

N86-15730



DOE/NASA/0153-4
NASA CR-174737
84AEPD004

Mod-5A Wind Turbine Generator Program Design Report

**Volume IV—Drawings and Specifications
Book 5**

General Electric Company
(Advanced Energy Programs Department)

August 1984

Prepared for
National Aeronautics and Space Administration
Lewis Research Center
Cleveland, Ohio 44135
Under Contract DEN 3-153

for
U.S. DEPARTMENT OF ENERGY
Conservation and Renewable Energy
Division of Wind Energy Technology
Washington, D.C. 20545
Under Interagency Agreement DE-AI01-79ET20305

REPRODUCED BY
U.S. DEPARTMENT OF COMMERCE
NATIONAL TECHNICAL
INFORMATION SERVICE
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Printed in the United States of America

Available from:

National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road
Springfield, VA 22161

Volume I, Executive Summary

Volume I contains an overview of the MOD-5A Program. These topics are covered:

- Objectives of the MOD-5A Program
- Description of the Final Design (Model 304.2)
- Cost of Energy
- Power Output
- Trade-Off Studies
- Development Tests
- Analyses of Loads and Dynamics
- Manufacturing and Quality Assurance and Safety Plans

Volume II, Conceptual and Preliminary Design

These sections comprise Volume II, which is divided into two books, as follows:

- Book 1
- 1.0 Summary
 - 2.0 Introduction
 - 3.0 Design Requirements
 - 4.0 Conceptual Design Studies
 - 5.0 Design, Development, and Optimization
 - 6.0 System Dynamics Analysis
 - 7.0 System Loads Analysis

- Book 2
- 8.0 Development Tests
 - 9.0 Design Criteria
 - Appendix A System Specification
 - Appendix B Design Load Tables

Volume III, Final Design and System Description

These sections comprise Volume III, which is divided into two books, as follows:

- Book 1
- 1.0 Summary
 - 2.0 Introduction
 - 3.0 System Description - Model 304.2
 - 4.0 Rotor Subsystem
 - 5.0 Drivetrain Subsystem
 - 6.0 Nacelle Subsystem
 - 7.0 Tower and Foundation Subsystems

<u>Book 2</u>	8.0	Power Generation Subsystem
	9.0	Control and Instrumentation Subsystems
	10.0	Manufacturing
	11.0	Site and Erection
	12.0	Quality Assurance and Safety
	13.0	FMEA, RAM and Maintenance
Appendix A		C.F. Braun & Company - Foundation Design Criteria
Appendix B		GE - Product Assurance Program Plan for the MOD-5A WTG Program
Appendix C		GE - System Safety Plan for the MOD-5A Program
Appendix D		GE - MOD-5A Configuration Management Plan
Appendix E		GE - MOD-5A Defect Reports for Development Hardware
Appendix F		GE - MOD-5A Program Quality Assurance Requirements for the Control of Raw Materials and the Blade Fabrication Process
Appendix G		GE - Statement of Work for the Erection of the MOD-5A WTG Yaw, Nacelle and Blade Subsystems

Volume IV, Drawings and Specifications

This volume contains the numbered drawings and specifications for the final design of the MOD-5A wind turbine. The volume is divided into five books, as follows:

<u>Book 1</u>	47A380002 through 47A380030
<u>Book 2</u>	47A380031 through 47A380068
<u>Book 3</u>	47A380074 through 47A380126
<u>Book 4</u>	47A380128 through 47A387125
<u>Book 5</u>	47D381002 through 47D387130

Volume IV of the MOD-5A Wind Turbine Generator Program Design Report contains the drawings and specifications for the baseline configuration in ascending drawing number order. Due to binding limitations, this volume is presented in multiple books.

Each book contains a full breakdown parts listing, as well as "where-used" list. The first and last drawing number in each part is noted below to indicate in which part of Volume IV to locate a particular drawing.

<u>Volume IV</u>	<u>First Drawing</u>
Part 1	47A380002 through 47A380030
Part 2	47A380031 through 47A380068
Part 3	47A380074 through 47A380126
Part 4	47A380128 through 47A387125
Part 5	47D381002 through 47D387130

NOTES: Part numbers preceded by "***" or not starting with "47-" are either standard hardware, vendor numbers, or unissued drawings. These numbers appear on the parts lists, but are not included in the volume.

DRAWINGS AND SPECIFICATIONS

WTG - MOD 5A
DRAWING LIST
(NUMERICAL SEQUENCE)

IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---		P T	CYCLE	FSCM	U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE APPLY								
47A380024	INSTL CABLING REQ			X	0000		EA	47E382304G1		X	001867
47A380030	SPEC, SYST DISP PNL			X	0000		EA	47E387112G1		X	001849
47A380046	CONT ELEK CAB SPEC			X	0000		EA	47E387062G1		X	000564
47A380052	ELECTRICAL FAB. STD			X 5	0000		EA	47D387083G1		X	000663
47A380052	ELECTRICAL FAB. STD			X 5	0000		EA	47D387089G1		X	001561
47A380052	ELECTRICAL FAB. STD			X 5	0000		EA	47D387113G1		X	001774
47A380052	ELECTRICAL FAB. STD			X 5	0000		EA	47D387121G1		X	000877
47A380052	ELECTRICAL FAB. STD			X 5	0000		EA	47D387130G1		X	000914
47A380052	ELECTRICAL FAB. STD			X 5	0000		EA	47E387027G1		X	001370
47A380052	ELECTRICAL FAB. STD			X 5	0000		EA	47E387037G1		X	000701
47A380052	ELECTRICAL FAB. STD			X 5	0000		EA	47E387062G1		X	000561
47A380052	ELECTRICAL FAB. STD			X 5	0000		EA	47E387072G1		X	000777
47A380052	ELECTRICAL FAB. STD			X 5	0000		EA	47E387084G1		X	001811
47A380052	ELECTRICAL FAB. STD			X 5	0000		EA	47E387085G1		X	001636
47A380052	ELECTRICAL FAB. STD			X 5	0000		EA	47E387091G1		X	001513
47A380052	ELECTRICAL FAB. STD			X 5	0000		EA	47E387095G1		X	000638
										00.000	
47A380067	CONT SYST U.P.S. SPEC			M	0000		EA	47E387081G1	01.000	01.000	001318
47A380068	30-KVA XFMR SPEC			M	0000		EA	47E387081G1	01.000	01.000	001316
47A380069P31	NAMEPLATE, IDENT (J1)			*	0000		EA	47E387027G1	01.000	01.000	001345
47A380069P31	NAMEPLATE, IDENT (J1)			*	0000		EA	47E387084G1	01.000	01.000	001822
47A380069P31	NAMEPLATE, IDENT (J1)			*	0000		EA	47E387085G1	01.000	01.000	001646
47A380069P31	NAMEPLATE, IDENT (J1)			*	0000		EA	47E387091G1	01.000	01.000	001524
										04.000	
47A380069P32	NAMEPLATE, IDENT (J2)			*	0000		EA	47E387084G1	01.000	01.000	001823
47A380069P32	NAMEPLATE, IDENT (J2)			*	0000		EA	47E387085G1	01.000	01.000	001647
47A380069P32	NAMEPLATE, IDENT (J2)			*	0000		EA	47E387091G1	01.000	01.000	001525
										03.000	
47A380069P33	NAMEPLATE, IDENT (J3)			B	0000		EA	47E387084G1	01.000	01.000	001824
47A380069P33	NAMEPLATE, IDENT (J3)			B	0000		EA	47E387091G1	01.000	01.000	001526
										02.000	
47A380069P52	NAMEPLATE, IDENT (TB*)			*	0000		EA	47E387072G1	01.000	01.000	000782
47A380069P71	NAMEPLATE, IDENT (GND)			*	0000		EA	47E387027G1	01.000	01.000	001346
47A380070P3	NPL, AN/REV STATUS			*	0000		EA	47E387027G1	01.000	01.000	001348
47A380070P3	NPL, AN/REV STATUS			*	0000		EA	47E387062G1	01.000	01.000	000560
47A380070P3	NPL, AN/REV STATUS			*	0000		EA	47E387072G1	01.000	01.000	000677
47A380070P3	NPL, AN/REV STATUS			*	0000		EA	47E387084G1	01.000	01.000	001825
47A380070P3	NPL, AN/REV STATUS			*	0000		EA	47E387085G1	01.000	01.000	001648

IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---				CYCLE TIME	FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	GROSS REF
		DWG INC	PL-LATE OUT	P APPLY	T C Y						
47A380070P3	NPL, AN/REV STATUS			*	0000	EA	47E387091G1	01.000	01.000	001527	
47A380070P3	NPL, AN/REV STATUS			*	0000	EA	47E387095G1	01.000	01.000	000640	
									07.000		
47A380071PAR	SLEEVING, SHRINK			*	0000	FT	47D387121G1		AR	000881	
47A380071PAR	SLEEVING, SHRINK			*	0000	FT	47D387130G1		AR	000920	
47A380071PAR	SLEEVING, SHRINK			*	0000	FT	47E387027G1		AR	001366	
47A380071PAR	SLEEVING, SHRINK			*	0000	FT	47E387062G1		AR	000954	
47A380071PAR	SLEEVING, SHRINK			*	0000	FT	47E387072G1		AR	000784	
47A380071PAR	SLEEVING, SHRINK			*	0000	FT	47E387084G1		AR	001818	
47A380071PAR	SLEEVING, SHRINK			*	0000	FT	47E387085G1		AR	001642	
47A380071PAR	SLEEVING, SHRINK			*	0000	FT	47E387091G1		AR	001520	
47A380071PAR	SLEEVING, SHRINK			*	0000	FT	47E387095G1		AR	000643	
									00.000		
47A380094	7500KVA VAR SP GEN			X	0000	EA	47E387081G1		X	001864	
47A380102	FINISH			X	0000	PT	47C387096G1		X	000827	
47A380102	FINISH			X	0000	PT	47E387084G1		X	001847	
									00.000		
47A380102P1	FINISH			M	0000	QT	47D387121G1		AR	000878	
47A380102P1	FINISH			M	0000	QT	47D387130G1		AR	000917	
									00.000		
47D381002P1	BEARING, YAW			M	0000	EA	47E382133G1	01.000	01.000	000025	
47D381003P1	ACTUATOR, HYDRAULIC			M	0000	EA	47E382165G1	04.000	04.000	000032	
47D381010P1	BRAKE ASSY			M	0000	EA	47E382165G1	08.000	08.000	000031	
47D381010P2	BRAKE ASSY			M	0000	EA	47E382603G1	02.000	04.000	000218	
47D381010P2	BRAKE ASSY			M	0000	EA	47E382603G2	02.000	04.000	000246	
									08.000		
47E381017	YAW SR ELECT INTFC			X	0000	EA	47E382594G1		X	000109	
47D381018	ELEC INTERFACE			X	0000	EA	47E382599G1		X	001236	
47D381019P1	SLIP RNG UN YAW AXIS			M	0000	EA	47E382594G1	01.000	01.000	000108	
47D381020P1	ROTOR SLIPRING UNIT			M	0000	EA	47E382599G1	01.000	01.000	001237	
47D381024P1	ROTARY POSITION SR			M	0000	EA	47E382599G1	01.000	01.000	001252	
47C381030P1	HINGE, TRAP DOOR			*	0000	EA	47D382430G1	01.000	02.000	000397	
47C381030P1	HINGE, TRAP DOOR			*	0000	EA	47D382430G2	01.000	02.000	000405	
47C381030P1	HINGE, TRAP DOOR			*	0000	EA	47D382474G1	01.000	01.000	000414	
47C381030P1	HINGE, TRAP DOOR			*	0000	EA	47D382474G2	01.000	01.000	000422	
									06.000		

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IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---		CYCLE TIME	FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE APPLY						
47C381036P1	BOLT, FATIGUE RATED			0000	EA	47E382363G1	14.000	14.000	000350
47C381036P10	BOLT, FATIGUE RATED			0000	EA	47E382363G1	12.000	12.000	000327
47C381036P10	BOLT, FATIGUE RATED			0000	EA	47E382496G1	08.000	08.000	001270
47C381036P10	BOLT, FATIGUE RATED			0000	EA	47E382608G1	60.000	60.000	001291
								80.000	
47C381036P14	BOLT, FATIGUE RATED			0000	EA	47E382602G1	16.000	16.000	000167
47C381036P14	BOLT, FATIGUE RATED			0000	EA	47E382603G1	12.000	24.000	000238
47C381036P14	BOLT, FATIGUE RATED			0000	EA	47E382603G2	12.000	24.000	000265
								64.000	
47C381036P15	BOLT, FATIGUE RATED			0000	EA	47E382165G1	36.000	36.000	000045
47C381036P16	BOLT, FATIGUE RATED			0000	EA	47E382165G1	12.000	12.000	000046
47C381036P2	BOLT, FATIGUE RATED			0000	EA	47E382363G1	32.000	32.000	000324
47C381036P2	BOLT, FATIGUE RATED			0000	EA	47E382602G1	20.000	20.000	000174
								52.000	
47C381036P20	BOLT, FATIGUE RATED			0000	EA	47D382598G1	08.000	08.000	000548
47C381036P20	BOLT, FATIGUE RATED			0000	EA	47E382363G1	88.000	88.000	000326
47C381036P20	BOLT, FATIGUE RATED			0000	EA	47E382597G1	120.000	120.000	000537
								216.000	
47C381036P21	BOLT			0000	EA	47E382608G1	08.000	08.000	001295
47C381036P22	BOLT, FATIGUE RATED			0000	EA	47D382598G1	08.000	08.000	000549
47C381036P24	BOLT, FATIGUE RATED			0000	EA	47D382598G1	08.000	08.000	000547
47C381036P24	BOLT, FATIGUE RATED			0000	EA	47E382441G1	36.000	36.000	000196
								44.000	
47C381036P25	BOLT, FATIGUE RATED			0000	EA	47E382363G1	36.000	36.000	000328
47C381036P26	BOLT, FATIGUE RATED			0000	EA	47E382363G1	12.000	12.000	000348
47C381036P26	BOLT, FATIGUE RATED			0000	EA	47E382607G1	96.000	96.000	001279
								108.000	
47C381036P3	BOLT, FATIGUE RATED			0000	EA	47E382496G1	84.000	84.000	001268
47C381036P32	BOLT			0000	EA	47E382133G1	144.000	144.000	000026
47C381036P4	BOLT, FATIGUE RATED			0000	EA	47E382306G1	20.000	20.000	000310
47C381036P40	BOLT, STRUCT. 2-12			0000	EA	47E382306G1	24.000	24.000	000307
47C381036P5	BOLT, FATIGUE RATED			0000	EA	47E382495G1	24.000	48.000	001267

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IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---				CYCLE TIME	FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE OUT	P T APPLY	C Y						
47C381036P50	BOLT			B	0000	EA	47E382553G1	36.000	36.000	000366	
47C381036P6	BOLT,FATIGUE RATED			B	0000	EA	47E382363G1	60.000	60.000	000325	
47C381036P6	BOLT,FATIGUE RATED			B	0000	EA	47E382602G1	20.000	20.000	000170	
									80.000		
47A381037P1	LACING TAPE			*	0000	FT	47D387121G1	AR		000880	
47A381037P1	LACING TAPE			*	0000	FT	47D387130G1	AR		000919	
47A381037P1	LACING TAPE			*	0000	FT	47E387062G1	AR		000853	
47A381037P1	LACING TAPE			*	0000	FT	47E387072G1	AR		000773	
47A381037P1	LACING TAPE			*	0000	FT	47E387084G1	AR		001820	
47A381037P1	LACING TAPE			*	0000	FT	47E387085G1	AR		001644	
47A381037P1	LACING TAPE			*	0000	FT	47E387091G1	AR		001522	
47A381037P1	LACING TAPE			*	0000	FT	47E387095G1	AR		000642	
									00.000		
47A381038P3	TAPE,LACING			*	0000	FT	47E387027G1	AR		001367	
47C381039P1	EXPANSION JOINT			M	0000	EA	47E382570G1	02.000	02.000	000519	
47C381039P2	EXPANSION JOINT			M	0000	EA	47E382570G1	01.000	01.000	000520	
47D381040P1	HEAT EXCHANGER			M	0000	EA	47E387062G1	02.000	02.000	000555	
47A381043PAR	SLEEVING, VINYL			*	0000	FT	47E387062G1	AR		000955	
47A381043PAR	SLEEVING, VINYL			*	0000	FT	47E387072G1	AR		000774	
47A381043PAR	SLEEVING, VINYL			*	0000	FT	47E387095G1	AR		000629	
									00.000		
47A381044PAR	SLEEVING,TEFLON			*	0000	FT	47D387089G1	AR		001383	
47A381044PAR	SLEEVING,TEFLON			*	0000	FT	47D387121G1	AR		000868	
47A381044PAR	SLEEVING,TEFLON			*	0000	FT	47D387130G1	AR		000921	
47A381044PAR	SLEEVING,TEFLON			*	0000	FT	47E387084G1	AR		001819	
47A381044PAR	SLEEVING,TEFLON			*	0000	FT	47E387085G1	AR		001643	
47A381044PAR	SLEEVING,TEFLON			*	0000	FT	47E387091G1	AR		001521	
									00.000		
47A381044P5	SLEEVING			B	0000	FT	47D387113G1	AR		001469	
47A381045PAR	CLAMP,LOOP-CUSHIONED			M	0000	EA	47E387062G1	AR		000579	
47A381045P3	CLAMP,CABLE (.187 DI*)			*	0000	EA	47E387072G1	02.000	02.000	000743	
47A381045P5	CABLE CLAMP			B	0000	EA	47E387084G1	03.000	03.000	001817	
47A381045P5	CABLE CLAMP			B	0000	EA	47E387085G1	03.000	03.000	001641	
47A381045P5	CABLE CLAMP			B	0000	EA	47E387091G1	03.000	03.000	001519	
									09.000		
47A381045P6	CLAMP,CABLE (.375 DI*)			*	0000	EA	47E387072G1	04.000	04.000	000744	

IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---		P T	CYCLE	FSCM	U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE APPLY								
47E381046P1	GEARBOX ENVELOPE			B	0000		EA	47E382553G1	01.000	01.000	000364
47B381059P4	CONNECTOR CUTOUT COV*			*	0000		EA	47E387072G1	03.000	03.000	000680
47D381060P1	VIDEO MONITOR			M	0000		EA	47E387112G1	01.000	01.000	001327
47C381066P1	HOSE ASSY			M	0000		EA	47J382330G1	04.000	04.000	001126
47C381066P2	HOSE ASSY			M	0000		EA	47J382330G1	06.000	06.000	001125
47A381067P1	CTL PROCESSING UNIT			M	0000		EA	47E387095G1	01.000	01.000	000594
47A381067P10	120 VAC TRK OUT MDL			M	0000		EA	47E387062G1	47.000	47.000	000570
47A381067P11	12-BIT A/D CONVERTER			M	0000		EA	47E387095G1	02.000	02.000	000603
47A381067P12	12-BIT SS ANLG INPUT			M	0000		EA	47E387095G1	03.000	03.000	000604
47A381067P13	12-BIT ANALOG OUTPUT			M	0000		EA	47E387095G1	02.000	02.000	000605
47A381067P14	WATCHDOG TIMER			M	0000		EA	47E387095G1	01.000	01.000	000601
47A381067P15	ERROR DETECTOR			M	0000		EA	47E387095G1	01.000	01.000	000600
47A381067P16	POWER SUPPLY			M	0000		EA	47E387095G1	01.000	01.000	000591
47A381067P17	CHASSIS INTERFACE			M	0000		EA	47E387095G1	01.000	01.000	000595
47A381067P18	CHASSIS			M	0000		EA	47E387095G1	02.000	02.000	000592
47A381067P2	ARITH. PROCESSING			M	0000		EA	47E387095G1	01.000	01.000	000599
47A381067P20	FILLER BLANK			M	0000		EA	47E387095G1	15.000	15.000	000602
47A381067P23	CABLE, I/O TRACK			M	0000		EA	47E387062G1	01.000	01.000	000575
47A381067P3	16K EXECUTIVE MEMORY			M	0000		EA	47E387095G1	01.000	01.000	000596
47A381067P31	TERMINATOR PLUG			M	0000		EA	47E387062G1	01.000	01.000	000571
47A381067P4	12K PROM, 4K RAM MEM			M	0000		EA	47E387095G1	01.000	01.000	000598
47A381067P5	16K RAM MEMORY			M	0000		EA	47E387095G1	01.000	01.000	000597
47A381067P6	TTY & EIA INTFC MDL			M	0000		EA	47E387095G1	03.000	03.000	000606
47A381067P7	I/O SYS DRIVER MDL			M	0000		EA	47E387095G1	01.000	01.000	000607
47A381067P8	I/O TRACK			M	0000		EA	47E387062G1	08.000	08.000	000568

IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---			CYCLE TIME	FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE OUT	P T APPLY C Y						
47A381067P9	120 VAC TRK INP MDL			M	.0000	EA 47E387062G1	81.000	81.000	000569	
47C381072P1	CLAMP UNIT			M	0000	EA 47J382330G1	04.000	04.000	001138	
47C381072P2	CLAMP UNIT			M	0000	EA 47J382330G1	52.000	52.000	001137	
47C381072P3	CLAMP UNIT			M	0000	EA 47C382336G1	01.000	38.000	001133	
47C381072P3	CLAMP UNIT			M	0000	EA 47C382336G2	01.000	08.000	001136	
47C381072P3	CLAMP UNIT			M	0000	EA 47C382336G3	01.000	06.000	001186	
								52.000		
47B381074P1	HOSE ASSY			M	0000	EA 47J382313G1	02.000	02.000	000086	
47C381075P1	HOSE ASSY			M	0000	EA 47J382313G1	04.000	04.000	000084	
47C381075P2	HOSE ASSY			M	0000	EA 47J382313G1	04.000	04.000	000085	
47D381078P1	HIGH SPEED SFT ASSY			B	0000	EA 47D382589G1	01.000	01.000	000372	
47D381080P1	TPR RLR BRG, SPD/L/AFT			M	0000	80657 EA 47E382441G1	01.000	01.000	000178	
47D381081P1	TPR RLR BRG, SPD/L/FWD			M	0000	80657 EA 47E382441G1	01.000	01.000	000179	
47D381082P1	COUPLING HUB, FWD			*	0000	EA 47D382435G1	01.000	01.000	000210	
47D381082P2	TORQUE PLATE			M	0000	EA 47E382441G1	01.000	01.000	000195	
47C381083P1	COUPLING HUB, AFT			*	0000	EA 47D382435G1	01.000	01.000	000211	
47C381084P1	VALVE, THERMO, AMOT			M	0000	EA 47E382579G1	01.000	01.000	000477	
47C381086P1	VALVE, RELIEF, 4-IN			M	.0000	EA 47E382579G1	01.000	01.000	000478	
47C381087P1	NUT			M	0000	EA 47E382306G1	20.000	20.000	000311	
47C381087P1	NUT			M	0000	EA 47E382610G1	28.000	56.000	001028	
								76.000		
47C381087P10	LOCKNUT			B	0000	EA 47E382363G1	124.000	124.000	000331	
47C381087P10	LOCKNUT			B	0000	EA 47E382608G1	08.000	08.000	001296	
								132.000		
47C381087P13	NUT, FATIGUE RATED			B	0000	EA 47E382133G1	144.000	144.000	000027	
47C381087P13	NUT, FATIGUE RATED			B	0000	EA 47E382597G1	120.000	120.000	000538	
								264.000		
47C381087P18	NUT 2-12			M	0000	EA 47E382306G1	24.000	24.000	000308	
47C381087P2	LOCKNUT			B	0000	EA 47E382363G1	92.000	92.000	000329	
47C381087P2	LOCKNUT			B	0000	EA 47E382602G1	40.000	40.000	000173	
								132.000		

IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---		PL-LATE P T	CYCLE FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	OUT							APPLY	C Y	TIME
47C381087P22	LOCKNUT			B	0000	EA 47E382553G1	36.000	36.000	000368
47C381087P5	NUT			B	0000	EA 47E382441G1	360.000	360.000	000200
47C381087P5	NUT			B	0000	EA 47E382603G1	12.000	24.000	000239
47C381087P5	NUT			B	0000	EA 47E382603G2	12.000	24.000	000266
								408.000	
47C381087P6	LOCKNUT			B	0000	EA 47E382363G1	12.000	12.000	000330
47C381087P6	LOCKNUT			B	0000	EA 47E382608G1	60.000	60.000	001292
								72.000	
47C381087P9	NUT			B	0000	EA 47D382598G1	24.000	24.000	000546
47C381087P9	NUT			B	0000	EA 47E382363G1	12.000	12.000	000349
47C381087P9	NUT			B	0000	EA 47E382441G1	36.000	36.000	000198
47C381087P9	NUT			B	0000	EA 47E382607G1	96.000	96.000	001280
								168.000	
47C381088P1	WASHER, 1.00 DIA			M	0000	EA 47E382306G1	20.000	20.000	000319
47C381088P1	WASHER, 1.00 DIA			M	0000	EA 47E382363G1	92.000	92.000	000332
47C381088P1	WASHER, 1.00 DIA			M	0000	EA 47E382496G1	84.000	84.000	001269
47C381088P1	WASHER, 1.00 DIA			M	0000	EA 47E382602G1	40.000	40.000	000171
47C381088P1	WASHER, 1.00 DIA			M	0000	EA 47E382610G1	28.000	56.000	001029
								292.000	
47C381088P10	WASHER, 1.50 DIA			B	0000	EA 47D382598G1	24.000	24.000	000552
47C381088P10	WASHER, 1.50 DIA			B	0000	EA 47E382363G1	136.000	136.000	000346
47C381088P10	WASHER, 1.50 DIA			B	0000	EA 47E382607G1	96.000	96.000	001282
47C381088P10	WASHER, 1.50 DIA			B	0000	EA 47E382608G1	68.000	68.000	001298
								324.000	
47C381088P13	WASHER, HARDENED STL			B	0000	EA 47E382133G1	144.000	144.000	000028
47C381088P13	WASHER, HARDENED STL			B	0000	EA 47E382597G1	120.000	120.000	000540
								264.000	
47C381088P14	WASHER, HARDENED STL			B	0000	EA 47E382133G1	144.000	144.000	000029
47C381088P14	WASHER, HARDENED STL			B	0000	EA 47E382597G1	120.000	120.000	000539
								264.000	
47C381088P17	WASHER 2.00			M	0000	EA 47E382306G1	24.000	24.000	000318
47C381088P18	WASHER 2.00			B	0000	EA 47E382306G1	24.000	24.000	000309
47C381088P2	WASHER, 1.00 DIA			M	0000	EA 47E382306G1	20.000	20.000	000312
47C381088P2	WASHER, 1.00 DIA			M	0000	EA 47E382363G1	105.000	105.000	000345
47C381088P2	WASHER, 1.00 DIA			M	0000	EA 47E382602G1	40.000	40.000	000172
								165.000	
47C381088P21	WASHER			B	0000	EA 47E382553G1	36.000	36.000	000367

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IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---				CYCLE TIME	FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE APPLY	P T C Y							
47C381088P22	WASHER			B	0000	EA	47E382553G1	36.000	36.000	000369	
47C381088P5	WASHER, 1.25 DIA			B	0000	EA	47E382363G1	12.000	12.000	000333	
47C381088P5	WASHER, 1.25 DIA			B	0000	EA	47E382441G1	240.000	240.000	000201	
47C381088P5	WASHER, 1.25 DIA			B	0000	EA	47E382496G1	08.000	08.000	001271	
47C381088P5	WASHER, 1.25 DIA			B	0000	EA	47E382602G1	16.000	16.000	000168	
									276.000		
47C381088P6	WASHER, 1.25 DIA			B	0000	EA	47E382363G1	12.000	12.000	000347	
47C381088P6	WASHER, 1.25 DIA			B	0000	EA	47E382603G1	24.000	48.000	000242	
47C381088P6	WASHER, 1.25 DIA			B	0000	EA	47E382603G2	24.000	48.000	000270	
									108.000		
47C381088P9	WASHER, 1.50 DIA			M	0000	EA	47D382598G1	24.000	24.000	000545	
47C381088P9	WASHER, 1.50 DIA			M	0000	EA	47E382363G1	136.000	136.000	000334	
47C381088P9	WASHER, 1.50 DIA			M	0000	EA	47E382441G1	72.000	72.000	000197	
47C381088P9	WASHER, 1.50 DIA			M	0000	EA	47E382607G1	96.000	96.000	001281	
47C381088P9	WASHER, 1.50 DIA			M	0000	EA	47E382608G1	68.000	68.000	001293	
									396.000		
47E381089P1	TRAILING EDGE INSTL			M	0000	EA	47E382590G1	02.000	02.000	001008	
47E381089P2	TRAILING EDGE INSTL			M	0000	EA	47E382590G1	02.000	02.000	001009	
47E381089P3	TRAILING EDGE INSTL			M	0000	EA	47E382590G1	02.000	02.000	001010	
47J381090P1	INNER BLADE SECTION			M	0000	EA	47E382590G1	02.000	02.000	001006	
47D381091P1	ICE DETECTOR			M	0000	EA	47E382469G1	02.000	04.000	001071	
47E381093P1	BGR THRUST TEETER			M	0000	EA	47E382605G1	02.000	02.000	001198	
47J381097P1	OUTER BLADE SECTION			M	0000	EA	47E382590G1	02.000	02.000	001007	
47B381099PAR	WIRE,AWG 30,SLDRLESS			B	0000	FT	47D387113G1			001776	
47B381099PAR	WIRE,AWG 30,SLDRLESS			B	0000	FT	47E387037G1			000698	
									00.000		
47E381100P1	CABINET			M	0000	EA	47E387062G1	01.000	01.000	000554	
47D381101P1	SHRINK DISC			M	0000	EA	47E382605G1	02.000	02.000	001200	
47C381102P1	ROTOR SEAL FWD			M	0000	03668 EA	47E382441G1	02.000	02.000	000189	
47C381103P1	ROTOR SEAL AFT			M	0000	03668 EA	47E382441G1	02.000	02.000	000190	
47C381104P1	STUD			M	0000	EA	47E382441G1	120.000	120.000	000192	
47C381104P2	STUD			M	0000	EA	47E382441G1	120.000	120.000	000193	

IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---		P T C Y	CYCLE TIME	FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE OUT APPLY							
47E381105G1	BOLSTER ASSY			M	0000	EA	47E382590G1	01.000	01.000	000985
47B381106P1	"O" RING SEAL, AFT			M	0000	EA	47E382441G1	01.000	01.000	000181
47E381107P1	TROLLEY ASSY			M	0000	EA	47E382165G1	02.000	02.000	000034
47B381108P1	SENSOR, ROTOR SPEED			M	0000	81692 EA	47E382498G1	02.000	02.000	001276
47B381109P1	WSHR, BELLEVILLE SPR			B	0000	92830 EA	47E382441G1	120.000	120.000	000199
47C381110P1	SEAL, FWD, COUPLING			M	0000	EA	47E382601G1	04.000	04.000	000214
47C381111P1	BELLOWS JOINT			M	0000	EA	47E382599G1	01.000	01.000	001238
47E381112G1	FOUNDATION REQ			M	0000	EA	47E382297G1	01.000	01.000	000006
47E381112P1	FOUNDATION ASSEMBLY			M	0000	EA	47E381112G1	01.000	01.000	000007
47E381112P10	#11 REINFORCING ROD			M	0000	FT	47E381112G1		AR	000016
47E381112P3	NUT			B	0000	EA	47E381112G1	192.000	192.000	000009
47E381112P5	RECT. WIREWAY			M	0000	EA	47E381112G1	03.000	03.000	000011
47E381112P6	CONDUIT SECTION			M	0000	EA	47E381112G1	01.000	01.000	000012
47E381112P7	CONDUIT SECTION			M	0000	EA	47E381112G1	02.000	02.000	000013
47E381112P8	CONDUIT SECTION			M	0000	EA	47E381112G1	01.000	01.000	000014
47E381112P9	#09 REINFORCING ROD			M	0000	FT	47E381112G1		AR	000015
47E381113P1	FAIRING ENVELOPE			B	0000	EA	47D382606G1	01.000	01.000	000378
47D381114P1	BRG,RADIAL-TEETER			M	0000	EA	47E382583G1	01.000	02.000	001195
47C381115P1	ACTUATOR			B	0000	EA	47E382610G1	06.000	12.000	001025
47D382000	TOWER GEOMETRY/DIAG			X	0000	EA	47E382304G1		X	001875
47C382020	LUBRICATION SCHEM			X	0000	EA	47E382570G1		X	000535
47E382045	GEOMETRY ENVELOPE			X	0000	EA	47E382304G1		X	001307
47E382050P1	YAW HSG STRUCT,UPPER			M	0000	EA	47E382133G1	01.000	01.000	000023
47B382131P1	ENCLOSURE, DOOR			*	0000	EA	47D382430G1	01.000	02.000	000396
47B382131P1	ENCLOSURE, DOOR			*	0000	EA	47D382430G2	01.000	02.000	000404
47B382131P1	ENCLOSURE, DOOR			*	0000	EA	47D382474G1	01.000	01.000	000413

