

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

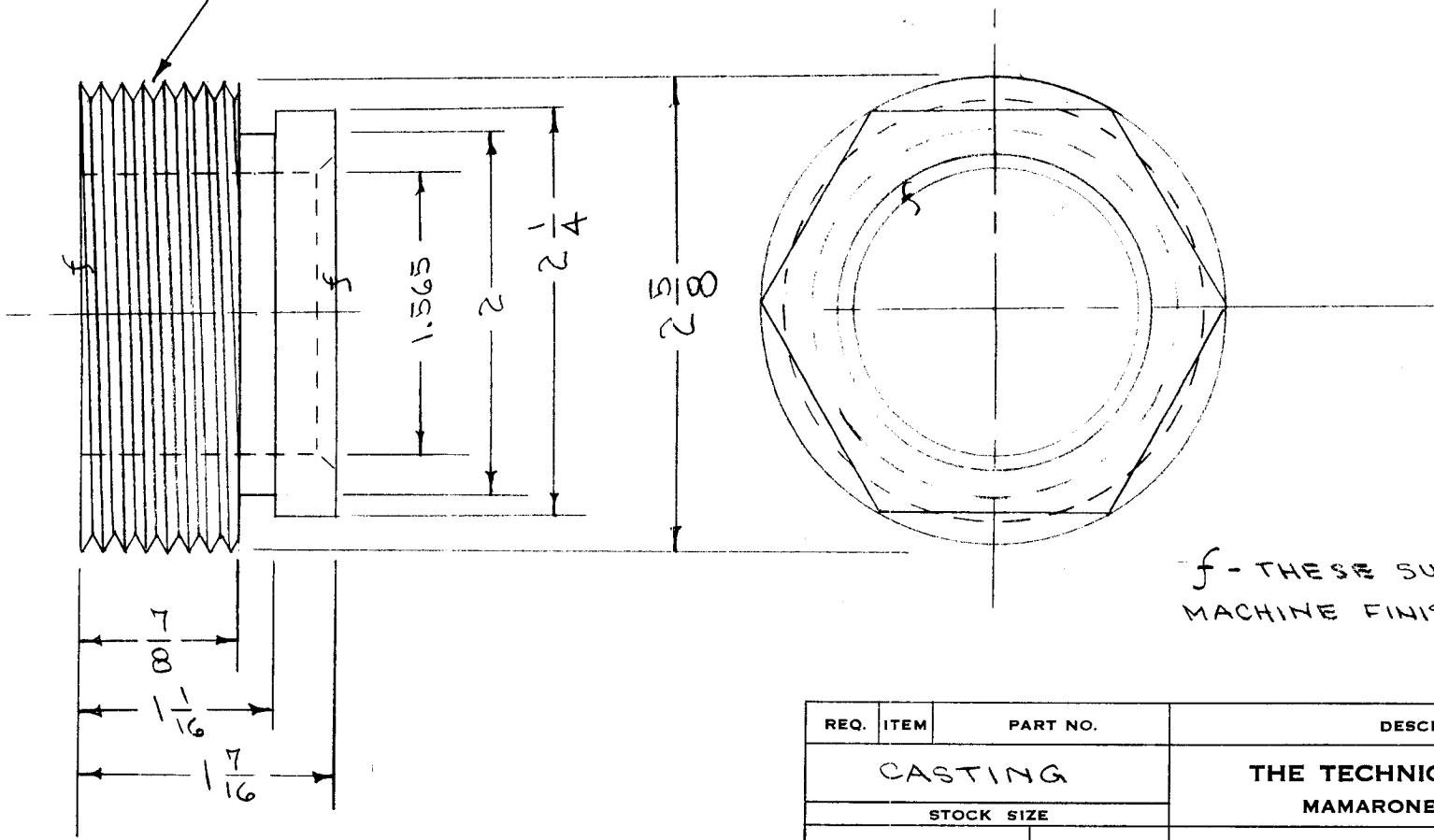
SM-102 B

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

USED ON

MODEL	PROJECT NO.	ASSY. NO.	DATE
ES85/U	135	A-113	7-23-52
TCA-85/12	154	A-133	9-4-52

2 5/8 - 16 THD. CLASS 2



f - THESE SURFACES TO BE MACHINE FINISHED.

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		CASTING	THE TECHNICAL MATERIEL CORP.	
		STOCK SIZE	MAMARONECK, NEW YORK	
		PHOSPHOR BRONZE	NUT, ARMOR GLAND	
		MATERIAL		
		WEIGHT PER PC.		
		GRADE 2		
		TYPE & TEMPER	CDD-2-12-54	
			DRAWN	ELEC. DES. APP. MECH. DES. APP.
		HEAT TREAT. SPEC.	FADE	WIC
		FINISH & SPEC. NO.	8-105 CAD. PLATE .0002	
			CHECKED	FINAL APPROVAL
			SM-102	B

B	I	MATERIAL WAS BRASS	2-15-62	6367	FA	OK	OK
		REDRAWN - NO CHANGE	7/12/54		C.D.D.	FADE	WIC
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.

TOLERANCES

SCALE

DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

ALL OTHERS
DEC. DIM. ±
FRAC. DIM. ±
ANGULAR DIM. ±

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

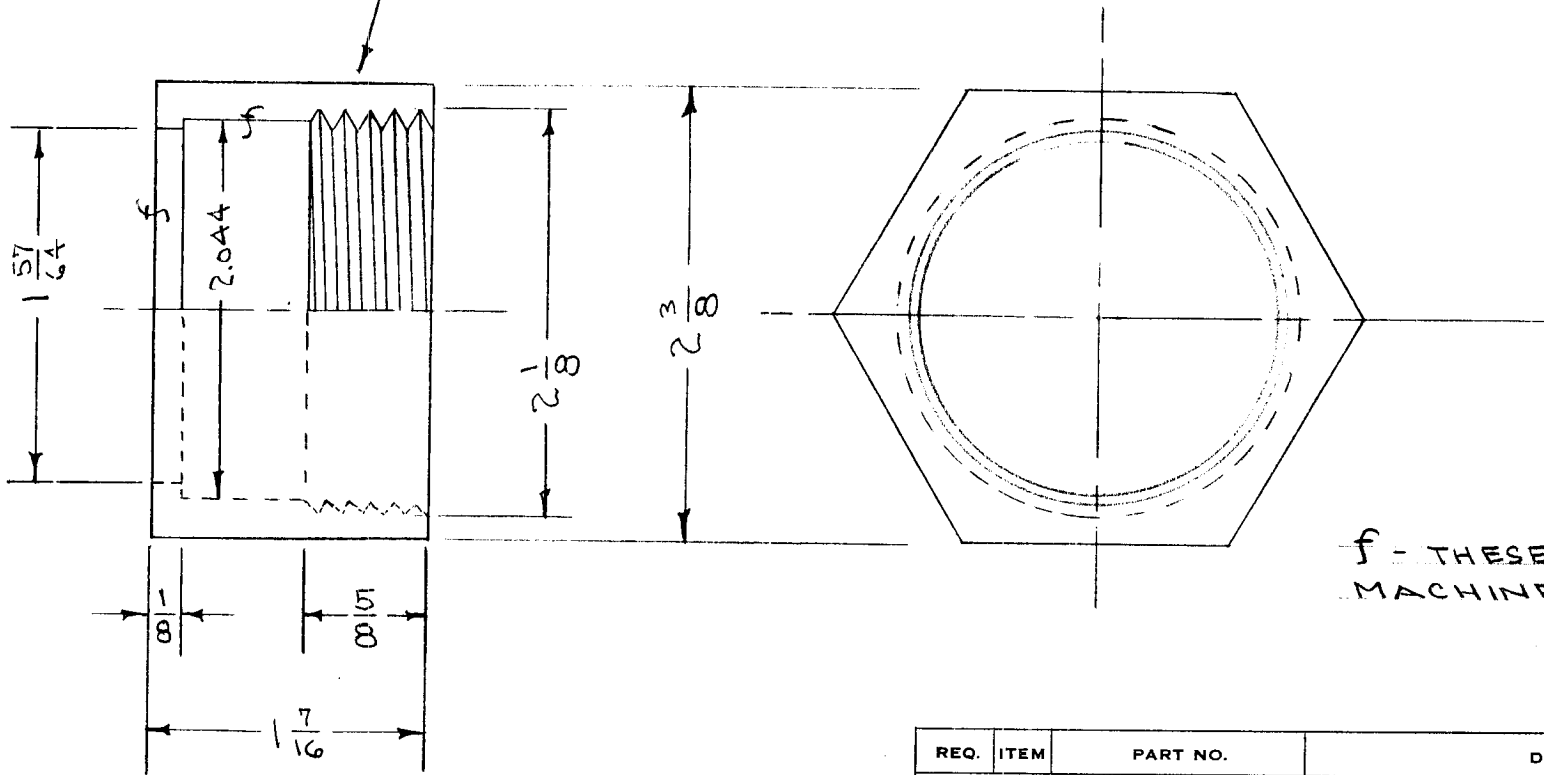
SM-103 B

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

USED ON

MODEL	PROJECT NO.	ASS'Y. NO.	DATE
ES85/J	135	A-113	7-23-52
TCA-85/12	154	A-133	9-4-52

2/8-16 THD. CLASS 2



f - THESE SURFACES TO BE MACHINE FINISHED

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		CASTING	THE TECHNICAL MATERIEL CORP.	
		STOCK SIZE	MAMARONECK, NEW YORK	
		PHOSPHOR BRONZE	CONNECTOR NUT	
		MATERIAL		
		WEIGHT PER PC.		
		GRADE 2		
		TYPE & TEMPER	C.I.D.D. 2-12-54	
			DRAWN	ELEC. DES. APP. MECH. DES. APP.
		HEAT TREAT. SPEC.	FAID	
		FINISH & SPEC. NO.	CHECKED	FINAL APPROVAL
				SM-103 B

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
B	1	MATERIAL WAS BRASS	2-15-62	6367	EA	FAID	afa
		REDRAWN - NO CHANGE	7/12/54		C.I.D.D.	FAID	afa

TOLERANCES		SCALE
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± 1/16 ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

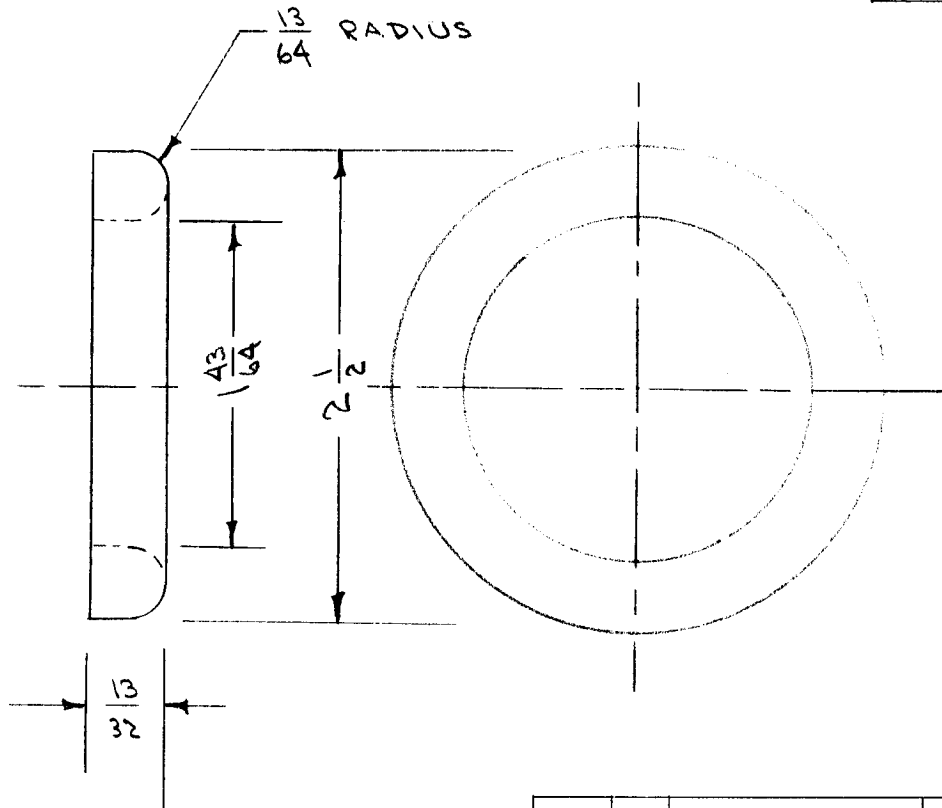
IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

SM-105

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

USED ON

MODEL	PROJECT NO.	ASS'Y. NO.	DATE
ES85/U	135	A-113	7-23-52
TCA-85/12	154	A-133	9-4-52



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
	#		THE TECHNICAL MATERIEL CORP.	
			MAMARONECK. NEW YORK	
	STEEL	#	ARMOR RING	
	MATERIAL	WEIGHT PER PC.		
	COLD ROLLED			
	TYPE & TEMPER		C.D.D. 2-12-54	
	HEAT TREAT. SPEC.		DRAWN	ELEC. DES. APP.
	S-105 CAD. PLATE	.0003	CHECKED	FINAL APPROVAL
	FINISH & SPEC. NO.			SM-105

ISSUE	1"EM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
		REDRAWN - NO CHANGE	2/12/54			C.D.D.	<i>[Signature]</i>

ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±	SCALE	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.
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IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

STANDARD DRAWING

SM-107 A

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION.
REMOVE ALL BURRS AND SHARP EDGES

USED ON

MODEL

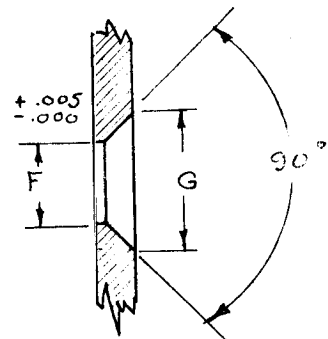
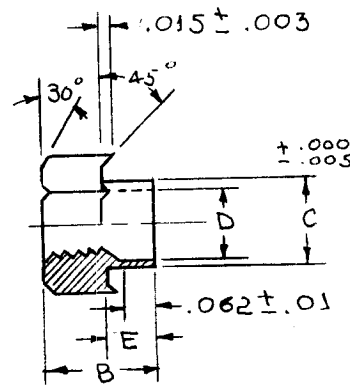
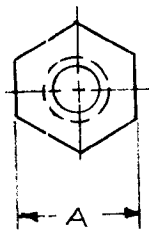
PROJECT NO.

ASS'Y. NO.

DATE

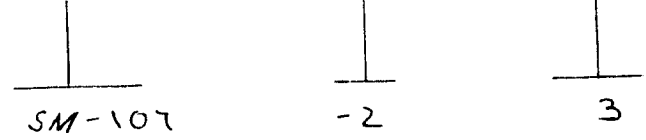
CODE	SIZE	1	2	3	4	5
THRD CLASS	2	4-40	6-32	8-32	10-24	10-32
DIMENSIONS		1	2	3	4	5
A		1/4	5/16	3/8	3/8	3/8
B		.187	.187	.218	.218	.218
C		.182	.213	.265	.265	.265
D		.152	.177	.221	.221	.221
F		.182	.213	.265	.265	.265
G		.234	.265	.323	.323	.323

E DIMENSION	PANEL THICKN. ALUM. GAUGE		PANEL THICK. STEEL GAUGE		DIMENSION CODE
	.042	.0403	18	.0418	
.051	.0508	16	.0478	18	2
.064	.0641	14	.0598	16	3
.081	.0808	12	.0747	14	4
.105	.1019	10	.1046	12	5
.135	.1285	8	.1345	10	6



DRILLING PLAN

NOMENCLATURE SIZE DIMENSION



EXAMPLE: SM-107-23 FOR G-32 ON .064 PANEL

NOTE: INSERT MUST BE FREE FROM BURRS

A	1	REF. Added	6/1/54	1	LAG	PIS	WJC
		NO CHANGE READRAWN	9-16-54		FB	COB	WJC
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.

