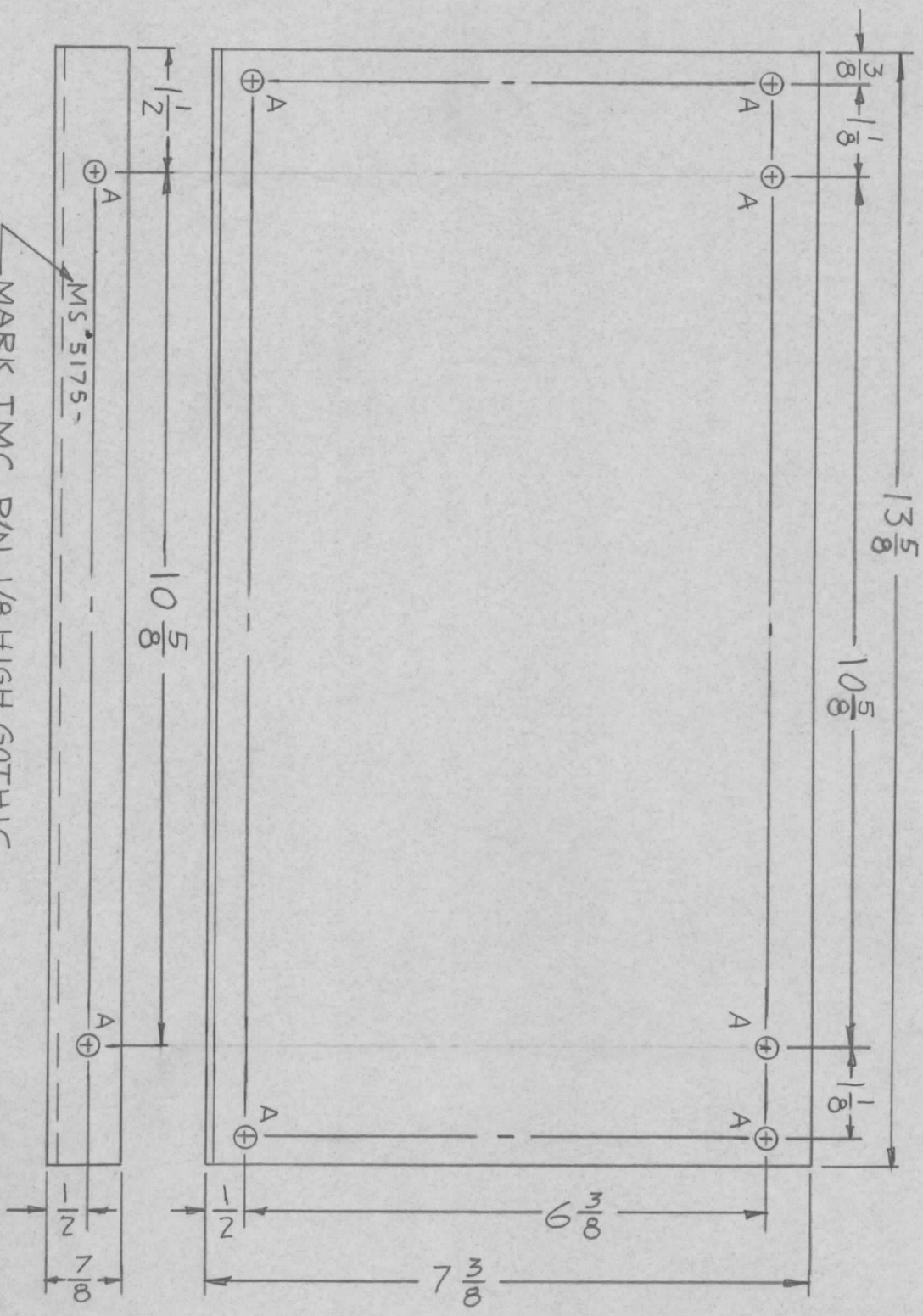
REVISIONS		DATE	E.M.N. NO.	DRAFT	CHKD	APPD
SYM	DESCRIPTION					
X	EXP. RELEASE	1/16/68	#	ENJ		205
Ø	ORIGINAL RELEASE FOR PRODUCTION	4/1/68	Ø	KB.		205

HOLE	DESCRIPTION	REQ.
A	15/64 DIA.	6
B	13/64 DIA.	2
C	.144 DIA. C.S.I.U.K 82° TO .284	2

QTY./UNIT	1	BCT10KA	MODEL USED ON	ASSY. NO.
SCALE	1:2	A	S401-451	

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
	BUDETTI F.		LIST OF MATERIAL MS3290-MS2002	
MATERIAL	.081 ALUMINUM		THE TECHNICAL MATERIEL CORP.	
FINISH	5052-H 32		MAMARONECK, NEW YORK	
	S404 YELLOW IRIDITE		PLATE, LEFT, (LFE DRAWER)	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		DRAWN	DATE	FINAL APPROVAL
DECIMALS .X ± .05		A. Petracca	6-25-67	MS 5163
FRACTIONS ± 1/64		CHECKED	DATE	DATE
TOLERANCES ± .005			4-1-68	9-3-68
ANGLES ± 0° 30'		ELECT. DES.	DATE	DATE
		MECH. DES.	4-2-68	

HOLE	DESCRIPTION	REQ'D.
A	15/64 DIA.	8



MARK TMC P/N 1/8 HIGH GOTHIC
W/LATEST REV. LETTER.

UNLESS OTHERWISE SPECIFIED:

1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
2. ALL ANGULAR BENDS 90 DEGREES
3. REMOVE ALL BURRS AND SHARP EDGES

REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD
	X	EXP. RELEASE	9-29-67		H.G.	
	Ø	ORIGINAL RELEASE FOR PRODUCTION	4/1/68		H.G.	

QTY / UNIT	1	MODEL USED ON	BCT-10KA	ASS'Y NO.	
APPLICATION					
CODE	A	CODE	S401-451		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	DECIMALS	FRACTIONS
.X ± .05	1/64	
.XX ± .01	ANGLES	0° .30'
.XXX ± .005		

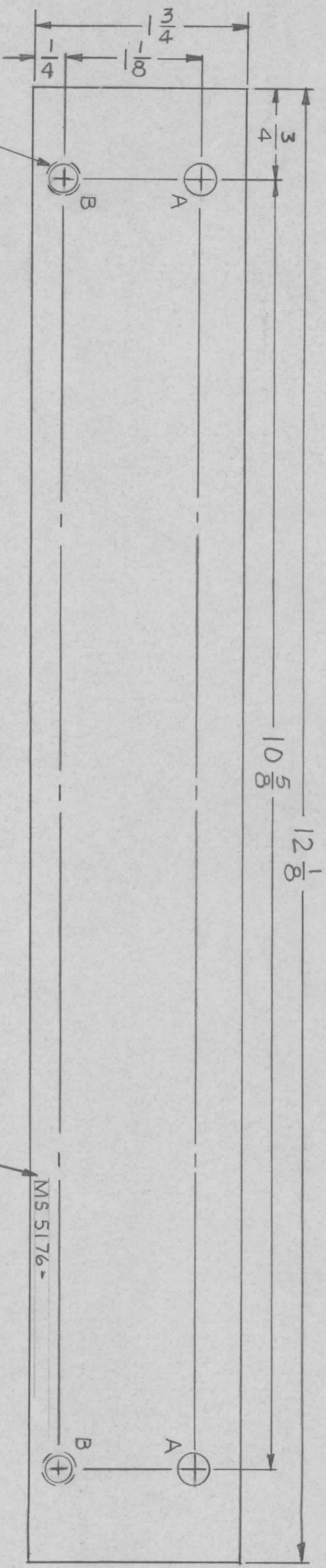
FINAL APPROVAL	DATE
Mech. Des.	4/1/68
ELECT. DES.	DATE
CHECKED	DATE
DATE	4-2-68
DRAWN	DATE
H.G.	9-29-67