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OF POOR QUALITY

IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---		P T	CYCLE	FSCM	U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE APPLY								
47B382131P1	ENCLOSURE, DOOR			*	0000		EA	47D382474G2	01.000	01.000	000421 06.000
47E382133G1	YAW STRUCTURE ASSY			M	0000		EA	47D382593G1	01.000	01.000	000022
47E382165G1	YAW DRIVE INSTL			M	0000		EA	47D382593G1	01.000	01.000	000030
47C382181P1	TRACK MTG BRACKET			M	0000		EA	47E382165G1	04.000	04.000	000033
47C382181P2	TRACK, MTG BRACKET			M	0000		EA	47E382165G1	02.000	02.000	000063
47D382192P1	BRAKE MTG PLATE			M	0000		EA	47E382165G1	02.000	02.000	000041
47B382193P1	PIN, CLEVIS - BRAKE			M	0000		EA	47E382165G1	04.000	04.000	000044
47B382196P1	SPACER, CLEVIS BLOCK			M	0000		EA	47E382165G1	04.000	04.000	000061
47B382196P2	SPCR,ACTUATOR CLEVIS			M	0000		EA	47E382165G1	08.000	08.000	000062
47D382198P1	CLEVIS BLOCK			M	0000		EA	47E382165G1	02.000	02.000	000042
47D382198P2	CLEVIS BLOCK			M	0000		EA	47E382165G1	02.000	02.000	000064
47B382200P1	RETAINER, PIN			M	0000		EA	47E382165G1	04.000	04.000	000043
47E382219P1	YAW HSG STRUCT,LOWER			M	0000		EA	47E382133G1	01.000	01.000	000024
47C382234P1	GASKET			M	0000		EA	47E387062G1	02.000	02.000	000565
47B382248P1	AIR BAF, RIGHT SIDE			M	0000		EA	47E387062G1	01.000	01.000	000573
47B382248P2	AIR BAF, LEFT SIDE			M	0000		EA	47E387062G1	01.000	01.000	000574
47E382264P1	SIDE SUPPORT,WLDMT			M	0000		EA	47E382363G1	01.000	01.000	000361
47E382265P1	SIDE SUPPORT			M	0000		EA	47E382363G1	01.000	01.000	000320
47E382265P2	SIDE SUPPORT			M	0000		EA	47E382363G1	01.000	01.000	000321
47E382271P1	ROTOR ADAPTER,WLDMT			M	0000		EA	47E382363G1	01.000	01.000	000362
47E382272P1	ROTOR ADAPTER STRL			M	0000		EA	47E382363G1	01.000	01.000	000323
47D382274	NACELLE GEOMETRY			X	0000		EA	47E382304G1		X	001874
47B382277P1	DRIP TROUGH			M	0000		EA	47E382165G1	02.000	02.000	000069
47B382277P2	DRIP TROUGH			M	0000		EA	47E382165G1	02.000	02.000	000070

IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---				CYCLE TIME	FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE OUT	P APPLY	T C Y						
47C382278P1	MANIFOLD FITTING				M	0000	EA 47E382165G1	02.000	02.000	000065	
47A382285	PROFILE COORDINATES				X	0000	EA 47E382590G1	X		001228	
47J382287P1	CENTER BLADE SECT				M	0000	EA 47E382590G1	01.000	01.000	000984	
47D382288	GENERAL SITE LCTN				X	0000	EA 47E382304G1	X		001870	
47D382296P1	LOW SPEED SHAFT				*	0000	EA 47D382435G1	01.000	01.000	000209	
47E382297G1	TWR/FOUNDATION INSTL				M	0000	EA 47D382356G1	01.000	01.000	000003	
47E382297P7	GROUT				M	0000	LB 47E382297G1	AR		000020	
47D382298	SITE PLAN-1ST UNIT				X	0000	EA 47E382304G1	X		001871	
47E382301P1	BOLSTER				M	0000	EA 47E381105G1	02.000	02.000	000986	
47E382303P1	TWR/ FDN PLATF REQT				M	0000	EA 47E382297G1	01.000	01.000	000017	
47E382304G1	WTG ASSY, MOD-5A		1		M	0000	EA		01.000	000001	
47E382306G1	BED PL.,MACH.&DRILL.	01			M	0000	EA 47E382363G1	01.000	01.000	000304	
47J382313G1	HYDR PIPING, YAW DR				M	0000	EA 47D382593G1	01.000	01.000	000075	
47E382314	HYDRAULIC SYS SCHEM				X	0000	EA 47J382313G1	X		000105	
47J382330G1	BLADE HYDRAULIC INST				M	0000	EA 47E382590G1	01.000	01.000	001122	
47J382330P1	TUBING HYDRAULIC				M	0000	FT 47J382330G1	720.000	720.000	001123	
47J382330P2	TUBING HYDRAULIC				M	0000	FT 47J382330G1	480.000	480.000	001124	
47E382333P1	SPINDLE SHAFT				M	0000	EA 47E382441G1	01.000	01.000	000177	
47E382334P1	TIP, BLADE				M	0000	EA 47E382582G1	02.000	04.000	001053	
47C382335P1	TUBE ADAPTER				M	0000	EA 47J382330G1	04.000	04.000	001140	
47C382335P2	TUBE ADAPTER				M	0000	EA 47J382330G1	06.000	06.000	001139	
47C382336G1	BRKT, CLAMP MODIFIED				M	0000	EA 47J382330G1	38.000	38.000	001131	
47C382336G2	BRKT, CLAMP MODIFIED				M	0000	EA 47J382330G1	08.000	08.000	001134	
47C382336G3	BRKT, CLAMP				M	0000	EA 47J382330G1	06.000	06.000	001184	
47C382336P1	BRACKET, ANGLE				M	0000	EA 47C382336G1	02.000	76.000	001132	

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IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---				CYCLE TIME	FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE OUT	P T APPLY	C Y						
47C382336P1	BRACKET, ANGLE				M	0000	EA 47C382336G2	02.000	16.000	001135	
47C382336P1	BRACKET, ANGLE				M	0000	EA 47C382336G3	02.000	12.000	001185	
									104.000		
47C382337P1	ADAPTER, TUBE				M	0000	EA 47J382330G1	12.000	12.000	001145	
47B382338P1	STUD, MOUNTING				M	0000	EA 47J382330G1	10.000	10.000	001142	
47C382349P1	SLEEVE, SPLIT				M	0000	EA 47J382330G1	150.000	150.000	001149	
47C382349P2	SLEEVE, SPLIT				M	0000	EA 47J382330G1	100.000	100.000	001150	
47C382350P1	TEETER SPRT OUTER				M	0000	EA 47C382551G2	01.000	04.000	001000	
47C382351P1	TEETER SPRT INNER				M	0000	EA 47C382551G1	01.000	04.000	000996	
47D382352G1	TEETER ARM ASSY				M	0000	EA 47E382605G1	04.000	04.000	001204	
47D382352P1	TEETER ARM				M	0000	EA 47D382352G1	01.000	04.000	001205	
47D382352P2	RETAINING RING				M	0000	EA 47D382352G1	01.000	04.000	001206	
47C382353P1	TEETER SUPPORT PIN				M	0000	EA 47E382605G1	04.000	04.000	001210	
47E382355P1	TWR STRUCTURE ASSY				M	0000	EA 47E382297G1	01.000	01.000	000004	
47D382356G1	TOWER ASSY, WTG				M	0000	EA 47E382304G1	01.000	01.000	000002	
47E382357G1	BRACKET, INBOARD				M	0000	EA 47J382330G1	02.000	02.000	001127	
47E382357P1	BRACKET				M	0000	EA 47E382357G1	01.000	02.000	001128	
47D382358P1	BRKT, OUTBOARD				M	0000	EA 47J382330G1	02.000	02.000	001130	
47C382359P1	PLATE				M M	0000	EA 47J382330G1	04.000	04.000	001165	
47C382360G1	SUPPORT, HOSE				M	0000	EA 47J382330G1	02.000	02.000	001160	
47C382360P1	PLATE				M	0000	EA 47C382360G1	01.000	02.000	001161	
47C382360P2	PAD				M	0000	EA 47C382360G1	01.000	02.000	001162	
47D382361G1	BASE, HOSE SUPPORT				M	0000	EA 47J382330G1	02.000	02.000	001155	
47D382361P1	PLATE				M	0000	EA 47D382361G1	01.000	02.000	001156	
47D382361P2	PAD				M	0000	EA 47D382361G1	01.000	02.000	001157	
47E382363G1	NACELLE STRUCT ASSY	1			M	0000	EA 47E382597G1	01.000	01.000	000303	

IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---		P T	CYCLE	FSCM	U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE OUT									APPLY	C Y	TIME
47D382372P1	RTR BRG RETAINER, FWD			M	0000	EA		47E382441G1	01.000	01.000	000184
47B382373P1	SPACER			M	0000	EA		47J382330G1	08.000	08.000	001166
47B382373P2	SPACER			M	0000	EA		47J382330G1	08.000	08.000	001167
47B382373P3	SPACER			M	0000	EA		47J382330G1	08.000	08.000	001168
47C382390P1	PLUG, SHAFT TEETER			M	0000	EA		47D382397G1	02.000	02.000	000992
47B382396P1	SHIM, BRG			M	0000	EA		47E382605G1	02.000	02.000	001199
47B382396P1	SHIM, BRG			X	0000	EA		47E382608G1	X	02.000	001290
47D382397G1	TEETER PVT SFT ASSY			M	0000	EA		47D382550G1	01.000	01.000	000990
47D382397P1	TEETER PIVOT SHAFT			M	0000	EA		47D382397G1	01.000	01.000	000991
47B382398P1	SPACER			M	0000	EA		47E382413G1	AR		001082
47C382399P1	BLOCK, BALLAST			M	0000	EA		47E382413G1	96.000	96.000	001080
47E382400G1	LIGHTING PROT INSTL			M	0000	EA		47E382590G1	02.000	02.000	001106
47E382400P3	LIGHTING STRIP			M	0000	FT		47E382400G1	AR		001109
47E382400P4	SPLICE PLATE			M	0000	EA		47E382400G1	16.000	32.000	001110
47E382400P6	SHIM			M	0000	EA		47E382400G1	02.000	04.000	001112
47B382401P1	STUD			M	0000	EA		47E382413G1	32.000	32.000	001081
47E382403P1	INSERT, BOLSTER			M	0000	EA		47C382552G1	01.000	02.000	001004
47D382406	GEOMETRY DWG			X	0000	EA		47E382590G1	X		001225
47E382407P1	LOW SP BK SPRT BRKT			M	0000	EA		47E382495G1	01.000	02.000	001255
47E382413G1	BALLAST INSTL			M	0000	EA		47E382590G1	01.000	01.000	001079
47B382419P1	WASHER			B	0000	EA		47E382165G1	96.000	96.000	000050
47B382420P1	JAM NUT			B	0000	EA		47E382165G1	04.000	04.000	000056
47E382429P1	BED PL. STRUCT. WELD			M	0000	EA		47E382306G1	01.000	01.000	000305
47D382430G1	TRAP DR, BEDPL / TWR			M	0000	EA		47E382472G1	02.000	02.000	000389
47D382430G2	TRAP DR, BEDPL / TWR			M	0000	EA		47E382472G1	02.000	02.000	000398

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IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---		P T	CYCLE	FSCM	U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	OUT									PL-LATE APPLY	C Y	TIME
47D382430P1	COVER			M	0000		EA	47D382430G1	01.000	02.000	000390
47D382430P1	COVER			M	0000		EA	47D382430G2	01.000	02.000	000399
										04.000	
47D382430P2	ANGLE			M	0000		EA	47D382430G1	02.000	04.000	000391
47D382430P2	ANGLE			M	0000		EA	47D382430G2	02.000	04.000	000400
										08.000	
47D382430P3	ANGLE			M	0000		EA	47D382430G1	02.000	04.000	000392
47D382430P3	ANGLE			M	0000		EA	47D382430G2	02.000	04.000	000401
										08.000	
47D382430P4	RIB			M	0000		EA	47D382430G1	02.000	04.000	000393
47D382430P4	RIB			M	0000		EA	47D382430G2	02.000	04.000	000402
										08.000	
47D382430P5	PLATE			M	0000		EA	47D382430G1	01.000	02.000	000394
47D382430P6	BAR			M	0000		EA	47D382430G1	01.000	02.000	000395
47D382430P6	BAR			M	0000		EA	47D382430G2	01.000	02.000	000403
										04.000	
47D382435G1	LOW SPEED SHAFT ASSY			*	0000		EA	47E382601G1	01.000	01.000	000208
47C382436P1	SEAL RTNR, COUPLING			M	0000		EA	47E382601G1	02.000	02.000	000212
47C382437P1	SEAL PL, FWD CPLG			M	0000		EA	47E382601G1	06.000	06.000	000213
47E382440	SCHEM ROTOR HYDR SYS			X	0000		EA	47E382590G1		X	001227
47E382441G1	YOKE / SPINDLE ASSY			M	0000		EA	47E382601G1	01.000	01.000	000159
47E382450P1	GEARBOX MTG. STRUCT.			M	0000		EA	47E382306G1	01.000	01.000	000306
47B382454P1	ANTI-ROTATION PIN			M	0000		EA	47E382441G1	02.000	02.000	000183
47D382455P1	DISC, RTR SPEED SNSR			M	0000		EA	47E382441G1	01.000	01.000	000191
47D382456P1	RTR SEAL RTNR, AFT			M	0000		EA	47E382441G1	01.000	01.000	000182
47D382457P1	LOW SPEED BRAKE DISC			M	0000		EA	47E382441G1	01.000	01.000	000185
47C382458P1	RETAINER, AFT			M	0000		EA	47E382441G1	06.000	06.000	000180
47E382460	BLADE TOLERANCE DWG			X	0000		EA	47E382590G1		X	001226
47D382461P1	LOW SPEED BRAKE			M	0000		EA	47E382495G1	04.000	08.000	001256
47C382463G1	RING, MOUNTING			M	0000		EA	47C382464G1	02.000	08.000	001067

IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---		P T	CYCLE	FSCM	U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE APPLY								
47C382463P1	RING, MOUNTING			M	0000		EA	47C382463G1	02.000	08.000	001068
47C382464G1	RING & HOUSING ASSY			M	0000		EA	47E382469G1	02.000	04.000	001066
47C382464G1	RING & HOUSING ASSY			M	0000		EA	47E382469G2	02.000	04.000	001097
										08.000	
47D382465P1	FRAME, TRAP DOOR			M	0000		EA	47E382472G1	02.000	02.000	000423
47B382467P1	RETAINER			M	0000		EA	47E382469G1	02.000	04.000	001072
47B382467P2	RETAINER / COVER			M	0000		EA	47E382469G1	02.000	04.000	001075
47B382467P2	RETAINER / COVER			M	0000		EA	47E382469G2	02.000	04.000	001103
										08.000	
47B382468P1	GASKET			M	0000		EA	47E382469G1	02.000	04.000	001073
47E382469G1	ICE DETECTOR INSTL			M	0000		EA	47E382590G1	02.000	02.000	001065
47E382469G2	ICE DETECTOR INSTL			M	0000		EA	47E382590G1	02.000	02.000	001096
47B382470P1	GASKET, COVER			M	0000		EA	47E382469G1	02.000	04.000	001078
47B382470P1	GASKET, COVER			M	0000		EA	47E382469G2	02.000	04.000	001105
										08.000	
47E382472G1	LAD & FALSE FL INSTL			M	0000		EA	47E382597G1	01.000	01.000	000388
47E382472P11	SEALING STRIP			M	0000		EA	47E382472G1		AR	000429
47E382472P8	ROOF SCUTTLE			B	0000		EA	47E382472G1	01.000	01.000	000426
47D382474G1	TRAP DR, BEDPL / LUBE			M	0000		EA	47E382472G1	01.000	01.000	000406
47D382474G2	TRAP DR, BEDPL / LUBE			M	0000		EA	47E382472G1	01.000	01.000	000415
47D382474P1	COVER			M	0000		EA	47D382474G1	01.000	01.000	000407
47D382474P1	COVER			M	0000		EA	47D382474G2	01.000	01.000	000416
										02.000	
47D382474P2	ANGLE			M	0000		EA	47D382474G1	02.000	02.000	000408
47D382474P2	ANGLE			M	0000		EA	47D382474G2	02.000	02.000	000417
										04.000	
47D382474P3	ANGLE			M	0000		EA	47D382474G1	02.000	02.000	000409
47D382474P3	ANGLE			M	0000		EA	47D382474G2	02.000	02.000	000418
										04.000	
47D382474P4	RIB			M	0000		EA	47D382474G1	02.000	02.000	000410
47D382474P4	RIB			M	0000		EA	47D382474G2	02.000	02.000	000419
										04.000	

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IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---				CYCLE TIME	FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE OUT	P APPLY	T C Y						
47D382474P5	PLATE				M	0000	EA 47D382474G1	01.000	01.000	000411	
47D382474P6	BAR				M	0000	EA 47D382474G1	01.000	01.000	000412	
47D382474P6	BAR				M	0000	EA 47D382474G2	01.000	01.000	000420	
									02.000		
47C382475P1	MOUNTING BLOCK				M	0000	EA 47E382472G1	02.000	02.000	000424	
47B382480P1	BRACKET, SENSOR				M	0000	EA 47E382498G1	02.000	02.000	001275	
47C382485P1	LIFTING, BRKT				M	0000	EA 47D382598G1	02.000	02.000	000543	
47E382486P1	SIDE SUPPORT				M	0000	EA 47E382599G1	01.000	01.000	001235	
47E382488P1	PRE-LOAD FIXTURE				M	0000	EA 47E382605G1	02.000	02.000	001213	
47E382491G1	AIR DUCT UNIT				M	0000	EA 47E387062G1	02.000	02.000	000556	
47D382492P1	NUT PLATE				M	0000	EA 47E382495G1	01.000	02.000	001259	
47D382492P2	NUT PLATE				M	0000	EA 47E382495G1	02.000	04.000	001258	
47D382492P3	NUT PLATE				M	0000	EA 47E382495G1	01.000	02.000	001260	
47D382492P4	NUT PLATE				M	0000	EA 47E382495G1	02.000	04.000	001257	
47D382493P1	NUT PLATE				M	0000	EA 47E382495G1	02.000	04.000	001262	
47D382493P2	NUT PLATE				M	0000	EA 47E382495G1	01.000	02.000	001263	
47D382493P3	NUT PLATE				M	0000	EA 47E382495G1	02.000	04.000	001261	
47B382494P1	NUT PLATE				M	0000	EA 47E382495G1	08.000	16.000	001264	
47E382495G1	LOW SP BK SPRT ASSY				M	0000	EA 47E382496G1	02.000	02.000	001254	
47E382496G1	LOW SPEED BRAKE INST				M	0000	EA 47E382607G1	01.000	01.000	001253	
47E382498G1	RTR SPEED SNSR INSTL				M	0000	EA 47E382607G1	01.000	01.000	001274	
47C382499P1	TOWER ACCESS DOOR				M	0000	EA 47E382297G1	01.000	01.000	000005	
47D382550G1	SFT, TEETER BRG ASSY				M	0000	EA 47E381105G1	01.000	01.000	000987	
47D382550P1	CLOTH, FIBERGLASS				M	0000	FT 47D382550G1	AR		000988	
47D382550P2	ADHESIVE				M	0000	OZ 47D382550G1	AR		000989	
47C382551G1	TEETER RESTR ASSY				M	0000	EA 47E381105G1	04.000	04.000	000993	

IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---				CYCLE TIME	FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE APPLY	P T C Y							
47C382551G2	TEETEER RESTR ASSY			M	0000	EA	47E381105G1	04.000	04.000	000997	
47C382551P1	CLOTH, FIBERGLASS			M	0000	FT	47C382551G1	AR		000994	
47C382551P1	CLOTH, FIBERGLASS			M	0000	FT	47C382551G2	AR	00.000	000998	
47C382551P2	ADHESIVE, EPOXY			M	0000	OZ	47C382551G1	AR		000995	
47C382551P2	ADHESIVE, EPOXY			M	0000	OZ	47C382551G2	AR	00.000	000999	
47C382552G1	BOLSTER INSR ASSY			M	0000	EA	47E381105G1	02.000	02.000	001001	
47C382552P1	CLOTH, FIBERGLASS			M	0000	FT	47C382552G1	AR		001002	
47C382552P2	ADHESIVE			M	0000	OZ	47C382552G1	AR		001003	
47E382553G1	GEARBOX INSTALLATION			M	0000	EA	47E382597G1	01.000	01.000	000363	
47D382554P1	FLOORING, BEDPLATE			M	0000	EA	47E382306G1	01.000	01.000	000313	
47D382555P1	LIFTING BRKT			M	0000	EA	47D382598G1	02.000	02.000	000544	
47E382556G1	GEARBOX/CLG PLATFORM			M	0000	EA	47E382579G1	01.000	01.000	000444	
47E382556P1	ANGLE, 4 X 4 X 3/8			M	0000	EA	47E382556G1	04.000	04.000	000445	
47E382556P10	SIDE PLATE 4.0 HT			M	0000	EA	47E382556G1	02.000	02.000	000454	
47E382556P11	ANGLE, 3 X 3 X 3/8			M	0000	EA	47E382556G1	04.000	04.000	000455	
47E382556P12	ANGLE, 3 X 3 X 3/8			M	0000	EA	47E382556G1	04.000	04.000	000456	
47E382556P13	ANGLE, 3 X 3 X 3/8			M	0000	EA	47E382556G1	02.000	02.000	000457	
47E382556P14	ANGLE, 3 X 3 X 3/8			M	0000	EA	47E382556G1	02.000	02.000	000458	
47E382556P2	CHANNEL, 8-20 LB			M	0000	EA	47E382556G1	02.000	02.000	000446	
47E382556P3	CHANNEL, 6-16.3 LB			M	0000	EA	47E382556G1	04.000	04.000	000447	
47E382556P4	ANGLE, 3X3-7.2 LB			M	0000	EA	47E382556G1	04.000	04.000	000448	
47E382556P5	CHANNEL, 8-20 LB			M	0000	EA	47E382556G1	04.000	04.000	000449	
47E382556P6	9-IN X 2 1/2 DP DECK			M	0000	EA	47E382556G1	14.000	14.000	000450	
47E382556P7	6-IN X 2 1/2 DP DECK			M	0000	EA	47E382556G1	01.000	01.000	000451	
47E382556P8	9-IN X 2 1/2 DP DECK			M	0000	EA	47E382556G1	01.000	01.000	000452	

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IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---		P T	CYCLE	FSCM	U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE OUT									APPLY	C Y	TIME
47E382556P9	END PLATE 4.0 HT			M	0000		EA	47E382556G1	02.000	02.000	000453
47C382557P1	ROTOR BRG SHIM			M	0000		EA	47E382441G1	04.000	04.000	000186
47B382558P1	INSERT, BRAKE DISC			M	0000		EA	47E382441G1	120.000	120.000	000187
47C382559P1	RTR SEAL RTNR, FWD			M	0000		EA	47E382441G1	01.000	01.000	000188
47C382560P1	PLUG, TORQUE PLATE			M	0000		EA	47E382441G1	02.000	02.000	000194
47D382563G1	TORQUE PLATE ASSY			M	0000		EA	47E382165G1	04.000	04.000	000035
47D382563P1	TORQUE PLATE			M	0000		EA	47D382563G1	01.000	04.000	000036
47B382564P1	BEARING ANGLE			M	0000		EA	47D382563G1	02.000	08.000	000037
47E382570G1	LUBE PLATFORM INSTL			M	0000		EA	47E382597G1	01.000	01.000	000442
47E382570P10	PIPE ASSY			M	0000		EA	47E382570G1	01.000	01.000	000513
47E382570P11	PIPE ASSY			M	0000		EA	47E382570G1	01.000	01.000	000514
47E382570P12	PIPE ASSY			M	0000		EA	47E382570G1	01.000	01.000	000515
47E382570P13	PIPE ASSY			M	0000		EA	47E382570G1	01.000	01.000	000516
47E382570P4	PIPE ASSY			M	0000		EA	47E382570G1	01.000	01.000	000507
47E382570P5	PIPE ASSY			M	0000		EA	47E382570G1	01.000	01.000	000508
47E382570P6	PIPE ASSY			M	0000		EA	47E382570G1	01.000	01.000	000509
47E382570P7	PIPE ASSY			M	0000		EA	47E382570G1	01.000	01.000	000510
47E382570P8	PIPE ASSY			M	0000		EA	47E382570G1	01.000	01.000	000511
47E382570P9	PIPE ASSY			M	0000		EA	47E382570G1	01.000	01.000	000512
47E382571	LIFT REQT, TWR CMPNT			X	0000		EA	47D382356G1		X	000157
47D382572P1	SPACER, ADAPTER			M	0000		EA	47E382363G1	01.000	01.000	000338
47D382572P2	SPACER, ADAPTER			M	0000		EA	47E382363G1	01.000	01.000	000339
47D382572P3	SPACER, ADAPTER			M	0000		EA	47E382363G1	01.000	01.000	000340
47D382572P4	SPACER, ADAPTER			M	0000		EA	47E382363G1	01.000	01.000	000341
47D382572P5	SPACER, SIDE SUPPORT			M	0000		EA	47E382363G1	04.000	04.000	000342

IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---				CYCLE TIME	FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE APPLY	P T C Y							
47D382572P6	SPACER, SIDE SUPPORT			M	0000	EA	47E382363G1	02.000	02.000	000343	
47D382572P7	SPACER, SIDE SUPPORT			M	0000	EA	47E382363G1	02.000	02.000	000344	
47D382574P1	TOP, STRL, FWD, WLDMT			M	0000	EA	47E382363G1	01.000	01.000	000360	
47D382575P1	TOP STRUCTURE FWD			M	0000	EA	47E382363G1	01.000	01.000	000336	
47D382576P1	TOP, STRL, AFT, WLDMT			M	0000	EA	47E382363G1	01.000	01.000	000359	
47D382577P1	TOP STRUCTURE, AFT			M	0000	EA	47E382363G1	01.000	01.000	000322	
47E382578P1	CRANE, MOUNTING STRL			M	0000	EA	47E382363G1	01.000	01.000	000337	
47E382579G1	COOLING PLATFORM ASM			M	0000	EA	47E382570G1	01.000	01.000	000443	
47E382579P16	PIPE, SCHED 40, 5-IN			M	0000	FT	47E382579G1	07.000	07.000	000483	
47E382579P18	PIPE, SCHED 40			M	0000	FT	47E382579G1	90.000	90.000	000485	
47E382579P24	PIPE, SCHED 40, 3IN			M	0000	FT	47E382579G1	05.000	05.000	000491	
47B382580P1	SEAL, TOP STRUCTURE			M	0000	EA	47E382363G1	01.000	01.000	000351	
47B382580P2	SEAL, TOP STRUCTURE			M	0000	EA	47E382363G1	01.000	01.000	000353	
47B382580P3	SEAL, TOP STRUCTURE			M	0000	EA	47E382363G1	02.000	02.000	000354	
47E382581P1	HUB, BRG - TEETER			M	0000	EA	47E382583G1	01.000	02.000	001196	
47E382582G1	BLADE TIP ATCH ASSY			M	0000	EA	47E382590G1	02.000	02.000	001051	
47E382582P10	ADHESIVE, EPOXY			B	0000	PT	47E382582G1	AR		001061	
47E382582P11	GLASSFIBER CLOTH			B	0000	FT	47E382582G1	AR		001062	
47E382583G1	TEETER HUB/BRG ASSY			M	0000	EA	47E382605G1	02.000	02.000	001194	
47E382583P3	DOWEL PIN			M	0000	EA	47E382583G1	03.000	06.000	001197	
47C382584G1	MOT/PUMP/CLR PLATF			M	0000	EA	47E382579G1	01.000	01.000	000464	
47C382584P1	PLATE, BASE			M	0000	EA	47C382584G1	01.000	01.000	000465	
47C382584P2	BEAM, 4 W 13#			M	0000	EA	47C382584G1	02.000	02.000	000466	
47C382584P3	BEAM, 6 W 9#			M	0000	EA	47C382584G1	02.000	02.000	000467	
47B382585P1	ANCHOR STUD			M	0000	EA	47E381112G1	96.000	96.000	000008	

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IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---				CYCLE TIME	FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	DWG OUT	PL-LATE APPLY	P T C Y						
47B382586P1	ANCHOR PLATE				M	0000	EA 47E381112G1	48.000	48.000	000010	
47D382587P1	FLOATING MT BRACKET				M	0000	EA 47E382592G1	04.000	04.000	000152	
47D382588P1	CROSS SPRT TOP STRL				M	0000	EA 47E382363G1	01.000	01.000	000352	
47D382589G1	GEN & HS SFT INSTL				M	0000	EA 47E382597G1	01.000	01.000	000370	
47E382590G1	ROTOR BLADE ASSY				M	0000	EA 47E382304G1	01.000	01.000	000983	
47E382590P12	FIBERGLASS,CLOTH				B	0000	EA 47E382590G1		AR	001095	
47E382590P23	ADHESIVE,EPOXY				B	0000	PT 47E382590G1		AR	001191	
47D382591P1	STRUCTURE FRAME UNIT				M	0000	EA 47E382592G1	04.000	04.000	000149	
47E382592G1	PERS ELEV/SUPT INSTL				M	0000	EA 47D382356G1	01.000	01.000	000146	
47E382592P5	ANGLE SECTION				M	0000	EA 47E382592G1	20.000	20.000	000151	
47D382593G1	YAW S/S ASSY				M	0000	EA 47D382356G1	01.000	01.000	000021	
47E382594G1	YAW SLIP RING INSTL				M	0000	EA 47D382593G1	01.000	01.000	000107	
47E382595G1	TWR PLATFORM INSTL				M	0000	EA 47D382356G1	01.000	01.000	000127	
47D382596G1	AUX CRANE INSTL				M	0000	EA 47E382597G1	01.000	01.000	000373	
47E382597G1	NACELLE OVERALL ASSY		1		M	0000	EA 47E382304G1	01.000	01.000	000302	
47E382597G1	NACELLE OVERALL ASSY		1		X	0000	EA 47E382607G1		X	001230	
										01.000	
47D382598G1	LFT BRACKETS INSTL				M	0000	EA 47E382597G1	01.000	01.000	000542	
47D382598P8	SPACER,STA 227.5				M	0000	EA 47D382598G1	04.000	04.000	000550	
47D382598P9	SPACER,STA 227.5				M	0000	EA 47D382598G1	02.000	02.000	000551	
47E382599G1	SLIP RING INST				M	0000	EA 47E382607G1	01.000	01.000	001232	
47E382599P10	CONDUIT 1.50 DIA				M	0000	EA 47E382599G1	06.000	06.000	001242	
47E382599P19	ANGLES				M	0000	EA 47E382599G1	02.000	02.000	001251	
47E382599P9	CONDUIT 2.00 DIA				M	0000	EA 47E382599G1	03.000	03.000	001241	
47E382600P1	YOKE STRL,WELDMENT				M	0000	EA 47E382602G1	01.000	01.000	000161	
47E382601G1	YOKE ASSY				M	0000	EA 47E382304G1	01.000	01.000	000158	

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IDENTIFICATION NO.	NOMENCLATURE	ECN		P T	CYCLE	FSCM	U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE APPLY								
47E382601G1	YOKE ASSY			X	0000	EA		47E382607G1		X 01.000	001231
47E382601P27	GREASE			B	0000	LB		47E382601G1		AR	000300
47E382602G1	MACHINING ASSY, YOKE			M	0000	EA		47E382441G1	01.000	01.000	000160
47E382602P16	YOKE BRG CAP MACH			X	0000	EA		47E382602G1		X	000176
47E382602P2	YOKE BRG CAP			M	0000	EA		47E382605G1	02.000	02.000	001193
47E382602P3	BRACKET			M	0000	EA		47E382602G1	06.000	06.000	000163
47E382602P4	BRACKET			M	0000	EA		47E382602G1	01.000	01.000	000164
47E382602P5	BRACKET			M	0000	EA		47E382602G1	01.000	01.000	000165
47E382603G1	TEETER RSTR BK ASSY			M	0000	EA		47E382601G1	02.000	02.000	000215
47E382603G2	TEETER RSTR BK ASSY			M	0000	EA		47E382601G1	02.000	02.000	000243
47D382604G1	SHAFT ALIGNMENT FTG			M	0000	EA		47E382601G1	04.000	04.000	000288
47D382604P1	SHOE			M	0000	EA		47D382604G1	01.000	04.000	000289
47D382604P2	ADJUSTING SCREW			M	0000	EA		47D382604G1	01.000	04.000	000290
47D382604P3	BRACKET			M	0000	EA		47D382604G1	01.000	04.000	000291
47D382604P4	PIN, 6.00-LG X.50 DIA			M	0000	EA		47D382604G1	02.000	08.000	000292
47D382604P9	PAD, NYLON			M	0000	EA		47D382604G1	02.000	08.000	000297
47E382605G1	TEETER BRG/RSTR INST			M	0000	EA		47E382590G1	01.000	01.000	001192
47E382605P19	PIN			M	0000	EA		47E382605G1	04.000	04.000	001219
47D382606G1	FAIRING INSTALLATION			M	0000	EA		47E382597G1	01.000	01.000	000377
47D382606P2	SEALING STRIP			M	0000	EA		47D382606G1		AR	000379
47D382606P3	ADHESIVE(SEE NOTE 4)			B	0000	EA		47D382606G1		AR	000380
47E382607G1	YOKE / NACELLE INSTL			M	0000	EA		47E382304G1	01.000	01.000	001229
47E382608G1	ROTOR BLADE INSTL			M	0000	EA		47E382304G1	01.000	01.000	001289
47D382609P1	YOKE BRG CAP, WLDMT			M	0000	EA		47E382602G1	02.000	02.000	000162