TOLERANCES		SCALE	S-401-10
ALL OTHERS		DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.	
DEC. DIM. ± .005			
FRAC. DIM. ±			
ANGULAR DIM. ± 1°			

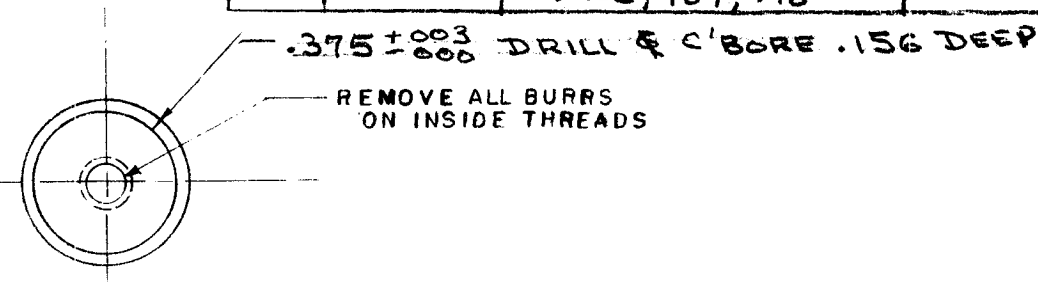
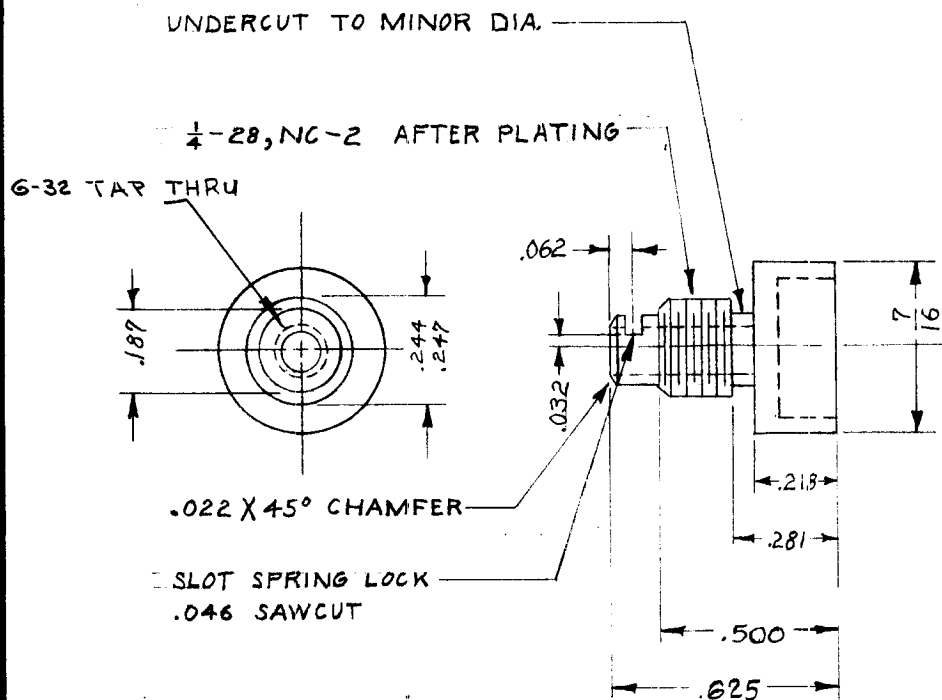
REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		HEX	THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK	
		STAINLESS STEEL	INSERT HEX	
		MATERIAL	WEIGHT PER PC.	
		303		
		TYPE & TEMPER	P.B. 9-16-54	
		HEAT TREAT. SPEC.	DRAWN	ELEC. DES. APP. MECH. DES. APP.
		PASSIVATE S-104	CHECKED	FINAL APPROVAL
		FINISH & SPEC. NO.		SM-107 A

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

SM-110

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ PER UNIT	USED ON			
	MODEL	PROJECT NO.	ASS'Y. NO.	DATE
	FFR	104	A-157	9-11-52
3	FFRD-1,2,3	E-458-P		4/16/56
2	A-1387			5-1-58
11	SBE-2			5-5-58
16	GPR-90			5-12-58
8	GPR-92	TT-102, 103, 104, 105 TT-106, 107, 108		10-29-62



NOTE:
6-32 HOLE MUST BE CONCENTRIC WITH .375 DIA. WITHIN ± .001

DIM. SHOWN ARE AFTER PLATING.

B	3	.625	was .593	2/25/56	2	B	Jade	WDC
	2	.500	.468					
	1	NOTE ADDED						
A	—	REDRAWN - NO CHANGE		8-26-53	—	F.M.	Jade	WDC
ISSUE	ITEM	CHANGED FROM		DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		//	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		STOCK SIZE		
		BRASS	I.F. COIL MOUNTING	
		MATERIAL	BUSHING	
		WEIGHT PER PC.	F.M. 8-26-53	
		TYPE & TEMPER	DRAWN	ELEC. DES. APP.
				MECH. DES. APP.
		HEAT TREAT. SPEC.	CHECKED	FINAL APPROVAL
		CAD. PLATE .0003		
		S-105		
		FINISH & SPEC. NO.		

TOLERANCES		SCALE 2X
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± AN ULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

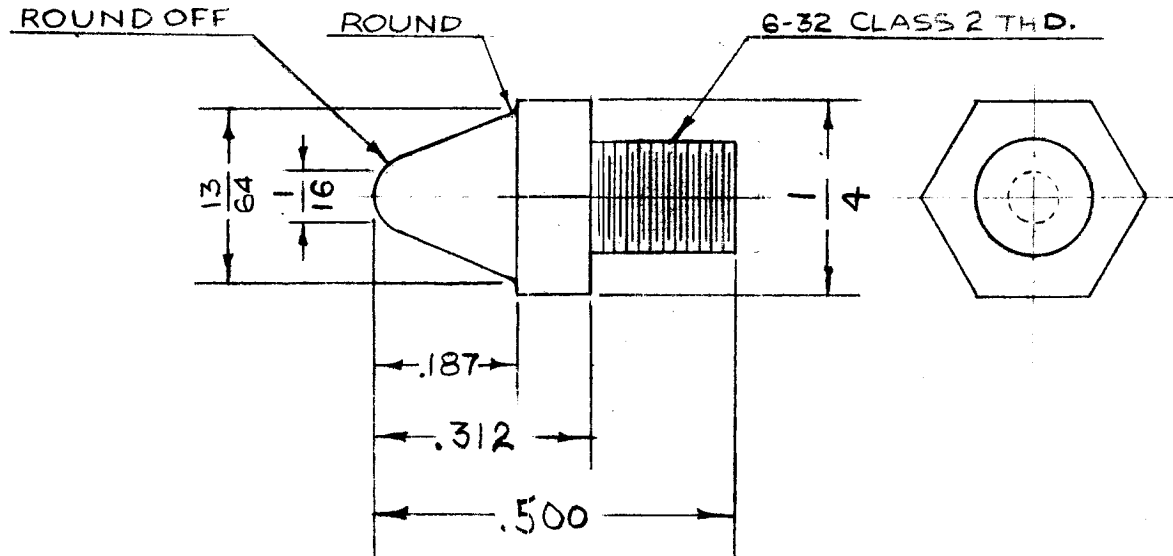
IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

RELEASED

SM-112

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ PER UNIT	USED ON			
	MODEL	PROJECT NO.	ASS'Y. NO.	DATE
2	FFRD-5	104	A-228	10-1-52
2	FFRD-6	104	A-228	10-15-52
2	FFRD-7	104	A-228	10-15-52
2	FFRD-8	104	A-228	10-15-52
2	FFRD-1,2,3	E-458-P		4/6/56



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		1/4 HEX	THE TECHNICAL MATERIEL CORP, MAMARONECK. NEW YORK	
		STOCK SIZE		
		STAINLESS STEEL	—//—	LOCK PIN
		MATERIAL	WEIGHT PER PC.	
		416		
		TYPE & TEMPER		
		—//—		
		HEAT TREAT. SPEC.		
		PASSIVATE-S-104		
		FINISH & SPEC. NO.		

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES			SCALE 4" TO 1"				
ALL OTHERS	DEC. DIM. ± .005	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.					
	FRACTIONAL DIM. ± 1/64						
	ANGULAR DIM. ± 1/4						

DRAWN: *J. Gabel*
 ELEC. DES. APP.: *WDC 10/10/52*
 MECH. DES. APP.: *[Signature]*
 CHECKED: *WDC 10/10/52*
 FINAL APPROVAL: SM-112

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

RELEASED

SM-113

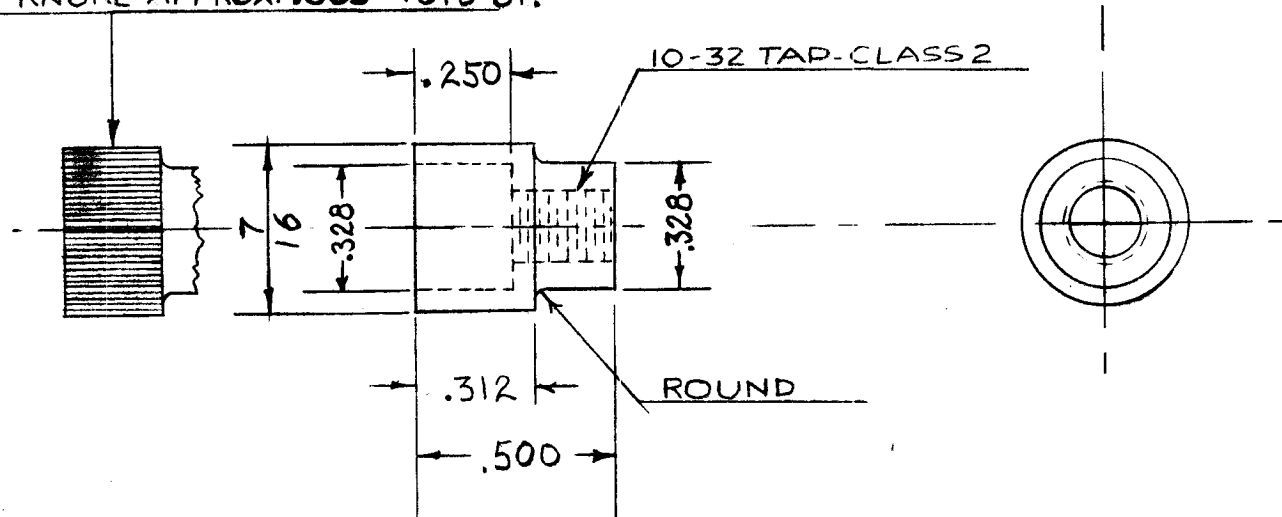
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ. PER UNIT

USED ON

REQ. PER UNIT	MODEL	PROJECT NO.	ASS'Y. NO.	DATE
2	FFR	104	A-226	10-2-52
4	FFR-DP	104	A-334	1-21-53
4	FFR-DPH	333	A-854	10-19-54
2	PSP-350	PAL-350		5-1-58
2	FFR-2			5-22-58

STRAIGHT KNURL-APPROX. .005 - .010 DP.



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		7/16 ^D ROD	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		STOCK SIZE		
		ALUMINUM	LOCK, NUT	
		MATERIAL		
		11S-T3		
		TYPE & TEMPER	9-30-52	10/18/52
			DRAWN	ELEC. DES. APP.
			10-10-52	MECH. DES. APP.
		HEAT TREAT. SPEC.	CHECKED	FINAL APPROVAL
		CAUSTIC DIP-S-101		SM-113
		FINISH & SPEC. NO.		

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.

TOLERANCES

SCALE 2" TO 1"

ALL OTHERS

DEC. DIM. ± .005
FRAC. DIM. ±
ANGULAR DIM. ±

DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

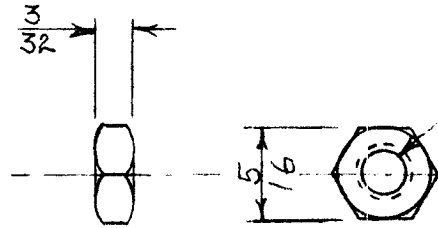
RELEASED

SM-114

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ PER UNIT	USED ON			
	MODEL	PROJECT NO.	ASS'Y. NO.	DATE
2	FFR	104	A-226	10-13-52
4	FFR-DP	104	A-334	1-21-53
4	FFR-DPH	333	A-854	10-19-54
2	FFR-2			5-22-58

10-32 CLASS 2 THD.



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		5/16 HEX.	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		STOCK SIZE		
		BRASS	NUT	
		MATERIAL	WEIGHT PER PC.	
		#		
		TYPE & TEMPER	WDC 10-13-52	Pg 10/13/52
		#	DRAWN	ELEC. DES. APP. MECH. DES. APP.
		HEAT TREAT. SPEC.	OK	FA
		FINISH & SPEC. NO.	CHECKED	FINAL APPROVAL
		S-105 BR. CAD. PL.		SM-114

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES			SCALE 2x1				
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.					

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

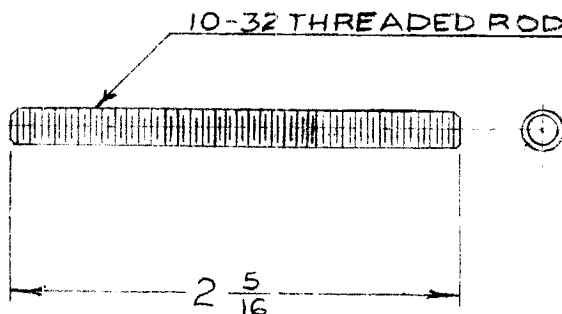
RELEASED

SM-115

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

USED ON

MODEL	PROJECT NO.	ASS'Y. NO.	DATE
TWR-115	151	A-212	9-3-52



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		10-32 TH'D. ROD	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		STOCK SIZE		
		BRASS	THREADED ROD	
		MATERIAL	WEIGHT PER PC.	
		TYPE & TEMPER		
		HEAT TREAT. SPEC.		
		FINISH & SPEC. NO.		

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES				SCALE FULL SIZE			
ALL OTHERS	DEC. DIM. ±	FRAC. DIM. ±	ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.			

DRAWN	ELEC. DES. APP.	MECH. DES. APP.
WDC 11/8		
CHECKED	FINAL APPROVAL	
	SM-115	

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

SM-115

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

TWR-115

USED ON

MODEL

PROJECT NO.

ASS'Y. NO.

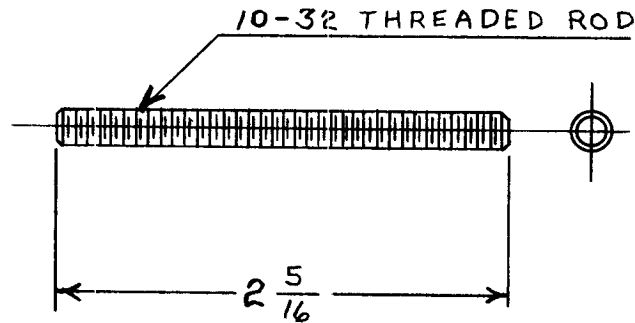
DATE

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Property of:

THE TECHNICAL MATERIEL CORPORATION
MAMARONECK, NEW YORK



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		10-32 TH'D. ROD	TMC (Canada) LIMITED OTTAWA ONTARIO	
		STOCK SIZE		
		BRASS	THREADED ROD	
		MATERIAL	TAPE WINDING	
		WEIGHT PER PC.		
		TYPE & TEMPER		
		HEAT TREAT. SPEC.		
		FINISH & SPEC. NO.		
			FT 10/5/55	
			DRAWN	ELEC. DES. APP. MECH. DES. APP.
			CHECKED	FINAL APPROVAL
				SM-115

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES			SCALE FULL SIZE				
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± 1/64 ANGULAR DIM. ±		DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.				

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

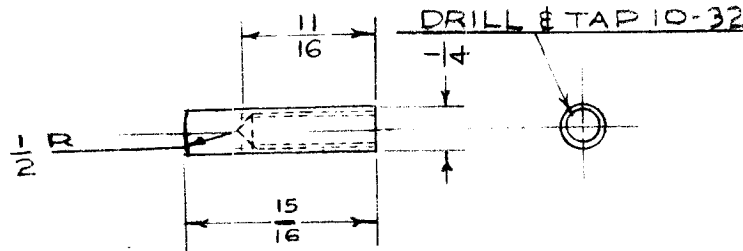
RELEASED

SM-116

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

USED ON

MODEL	PROJECT NO.	ASS'Y. NO.	DATE
TWR-115	151	A-212	9-3-52



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		$\frac{1}{4}$ D.	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		STOCK SIZE		
		BRASS	BUSHING	
		MATERIAL		
		WEIGHT PER PC.		
		TYPE & TEMPER		
		HEAT TREAT. SPEC.		
		CADMIUM PLATE S-105		
		FINISH & SPEC. NO.		

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.