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
F. BUDETTI		LIST OF MATERIAL	
THE TECHNICAL MATERIEL CORP.			
MAMARONECK, NEW YORK			
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679	MS 5175	Ø
SCALE	1:2	SHEET	OF

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HOLE	DESCRIPTION	REQ
A	1/4 DIA.	2
B	.221-.224 DIA	2

ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
	X	EXP. RELEASE	11-14-67				
	Ø	ORIGINAL RELEASE FOR PRODUCTION	4/1/68	Ø			



① MOUNT IN ALL "B" HOLES

MARK TMC P/N 1/8 HIGH GOTHIC W/LATEST REV. LETTER.

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
2	1	NT129-832-6 NUT, PLAIN SPLINE	B

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

PLATE MTG STRIP

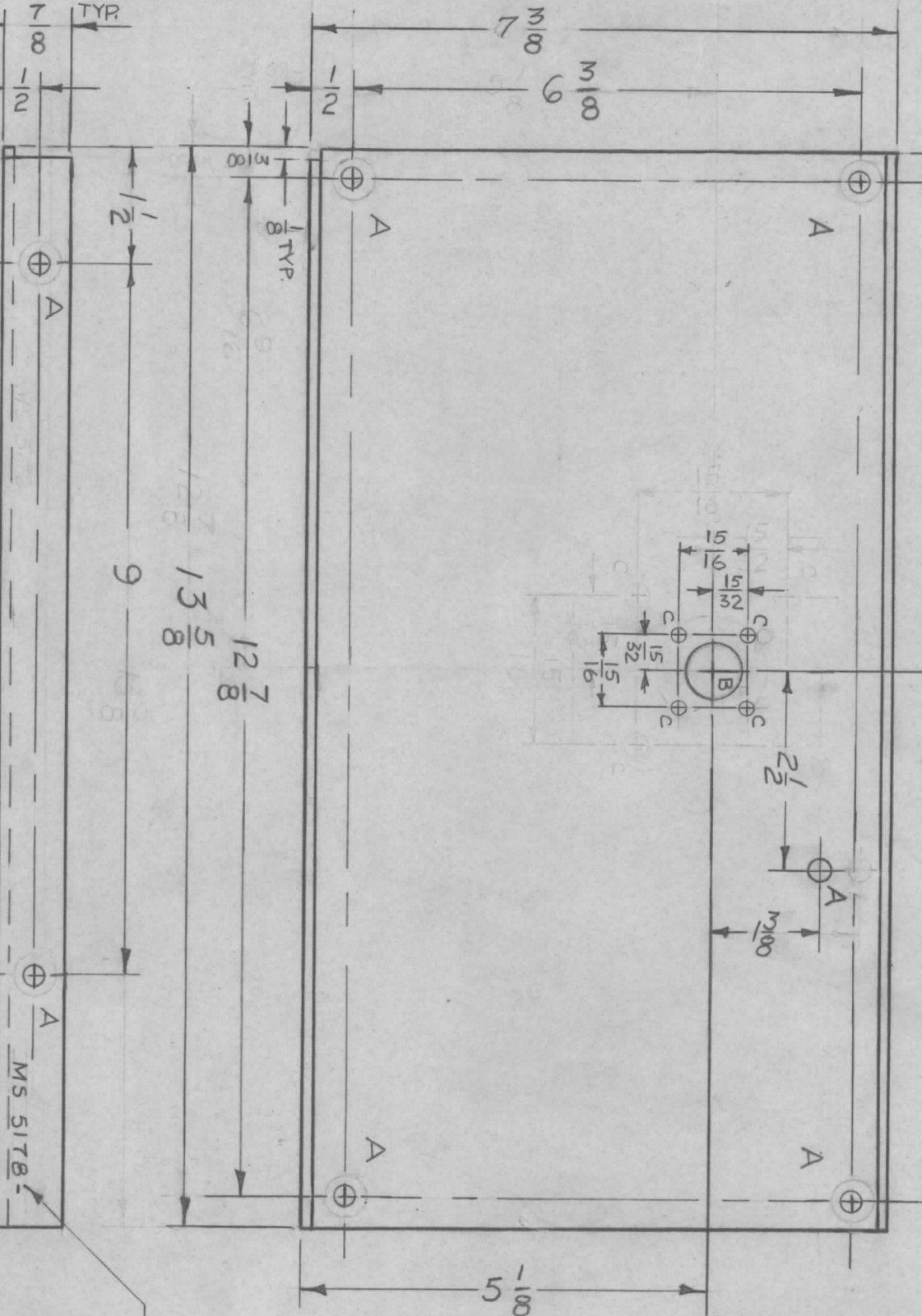
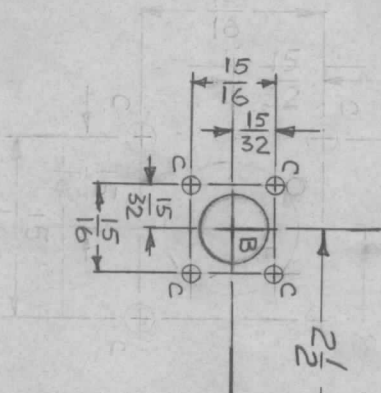
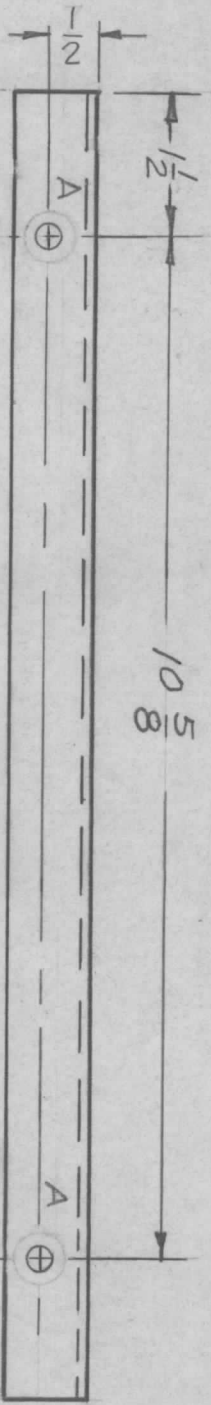
QTY / UNIT	1	MODEL USED ON	BCT-10KA	ASS'Y NO.	
APPLICATION		CODE	A	5401-451	

DECIMALS	X ± .05	FRACTIONS	1/64
.XX ± .01	TOLS.	ANGLES	0° .30'
.XXX ± .005			
MATERIAL 1/8 ALUMINUM			
5052-H32			
FINISH S404 YEL IRIDITE			