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IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---		P T	CYCLE	FSCM	U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	DWG OUT									PL-LATE APPLY	C Y
47E382610G1	AILERON INSTALLATION			M	0000		EA	47E382590G1	02.000	02.000	001011
47A387005	I&C SIGNAL LIST			X	0000		EA	47E382304G1	X		001869
47D387009P1	GROUNDING XFMR			M	0000		EA	47E387060G1	01.000	01.000	000964
47D387010P1	CURRENT XFMR			M	0000		EA	47E387060G1	06.000	06.000	000966
47D387011P1	POTENTIAL XFMR			M	0000		EA	47E387060G1	03.000	03.000	000967
47C387013P1	GROUNDING RESISTOR			M	0000		EA	47E387060G1	02.000	02.000	000965
47E387014	SCHEM,NACELLE,GEN			X	0000		EA	47E382304G1	X		001872
47E387018	POWER DISTBR SCHEM			X	0000		EA	47E387081G1	X		001859
47D387022	SCHEMATIC			X	0000		EA	47D387121G1	X		000876
47E387027G1	ASSY,WTG CONTROL PAN*			*	0000		EA	47E387112G1	01.000	01.000	001328
47D387028P1	PANEL,FRONT,WTG CONT*			*	0000		EA	47E387027G1	01.000	01.000	001329
47D387029P1	CONNECTOR PANEL, WTG*			*	0000		EA	47E387027G1	01.000	01.000	001330
47D387030	SCHEMATIC DIAGRAM EL*			X 5	0000		EA	47E387027G1	X		001369
47D387032G1	GEAR BOX SIGNAL COND*			*	0000		EA	47E387072G1	01.000	01.000	000683
47D387034G1	WIND SIGNAL CONDITIO*			*	0000		EA	47E387072G1	01.000	01.000	000684
47E387037G1	ASSY,SYN SIG COND BD			*	0000		EA	47E387072G1	02.000	02.000	000685
47D387038	SCHEMATIC			X	0000		EA	47E387037G1	X		000702
47A387039	WIRE LIST			X	0000		EA	47E387037G1	X		000687
47D387040G1	POWER SIGNAL CONDITI*			*	0000		EA	47E387072G1	01.000	01.000	000681
47D387043G1	SYNCRD TO CURRENT CO*			*	0000		EA	47E387072G1	02.000	02.000	000682
47E387060G1	HIGH VOLTAGE CG ASSY			M	0000		EA	47E382597G1	01.000	01.000	000962
47E387061	SCHEMATIC			X	0000		EA	47E387072G1	X		000778
47E387062G1	CONT ELEK CAB, (CEC)			M	0000		EA	47E382597G1	01.000	01.000	000553
47D387063P1	PANEL			M	0000		EA	47D387121G1	01.000	01.000	000857
47D387063P2	MOUNTING CHASIS			M	0000		EA	47D387121G1	01.000	01.000	000858

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IDENTIFICATION NO.	NOMENCLATURE	INC	DWG	--- ECN ---		CYCLE TIME	FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
				PL-LATE APPLY	C Y						
47E387064	SCHEMATIC			X		0000	EA	47E387062G1			000562
47E387064	SCHEMATIC			X		0000	EA	47E387095G1			000637
47E387065G1	PANEL, RIGHT SIDE			*		0000	EA	47E387062G1	01.000	01.000	000816
47E387065P1	PANEL, RIGHT SIDE			*		0000	EA	47E387065G1	01.000	01.000	000817
47E387069G1	HIGH V CG DRILL ASSY			M		0000	EA	47E387060G1	01.000	01.000	000963
47D387070G1	CENTER PANEL			*		0000	EA	47E387062G1	01.000	01.000	000582
47D387070P1	PANEL			*		0000	EA	47D387070G1	01.000	01.000	000583
47D387070P2	SPACER STRIP			*		0000	EA	47D387070G1	02.000	02.000	000584
47E387072G1	I&C SIG CONDITIONER			*		0000	EA	47E387062G1	01.000	01.000	000645
47D387073P1	PANEL, FRONT			*		0000	EA	47E387072G1	01.000	01.000	000646
47D387074P1	PANEL, RIGHT SIDE			*		0000	EA	47E387072G1	01.000	01.000	000647
47D387074P2	PANEL, LEFT SIDE			*		0000	EA	47E387072G1	01.000	01.000	000648
47C387075P1	PANEL, REAR			*		0000	EA	47E387072G1	01.000	01.000	000649
47B387076G1	MTG. BRACKET, CIRCUIT*			*		0000	EA	47E387072G1	02.000	02.000	000664
47B387076G2	MTG. BRACKET, CIRCUIT*			*		0000	EA	47E387072G1	02.000	02.000	000668
47B387076P1	BRACKET			*		0000	EA	47E387076G1	01.000	02.000	000665
47B387076P2	BRACKET			*		0000	EA	47E387076G2	01.000	02.000	000669
47B387078P1	SUPPORT ANGLE, CABLE			*		0000	EA	47E387072G1	01.000	01.000	000678
47B387079P1	MTG. BRACKET			*		0000	EA	47E387072G1	02.000	02.000	000679
47E387081G1	ELEC EQUIP BUILDING			M		0000	EA	47E382304G1	01.000	01.000	001308
47B387082P1	SHIELD			*		0000	EA	47E387072G1	01.000	01.000	000748
47B387082P1	SHIELD			*		0000	EA	47E387095G1	01.000	01.000	000611
47D387083G1	ASSY, MOTHER BD-SIGN*			*		0000	EA	47E387072G1	01.000	01.000	000651
47D387083P4	TERMINAL BLOCK			*		0000	EA	47D387083G1	01.000	01.000	000655
47D387083P5	TERMINAL BLOCK			*		0000	EA	47D387083G1	01.000	01.000	000656

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IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---			CYCLE TIME	FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE APPLY	P T C Y						
47E387084G1	ASSY, STATUS PANEL			M	0000	EA 47E387112G1	01.000	01.000	001666	
47E387084P2	PANEL, SIDE			B	0000	EA 47E387084G1	02.000	02.000	001668	
47E387085G1	ASSY, UTILITY PANEL			M	0000	EA 47E387112G1	01.000	01.000	001544	
47E387085P2	PANEL, SIDE			M	0000	EA 47E387085G1	02.000	02.000	001546	
47B387086P1	ANGLE			*	0000	EA 47D387083G1	02.000	02.000	000653	
47D387087G1	ASSY, COLOR CODED FL*			*	0000	EA 47E387072G1	07.000	07.000	000738	
47A387088	WIRE LIST			X	0000	EA 47E387072G1		X	000770	
47D387089G1	ASSY,MTR SIG CONDTNR			M	0000	EA 47E387084G1	05.000	05.000	001675	
47D387089G1	ASSY,MTR SIG CONDTNR			M	0000	EA 47E387085G1	03.000	03.000	001553	
47D387089G1	ASSY,MTR SIG CONDTNR			M	0000	EA 47E387091G1	03.000	03.000	001380	
									11.000	
47E387090P1	DRILL & TRIM			*	0000	EA 47D387083G1	01.000	01.000	000652	
47E387091G1	ASSY,GENERATOR PANEL			M	0000	EA 47E387112G1	01.000	01.000	001371	
47E387091P2	PANEL, SIDE			B	0000	EA 47E387091G1	01.000	01.000	001373	
47D387092	SCHEMATIC			X	0000	EA 47D387089G1		X	001682	
47E387093G1	WIND TRANSLATOR			M	0000	EA 47E387062G1	01.000	01.000	000800	
47E387095G1	CONTROLLER ASSY			M	0000	EA 47E387062G1	01.000	01.000	000589	
47E387095P42	BUSHING, STRAIN RLF			M	0000	EA 47E387095G1	01.000	01.000	000631	
47E387095P43	BUSHING, STRAIN RLF			M	0000	EA 47E387095G1	08.000	08.000	000632	
47E387095P47	PLUG, SNAP OUT			M	0000	EA 47E387095G1	03.000	03.000	000636	
47C387096G1	MTG BRACKET ASSY			M	0000	EA 47E387062G1	02.000	02.000	000824	
47C387096P1	MTG BRACKET			M	0000	EA 47C387096G1	01.000	02.000	000825	
47E387097	SCHEMATIC			X	0000	EA 47E387085G1		X	001637	
47E387098P1	PANEL, FRONT			M	0000	EA 47E387085G1	01.000	01.000	001545	
47C387099P1	PANEL, REAR			M	0000	EA 47E387085G1	01.000	01.000	001547	
47D387100	SCHEMATIC			X	0000	EA 47D387113G1		X	001772	

IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---				CYCLE TIME	FSCM U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE OUT	P T APPLY	C Y						
47E387101	SCHEMATIC			X	0000	EA	47E387084G1		X	001812	
47E387103	SCHEMATIC			X	0000	EA	47E387091G1		X	001514	
47E387104P1	PANEL, FRONT			B	0000	EA	47E387084G1	01.000	01.000	001667	
47E387105P1	PANEL, FRONT			B	0000	EA	47E387091G1	01.000	01.000	001372	
47D387106P1	PANEL, REAR			B	0000	EA	47E387084G1	01.000	01.000	001669	
47D387106P1	PANEL, REAR			B	0000	EA	47E387091G1	01.000	01.000	001374	
									02.000		
47D387107P1	SGL CD FR.,MODIFIED			B	0000	EA	47E387084G1	01.000	01.000	001671	
47D387107P1	SGL CD FR.,MODIFIED			B	0000	EA	47E387091G1	01.000	01.000	001376	
									02.000		
47D387108P1	BRACKET, CARD FRAME			B	0000	EA	47E387084G1	01.000	01.000	001672	
47D387108P1	BRACKET, CARD FRAME			B	0000	EA	47E387091G1	01.000	01.000	001377	
									02.000		
47D387109G1	FRONT PANEL			M	0000	EA	47E387060G1	01.000	01.000	000971	
47D387110P1	BUS BAR			M	0000	EA	47E387060G1	01.000	01.000	000969	
47E387112G1	SYS DISPLAY PNL ASSY			M	0000	EA	47E387081G1	01.000	01.000	001326	
47D387113G1	SECURITY ALARM BOARD			M	0000	EA	47E387084G1	01.000	01.000	001763	
47D387113G1	SECURITY ALARM BOARD			M	0000	EA	47E387091G1	01.000	01.000	001464	
									02.000		
47E387114	CONTROL SYSTEM SCHEM			X	0000	EA	47E382304G1		X	001865	
47E387115P1	MOUNTING FRAME			M	0000	EA	47E387095G1	01.000	01.000	000590	
47E387116P1	DRILL & TRIM			M	0000	EA	47D387089G1	03.000	11.000	001381	
47D387121G1	ESD ELECT ASSY			M	0000	EA	47E387062G1	01.000	01.000	000856	
47D387122	SCHEMATIC			X	0000	EA	47D387130G1		X	000903	
47A387124	WIRE LIST			X	0000	EA	47E387095G1		X	000630	
47A387125	WIRE LIST			X	0000	EA	47D387121G1		X	000869	
47A387128	WIRE LIST			X	0000	EA	47D387130G1		X	000902	
47D387129P1	PANEL			M	0000	EA	47D387130G1	01.000	01.000	000883	
47D387129P2	MOUNTING CHASSIS			M	0000	EA	47D387130G1	01.000	01.000	000884	

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IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---			CYCLE TIME	FSCM	U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE OUT	P T APPLY C Y							
47D387130G1	"G" SWITCH TEST ELEK			M	0000	EA	47E387062G1	01.000	01.000	000882	
47D387132G1	ICE DETECTOR ELEK			M	0000	EA	47E387062G1	01.000	01.000	000922	
4HP	PLUG			B	0000	97576 EA	47J382313G1	03.000	03.000	000099	
4PN-SS	NIPPLE, PIPE			B	0000	97576 EA	47J382313G1	03.000	03.000	000079	
4PT-SS	TEE, PIPE			B	0000	97576 EA	47J382313G1	03.000	03.000	000081	
4IF2RO	RESISTOR, 2 OHM			M	0000	03615 EA	47D387130G1	01.000	01.000	000897	
4156-14-1	TERMINAL			M	0000	17117 EA	47D387130G1	08.000	08.000	000886	
427D-SIZE-4	ELBOW, LONG			B	0000	14959 EA	47E382570G1	06.000	06.000	000505	
427D-SIZE-5	ELBOW, LONG			B	0000	14959 EA	47E382570G1	03.000	03.000	000506	
44AO111-16-9	WIRE, AWG #16			B 5	0000	06090 FT	47E387027G1	AR		001364	
44AO111-16-9	WIRE, AWG #16			B 5	0000	06090 FT	47E387062G1	AR		000957	
44AO111-16-9	WIRE, AWG #16			B 5	0000	06090 FT	47E387072G1	AR		000775	
									00.000		
44AO111-20-9	WIRE, AWG #20			B 5	0000	06090 FT	47D387121G1	AR		000874	
44AO111-20-9	WIRE, AWG #20			B 5	0000	06090 FT	47D387130G1	AR		000915	
44AO111-20-9	WIRE, AWG #20			B 5	0000	06090 FT	47E387062G1	AR		000958	
									00.000		
44AO111-22-9	WIRE, #22 AWG			B 5	0000	06090 FT	47E387072G1	AR		000783	
44AO111-24-9	WIRE, AWG 24			B 5	0000	06090 FT	47E387084G1	AR		001816	
44AO111-24-9	WIRE, AWG 24			B 5	0000	06090 FT	47E387085G1	AR		001640	
44AO111-24-9	WIRE, AWG 24			B 5	0000	06090 FT	47E387091G1	AR		001518	
									00.000		
44AO811-12-9	WIRE, AWG #12			B 5	0000	06090 FT	47E387062G1	AR		000956	
4538K1	TFE SEALER, TEFLON			B	0000	39428 EA	47J382313G1	01.000	01.000	000076	
4697-1032-SS-20	HEX M & F STANDOFF			M	0000	55566 EA	47E387062G1	12.000	12.000	000934	
47-61-201-10	CAPTIVE SCREW			M	0000	94222 EA	47D387121G1	04.000	04.000	000861	
47-61-201-10	CAPTIVE SCREW			M	0000	94222 EA	47D387130G1	04.000	04.000	000885	
									08.000		
53451-1	RELAY			B 7	0000	18342 EA	47D387089G1	09.000	33.000	001595	
5596A-8	TERMINAL BOARD			*	0000	75382 EA	47E387072G1	01.000	01.000	000750	

WTG - MOD 5A

TOP DOWN

BREAK DOWN

LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		P	T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	OUT									PL-LATE APPLY	C Y	TIME
00	47E382304G1	WTG ASSY, MOD-5A	1		M		0000	EA		1.00	-	000001
01	47D382356G1	TOWER ASSY, WTG			M		0000	EA	1.00	1.00	1-00	000002
02	47E382297G1	TWR/FOUNDATION INSTL			M		0000	EA	1.00	1.00	1-00	000003
03	47E382355P1	TWR STRUCTURE ASSY			M		0000	EA	1.00	1.00	1-00	000004
03	47C382499P1	TOWER ACCESS DOOR			M		0000	EA	1.00	1.00	2-00	000005
03	47E381112G1	FOUNDATION REQ T			M		0000	EA	1.00	1.00	3-00	000006
04	47E381112P1	FOUNDATION ASSEMBLY			M		0000	EA	1.00	1.00	1-00	000007
04	47B382585P1	ANCHOR STUD			M		0000	EA	96.00	96.00	2-00	000008
04	47E381112P3	NUT			B		0000	EA	192.00	192.00	3-00	000009
04	47B382586P1	ANCHOR PLATE			M		0000	EA	48.00	48.00	4-00	000010
04	47E381112P5	RECT. WIREWAY			M		0000	EA	3.00	3.00	5-00	000011
04	47E381112P6	CONDUIT SECTION			M		0000	EA	1.00	1.00	6-00	000012
04	47E381112P7	CONDUIT SECTION			M		0000	EA	2.00	2.00	7-00	000013
04	47E381112P8	CONDUIT SECTION			M		0000	EA	1.00	1.00	8-00	000014
04	47E381112P9	#09 REINFORCING ROD			M		0000	FT	AR		9-00	000015
04	47E381112P10	#11 REINFORCING ROD			M		0000	FT	AR		10-00	000016
03	47E382303P1	TWR/ FDN PLATF REQ T			M		0000	EA	1.00	1.00	4-00	000017
03	N214P58B	NUT 2 1/2 DIA.			B		0000	EA	96.00	96.00	5-00	000018
03	N402P58B	WASHER			B		0000	EA	96.00	96.00	6-00	000019
03	47E382297P7	GROUT			M		0000	LB	AR		7-00	000020
02	47D382593G1	YAW S/S ASSY			M		0000	EA	1.00	1.00	2-00	000021
03	47E382133G1	YAW STRUCTURE ASSY			M		0000	EA	1.00	1.00	1-00	000022
04	47E382050P1	YAW HSG STRUCT, UPPER			M		0000	EA	1.00	1.00	1-00	000023
04	47E382219P1	YAW HSG STRUCT, LOWER			M		0000	EA	1.00	1.00	2-00	000024
04	47D381002P1	BEARING, YAW			M		0000	EA	1.00	1.00	3-00	000025
04	47C381036P32	BOLT			M		0000	EA	144.00	144.00	4-00	000026
04	47C381087P13	NUT, FATIGUE RATED			B		0000	EA	144.00	144.00	5-00	000027
04	47C381088P13	WASHER, HARDENED STL			B		0000	EA	144.00	144.00	6-00	000028
04	47C381088P14	WASHER, HARDENED STL			B		0000	EA	144.00	144.00	7-00	000029
03	47E382165G1	YAW DRIVE INSTL			M		0000	EA	1.00	1.00	2-00	000030
04	47D381010P1	BRAKE ASSY			M		0000	EA	8.00	8.00	1-00	000031
04	47D381003P1	ACTUATOR, HYDRAULIC			M		0000	EA	4.00	4.00	2-00	000032
04	47C382181P1	TRACK MTG BRACKET			M		0000	EA	4.00	4.00	3-00	000033
04	47E381107P1	TROLLEY ASSY			M		0000	EA	2.00	2.00	4-00	000034
04	47D382563G1	TORQUE PLATE ASSY			M		0000	EA	4.00	4.00	5-00	000035
05	47D382563P1	TORQUE PLATE			M		0000	EA	1.00	4.00	1-00	000036
05	47B382564P1	BEARING ANGLE			M		0000	EA	2.00	8.00	2-00	000037
05	N23P25012B	SCREW, CAP			B		0000	EA	6.00	24.00	3-00	000038

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LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE	P T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF	FSCM CROSS REF
			DWG INC	DWG OUT									APPLY	C Y TIME
05	N400P13B	WASHER, PLAIN			B	0000	EA		6.00	24.00	4-00	000039
05	N406P43B	LOCKWASHER			B	0000	EA		6.00	24.00	5-06	000040
04	47D382192P1	BRAKE MTG PLATE			M	0000	EA		2.00	2.00	6-00	000041
04	47D382198P1	CLEVIS BLOCK			M	0000	EA		2.00	2.00	7-00	000042
04	47B382200P1	RETAINER, PIN			M	0000	EA		4.00	4.00	8-00	000043
04	47B382193P1	PIN, CLEVIS - BRAKE			M	0000	EA		4.00	4.00	9-00	000044
04	47C381036P15	BOLT, FATIGUE RATED			B	0000	EA		36.00	36.00	10-00	000045
04	47C381036P16	BOLT, FATIGUE RATED			B	0000	EA		12.00	12.00	11-00	000046
04	N733P33112B	SCREW, 12 POINT			B	0000	EA		12.00	12.00	12-00	000047
04	BLFR-22	SPHERICAL BEARING			B	0000	EA		4.00	4.00	13-00	81376 000048
04	DREM-20-080	ROD END BEARING			B	0000	EA		4.00	4.00	14-00	81376 000049
04	47B382419P1	WASHER			B	0000	EA		96.00	96.00	15-00	000050
04	N727P33040B	CAPSCREW			B	0000	EA		24.00	24.00	16-00	000051
04	N265P33B	LOCKNUT			B	0000	EA		32.00	32.00	17-00	000052
04	N265P34B	LOCKNUT			B	0000	EA		12.00	12.00	18-00	000053
04	N214P34B	HEX NUT			B	0000	EA		12.00	12.00	19-00	000054
04	N266P43B	LOCKNUT			B	0000	EA		48.00	48.00	20-00	000055
04	47B382420P1	JAM NUT			B	0000	EA		4.00	4.00	21-00	000056
04	N402AP17B	PLAIN WASHER, NARROW			B	0000	EA		64.00	64.00	22-00	000057
04	N402AP48B	PLAIN WASHER, REG.			B	0000	EA		24.00	24.00	23-00	000058
04	**47E382165-24	BOLT			B	0000	EA		24.00	24.00	24-00	000059
04	N22BP21016B	CAPSCREW			B	0000	EA		16.00	16.00	26-00	000060
04	47B382196P1	SPACER, CLEVIS BLOCK			M	0000	EA		4.00	4.00	27-00	000061
04	47B382196P2	SPCR, ACTUATOR CLEVIS.			M	0000	EA		8.00	8.00	28-00	000062
04	47C382181P2	TRACK, MTG BRACKET			M	0000	EA		2.00	2.00	29-00	000063
04	47D382198P2	CLEVIS BLOCK			M	0000	EA		2.00	2.00	30-00	000064
04	47C382278P1	MANIFOLD FITTING			M	0000	EA		2.00	2.00	31-00	000065
04	N22P25036B	CAPSCREW			B	0000	EA		8.00	8.00	32-00	000066
04	N402AP13B	PLAIN WASHER, NARROW			B	0000	EA		8.00	8.00	33-00	000067
04	N405P43B	LOCKWASHER - MEDIUM			B	5 0000	EA		8.00	8.00	34-00	000068
04	47B382277P1	DRIP TROUGH			M	0000	EA		2.00	2.00	35-00	000069
04	47B382277P2	DRIP TROUGH			M	0000	EA		2.00	2.00	36-00	000070
04	A100-4	TUBE FTG, MALE CONN.			B	0000	EA		4.00	4.00	37-00	97576 000071
04	A400-4	TUBE FTG, MALE ELBOW			B	0000	EA		16.00	16.00	38-00	97576 000072
04	700-4	TUBE FTG, TEE UNION			B	0000	EA		8.00	8.00	39-00	97576 000073
04	B7A17B	.250 O.D X .035 WALL			M	0000	FT		20.00	20.00	40-00	000074
03	47J382313G1	HYDR PIPING, YAW DR			M	0000	EA		1.00	1.00	3-00	000075
04	4538K1	TFE SEALER, TEFLON			B	0000	EA		1.00	1.00	1-00	39428 000076
04	**47J382313-2	ACCUMULATOR & V PKG			M	0000	EA		1.00	1.00	2-00	000077
04	**47J382313-3	YAW POWER UNIT			M	0000	EA		1.00	1.00	3-00	000078
04	4PN-SS	NIPPLE, PIPE			B	0000	EA		3.00	3.00	4-00	97576 000079
04	3043T18	"U" BOLT & NUTS			B	5 0000	EA		6.00	6.00	5-00	39428 000080
04	4PT-SS	TEE, PIPE			B	0000	EA		3.00	3.00	6-00	97576 000081
04	B7A17B-.035	TUBING, .250 OD			B	0000	FT		4.00	4.00	7-00	000082
04	B7A17B-.065	TUBING, .500 OD			B	0000	FT		200.00	200.00	8-00	000083
04	47C381075P1	HOSE ASSY			M	0000	EA		4.00	4.00	9-00	000084

I	VL IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		P	T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	DWG OUT									PL-LATE APPLY	C Y TIME
04	47C381075P2	HOSE ASSY			M		0000	EA	4.00	4.00	10-00	000085
04	47B381074P1	HOSE ASSY			M		0000	EA	2.00	2.00	11-00	000086
04	C9612-3	PRESSURE, SWITCH			B		0000	EA	3.00	3.00	12-00	89326 000087
04	HP36GT	VALVE, .50 NPT			B		0000	EA	3.00	3.00	13-00	01029 000088
04	22617-8	O-RING			B		0000	EA	10.00	10.00	14-00	01276 000089
04	980-8-8SS	CONNECTOR, BULKHEAD			B		0000	EA	2.00	2.00	15-00	97576 000090
04	100-8-4SS	CONNECTOR, MALE			B		0000	EA	3.00	3.00	16-00	97576 000091
04	100-8-8SS	CONNECTOR, MALE			B		0000	EA	3.00	3.00	17-00	97576 000092
04	8TFNSS	NIPPLE			B		0000	EA	8.00	8.00	18-00	97576 000093
04	A400-8SS	ELBOW, MALE			B		0000	EA	8.00	8.00	19-00	97576 000094
04	A600-8SS	TEE BRANCH, MALE			B		0000	EA	3.00	3.00	20-00	97576 000095
04	140-8-4SS	ADAPTER, REDUCER			B		0000	EA	4.00	4.00	21-00	97576 000096
04	700-8SS	TEE, UNION			B		0000	EA	16.00	16.00	22-00	97576 000097
04	100C-8SS	TUBE CAP			B		0000	EA	4.00	4.00	23-00	97576 000098
04	4HP	PLUG			B		0000	EA	3.00	3.00	24-00	97576 000099
04	100025	CLAMP ASSY			B		0000	EA	5.00	5.00	25-00	55017 000100
04	100050	CLAMP ASSY			B		0000	EA	103.00	103.00	26-00	55017 000101
04	8PRC-SS	CONNECTOR, REDUCING			B		0000	EA	3.00	3.00	27-00	97576 000102
04	300H1-15CG-04-K	PRESSURE TRANSDUCER			B		0000	EA	3.00	3.00	28-00	89326 000103
04	N405P41B	LOCK WASHER			B	5	0000	EA	12.00	12.00	29-00	000104
04	47E382314	HYDRAULIC SYS SCHEM			X		0000	EA		X	30-00	000105
03	**47D382593-4	GREASE SHIELD INSTL			M		0000	EA	1.00	1.00	4-00	000106
03	47E382594G1	YAW SLIP RING INSTL			M		0000	EA	1.00	1.00	5-00	000107
04	47D381019P1	SLIP RNG UN YAW AXIS			M		0000	EA	1.00	1.00	1-00	000108
04	47E381017	YAW SR ELECT INTFC			X		0000	EA		X	2-00	000109
04	**47E382594-3	CROSS BEAM			M		0000	EA	2.00	2.00	3-00	000110
04	**47E382594-4	MOUNTING BRACKET			M		0000	EA	1.00	1.00	4-00	000111
04	**47E382594-5	SUPPORT ANGLE			M		0000	EA	4.00	4.00	5-00	000112
04	**47E382594-6	YAW ELEC&INSTR INSTL			M		0000	EA	1.00	1.00	6-00	000113
04	N22P35052B	HEX HD BOLT			B		0000	EA	24.00	24.00	7-00	000114
04	N22AP35040B	HEX HD BOLT			B		0000	EA	12.00	12.00	8-00	000115
04	N265P35B	LOCK NUT, 3/4 DIA.			*		0000	EA	24.00	24.00	9-00	000116
04	N402P18B	WASHER, 3/4 DIA.			B		0000	EA	36.00	36.00	10-00	000117
04	N22P39068B	HEX HD BOLT			B		0000	EA	8.00	8.00	11-00	000118
04	N265P39B	LOCK NUT - 1 DIA.			B	5	0000	EA	8.00	8.00	12-00	000119
04	N402P20B	WASHER			B		0000	EA	8.00	8.00	13-00	000120
04	MS20995C20	LOCK WIRE			B	5	0000	FT		AR	14-00	000121
04	650LR-HAB350	POWER DISTR CONN			B		0000	EA	14.00	14.00	15-00	11117 000122
04	600BE	EXTENDER			B		0000	EA	6.00	6.00	16-00	11117 000123
04	**47E382594-17	DRAG LINK			M		0000	EA	2.00	2.00	17-00	000124
03	**47D382593-6	BRG, AUTO LUBE INSTL			M		0000	EA	1.00	1.00	6-00	000125
02	**47D382356-3	ELEC WIRE WAY INSTL			M		0000	EA	1.00	1.00	3-00	000126
02	47E382595G1	TWR PLATFORM INSTL			M		0000	EA	1.00	1.00	4-00	000127
03	**47E382595-1	LOWER PLATFORM ASSY			M		0000	EA	1.00	1.00	1-00	000128

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OF POOR QUALITY

LVL IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		P	T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
		DWG INC	OUT									PL-LATE APPLY	C	Y	TIME
03	**47E382595-2			M	0000	EA		1.00	1.00	2-00	000129
03	**47E382595-3			M	0000	EA		1.00	1.00	3-00	000130
03	**47E382595-4			M	0000	EA		1.00	1.00	4-00	000131
03	**47E382595-5			M	0000	EA		1.00	1.00	5-00	000132
03	**47E382595-6			M	0000	EA		1.00	1.00	6-00	000133
03	**47E382595-7			M	0000	EA		1.00	1.00	7-00	000134
03	**47E382595-8			M	0000	EA		12.00	12.00	8-00	000135
03	**47E382595-9			M	0000	EA		6.00	6.00	9-00	000136
03	**47E382595-10			M	0000	EA		1.00	1.00	10-00	000137
03	**47E382595-11			M	0000	EA		12.00	12.00	11-00	000138
03	**47E382595-12			M	0000	EA		12.00	12.00	12-00	000139
03	N22P35036B			B	0000	EA		36.00	36.00	13-00	000140
03	N264P35B			B	0000	EA		36.00	36.00	14-00	000141
03	N402P18B			B	0000	EA		36.00	36.00	15-00	000142
02	**47D382356-5			M	0000	EA		1.00	1.00	5-00	000143
02	**47D382356-6			M	0000	EA		1.00	1.00	6-00	000144
02	**47D382356-7			M	0000	EA		1.00	1.00	7-00	000145
02	47E382592G1			M	0000	EA		1.00	1.00	8-00	000146
03	**47E382592-1			M	0000	EA		1.00	1.00	1-00	000147
03	**47E382592-2			M	0000	EA		1.00	1.00	2-00	000148
03	47D382591P1			M	0000	EA		4.00	4.00	3-00	000149
03	15AS650			M	0000	EA		1.00	1.00	4-00	000150
03	47E382592P5			M	0000	EA		20.00	20.00	5-00	000151
03	47D382587P1			M	0000	EA		4.00	4.00	6-00	000152
03	N14P35060B			B	0000	EA		16.00	16.00	7-00	000153
03	N265P35B			*	0000	EA		16.00	16.00	8-00	000154
03	N402P18B			B	0000	EA		16.00	16.00	9-00	000155
03	PB34-414			B	0000	EA		16.00	16.00	10-00	000156
02	47E382571				X	0000	EA		X	9-00	000157
01	47E382601G1			M	0000	EA		1.00	1.00	2-00	000158
02	47E382441G1			M	0000	EA		1.00	1.00	1-00	000159
03	47E382602G1			M	0000	EA		1.00	1.00	1-00	000160
04	47E382600P1			M	0000	EA		1.00	1.00	1-00	000161
04	47D382609P1			M	0000	EA		2.00	2.00	2-00	000162
04	47E382602P3			M	0000	EA		6.00	6.00	3-00	000163
04	47E382602P4			M	0000	EA		1.00	1.00	4-00	000164
04	47E382602P5			M	0000	EA		1.00	1.00	5-00	000165
04	N500P12464C			M	0000	EA		8.00	8.00	6-00	000166
04	47C381036P14			B	0000	EA		16.00	16.00	7-00	000167
04	47C381088P5			B	0000	EA		16.00	16.00	8-00	000168
04	N405P52B			M	0000	EA		16.00	16.00	9-00	000169
04	47C381036P6			B	0000	EA		20.00	20.00	10-00	000170

LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		DWG	PL-LATE	P T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			INC	OUT										APPLY	C Y	TIME
04	47C381088P1	WASHER, 1.00 DIA					M	0000	EA	40.00	40.00	11-00	000171
04	47C381088P2	WASHER, 1.00 DIA					M	0000	EA	40.00	40.00	12-00	000172
04	47C381087P2	LOCKNUT					B	0000	EA	40.00	40.00	13-00	000173
04	47C381036P2	BOLT, FATIGUE RATED					B	0000	EA	20.00	20.00	14-00	000174
04	CHCKFAST-ORANGE	GROUTING					B	0000	EA	AR		15-00	20420 000175
04	47E382602P16	YOKE BRG CAP MACH					X	0000	EA		X	16-00	000176
03	47E382333P1	SPINDLE SHAFT					M	0000	EA	1.00	1.00	2-00	000177
03	47D381080P1	TPR RLR BRG, SPDL/AFT					M	0000	EA	1.00	1.00	3-00	80657 000178
03	47D381081P1	TPR RLR BRG, SPDL/FWD					M	0000	EA	1.00	1.00	4-00	80657 000179
03	47C382458P1	RETAINER, AFT					M	0000	EA	6.00	6.00	5-00	000180
03	47B381106P1	"O" RING SEAL, AFT					M	0000	EA	1.00	1.00	6-00	000181
03	47D382456P1	RTR SEAL RTNR, AFT					M	0000	EA	1.00	1.00	7-00	000182
03	47B382454P1	ANTI-ROTATION PIN					M	0000	EA	2.00	2.00	8-00	000183
03	47D382372P1	RTR BRG RETAINER, FWD					M	0000	EA	1.00	1.00	9-00	000184
03	47D382457P1	LOW SPEED BRAKE DISC					M	0000	EA	1.00	1.00	10-00	000185
03	47C382557P1	ROTOR BRG SHIM					M	0000	EA	4.00	4.00	11-00	000186
03	47B382558P1	INSERT, BRAKE DISC					M	0000	EA	120.00	120.00	12-00	000187
03	47C382559P1	RTR SEAL RTNR, FWD					M	0000	EA	1.00	1.00	13-00	000188
03	47C381102P1	ROTOR SEAL FWD					M	0000	EA	2.00	2.00	14-00	03668 000189
03	47C381103P1	ROTOR SEAL AFT					M	0000	EA	2.00	2.00	15-00	03668 000190
03	47D382455P1	DISC, RTR SPEED SNSR					M	0000	EA	1.00	1.00	16-00	000191
03	47C381104P1	STUD					M	0000	EA	120.00	120.00	17-00	000192
03	47C381104P2	STUD					M	0000	EA	120.00	120.00	18-00	000193
03	47C382560P1	PLUG, TORQUE PLATE					M	0000	EA	2.00	2.00	19-00	000194
03	47D381082P2	TORQUE PLATE					M	0000	EA	1.00	1.00	20-00	000195
03	47C381036P24	BOLT, FATIGUE RATED					B	0000	EA	36.00	36.00	21-00	000196
03	47C381088P9	WASHER, 1.50 DIA					M	0000	EA	72.00	72.00	22-00	000197
03	47C381087P9	NUT					B	0000	EA	36.00	36.00	23-00	000198
03	47B381109P1	WSHR, BELLEVILLE SPR					B	0000	EA	120.00	120.00	24-00	92830 000199
03	47C381087P5	NUT					B	0000	EA	360.00	360.00	25-00	000200
03	47C381088P5	WASHER, 1.25 DIA					B	0000	EA	240.00	240.00	26-00	000201
03	N2800P2	FITTING, LUBE					B	0000	EA	4.00	4.00	27-00	000202
03	N733P25016B	SCREW, TWELVE-POINT					B	0000	EA	78.00	78.00	28-00	000203
03	N405P43B	LOCKWASHER - MEDIUM					B	5 0000	EA	78.00	78.00	29-00	000204
03	N5700P6053B	PLUG, PIPE					B	0000	EA	4.00	4.00	30-00	000205
03	N733P29024B	SCREW, TWELVE-POINT					B	0000	EA	36.00	36.00	31-00	000206
03	N405P45B	WASHER, LOCK					B	5 0000	EA	36.00	36.00	32-00	000207
02	47D382435G1	LOW SPEED SHAFT ASSY					*	0000	EA	1.00	1.00	2-00	000208
03	47D382296P1	LOW SPEED SHAFT					*	0000	EA	1.00	1.00	1-00	000209
03	47D381082P1	COUPLING HUB, FWD					*	0000	EA	1.00	1.00	2-00	000210
03	47C381083P1	COUPLING HUB, AFT					*	0000	EA	1.00	1.00	3-00	000211
02	47C382436P1	SEAL RTNR, COUPLING					M	0000	EA	2.00	2.00	3-00	000212
02	47C382437P1	SEAL PL, FWD CPLG					M	0000	EA	6.00	6.00	4-00	000213
02	47C381110P1	SEAL, FWD, COUPLING					M	0000	EA	4.00	4.00	5-00	000214
02	47E382603G1	TEETER RSTR BK ASSY					M	0000	EA	2.00	2.00	6-00	000215