TOLERANCES		SCALE FULL SIZE
ALL OTHERS	DEC. DIM. \pm FRAC. DIM. \pm ANGULAR DIM. \pm	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

DRAWN	ELEC. DES. APP.	MECH. DES. APP.
<i>W. J. G. 11/7</i>		<i>0975</i>
CHECKED	FINAL APPROVAL	
	SM-116	

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

SM-116

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

TWR-115

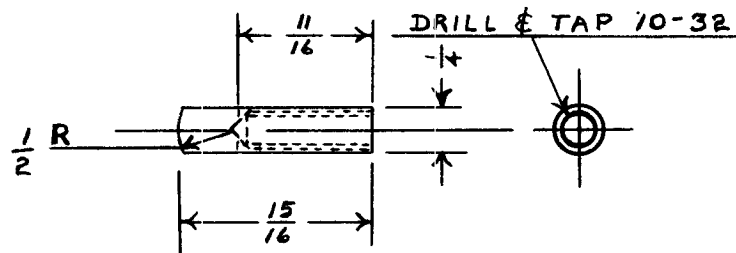
USED ON

MODEL

PROJECT NO.

ASS'Y. NO.

DATE



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Property of:

THE TECHNICAL MATERIEL CORPORATION
MAMARONECK, NEW YORK

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		$\frac{1}{4}$ D	TMC (Canada) LIMITED OTTAWA ONTARIO	
		STOCK SIZE		
		BRASS	BUSHING	
		MATERIAL	TAPE WINDING	
		WEIGHT PER PC.		
		#		
		TYPE & TEMPER	BT 4/5/55	
		#		
		HEAT TREAT. SPEC.		
		CADMIUM PLATE S-105		
		FINISH & SPEC. NO.		
			DRAWN	ELEC. DES. APP.
			<i>Law</i>	
			CHECKED	FINAL APPROVAL
			SM-116	

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES		SCALE FULL SIZE					
ALL OTHERS	DEC. DIM. \pm	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.					
	FRAC. DIM. \pm 1/64						
	ANGULAR DIM. \pm						

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

RELEASED

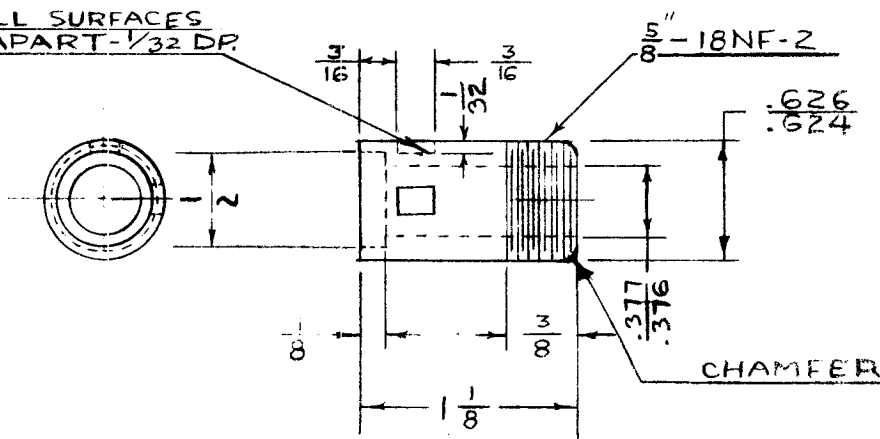
SM-117

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

USED ON

MODEL	PROJECT NO.	ASS'Y. NO.	DATE
TWR-115	151	A-213	9-19-52

2 MILL SURFACES
90° APART - 1/32 DP.



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		.626 DIA. .624	PULLEY BUSHING	
		STOCK SIZE		
		STAINLESS STEEL		
		MATERIAL		
		303 OR 416		
		WEIGHT PER PC.		
		TYPE & TEMPER		
		HEAT TREAT. SPEC.		
		PASSIVATE S-104		
		FINISH & SPEC. NO.		

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES			SCALE FULL SIZE				
ALL OTHERS	DEC. DIM. $\pm .005$	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.					
	FRAC. DIM. \pm						
	ANGULAR DIM. \pm						

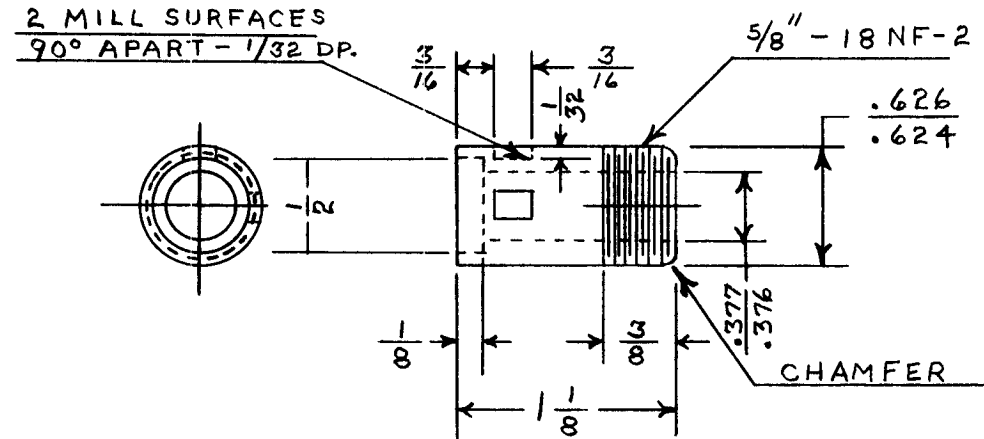
A. Gabel
 DRAWN
 ELEC. DES. APP.
 MECH. DES. APP.
 11/14/52
 CHECKED
 FINAL APPROVAL
 SM-117

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

SM-117

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

TWR-115		USED ON		
MODEL	PROJECT NO.	ASS'Y. NO.	DATE	



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Property of:
THE TECHNICAL MATERIEL CORPORATION
MAMARONECK, NEW YORK

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		.626 .624 DIA.	TMC (Canada) LIMITED OTTAWA ONTARIO	
		STOCK SIZE		
		STAINLESS STEEL	PULLEY BUSHING TAPE WINDING	
		MATERIAL		
		303 OR 416	DR 10/5/55	
		TYPE & TEMPER	DRAWN	ELEC. DES. APP.
		HEAT TREAT. SPEC.	MECH. DES. APP.	
		FINISH & SPEC. NO.	<div style="text-align: right;"> <i>Law</i> CHECKED FINAL APPROVAL </div>	
			<div style="text-align: right;"> SM-117 </div>	

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES			SCALE FULL SIZE				
ALL OTHERS	DEC. DIM. ± .005	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.					
	FRAC. DIM. ± 1/64						
	ANGULAR DIM. ±						

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

RELEASED

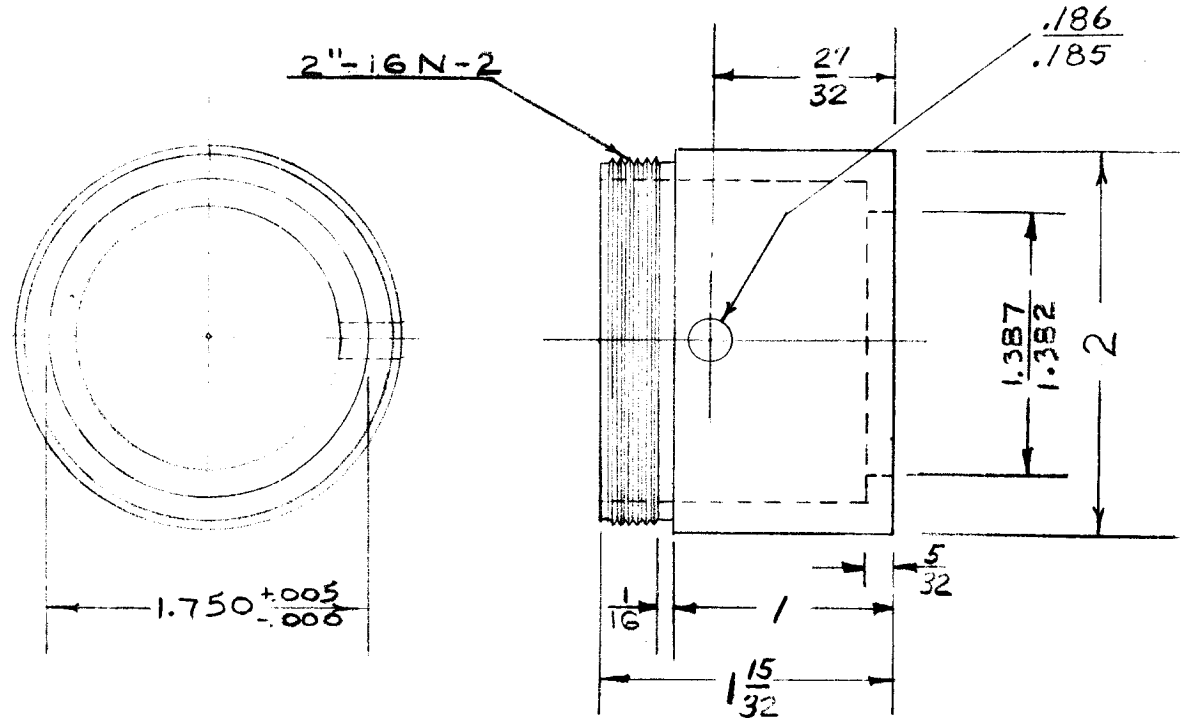
SM-118

A

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

USED ON

MODEL	PROJECT NO.	ASS'Y. NO.	DATE
TWR-115	151	A-217	9-3-52



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		2" DIA	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		STOCK SIZE		
		BRASS	BASE RING	
		MATERIAL		
		FREE TURNING		
		TYPE & TEMPER		
		HEAT TREAT. SPEC.		
		FINISH & SPEC. NO.		

A	1	1 15/32 WAS 1 27/32	7-9-53	1				PMB
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.	
TOLERANCES			SCALE FULL SIZE					
ALL OTHERS	DEC. DIM. ±	.005	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.					
	FRAC. DIM. ±	1/64						
	ANGULAR DIM. ±							

Label		PMB
DRAWN	ELEC. DES. APP.	MECH. DES. APP.
JAD 11/14/52		
CHECKED	FINAL APPROVAL	
	SM-118	A

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

SM-118

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

TWR-115

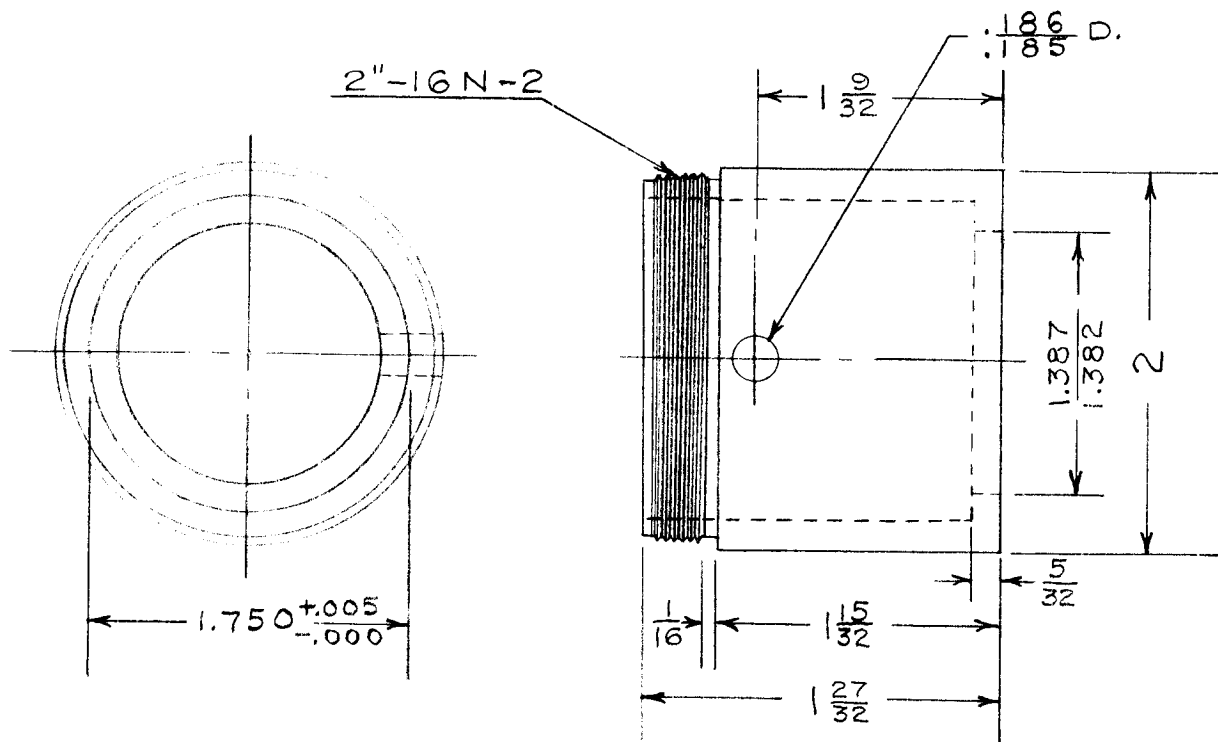
USED ON

MODEL

PROJECT NO.

ASS'Y. NO.

DATE



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		2" DIA.	TMC (Canada) LIMITED OTTAWA ONTARIO	
		STOCK SIZE		
		BRASS	BASE RING	
		MATERIAL	Law	
		FREE TURNING	J.W.T.10-5-55	
		TYPE & TEMPER	DRAWN	ELEC. DES. APP. MECH. DES. APP.
		HEAT TREAT. SPEC.	CHECKED	FINAL APPROVAL
		FINISH & SPEC. NO.		SM-118

ISSUE	TEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.

TOLERANCES

SCALE FULL SIZE

ALL OTHERS

DEC. DIM. $\pm .005$
FRAC. DIM. $\pm \frac{1}{64}$
ANGULAR DIM. \pm

DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

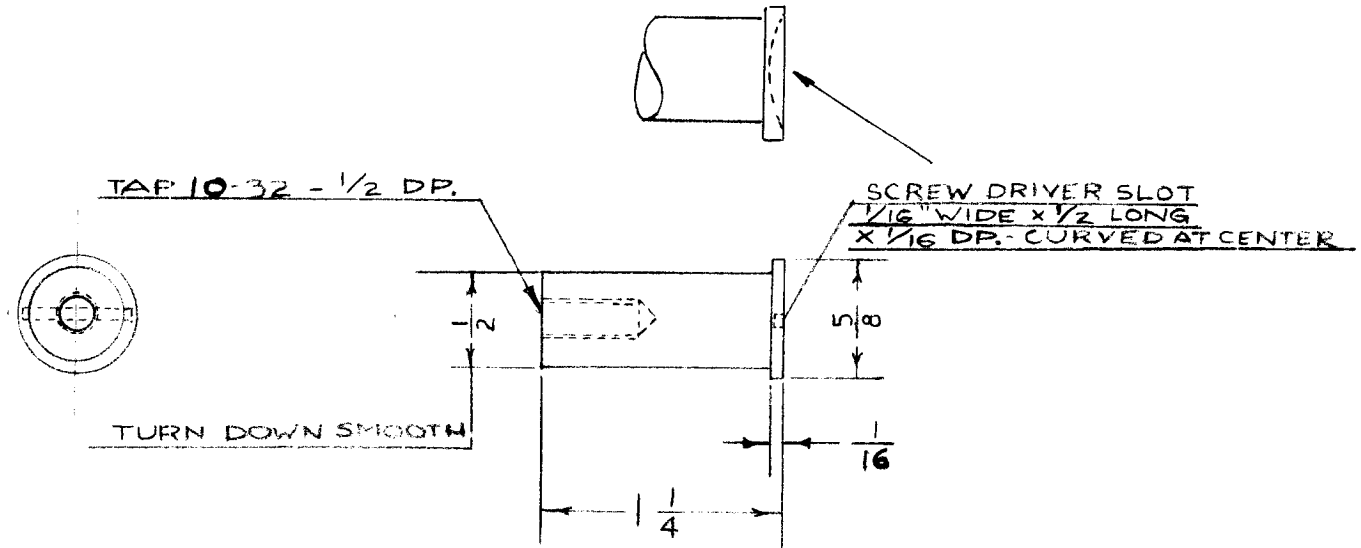
RELEASED

SM-119

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

USED ON

MODEL	PROJECT NO.	ASSY. NO.	DATE
TWR-115	151	A-220	9-6-52



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		3/8 D.	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		STOCK SIZE		
		ALUMINUM	TAPE GUIDE	
		MATERIAL WEIGHT PER PC.		
		115-T3		
		TYPE & TEMPER		
		HEAT TREAT. SPEC.		
		CAUSTIC DIP		
		FINISH & SPEC. NO.		