FINAL APPROVAL	DATE
MECH. DES.	DATE
ELECT. DES.	DATE
CHECKED	DATE
DRAWN	DATE

SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679	MS 5176	Ø
SCALE	1:1	SHEET	OF

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REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD
X		EXP. RELEASE	10-2-67		ENJ	ENJ
X1		COMPLETELY REV.	11-1-67		ENJ	ENJ
X2		"A" HOLE ADDED	1-5-67		ENJ	ENJ
		ORIGINAL RELEASE FOR PRODUCTION	4/1/68		ENJ	ENJ

HOLE	DESCRIPTION	REQ
A	1/4 D/A.	9
B	1/16 D/A.	1
C	9/64 D/A.	4

MARK TMC PART NUMBER
1/8 HIGH GOTHIC WITH
LATEST REVISION LETTER

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
	F. BUDETTI	LIST OF MATERIAL	

FINAL APPROVAL	MECH. DES.	DATE	DATE
<i>[Signature]</i>	<i>[Signature]</i>	4-3-68	4-2-68
		4-1-68	10-2-67

THE TECHNICAL MATERIEL CORP.	MAMARONECK, NEW YORK
PLATE, BOTTOM	
SIZE B	CODE IDENT. NO. 82679
SCALE 1/2	DWG NO. MS 5178
	SHEET OF

QTY / UNIT	MODEL USED ON	ASS'Y NO.
1	BCT-10KA	
	APPLICATION	
	CODE A	S401-451

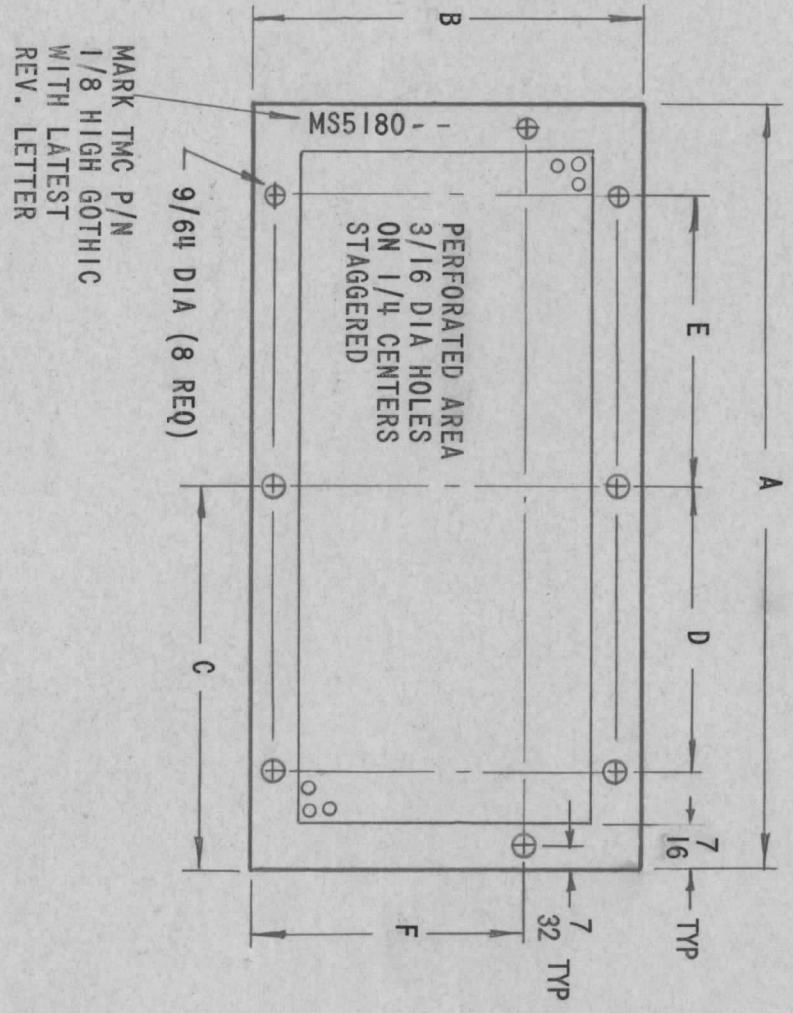
NOTICE TO PERSONS RECEIVING THIS DRAWING
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UNLESS OTHERWISE SPECIFIED:

1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
2. ALL ANGULAR BENDS 90 DEGREES
3. REMOVE ALL BURRS AND SHARP EDGES

TMC P/N	A	B	C	D	E	F
MS5180-1	11-1/2	2-15/16	5-3/4	4-1/2	4-1/2	1-15/16
-2	11-1/2	3-5/8	5-3/4	4-1/2	4-1/2	1-15/16

REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD
X		EXPERIMENTAL RELEASE ORIGINAL RELEASE FOR PRODUCTION	9/12/67			
			5/28/69			



REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
F. BUDETTI			

FINAL APPROVAL	DATE	5/24/69
MECH. DES.	DATE	5-25-69
ELECT. DES.	DATE	
CHECKED	DATE	10/10/69
DRAWN	DATE	9-10-69

LIST OF MATERIAL			
THE TECHNICAL MATERIEL CORP.			
MAMARONECK, NEW YORK			
COVER, FILTER, BOX			
SIZE	CODE IDENT. NO.	DWG. NO.	ISSUE
B	82679	MS 5180	
SCALE	SHEET		OF

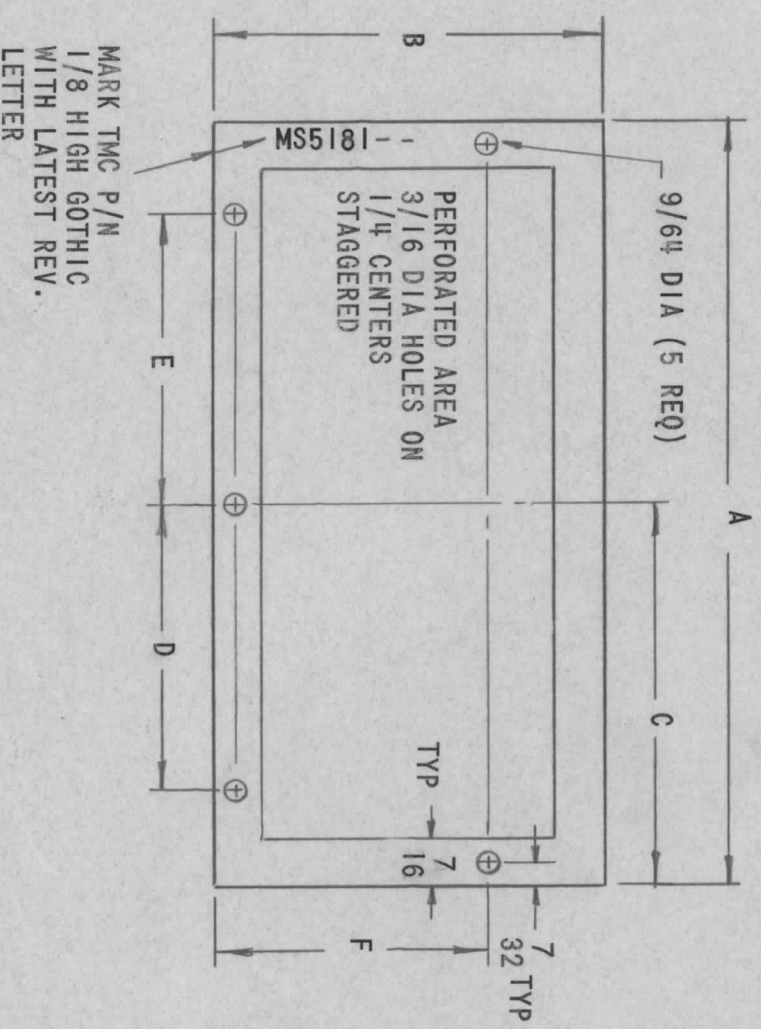
QTY / UNIT	2 EA	TFP-2.5K	MODEL USED ON	ASS'Y NO.
APPLICATION				
CODE	A	S401-451		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	FRACTIONS	1/64
DECIMALS	TOLS.	ANGLES
.X ± .05		0° - 30'
.XX ± .01		
.XXX ± .005		