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LVL IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE P T CYCLE U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
		DWG INC	DWG OUT					
03	**47E382603-1			M	0000 EA	1.00	2.00	1-00 000216
03	**47E382603-2			M	0000 EA	1.00	2.00	2-00 000217
03	47D381010P2			M	0000 EA	2.00	4.00	3-00 000218
03	**47E382603-4			M	0000 EA	1.00	2.00	4-00 000219
03	**47E382603-5			M	0000 EA	1.00	2.00	5-00 000220
03	**47E382603-6			M	0000 EA	2.00	4.00	6-00 000221
03	**47E382603-7			M	0000 EA	1.00	2.00	7-00 000222
03	**47E382603-8			M	0000 EA	1.00	2.00	8-00 000223
03	**47E382603-9			M	0000 EA	1.00	2.00	9-00 000224
03	**47E382603-10			M	0000 EA	1.00	2.00	10-00 000225
03	**47E382603-11			M	0000 EA	1.00	2.00	11-00 000226
03	CR115GM101			B	0000 EA	1.00	2.00	12-00 02295 000227
03	N14P21012B			B	0000 EA	4.00	8.00	13-00 000228
03	N405P111B			B	0000 EA	4.00	8.00	14-00 000229
03	N14P25016B			B	0000 EA	34.00	68.00	15-00 000230
03	N405P113B			B	0000 EA	34.00	68.00	16-00 000231
03	N14P29016B			B	0000 EA	2.00	4.00	17-00 000232
03	N405P115B			B	0000 EA	2.00	4.00	18-00 000233
03	N14P35032B			B	0000 EA	4.00	8.00	19-00 000234
03	N405P118B			B	0000 EA	4.00	8.00	20-00 000235
03	N14P39048B			B	0000 EA	10.00	20.00	21-00 000236
03	N266P39B			B	0000 EA	10.00	20.00	22-00 000237
03	47C381036P14			B	0000 EA	12.00	24.00	23-00 000238
03	47C381087P5			B	0000 EA	12.00	24.00	24-00 000239
03	**47E382603-25			M	0000 EA	1.00	2.00	25-00 000240
03	271			B	0000 EA	AR		26-00 05972 000241
03	47C381088P6			B	0000 EA	24.00	48.00	28-00 000242
02	47E382603G2			M	0000 EA	2.00	2.00	7-00 000243
03	**47E382603-1			M	0000 EA	1.00	2.00	1-00 000244
03	**47E382603-2			M	0000 EA	1.00	2.00	2-00 000245
03	47D381010P2			M	0000 EA	2.00	4.00	3-00 000246
03	**47E382603-4			M	0000 EA	1.00	2.00	4-00 000247
03	**47E382603-5			M	0000 EA	1.00	2.00	5-00 000248
03	**47E382603-6			M	0000 EA	2.00	4.00	6-00 000249
03	**47E382603-7			M	0000 EA	1.00	2.00	7-00 000250
03	**47E382603-8			M	0000 EA	1.00	2.00	8-00 000251
03	**47E382603-9			M	0000 EA	1.00	2.00	9-00 000252
03	**47E382603-11			M	0000 EA	1.00	2.00	11-00 000253
03	CR115GM101			B	0000 EA	1.00	2.00	12-00 02295 000254
03	N14P21012B			B	0000 EA	4.00	8.00	13-00 000255
03	N405P111B			B	0000 EA	4.00	8.00	14-00 000256
03	N14P25016B			B	0000 EA	34.00	68.00	15-00 000257
03	N405P113B			B	0000 EA	34.00	68.00	16-00 000258
03	N14P29016B			B	0000 EA	2.00	4.00	17-00 000259
03	N405P115B			B	0000 EA	2.00	4.00	18-00 000260
03	N14P35032B			B	0000 EA	4.00	8.00	19-00 000261

LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE	P T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	DWG OUT									APPLY	C Y TIME
03	N405P118B	LOCKWASHER				B	0000	EA	4.00	8.00	20-00	000262
03	N14P39048B	SCREW,HEX HD				B	0000	EA	10.00	20.00	21-00	000263
03	N266P39B	LOCKNUT				B	0000	EA	10.00	20.00	22-00	000264
03	47C381036P14	BOLT,FATIGUE RATED				B	0000	EA	12.00	24.00	23-00	000265
03	47C381087P5	NUT				B	0000	EA	12.00	24.00	24-00	000266
03	**47E382603-25	HYDR FLUID LINE ASSY				M	0000	EA	1.00	2.00	25-00	000267
03	271	LOCKTITE				B	0000	EA	AR		26-00	05972 000268
03	**47E382603-27	BRKT ASSY,LIMIT SW				M	0000	EA	1.00	2.00	27-00	000269
03	47C381088P6	WASHER,1.25 DIA				B	0000	EA	24.00	48.00	28-00	000270
02	**47E382601-8	DRAG LINK				M	0000	EA	4.00	4.00	8-00	000271
02	**47E382601-9	CLAMP RING				M	0000	EA	1.00	1.00	9-00	000272
02	**47E382601-10	RTR BLADE HYD ASSY				M	0000	EA	1.00	1.00	10-00	000273
02	**47E382601-11	RTR BLADE ELECT ASSY				M	0000	EA	1.00	1.00	11-00	000274
02	N22BP29020B	BOLT, SLFLKG				B	0000	EA	48.00	48.00	12-00	000275
02	N22BP25016B	BOLT, SLFLKG				B	0000	EA	72.00	72.00	13-00	000276
02	N402P15B	WASHER				B	0000	EA	48.00	48.00	14-00	000277
02	N402P13B	WASHER				B	0000	EA	72.00	72.00	15-00	000278
02	N22P39048B	BOLT, HEX HD				B	0000	EA	12.00	12.00	16-00	000279
02	N402P20B	WASHER				B	0000	EA	20.00	20.00	17-00	000280
02	N22P39052B	BOLT, HEX HD				B	0000	EA	8.00	8.00	18-00	000281
02	N214P39B	NUT				B	0000	EA	8.00	8.00	19-00	000282
02	N22P45112B	BOLT, HEX HD				B	0000	EA	32.00	32.00	20-00	000283
02	N402P22B	WASHER				B	0000	EA	32.00	32.00	21-00	000284
02	N264P45B	LOCKNUT				B	0000	EA	32.00	32.00	22-00	000285
02	TA-30	PHILLYBOND ADHESIVE				B	0000	GA	AR		23-00	20420 000286
02	**47E382601-24	MTG BRACKET				B	0000	EA	4.00	4.00	24-00	000287
02	47D382604G1	SHAFT ALIGNMENT FTG				M	0000	EA	4.00	4.00	25-00	000288
03	47D382604P1	SHOE				M	0000	EA	1.00	4.00	1-00	000289
03	47D382604P2	ADJUSTING SCREW				M	0000	EA	1.00	4.00	2-00	000290
03	47D382604P3	BRACKET				M	0000	EA	1.00	4.00	3-00	000291
03	47D382604P4	PIN,6.00-LG X.50 DIA				M	0000	EA	2.00	8.00	4-00	000292
03	N504P2264	COTTER PIN				B	0000	EA	1.00	4.00	5-00	000293
03	N504P2224	COTTER PIN				B	0000	EA	1.00	4.00	6-00	000294
03	N402P20B	WASHER				B	0000	EA	1.00	4.00	7-00	000295
03	N402P81B	WASHER,FLAT				B	0000	EA	1.00	4.00	8-00	000296
03	47D382604P9	PAD,NYLON				M	0000	EA	2.00	8.00	9-00	000297
03	A15B60B1	ADH,ECCOBOND 2B1				B	0000	EA	AR		10-00	000298
02	**47E382601-26	HYD PIPING INSTL				M	0000	EA	1.00	1.00	26-00	000299
02	47E382601P27	GREASE				B	0000	LB	AR		27-00	000300
02	**47E382601-28	BLADE BUMPER ASSY				M	0000	EA	2.00	2.00	28-00	000301
01	47E382597G1	NACELLE OVERALL ASSY	1			M	0000	EA	1.00	1.00	3-00	000302
02	47E382363G1	NACELLE STRUCT ASSY	1			M	0000	EA	1.00	1.00	1-00	000303
03	47E382306G1	BED PL.,MACH.&DRILL.	01			M	0000	EA	1.00	1.00	1-00	000304

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LVL	IDENTIFICATION NO.	NOMENCLATURE	INC	DWG	ECN	PL-LATE	P	T	CYCLE	U/M	PL-QTY	EXT/TOT	QTY	ITEM/REF	DESG	FSCM	CROSS	
																		REF
04	47E382429P1	BED PL. STRUCT. WELD					M	0000	EA		1.00	1.00	1.00		1-00		000305	
04	47E382450P1	GEARBOX MTG. STRUCT.					M	0000	EA		1.00	1.00	1.00		2-00		000306	
04	47C381036P40	BOLT, STRUCT. 2-12					M	0000	EA		24.00	24.00	24.00		3-00		000307	
04	47C381087P18	NUT 2-12					M	0000	EA		24.00	24.00	24.00		4-00		000308	
04	47C381088P18	WASHER 2.00					B	0000	EA		24.00	24.00	24.00		5-00		000309	
04	47C381036P4	BOLT, FATIGUE RATED					M	0000	EA		20.00	20.00	20.00		6-00		000310	
04	47C381087P1	NUT					M	0000	EA		20.00	20.00	20.00		7-00		000311	
04	47C381088P2	WASHER, 1.00 DIA					M	0000	EA		20.00	20.00	20.00		8-00		000312	
04	47D382554P1	FLOORING, BEDPLATE					M	0000	EA		1.00	1.00	1.00		9-00		000313	
04	N73P35040B	BOLT, STRUCT. .75-10					M	0000	EA		36.00	36.00	36.00		10-00		000314	
04	N272P35	LOCKNUT .75-10					M	0000	EA		36.00	36.00	36.00		11-00		000315	
04	N402P48B	WASHER .75					*	0000	EA		36.00	36.00	36.00		12-00		000316	
04	A15F6C18	RTV SILICONE SEALANT					M	0000	OZ	AR					13-00		000317	
04	47C381088P17	WASHER 2.00					M	0000	EA		24.00	24.00	24.00		14-00		000318	
04	47C381088P1	WASHER, 1.00 DIA					M	0000	EA		20.00	20.00	20.00		15-00		000319	
03	47E382265P1	SIDE SUPPORT					M	0000	EA		1.00	1.00	1.00		2-00		000320	
03	47E382265P2	SIDE SUPPORT					M	0000	EA		1.00	1.00	1.00		3-00		000321	
03	47D382577P1	TOP STRUCTURE, AFT					M	0000	EA		1.00	1.00	1.00		4-00		000322	
03	47E382272P1	ROTOR ADAPTER STRL					M	0000	EA		1.00	1.00	1.00		5-00		000323	
03	47C381036P2	BOLT, FATIGUE RATED					B	0000	EA		32.00	32.00	32.00		6-00		000324	
03	47C381036P6	BOLT, FATIGUE RATED					B	0000	EA		60.00	60.00	60.00		7-00		000325	
03	47C381036P20	BOLT, FATIGUE RATED					B	0000	EA		88.00	88.00	88.00		8-00		000326	
03	47C381036P10	BOLT, FATIGUE RATED					B	0000	EA		12.00	12.00	12.00		9-00		000327	
03	47C381036P25	BOLT, FATIGUE RATED					B	0000	EA		36.00	36.00	36.00		10-00		000328	
03	47C381087P2	LOCKNUT					B	0000	EA		92.00	92.00	92.00		11-00		000329	
03	47C381087P6	LOCKNUT					B	0000	EA		12.00	12.00	12.00		12-00		000330	
03	47C381087P10	LOCKNUT					B	0000	EA		124.00	124.00	124.00		13-00		000331	
03	47C381088P1	WASHER, 1.00 DIA					M	0000	EA		92.00	92.00	92.00		14-00		000332	
03	47C381088P5	WASHER, 1.25 DIA					B	0000	EA		12.00	12.00	12.00		15-00		000333	
03	47C381088P9	WASHER, 1.50 DIA					M	0000	EA		136.00	136.00	136.00		16-00		000334	
03	90681A487	PIN, TAPER					B	0000	EA		6.00	6.00	6.00		17-00	39428	000335	
03	47D382575P1	TOP STRUCTURE FWD					M	0000	EA		1.00	1.00	1.00		18-00		000336	
03	47E382578P1	CRANE, MOUNTING STRL					M	0000	EA		1.00	1.00	1.00		19-00		000337	
03	47D382572P1	SPACER, ADAPTER					M	0000	EA		1.00	1.00	1.00		20-00		000338	
03	47D382572P2	SPACER, ADAPTER					M	0000	EA		1.00	1.00	1.00		21-00		000339	
03	47D382572P3	SPACER, ADAPTER					M	0000	EA		1.00	1.00	1.00		22-00		000340	
03	47D382572P4	SPACER, ADAPTER					M	0000	EA		1.00	1.00	1.00		23-00		000341	
03	47D382572P5	SPACER, SIDE SUPPORT					M	0000	EA		4.00	4.00	4.00		24-00		000342	
03	47D382572P6	SPACER, SIDE SUPPORT					M	0000	EA		2.00	2.00	2.00		25-00		000343	
03	47D382572P7	SPACER, SIDE SUPPORT					M	0000	EA		2.00	2.00	2.00		26-00		000344	
03	47C381088P2	WASHER, 1.00 DIA					M	0000	EA		105.00	105.00	105.00		27-00		000345	
03	47C381088P10	WASHER, 1.50 DIA					B	0000	EA		136.00	136.00	136.00		28-00		000346	
03	47C381088P6	WASHER, 1.25 DIA					B	0000	EA		12.00	12.00	12.00		29-00		000347	
03	47C381036P26	BOLT, FATIGUE RATED					B	0000	EA		12.00	12.00	12.00		30-00		000348	
03	47C381087P9	NUT					B	0000	EA		12.00	12.00	12.00		31-00		000349	
03	47C381036P1	BOLT, FATIGUE RATED					B	0000	EA		14.00	14.00	14.00		32-00		000350	
03	47E382580P1	SEAL, TOP STRUCTURE					M	0000	EA		1.00	1.00	1.00		33-00		000351	

LVL	IDENTIFICATION NO.	NOMENCLATURE	ECN		PL-LATE	P T CYCLE	U/M	PL-QTY	EXT/TOT	QTY	ITEM/REF	DESG	FSCM	CROSS REF
			DWG INC	OUT											APPLY	C	Y	TIME
03	47D382588P1	CROSS SPRT TOP STRL	M	0000	EA	1.00	EA	1.00	1.00	EA	34-00	000352	000352	
03	47B382580P2	SEAL, TOP STRUCTURE	M	0000	EA	1.00	EA	1.00	1.00	EA	35-00	000353	000353	
03	47B382580P3	SEAL, TOP STRUCTURE	M	0000	EA	2.00	EA	2.00	2.00	EA	36-00	000354	000354	
03	N733P350408	BOLT, STRUCT. .75-10	M	0000	EA	20.00	EA	20.00	20.00	EA	37-00	000355	000355	
03	N733P35064B	BOLT, STRL	B	0000	EA	8.00	EA	8.00	8.00	EA	38-00	000356	000356	
03	N402P18B	WASHER, 3/4 DIA.	B	0000	EA	56.00	EA	56.00	56.00	EA	39-00	000357	000357	
03	N272P35	LOCKNUT .75-10	M	0000	EA	28.00	EA	28.00	28.00	EA	40-00	000358	000358	
03	47D382576P1	TOP, STRL, AFT, WLDMT	M	0000	EA	1.00	EA	1.00	1.00	EA	41-00	000359	000359	
03	47D382574P1	TOP, STRL, FWD, WLDMT	M	0000	EA	1.00	EA	1.00	1.00	EA	42-00	000360	000360	
03	47E382264P1	SIDE SUPPORT, WLDMT	M	0000	EA	1.00	EA	1.00	1.00	EA	43-00	000361	000361	
03	47E382271P1	ROTOR ADAPTER, WLDMT	M	0000	EA	1.00	EA	1.00	1.00	EA	44-00	000362	000362	
02	47E382553G1	GEARBOX INSTALLATION	M	0000	EA	1.00	EA	1.00	1.00	EA	2-00	000363	000363	
03	47E381046P1	GEARBOX ENVELOPE	B	0000	EA	1.00	EA	1.00	1.00	EA	1-00	000364	000364	
03	NUMBER - 14	TAPER PIN 6.00 LG	B	0000	EA	4.00	EA	4.00	4.00	EA	2-00	76054	000365	
03	47C381036P50	BOLT	B	0000	EA	36.00	EA	36.00	36.00	EA	3-00	000366	000366	
03	47C381088P21	WASHER	B	0000	EA	36.00	EA	36.00	36.00	EA	4-00	000367	000367	
03	47C381087P22	LOCKNUT	B	0000	EA	36.00	EA	36.00	36.00	EA	5-00	000368	000368	
03	47C381088P22	WASHER	B	0000	EA	36.00	EA	36.00	36.00	EA	6-00	000369	000369	
02	47D382589G1	GEN & HS SFT INSTL	M	0000	EA	1.00	EA	1.00	1.00	EA	3-00	000370	000370	
03	**47D382589-1	GENERATOR	B	0000	EA	1.00	EA	1.00	1.00	EA	1-00	000371	000371	
03	47D381078P1	HIGH SPEED SFT ASSY	B	0000	EA	1.00	EA	1.00	1.00	EA	2-00	000372	000372	
02	47D382596G1	AUX CRANE INSTL	M	0000	EA	1.00	EA	1.00	1.00	EA	4-00	000373	000373	
03	P20-10-30-20	CRANE	B	0000	EA	1.00	EA	1.00	1.00	EA	1-00	58811	000374	
03	N405P49B	LOCKWASHER	B	0000	EA	36.00	EA	36.00	36.00	EA	2-00	000375	000375	
03	N22P36064B	BOLT	B	0000	EA	36.00	EA	36.00	36.00	EA	3-00	000376	000376	
02	47D382606G1	FAIRING INSTALLATION	M	0000	EA	1.00	EA	1.00	1.00	EA	5-00	000377	000377	
03	47E381113P1	FAIRING ENVELOPE	B	0000	EA	1.00	EA	1.00	1.00	EA	1-00	000378	000378	
03	47D382606P2	SEALING STRIP	M	0000	EA	AR	EA	AR	AR	EA	2-00	000379	000379	
03	47D382606P3	ADHESIVE (SEE NOTE 4)	B	0000	EA	AR	EA	AR	AR	EA	3-00	000380	000380	
03	BN350-813-3	BLIND NUT ASSY	B	5	0000	EA	56.00	EA	56.00	EA	4-00	73197	000381	
03	N24P29048C	SCREW, HEX HD	B	0000	EA	48.00	EA	48.00	48.00	EA	5-00	000382	000382	
03	N405P15C	WASHER, LOCK	B	5	0000	EA	56.00	EA	56.00	EA	6-00	000383	000383	
03	N402P15C	WASHER 1/2 DIA	B	5	0000	EA	56.00	EA	56.00	EA	7-00	000384	000384	
03	N24P29024C	SCREW, HEX HD	B	0000	EA	8.00	EA	8.00	8.00	EA	8-00	000385	000385	
03	**47D382606-9	WINT SENSOR MAST	M	0000	EA	2.00	EA	2.00	2.00	EA	9-00	000386	000386	
02	**47E382597-6	ELECT EQUIP INSTL	M	0000	EA	1.00	EA	1.00	1.00	EA	6-00	000387	000387	
02	47E382472G1	LAD & FALSE FL INSTL	M	0000	EA	1.00	EA	1.00	1.00	EA	7-00	000388	000388	
03	47D382430G1	TRAP DR. BEDPL / TWR	M	0000	EA	2.00	EA	2.00	2.00	EA	1-00	000389	000389	
04	47D382430P1	COVER	M	0000	EA	1.00	EA	1.00	1.00	EA	1-00	000390	000390	

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LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE	P T	CYCLE	U/M	PL-QTY	EXT/TOT	QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	OUT										APPLY	C Y	TIME
04	47D382430P2	ANGLE			M	0000	EA		2.00	4.00		2-00	000391
04	47D382430P3	ANGLE			M	0000	EA		2.00	4.00		3-00	000392
04	47D382430P4	RIB			M	0000	EA		2.00	4.00		4-00	000393
04	47D382430P5	PLATE			M	0000	EA		1.00	2.00		5-00	000394
04	47D382430P6	BAR			M	0000	EA		1.00	2.00		6-00	000395
04	47B382131P1	ENCLOSURE, DOOR			*	0000	EA		1.00	2.00		7-00	000396
04	47C381030P1	HINGE, TRAP DOOR			*	0000	EA		1.00	2.00		8-00	000397
03	47D382430G2	TRAP DR, BEDPL / TWR			M	0000	EA		2.00	2.00		2-00	000398
04	47D382430P1	COVER			M	0000	EA		1.00	2.00		1-00	000399
04	47D382430P2	ANGLE			M	0000	EA		2.00	4.00		2-00	000400
04	47D382430P3	ANGLE			M	0000	EA		2.00	4.00		3-00	000401
04	47D382430P4	RIB			M	0000	EA		2.00	4.00		4-00	000402
04	47D382430P6	BAR			M	0000	EA		1.00	2.00		6-00	000403
04	47B382131P1	ENCLOSURE, DOOR			*	0000	EA		1.00	2.00		7-00	000404
04	47C381030P1	HINGE, TRAP DOOR			*	0000	EA		1.00	2.00		8-00	000405
03	47D382474G1	TRAP DR, BEDPL / LUBE			M	0000	EA		1.00	1.00		3-00	000406
04	47D382474P1	COVER			M	0000	EA		1.00	1.00		1-00	000407
04	47D382474P2	ANGLE			M	0000	EA		2.00	2.00		2-00	000408
04	47D382474P3	ANGLE			M	0000	EA		2.00	2.00		3-00	000409
04	47D382474P4	RIB			M	0000	EA		2.00	2.00		4-00	000410
04	47D382474P5	PLATE			M	0000	EA		1.00	1.00		5-00	000411
04	47D382474P6	BAR			M	0000	EA		1.00	1.00		6-00	000412
04	47B382131P1	ENCLOSURE, DOOR			*	0000	EA		1.00	1.00		7-00	000413
04	47C381030P1	HINGE, TRAP DOOR			*	0000	EA		1.00	1.00		8-00	000414
03	47D382474G2	TRAP DR, BEDPL / LUBE			M	0000	EA		1.00	1.00		4-00	000415
04	47D382474P1	COVER			M	0000	EA		1.00	1.00		1-00	000416
04	47D382474P2	ANGLE			M	0000	EA		2.00	2.00		2-00	000417
04	47D382474P3	ANGLE			M	0000	EA		2.00	2.00		3-00	000418
04	47D382474P4	RIB			M	0000	EA		2.00	2.00		4-00	000419
04	47D382474P6	BAR			M	0000	EA		1.00	1.00		6-00	000420
04	47B382131P1	ENCLOSURE, DOOR			*	0000	EA		1.00	1.00		7-00	000421
04	47C381030P1	HINGE, TRAP DOOR			*	0000	EA		1.00	1.00		8-00	000422
03	47D382465P1	FRAME, TRAP DOOR			M	0000	EA		2.00	2.00		5-00	000423
03	47C382475P1	MOUNTING BLOCK			M	0000	EA		2.00	2.00		6-00	000424
03	**47E382472-7	FALSE FLOOR			M	0000	EA		1.00	1.00		7-00	000425
03	47E382472P8	ROOF SCUTTLE			B	0000	EA		1.00	1.00		8-00	000426
03	**47E382472-9	LADDER, ROOF			M	0000	EA		1.00	1.00		9-00	000427
03	**47E382472-10	LADDER, TOWER			M	0000	EA		2.00	2.00		10-00	000428
03	47E382472P11	SEALING STRIP			M	0000	EA					11-00	000429
03	N727P29016B	BOLT, STRUCTURAL			B	0000	EA		32.00	32.00		12-00	000430
03	N402P45B	WASHER			B	0000	EA		72.00	72.00		13-00	000431
03	N265P29B	NUT, SELF-LOCKING .50*			*	0000	EA		112.00	112.00		14-00	000432

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LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE	P T	CYCLE	U/M	PL-QTY	EXT/TOT	QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	OUT										APPLY	C Y	TIME
03	N727P29036B	BOLT, STRUCTURAL			B	0000	EA		48.00	48.00		15-00	000433
03	91151A033	WASHER, BEVEL			B	0000	EA		40.00	40.00		16-00	39428 000434
03	N727P29052B	BOLT, STRUCTURAL			B	0000	EA		28.00	28.00		17-00	000435
03	**47E382472-18	BRACKET, LADDER			M	0000	EA		8.00	8.00		18-00	000436
03	**47E382472-19	BRACKET, LADDER			M	0000	EA		1.00	1.00		19-00	000437
03	**47E382472-20	BRACKET, LADDER			M	0000	EA		1.00	1.00		20-00	000438
03	**47E382472-21	BRACKET, LADDER			M	0000	EA		2.00	2.00		21-00	000439
03	N727P29028B	BOLT, STRUCTURAL			B	0000	EA		24.00	24.00		22-00	000440
03	A15F6C18	RTV SILICONE SEALANT			M	0000	OZ		AR			23-00	000441
02	47E382570G1	LUBE PLATFORM INSTL			M	0000	EA		1.00	1.00		8-00	000442
03	47E382579G1	COOLING PLATFORM ASM			M	0000	EA		1.00	1.00		1-00	000443
04	47E382556G1	GEARBOX/CLG PLATFORM			M	0000	EA		1.00	1.00		1-00	000444
05	47E382556P1	ANGLE, 4 X 4 X 3/8			M	0000	EA		4.00	4.00		1-00	000445
05	47E382556P2	CHANNEL, 8-20 LB			M	0000	EA		2.00	2.00		2-00	000446
05	47E382556P3	CHANNEL, 6-16.3 LB			M	0000	EA		4.00	4.00		3-00	000447
05	47E382556P4	ANGLE, 3X3-7.2 LB			M	0000	EA		4.00	4.00		4-00	000448
05	47E382556P5	CHANNEL, 8-20 LB			M	0000	EA		4.00	4.00		5-00	000449
05	47E382556P6	9-IN X 2 1/2 DP DECK			M	0000	EA		14.00	14.00		6-00	000450
05	47E382556P7	6-IN X 2 1/2 DP DECK			M	0000	EA		1.00	1.00		7-00	000451
05	47E382556P8	9-IN X 2 1/2 DP DECK			M	0000	EA		1.00	1.00		8-00	000452
05	47E382556P9	END PLATE 4.0 HT			M	0000	EA		2.00	2.00		9-00	000453
05	47E382556P10	SIDE PLATE 4.0 HT			M	0000	EA		2.00	2.00		10-00	000454
05	47E382556P11	ANGLE, 3 X 3 X 3/8			M	0000	EA		4.00	4.00		11-00	000455
05	47E382556P12	ANGLE, 3 X 3 X 3/8			M	0000	EA		4.00	4.00		12-00	000456
05	47E382556P13	ANGLE, 3 X 3 X 3/8			M	0000	EA		2.00	2.00		13-00	000457
05	47E382556P14	ANGLE, 3 X 3 X 3/8			M	0000	EA		2.00	2.00		14-00	000458
05	N22P28024B	SCREW, HEX HD, 1/2-13			B	0000	EA		130.00	130.00		15-00	000459
05	N405P15B	LOCKWASHER			B	0000	EA		130.00	130.00		16-00	000460
05	N214FP29B	NUT, HEX, 1/2-13			B	0000	EA		130.00	130.00		17-00	000461
05	1-700	CRIMPING TOOL			B	0000	EA		1.00	1.00		18-00	09098 000462
05	1-600	J-BOLT/NUT/WASHER			B	0000	EA		12.00	12.00		19-00	09098 000463
04	47C382584G1	MOT/PUMP/CLR PLATF			M	0000	EA		1.00	1.00		2-00	000464
05	47C382584P1	PLATE, BASE			M	0000	EA		1.00	1.00		1-00	000465
05	47C382584P2	BEAM, 4 W 13#			M	0000	EA		2.00	2.00		2-00	000466
05	47C382584P3	BEAM, 6 W 9#			M	0000	EA		2.00	2.00		3-00	000467
05	N22P33020B	SCREW, HEX HD			B	0000	EA		16.00	16.00		4-00	000468
05	N405P77B	LOCKWASHER			B	0000	EA		16.00	16.00		5-00	000469
04	350-SERIES-3DC	PUMP			B	0000	EA		1.00	1.00		3-00	59180 000470
04	326T-FRAME	MOTOR, TEFC			B	0000	EA		1.00	1.00		4-00	000471
04	N620B-SERIES-N600	COUPLING			B	0000	EA		1.00	1.00		5-00	89040 000472
04	OCS-2000D	OIL COOLER			B	0000	EA		3.00	3.00		6-00	67049 000473
04	B9281/2F	CHECKVALVE, SWG, 125LB			B	0000	EA		1.00	1.00		7-00	63686 000474

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LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE	P	T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	OUT										APPLY	C	Y	TIME
04	MODEL-400-D	FILTER,DUPLEX,4-IN				B	0000	EA		1.00	1.00	8-00 61424	000475
04	**47E382579-9	BASE,FILTER SUPPORT				M	0000	EA		1.00	1.00	9-00	000476
04	47C381084P1	VALVE,THERMO,AMOT				M	0000	EA		1.00	1.00	10-00	000477
04	47C381086P1	VALVE,RELIEF,4-IN				M	0000	EA		1.00	1.00	11-00	000478
04	FIG-258-32IN-LONG	SADDLE SUPPORT,4 IN				B	0000	EA		2.00	2.00	12-00 92959	000479
04	FIG-258-12.5IN-LONG	SADDLE SUPPORT,4 IN				B	0000	EA		1.00	1.00	13-00 92959	000480
04	FIG-277	PIPE ROLL & PLATE				B	0000	EA		1.00	1.00	14-00 92959	000481
04	105E-SIZE-4	TEE,FLANGED,250 LB				B	0000	EA		1.00	1.00	15-00 40475	000482
04	47E382579P16	PIPE,SCHED 40,5-IN				M	0000	FT		7.00	7.00	16-00	000483
04	290E-SIZE-5	FLANGE,SLIP-ON 300LB				B	0000	EA		2.00	2.00	17-00 40475	000484
04	47E382579P18	PIPE,SCHED 40				M	0000	FT		90.00	90.00	18-00	000485
04	290E-SIZE-4	FLANGE,SLIP-ON,300LB				B	0000	EA		12.00	12.00	19-00 40475	000486
04	264E-SIZE-4	TEE,STRAIGHT,300LB				B	0000	EA		4.00	4.00	20-00 40475	000487
04	264E-SIZE-4-X-3	TEE,REDUCING,300LB				B	0000	EA		3.00	3.00	21-00 40475	000488
04	260E-SIZE-4	ELBOW,STRAIGHT,300LB				B	0000	EA		10.00	10.00	22-00 40475	000489
04	1981/2E	UNION-3IN,300LB				B	0000	EA		6.00	6.00	23-00 40475	000490
04	47E382579P24	PIPE,SCHED 40,3IN				M	0000	FT		5.00	5.00	24-00	000491
04	FIG-268E-SIZE-3	ELBOW,STREET,300LB				B	0000	EA		6.00	6.00	25-00 40475	000492
04	260E-SIZE-4-X-3	ELBOW,REDUCING,300LB				B	0000	EA		3.00	3.00	26-00 40475	000493
04	N22P35056B	SCREW,HEX HD				B	0000	EA		120.00	120.00	27-00	000494
04	N405P48B	LOCKWASHER				B	0000	EA		120.00	120.00	28-00	000495
04	N214P35B	NUT				B	0000	EA		120.00	120.00	29-00	000496
04	N22P33036B	SCREW,HEX HD				B	0000	EA		8.00	8.00	30-00	000497
04	N405P47B	LOCKWASHER				B	0000	EA		50.00	50.00	31-00	000498
04	N214P33B	NUT				B	0000	EA		50.00	50.00	32-00	000499
04	N22P33032B	SCREW,HEX HD				B	0000	EA		10.00	10.00	33-00	000500
04	N402AP17B	PLAIN WASHER, NARROW				B	0000	EA		50.00	50.00	34-00	000501
04	N22P33020B	SCREW,HEX HD				B	0000	EA		40.00	40.00	35-00	000502
04	N22P29018B	SCREW,HEX HD				B	0000	EA		8.00	8.00	36-00	000503
04	N405P45B	WASHER, LOCK				B 5	0000	EA		8.00	8.00	37-00	000504
03	427D-SIZE-4	ELBOW, LONG				B	0000	EA		6.00	6.00	2-00 14959	000505
03	427D-SIZE-5	ELBOW, LONG				B	0000	EA		3.00	3.00	3-00 14959	000506
03	47E382570P4	PIPE ASSY				M	0000	EA		1.00	1.00	4-00	000507
03	47E382570P5	PIPE ASSY				M	0000	EA		1.00	1.00	5-00	000508
03	47E382570P6	PIPE ASSY				M	0000	EA		1.00	1.00	6-00	000509
03	47E382570P7	PIPE ASSY				M	0000	EA		1.00	1.00	7-00	000510
03	47E382570P8	PIPE ASSY				M	0000	EA		1.00	1.00	8-00	000511
03	47E382570P9	PIPE ASSY				M	0000	EA		1.00	1.00	9-00	000512
03	47E382570P10	PIPE ASSY				M	0000	EA		1.00	1.00	10-00	000513
03	47E382570P11	PIPE ASSY				M	0000	EA		1.00	1.00	11-00	000514
03	47E382570P12	PIPE ASSY				M	0000	EA		1.00	1.00	12-00	000515
03	47E382570P13	PIPE ASSY				M	0000	EA		1.00	1.00	13-00	000516
03	294E-SIZE-4	FLANGE,SLIP ON				B	0000	EA		14.00	14.00	14-00 14959	000517
03	294E-SIZE-5	FLANGE,SLIP ON				B	0000	EA		6.00	6.00	15-00 14959	000518
03	47C381039P1	EXPANSION JOINT				M	0000	EA		2.00	2.00	16-00	000519
03	47C381039P2	EXPANSION JOINT				M	0000	EA		1.00	1.00	17-00	000520
03	FIG-88-SIZE-4	U-BOLT				B	0000	EA		2.00	2.00	18-00 96723	000521
03	FIG-88-SIZE-5	U-BOLT				B	0000	EA		1.00	1.00	19-00 96723	000522