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES			SCALE FULL SCALE				
ALL OTHERS	DEC. DIM. ± 1/64	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.					
	FRAC. DIM. ± 1/64						
	ANGULAR DIM. ±						

<i>Label</i>		
DRAWN	ELEC. DES. APP.	MECH. DES. APP.
CHECKED	FINAL APPROVAL	
	SM-119	

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

SM-119

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

TWR-115

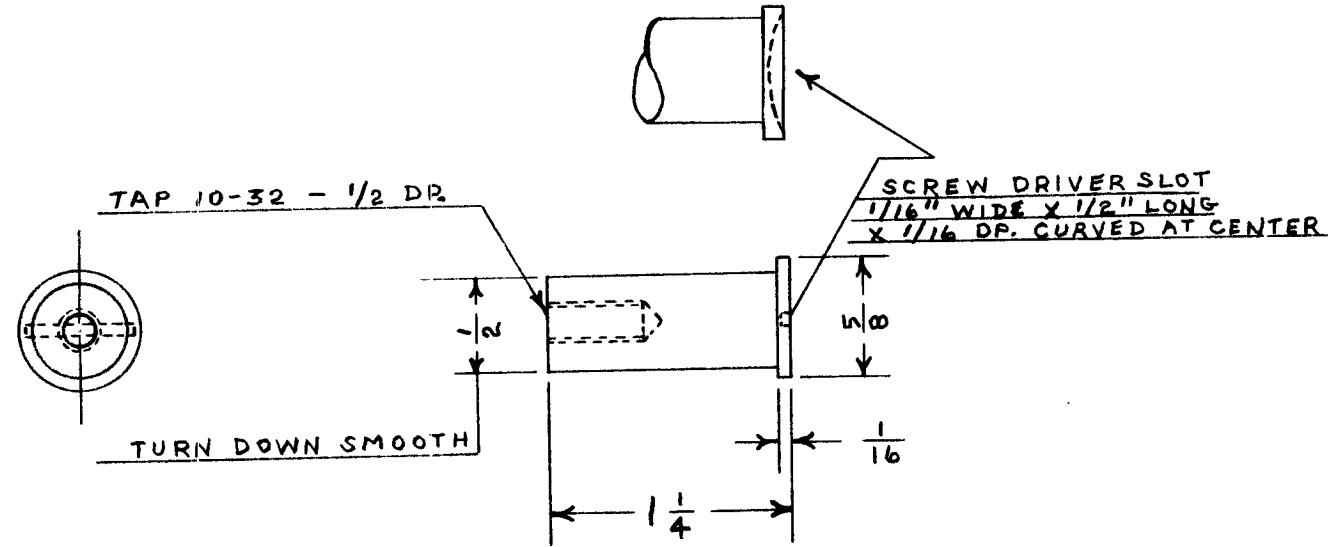
USED ON

MODEL

PROJECT NO.

ASS'Y. NO.

DATE



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Property of:

THE TECHNICAL MATERIEL CORPORATION
MAMARONECK, NEW YORK

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		5/8 D.	TMC (Canada) LIMITED	
		STOCK SIZE	OTTAWA	ONTARIO
		ALUMINUM	TAPE GUIDE	
		MATERIAL	TAPE WINDING	
		11S-T3	DA 6/5/55	
		TYPE & TEMPER	DRAWN	ELEC. DES. APP.
		HEAT TREAT. SPEC.	CHECKED	MECH. DES. APP.
		CAUSTIC DIP		FINAL APPROVAL
		S-101		SM-119
		FINISH & SPEC. NO.		

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES			SCALE FULL SCALE				
ALL OTHERS	DEC. DIM. ±	FRAC. DIM. ± 1/64	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.				
	ANGULAR DIM. ±						

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

SM-121 B

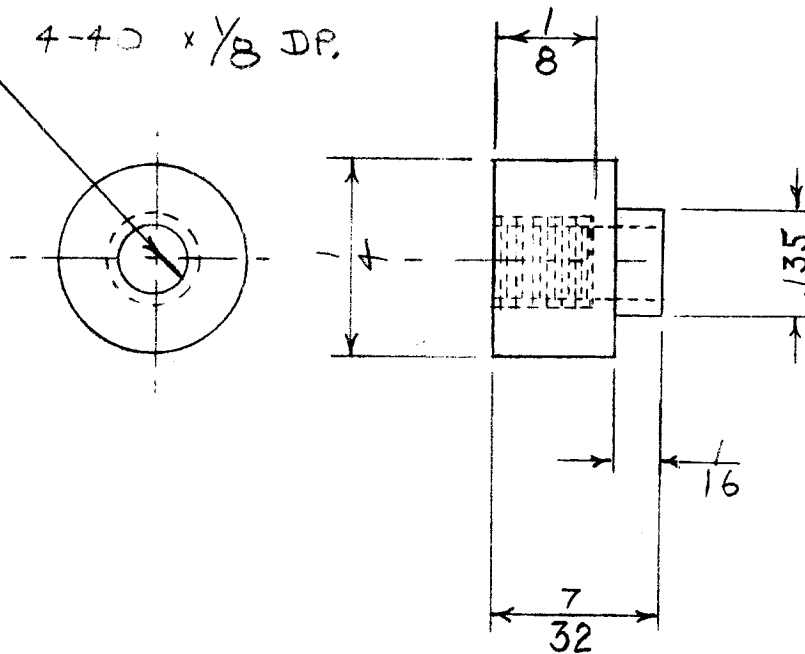
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

RELEASED

USED ON

MODEL	PROJECT NO.	ASS'Y. NO.	DATE
FFRD-5	104	A-235	10-17-52
FFRD-6	104	A-235	10-17-52
FFRD-7	104	A-235	10-17-52
FFRD-8	104	A-235	10-17-52

DRILL & TAP 4-40 x 1/8 DP.



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		1/4 ROD	THE TECHNICAL MATERIEL CORP.	
		STOCK SIZE	MAMARONECK, NEW YORK	
		BRASS	STAND-OFF-RIVET TYPE	
		MATERIAL		
		WEIGHT PER PC.		
		HALF HARD.		
		TYPE & TEMPER		
		HEAT TREAT. SPEC.		
		S-105 CAD. PLATE		
		FINISH & SPEC. NO.		

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
B	2	TAP 4-40 1/8 DP.	11-18-53	2	WDE	PQH	PQH
A	1	DIM. CHANGED	10-30-52	1	WDE	C.D.D	PQH

TOLERANCES	SCALE
DEC. DIM. ± .005 FRAC. DIM. ± Y64 ANGULAR DIM. ±	4 X 1

ALL OTHERS:	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

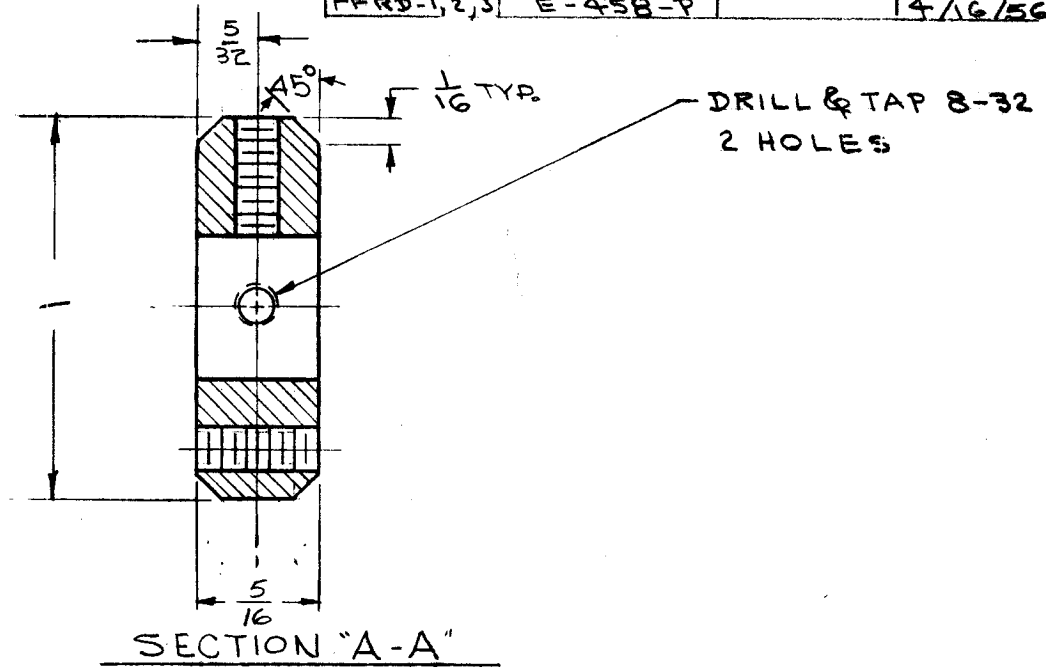
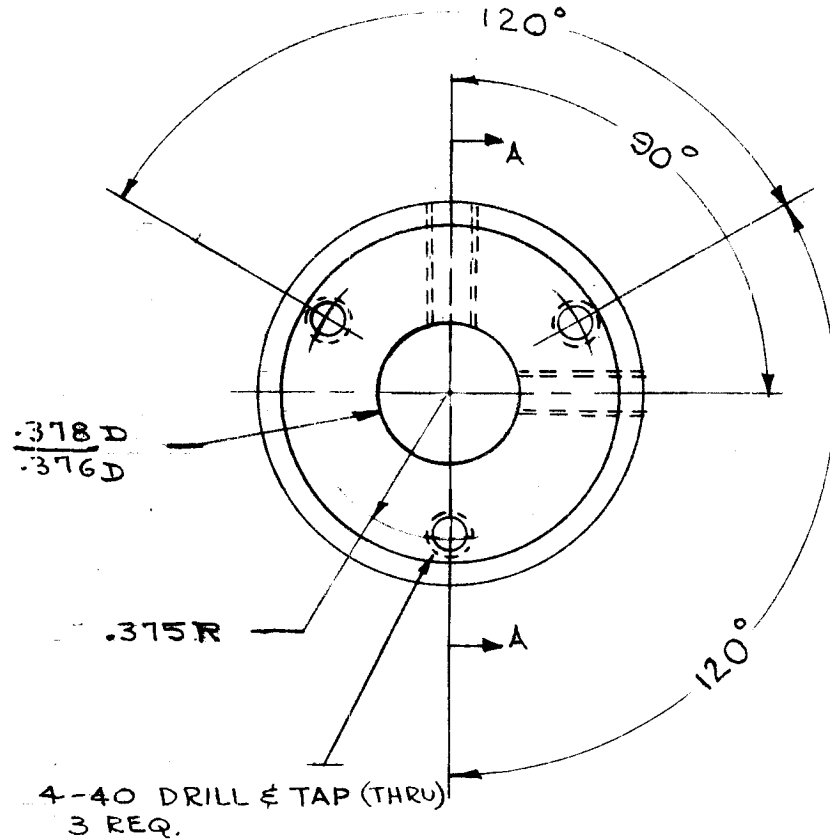
RELEASED

SM-122 B

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

USED ON

MODEL	PROJECT NO.	ASS'Y. NO.	DATE
FFRD-5	104	A-229	12-18-52
FFRD-6	104	A-229	12-18-52
FFRD-7	104	A-229	12-18-52
FFRD-8	104	A-229	12-18-52
FFRD-1,2,3	E-458-P		4/16/56



B	1	1/16 x 45° CHAMFERS ADDED	6-3-63	9119			
A	1	5/16 WAS 5/8; 5/32 WAS 7/16	9-21-62	7235			
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.

TOLERANCES		SCALE
ALL OTHERS	DEC. DIM. ± .005 FRAC. DIM. ± 1/64 ANGULAR DIM. ± 1°	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			DIAL BUSHING	
			LAMINATED PHENOLIC	
			STOCK SIZE	
			MATERIAL	WEIGHT PER PC.
			LINEN BASE	
			TYPE & TEMPER	
			HEAT TREAT. SPEC.	
			FINISH & SPEC. NO.	
			DRAWN	ELEC. DES. APP.
			CHECKED	MECH. DES. APP.
				ARB
				FINAL APPROVAL
				SM-122 B

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

RELEASED

SM-123

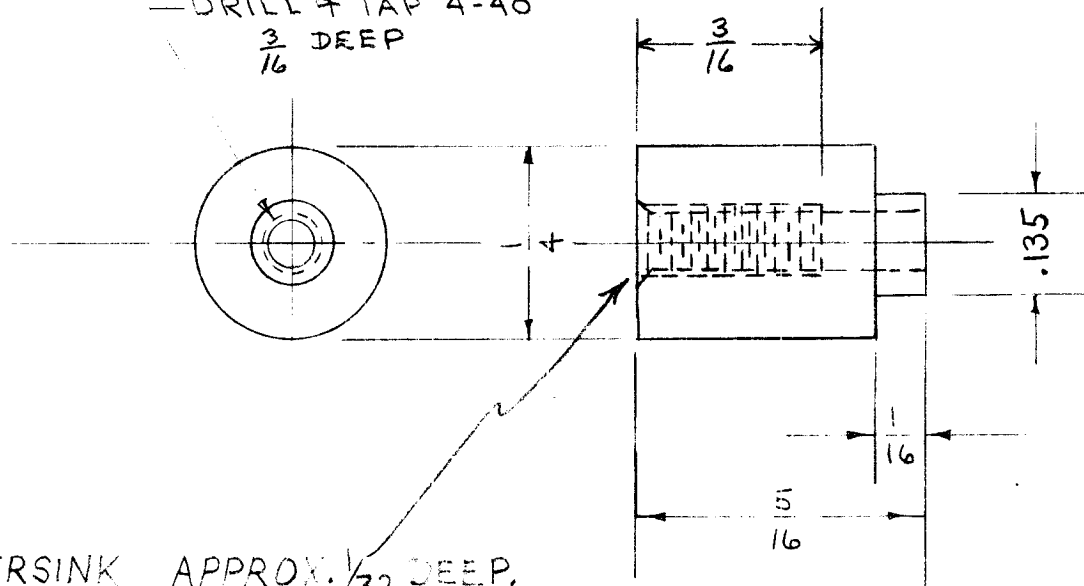
B

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

USED ON

MODEL	PROJECT NO.	ASS'Y. NO.	DATE
FFR	104	A-158	11-19-52
FFR-2			5-22-58

— DRILL & TAP 4-40
3/16" DEEP



COUNTERSINK APPROX. 1/32" DEEP.

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		1/4 ROD	THE TECHNICAL MATERIEL CORP.	
		STOCK SIZE	MAMARONECK. NEW YORK	
		BRASS	STAND-OFF, RIVET TYPE	
		MATERIAL	WEIGHT PER PC.	
		FREE TURNING	C.D.D. 11-19-54	
		TYPE & TEMPER	DRAWN	ELEC. DES. APP.
			MECH. DES. APP.	
		HEAT TREAT. SPEC.	CHECKED	FINAL APPROVAL
		S.135 NICKEL PLATE		SM-123 B
		FINISH & SPEC. NO.		

B		FINISH WAS CAD. PLATE	12-13-66	17446	RME		
A	1	TAP 4-40 3/16" DP.	1-20-53	1			
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.

TOLERANCES

SCALE 4 X 1

ALL OTHERS

DEC. DIM. ± .005
FRAC. DIM. ± 1/64
ANGULAR DIM. ±

DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

SM-124 B

REQ. PER UNIT

USED ON

MODEL

PROJECT NO.

ASS'Y. NO.