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TMC P/N	A	B	C	D	E	F
MS5181-1	11-3/8	2-13/32	5-11/16	4-1/2	4-1/2	1-9/16
-2	11-3/8	3-5/32	6-1/16	5-1/4	4-1/2	2-5/16
-3	11-3/8	3-3/32	5-11/16	4-1/2	4-1/2	1-15/16
-4	11-3/8	2-13/32	6-1/16	5-1/4	4-1/2	1-15/16

REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD
X		EXPERIMENTAL RELEASE	9/12/67			
Ø		ORIGINAL RELEASE FOR PRODUCTION	9/22/69			



REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
		F. BUDETTI	LIST OF MATERIAL	

QTY / UNIT	2 EA	TFP-2.5K	MODEL USED ON	ASSY NO.
APPLICATION				
CODE	A	S401-451		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	FRACTIONS 1/64 ANGLES 0° 30'	TOLS.
MATERIAL	.051 ALUM		
FINISH	S404 YEL IRIDITE		

FINAL APPROVAL	MECH. DES.	DATE
<i>[Signature]</i>		5/22/69
ELECT. DES.	CHECKED	DATE
<i>[Signature]</i>		5-22-69
DRAWN		DATE
<i>[Signature]</i>		9-11-67

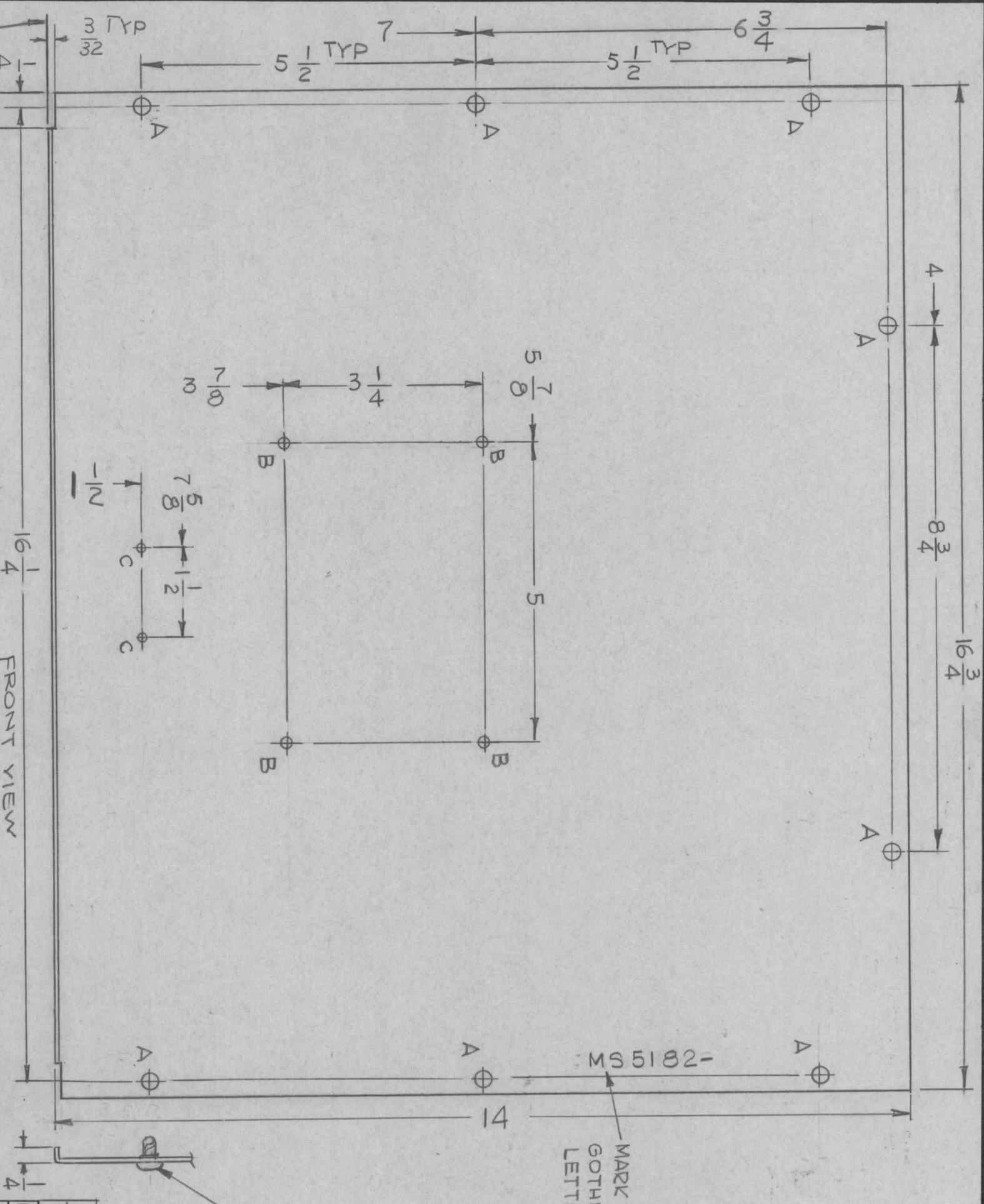
THE TECHNICAL MATERIEL CORP.			
MAMARONECK, NEW YORK			
COVER, FILTER, BOX			
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679	MS 5181	Ø
SCALE		SHEET	OF

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REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO	DRAFT	CHKD
	X2	REDRAWN	9-14-67		H.G.	SG
	Ø	ORIG. RELEASE	12-4-68			SG

HOLES	DESCRIPTION	REQ.
A	1/4 DIA	8
B	9/64 DIA	4
C	1/8 DIA	2

MARK TMC P/NO 1/8 HIGH
GOTHIC W/LATEST REV,
LETTER.