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IVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE P T CYCLE U/M PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	OUT					APPLY	C Y TIME
03	91151A031	WASHER, BEVEL			B 0000 EA	4.00	4.00	20-00 39428 000523
03	91151A33	WASHER, BEVEL			B 0000 EA	2.00	2.00	21-00 39428 000524
03	FIG-9-SIZE-5	HANGER, PEAR			B 0000 EA	1.00	1.00	22-00 96723 000525
03	FIG-500-5/8-DIA	ROD, THREADED			B 0000 EA	1.00	1.00	23-00 96723 000526
03	N214P33B	NUT			B 0000 EA	2.00	2.00	24-00 000527
03	N727P35056B	BOLT, STRUCTURAL			B 0000 EA	200.00	200.00	25-00 000528
03	N405P48B	LOCKWASHER			B 0000 EA	200.00	200.00	26-00 000529
03	N214P35B	NUT			B 0000 EA	200.00	200.00	27-00 000530
03	N727P35048B	BOLT, STRUCTURAL			B 0000 EA	32.00	32.00	28-00 000531
03	N402P48B	WASHER .75			* 0000 EA	32.00	32.00	29-00 000532
03	N265P35B	LOCK NUT, 3/4 DIA.			* 0000 EA	32.00	32.00	30-00 000533
03	91151A036	WASHER, BEVEL			B 0000 EA	32.00	32.00	31-00 39428 000534
03	47C382020	LUBRICATION SCHEM			X 0000 EA		X	32-00 000535
02	**47E382597-9	ELECT WW & CND INSTL			M 0000 EA	1.00	1.00	9-00 000536
02	47C381036P20	BOLT, FATIGUE RATED			B 0000 EA	120.00	120.00	10-00 000537
02	47C381087P13	NUT, FATIGUE RATED			B 0000 EA	120.00	120.00	11-00 000538
02	47C381088P14	WASHER, HARDENED STL			B 0000 EA	120.00	120.00	12-00 000539
02	47C381088P13	WASHER, HARDENED STL			B 0000 EA	120.00	120.00	13-00 000540
02	A15F6C18	RTV SILICONE SEALANT			M 0000 OZ		AR	14-00 000541
02	47D382598G1	LFT BRACKETS INSTL			M 0000 EA	1.00	1.00	15-00 000542
03	47C382485P1	LIFTING, BRKT			M 0000 EA	2.00	2.00	1-00 000543
03	47D382555P1	LIFTING BRKT			M 0000 EA	2.00	2.00	2-00 000544
03	47C381088P9	WASHER, 1.50 DIA			M 0000 EA	24.00	24.00	3-00 000545
03	47C381087P9	NUT			B 0000 EA	24.00	24.00	4-00 000546
03	47C381036P24	BOLT, FATIGUE RATED			B 0000 EA	8.00	8.00	5-00 000547
03	47C381036P20	BOLT, FATIGUE RATED			B 0000 EA	8.00	8.00	6-00 000548
03	47C381036P22	BOLT, FATIGUE RATED			B 0000 EA	8.00	8.00	7-00 000549
03	47D382598P8	SPACER, STA 227.5			M 0000 EA	4.00	4.00	8-00 000550
03	47D382598P9	SPACER, STA 227.5			M 0000 EA	2.00	2.00	9-00 000551
03	47C381088P10	WASHER, 1.50 DIA			B 0000 EA	24.00	24.00	10-00 000552
02	47E387062G1	CONT ELEK CAB, (CEC)			M 0000 EA	1.00	1.00	16-00 000553
03	47E381100P1	CABINET			M 0000 EA	1.00	1.00	1-00 000554
03	47D381040P1	HEAT EXCHANGER			M 0000 EA	2.00	2.00	2-00 000555
03	47E382491G1	AIR DUCT UNIT			M 0000 EA	2.00	2.00	3-00 000556
03	NP136931-A1	SIGNATURE STRIP			B 5 0000 EA	1.00	1.00	4-00 000557
03	N530P405G	SCR, DR RD HD, #4 X.31			B 0000 EA	4.00	4.00	5-00 000558
03	NP-206417	NAMEPLATE			B 5 0000 EA	1.00	1.00	6-00 000559
03	47A380070P3	NPL, AN/REV STATUS			* 0000 EA	1.00	1.00	7-00 000560
03	47A380052	ELECTRICAL FAB. STD			X 5 0000 EA		X	8-00 000561
03	47E387064	SCHEMATIC			X 0000 EA		X	9-00 000562
03	**47E387062-10	WIRE LIST			X 0000 EA		X	10-00 000563
03	47A380046	CONT ELEK CAB SPEC			X 0000 EA		X	11-00 000564
03	47C382234P1	GASKET			M 0000 EA	2.00	2.00	12-00 000565
03	**47E387062-13	PANEL, REAR RIGHT			M 0000 EA	1.00	1.00	13-00 000566
03	**47E387062-14	PANEL, REAR LEFT			M 0000 EA	1.00	1.00	14-00 000567

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LVL IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE P T CYCLE U/M PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
		DWG INC	OUT				
03	47A381067P8			M 0000 EA	8.00	8.00	15-00 000568
03	47A381067P9			M 0000 EA	81.00	81.00	16-00 000569
03	47A381067P10			M 0000 EA	47.00	47.00	17-00 000570
03	47A381067P31			M 0000 EA	1.00	1.00	18-00 000571
03	**47E387062-19			M 0000 EA	3.00	3.00	19-00 000572
03	47B382248P1			M 0000 EA	1.00	1.00	20-00 000573
03	47B382248P2			M 0000 EA	1.00	1.00	21-00 000574
03	47A381067P23			M 0000 EA	1.00	1.00	22-00 000575
03	**47E387062-23			M 0000 EA	1.00	1.00	23-00 000576
03	**47E387062-24			M 0000 EA	1.00	1.00	24-00 000577
03	**47E387062-25			M 0000 EA	1.00	1.00	25-00 000578
03	47A381045PAR			M 0000 EA	AR		26-00 000579
03	A-72FSCPS			M 0000 EA	2.00	2.00	27-00 00843 000580
03	A-72RP24F5			M 0000 EA	1.00	1.00	28-00 00843 000581
03	47D387070G1			* 0000 EA	1.00	1.00	29-00 000582
04	47D387070P1			* 0000 EA	1.00	1.00	1-00 000583
04	47D387070P2			* 0000 EA	2.00	2.00	2-00 000584
04	55-024-3-ZI			* 0000 EA	29.00	29.00	3-00 46384 000585
04	5-832-3-ZI			* 0000 EA	6.00	6.00	4-00 46384 000586
04	5-632-3-ZI			B 5 0000 EA	28.00	28.00	5-00 46384 000587
03	**47E387062-30			M 0000 EA	1.00	1.00	30-00 000588
03	47E387095G1			M 0000 EA	1.00	1.00	31-00 000589
04	47E387115P1			M 0000 EA	1.00	1.00	1-00 000590
04	47A381067P16			M 0000 EA	1.00	1.00	2-00 000591
04	47A381067P18			M 0000 EA	2.00	2.00	3-00 000592
04	5500-30			B 0000 EA	2.00	2.00	4-00 08730 000593
04	47A381067P1			M 0000 EA	1.00	1.00	5-00 000594
04	47A381067P17			M 0000 EA	1.00	1.00	6-00 000595
04	47A381067P3			M 0000 EA	1.00	1.00	7-00 000596
04	47A381067P5			M 0000 EA	1.00	1.00	8-00 000597
04	47A381067P4			M 0000 EA	1.00	1.00	9-00 000598
04	47A381067P2			M 0000 EA	1.00	1.00	10-00 000599
04	47A381067P15			M 0000 EA	1.00	1.00	11-00 000600
04	47A381067P14			M 0000 EA	1.00	1.00	12-00 000601
04	47A381067P20			M 0000 EA	15.00	15.00	13-00 000602
04	47A381067P11			M 0000 EA	2.00	2.00	14-00 000603
04	47A381067P12			M 0000 EA	3.00	3.00	15-00 000604
04	47A381067P13			M 0000 EA	2.00	2.00	16-00 000605
04	47A381067P6			M 0000 EA	3.00	3.00	17-00 000606
04	47A381067P7			M 0000 EA	1.00	1.00	18-00 000607
04	3596A-3			* 0000 EA	1.00	1.00	19-00 75382 000608
04	MS3596A-XP-3-38C			* 0000 EA	1.00	1.00	20-00 75382 000609
04	9083			* 0000 EA	2.00	2.00	21-00 83330 000610
04	47B387082P1			* 0000 EA	1.00	1.00	22-00 000611
04	24205			* 0000 OZ	AR		23-00 05972 000612
04	74755			* 0000 OZ	AR		24-00 05972 000613

LVL.	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE	P T	CYCLE	U/M	PL-QTY	EXT/TOT	QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	OUT										APPLY	C Y	TIME
04	N153P13024	SCREW, PAN HD, #6-32	*				0000	EA		2.00	2.00	25-00	000614
04	N415P13	WASHER, LOCK, #6	*				0000	EA		4.00	4.00	26-00	000615
04	N400P37	WASHER, FL. #6	*				0000	EA		2.00	2.00	27-00	000616
04	N226P13	NUT, PLAIN HEX, #6-32	*				0000	EA		2.00	2.00	28-00	000617
04	N416P13	WSHR, LOCK, INTL T #6	*				0000	EA		2.00	2.00	29-00	000618
04	SFSW-10F-CP-G02NA	PAN-L-SCREW, #10-32	B				0000	EA		12.00	12.00	30-00	000619
04	N153P16006	SCR, PH, #10-32	*				0000	EA		4.00	4.00	31-00	000620
04	N415P19	WASHER, LOCK, #10	*				0000	EA		4.00	4.00	32-00	000621
04	DC-37P	CONNECTOR	B				0000	EA		4.00	4.00	33-00	71468 000622
04	3341-1L	JACK SOCKET KIT	*				0000	EA		4.00	4.00	34-00	52760 000623
04	CP700-51	CONN HOUSING KIT	B				0000	EA		9.00	9.00	35-00	19006 000624
04	9158	CABLE, 5TP	B				0000	FT			AR	36-00	07903 000625
04	9160	CABLE, 8TP	B				0000	FT			AR	37-00	07903 000626
04	8741	CABLE, 2TP	B				0000	FT			AR	38-00	07907 000627
04	8740	CABLE, 1TP	B				0000	FT			AR	39-00	07907 000628
04	47A381043PAR	SLEEVING, VINYL	*				0000	FT			AR	40-00	000629
04	47A387124	WIRE LIST	X				0000	EA			X	41-00	000630
04	47E387095P42	BUSHING, STRAIN RLF	M				0000	EA		1.00	1.00	42-00	000631
04	47E387095P43	BUSHING, STRAIN RLF	M				0000	EA		8.00	8.00	43-00	000632
04	AML31EBA4AC	SWITCH, PUSH BUTTON	B				0000	EA		1.00	1.00	44-00	91929 000633
04	AML76F10T01P	SWITCH GUARD	B	5			0000	EA		1.00	1.00	45-00	91929 000634
04	**47E387095-46	LENS (RESET)	M				0000	EA		1.00	1.00	46-00	000635
04	47E387095P47	PLUG, SNAP OUT	M				0000	EA		3.00	3.00	47-00	000636
04	47E387064	SCHEMATIC	X				0000	EA			X	48-00	000637
04	47A380052	ELECTRICAL FAB. STD	X	5			0000	EA			X	49-00	000638
04	NP-206417	NAMEPLATE	B	5			0000	EA		1.00	1.00	50-00	000639
04	47A380070P3	NPL, AN/REV STATUS	*				0000	EA		1.00	1.00	51-00	000640
04	SN60WRMAP2	SOLDER / QQ-S-571	B	5			0000	LB			AR	52-00	000641
04	47A381037P1	LACING TAPE	*				0000	FT			AR	53-00	000642
04	47A380071PAR	SLEEVING, SHRINK	*				0000	FT			AR	54-00	000643
03	**47E387062-32	TACHOMETER PANEL	M				0000	EA		1.00	1.00	32-00	000644
03	47E387072G1	I&C SIG CONDITIONER	*				0000	EA		1.00	1.00	33-00	000645
04	47D387073P1	PANEL, FRONT	*				0000	EA		1.00	1.00	1-00	000646
04	47D387074P1	PANEL, RIGHT SIDE	*				0000	EA		1.00	1.00	2-00	000647
04	47D387074P2	PANEL, LEFT SIDE	*				0000	EA		1.00	1.00	3-00	000648
04	47C387075P1	PANEL, REAR	*				0000	EA		1.00	1.00	4-00	000649
04	FCA4	HANDLE	B	5			0000	EA		2.00	2.00	5-00	08730 000650
04	47D387083G1	ASSY, MOTHER BD-SIGN*	*				0000	EA		1.00	1.00	6-00	000651
05	47E387090P1	DRILL & TRIM	*				0000	EA		1.00	1.00	1-00	000652
05	47B387086P1	ANGLE	*				0000	EA		2.00	2.00	2-00	000653
05	SN60WRMAP2	SOLDER / QQ-S-571	B	5			0000	LB			AR	3-00	000654
05	47D387083P4	TERMINAL BLOCK	*				0000	EA		1.00	1.00	4-00	000655
05	47D387083P5	TERMINAL BLOCK	*				0000	EA		1.00	1.00	5-00	000656
05	RC36-8542-5	RECEPTACLE	*				0000	EA		10.00	10.00	6-00	57856 000657
05	3432-4205	HEADER	*				0000	EA		10.00	10.00	7-00	52760 000658
05	N153P9010	SCREW, PAN HD #4-40X5*	*				0000	EA		20.00	20.00	8-00	000659

10/11

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LVL	IDENTIFICATION NO.	NOMENCLATURE	INC	DWG	ECN	PL-LATE	P	T	CYCLE	U/M	PL-QTY	EXT/TOT	QTY	ITEM/REF	DESG	FSCM	CROSS	REF
05	N415P11	WASHER, LOCK, #4				*	0000	EA			20.00	20.00	20.00		9-00		000660	
05	N226P9	NUT, HEX, #4-40				*	0000	EA			20.00	20.00	20.00		10-00		000661	
05	AD34BS	RIVET				*	0000	EA			9.00	9.00	9.00		11-00	7707	000662	
05	47A380052	ELECTRICAL FAB. STD				X	5	0000	EA		X				12-00		000663	
04	47B387076G1	MTG. BRACKET,CIRCUIT*				*	0000	EA			2.00	2.00	2.00		7-00		000664	
05	47B387076P1	BRACKET				*	0000	EA			1.00	2.00	2.00		1-00		000665	
05	CLSS-032-3Z1	SELF CLINCHING FASTE*				*	0000	EA			1.00	2.00	2.00		3-00	46384	000666	
05	CLS-832-3Z1	SELF CLINCHING FASTE*				*	0000	EA			2.00	4.00	4.00		4-00	46384	000667	
04	47B387076G2	MTG. BRACKET,CIRCUIT*				*	0000	EA			2.00	2.00	2.00		8-00		000668	
05	47B387076P2	BRACKET				*	0000	EA			1.00	2.00	2.00		2-00		000669	
05	CLSS-032-3Z1	SELF CLINCHING FASTE*				*	0000	EA			1.00	2.00	2.00		3-00	46384	000670	
05	CLS-832-3Z1	SELF CLINCHING FASTE*				*	0000	EA			2.00	4.00	4.00		4-00	46384	000671	
04	HE215	POWER SUPPLY				B	5	0000	EA		1.00	1.00	1.00		9-00	18655	000672	
04	PM345	POWER SUPPLY				*	0000	EA			1.00	1.00	1.00		10-00	18655	000673	
04	RGR17-.250	GUIDE RAIL,CARD				*	0000	EA			4.00	4.00	4.00		11-00	57856	000674	
04	051-64-002-41	GUIDE				B	5	0000	EA		20.00	20.00	20.00		12-00	57856	000675	
04	NP-206417	NAMEPLATE				B	5	0000	EA		1.00	1.00	1.00		13-00		000676	
04	47A380070P3	NPL, AN/REV STATUS				*	0000	EA			1.00	1.00	1.00		14-00		000677	
04	47B387078P1	SUPPORT ANGLE,CABLE				*	0000	EA			1.00	1.00	1.00		15-00		000678	
04	47B387079P1	MTG. BRACKET				*	0000	EA			2.00	2.00	2.00		16-00		000679	
04	47B381059P4	CONNECTOR CUTOUT COV*				*	0000	EA			3.00	3.00	3.00		17-00		000680	
04	47D387040G1	POWER SIGNAL CONDITI*				*	0000	EA			1.00	1.00	1.00		18-00		000681	
04	47D387043G1	SYNCR TO CURRENT CO*				*	0000	EA			2.00	2.00	2.00		19-00		000682	
04	47D387032G1	GEAR BOX SIGNAL COND*				*	0000	EA			1.00	1.00	1.00		20-00		000683	
04	47D387034G1	WIND SIGNAL CONDITIO*				*	0000	EA			1.00	1.00	1.00		21-00		000684	
04	47E387037G1	ASSY, SYN SIG COND BD				*	0000	EA			2.00	2.00	2.00		22-00		000685	
05	BB03-0501	BOARD				B	0000	EA			1.00	2.00	2.00		1-00	57856	000686	
05	47A387039	WIRE LIST				X	0000	EA			X				2-00		000687	
05	TC-308-WGG	SOCKET, 8-PIN				B	0000	EA			6.00	12.00	12.00		3-00	55322	000688	
05	SC-1W3-GG	SOCKET				B	0000	EA			16.00	32.00	32.00		4-00	55322	000689	
05	SC-1W1-GG-1	TERMINAL				B	0000	EA			15.00	30.00	30.00		5-00	55322	000690	
05	DSS-C4	SWITCH COVER				M	0000	EA			1.00	2.00	2.00		6-00	95146	000691	
05	AP-616-G-E	ADAPTER PLUG				M	0000	EA			2.00	4.00	4.00		7-00	55322	000692	
05	BB248	TERMINAL				B	0000	EA			21.00	42.00	42.00		8-00	57856	000693	
05	T-155-G	TERMINAL				B	0000	EA			6.00	12.00	12.00		9-00	55322	000694	
05	N153P9006	SCR,PNH 4-40 X.375LG				B	0000	EA			2.00	4.00	4.00		10-00		000695	
05	N400P35	WASHER,FLAT, NO. 4				*	0000	EA			2.00	4.00	4.00		11-00		000696	
05	N415P11	WASHER, LOCK, #4				*	0000	EA			2.00	4.00	4.00		12-00		000697	
05	47B381099PAR	WIRE,AWG 30,SLDRLESS				B	0000	FT			AR				13-00		000698	
05	T-151-G	TERMINAL				B	0000	EA			21.00	42.00	42.00		14-00	55322	000699	
05	SN60WRMAP2	SOLDER / QQ-S-571				B	5	0000	LB		AR				15-00		000700	
05	47A380052	ELECTRICAL FAB. STD				X	5	0000	EA		X				16-00		000701	
05	47D387038	SCHEMATIC				X	0000	EA			X				17-00		000702	

LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE P T CYCLE U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	OUT						APPLY	C Y TIME
05	AWG-26-TYPE-S	BUS WIRE / QQ-W-343			B 0000 FT	AR		18-00	000703
05	CK06BX104K	CAPACITOR, .1 MFD			B 5 0000 EA	1.00	2.00 C1	-00 95275	000704
05	CK06BX104K	CAPACITOR, .1 MFD			B 5 0000 EA	1.00	2.00 C2	-00 95275	000705
05	150D106X9035R2	CAPACITOR, 10 MFD			B 5 0000 EA	1.00	2.00 C3	-00 56289	000706
05	CK06BX104K	CAPACITOR, .1 MFD			B 5 0000 EA	1.00	2.00 C4	-00 95275	000707
05	CK06BX104K	CAPACITOR, .1 MFD			B 5 0000 EA	1.00	2.00 C5	-00 95275	000708
05	RNC55H4530FS	RESISTOR, 453 OHMS			B 0000 EA	1.00	2.00 R1	-00	000709
05	RNC55H1102FS	RESISTOR, 11 K			B 5 0000 EA	1.00	2.00 R10	-00	000710
05	RNC55H1102FS	RESISTOR, 11 K			B 5 0000 EA	1.00	2.00 R11	-00	000711
05	3009P-1-202	POTENTIOMETER, 2 K			B 0000 EA	1.00	2.00 R12	-00 32997	000712
05	RNC55H9091FS	RESISTOR, 9.09 K			B 5 0000 EA	1.00	2.00 R13	-00	000713
05	RNC55H1001FS	RESISTOR			B 5 0000 EA	1.00	2.00 R14	-00	000714
05	3009P-1-202	POTENTIOMETER, 2 K			B 0000 EA	1.00	2.00 R15	-00 32997	000715
05	RNC55H1912FS	RESISTOR, 19.1 K			B 5 0000 EA	1.00	2.00 R16	-00	000716
05	3009P-1-501	POTENTIOMTR 500 OHMS			B 0000 EA	1.00	2.00 R17	-00 32997	000717
05	3009P-1-501	POTENTIOMTR 500 OHMS			B 0000 EA	1.00	2.00 R18	-00 32997	000718
05	3009P-1-501	POTENTIOMTR 500 OHMS			B 0000 EA	1.00	2.00 R19	-00 32997	000719
05	3009P-1-102	POTENTIOMETER, 1 K			B 7 0000 EA	1.00	2.00 R2	-00 32997	000720
05	3009P-1-501	POTENTIOMTR 500 OHMS			B 0000 EA	1.00	2.00 R20	-00 32997	000721
05	RNC55H1003FS	RESISTOR, 100 K			B 5 0000 EA	1.00	2.00 R3	-00	000722
05	RNC55H1271FS	RESISTOR, 1.27 K			B 0000 EA	1.00	2.00 R4	-00	000723
05	RNC55H1003FS	RESISTOR, 100 K			B 5 0000 EA	1.00	2.00 R5	-00	000724
05	RNC55H1003FS	RESISTOR, 100 K			B 5 0000 EA	1.00	2.00 R6	-00	000725
05	RNC55H1002FS	RESISTOR			B 5 0000 EA	1.00	2.00 R7	-00	000726
05	RNC55H1333FS	RESISTOR, 133 K			B 0000 EA	1.00	2.00 R8	-00	000727
05	RNC55H3922FS	RESISTOR, 39.2 K			B 5 0000 EA	1.00	2.00 R9	-00	000728
05	D55-4	SWITCH			B 0000 EA	1.00	2.00 S1	-00 95146	000729
05	SA810-C-96-D	SYN TO DC CONVERTER			M 0000 EA	1.00	2.00 U1	-00 14352	000730
05	TL087CP	OPERATIONAL AMPL			M 0000 EA	1.00	2.00 U2	-00 01295	000731
05	TL087CP	OPERATIONAL AMPL			M 0000 EA	1.00	2.00 U3	-00 01295	000732
05	TL087CP	OPERATIONAL AMPL			M 0000 EA	1.00	2.00 U4	-00 01295	000733
05	TL087CP	OPERATIONAL AMPL			M 0000 EA	1.00	2.00 U5	-00 01295	000734
05	2B20B	VOLT TO CUR CONV			M 0000 EA	1.00	2.00 U6	-00 24355	000735
05	2B20B	VOLT TO CUR CONV			M 0000 EA	1.00	2.00 U7	-00 24355	000736
05	TL087CP	OPERATIONAL AMPL			M 0000 EA	1.00	2.00 U8	-00 01295	000737
04	47D387087G1	ASSY, COLOR CODED FL*			* 0000 EA	7.00	7.00	23-00	000738
05	3502-1000	CONNECTOR			* 0000 EA	1.00	7.00	1-00 75037	000739
05	3417-7040	CONNECTOR			B 5 0000 EA	1.00	7.00	2-00 75037	000740
05	3302-37	CABLE 12" LG			* 0000 EA	1.00	7.00	3-00 75037	000741
04	3341-1L	JACK SOCKET KIT			* 0000 EA	7.00	7.00	24-00 52760	000742
04	47A381045P3	CLAMP,CABLE (.187 DI*			* 0000 EA	2.00	2.00	25-00	000743
04	47A381045P6	CLAMP,CABLE (.375 DI*			* 0000 EA	4.00	4.00	26-00	000744
04	3596A-3	TERMINAL BOARD			* 0000 EA	1.00	1.00	27-00 75382	000745
04	MS3596A-XP-3-38C	MARKER STRIP			* 0000 EA	1.00	1.00	28-00 75382	000746
04	9083	SPACER, THREADED			* 0000 EA	2.00	2.00	29-00 83330	000747
04	47B387082P1	SHIELD			* 0000 EA	1.00	1.00	30-00	000748

Handwritten mark

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LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE	P T	CYCLE	U/M	PL-QTY	EXT/TOT	QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG	INC										OUT	APPLY	C	Y	TIME
04	24205	COMPOUND, (LOCKTITE)				*	0000	OZ		AR		31-00	05972 000749
04	5596A-B	TERMINAL BOARD				*	0000	EA	1.00	1.00		32-00	75382 000750
04	N153P15010	SCR, PH, #8-32				*	0000	EA	4.00	4.00		33-00	000751
04	N415P16	WASHER, LOCK, #8				*	0000	EA	30.00	30.00		34-00	000752
04	N678P15008	SCREW, FLAT HD				B	5 0000	EA	2.00	2.00		35-00	000753
04	N226P15	NUT, HEX, #8-32				B	5 0000	EA	6.00	6.00		36-00	000754
04	N153P16010	SCREW, PAN HD #10-32X*				*	0000	EA	4.00	4.00		37-00	000755
04	N415P19	WASHER, LOCK, #10				*	0000	EA	20.00	20.00		38-00	000756
04	N226P16	NUT, HEX, #10-32				*	0000	EA	16.00	16.00		39-00	000757
04	N153P15005	SCREW, PAN HD #8-32X5*				*	0000	EA	12.00	12.00		40-00	000758
04	N153P9003	SCREW, PAN HD #4-40X3*				*	0000	EA	4.00	4.00		41-00	000759
04	N415P11	WASHER, LOCK, #4				*	0000	EA	6.00	6.00		42-00	000760
04	N153P16007	SCREW, PAN HD				*	0000	EA	8.00	8.00		43-00	000761
04	N153P15005	SCREW, PAN HD #8-32X5*				*	0000	EA	4.00	4.00		44-00	000762
04	N153P13024	SCREW, PAN HD, #6-32				*	0000	EA	2.00	2.00		45-00	000763
04	N415P13	WASHER, LOCK, #6				*	0000	EA	6.00	6.00		46-00	000764
04	N400P37	WASHER, FL. #6				*	0000	EA	2.00	2.00		47-00	000765
04	N226P13	NUT, PLAIN HEX, #6-32				*	0000	EA	2.00	2.00		48-00	000766
04	N153P16005	SCREW, PAN HD #10-32X*				*	0000	EA	6.00	6.00		49-00	000767
04	N153P9012	SCREW, PAN HD #4-40X3*				*	0000	EA	2.00	2.00		50-00	000768
04	N226P9	NUT, HEX, #4-40				*	0000	EA	2.00	2.00		51-00	000769
04	47A387088	WIRE LIST				X	0000	EA		X		52-00	000770
04	L10BP12012	SCREW, PAN HD. M4X12				*	0000	EA	8.00	8.00		53-00	000771
04	SN60WRMAP2	SOLDER / QQ-S-571				B	5 0000	LB		AR		54-00	000772
04	47A381037P1	LACING TAPE				*	0000	FT		AR		55-00	000773
04	47A381043PAR	SLEEVING, VINYL				*	0000	FT		AR		56-00	000774
04	44A0111-16-9	WIRE, AWG #16				B	5 0000	FT		AR		57-00	06090 000775
04	N400P39	WASHER, FLAT, #10				*	0000	EA	2.00	2.00		58-00	000776
04	47A380052	ELECTRICAL FAB. STD				X	5 0000	EA		X		59-00	000777
04	47E387061	SCHEMATIC				X	0000	EA		X		60-00	000778
04	N416P13	WSHR, LOCK, INTL T #6				*	0000	EA	1.00	1.00		61-00	000779
04	74755	PRIMER				*	0000	OZ		AR		62-00	05972 000780
04	MS5596-XP-8-8C	MARKER STRIP				*	0000	EA	1.00	1.00		63-00	75382 000781
04	47A380069P52	NAMEPLATE, IDENT (TB*)				*	0000	EA	1.00	1.00		64-00	000782
04	44A0111-22-9	WIRE, #22 AWG				B	5 0000	FT		AR		65-00	06090 000783
04	47A380071PAR	SLEEVING, SHRINK				*	0000	FT		AR		66-00	000784
04	1488-6	SOLDER LUG				*	0000	EA	2.00	2.00		67-00	83330 000785
04	18RA-6	TERMINAL, LUG				*	0000	EA	8.00	8.00		68-00	59730 000786
04	18RA-6FLX	TERMINAL LUG, CRIMP				B	5 0000	EA	8.00	8.00		69-00	56501 000787
04	18RA-10	TERMINAL LUG, RING (*)				*	0000	EA	4.00	4.00		70-00	56501 000788
04	30B-010	WIRE WRAP WIRE (1")				*	0000	FT		AR		71-00	8666 000789
04	30W-020	WIRE WRAP WIRE (2")				*	0000	FT		AR		72-00	8666 000790
04	30Y-030	WIRE WRAP WIRE (3")				*	0000	FT		AR		73-00	8666 000791
04	30R-040	WIRE WRAP WIRE (4")				*	0000	FT		AR		74-00	8666 000792
04	30BLK-050	WIRE WRAP WIRE (5")				*	0000	FT		AR		75-00	8666 000793
04	30B-060	WIRE WRAP WIRE (6")				*	0000	FT		AR		76-00	8666 000794
04	30W-070	WIRE WRAP WIRE (7")				*	0000	FT		AR		77-00	8666 000795
04	30Y-080	WIRE WRAP WIRE (8")				*	0000	FT		AR		78-00	8666 000796
04	30R-090	WIRE WRAP WIRE (9")				*	0000	FT		AR		79-00	8666 000797

LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE	P T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	OUT									APPLY	C Y	TIME
04	30BLK-100	WIRE WRAP WIRE, (10")				*	0000	FT		AR	80-00	8666 000798
04	WB-16	WIRE WRAP WIRE, ROLL				*	0000	FT		AR	81-00	8666 000799
03	47E387093G1	WIND TRANSLATOR				M	0000	EA		1.00	1.00	34-00 000800
03	**47E387062-35	SPCR, CABLE RETAINER				M	0000	EA		1.00	1.00	35-00 000801
03	**47E387062-36	WIRE DUCT				M	0000	EA		2.00	2.00	36-00 000802
03	**47E387062-37	WIRE DUCT COVER				M	0000	EA		2.00	2.00	37-00 000803
03	722140	TERMINAL STRIP				M	0000	EA		8.00	8.00	38-00 52458 000804
03	**47E387062-39	MARKER STRIP				M	0000	EA		8.00	8.00	39-00 000805
03	**47E387062-40	CABLE ASSY, W1				M	0000	EA		1.00	1.00	40-00 000806
03	**47E387062-41	CABLE ASSY, W2				M	0000	EA		1.00	1.00	41-00 000807
03	**47E387062-42	CABLE ASSY, W3				M	0000	EA		1.00	1.00	42-00 000808
03	**47E387062-43	CABLE ASSY, W4				M	0000	EA		1.00	1.00	43-00 000809
03	**47E387062-44	CABLE ASSY, W5				M	0000	EA		1.00	1.00	44-00 000810
03	**47E387062-45	CABLE ASSY, W6				M	0000	EA		1.00	1.00	45-00 000811
03	**47E387062-46	CABLE ASSY, W7				M	0000	EA		1.00	1.00	46-00 000812
03	**47E387062-47	CABLE ASSY, W8				M	0000	EA		1.00	1.00	47-00 000813
03	**47E387062-48	CABLE ASSY, W9				M	0000	EA		1.00	1.00	48-00 000814
03	**47E387062-49	CABLE ASSY, W10				M	0000	EA		1.00	1.00	49-00 000815
03	47E387065G1	PANEL, RIGHT SIDE				*	0000	EA		1.00	1.00	50-00 000816
04	47E387065P1	PANEL, RIGHT SIDE				*	0000	EA		1.00	1.00	1-00 000817
04	S-0420-2-ZI	SELF CLINCHING FASTE*				*	0000	EA		12.00	12.00	2-00 46384 000818
04	SS-024-3-ZI	SELF CLINCHING FASTE*				*	0000	EA		45.00	45.00	3-00 46384 000819
04	S-832-3-ZI	SELF CLINCHING FASTE*				*	0000	EA		2.00	2.00	4-00 46384 000820
04	S-632-3-ZI	SELF CLINCHING FASTE*				B 5	0000	EA		6.00	6.00	5-00 46384 000821
03	**47E387062-51	WIRE DUCT				M	0000	EA		1.00	1.00	51-00 000822
03	**47E387062-52	WIRE DUCT COVER				M	0000	EA		1.00	1.00	52-00 000823
03	47C387096G1	MTG BRACKET ASSY				M	0000	EA		2.00	2.00	53-00 000824
04	47C387096P1	MTG BRACKET				M	0000	EA		1.00	2.00	1-00 000825
04	CLS-632-3	SELF CLINCHING FSTNR				B	0000	EA		8.00	16.00	2-00 46384 000826
04	47A380102	FINISH				X	0000	PT				3-00 000827
03	**47E387062-54	BLANK PANEL				M	0000	EA		1.00	1.00	54-00 000828
03	N30AP16010	SCR, HEX HD, #10-32				B	0000	EA		151.00	151.00	55-00 000829
03	N415P19	WASHER, LOCK, #10				*	0000	EA		187.00	187.00	56-00 000830
03	N226P16	NUT, HEX, #10-32				*	0000	EA		103.00	103.00	57-00 000831
03	N30AP21010	SCR, HEX HD, #1/4-20				B	0000	EA		37.00	37.00	58-00 000832
03	N415P25	WASHER, LOCK, (1/4)				B	0000	EA		37.00	37.00	59-00 000833
03	N400P39	WASHER, FLAT, #10				*	0000	EA		60.00	60.00	60-00 000834
03	SFSW10F16CP-G02NA	SCR, PANEL, #10-32				B	0000	EA		12.00	12.00	61-00 12324 000835
03	SFSW10FB8CP-G02NA	SCR, PANEL, #10-32				B 5	0000	EA		12.00	12.00	62-00 12324 000836
03	N678P15016	SCR, FLAT HD, #8-32				B	0000	EA		9.00	9.00	63-00 000837
03	N415P16	WASHER, LOCK, #8				*	0000	EA		19.00	19.00	64-00 000838
03	N226P15	NUT, HEX, #8-32				B 5	0000	EA		9.00	9.00	65-00 000839
03	N153P9014	SCR, PH, #4-40				B	0000	EA		32.00	32.00	66-00 000840
03	N415P11	WASHER, LOCK, #4				*	0000	EA		32.00	32.00	67-00 000841

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LVL IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE	P T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF	
		DWG INC	DWG OUT									APPLY	C Y	TIME
03	N226P9				*	0000	EA		32.00	32.00	68-00	000842
03	N334P1502				B	0000	EA		50.00	50.00	69-00	000843
03	N30AP16007				B	0000	EA		30.00	30.00	70-00	000844
03	A-PS1420CM				B	0000	EA		9.00	9.00	71-00	00843 000845
03	N153P16006				*	0000	EA		18.00	18.00	72-00	000846
03	N153P15010				*	0000	EA		6.00	6.00	73-00	000847
03	N153P13016				B	0000	EA		13.00	13.00	74-00	000848
03	N415P13				*	0000	EA		29.00	29.00	75-00	000849
03	N153P15006				*	0000	EA		4.00	4.00	76-00	000850
03	N153P13004				*	0000	EA		16.00	16.00	77-00	000851
03	SN60WRMAP2				B	5 0000	LB		AR		78-00	000852
03	47A381037P1				*	0000	FT		AR		79-00	000853
03	**47E387062-80				M	0000	EA		8.00	8.00	80-00	000854
03	7022AD				B	0000	EA		1.00	1.00	81-00	72962 000855
03	47D387121G1				M	0000	EA		1.00	1.00	82-00	000856
04	47D387063P1				M	0000	EA		1.00	1.00	1-00	000857
04	47D387063P2				M	0000	EA		1.00	1.00	2-00	000858
04	KHU17A11-120				B	5 0000	EA		6.00	6.00	3-00	77342 000859
04	KHU17D11-28				B	0000	EA		1.00	1.00	4-00	77342 000860
04	47-61-201-10				M	0000	EA		4.00	4.00	5-00	94222 000861
04	N678P13007				M	0000	EA		4.00	4.00	6-00	000862
04	N415P13				*	0000	EA		6.00	6.00	7-00	000863
04	N226P13				*	0000	EA		4.00	4.00	8-00	000864
04	N226P7				M	0000	EA		7.00	7.00	9-00	000865
04	N415P9				M	0000	EA		7.00	7.00	10-00	000866
04	IN4005				B	0000	EA		1.00	1.00	11-00	000867
04	47A381044PAR				*	0000	FT		AR		12-00	000868
04	47A387125				X	0000	EA		X		13-00	000869
04	MRA20PJ				M	0000	EA		1.00	1.00	14-00	79376 000870
04	6STV-15				M	0000	EA		1.00	1.00	15-00	53337 000871
04	TC6-15				M	0000	EA		1.00	1.00	16-00	53337 000872
04	N195P1306				M	0000	EA		2.00	2.00	17-00	000873
04	44A0111-20-9				B	5 0000	FT		AR		18-00	06090 000874
04	AWG-20-TYPE-S				B	0000	FT		AR		19-00	000875
04	47D387022				X	0000	EA		X		20-00	000876
04	47A380052				X	5 0000	EA		X		21-00	000877
04	47A380102P1				M	0000	QT		AR		22-00	000878
04	SN60WRMAP2				B	5 0000	LB		AR		23-00	000879
04	47A381037P1				*	0000	FT		AR		24-00	000880
04	47A380071PAR				*	0000	FT		AR		25-00	000881
03	47D387130G1				M	0000	EA		1.00	1.00	83-00	000882
04	47D387129P1				M	0000	EA		1.00	1.00	1-00	000883
04	47D387129P2				M	0000	EA		1.00	1.00	2-00	000884
04	47-61-201-10				M	0000	EA		4.00	4.00	3-00	94222 000885
04	4156-14-1				M	0000	EA		8.00	8.00	4-00	17117 000886
04	KHU17A17-120				M	0000	EA		6.00	6.00	5-00	77342 000887

CC LOGSHEET REV 1 12-01-79

LVL	IDENTIFICATION NO.	NOMENCLATURE	INC.	DWG	OUT	ECN	PL-LATE APPLY	P	T	CYCLE	U/M	PL-QTY	EXT/TOT	QTY	ITEM/REF	DESG	FSCM	CROSS
								C	Y	T								REF
04	MJ1000	TRANSISTOR						B	5	0000	EA	1.00	1.00	1.00		6-00	04713	000888
04	177-3-62	INSULATOR						B	5	0000	EA	1.00	1.00	1.00		7-00	05820	000889
04	MD-3452-G	SOCKET, TO-3						B	5	0000	EA	1.00	1.00	1.00		8-00	06770	000890
04	120-2	GREASE, THERMAL						B	5	0000	OZ	1.00	1.00	1.00	AR	9-00	05820	000891
04	LM10CH	OPERATIONAL AMPLIFIER						B	7	0000	EA	1.00	1.00	1.00		10-00	27014	000892
04	6140-188-1	SOCKET, 8 PIN						M	0000	EA	1.00	1.00	1.00	1.00		11-00	17117	000893
04	3059J-1-102M	POTENTIOMETER						M	0000	EA	2.00	2.00	2.00	2.00		12-00	32997	000894
04	WBR1000-50	CAPACITOR						B	5	0000	EA	1.00	1.00	1.00		13-00	14655	000895
04	150D105X9035A2	CAPACITOR						B	5	0000	EA	1.00	1.00	1.00		14-00	56289	000896
04	41F2R0	RESISTOR, 2 OHM						M	0000	EA	1.00	1.00	1.00	1.00		15-00	03615	000897
04	RN65C1004F	RESISTOR, 1M OHM						B	5	0000	EA	1.00	1.00	1.00		16-00		000898
04	MRA20PJ	CONNECTOR						M	0000	EA	1.00	1.00	1.00	1.00		17-00	79376	000899
04	6STV-10	TERMINAL STRIP						M	0000	EA	1.00	1.00	1.00	1.00		18-00	53337	000900
04	TC6-10	COVER, TERM. STRIP						M	0000	EA	1.00	1.00	1.00	1.00		19-00	53337	000901
04	47A387128	WIRE LIST						X	0000	EA				X		20-00		000902
04	47D387122	SCHEMATIC						X	0000	EA				X		21-00		000903
04	N678P13007	SCR, FLH 6-32 X .44LG						X	0000	EA	4.00	4.00	4.00	4.00		22-00		000904
04	N415P13	WASHER, LOCK, #6						*	0000	EA	8.00	8.00	8.00	8.00		23-00		000905
04	N226P13	NUT, PLAIN HEX, #6-32						*	0000	EA	4.00	4.00	4.00	4.00		24-00		000906
04	N226P7	NUT, HEX 3-48						M	0000	EA	6.00	6.00	6.00	6.00		25-00		000907
04	N415P9	WASHER, LOCK, EXT T #3						M	0000	EA	6.00	6.00	6.00	6.00		26-00		000908
04	N195P1306	SCR, PNH 6-20 X .375LG						M	0000	EA	2.00	2.00	2.00	2.00		27-00		000909
04	N153P13010	SCREW, PAN HD, #6-32						M	0000	EA	2.00	2.00	2.00	2.00		28-00		000910
04	N678P9008	SCREW, FLAT HD, #4-40						M	0000	EA	1.00	1.00	1.00	1.00		29-00		000911
04	N415P11	WASHER, LOCK, #4						*	0000	EA	1.00	1.00	1.00	1.00		30-00		000912
04	N226P9	NUT, HEX, #4-40						*	0000	EA	1.00	1.00	1.00	1.00		31-00		000913
04	47A380052	ELECTRICAL FAB. STD						X	5	0000	EA			X		32-00		000914
04	44A011-20-9	WIRE, AWG #20						B	5	0000	FT			AR		33-00	06090	000915
04	AWG-20-TYPE-S	WIRE, BUS/QQ-W-343						B	0000	FT				AR		34-00		000916
04	47A380102P1	FINISH						M	0000	QT				AR		35-00		000917
04	SN60WRMAP2	SOLDER / QQ-S-571						B	5	0000	LB			AR		36-00		000918
04	47A381037P1	LACING TAPE						*	0000	FT				AR		37-00		000919
04	47A380071PAR	SLEEVING, SHRINK						*	0000	FT				AR		38-00		000920
04	47A381044PAR	SLEEVING, TEFLON						*	0000	FT				AR		39-00		000921
03	47D387132G1	ICE DETECTOR ELEK						M	0000	EA	1.00	1.00	1.00	1.00		84-00		000922
03	MRA20SUH1	CONNECTOR						B	0000	EA	3.00	3.00	3.00	3.00		85-00	79376	000923
03	**47E387062-86	WIRE DUCT						M	0000	EA	4.00	4.00	4.00	4.00		86-00		000924
03	**47E387062-87	WIRE DUCT COVER						M	0000	EA	4.00	4.00	4.00	4.00		87-00		000925
03	**47E387062-88	CIRCUIT BKR PANEL						M	0000	EA	1.00	1.00	1.00	1.00		88-00		000926
03	112-220-101	CIRCUIT BKR (20A)						B	0000	EA	2.00	2.00	2.00	2.00		89-00	77342	000927
03	112-215-101	CIRCUIT BKR (15A)						B	0000	EA	7.00	7.00	7.00	7.00		90-00	77342	000928
03	112-210-101	CIRCUIT BKR (10A)						*	0000	EA	7.00	7.00	7.00	7.00		91-00	77342	000929
03	112-205-101	CIRCUIT BKR (5A)						B	0000	EA	2.00	2.00	2.00	2.00		92-00	77342	000930
03	1422552	POWER BLOCK (2 CKT)						M	0000	EA	1.00	1.00	1.00	1.00		93-00	26405	000931
03	1423552	POWER BLOCK (3 CKT)						M	0000	EA	1.00	1.00	1.00	1.00		94-00	26405	000932
03	**47E387062-95	SAFETY SHIELD						M	0000	EA	1.00	1.00	1.00	1.00		95-00		000933
03	4697-1032-SS-20	HEX M & F STANDOFF						M	0000	EA	12.00	12.00	12.00	12.00		96-00	55566	000934
03	24205	COMPOUND, (LOCKTITE)						*	0000	OZ				AR		97-00	05972	000935

LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		P T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	PL-LATE APPLY								OUT	C Y	TIME
01	47E382590G1	ROTOR BLADE ASSY			M	0000	EA	1.00	1.00	4-00	000983
02	47J382287P1	CENTER BLADE SECT			M	0000	EA	1.00	1.00	1-00	000984
02	47E381105G1	BOLSTER ASSY			M	0000	EA	1.00	1.00	2-00	000985
03	47E382301P1	BOLSTER			M	0000	EA	2.00	2.00	1-00	000986
03	47D382550G1	SFT, TEETER BRG ASSY			M	0000	EA	1.00	1.00	2-00	000987
04	47D382550P1	CLOTH, FIBERGLASS			M	0000	FT	AR		1-00	000988
04	47D382550P2	ADHESIVE			M	0000	OZ	AR		2-00	000989
04	47D382397G1	TEETER PVT SFT ASSY			M	0000	EA	1.00	1.00	3-00	000990
05	47D382397P1	TEETER PIVOT SHAFT			M	0000	EA	1.00	1.00	1-00	000991
05	47C382390P1	PLUG, SHAFT TEETER			M	0000	EA	2.00	2.00	2-00	000992
03	47C382551G1	TEETER RESTR ASSY			M	0000	EA	4.00	4.00	3-00	000993
04	47C382551P1	CLOTH, FIBERGLASS			M	0000	FT	AR		1-00	000994
04	47C382551P2	ADHESIVE, EPOXY			M	0000	OZ	AR		2-00	000995
04	47C382351P1	TEETER SPRT INNER			M	0000	EA	1.00	4.00	3-00	000996
03	47C382551G2	TEETER RESTR ASSY			M	0000	EA	4.00	4.00	4-00	000997
04	47C382551P1	CLOTH, FIBERGLASS			M	0000	FT	AR		1-00	000998
04	47C382551P2	ADHESIVE, EPOXY			M	0000	OZ	AR		2-00	000999
04	47C382350P1	TEETER SPRT OUTER			M	0000	EA	1.00	4.00	4-00	001000
03	47C382552G1	BOLSTER INSR ASSY			M	0000	EA	2.00	2.00	5-00	001001
04	47C382552P1	CLOTH, FIBERGLASS			M	0000	FT	AR		1-00	001002
04	47C382552P2	ADHESIVE			M	0000	OZ	AR		2-00	001003
04	47E382403P1	INSERT, BOLSTER			M	0000	EA	1.00	2.00	3-00	001004
03	**47E381105-6	EPOXY, THICKENED			B	0000	EA	AR		6-00	001005
02	47J381090P1	INNER BLADE SECTION			M	0000	EA	2.00	2.00	3-00	001006
02	47J381097P1	OUTER BLADE SECTION			M	0000	EA	2.00	2.00	4-00	001007
02	47E381089P1	TRAILING EDGE INSTL			M	0000	EA	2.00	2.00	5-00	001008
02	47E381089P2	TRAILING EDGE INSTL			M	0000	EA	2.00	2.00	6-00	001009
02	47E381089P3	TRAILING EDGE INSTL			M	0000	EA	2.00	2.00	7-00	001010
02	47E382610G1	AILERON INSTALLATION			M	0000	EA	2.00	2.00	8-00	001011
03	**47E382610-1	AIL SECT, INDB DRIVE			M	0000	EA	2.00	4.00	1-00	001012
03	**47E382610-2	AIL SECT, INBD TRAIL			M	0000	EA	2.00	4.00	2-00	001013
03	**47E382610-3	AIL SECT, CENTER DR			M	0000	EA	2.00	4.00	3-00	001014
03	**47E382610-4	AIL SECT, CENTER TR			M	0000	EA	2.00	4.00	4-00	001015
03	**47E382610-5	AIL SECT, OUTBD DRIVE			M	0000	EA	2.00	4.00	5-00	001016
03	**47E382610-6	AIL SECT, OUTBD TRAIL			M	0000	EA	2.00	4.00	6-00	001017

LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		P	T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	PL-LATE OUT									APPLY	C Y TIME
03	**47E382610-7	HINGE FITTING,INBD	M		0000	EA			2.00	4.00	7-00	001018
03	**47E382610-8	HINGE FITTING,INBD	M		0000	EA			2.00	4.00	8-00	001019
03	**47E382610-9	HINGE FITTING,CENTER	M		0000	EA			2.00	4.00	9-00	001020
03	**47E382610-10	HINGE FITTING,CENTER	M		0000	EA			2.00	4.00	10-00	001021
03	**47E382610-11	HINGE FITTING,OUTBD	M		0000	EA			2.00	4.00	11-00	001022
03	**47E382610-12	HINGE FITTING,OUTBD	M		0000	EA			2.00	4.00	12-00	001023
03	**47E382610-13	HINGE FITTING,TIP	M		0000	EA			2.00	4.00	13-00	001024
03	47C381115P1	ACTUATOR	B		0000	EA			6.00	12.00	14-00	001025
03	MXJRR-10AS	ROD END,MALE	B		0000	EA			6.00	12.00	15-00	73143 001026
03	FXJRR-10AS	ROD END,FEMALE	M		0000	EA			6.00	12.00	16-00	73143 001027
03	47C381087P1	NUT	M		0000	EA			28.00	56.00	17-00	001028
03	47C381088P1	WASHER,1.00 DIA	M		0000	EA			28.00	56.00	18-00	001029
03	**47E382610-19	PIN,SPECIAL	M		0000	EA			6.00	12.00	19-00	001030
03	N900P62C	RING,RETAINING	B		0000	EA			12.00	24.00	20-00	001031
03	N402P17C	WASHER,SHIM	B		0000	EA			6.00	12.00	21-00	001032
03	**47E382610-22	STUD,SPECIAL	M		0000	EA			6.00	12.00	22-00	001033
03	**47E382610-23	PIN,HOLLOW SPECIAL	M		0000	EA			6.00	12.00	23-00	001034
03	**47E382610-24	SPACER SLEEVE	M		0000	EA			12.00	24.00	24-00	001035
03	**47E382610-25	SPACER SLEEVE	M		0000	EA			6.00	12.00	25-00	001036
03	**47E382610-26	WASHER,SHIM	M		0000	EA			18.00	36.00	26-00	001037
03	**47E382610-27	WASHER,SPECIAL	M		0000	EA			24.00	48.00	27-00	001038
03	N271P35	NUT	B		0000	EA			24.00	48.00	28-00	001039
03	**47E382610-29	SHOULDER PIN	M		0000	EA			12.00	24.00	29-00	001040
03	**47E382610-30	SPACER SLEEVE	M		0000	EA			24.00	48.00	30-00	001041
03	**47E382610-31	PIN	M		0000	EA			6.00	12.00	31-00	001042
03	N900P75C	RING,RETAINING	B		0000	EA			12.00	24.00	32-00	001043
03	N402P18C	WASHER 3/4"DIA	B	5	0000	EA			12.00	24.00	33-00	001044
03	MODEL-RC	SHOCK ABSORBER	B		0000	EA			8.00	16.00	34-00	94389 001045
03	**47E382610-35	ACTUATOR ARM,ADJ	M		0000	EA			8.00	16.00	35-00	001046
03	N94P75024	SCREW,SHOULDER	B		0000	EA			8.00	16.00	36-00	001047
03	N264P33B	LOCKNUT	B		0000	EA			40.00	80.00	37-00	001048
03	N402P17B	WASHER	B		0000	EA			40.00	80.00	38-00	001049
03	N22P33036B	SCREW,HEX HD	B		0000	EA			32.00	64.00	39-00	001050
02	47E382582G1	BLADE TIP ATCH ASSY	M		0000	EA			2.00	2.00	9-00	001051
03	**47E382582-1	ATCH STRIP-NOSE SECT	M		0000	EA			2.00	4.00	1-00	001052
03	47E382334P1	TIP,BLADE	M		0000	EA			2.00	4.00	2-00	001053
03	D170-RF-6-6-5	INSERT,DELTRIN	B		0000	EA			10.00	20.00	3-00	001054
03	N50P24020C	SCREW,HEX HD	B		0000	EA			10.00	20.00	4-00	001055
03	N400P43	WASHER,FLAT	B		0000	EA			10.00	20.00	5-00	001056
03	**47E382582-6	ATCH STRIP-UPPER FWD	M		0000	EA			2.00	4.00	6-00	001057
03	**47E382582-7	ATCH STRIP-UPPER AFT	M		0000	EA			2.00	4.00	7-00	001058
03	**47E382582-8	ATCH STRIP-LOWER FWD	M		0000	EA			2.00	4.00	8-00	001059
03	**47E382582-9	ATCH STRIP-LOWER AFT	M		0000	EA			2.00	4.00	9-00	001060
03	47E382582P10	ADHESIVE,EPOXY	B		0000	PT			AR		10-00	001061
03	47E382582P11	GLASSFIBER CLOTH	B		0000	FT			AR		11-00	001062
03	A15F7A1	SILICONE POTTING RTV	B		0000	PT			AR		12-00	001063
03	N197P2440	SCREW,WOOD,FLAT HD	B		0000	EA			AR		13-00	001064

LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE P T CYCLE U/M PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	OUT					APPLY	C Y TIME
02	47E382469G1	ICE DETECTOR INSTL			M 0000 EA	2.00	2.00	10-00 001065
03	47C382464G1	RING & HOUSING ASSY			M 0000 EA	2.00	4.00	1-00 001066
04	47C382463G1	RING, MOUNTING			M 0000 EA	1.00	4.00	1-00 001067
05	47C382463P1	RING, MOUNTING			M 0000 EA	1.00	4.00	1-00 001068
05	TLC-4C-0500W	INSERT, COIL THREAD			B 0000 EA	5.00	20.00	2-00 26390 001069
04	ZTR-64D	CAN, HOUSING			M 0000 EA	1.00	4.00	2-00 19178 001070
03	47D381091P1	ICE DETECTOR			M 0000 EA	2.00	4.00	2-00 001071
03	47B382467P1	RETAINER			M 0000 EA	2.00	4.00	3-00 001072
03	47B382468P1	GASKET			M 0000 EA	2.00	4.00	4-00 001073
03	**47E382469-5	EPOXY, ASBESTOS			B 0000 QT	AR		5-00 001074
03	47B382467P2	RETAINER / COVER			M 0000 EA	2.00	4.00	6-00 001075
03	N678P21010	SCREW, 100 DEG CSK			B 0000 EA	10.00	20.00	7-00 001076
03	N678P9006	SCREW, 100 DEG CSK			B 0000 EA	10.00	20.00	8-00 001077
03	47B382470P1	GASKET, COVER			M 0000 EA	2.00	4.00	9-00 001078
02	47E382413G1	BALLAST INSTL			M 0000 EA	1.00	1.00	11-00 001079
03	47C382399P1	BLOCK, BALLAST			M 0000 EA	96.00	96.00	1-00 001080
03	47B382401P1	STUD			M 0000 EA	32.00	32.00	2-00 001081
03	47B382398P1	SPACER			M 0000 EA	AR		3-00 001082
03	N214DP44B	NUT			B 0000 EA	64.00	64.00	4-00 001083
03	**47E382413-5	WASHER			M 0000 EA	64.00	64.00	5-00 001084
03	**47E382413-6	HOUSING, BALLAST			M 0000 EA	2.00	2.00	6-00 001085
03	**47E382413-7	PLATE, RETAINER			M 0000 EA	2.00	2.00	7-00 001086
03	**47E382413-8	STEM, THREADED			M 0000 EA	2.00	2.00	8-00 001087
03	**47E382413-9	NUT			M 0000 EA	2.00	2.00	9-00 001088
03	**47E382413-10	WASHER			M 0000 EA	2.00	2.00	10-00 001089
03	**47E382413-11	SCREW, HEX HD			M 0000 EA	24.00	24.00	11-00 001090
03	**47E382413-12	PLATE, KEEPER			M 0000 EA	2.00	2.00	12-00 001091
03	**47E382413-13	SCREW, HEX HD			M 0000 EA	8.00	8.00	13-00 001092
03	**47E382413-14	INSERT			M 0000 EA	8.00	8.00	14-00 001093
03	**47E382413-15	INSERT			M 0000 EA	16.00	16.00	15-00 001094
02	47E382590P12	FIBERGLASS, CLOTH			B 0000 EA	AR		12-00 001095
02	47E382469G2	ICE DETECTOR INSTL			M 0000 EA	2.00	2.00	13-00 001096
03	47C382464G1	RING & HOUSING ASSY			M 0000 EA	2.00	4.00	1-00 001097
04	47C382463G1	RING, MOUNTING			M 0000 EA	1.00	4.00	1-00 001098
05	47C382463P1	RING, MOUNTING			M 0000 EA	1.00	4.00	1-00 001099
05	TLC-4C-0500W	INSERT, COIL THREAD			B 0000 EA	5.00	20.00	2-00 26390 001100
04	ZTR-64D	CAN, HOUSING			M 0000 EA	1.00	4.00	2-00 19178 001101

SHEET 00000 REV 10-21-75

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LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		P	T	CYCLE	U/M	PL-QTY	EXT/TOT	QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	OUT										PL-LATE APPLY	C Y	TIME
03	**47E382469-5	EPOXY, ASBESTOS			B	0000	QT					5-00	001102
03	47B382467P2	RETAINER / COVER			M	0000	EA		2.00	4.00		6-00	001103
03	N678P21010	SCREW, 100 DEG CSK			B	0000	EA		10.00	20.00		7-00	001104
03	47B382470P1	GASKET, COVER			M	0000	EA		2.00	4.00		9-00	001105
02	47E382400G1	LIGHTING PROT INSTL			M	0000	EA		2.00	2.00		14-00	001106
03	**47E382400-1	GROUND STRAP, BRAIDED			M	0000	EA		6.00	12.00		1-00	001107
03	N46P20B	SCREW, STEEL CAP			B	0000	EA		6.00	12.00		2-00	001108
03	47E382400P3	LIGHTING STRIP			M	0000	FT					3-00	001109
03	47E382400P4	SPLICE PLATE			M	0000	EA		16.00	32.00		4-00	001110
03	**47E382400-5	EPOXT, WEST SYSTEM			B	0000	PT					5-00	001111
03	47E382400P6	SHIM			M	0000	EA		2.00	4.00		6-00	001112
03	N197P816	SCREW, WOOD			B	0000	EA		32.00	64.00		7-00	001113
03	72-08116	EPOXY, CONDUCTIVE			B	0000	PT					8-00	07700 001114
03	72-00005	CAULKING, CONDUCTIVE			B	0000	PT					9-00	07700 001115
03	**47E382400-10	R.T.V, TEFLON			B	0000	PT					10-00	001116
03	**47E382400-11	JOINT COMPOUND, ELEC			B	0000	PT					11-00	09922 001117
03	47A380009	DES. REQMTS, ROTOR BL			X	0000	EA				X	12-00	001118
02	**47E382590-15	BUMPER INSTL			M	0000	EA		1.00	1.00		15-00	001119
02	**47E382590-16	TETHER RETENN INSTL			M	0000	EA		2.00	2.00		16-00	001120
02	**47E382590-17	ELEC INSTM INSTL			M	0000	EA		1.00	1.00		17-00	001121
02	47J382330G1	BLADE HYDRAULIC INST			M	0000	EA		1.00	1.00		18-00	001122
03	47J382330P1	TUBING HYDRAULIC			M	0000	FT		720.00	720.00		1-00	001123
03	47J382330P2	TUBING HYDRAULIC			M	0000	FT		480.00	480.00		2-00	001124
03	47C381066P2	HOSE ASSY			M	0000	EA		6.00	6.00		3-00	001125
03	47C381066P1	HOSE ASSY			M	0000	EA		4.00	4.00		4-00	001126
03	47E382357G1	BRACKET, INBOARD			M	0000	EA		2.00	2.00		5-00	001127
04	47E382357P1	BRACKET			M	0000	EA		1.00	2.00		1-00	001128
04	N926P225	INSERT, COIL THD			B	0000	EA		5.00	10.00		2-00	001129
03	47D382358P1	BRKT, OUTBOARD			M	0000	EA		2.00	2.00		6-00	001130
03	47C382336G1	BRKT, CLAMP MODIFIED			M	0000	EA		38.00	38.00		7-00	001131
04	47C382336P1	BRACKET, ANGLE			M	0000	EA		2.00	76.00		1-00	001132
04	47C381072P3	CLAMP UNIT			M	0000	EA		1.00	38.00		2-00	001133
03	47C382336G2	BRKT, CLAMP MODIFIED			M	0000	EA		8.00	8.00		8-00	001134
04	47C382336P1	BRACKET, ANGLE			M	0000	EA		2.00	16.00		1-00	001135
04	47C381072P3	CLAMP UNIT			M	0000	EA		1.00	8.00		2-00	001136
03	47C381072P2	CLAMP UNIT			M	0000	EA		52.00	52.00		9-00	001137
03	47C381072P1	CLAMP UNIT			M	0000	EA		4.00	4.00		10-00	001138
03	47C382335P2	TUBE ADAPTER			M	0000	EA		6.00	6.00		11-00	001139

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LVL	IDENTIFICATION NO.	NOMENCLATURE	INC	DWG	OUT	ECN	PL-LATE	P	T	CYCLE	U/M	PL-QTY	EXT/TOT	QTY	ITEM/REF	DESIG	FSCM	CROSS	REF
03	47C382335P1	TUBE ADAPTER						M	0000	EA			4.00	4.00		12-00		001140	
03	C-MA-32	ADAPTER, MOUNTING						B	0000	EA			8.00	8.00		13-00	30780	001141	
03	47B382338P1	STUD, MOUNTING						M	0000	EA			10.00	10.00		14-00		001142	
03	C-SN-32	NUT, STACKING						B	5	0000	EA		332.00	332.00		15-00	30780	001143	
03	C-TA-32	ADAPTER, THREADED						B	5	0000	EA		166.00	166.00		16-00	30780	001144	
03	47C382337P1	ADAPTER, TUBE						M	0000	EA			12.00	12.00		17-00		001145	
03	100-B-FBSS	ADAPTER, TUBE						B	0000	EA			8.00	8.00		18-00	97576	001146	
03	900-145S	UNION, BULKHEAD						B	0000	EA			6.00	6.00		19-00	97576	001147	
03	900-85S	UNION, BULKHEAD						B	0000	EA			4.00	4.00		20-00	97576	001148	
03	47C382349P1	SLEEVE, SPLIT						M	0000	EA			150.00	150.00		21-00		001149	
03	47C382349P2	SLEEVE, SPLIT						M	0000	EA			100.00	100.00		22-00		001150	
03	C-SB-32-16	BUSHING, SPLIT						B	5	0000	EA		150.00	150.00		23-00	30780	001151	
03	C-SB-32-14	BUSHING, SPLIT						B	0000	EA			6.00	6.00		24-00	30780	001152	
03	C-SB-32-10	BUSHING, SPLIT						B	0000	EA			100.00	100.00		25-00	30780	001153	
03	C-SB-32-8	BUSHING, SPLIT						B	5	0000	EA		4.00	4.00		26-00	30780	001154	
03	47D382361G1	BASE, HOSE SUPPORT						M	0000	EA			2.00	2.00		27-00		001155	
04	47D382361P1	PLATE						M	0000	EA			1.00	1.00		1-00		001156	
04	47D382361P2	PAD						M	0000	EA			1.00	1.00		2-00		001157	
04	N926P225	INSERT, COIL THD						B	0000	EA			4.00	4.00		3-00		001158	
04	**47D382361-4	ADHESIVE						B	0000	PT			AR	AR		4-00		001159	
03	47C382360G1	SUPPORT, HOSE						M	0000	EA			2.00	2.00		28-00		001160	
04	47C382360P1	PLATE						M	0000	EA			1.00	1.00		1-00		001161	
04	47C382360P2	PAD						M	0000	EA			1.00	1.00		2-00		001162	
04	N926P225	INSERT, COIL THD						B	0000	EA			2.00	2.00		3-00		001163	
04	**47C382360-4	ADHESIVE						B	0000	PT			AR	AR		4-00		001164	
03	47C382359P1	PLATE						M	M	0000	EA		4.00	4.00		29-00		001165	
03	47B382373P1	SPACER						M	0000	EA			8.00	8.00		30-00		001166	
03	47B382373P2	SPACER						M	0000	EA			8.00	8.00		31-00		001167	
03	47B382373P3	SPACER						M	0000	EA			8.00	8.00		32-00		001168	
03	C-B-32	BOLT, .375-16 1.00 LG						B	5	0000	EA		322.00	322.00		33-00	30780	001169	
03	C-N-32	NUT, .375-16						B	5	0000	EA		8.00	8.00		34-00	30780	001170	
03	C-1-W-32	LOCKWASHER						B	5	0000	EA		330.00	330.00		35-00	30780	001171	
03	N72P29024B	BOLT, .500-13 1.50 LG						B	0000	EA			16.00	16.00		36-00		001172	
03	N405P45B	WASHER, LOCK						B	5	0000	EA		16.00	16.00		37-00		001173	
03	N405P43B	LOCKWASHER - MEDIUM						B	5	0000	EA		248.00	248.00		38-00		001174	
03	N22P25012B	BOLT, .375-16 .75 LG						B	0000	EA			104.00	104.00		39-00		001175	
03	N22P25020B	BOLT 3/8-16 X 1-1/4**						B	5	0000	EA		28.00	28.00		40-00		001176	
03	N22P25038B	BOLT, .375-16 2.38 LG						B	0000	EA			4.00	4.00		41-00		001177	
03	N22P25042B	BOLT, .375-16 2.88 LG						B	0000	EA			4.00	4.00		42-00		001178	
03	N22P25074B	BOLT, .375-16 4.62 LG						B	0000	EA			4.00	4.00		43-00		001179	
03	**47J382330-44	SLEEVING						M	0000	EA			4.00	4.00		44-00		001180	
03	**47J382330-45	SLEEVING, SHRINK						M	0000	EA			8.00	8.00		45-00		001181	
03	N22P25034B	BOLT, .375-16 2.12 LG						B	0000	EA			8.00	8.00		46-00		001182	
03	**47J382330-47	BRAZING ALLOY						B	0000	EA			AR	AR		47-00		001183	
03	47C382336G3	BRKT, CLAMP						M	0000	EA			6.00	6.00		48-00		001184	