DATE

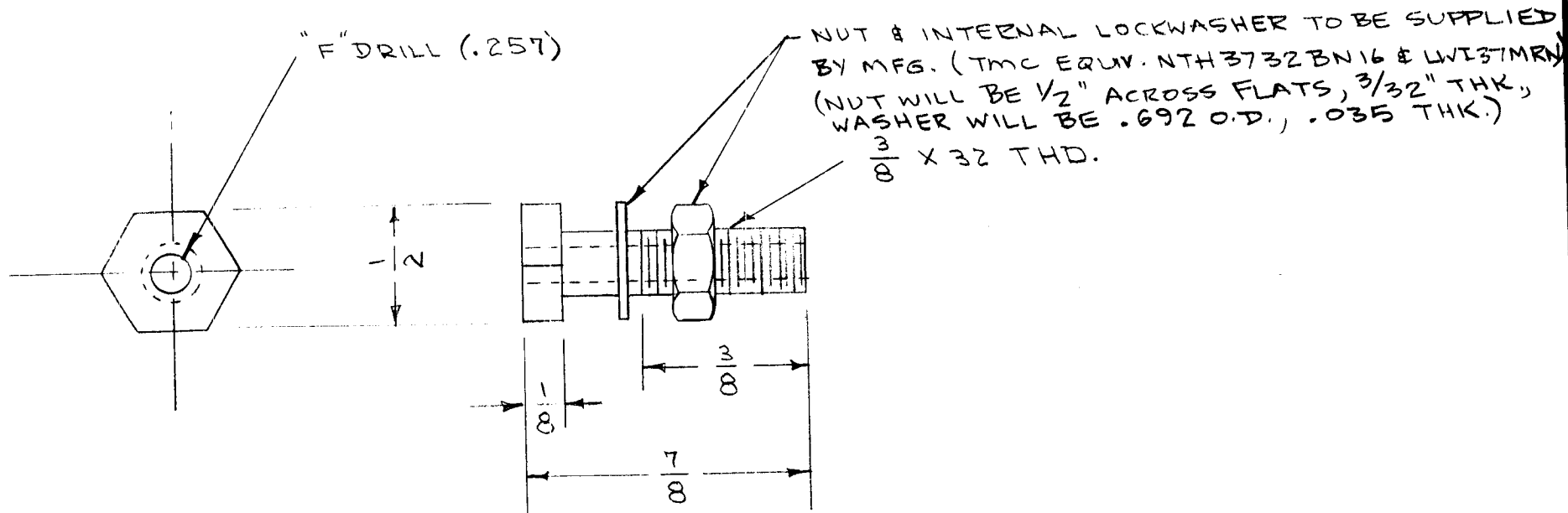
5

TAC-1

132

A-672
A-673

12-30-53



REQ.	ITEM	PART NO.	DESCRIPTION			SYMBOL
		1/2" HEX ROD	THE TECHNICAL MATERIEL CORP.			
		STOCK SIZE	MAMARONECK. NEW YORK			
		BRASS	PANEL BEARING			
		MATERIAL	TAC-1			
		WEIGHT PER PC.				
		FREE TURNING	C.D.D. 1/18/53	APB	USE	
		TYPE & TEMPER	DRAWN	ELEC. DES. APP.	MECH. DES. APP.	
			HADe	APB	USE	
		HEAT TREAT. SPEC.	CHECKED	FINAL APPROVAL		
		S-135 NICKEL PLATE		SM-124	B	
		FINISH & SPEC. NO.				

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
B	1	WASHER & TMC EQUIV. ADDED	4/9/57	2	16	MIL	AM
A	1	.257 WAS .250	1/18/53	1	C.D.D.	HADe	USE

TOLERANCES		SCALE
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ±1/64 ANGULAR DIM. ±	#

DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

SM-125 B

REQ
PER
UNIT

USED ON

MODEL

PROJECT NO.

ASS'Y. NO.

DATE

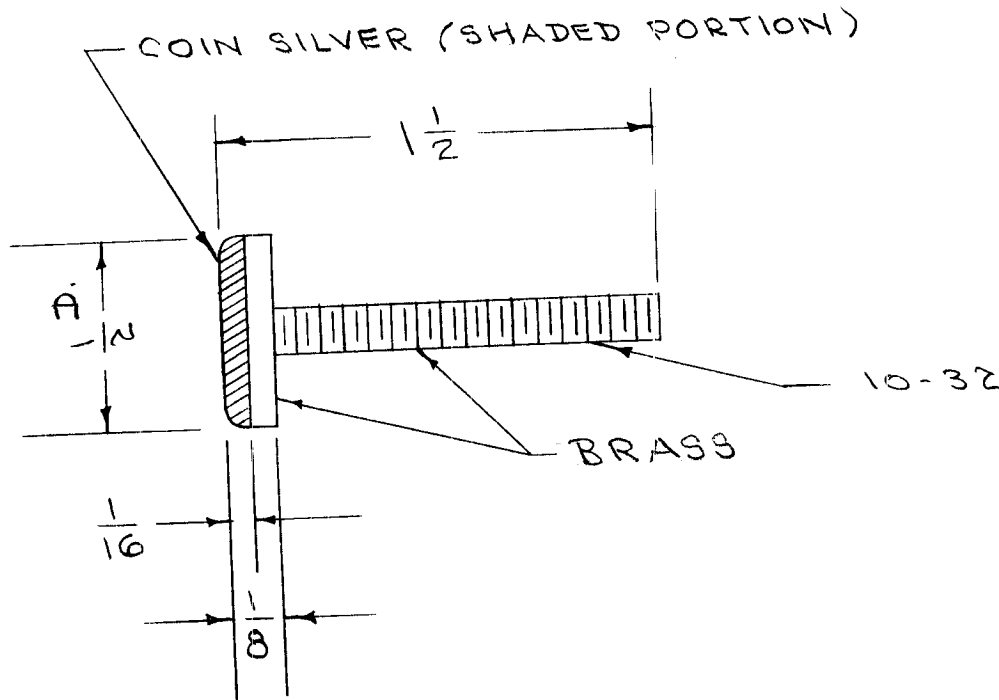
3

TAC-1

132

A-120
A-122

1-14-54



REF: GIBSON ELECTRIC CO.

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
B	1	1 1/2 WAS 1 3/8 O.A.	4/9/57	2	16	H. W. [Signature]	[Signature]
A	1	1 3/8 WAS 1 1/8 OVER ALL	3/9/54	1	16	J. D. [Signature]	W. [Signature]

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK	
		STOCK SIZE		
	BRASS	#	CONTACT	
	MATERIAL	WEIGHT PER PC.	TAC-1	
			C.D.D.	[Signature]
			DRAWN	ELEC. DES. APP. [Signature] MECH. DES. APP. [Signature]
			HEAT TREAT. SPEC.	
	SILVER	PLATE	CHECKED [Signature]	FINAL APPROVAL [Signature]
		FINISH & SPEC. NO.		
			SM-125	B

TOLERANCES

SCALE

DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.

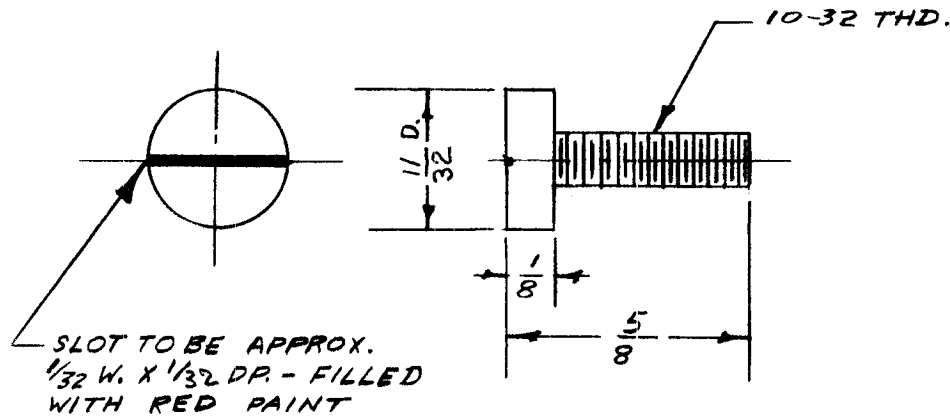
ALL OTHERS
DEC. DIM. ±
FRAC. DIM. ± 1/64
ANGULAR DIM. ±

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

SM-126

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

USED ON				
AMT. PER UNIT	MODEL	PROJECT NO.	ASS'Y. NO.	DATE
1	TAC-1			1-14-54



MODIFY SC-117

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		ff	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		STOCK SIZE		
		BRASS	DIAL INDICATOR	
		MATERIAL		
		WEIGHT PER PC.		
		ff		
		TYPE & TEMPER	16 1-14-54	
		ff	DRAWN	ELEC. DES. APP. MECH. DES. APP.
		HEAT TREAT. SPEC.	CHECKED	FINAL APPROVAL
		NICKEL PLATE(S-135)		SM-126
		FINISH & SPEC. NO.		

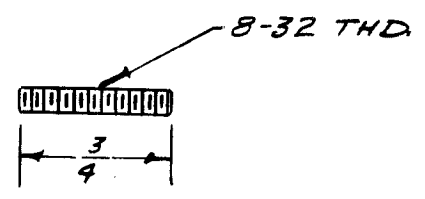
ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES		SCALE TWICE					
ALL OTHERS	DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±	DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.					

IF IT IS FOUND DESIRABLE TO CHANGE ANY TOLERANCE OR OTHER DETAIL SPECIFIED ON THIS DRAWING NOTIFY THE PURCHASER PROMPTLY.

SM-129

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

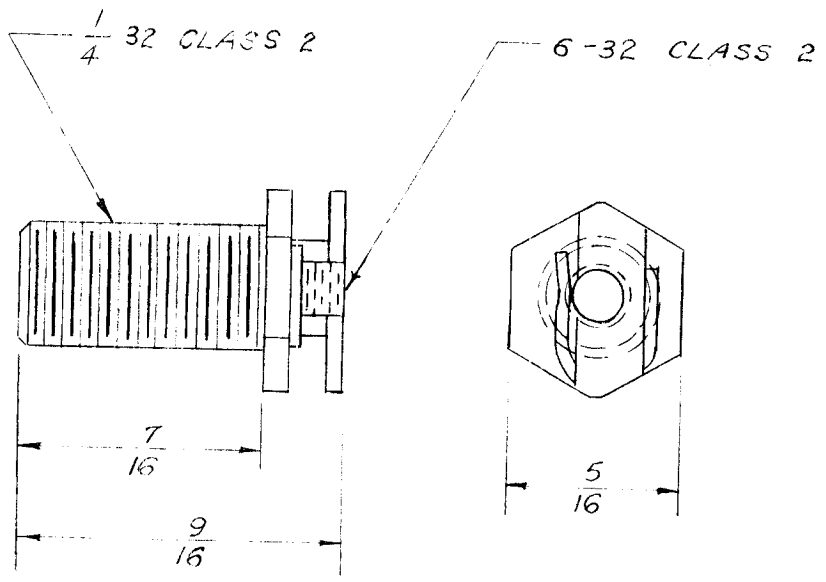
AMT. PER UNIT	MODEL	USED ON		
		PROJECT NO.	ASS'Y. NO.	DATE
1	TAC-1	132	A-718	1-12-54



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		8-32 THD.	THE TECHNICAL MATERIEL CORP.	
		STOCK SIZE	MAMARONECK, NEW YORK	
		BRASS	SPARK CAP HOLDER	
		MATERIAL	TAC-1	
		WEIGHT PER PC.		
		TYPE & TEMPER	6	
		HEAT TREAT. SPEC.	ORP	
		FINISH & SPEC. NO.	ORP	
			CHECKED	
			FINAL APPROVAL	
			SM-129	

ISSUE	ITEM	CHANGED FROM	DATE	CN. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES			SCALE				
ALL OTHERS			DRILL, PUNCH, COMMERCIAL STOCK SIZES AND MANUFACTURERS TOLERANCES ARE NOT INCLUDED.				
DEC. DIM. ±							
FRAC. DIM. ±							
ANGULAR DIM. ±							

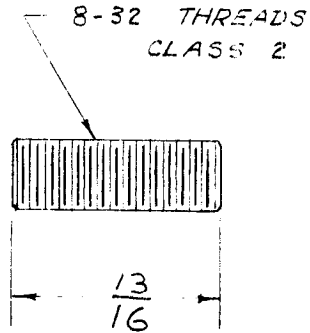
REQ. PER UNIT	USED ON			SM-130
	MODEL	ASS'Y. NO.	DATE	



REF: P/O T.M.C. DWG. NO. PO-101

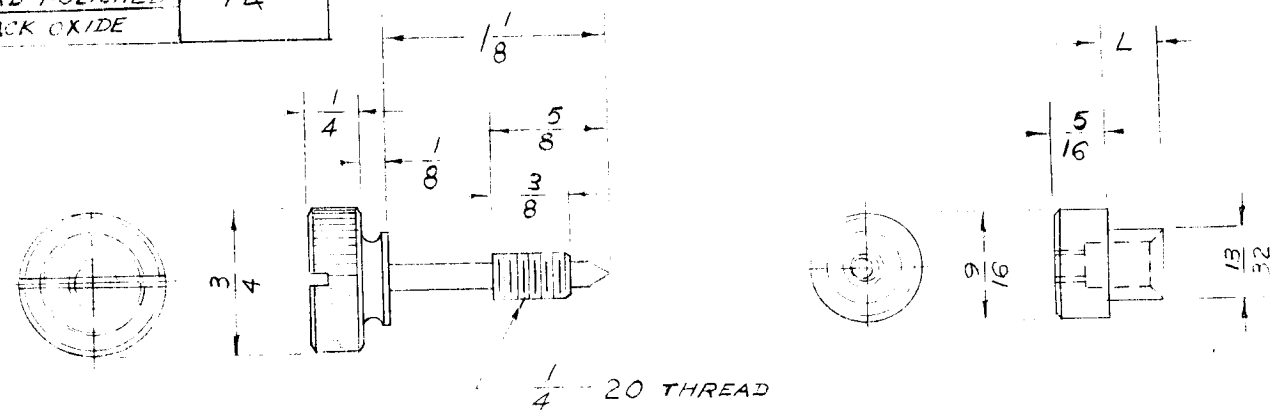
ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL		
										THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK BUSHING SLUG, MOUNT			
TOLERANCES								MATERIAL					
DEC. DIM. \pm FRAC. DIM. \pm ANGULAR DIM. \pm								SCALE: MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES					
								TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL	
								FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.	SM-130	

REQ. PER UNIT	USED ON			SM-132
	MODEL	ASS'Y. NO.	DATE	
2	RTM			

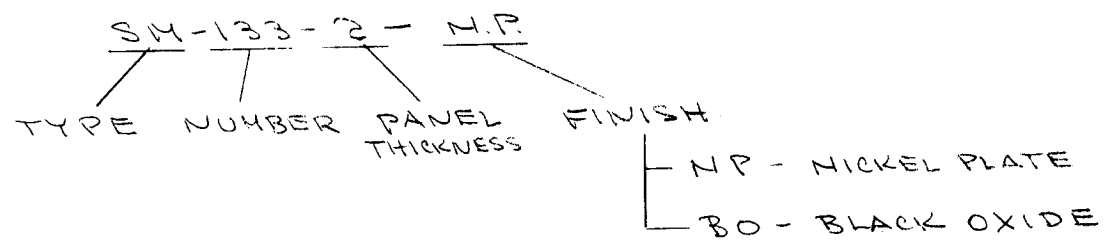


ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL			
										THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK SPARK GAF STUD MODULATOR				
									STOCK SIZE					
									BRASS					
									MATERIAL					
TOLERANCES			SCALE:							PL	JAS	A. J. J.		
DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±			MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES							TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPR VAL
										FINISH & SPEC. NO.	ELEC. DES. APP.	MECH. DES. APP.	SM-132	

T.M.C. NO.	PART. NO.	L	FINISH	PANEL THICKNESS	REQ. PER UNIT	USED ON			SM-133	A
						MODEL	ASS'Y. NO.	DATE		
SM-133-1	X1786-A	$\frac{5}{32}$	NICKEL PLATE	$\frac{1}{8}$	2	A-959		4/27/58		
	X1786-A-BO		HEAD POLISHED		2	A-1279		5-21-58		
			BLACK OXIDE		2	RTF		5-23-58		
SM-133-2	X1786-F	$\frac{1}{32}$	NICKEL PLATE	$\frac{3}{16}$						
	X1786-F-BO		HEAD POLISHED							
			BLACK OXIDE							
SM-133-3	X1786-C	$\frac{9}{32}$	NICKEL PLATE	$\frac{1}{4}$						
	X1786-C-BO		HEAD POLISHED							
			BLACK OXIDE							



TYPE DESIGNATION TO BE IN FOLLOWING FORM

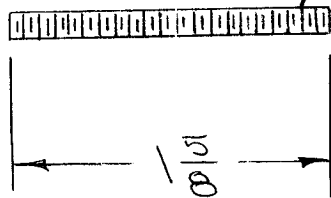


REF: CAMBRIDGE THERMIONIC CORP

							REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL	
									THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK		
								STOCK SIZE	PANEL SCREW, CAPTIVE		
								MATERIAL			
A	TYPE DES. ADDED	11/21/55	1	COS	JND	A.J.J.					
ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.				
TOLERANCES			SCALE:						13 10-7-55	JND	A.J.J.
DEC. DIM. ±			MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES				TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
FRAC. DIM. ±											
ANGULAR DIM. ±							FINISH & SPEC. NO.	ELEC. DES. APP.	MECH. DES. APP.		
										SM-133	A

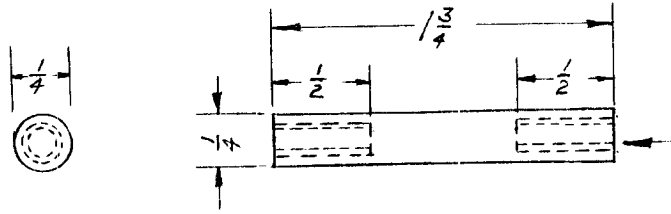
REQ. PER UNIT	USED ON			SM-136
	MODEL	ASS'Y. NO.	DATE	
2	GPR		1-24-56	

5-40 THDS.
CL. 2 AFTER PLATING.



ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL	
								ROD		THE TECHNICAL MATERIEL CORP.		
								STOCK SIZE		MAMARONECK, NEW YORK		
								BRASS		STUD		
								MATERIAL		GPR		
								FREE TURNING		CD. 1/4/56		
								TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
								S-105 CAD. PLATE				
								.0002				
								FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.	
												SM-136

REQ. PER UNIT	USED ON			SM-137
	MODEL	ASS'Y. NO.	DATE	
2	TRU			



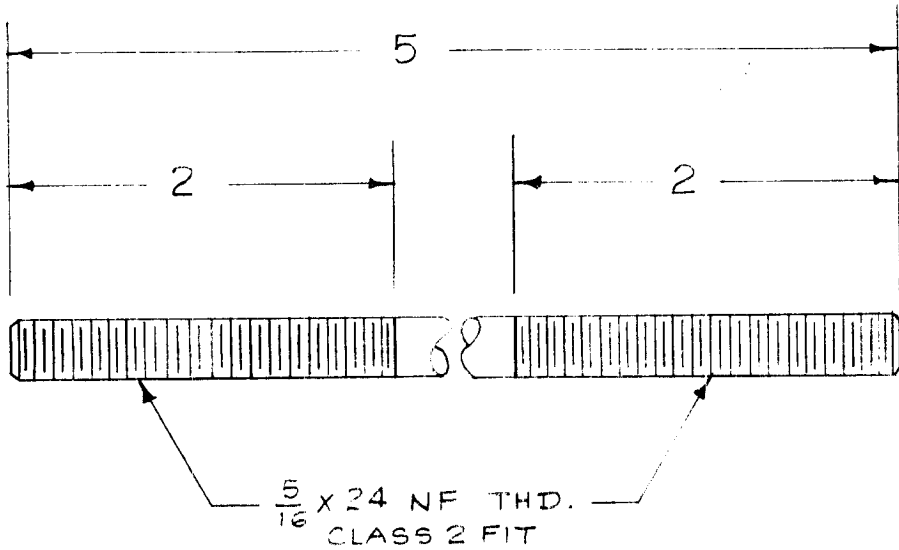
DRILL & TAPPED 6-32 X 1/2 DEEP CLASS 2 ON BOTH ENDS.

ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL	
								1/4 D ROD		THE TECHNICAL MATERIEL CORP.		
								STOCK SIZE		MAMARONECK. NEW YORK		
								ALUMINUM		SPACER		
								MATERIAL				
								2011-T3				
								TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
								S101 CAUSTIC DIP				
								S107 LACQUER				
								FINISH & SPEC. NO.	ELEC. DES. APP.	MECH. DES. APP.		
												SM-137

DEC. DIM. ±
 FRAC. DIM. ±
 ANGULAR DIM. ±

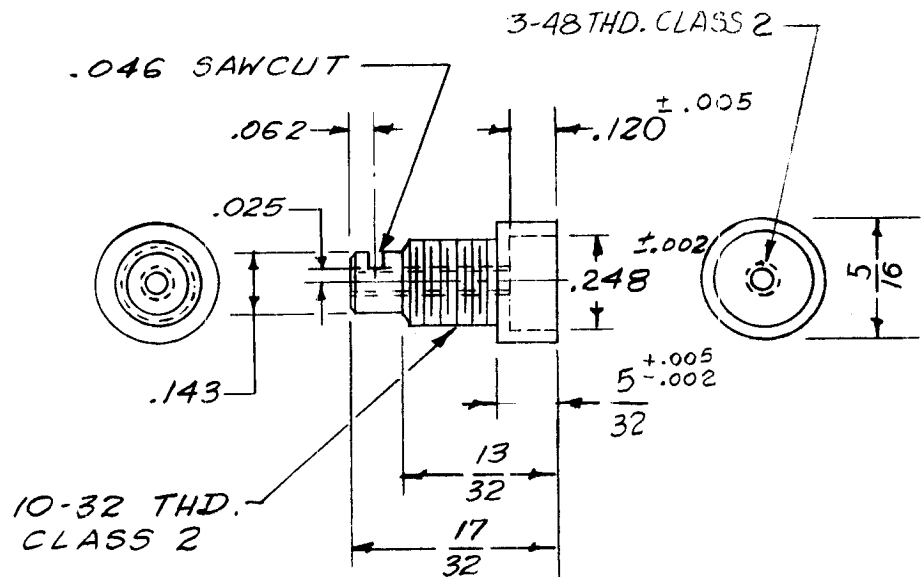
SCALE:
 MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTI N.
 REM VE ALL BURRS AND SHARP EDGES

REQ. PER UNIT	USED ON			SM-138	A
	MODEL	ASS'Y. NO.	DATE		
6	TER-5000	A-1431(8)	3-21-57		



ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
										THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK	
									STOCK SIZE	STUD, PLAIN	
A	1	FINISH WAS S-107 LACQUER	6/9/59	-	PI	HQ	DM		ALUMINUM	SPRING GUIDE (TER-5000)	
									MATERIAL		
								2024-T4	#	6 3-21-57	
									TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN
									S404 YELLOW IRIDITE		CHECKED
									FINISH & SPEC. NO.	ELEC. DES. APP.	MECH. DES. APP.
											SM-138
											A

Note - All dimensions shown are after plating.

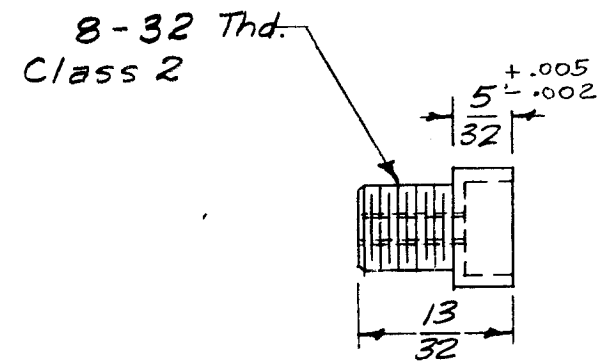


SM-140-1
(With Spring Lock Keyway Section)

Ref. CTC x2011

REQ. PER UNIT	USED ON		
	MODEL	ASS'Y. NO.	DATE
	SBE-1		8/7/57
8	SBE-2		5-5-58
6	SBE-3 AX-205	TT-100	12-2-54
12	GPR-92		10-29-62

SM-140 D

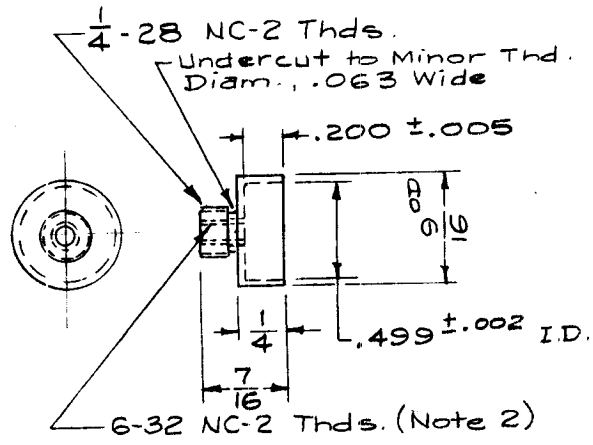


All Dimensions Are the Same as SM-140-1

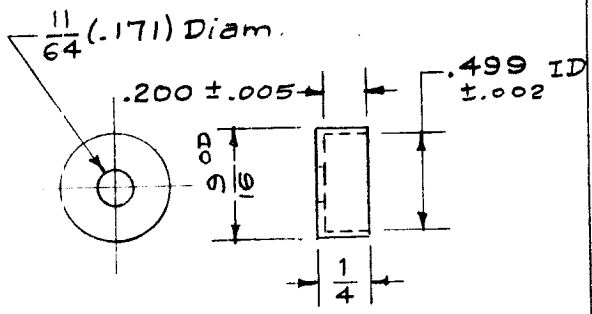
SM-140-2
(w/o Spring Lock Section)

Ref-CTC

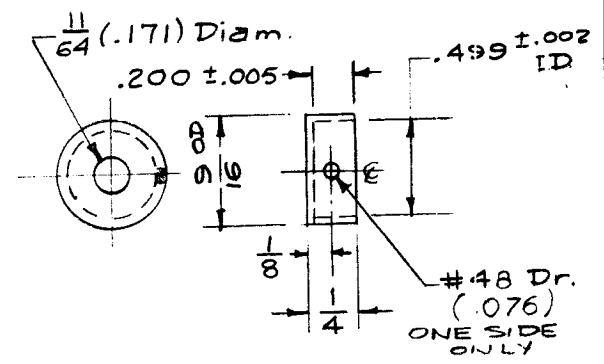
REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			STOCK SIZE	
			BRASS	
			MATERIAL	
			16 8/6/57	
			DRAWN	
			CHECKED	
			FINAL APPROVAL	
			S135 NICKEL PLATE	
			FINISH & SPEC. NO.	
			ELEC. DES. APP.	
			MECH. DES. APP.	
			SM-140	D



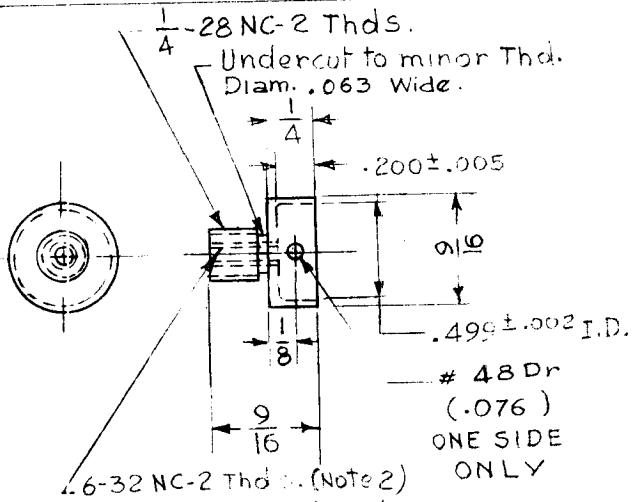
SM-143-1



SM-143-2



SM-143-3



SM-143-4

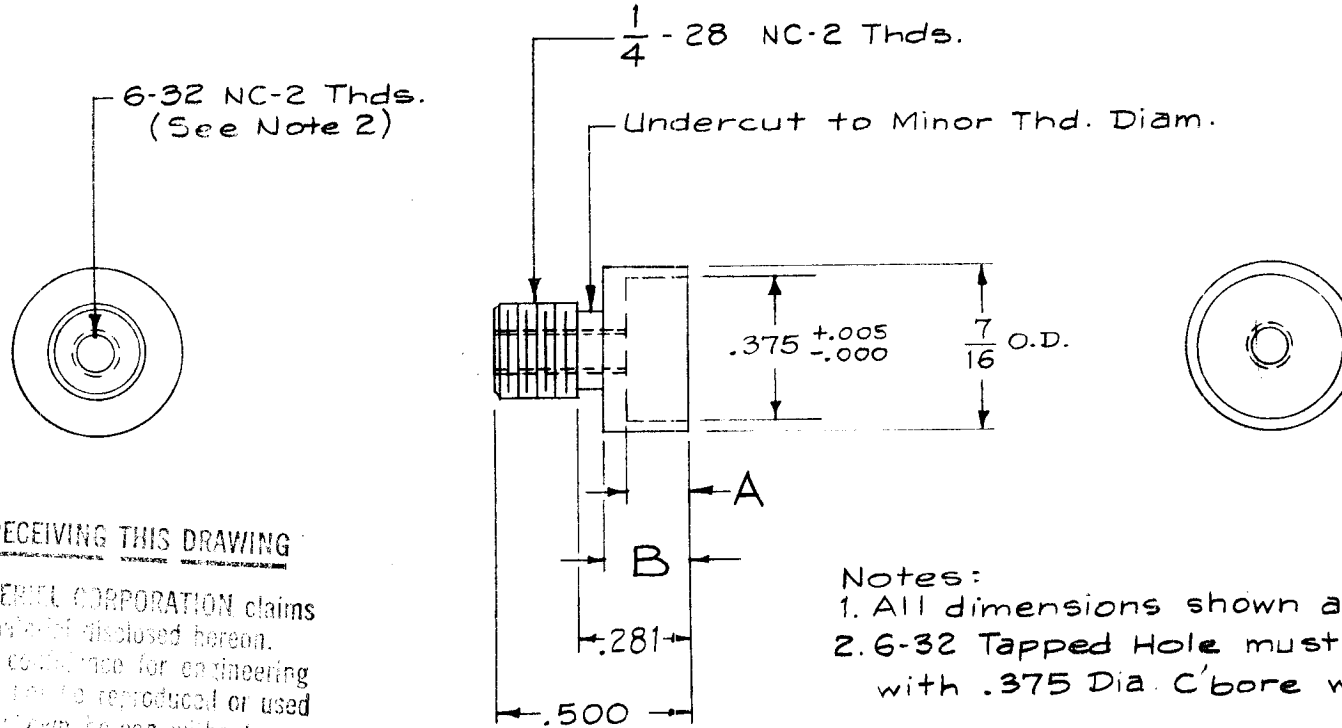
Notes:
 1) All dimensions shown after plating.
 2) 6-32 Tapped Hole must be concentric with 9/16 O.D.

REQ.	ITEM	PART NO.	DESCRIPTION			SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK			
			BUSHING, COIL MOUNTING			
			(1/2")			
			MATERIAL			
B	2	SM-143-4 ADDED	7-18-61	5232	GDL	9/18/61
A	1	ON SM-143-3 #47 DR. (.076) WAS #48 DR. (.076) REDRAWN - SM-143-3 ADDED	3/28/58	1	16	1/28/58
ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER
TOLERANCES			SCALE: FULL			
DEC. DIM. ±			MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.			
FRAC. DIM. ± 1/64			REMOVE ALL BURRS AND SHARP EDGES			
ANGULAR DIM. ±						
TYPE & TEMPER		HEAT TREAT. SPEC.	RE-DRAWN	CHECKED	FINAL APPROVAL	
5105 Cadmium Plate		.0005	16 3/28/58	1/28/58	SM-143	
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.	B		

TMC P/N	A	B
SM145	.156	.218
SM145-2	.125	.187

REQ. PER UNIT	USED ON		SM 145	C
	MODEL	ASS'Y. NO.		
	STD			

STANDARD DRAWING



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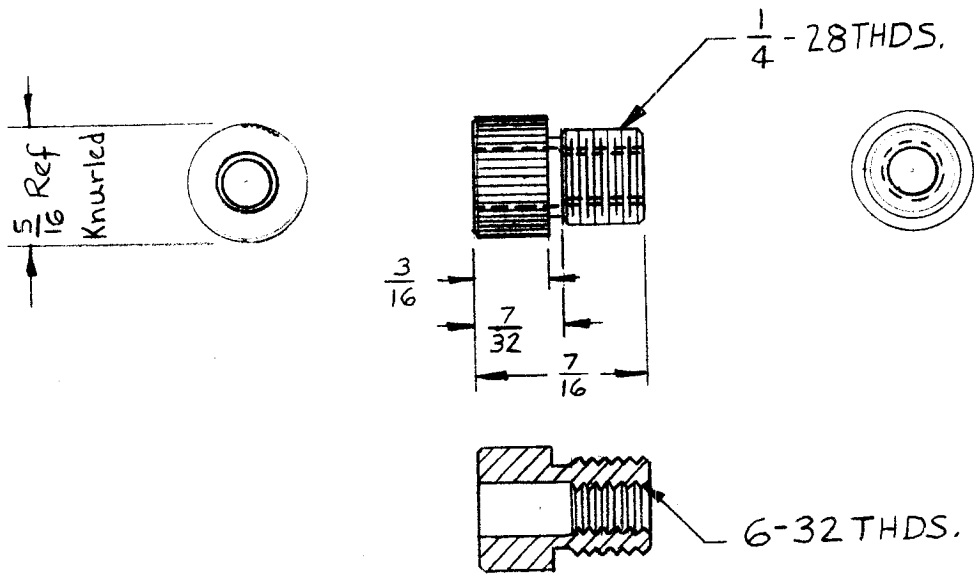
Notes:

1. All dimensions shown after plating.
2. 6-32 Tapped Hole must be concentric with .375 Dia. C bore within $\pm .001$

THE TECHNICAL MATERIEL CORPORATION
MAMARONECK, N.Y.