1 2
SUPPLIED & MOUNTED
BY TMC. AFTER FINISHING

FRONT VIEW

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
8	FS109-3	RING, RETAINING	A
8	FS110-1	STUD, TURNLOCK	A

QTY / UNIT	MODEL USED ON	ASS'Y NO.
1	RTMU-4	
1	RTPH-3	

DECIMALS	FRACTIONS
X ± .05	1/64
XX ± .01	ANGLES
.XXX ± .005	0° - 30'

FINAL APPROVAL	MECH. DES.	DATE
<i>[Signature]</i>		12/3/68
		9-14-67
		9-14-67
		9-14-67

LIST OF MATERIAL	SK 3253-001-7
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
COVER, TOP & BOTTOM	
SIZE	CODE IDENT. NO.
B	82679
SCALE	DWG NO.
1:2	MS 5182

- UNLESS OTHERWISE SPECIFIED:
- USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
 - ALL ANGULAR BENDS 90 DEGREES
 - REMOVE ALL BURRS AND SHARP EDGES

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

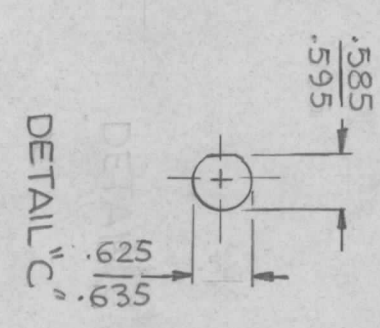
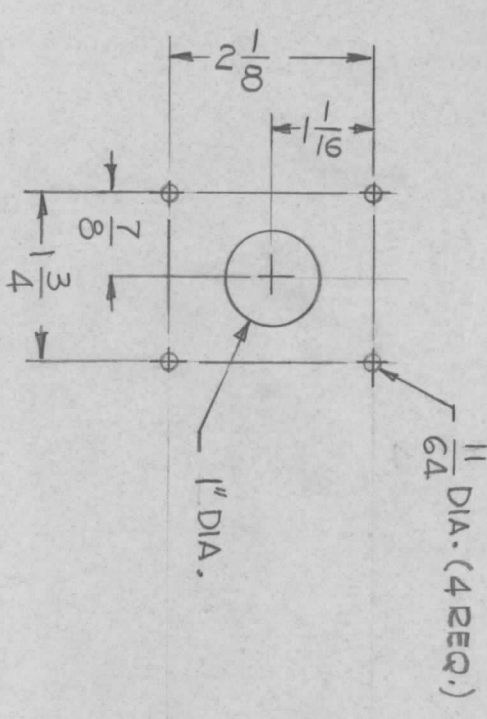
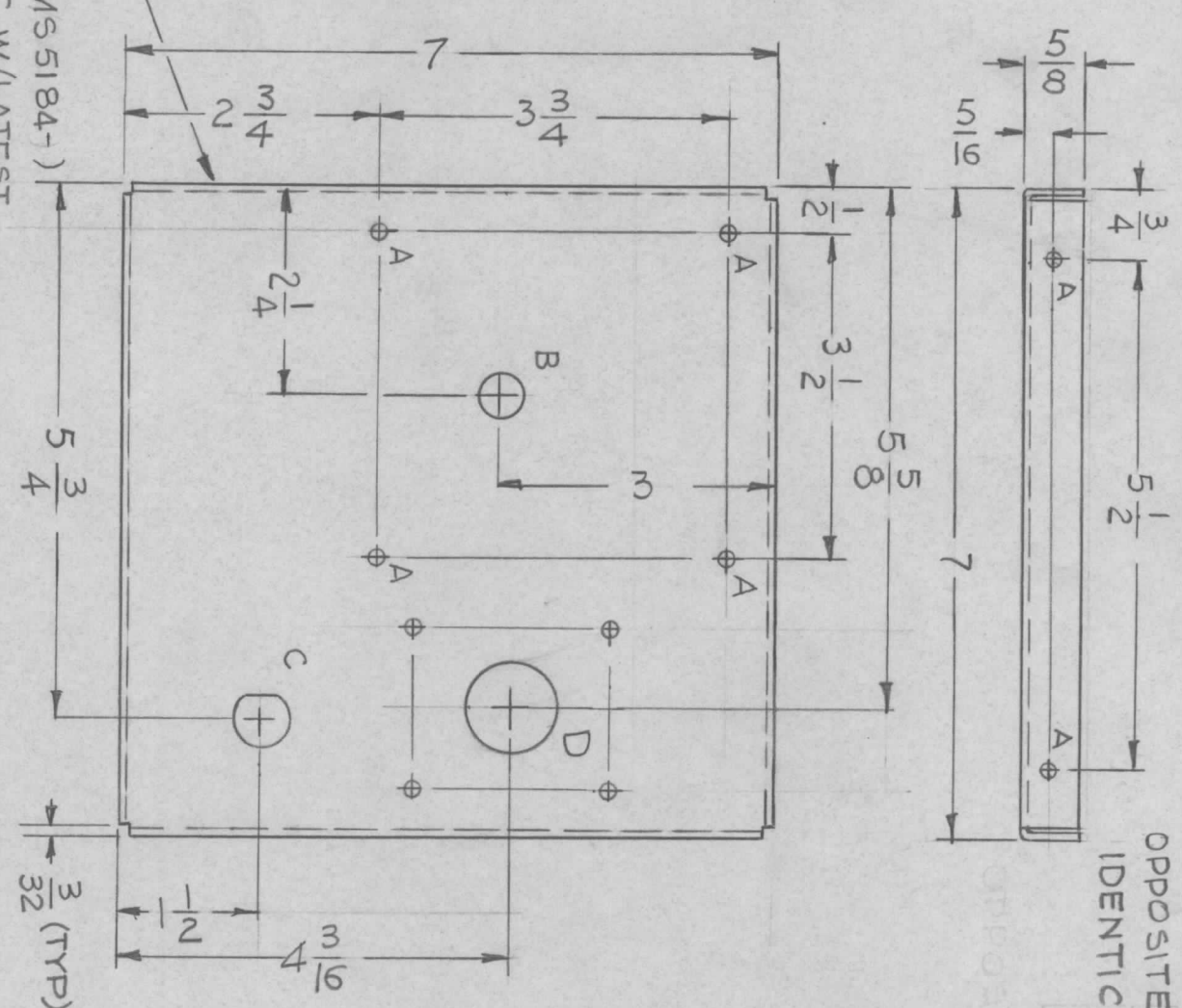
FINISH
S404 YEL IRIDITE

SIZE
B
82679

OPPOSITE SIDE IDENTICAL

HOLE	DESCRIPTION	REQ
A	11/64 DIA	8
B	1/2 DIA	1
C	SEE DETAIL	1
D	SEE DETAIL	1

ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
X		EXP. RELEASE	10-5-67		G.D.L.		
		ORIGINAL RELEASE FOR PRODUCTION	4/1/68				



MARK TMC P/NO (MS 5184-1)
 1/8 HIGH GOTHIC W/LATEST REVISION LETTER

UNLESS OTHERWISE SPECIFIED:

1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
2. ALL ANGULAR BENDS 90 DEGREES
3. REMOVE ALL BURRS AND SHARP EDGES
4. MOUNT INSERTS AFTER FINISHING