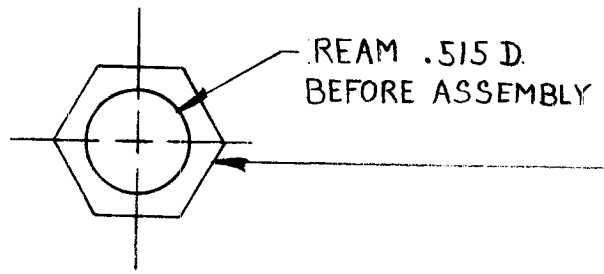
REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
C	TOL. WAS .003 ON .375	3-11-66 15898	WFW
B	1. FINISH WAS: S105 CADMIUM PLATE .0003.	2-15-65 13577	ST
A	2 ON PICT. 'A' WAS .156, 'B' WAS .218 1 TMC P/N CHART ADDED	10-30-64 12831	JWS
ISSUE	ITEM	CHANGED FROM	DATE CH. NO. DRAFTS CHECKER ENG. APP.
TOLERANCES		SCALE: 2X	
DEC. DIM. $\pm .005$ FRAC. DIM. $\pm 1/64$ ANGULAR DIM. \pm		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REM VE ALL BURRS AND SHARP EDGES	
MATERIAL		TYPE & TEMPER HEAT TREAT. SPEC.	
Brass		S135 NICKEL PLATE	
FINISH & SPEC. NO.		ELEC. DES. APP. MECH. DES. APP.	
		163-13-58	
		DRAWN CHECKED	
		FINAL APPROVAL	
		SM 145 C	

REQ. PER UNIT 1	USED ON			SM-146	A
	MODEL TIS-3	ASS'Y. NO.	DATE 11-18-60		

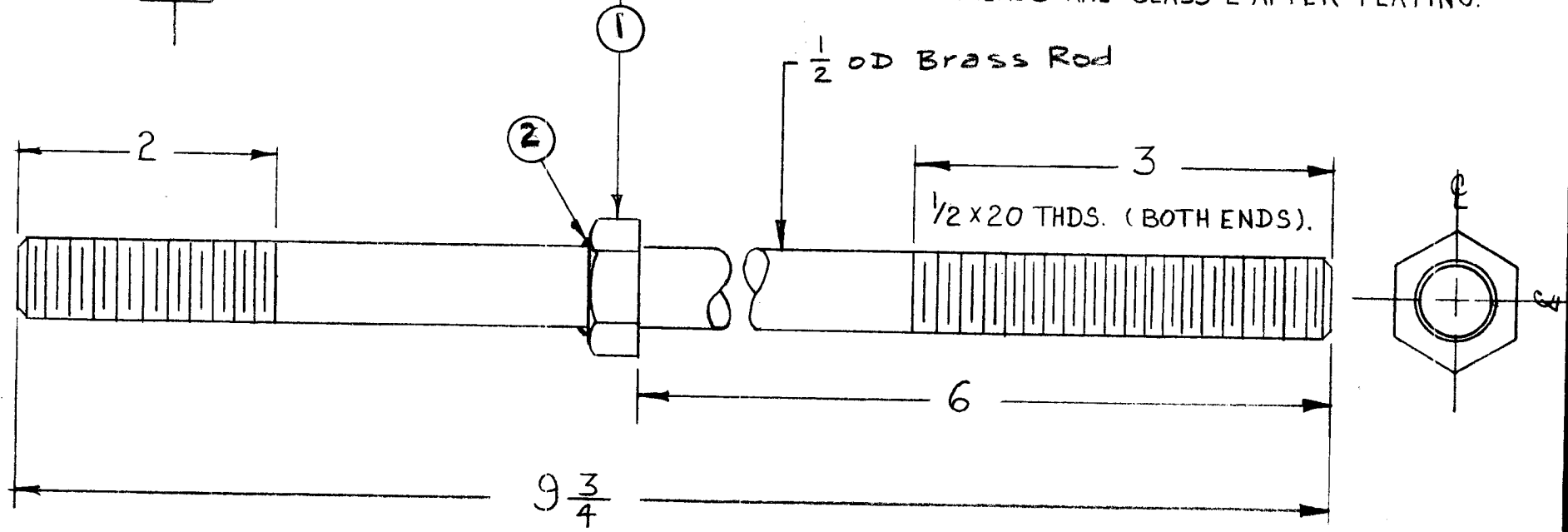


								REQ.	ITEM	PART NO.	DESCRIPTION			SYMBOL					
											THE TECHNICAL MATERIEL CORP.								
								STOCK SIZE			MAMARONECK, NEW YORK								
											BUSHING, COIL FORM								
								MATERIAL											
A	2	DIMENSIONING ADDED	11-18-60	3524	RU						16	12/22/58							
	1	DWG REINSTATED																	
ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.						FINAL APPR VAL						
TOLERANCES			SCALE: 2X																
DEC. DIM. ±			MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES					TYPE & TEMPER		HEAT TREAT. SPEC.		DRAWN		CHECKED					
FRAC. DIM. ±																			
ANGULAR DIM. ±																			
								FINISH & SPEC. NO.		ELEC. DES. APP		MECH. DES. APP		SM-146	A				

REQ. PER UNIT 4	USED ON			SM-147
	MODEL AX-192	ASS'Y. NO.	DATE 3-11-60	



THREADS ARE CLASS 2 AFTER PLATING.

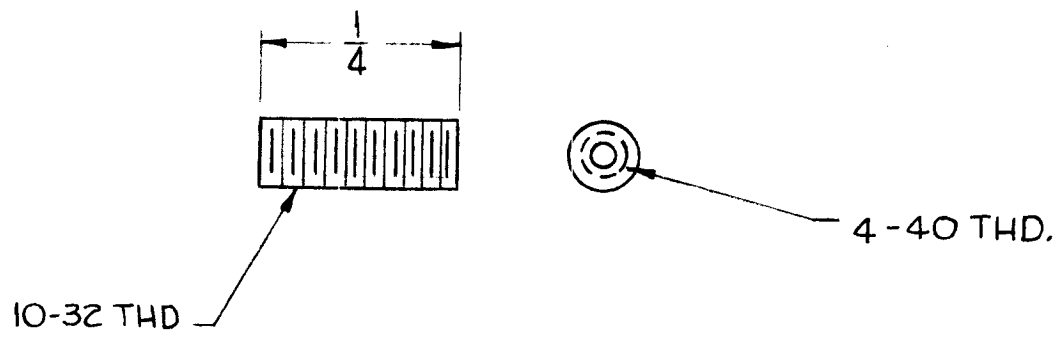


FINISH - S 145 - SILVER PLATE .0005
S 423 - IRIDITE

X	2	BS-101	SOLDER, SILVER	
1	1	NTH5020BC24	NUT, HEX, MODIFIED (SEE DETAIL)	
REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		1/2 D.	THE TECHNICAL MATERIEL CORP.	
		STOCK SIZE	MAMARONECK, NEW YORK	
		BRASS	ANTENNA STUD ASS'Y.	
		MATERIAL	(METER KIT)	
		FREE TURNING	<i>M.F.</i>	<i>02 B</i>
		TYPE & TEMPER	<i>file</i>	
		HEATTREAT. SPEC.	<i>APC</i>	FINAL APPROVAL
		SEE NOTE		SM-147
		FINISH & SPEC. NO.	ELEC. DES. APP	MECH. DES. APP

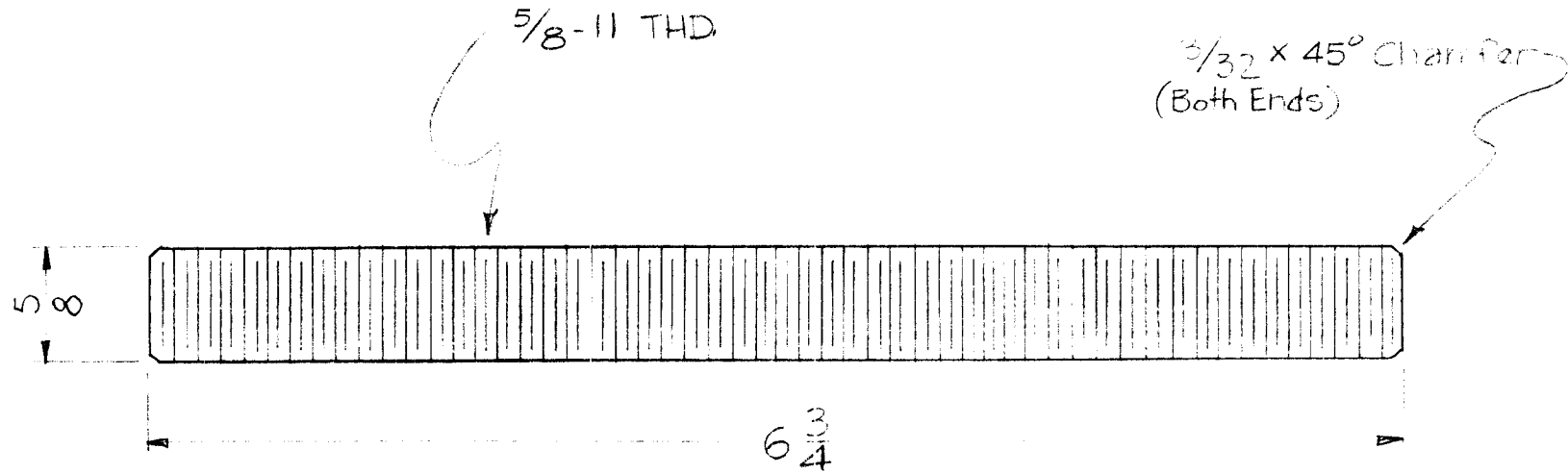
ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES			SCALE:				
DEC. DIM. ±			MAXIMUM ALLOWABLE TOLERANCES HAVE				
FRAC. DIM. ± 1/64			BEEN DETERMINED AND ANY DEVIATIONS				
ANGULAR DIM. ±			WILL BE CAUSE FOR REJECTION:				
			REMOVE ALL BURRS AND SHARP EDGES				

REQ. PER. UNIT	USED ON			SM-148
	MODEL	ASS'Y. N.	DATE	
1	GPR-9Z	A-2120	9-14-61	



ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL	
											THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK BUSHING, COIL MTG.		
								STOCK SIZE					
								RESINITE TRUE TORK PHENOLIC PAPER					
								MATERIAL					
TOLERANCES			SCALE:										
DEC. DIM. ± FRAC. DIM. ± ANGULAR DIM. ±			MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES										
								TYPE & TEMPER	HEAT TREAT. SPEC.				
								FINISH & SPEC. NO.					
								ELEC. DES. APP		MECH. DES. APP			
													SM-148

REQ. PER UNIT	USED ON			SM-149
	MODEL	ASSY. NO.	DATE	
1	VRA-5		9-8-61	
1	VRA-6		9-8-61	



PASSIVATE AFTER ALL MACHINING

				REQ. ITEM	PART NO.			DESCRIPTION			SYMBOL								
				5/8 Dia. Thded Rod					THE TECHNICAL MATERIEL CORP.										
				STOCK SIZE					MAMARONECK, NEW YORK										
				Stainless Steel					STUD, INSULATOR										
				MATERIAL															
ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.												
TOLERANCES			SCALE: S-401-135																
DEC. DIM. ±			MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES					TYPE & TEMPER		HEATTREAT. SPEC.		DRAWN		CHECKED		FINAL APPROVAL			
FRAC. DIM. ±								S-104		PASSIVATE		G.R.							
ANGULAR DIM. ±								FINISH & SPEC. NO.		ELEC. DES. APP		MECH. DES. APP		SM-149		Ø			

THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

REQ. PER UNIT

2

MODEL

TRC-20K

USED ON

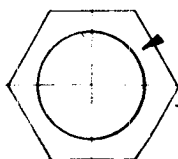
ASS'Y. NO.

DATE

10-24-61

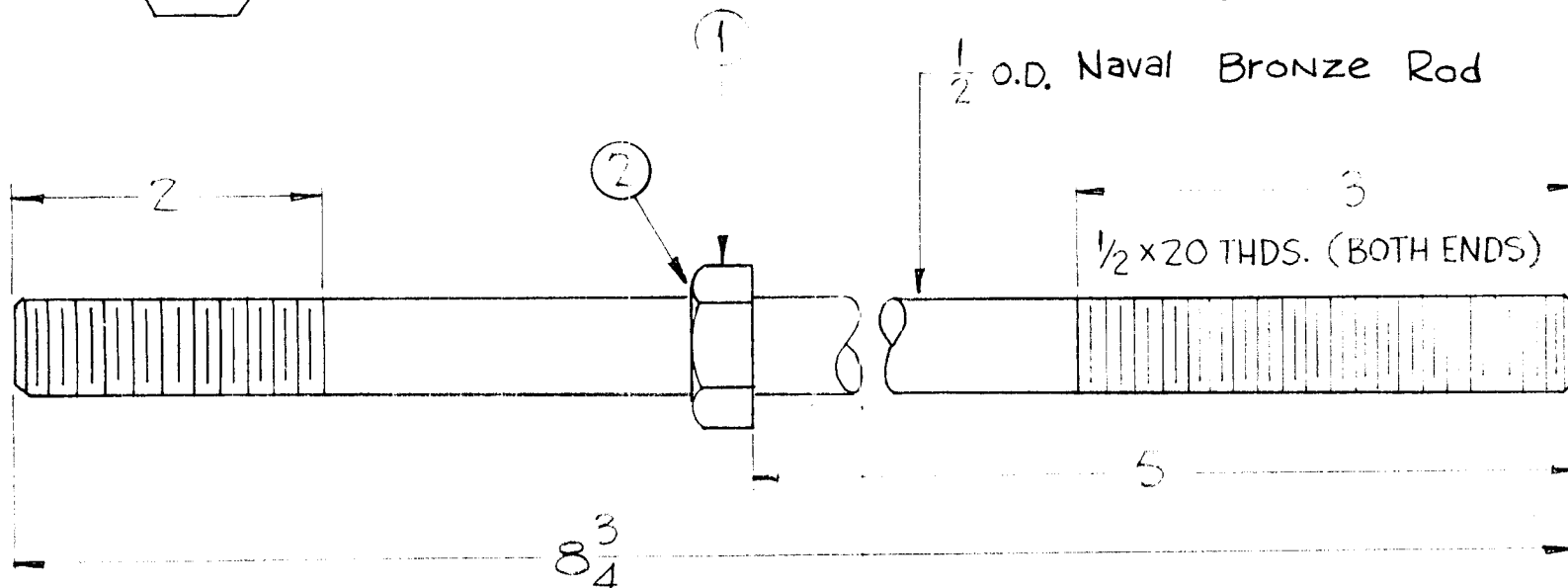
SM-150

A



-REAM .515 Dia. BEFORE ASSEMBLY

THREADS ARE CLASS 2 AFTER PLATING



FINISH ~ S145-SILVER PLATE .0005
S423-IRIDITE

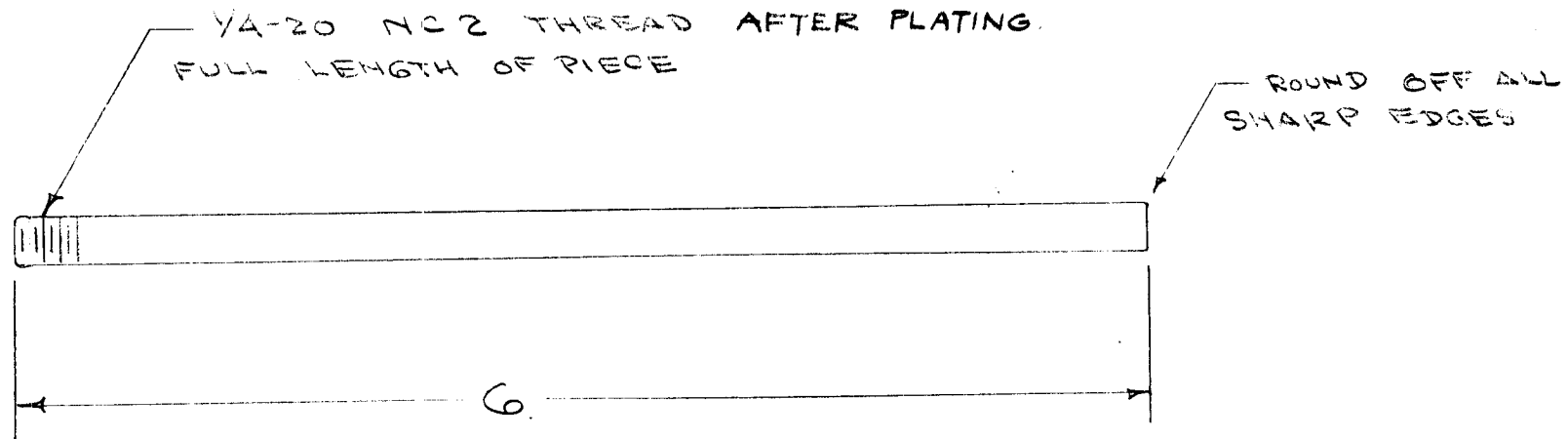
X	2	BS-101	SOLDER, SILVER
1	1	NTH5020NR24	NUT, HEX, MODIFIED (SEE DETAIL)