QTY / UNIT	1	MODEL USED ON	BCT10KA	ASS'Y NO.	
APPLICATION		CODE	A	5401-451	

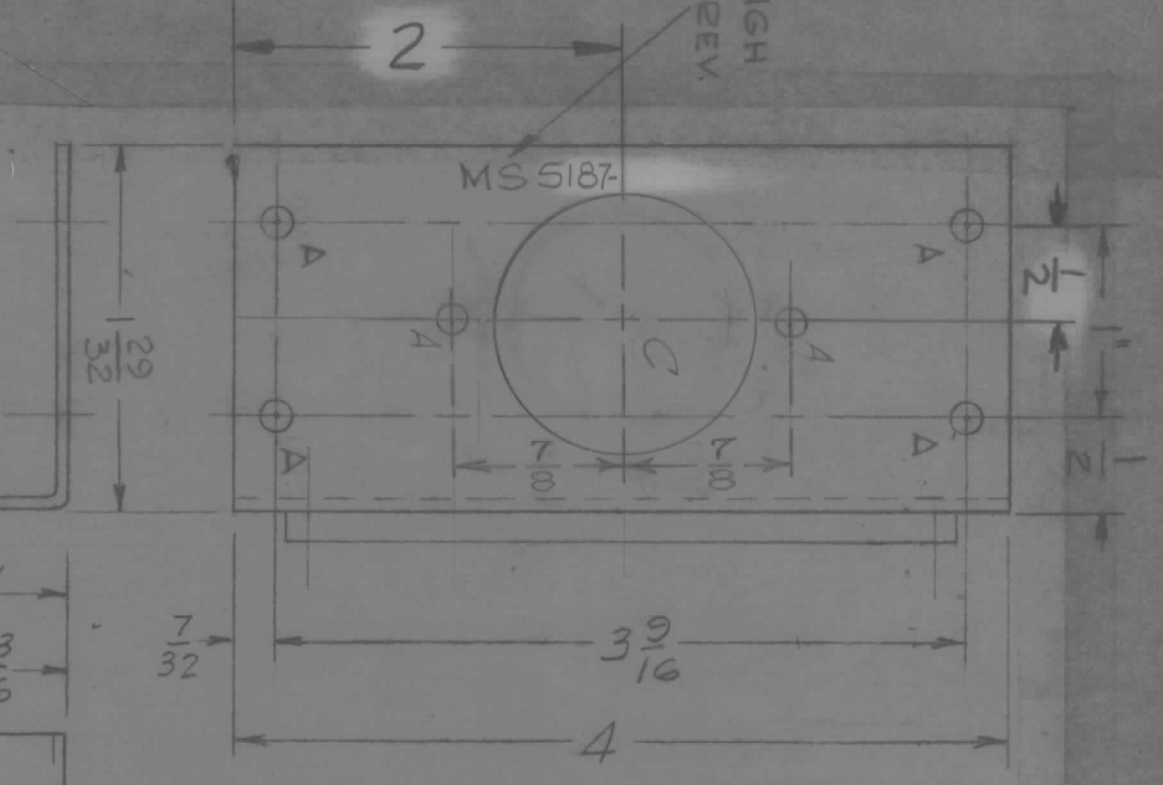
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DECIMALS	FRACTIONS
.X ± .05	1/64
.XX ± .01	ANGLES
.XXX ± .005	0° .30'

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES
 MATERIAL .063 THK ALUMINUM 5052-H32
 FINISH 5404 YEL. IRIDITE

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
F. BUDETTI		LIST OF MATERIAL	SK 3290-MS2023
FINAL APPROVAL	DATE	THE TECHNICAL MATERIEL CORP.	
MECH. DES.	DATE	MAMARONECK, NEW YORK	
ELECT. DES.	DATE	CHASSIS, PS., LFE DRAWER	
CHECKED	DATE	SIZE	CODE IDENT. NO.
DRAWN	DATE	B	82679
		SCALE	DWG NO.
		1:2	MS 5184
			ISSUE
			Φ

MARK TMC P/NO 1/8 HIGH
GOTHIC WITH LATEST REV.
LETTER.



HOLE	DESCRIPTION	REQ.
A	11/64 DIA.	6
B	.067 DIA.	2
C	1-3/8 DIA.	1

UNLESS OTHERWISE SPECIFIED:

1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
2. ALL ANGULAR BENDS 90 DEGREES
3. REMOVE ALL BURRS AND SHARP EDGES
4. MOUNT IT.1#2 AFTER FINISHING

1 MOUNT IN
2 "B" HOLE

QTY / UNIT	1	MODEL USED ON	SP-10K LFE, BCT.10KA SP-10K RCL, 40K ECL	ASS'Y NO.	LFE-1 MMX()
SA01-4SI		APPLICATION CODE			

DECIMALS	X ± .05	FRACTIONS	1/64
	XX ± .01	TOLS.	
	XXX ± .005	ANGLES	90°-30°
MATERIAL .063 THK ALUMINUM, 5052-H32		FINISH 5A04 YEL. IRIDITE	

REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
1	2	CU157-4	RETAINER, PC BOARD	B
2	1	EY100-5	EYELET, FLAT FLANGE	B

LIST OF MATERIAL
THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

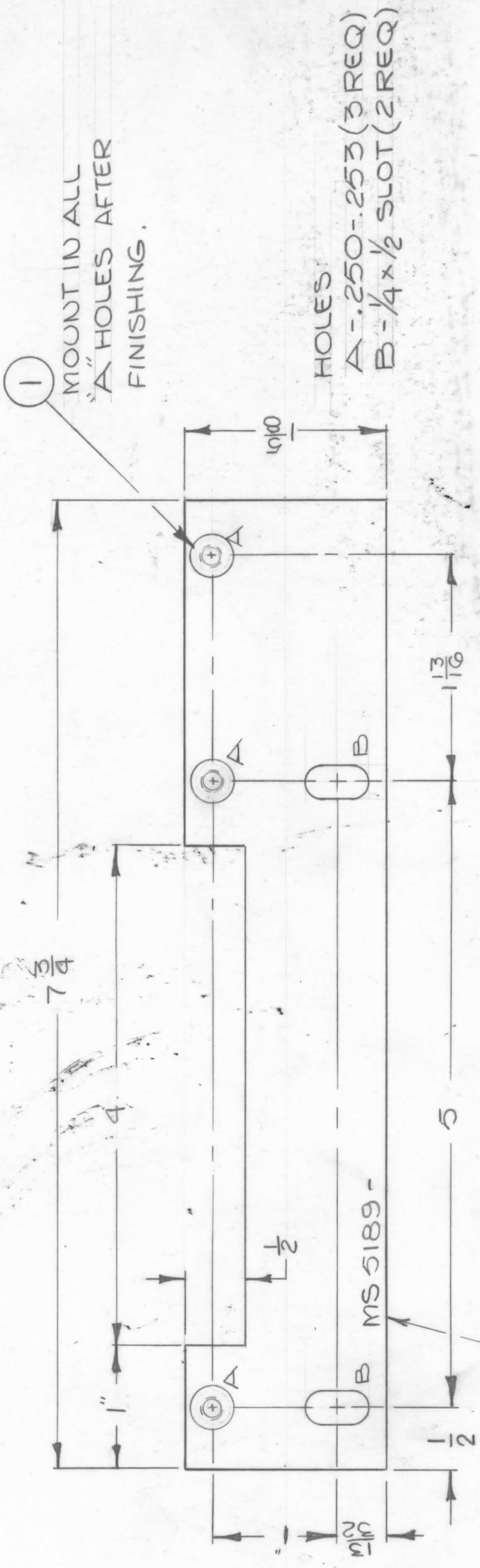
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679	MS 5187	φ
SCALE	1:1	SHEET	OF

ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	X1	EXP. RELEASE	9-26-67				
φ	φ	Hold was 1/8; 3/8 was 3/4 ORIGINAL RELEASE FOR PRODUCTION	10-28-67				
			9/1/68				

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REVISIONS

ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
	X	EXP. RELEASE	9-28-67		PK		
		ORIGINAL RELEASE	8/18/69		W		



MS 5189-1	AS SHOWN
MS 5189-2	OPP HAND

3	1	NT129-1032-G	NOT PLAIN SPLINE	A
REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.	

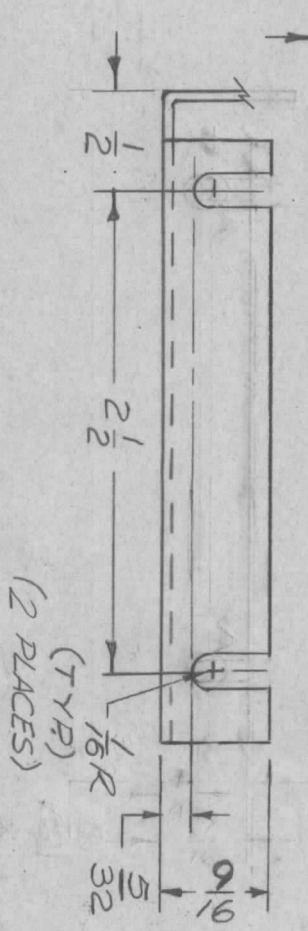
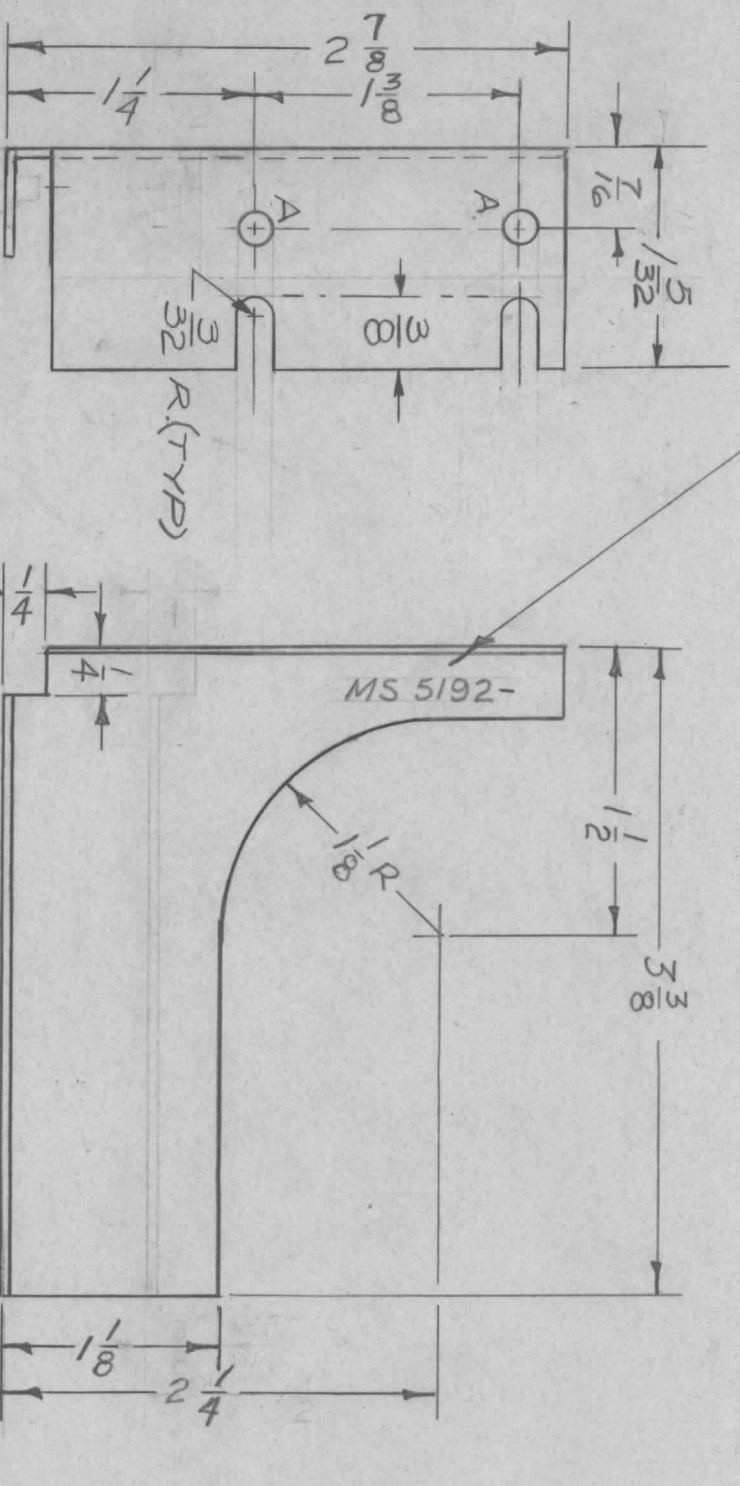
F. BUDETTI		LIST OF MATERIAL	
FINAL APPROVAL	DATE	THE TECHNICAL MATERIEL CORP.	
MECH. DES.	DATE	MAMARONECK, NEW YORK	
ELECT. DES.	DATE	BRACKET, MTG PANEL	
CHECKED	DATE	SIZE	CODE IDENT. NO.
DRAWN	DATE	B	82679
		SCALE	1:1
		SHEET	1 OF 1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		FRACTIONS 1/64	
DECIMALS	TOLS.	ANGLES	
X ± .05	.XX ± .01	0° - 30'	
.XXX ± .005			
MATERIAL	STHICK		
ALUM	5032-H32		
FINISH	S404 YEL. IRIDITE		

IEA	GPT-40 KEL	ASSY NO.	
IEA	GPT-10 KLFE	APPLICATION	
IEA	GPT-10 KRL	CODE	S401-451
QTY / UNIT	MODEL USED ON		
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REVISIONS							
ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
	X	EXP. RELEASE	10/18/67			EMF	EMF
	X1	COMPLETELY REVISED	10/30/67			EMF	EMF
	Ø	ORIG. RELEASE FOR PROD	11.20.68	Ø		R.G.	R.G.
	Δ	REV. PICT.DIM. DEL. IT. 1	3.7.69	10335	GE	EMF	EMF
	B	DIM CHG 3/32 R TO 1/16 R	8/1/69	19531	GE	EMF	EMF

MARK TMC P/N 1/8 HIGH GOTHIC
W/LATEST REVISION LETTER



HOLES	DESCRIPTION	REQ.
Δ	1/16 DIA.	2
Δ	1/64 DIA.	2

MS 5192 - 1 AS SHOWN
MS 5192 - 2 OPP. HAND

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
F EATON			
LIST OF MATERIAL			

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

BRACKET, LEDEX

DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
11/19/68	11/19/68	10/30/67	10/30/67	10/18/67					

SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679	MS 5192	B

QTY / UNIT	MODEL USED ON	ASS'Y NO.
1 EA	RTTD-4,5,5A	

APPLICATION	CODE	ASS'Y NO.
	A	S 401 - 451

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS FRACTIONS
 .X ± .05 1/64
 .XX ± .01 TOLS. ANGLES
 .XXX ± .005 0° - 30°

MATERIAL .051 ALUM.
5052 - H32

FINISH S 404 YEL.
IRIDITE

- UNLESS OTHERWISE SPECIFIED:
1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
 2. ALL ANGULAR BENDS 90 DEGREES
 3. REMOVE ALL BURRS AND SHARP EDGES
 4. MOUNT INSERTS AFTER FINISHING

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REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO	DRAFT	CHKD
	X	EXP. RELEASE	10.4.67		H.G.	
		ORIGINAL RELEASE				



- UNLESS OTHERWISE SPECIFIED:
1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
 2. ALL ANGULAR BENDS 90 DEGREES
 3. REMOVE ALL BURRS AND SHARP EDGES

QTY / UNIT	1	MODEL USED ON	GPT 40KEL	ASS'Y NO.	
APPLICATION		CODE	S401-451		

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DECIMALS	FRACTIONS
.X ± .05	1/64
.XX ± .01	ANGLES
.XXX ± .005	0° - 30'

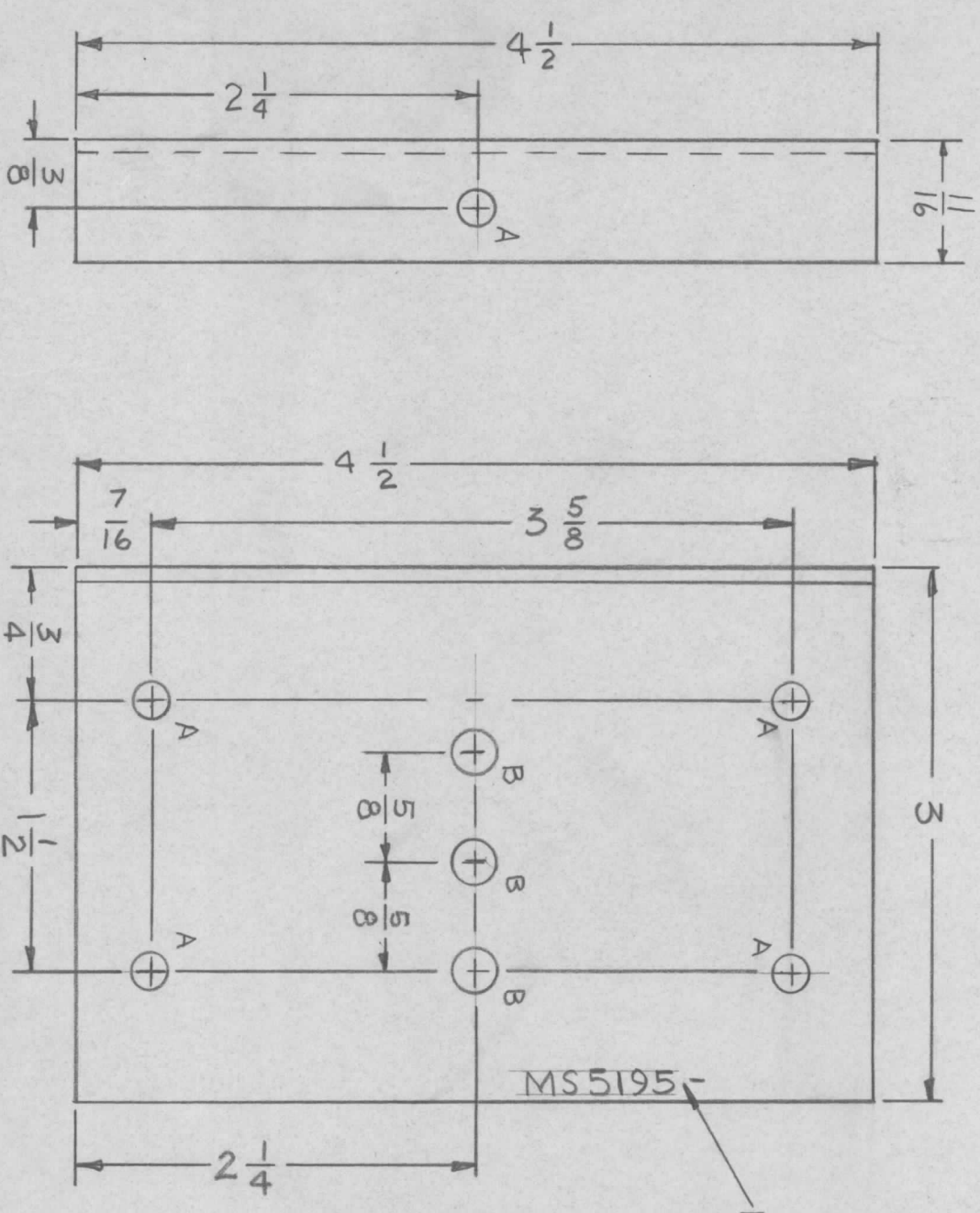
MATERIAL
 .063 THK ALUM.
 5052-H32
 FINISH S404 YEL
 IRIDITE

REQ'D ITEM	F. BODETTI	PART NUMBER		DESCRIPTION	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	SYM.
FINAL APPROVAL	<i>[Signature]</i>	DATE		LIST OF MATERIAL	COVER, FINAL TUBE (WRAPAROUND)	
MECH. DES	<i>[Signature]</i>	DATE		SIZE	B	ISSUE
ELECT. DES	<i>[Signature]</i>	DATE		CODE IDENT. NO.	82679	
CHECKED	<i>[Signature]</i>	DATE		DWG NO.	MS 5194	
DRAWN	H.G.	DATE	10.4.67	SCALE	1:2	SHEET

REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N. NO	DRAFT	CHKD
X		EXP. RELEASE	11-14-67		HE	
Ø		ORIG. RELEASE FOR PROD	2-19-69		RG	

MS 5195-1	AS SHOWN	RIGHT SIDE
MS 5195-2	W/O "B" HOLES	LEFT SIDE

MARK TMC P/N 1/8" HIGH
GOTHIC W/LATEST REV.
LETTER.



HOLE	DESCRIPTION	REQ
A	13/64 DIA.	5
B	1/4 DIA.	3

REF: LD2254

REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
F. BUDETTI		LIST OF MATERIAL	

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

PLATES, SIDE

DATE	DATE	DATE
2/18/69	2/19/69	11-14-67

DECIMALS	FRACTIONS
X ± .05	1/64
.XX ± .01	ANGLES
.XXX ± .005	0° - 30'

QTY / UNIT	MODEL USED ON	ASS'Y NO.
1	GPT-10KLFEE	
APPLICATION		
CODE	CODE	
A	S401-451	

- UNLESS OTHERWISE SPECIFIED:
1. USE MATERIAL THICKNESS FOR MAXIMUM RADIUS ON ALL BENDS
 2. ALL ANGULAR BENDS 90 DEGREES
 3. REMOVE ALL BURRS AND SHARP EDGES

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FINISH	SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
R/DITE	B	82679	MS 5195	
	SCALE	1:1		SHEET OF