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
A	MODEL No. was 4-Ax-192 Material was BRASS Item ① was NTH5020BC24	11-15-61	5889	E.B.	<i>[Signature]</i>	<i>[Signature]</i>			1/2" D. STOCK SIZE	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
									NAVAL BRONZE	STUD, OUTPUT ASS'Y. 600Ω	
									MATERIAL		
									FREE TURNING	<i>[Signature]</i>	<i>[Signature]</i>
									TYPE & TEMPER	CHECKED	FINAL APPROVAL
									HEATTREAT. SPEC.		
									SEE NOTE		
									FINISH & SPEC. NO.	ELEC. DES. APP.	MECH. DES. APP.
											SM-150
											A

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRAC. ± 1/64 DEC. ± .005 ANGLES ± 1/2°

SCALE:
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.
REMOVE ALL BURRS AND SHARP EDGES

REQ. PER UNIT	USED ON			SM-134	A
	MODEL	ASS'Y. NO.	DATE		
2	TER-3500		12-9-55		
1	TER-5000	A-1431(8)	3-21-57		



Finish- S-105 - Cadmium Plate .0003
S-423 - Iridite

ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL	
								1/4-20 THD. ROD		THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK		
								STOCK SIZE			STUD, INSULATOR	
A	1	Finish Added	6/9/59		J.C.B.	J.S.E.	AM	BRASS				
TOLERANCES								MATERIAL				
DEC. DIM. ±			SCALE:					FREE TURNING	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
FRAC. DIM. ± 1/64			MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES					See Note				SM-134
ANGULAR DIM. ±												

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REQ. PER UNIT

2

USED ON

MODEL

GPR-92

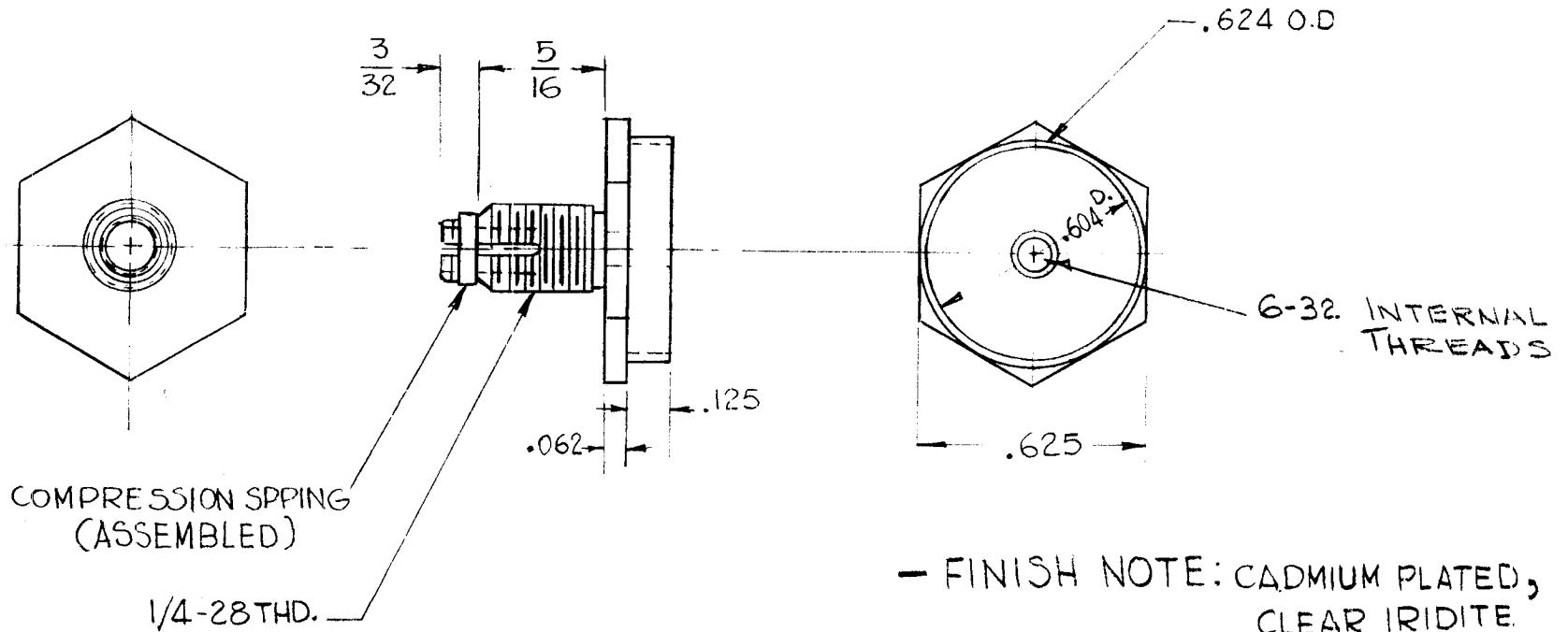
ASS'Y. NO.

DATE

11-1-62

SM-157

NOTE: ALL DIMENSIONS ARE SHOWN AFTER PLATING

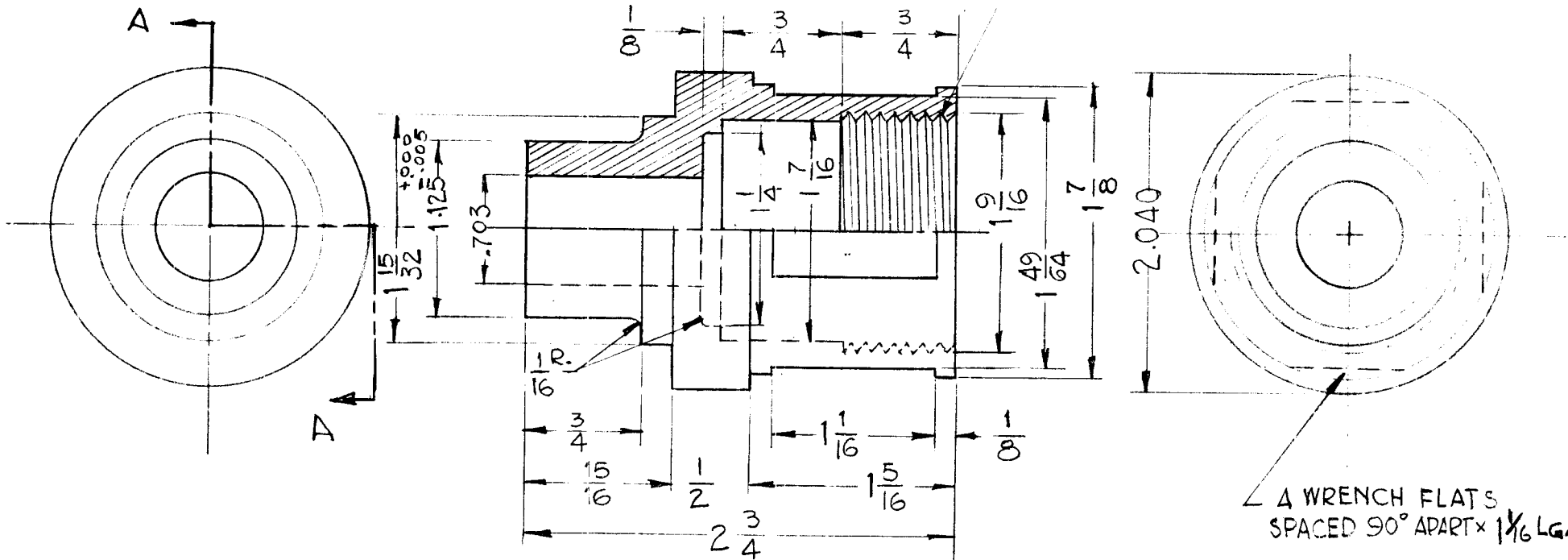


REF: CAMBION No 1662-1-02

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	STRUMER	DESCRIPTION	SYMBOL
									THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
								STOCK SIZE	BUSHING, COIL MTG		
								BRASS			
								MATERIAL			
								1/2 HARD	G D L	J L Q	J M A
								TYPE & TEMPER	CHECKED	FINAL APPROVAL	
								HEAT TREAT. SPEC.	J M A	J M P	SM-157
								FINISH & SPEC. NO.	LEC. DES. APP.	MECH. DES. APP.	
								UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	SCALE DO NOT SCALE		
								DECIMALS .X ± .05 .XX ± .01 .XXX ± .005			
								FRACTIONS ± 1/64 ANGLES ± 0° 30'			
								TOLERANCES			

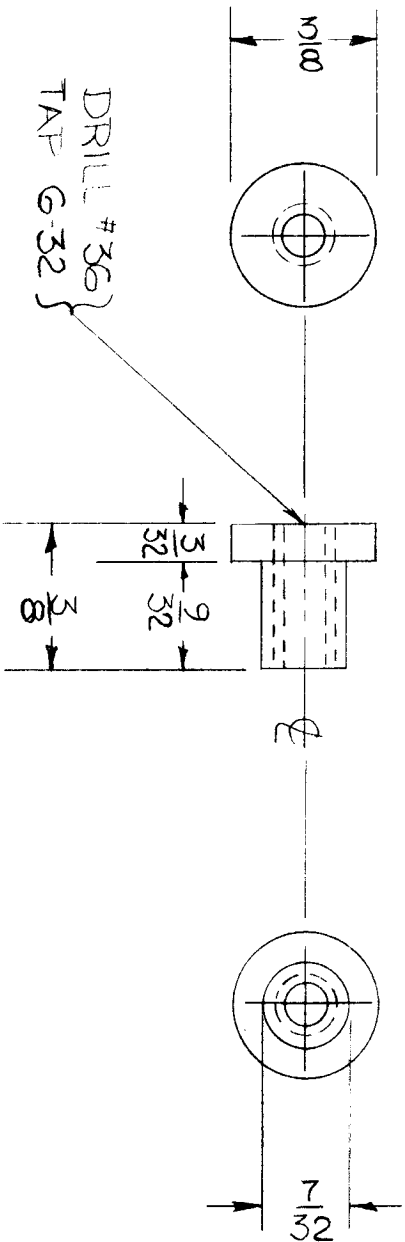
REQ. PER UNIT	USED ON			SM-159
	MODEL	ASS'Y. N.	DATE	
1	TCA-85/EIA-51625		8-5-63	

— 1 ⁹/₁₆ x 16 THREADS CLASS 2



							REQ. ITEM	PART NO.	A-MARTINENG	DESCRIPTION	SYMB L
									THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
								STOCK SIZE	CONNECTOR, SLEEVE		
								BRASS			
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	MATERIAL				
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	SCALE	1:1				FREE MACHINING	G.D.L	9/14/63	30	
							TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE				S105 BRIGHT CADMIUM PLATE - .0002			9/16/63	SM-159
							FINISH & SPEC. NO.	ELEC. DES. APP.	MECH. DES. APP.		

APPLICATION		REVISIONS							
QTY	MODEL USED ON	ASS'Y NO.	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
28	MMXR-2B	AY791	Ø	ORIGINAL RELEASE FROM...	6-17-78			SVL	WPE
28	CHGR								*

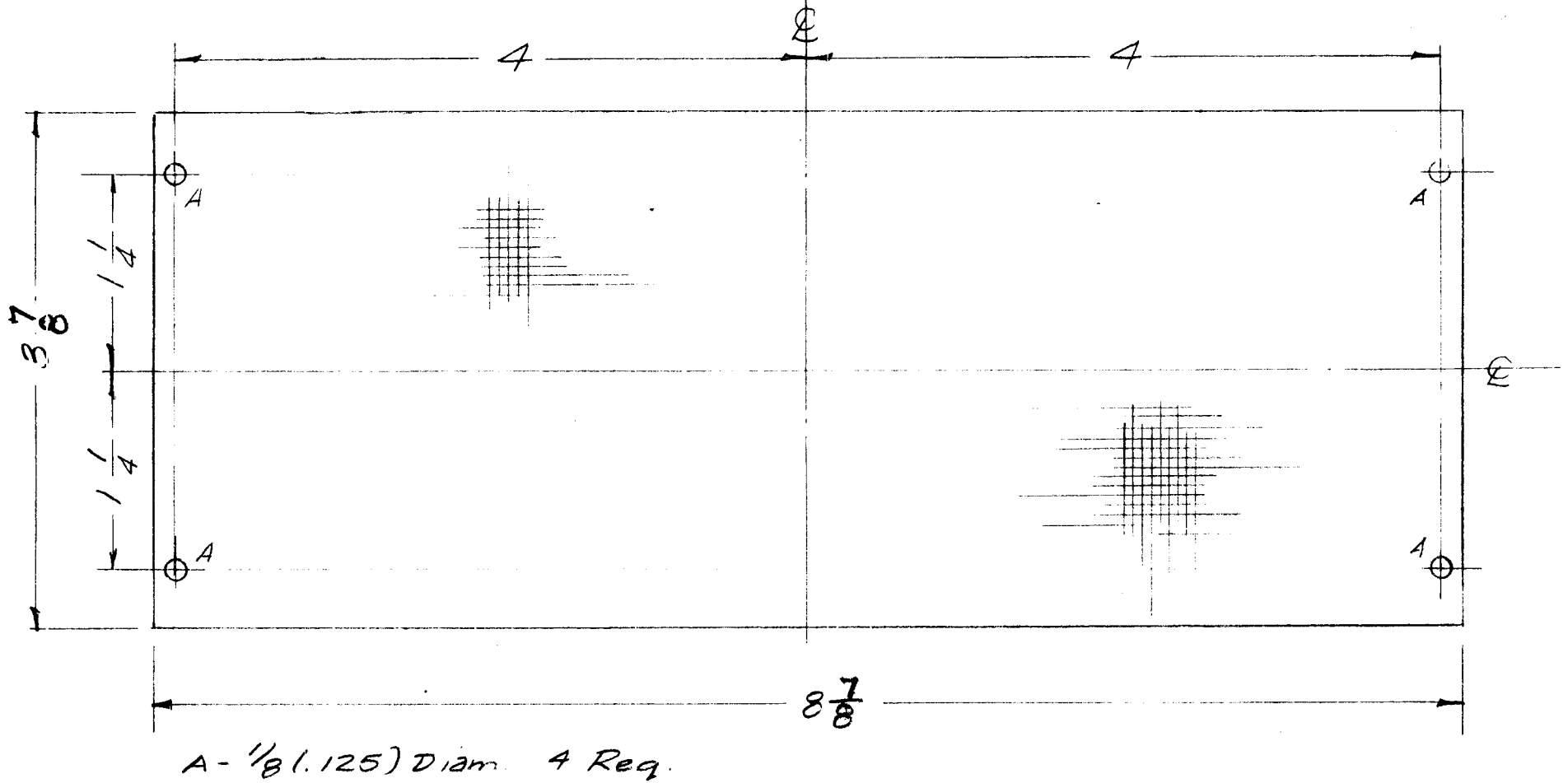


REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
LIST OF MATERIAL				
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
DECIMALS						
.X ± .05	TOLS.					
.XX ± .01	ANGLES					
.XXX ± .005	FRACTIONS					
	1/64					
	° 30'					
MATERIAL	ALUMINUM	FINAL APPROVAL	OR B	DATE	8/2/78	
FINISH		MECH. DES.		DATE	11-29-77	
		ELECT. DES.		DATE		
		CHECKED	OR B	DATE	11/8/77	
		DRAWN	PH	DATE	10-24-77	

NOTICE TO PERSONS RECEIVING THIS DRAWING				SCALE	SHEET	OF	ISSUE
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SIZE	CODE IDENT. NO.	DWG NO.					
A	82679	SM 160					

REQ. PER UNIT	USED ON			SN-100	B
	MODEL	ASS'Y. NO.	DATE		
1	ATS ⁵⁰ / ₇₀ TU	A-1510	3-5-58		
1	ATS-50(70) TU-2		6-19-58		



REQ.	ITEM	PART NO.	DESCRIPTION				SYMBOL
		No. 26 (.018) Wire	THE TECHNICAL MATERIEL CORP.				
		STOCK SIZE	MAMARONECK, NEW YORK				
B	1	COPPER	SCREEN, DESICCANT COVER				
		MATERIAL					
A	1	14 x 14 MESH	16 3/5/58				
		TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL	
		5-404 YELLOW IRIDITE					
		FINISH & SPEC. NO.	ELEC. DES. APP.	MECH. DES. APP.			
ISSUE		CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES		SCALE: FULL					
DEC. DIM. ±		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.					
FRAC. DIM. ± 1/64		REMOVE ALL BURRS AND SHARP EDGES					
ANGULAR DIM. ±							