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LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE	P T	CYCLE	U/M	PL-QTY	EXT/TOT	QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	OUT										APPLY	C Y	TIME
04	47C382336P1	BRACKET, ANGLE				M	0000	EA		2.00	12.00	1-00	001185
04	47C381072P3	CLAMP UNIT				M	0000	EA		1.00	6.00	2-00	001186
02	47D382406	GEOMETRY DWG				X	0000	EA		X		19-00	001187
02	47E382460	BLADE TOLERANCE DWG				X	0000	EA		X		20-00	001188
02	**47E382590-21	CONNECTING PLATE				M	0000	EA		2.00	2.00	21-00	001189
02	**47E382590-22	CONNECTING PLATE				M	0000	EA		2.00	2.00	22-00	001190
02	47E382590P23	ADHESIVE, EPOXY				B	0000	PT		AR		23-00	001191
02	47E382605G1	TEETER BRG/RSTR INST				M	0000	EA		1.00	1.00	24-00	001192
03	47E382602P2	YOKE BRG CAP				M	0000	EA		2.00	2.00	1-00	001193
03	47E382583G1	TEETER HUB/BRG ASSY				M	0000	EA		2.00	2.00	2-00	001194
04	47D381114P1	BRG, RADIAL-TEETER				M	0000	EA		1.00	2.00	1-00	001195
04	47E382581P1	HUB, BRG - TEETER				M	0000	EA		1.00	2.00	2-00	001196
04	47E382583P3	DOWEL PIN				M	0000	EA		3.00	6.00	3-00	001197
03	47E381093P1	BGR THRUST TEETER				M	0000	EA		2.00	2.00	3-00	001198
03	47B382396P1	SHIM, BRG				M	0000	EA		2.00	2.00	4-00	001199
03	47D381101P1	SHRINK DISC				M	0000	EA		2.00	2.00	5-00	001200
03	N060	LOCKNUT, TYPE SD				B	0000	EA		2.00	2.00	6-00	80648 001201
03	P60	LOCK PLATE				B	0000	EA		2.00	2.00	7-00	80648 001202
03	V1120E	SEAL-VEE RING				B	0000	EA		2.00	2.00	8-00	001203
03	47D382352G1	TEETER ARM ASSY				M	0000	EA		4.00	4.00	9-00	001204
04	47D382352P1	TEETER ARM				M	0000	EA		1.00	4.00	1-00	001205
04	47D382352P2	RETAINING RING				M	0000	EA		1.00	4.00	2-00	001206
04	GE160TG3AS-2RS	MONO BEARING				B	0000	EA		1.00	4.00	3-00	52676 001207
04	N22BP21014B	BOLT, LOCK				B	0000	EA		8.00	32.00	4-00	001208
04	N402P11B	WASHER, NARROW				B	5 0000	EA		8.00	32.00	5-00	001209
03	47C382353P1	TEETER SUPPORT PIN				M	0000	EA		4.00	4.00	10-00	001210
03	N22BP82080B	BOLT, LOCK				B	0000	EA		36.00	36.00	11-00	001211
03	N402P20B	WASHER				B	0000	EA		36.00	36.00	12-00	001212
03	47E382488P1	PRE-LOAD FIXTURE				M	0000	EA		2.00	2.00	13-00	001213
03	**47E382605-14	PRE-LOAD COLLAR				M	0000	EA		2.00	2.00	14-00	001214
03	**47E382605-15	LOADING STUD				M	0000	EA		6.00	6.00	15-00	001215
03	**47E382605-16	HYDR EXTENDER				M	0000	EA		2.00	2.00	16-00	001216
03	N22BP29020B	BOLT, SLFLKG				B	0000	EA		24.00	24.00	17-00	001217
03	N402P15B	WASHER				B	0000	EA		24.00	24.00	18-00	001218
03	47E382605P19	PIN				M	0000	EA		4.00	4.00	19-00	001219
02	N197P2048	SCREW, WOOD				B	0000	EA		AR		25-00	001220
02	**47E382590-26	BUTT WEDGE-REAR SPAR				M	0000	EA		2.00	2.00	26-00	001221
02	**47E382590-27	JOINT WEDGE-UPPER				M	0000	EA		2.00	2.00	27-00	001222
02	**47E382590-28	JOINT WEDGE-LOWER				M	0000	EA		2.00	2.00	28-00	001223
02	47A380009	DES. REQMTS, ROTOR BL				X	0000	EA		X		29-00	001224
02	47D382406	GEOMETRY DWG				X	0000	EA		X		30-00	001225

LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE APPLY	P C	T Y	CYCLE TIME	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	OUT									
02	47E382460	BLADE TOLERANCE DWG			X		0000	EA			X	31-00	001226
02	47E382440	SCHEM ROTOR HYDR SYS			X		0000	EA			X	32-00	001227
02	47A382285	PROFILE COORDINATES			X		0000	EA			X	33-00	001228
01	47E382607G1	YOKE / NACELLE INSTL				M	0000	EA		1.00	1.00	5-00	001229
02	47E382597G1	NACELLE OVERALL ASSY	1		X		0000	EA			X	1-00	001230
02	47E382601G1	YOKE ASSY			X		0000	EA			X	2-00	001231
02	47E382599G1	SLIP RING INST			M		0000	EA		1.00	1.00	3-00	001232
03	**47E382599-1	SUPPORT TUBE			M		0000	EA		1.00	1.00	1-00	001233
03	**47E382599-2	SUPPORT PADS			M		0000	EA		2.00	2.00	2-00	001234
03	47E382486P1	SIDE SUPPORT			M		0000	EA		1.00	1.00	3-00	001235
03	47D381018	ELEC INTERFACE			X		0000	EA			X	4-00	001236
03	47D381020P1	ROTOR SLIPRING UNIT			M		0000	EA		1.00	1.00	5-00	001237
03	47C381111P1	BELLOWS JOINT			M		0000	EA		1.00	1.00	6-00	001238
03	**47E382599-7	CONDUIT TIE BLOCK			M		0000	EA		3.00	3.00	7-00	001239
03	**47E382599-8	CONDUIT SPACER PAD			M		0000	EA		6.00	6.00	8-00	001240
03	47E382599P9	CONDUIT 2.00 DIA			M		0000	EA		3.00	3.00	9-00	001241
03	47E382599P10	CONDUIT 1.50 DIA			M		0000	EA		6.00	6.00	10-00	001242
03	**47E382599-11	JUNCTION BOX			M		0000	EA		1.00	1.00	11-00	001243
03	**47E382599-12	SEALING COLLAR			M		0000	EA		1.00	1.00	12-00	001244
03	A15B36	ADHESIVE, EPOXY			B		0000	DZ			AR	13-00	001245
03	B12B33	ADHESIVE, AL TAPE			B		0000	FT			AR	14-00	001246
03	N22BP29016B	BOLT, LOCK			B		0000	EA		12.00	12.00	15-00	001247
03	N402P15B	WASHER			B		0000	EA		16.00	16.00	16-00	001248
03	N22P29032B	BOLT			B		0000	EA		4.00	4.00	17-00	001249
03	N264P29B	NUT 1/2			B	5	0000	EA		4.00	4.00	18-00	001250
03	47E382599P19	ANGLES			M		0000	EA		2.00	2.00	19-00	001251
03	47D381024P1	ROTARY POSITION SR			M		0000	EA		1.00	1.00	20-00	001252
02	47E382496G1	LOW SPEED BRAKE INST			M		0000	EA		1.00	1.00	4-00	001253
03	47E382495G1	LOW SP BK SPRT ASSY			M		0000	EA		2.00	2.00	1-00	001254
04	47E382407P1	LOW SP BK SPRT BRKT			M		0000	EA		1.00	2.00	1-00	001255
04	47D382461P1	LOW SPEED BRAKE			M		0000	EA		4.00	8.00	2-00	001256
04	47D382492P4	NUT PLATE			M		0000	EA		2.00	4.00	3-00	001257
04	47D382492P2	NUT PLATE			M		0000	EA		2.00	4.00	4-00	001258
04	47D382492P1	NUT PLATE			M		0000	EA		1.00	2.00	5-00	001259
04	47D382492P3	NUT PLATE			M		0000	EA		1.00	2.00	6-00	001260
04	47D382493P3	NUT PLATE			M		0000	EA		2.00	4.00	7-00	001261
04	47D382493P1	NUT PLATE			M		0000	EA		2.00	4.00	8-00	001262
04	47D382493P2	NUT PLATE			M		0000	EA		1.00	2.00	9-00	001263
04	47B382494P1	NUT PLATE			M		0000	EA		8.00	16.00	10-00	001264
04	N46P22032B	SCREW, FLAT HD			B		0000	EA		38.00	76.00	11-00	001265
04	N402AP20B	WASHER			B		0000	EA		24.00	48.00	12-00	001266
04	47C381036P5	BOLT, FATIGUE RATED			B		0000	EA		24.00	48.00	13-00	001267
03	47C381036P3	BOLT, FATIGUE RATED			B		0000	EA		84.00	84.00	2-00	001268

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LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE	P T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	DWG OUT									APPLY	C Y TIME
03	47C381088P1	WASHER, 1.00 DIA			M	0000	EA		84.00	84.00	3-00	001269
03	47C381036P10	BOLT, FATIGUE RATED			B	0000	EA		8.00	8.00	4-00	001270
03	47C381088P5	WASHER, 1.25 DIA			B	0000	EA		8.00	8.00	5-00	001271
03	81341EB-30	EYE BOLT			B	0000	EA		2.00	2.00	6-00	001272
03	A15F6C18	RTV SILICONE SEALANT			M	0000	OZ		AR		7-00	001273
02	47E382498G1	RTR SPEED SNSR INSTL			M	0000	EA		1.00	1.00	5-00	001274
03	47B382480P1	BRACKET, SENSOR			M	0000	EA		2.00	2.00	1-00	001275
03	47B381108P1	SENSOR, ROTOR SPEED			M	0000	EA		2.00	2.00	2-00	81692 001276
03	N733P25016B	SCREW, TWELVE-POINT			B	0000	EA		4.00	4.00	3-00	001277
03	N405P43B	LOCKWASHER - MEDIUM			B	5 0000	EA		4.00	4.00	4-00	001278
02	47C381036P26	BOLT, FATIGUE RATED			B	0000	EA		96.00	96.00	6-00	001279
02	47C381087P9	NUT			B	0000	EA		96.00	96.00	7-00	001280
02	47C381088P9	WASHER, 1.50 DIA			M	0000	EA		96.00	96.00	8-00	001281
02	47C381088P10	WASHER, 1.50 DIA			B	0000	EA		96.00	96.00	9-00	001282
02	**47E382607-10	SEAL, STATOR HALVES			M	0000	EA		2.00	2.00	10-00	001283
02	**47E382607-11	SEAL PLATE			M	0000	EA		6.00	6.00	11-00	001284
02	**47E382607-12	SEAL			M	0000	EA		1.00	1.00	12-00	001285
02	**47E382607-13	LOCKBOLT			M	0000	EA		AR		13-00	001286
02	**47E382607-14	WASHER			M	0000	EA		AR		14-00	001287
02	A15F6C18	RTV SILICONE SEALANT			M	0000	OZ		AR		15-00	001288
01	47E382608G1	ROTOR BLADE INSTL			M	0000	EA		1.00	1.00	6-00	001289
02	47B382396P1	SHIM, BRG			X	0000	EA		X		1-00	001290
02	47C381036P10	BOLT, FATIGUE RATED			B	0000	EA		60.00	60.00	2-00	001291
02	47C381087P6	LOCKNUT			B	0000	EA		60.00	60.00	3-00	001292
02	47C381088P9	WASHER, 1.50 DIA			M	0000	EA		60.00	60.00	4-00	001293
02	47C381088P10	WASHER, 1.50 DIA			B	0000	EA		60.00	60.00	5-00	001294
02	47C381036P21	BOLT			B	0000	EA		8.00	8.00	6-00	001295
02	47C381087P10	LOCKNUT			B	0000	EA		8.00	8.00	7-00	001296
02	47C381088P9	WASHER, 1.50 DIA			M	0000	EA		8.00	8.00	8-00	001297
02	47C381088P10	WASHER, 1.50 DIA			B	0000	EA		8.00	8.00	9-00	001298
02	N22BP82080B	BOLT, LOCK			B	0000	EA		36.00	36.00	10-00	001299
02	N402P20B	WASHER			B	0000	EA		36.00	36.00	11-00	001300
02	**47E382608-12	TEETER POSN IND			M	0000	EA		1.00	1.00	12-00	001301
02	**47E382608-13	TEETER MOTION INSTL			M	0000	EA		1.00	1.00	13-00	001302
02	**47E382608-14	FLEX HOSE			M	0000	EA		2.00	2.00	14-00	001303
02	**47E382608-15	FLEX HOSE			M	0000	EA		2.00	2.00	15-00	001304
02	**47E382608-16	FLEX HOSE			M	0000	EA		2.00	2.00	16-00	001305
01	**47E382304-7	GND SPRT EQUIP INSTL			M	0000	EA		1.00	1.00	7-00	001306
01	47E382045	GEOMETRY ENVELOPE			X	0000	EA		X		8-00	001307
01	47E387081G1	ELEC EQUIP BUILDING			M	0000	EA		1.00	1.00	9-00	001308
02	**47E387081-1	GRND ENCLOSURE BLDG			M	0000	EA		1.00	1.00	1-00	001309
02	**47E387081-2	TRANSFORMER			M	0000	EA		1.00	1.00	2-00	001310

LVL	IDENTIFICATION NO.	NOMENCLATURE	ECN		P	T	CYCLE	U/M	PL-QTY	EXT/TOT	QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	OUT										PL-LATE APPLY	C	Y	TIME
02	**47E387081-3	P.F. CAPACITOR			M	0000	EA		1.00	1.00		3-00	001311
02	**47E387081-4	CYCLOCONVERTER			M	0000	EA		1.00	1.00		4-00	001312
02	**47E387081-5	SWITCHGEAR LINE-UP			M	0000	EA		1.00	1.00		5-00	001313
02	**47E387081-6	INTERFACE CABINET			M	0000	EA		1.00	1.00		6-00	001314
02	**47E387081-7	ELECTRONICS CABINET			M	0000	EA		1.00	1.00		7-00	001315
02	47A380068	30-KVA XFMR SPEC			M	0000	EA		1.00	1.00		8-00	001316
02	47A380014	STATION BATTERY SPEC			M	0000	EA		1.00	1.00		9-00	001317
02	47A380067	CONT SYST U.P.S. SPEC			M	0000	EA		1.00	1.00		10-00	001318
02	**47E387081-11	ENG INSTR SUBSYSTEM			M	0000	EA		1.00	1.00		11-00	001319
02	**47E387081-12	OFFICE EQPT INSTL			M	0000	EA		1.00	1.00		12-00	001320
02	**47E387081-13	HECO ELEC INTERFACE			M	0000	EA		1.00	1.00		13-00	001321
02	**47E387081-14	SITE OPERATOR TERM			M	0000	EA		1.00	1.00		14-00	001322
02	**47E387081-15	FUSE PANELS			M	0000	EA		2.00	2.00		15-00	001323
02	**47E387081-16	AIR COND & HEATER			M	0000	EA		1.00	1.00		16-00	001324
02	**47E387081-17	COM DATA SYSTEM			M	0000	EA		1.00	1.00		17-00	001325
02	47E387112G1	SYS DISPLAY PNL ASSY			M	0000	EA		1.00	1.00		18-00	001326
03	47D381060P1	VIDEO MONITOR			M	0000	EA		1.00	1.00		1-00	001327
03	47E387027G1	ASSY,WTG CONTROL PAN*			*	0000	EA		1.00	1.00		2-00	001328
04	47D387028P1	PANEL,FRONT,WTG CONT*			*	0000	EA		1.00	1.00		1-00	001329
04	47D387029P1	CONNECTOR PANEL, WTG*			*	0000	EA		1.00	1.00		2-00	001330
04	CS-A-3-17	CHASSIS, SIDE			B	5 0000	EA		1.00	1.00		3-00	6666 001331
04	BC-A-17	BOTTOM COVER			B	5 0000	EA		1.00	1.00		4-00	6666 001332
04	TC-A-17	TOP COVER			B	5 0000	EA		1.00	1.00		5-00	6666 001333
04	FCAB	HANDLE			B	5 0000	EA		2.00	2.00		6-00	08730 001334
04	CR104PBM92R6C	PUSHBUTTON,MUSHROOM *			*	0000	EA		1.00	1.00		7-00	2295 001335
04	CR104PSK47A9Z2	SWITCH,4 POSITION NO*			*	0000	EA		1.00	1.00		8-00	2295 001336
04	20001	METER,120V,60HZ			B	5 0000	EA		1.00	1.00		9-00	74400 001337
04	CR103HC2001G	INDICATOR LIGHT, GRE*			*	0000	EA		1.00	1.00		10-00	2295 001338
04	CR103HC2001R	INDICATOR LIGHT, RED			*	0000	EA		1.00	1.00		11-00	2295 001339
04	GE327	LAMP			*	0000	EA		2.00	2.00		12-00	8806 001340
04	N7003P14250	RESISTOR, WIRE WOUND*			*	0000	EA		1.00	1.00		13-00	001341
04	PT07SE-18-11P	CONNECTOR ELEC 11 PIN			*	0000	EA		1.00	1.00		14-00	77820 001342
04	17236	POWER CORD			B	5 0000	EA		1.00	1.00		15-00	16428 001343
04	939	STRAIN RELIEF,SMITH			B	5 0000	EA		1.00	1.00		16-00	83330 001344
04	47A380069P31	NAMEPLATE,IDENT (J1)			*	0000	EA		1.00	1.00		17-00	001345
04	47A380069P71	NAMEPLATE,IDENT(GND)			*	0000	EA		1.00	1.00		18-00	001346
04	NP-206417	NAMEPLATE			B	5 0000	EA		1.00	1.00		19-00	001347
04	47A380070P3	NPL, AN/REV STATUS			*	0000	EA		1.00	1.00		20-00	001348
04	N153P13005	SCREW, PAN HD			*	0000	EA		2.00	2.00		21-00	001349
04	N153P15006	SCR, PH, #8-32			*	0000	EA		12.00	12.00		22-00	001350
04	N153P16006	SCR, PH, #10-32			*	0000	EA		4.00	4.00		23-00	001351
04	N153P16012	SCREW,PAN HD #10-32X*			*	0000	EA		1.00	1.00		24-00	001352
04	NG78P15008	SCREW, FLAT HD			B	5 0000	EA		8.00	8.00		25-00	001353
04	N415P13	WASHER, LOCK, #6			*	0000	EA		2.00	2.00		26-00	001354
04	N415P16	WASHER, LOCK, #8			*	0000	EA		16.00	16.00		27-00	001355
04	N400P39	WASHER, FLAT, #10			*	0000	EA		2.00	2.00		28-00	001356
04	N415P19	WASHER, LOCK, #10			*	0000	EA		7.00	7.00		29-00	001357

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LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		P T	CYCLE U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF	
			DWG INC	PL-LATE OUT							APPLY	C Y TIME
04	N226P13	NUT,PLAIN HEX, #6-32			*	0000	EA	2.00	2.00	30-00	001358
04	N226P15	NUT, HEX, #8-32			B	5 0000	EA	4.00	4.00	31-00	001359
04	N226P16	NUT, HEX, #10-32			*	0000	EA	6.00	6.00	32-00	001360
04	18RA-BFLX	TERMINAL LUG,CRIMP(2*			B	5 0000	EA	3.00	3.00	33-00	56501 001361
04	18RA-10FLX	TERMINAL LUG,CRIMP(2*			B	5 0000	EA	1.00	1.00	34-00	56501 001362
04	RB4	WIRE JOINT			*	0000	EA	1.00	1.00	35-00	56501 001363
04	44A0111-16-9	WIRE, AWG #16			B	5 0000	FT	AR		36-00	06090 001364
04	RC6	WIRE JOINT			*	0000	EA	1.00	1.00	37-00	56501 001365
04	47A380071PAR	SLEEVING, SHRINK			*	0000	FT	AR		38-00	001366
04	47A381038P3	TAPE,LACING			*	0000	FT	AR		39-00	001367
04	SNGOWRMAP2	SOLDER / QQ-S-571			B	5 0000	LB	AR		40-00	001368
04	47D387030	SCHEMATIC DIAGRAM EL*			X	5 0000	EA	X		41-00	001369
04	47A380052	ELECTRICAL FAB. STD			X	5 0000	EA	X		42-00	001370
03	47E387091G1	ASSY,GENERATOR PANEL			M	0000	EA	1.00	1.00	3-00	001371
04	47E387105P1	PANEL, FRONT			B	0000	EA	1.00	1.00	1-00	001372
04	47E387091P2	PANEL, SIDE			B	0000	EA	1.00	1.00	2-00	001373
04	47D387106P1	PANEL, REAR			B	0000	EA	1.00	1.00	3-00	001374
04	FCA4	HANDLE			B	5 0000	EA	2.00	2.00	4-00	08730 001375
04	47D387107P1	SGL CD FR.,MODIFIED			B	0000	EA	1.00	1.00	5-00	001376
04	47D387108P1	BRACKET, CARD FRAME			B	0000	EA	1.00	1.00	6-00	001377
04	DM-3100N	DIGITAL, METER			B	5 0000	EA	6.00	6.00	7-00	50521 001378
04	58-2073082	EDGE CONNECTOR			B	5 0000	EA	6.00	6.00	8-00	50521 001379
04	47D387089G1	ASSY,MTR SIG CONDTNR			M	0000	EA	3.00	3.00	9-00	001380
05	47E387116P1	DRILL & TRIM			M	0000	EA	1.00	3.00	1-00	001381
05	AWG-22-TYPE-S	BUS WIRE/QQ-W-343			B	5 0000	FT	AR		2-00	001382
05	47A381044PAR	SLEEVING,TEFLON			*	0000	FT	AR		3-00	001383
05	IC-314-SGT	SOCKET, 14 PIN			B	0000	EA	2.00	6.00	4-00	55322 001384
05	IC-316-SGT	SOCKET, 16 PIN			B	0000	EA	4.00	12.00	5-00	55322 001385
05	SNGOWRMAP2	SOLDER / QQ-S-571			B	5 0000	LB	AR		6-00	001386
05	47D387092	SCHEMATIC			X	0000	EA	X		7-00	001387
05	47A380052	ELECTRICAL FAB. STD			X	5 0000	EA	X		8-00	001388
05	1N4148	DIODE			B	7 0000	EA	1.00	3.00	CR1 -00	01295 001389
05	1N4148	DIODE			B	7 0000	EA	1.00	3.00	CR2 -00	01295 001390
05	1N4148	DIODE			B	7 0000	EA	1.00	3.00	CR3 -00	01295 001391
05	1N4148	DIODE			B	7 0000	EA	1.00	3.00	CR4 -00	01295 001392
05	1N4148	DIODE			B	7 0000	EA	1.00	3.00	CR5 -00	01295 001393
05	1N4148	DIODE			B	7 0000	EA	1.00	3.00	CR6 -00	01295 001394
05	1N4148	DIODE			B	7 0000	EA	1.00	3.00	CR7 -00	01295 001395
05	1N4148	DIODE			B	7 0000	EA	1.00	3.00	CR8 -00	01295 001396
05	1N4148	DIODE			B	7 0000	EA	1.00	3.00	CR9 -00	01295 001397
05	CKR05BX221KR	CAPACITOR, 200 PF			B	0000	EA	1.00	3.00	C1 -00	001398
05	199D106X0010BB1	CAPACITOR, 10 MFD			B	0000	EA	1.00	3.00	C2 -00	56289 001399
05	CKR06BX103KR	CAPACITOR, .01 MFD			B	0000	EA	1.00	3.00	C3 -00	001400
05	CKR06BX104KR	CAPACITOR, .1 MFD			B	0000	EA	1.00	3.00	C4 -00	001401
05	CKR06BX104KR	CAPACITOR, .1 MFD			B	0000	EA	1.00	3.00	C5 -00	001402
05	T-1R2-T	TERMINAL			B	0000	EA	1.00	3.00	E1 -00	55322 001403

LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		P	T	CYCLE	U/M	PL-QTY	EXT/TOT	QTY	ITEM/ REF DESG	FSCM	CROSS REF
			DWG INC	PL-LATE OUT											APPLY	C Y	TIME
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E10	-00	55322	001404
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E11	-00	55322	001405
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E12	-00	55322	001406
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E13	-00	55322	001407
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E14	-00	55322	001408
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E15	-00	55322	001409
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E16	-00	55322	001410
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E17	-00	55322	001411
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E18	-00	55322	001412
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E19	-00	55322	001413
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E2	-00	55322	001414
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E3	-00	55322	001415
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E4	-00	55322	001416
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E5	-00	55322	001417
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E6	-00	55322	001418
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E7	-00	55322	001419
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E8	-00	55322	001420
05	T-1R2-T	TERMINAL			B	0000	EA		1.00	3.00	E9	-00	55322	001421
05	53451-1	RELAY			B	7 0000	EA		1.00	3.00	K1	-00	18342	001422
05	53451-1	RELAY			B	7 0000	EA		1.00	3.00	K2	-00	18342	001423
05	53451-1	RELAY			B	7 0000	EA		1.00	3.00	K3	-00	18342	001424
05	RCR05G102JS	RESISTOR, 1K			B	7 0000	EA		1.00	3.00	R1	-00		001425
05	RNC55H1002FS	RESISTOR			B	5 0000	EA		1.00	3.00	R10	-00		001426
05	RNC55H1002FS	RESISTOR			B	5 0000	EA		1.00	3.00	R11	-00		001427
05	RNC55H1002FS	RESISTOR			B	5 0000	EA		1.00	3.00	R12	-00		001428
05	RNC55H1101FS	RESISTOR, 1.1K			B	5 0000	EA		1.00	3.00	R13	-00		001429
05	RNC55H1002FS	RESISTOR			B	5 0000	EA		1.00	3.00	R14	-00		001430
05	RNC55H1002FS	RESISTOR			B	5 0000	EA		1.00	3.00	R15	-00		001431
05	RNC55H1002FS	RESISTOR			B	5 0000	EA		1.00	3.00	R16	-00		001432
05	RNC55H1002FS	RESISTOR			B	5 0000	EA		1.00	3.00	R17	-00		001433
05	RNC55H1002FS	RESISTOR			B	5 0000	EA		1.00	3.00	R18	-00		001434
05	RNC55H1002FS	RESISTOR			B	5 0000	EA		1.00	3.00	R19	-00		001435
05	RCR05G102JS	RESISTOR, 1K			B	7 0000	EA		1.00	3.00	R2	-00		001436
05	64Y103	POTENTIOMETER, 10K			B	0000	EA		1.00	3.00	R20	-00	02111	001437
05	64Y102	POTENTIOMETER, 1K			B	0000	EA		1.00	3.00	R21	-00	02111	001438
05	64Y103	POTENTIOMETER, 10K			B	0000	EA		1.00	3.00	R22	-00	02111	001439
05	64Y102	POTENTIOMETER, 1K			B	0000	EA		1.00	3.00	R23	-00	02111	001440
05	64Y103	POTENTIOMETER, 10K			B	0000	EA		1.00	3.00	R24	-00	02111	001441
05	64Y102	POTENTIOMETER, 1K			B	0000	EA		1.00	3.00	R25	-00	02111	001442
05	RCR05G102JS	RESISTOR, 1K			B	7 0000	EA		1.00	3.00	R3	-00		001443
05	RCR05G102JS	RESISTOR, 1K			B	7 0000	EA		1.00	3.00	R4	-00		001444
05	RCR05G471JS	RESISTOR, 470			B	7 0000	EA		1.00	3.00	R5	-00		001445
05	RNC55H249OFS	RESISTOR, 249			B	0000	EA		1.00	3.00	R6	-00		001446
05	RNC55H249OFS	RESISTOR, 249			B	0000	EA		1.00	3.00	R7	-00		001447
05	RNC55H249OFS	RESISTOR, 249			B	0000	EA		1.00	3.00	R8	-00		001448
05	RNC55H1002FS	RESISTOR			B	5 0000	EA		1.00	3.00	R9	-00		001449
05	SN7475N	4-BIT BISTABLE LCH			B	5 0000	EA		1.00	3.00	U1	-00	01295	001450
05	UHP-407	DRIVER			B	7 0000	EA		1.00	3.00	U2	-00	56289	001451
05	TL084CN	QUAD JFET OPNL AMPL			B	7 0000	EA		1.00	3.00	U3	-00	01295	001452

LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		P	T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	OUT									PL-LATE APPLY	C	Y	TIME
04	AML12CBC3AA	SWITCH, (MOM)			B	0000	EA		9.00	9.00	10-00 91929	001453
04	**47E387091-11	LENS, ENGRAVED			M	0000	EA		1.00	1.00	11-00	001454
04	**47E387091-12	LENS, ENGRAVED			B	0000	EA		1.00	1.00	12-00	001455
04	**47E387091-13	LENS, ENGRAVED			B	0000	EA		1.00	1.00	13-00	001456
04	**47E387091-14	LENS, ENGRAVED			B	0000	EA		2.00	2.00	14-00	001457
04	**47E387091-15	LENS, ENGRAVED			B	0000	EA		2.00	2.00	15-00	001458
04	**47E387091-16	LENS, ENGRAVED			B	0000	EA		2.00	2.00	16-00	001459
04	**47E387091-17	LENS, ENGRAVED			B	0000	EA		3.00	3.00	17-00	001460
04	**47E387091-18	LENS, ENGRAVED			B	0000	EA		3.00	3.00	18-00	001461
04	AML21GBA2AC	SWITCH, (MOM)			B	5 0000	EA		6.00	6.00	19-00 91929	001462
04	86	LAMP, INCANDESCENT			B	5 0000	EA		12.00	12.00	20-00 91929	001463
04	47D387113G1	SECURITY ALARM BOARD			M	0000	EA		1.00	1.00	21-00	001464
05	11-DE-6P	COMPONENT CARD			M	0000	EA		1.00	1.00	1-00 50125	001465
05	E-1	CARD EJECTOR			M	0000	EA		1.00	1.00	2-00 50125	001466
05	T-1SF2-T	WIRE WRAP PIN			B	5 0000	EA		6.00	6.00	3-00 55322	001467
05	AWG-22-TYPE-S	BUS WIRE/QQ-W-343			B	5 0000	FT		AR		4-00	001468
05	47A381044P5	SLEEVING			B	0000	FT		AR		5-00	001469
05	IC-314-WWG	SOCKET, 14 PIN			B	0000	EA		7.00		6-00 55322	001470
05	IC-316-WWG	SOCKET, 16 PIN			B	0000	EA		3.00	3.00	7-00 55322	001471
05	AP-616-G-E	ADAPTER PLUG			M	0000	EA		2.00	2.00	8-00 55322	001472
05	47D387100	SCHEMATIC			X	0000	EA		X		9-00	001473
05	**47D387113-10	WIRE LIST			X	0000	EA		X		10-00	001474
05	47A380052	ELECTRICAL FAB. STD			X	5 0000	EA		X		11-00	001475
05	SN60WRMAP2	SOLDER / QQ-S-571			B	5 0000	LB		AR		12-00	001476
05	47B381099PAR	WIRE, AWG 30, SLDRLESS			B	0000	FT		AR		13-00	001477
05	1N4148	DIODE			B	7 0000	EA		1.00	1.00 CR1	-00 01295	001478
05	CK06BX103K	CAPACITOR, .01 MFD			B	5 0000	EA		1.00	1.00 C1	-00 95275	001479
05	CK06BX104K	CAPACITOR, .1 MFD			B	5 0000	EA		1.00	1.00 C2	-00 95275	001480
05	CK06BX103K	CAPACITOR, .01 MFD			B	5 0000	EA		1.00	1.00 C3	-00 95275	001481
05	CK06BX473K	CAPACITOR, .47 MFD			B	7 0000	EA		1.00	1.00 C4	-00	001482
05	CK06BX104K	CAPACITOR, .1 MFD			B	5 0000	EA		1.00	1.00 C5	-00 95275	001483
05	RZ-12	RELAY			B	0000	EA		1.00	1.00 K1	-00 05292	001484
05	RCR05G203JS	RESISTOR, 20K			B	0000	EA		1.00	1.00 R1	-00	001485
05	RCR20G681JS	RES, 680 OHMS, 1/2 W			B	5 0000	EA		1.00	1.00 R10	-00	001486
05	RCR05G202JS	RESISTOR, 2K			B	7 0000	EA		1.00	1.00 R11	-00	001487
05	**47D387113-R12	VARISTOR			B	0000	EA		1.00	1.00 R12	-00	001488
05	3009-P-503	POTENTIOMETER, 50K			B	0000	EA		1.00	1.00 R2	-00 32997	001489
05	RCR05G563JS	RESISTOR, 56K			B	0000	EA		1.00	1.00 R3	-00	001490
05	RCR05G203JS	RESISTOR, 20K			B	0000	EA		1.00	1.00 R4	-00	001491
05	3009-P-104	POTENTIOMETER, 100 K			B	0000	EA		1.00	1.00 R5	-00 32997	001492
05	RCR05G753JS	RESISTOR, 75K			B	0000	EA		1.00	1.00 R6	-00	001493
05	RCR07G680JS	RES, 68 OHMS, 1/4 W			B	0000	EA		1.00	1.00 R7	-00	001494
05	RCR05G103JS	RESISTOR, 10K			B	7 0000	EA		1.00	1.00 R8	-00	001495
05	RCR05G103JS	RESISTOR, 10K			B	7 0000	EA		1.00	1.00 R9	-00	001496
05	MC14013BCP	DUAL D FLIP-FLOP			B	0000	EA		1.00	1.00 U1	-00 04713	001497
05	MC14081BCP	QUAD 2-INPUT AND G			M	0000	EA		1.00	1.00 U10	-00 04713	001498
05	MC14541BCP	PROGRAMMABLE OSC-TMR			M	0000	EA		1.00	1.00 U11	-00 04713	001499

LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE	P T CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC	OUT								APPLY	C Y TIME
05	MC14071BCP	QUAD 2-INPUT OR GATE				M	0000	EA	1.00	1.00 U12	-00 04713 001500
05	MC14490FP	CONTACT DEBOUNCER				B	5 0000	EA	1.00	1.00 U2	-00 04713 001501
05	UNC-4401A	LATCH/DRIVER				B	0000	EA	1.00	1.00 U4	-00 80183 001502
05	MC14528BCP	DUAL MONOSTABLE MV				B	0000	EA	1.00	1.00 U5	-00 04713 001503
05	MC14011BCP	QUAD 2-INPUT NAND G				B	0000	EA	1.00	1.00 U8	-00 04713 001504
05	MC14541BCP	PROGRAMMABLE DSC-TMR				M	0000	EA	1.00	1.00 U9	-00 04713 001505
04	2T1B215	RELAY				B	0000	EA	3.00	3.00	22-00 02289 001506
04	**47E387091-23	PANEL, SIDE				B	0000	EA	1.00	1.00	23-00 001507
04	108-0902-001	BANANA JACK (RED)				B	5 0000	EA	12.00	12.00	26-00 74970 001508
04	108-0903-001	BANANA JACK (BLK)				B	5 0000	EA	12.00	12.00	27-00 74970 001509
04	PT07A-14-5P	RECEPTACLE, JAM NUT				B	0000	EA	1.00	1.00	29-00 77820 001510
04	DBM-25P	CONNECTOR				B	5 0000	EA	2.00	2.00	30-00 71785 001511
04	3341-1L	JACK SOCKET KIT				*	0000	EA	2.00	2.00	31-00 52760 001512
04	47A380052	ELECTRICAL FAB. STD				X	5 0000	EA		X	32-00 001513
04	47E387103	SCHEMATIC				X	0000	EA		X	33-00 001514
04	**47E387091-34	WIRE LIST				X	0000	EA		X	34-00 001515
04	SN60WRMAP2	SOLDER / QQ-S-571				B	5 0000	LB		AR	35-00 001516
04	AWG-22-TYPE-S	BUS WIRE/QQ-W-343				B	5 0000	FT		AR	36-00 001517
04	44A0111-24-9	WIRE, AWG 24				B	5 0000	FT		AR	37-00 06090 001518
04	47A381045P5	CABLE CLAMP				B	0000	EA	3.00	3.00	38-00 001519
04	47A380071PAR	SLEEVEING, SHRINK				*	0000	FT		AR	39-00 001520
04	47A381044PAR	SLEEVEING, TEFLON				*	0000	FT		AR	40-00 001521
04	47A381037P1	LACING TAPE				*	0000	FT		AR	41-00 001522
04	NP-206417	NAMEPLATE				B	5 0000	EA	1.00	1.00	42-00 001523
04	47A380069P31	NAMEPLATE, IDENT (J1)				*	0000	EA	1.00	1.00	43-00 001524
04	47A380069P32	NAMEPLATE, IDENT (J2)				*	0000	EA	1.00	1.00	44-00 001525
04	47A380069P33	NAMEPLATE, IDENT (J3)				B	0000	EA	1.00	1.00	45-00 001526
04	47A380070P3	NPL, AN/REV STATUS				*	0000	EA	1.00	1.00	46-00 001527
04	AWG-20-TYPE-S	WIRE, BUS/QQ-W-343				B	0000	FT		AR	47-00 001528
04	AWG-16-TYPE-S	WIRE, BUS/QQ-W-343				B	5 0000	FT		AR	48-00 001529
04	570-3650-02-01-00	TERMINAL, INSULATED				B	5 0000	EA	8.00	8.00	49-00 71279 001530
04	N153P16007	SCREW, PAN HD				*	0000	EA	4.00	4.00	53-00 001531
04	N153P13005	SCREW, PAN HD				*	0000	EA	15.00	15.00	54-00 001532
04	N415P19	WASHER, LOCK, #10				*	0000	EA	4.00	4.00	55-00 001533
04	N226P16	NUT, HEX, #10-32				*	0000	EA	4.00	4.00	56-00 001534
04	N678P1500B	SCREW, FLAT HD				B	5 0000	EA	2.00	2.00	57-00 001535
04	N153P1500B	SCREW, PAN HD				B	0000	EA	4.00	4.00	58-00 001536
04	N415P16	WASHER, LOCK, #8				*	0000	EA	6.00	6.00	59-00 001537
04	N226P15	NUT, HEX, #8-32				B	5 0000	EA	2.00	2.00	60-00 001538
04	N153P13004	SCR, PH, #6-32				*	0000	EA	8.00	8.00	61-00 001539
04	N153P13006	SCREW, PAN HD				B	0000	EA	6.00	6.00	62-00 001540
04	N400P37	WASHER, FL. #6				*	0000	EA	8.00	8.00	63-00 001541
04	N415P13	WASHER, LOCK, #6				*	0000	EA	29.00	29.00	64-00 001542
04	N226P13	NUT, PLAIN HEX, #6-32				*	0000	EA	21.00	21.00	65-00 001543
03	47E387085G1	ASSY, UTILITY PANEL				M	0000	EA	1.00	1.00	4-00 001544
04	47E387098P1	PANEL, FRONT				M	0000	EA	1.00	1.00	1-00 001545

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LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE	P T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG	INC									OUT	APPLY	C	Y	TIME
04	47E387085P2	PANEL, SIDE				M	0000	EA		2.00	2.00	2-00 001546
04	47C387099P1	PANEL, REAR				M	0000	EA		1.00	1.00	3-00 001547
04	FCAB	HANDLE				B	5 0000	EA		2.00	2.00	4-00 08730 001548
04	108-0902-001	BANANA JACK (RED)				B	5 0000	EA		8.00	8.00	5-00 74970 001549
04	108-0903-001	BANANA JACK (BLK)				B	5 0000	EA		8.00	8.00	6-00 74970 001550
04	DM-3100N	DIGITAL, METER				B	5 0000	EA		3.00	3.00	7-00 50521 001551
04	58-2073082	EDGE CONNECTOR				B	5 0000	EA		3.00	3.00	8-00 50521 001552
04	47D387089G1	ASSY,MTR SIG CONDTNR				M	0000	EA		3.00	3.00	9-00 001553
05	47E387116P1	DRILL & TRIM				M	0000	EA		1.00	3.00	1-00 001554
05	AWG-22-TYPE-S	BUS WIRE/QQ-W-343				B	5 0000	FT		AR		2-00 001555
05	47A381044PAR	SLEEVING,TEFLON				*	0000	FT		AR		3-00 001556
05	IC-314-SGT	SOCKET, 14 PIN				B	0000	EA		2.00	6.00	4-00 55322 001557
05	IC-316-SGT	SOCKET, 16 PIN				B	0000	EA		4.00	12.00	5-00 55322 001558
05	SN60WRMAP2	SOLDER / QQ-S-571				B	5 0000	LB		AR		6-00 001559
05	47D387092	SCHEMATIC				X	0000	EA		X		7-00 001560
05	47A380052	ELECTRICAL FAB. STD				X	5 0000	EA		X		8-00 001561
05	1N4148	DIODE				B	7 0000	EA		1.00	3.00 CR1	-00 01295 001562
05	1N4148	DIODE				B	7 0000	EA		1.00	3.00 CR2	-00 01295 001563
05	1N4148	DIODE				B	7 0000	EA		1.00	3.00 CR3	-00 01295 001564
05	1N4148	DIODE				B	7 0000	EA		1.00	3.00 CR4	-00 01295 001565
05	1N4148	DIODE				B	7 0000	EA		1.00	3.00 CR5	-00 01295 001566
05	1N4148	DIODE				B	7 0000	EA		1.00	3.00 CR6	-00 01295 001567
05	1N4148	DIODE				B	7 0000	EA		1.00	3.00 CR7	-00 01295 001568
05	1N4148	DIODE				B	7 0000	EA		1.00	3.00 CR8	-00 01295 001569
05	1N4148	DIODE				B	7 0000	EA		1.00	3.00 CR9	-00 01295 001570
05	CKR05BX221KR	CAPACITOR, 200 PF				B	0000	EA		1.00	3.00 C1	-00 001571
05	199D106X0010BB1	CAPACITOR, 10 MFD				B	0000	EA		1.00	3.00 C2	-00 56289 001572
05	CKR06BX103KR	CAPACITOR, .01 MFD				B	0000	EA		1.00	3.00 C3	-00 001573
05	CKR06BX104KR	CAPACITOR, .1 MFD				B	0000	EA		1.00	3.00 C4	-00 001574
05	CKR06BX104KR	CAPACITOR, .1 MFD				B	0000	EA		1.00	3.00 C5	-00 001575
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E1	-00 55322 001576
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E10	-00 55322 001577
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E11	-00 55322 001578
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E12	-00 55322 001579
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E13	-00 55322 001580
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E14	-00 55322 001581
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E15	-00 55322 001582
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E16	-00 55322 001583
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E17	-00 55322 001584
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E18	-00 55322 001585
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E19	-00 55322 001586
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E2	-00 55322 001587
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E3	-00 55322 001588
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E4	-00 55322 001589
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E5	-00 55322 001590
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E6	-00 55322 001591
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E7	-00 55322 001592
05	T-1R2-T	TERMINAL				B	0000	EA		1.00	3.00 E8	-00 55322 001593

L.VI.	IDENTIFICATION NO.	NOMENCLATURE	INC	DWG	ECN	PL-LATE	P	T	CYCLE	U/M	PL-QTY	EXT/TOT	QTY	ITEM/REF	DESIG	FSCM	CROSS
05	T-1R2-T	TERMINAL															
05	53451-1	RELAY	B	7	0000	EA							3.00	E9	-00	55322	001594
05	53451-1	RELAY	B	7	0000	EA							3.00	K1	-00	18342	001595
05	53451-1	RELAY	B	7	0000	EA							3.00	K2	-00	18342	001596
05	RCR05G102JS	RESISTOR, 1K	B	7	0000	EA							3.00	K3	-00	18342	001597
05	RNC55H1002FS	RESISTOR	B	5	0000	EA							3.00	R1	-00		001598
05	RNC55H1002FS	RESISTOR	B	5	0000	EA							3.00	R10	-00		001599
05	RNC55H1002FS	RESISTOR	B	5	0000	EA							3.00	R11	-00		001600
05	RNC55H1002FS	RESISTOR	B	5	0000	EA							3.00	R12	-00		001601
05	RNC55H101FS	RESISTOR, 1.1K	B	5	0000	EA							3.00	R13	-00		001602
05	RNC55H1002FS	RESISTOR	B	5	0000	EA							3.00	R14	-00		001603
05	RNC55H1002FS	RESISTOR	B	5	0000	EA							3.00	R15	-00		001604
05	RNC55H1002FS	RESISTOR	B	5	0000	EA							3.00	R16	-00		001605
05	RNC55H1002FS	RESISTOR	B	5	0000	EA							3.00	R17	-00		001606
05	RNC55H1002FS	RESISTOR	B	5	0000	EA							3.00	R18	-00		001607
05	RNC55H1002FS	RESISTOR	B	5	0000	EA							3.00	R19	-00		001608
05	RCR05G102JS	RESISTOR, 1K	B	7	0000	EA							3.00	R2	-00		001609
05	64Y103	POTENTIOMETER, 10K	B	0000	EA								3.00	R20	-00	02111	001610
05	64Y102	POTENTIOMETER, 1K	B	0000	EA								3.00	R21	-00	02111	001611
05	64Y103	POTENTIOMETER, 10K	B	0000	EA								3.00	R22	-00	02111	001612
05	64Y102	POTENTIOMETER, 1K	B	0000	EA								3.00	R23	-00	02111	001613
05	64Y103	POTENTIOMETER, 10K	B	0000	EA								3.00	R24	-00	02111	001614
05	64Y102	POTENTIOMETER, 1K	B	0000	EA								3.00	R25	-00	02111	001615
05	RCR05G102JS	RESISTOR, 1K	B	7	0000	EA							3.00	R3	-00		001616
05	RCR05G102JS	RESISTOR, 1K	B	7	0000	EA							3.00	R4	-00		001617
05	RCR05G471JS	RESISTOR, 470	B	7	0000	EA							3.00	R5	-00		001618
05	RNC55H2490FS	RESISTOR, 249	B	0000	EA								3.00	R6	-00		001619
05	RNC55H2490FS	RESISTOR, 249	B	0000	EA								3.00	R7	-00		001620
05	RNC55H2490FS	RESISTOR, 249	B	0000	EA								3.00	R8	-00		001621
05	RNC55H1002FS	RESISTOR	B	5	0000	EA							3.00	R9	-00		001622
05	SN7475N	4-BIT BISTABLE LCH	B	5	0000	EA							3.00	U1	-00	01295	001623
05	UHP-407	DRIVER	B	7	0000	EA							3.00	U2	-00	56289	001624
05	TLOB4CN	QUAD JFET OPNL AMPL	B	7	0000	EA							3.00	U3	-00	01295	001625
04	AML12C8C3AA	SWITCH, (MOM)	B	0000	EA								8.00		10-00	91929	001626
04	**47E387085-11	LENS, ENGRAVED	M	0000	EA								1.00		11-00		001627
04	**47E387085-12	LENS, ENGRAVED	M	0000	EA								1.00		12-00		001628
04	**47E387085-13	LENS, ENGRAVED	M	0000	EA								1.00		13-00		001629
04	**47E387085-14	LENS, ENGRAVED	M	0000	EA								1.00		14-00		001630
04	**47E387085-15	LENS, ENGRAVED	M	0000	EA								1.00		15-00		001631
04	**47E387085-16	LENS, ENGRAVED	M	0000	EA								1.00		16-00		001632
04	**47E387085-17	LENS, ENGRAVED	M	0000	EA								1.00		17-00		001633
04	**47E387085-18	LENS, ENGRAVED	M	0000	EA								1.00		18-00		001634
04	DB-25P	CONNECTOR, 25 PIN	B	5	0000	EA							1.00		19-00	71785	001635
04	47A380052	ELECTRICAL FAB. STD	X	5	0000	EA									20-00		001636
04	47E387087	SCHEMATIC	X	0000	EA										21-00		001637
04	**47E387085-22	WIRE LIST	X	0000	EA										22-00		001638
04	AWG-22-TYPE-S	BUS WIRE/00-W-343	B	5	0000	FT									23-00		001639
04	44A0111-24-9	WIRE, AWG 24	B	5	0000	FT									24-00	06090	001640
04	47A381045P5	CABLE CLAMP	B	0000	EA								3.00		25-00		001641

LVL	IDENTIFICATION NO.	NOMENCLATURE	ECN		PL-LATE	P T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG	INC									OUT	APPLY	C	Y	TIME
04	47A380071PAR	SLEEVING, SHRINK				*	0000	FT		AR	26-00	001642
04	47A381044PAR	SLEEVING, TEFLON				*	0000	FT		AR	27-00	001643
04	47A381037P1	LACING TAPE				*	0000	FT		AR	28-00	001644
04	NP-206417	NAMEPLATE				B 5	0000	EA	1.00	1.00	29-00	001645
04	47A380069P31	NAMEPLATE, IDENT (J1)				*	0000	EA	1.00	1.00	30-00	001646
04	47A380069P32	NAMEPLATE, IDENT (J2)				*	0000	EA	1.00	1.00	31-00	001647
04	47A380070P3	NPL, AN/REV STATUS				*	0000	EA	1.00	1.00	32-00	001648
04	AWG-20-TYPE-S	WIRE, BUS/QQ-W-343				B	0000	FT		AR	33-00	001649
04	PT07A-14-5P	RECEPTACLE, JAM NUT				B	0000	EA	1.00	1.00	34-00	77820 001650
04	570-3650-02-01-00	TERMINAL, INSULATED				B 5	0000	EA	8.00	8.00	35-00	71279 001651
04	3341-1L	JACK SOCKET KIT				*	0000	EA	1.00	1.00	36-00	52760 001652
04	AWG-16-TYPE-S	WIRE, BUS/QQ-W-343				B 5	0000	FT		AR	37-00	001653
04	N153P13005	SCREW, PAN HD				*	0000	EA	3.00	3.00	38-00	001654
04	N415P19	WASHER, LOCK, #10				*	0000	EA	4.00	4.00	39-00	001655
04	N226P16	NUT, HEX, #10-32				*	0000	EA	4.00	4.00	40-00	001656
04	N153P16007	SCREW, PAN HD				*	0000	EA	4.00	4.00	41-00	001657
04	N153P15008	SCREW, PAN HD				B	0000	EA	4.00	4.00	42-00	001658
04	N415P16	WASHER, LOCK, #8				*	0000	EA	6.00	6.00	43-00	001659
04	N678P15008	SCREW, FLAT HD				B 5	0000	EA	2.00	2.00	44-00	001660
04	N226P15	NUT, HEX, #8-32				B 5	0000	EA	2.00	2.00	45-00	001661
04	N415P13	WASHER, LOCK, #6				*	0000	EA	11.00	11.00	46-00	001662
04	N153P13004	SCR, PH, #6-32				*	0000	EA	8.00	8.00	47-00	001663
04	N400P37	WASHER, FL. #6				*	0000	EA	8.00	8.00	48-00	001664
04	N226P13	NUT, PLAIN HEX, #6-32				*	0000	EA	3.00	3.00	49-00	001665
03	47E387084G1	ASSY, STATUS PANEL				M	0000	EA	1.00	1.00	5-00	001666
04	47E387104P1	PANEL, FRONT				B	0000	EA	1.00	1.00	1-00	001667
04	47E387084P2	PANEL, SIDE				B	0000	EA	2.00	2.00	2-00	001668
04	47D387106P1	PANEL, REAR				B	0000	EA	1.00	1.00	3-00	001669
04	FCA4	HANDLE				B 5	0000	EA	2.00	2.00	4-00	08730 001670
04	47D387107P1	SGL CD FR., MODIFIED				B	0000	EA	1.00	1.00	5-00	001671
04	47D387108P1	BRACKET, CARD FRAME				B	0000	EA	1.00	1.00	6-00	001672
04	DM-3100N	DIGITAL, METER				B 5	0000	EA	5.00	5.00	7-00	50521 001673
04	58-2073082	EDGE CONNECTOR				B 5	0000	EA	5.00	5.00	8-00	50521 001674
04	47D387089G1	ASSY, MTR SIG CONDTNR				M	0000	EA	5.00	5.00	9-00	001675
05	47E387116P1	DRILL & TRIM				M	0000	EA	1.00	5.00	1-00	001676
05	AWG-22-TYPE-S	BUS WIRE/QQ-W-343				B 5	0000	FT		AR	2-00	001677
05	47A381044PAR	SLEEVING, TEFLON				*	0000	FT		AR	3-00	001678
05	IC-314-SGT	SOCKET, 14 PIN				B	0000	EA	2.00	10.00	4-00	55322 001679
05	IC-316-SGT	SOCKET, 16 PIN				B	0000	EA	4.00	20.00	5-00	55322 001680
05	SN60WRMAP2	SOLDER / QQ-S-571				B 5	0000	LB		AR	6-00	001681
05	47D387092	SCHEMATIC				X	0000	EA		X	7-00	001682
05	47A380052	ELECTRICAL FAB. STD				X 5	0000	EA		X	8-00	001683
05	1N4148	DIODE				B 7	0000	EA	1.00	5.00 CR1	-00	01295 001684
05	1N4148	DIODE				B 7	0000	EA	1.00	5.00 CR2	-00	01295 001685
05	1N4148	DIODE				B 7	0000	EA	1.00	5.00 CR3	-00	01295 001686
05	1N4148	DIODE				B 7	0000	EA	1.00	5.00 CR4	-00	01295 001687

LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE P T CYCLE U/M PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
			DWG INC OUT	APPLY				
05	1N4148	DIODE			B 7 0000 EA	1.00	5.00 CR5	-00 01295 001688
05	1N4148	DIODE			B 7 0000 EA	1.00	5.00 CR6	-00 01295 001689
05	1N4148	DIODE			B 7 0000 EA	1.00	5.00 CR7	-00 01295 001690
05	1N4148	DIODE			B 7 0000 EA	1.00	5.00 CR8	-00 01295 001691
05	1N4148	DIODE			B 7 0000 EA	1.00	5.00 CR9	-00 01295 001692
05	CKR05BX221KR	CAPACITOR, 200 PF			B 0 0000 EA	1.00	5.00 C1	-00 001693
05	199D106X0010BB1	CAPACITOR, 10 MFD			B 0 0000 EA	1.00	5.00 C2	-00 56289 001694
05	CKR06BX103KR	CAPACITOR, .01 MFD			B 0 0000 EA	1.00	5.00 C3	-00 001695
05	CKR06BX104KR	CAPACITOR, .1 MFD			B 0 0000 EA	1.00	5.00 C4	-00 001696
05	CKR06BX104KR	CAPACITOR, .1 MFD			B 0 0000 EA	1.00	5.00 C5	-00 001697
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E1	-00 55322 001698
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E10	-00 55322 001699
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E11	-00 55322 001700
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E12	-00 55322 001701
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E13	-00 55322 001702
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E14	-00 55322 001703
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E15	-00 55322 001704
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E16	-00 55322 001705
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E17	-00 55322 001706
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E18	-00 55322 001707
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E19	-00 55322 001708
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E2	-00 55322 001709
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E3	-00 55322 001710
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E4	-00 55322 001711
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E5	-00 55322 001712
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E6	-00 55322 001713
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E7	-00 55322 001714
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E8	-00 55322 001715
05	T-1R2-T	TERMINAL			B 0 0000 EA	1.00	5.00 E9	-00 55322 001716
05	53451-1	RELAY			B 7 0000 EA	1.00	5.00 K1	-00 18342 001717
05	53451-1	RELAY			B 7 0000 EA	1.00	5.00 K2	-00 18342 001718
05	53451-1	RELAY			B 7 0000 EA	1.00	5.00 K3	-00 18342 001719
05	RCR05G102JS	RESISTOR, 1K			B 7 0000 EA	1.00	5.00 R1	-00 001720
05	RNC55H1002FS	RESISTOR			B 5 0000 EA	1.00	5.00 R10	-00 001721
05	RNC55H1002FS	RESISTOR			B 5 0000 EA	1.00	5.00 R11	-00 001722
05	RNC55H1002FS	RESISTOR			B 5 0000 EA	1.00	5.00 R12	-00 001723
05	RNC55H1101FS	RESISTOR, 1.1K			B 5 0000 EA	1.00	5.00 R13	-00 001724
05	RNC55H1002FS	RESISTOR			B 5 0000 EA	1.00	5.00 R14	-00 001725
05	RNC55H1002FS	RESISTOR			B 5 0000 EA	1.00	5.00 R15	-00 001726
05	RNC55H1002FS	RESISTOR			B 5 0000 EA	1.00	5.00 R16	-00 001727
05	RNC55H1002FS	RESISTOR			B 5 0000 EA	1.00	5.00 R17	-00 001728
05	RNC55H1002FS	RESISTOR			B 5 0000 EA	1.00	5.00 R18	-00 001729
05	RNC55H1002FS	RESISTOR			B 5 0000 EA	1.00	5.00 R19	-00 001730
05	RCR05G102JS	RESISTOR, 1K			B 7 0000 EA	1.00	5.00 R2	-00 001731
05	64Y103	POTENTIOMETER, 10K			B 0 0000 EA	1.00	5.00 R20	-00 02111 001732
05	64Y102	POTENTIOMETER, 1K			B 0 0000 EA	1.00	5.00 R21	-00 02111 001733
05	64Y103	POTENTIOMETER, 10K			B 0 0000 EA	1.00	5.00 R22	-00 02111 001734
05	64Y102	POTENTIOMETER, 1K			B 0 0000 EA	1.00	5.00 R23	-00 02111 001735
05	64Y103	POTENTIOMETER, 10K			B 0 0000 EA	1.00	5.00 R24	-00 02111 001736

LVL	IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE	P T	CYCLE	U/M	PL-QTY	EXT/TOT	QTY	ITEM/ REF DESG	FSCM	CROSS REF
			DWG INC	OUT											APPLY	C Y	TIME
05	64Y102	POTENTIOMETER, 1K			B	0000	EA		1.00	5.00	R25	-00	02111	001737
05	RCR05G102JS	RESISTOR, 1K			B	7 0000	EA		1.00	5.00	R3	-00		001738
05	RCR05G102JS	RESISTOR, 1K			B	7 0000	EA		1.00	5.00	R4	-00		001739
05	RCR05G471JS	RESISTOR, 470			B	7 0000	EA		1.00	5.00	R5	-00		001740
05	RNC55H2490FS	RESISTOR, 249			B	0000	EA		1.00	5.00	R6	-00		001741
05	RNC55H2490FS	RESISTOR, 249			B	0000	EA		1.00	5.00	R7	-00		001742
05	RNC55H2490FS	RESISTOR, 249			B	0000	EA		1.00	5.00	R8	-00		001743
05	RNC55H1002FS	RESISTOR			B	5 0000	EA		1.00	5.00	R9	-00		001744
05	SN7475N	4-BIT BISTABLE LCH			B	5 0000	EA		1.00	5.00	U1	-00	01295	001745
05	UHP-407	DRIVER			B	7 0000	EA		1.00	5.00	U2	-00	56289	001746
05	TLOB4CN	QUAD JFET OPNL AMPL			B	7 0000	EA		1.00	5.00	U3	-00	01295	001747
04	AML12CBC3AA	SWITCH, (MOM)			B	0000	EA	15.00		15.00	10-00	91929		001748
04	**47E387084-11	LENS, ENGRAVED			M	0000	EA	2.00		2.00	11-00			001749
04	**47E387084-12	LENS, ENGRAVED			B	0000	EA	2.00		2.00	12-00			001750
04	**47E387084-13	LENS, ENGRAVED			B	0000	EA	2.00		2.00	13-00			001751
04	**47E387084-14	LENS, ENGRAVED			B	0000	EA	1.00		1.00	14-00			001752
04	**47E387084-15	LENS, ENGRAVED			B	0000	EA	1.00		1.00	15-00			001753
04	**47E387084-16	LENS, ENGRAVED			B	0000	EA	1.00		1.00	16-00			001754
04	**47E387084-17	LENS, ENGRAVED			B	0000	EA	1.00		1.00	17-00			001755
04	AML21GBA2AC	SWITCH, (MOM)			B	5 0000	EA	1.00		1.00	18-00	91929		001756
04	AML27ABK2ACO2AA	SWITCH, KEY			B	0000	EA	1.00		1.00	19-00	91929		001757
04	86	LAMP, INCANDESCENT			B	5 0000	EA	2.00		2.00	20-00	91929		001758
04	**47E387084-21	LENS, ENGRAVED			B	0000	EA	1.00		1.00	21-00			001759
04	**47E387084-22	LENS, ENGRAVED			B	0000	EA	1.00		1.00	22-00			001760
04	SNP-428	ALARM			B	5 0000	EA	1.00		1.00	23-00	90201		001761
04	PW1	WASHER, COMPRESSION			B	5 0000	EA	1.00		1.00	24-00	90201		001762
04	47D387113G1	SECURITY ALARM BOARD			M	0000	EA	1.00		1.00	25-00			001763
05	11-DE-6P	COMPONENT CARD			M	0000	EA	1.00		1.00	1-00	50125		001764
05	E-1	CARD EJECTOR			M	0000	EA	1.00		1.00	2-00	50125		001765
05	T-1SF2-T	WIRE WRAP PIN			B	5 0000	EA	6.00		6.00	3-00	55322		001766
05	AWG-22-TYPE-S	BUS WIRE/QQ-W-343			B	5 0000	FT			AR	4-00			001767
05	47A381044P5	SLEEVING			B	0000	FT			AR	5-00			001768
05	IC-314-WWG	SOCKET, 14 PIN			B	0000	EA	7.00		7.00	6-00	55322		001769
05	IC-316-WWG	SOCKET, 16 PIN			B	0000	EA	3.00		3.00	7-00	55322		001770
05	AP-616-G-E	ADAPTER PLUG			M	0000	EA	2.00		2.00	8-00	55322		001771
05	47D387100	SCHEMATIC			X	0000	EA			X	9-00			001772
05	**47D387113-10	WIRE LIST			X	0000	EA			X	10-00			001773
05	47A380052	ELECTRICAL FAB. STD			X	5 0000	EA			X	11-00			001774
05	SN60WRMAP2	SOLDER / QQ-S-571			B	5 0000	LB			AR	12-00			001775
05	47B381099PAR	WIRE, AWG 30, SLDRLESS			B	0000	FT			AR	13-00			001776
05	1N4148	DIODE			B	7 0000	EA	1.00		1.00	CR1	-00	01295	001777
05	CK06BX103K	CAPACITOR, .01 MFD			B	5 0000	EA	1.00		1.00	C1	-00	95275	001778
05	CK06BX104K	CAPACITOR, .1 MFD			B	5 0000	EA	1.00		1.00	C2	-00	95275	001779
05	CK06BX103K	CAPACITOR, .01 MFD			B	5 0000	EA	1.00		1.00	C3	-00	95275	001780
05	CK06BX473K	CAPACITOR, .47 MFD			B	7 0000	EA	1.00		1.00	C4	-00		001781
05	CK06BX104K	CAPACITOR, .1 MFD			B	5 0000	EA	1.00		1.00	C5	-00	95275	001782
05	RZ-12	RELAY			B	0000	EA	1.00		1.00	K1	-00	05292	001783

I VL IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE P T CYCLE U/M PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF				
		DWG INC	OUT					APPLY	C Y TIME		
05	RCRO5G203JS	RESISTOR, 20K		B	0000	EA	1.00	1.00	R1	-00	001784
05	RCR20G681JS	RES, 680 OHMS, 1/2 W		B	5 0000	EA	1.00	1.00	R10	-00	001785
05	RCRO5G202JS	RESISTOR, 2K		B	7 0000	EA	1.00	1.00	R11	-00	001786
05	**47D387113-R12	VARISTOR		B	0000	EA	1.00	1.00	R12	-00	001787
05	3009-P-503	POTENTIOMETER, 50K		B	0000	EA	1.00	1.00	R2	-00	32997 001788
05	RCRO5G563JS	RESISTOR, 56K		B	0000	EA	1.00	1.00	R3	-00	001789
05	RCRO5G203JS	RESISTOR, 20K		B	0000	EA	1.00	1.00	R4	-00	001790
05	3009-P-104	POTENTIOMETER, 100 K		B	0000	EA	1.00	1.00	R5	-00	32997 001791
05	RCRO5G753JS	RESISTOR, 75K		B	0000	EA	1.00	1.00	R6	-00	001792
05	RCRO7G680JS	RES, 68 OHMS, 1/4 W		B	0000	EA	1.00	1.00	R7	-00	001793
05	RCRO5G103JS	RESISTOR, 10K		B	7 0000	EA	1.00	1.00	R8	-00	001794
05	RCRO5G103JS	RESISTOR, 10K		B	7 0000	EA	1.00	1.00	R9	-00	001795
05	MC14013BCP	DUAL D FLIP-FLOP		B	0000	EA	1.00	1.00	U1	-00	04713 001796
05	MC14081BCP	QUAD 2-INPUT AND G		M	0000	EA	1.00	1.00	U10	-00	04713 001797
05	MC14541BCP	PROGRAMMABLE OSC-TMR		M	0000	EA	1.00	1.00	U11	-00	04713 001798
05	MC14071BCP	QUAD 2-INPUT OR GATE		M	0000	EA	1.00	1.00	U12	-00	04713 001799
05	MC14490FP	CONTACT DEBOUNCER		B	5 0000	EA	1.00	1.00	U2	-00	04713 001800
05	UNC-4401A	LATCH/DRIVER		B	0000	EA	1.00	1.00	U4	-00	80183 001801
05	MC14528BCP	DUAL MONOSTABLE MV		B	0000	EA	1.00	1.00	U5	-00	04713 001802
05	MC14011BCP	QUAD 2-INPUT NAND G		B	0000	EA	1.00	1.00	U8	-00	04713 001803
05	MC14541BCP	PROGRAMMABLE OSC-TMR		M	0000	EA	1.00	1.00	U9	-00	04713 001804
04	108-0902-001	BANANA JACK (RED)		B	5 0000	EA	15.00	15.00	26-00	74970	001805
04	108-0903-001	BANANA JACK (BLK)		B	5 0000	EA	15.00	15.00	27-00	74970	001806
04	**47E387084-28	LENS, ENGRAVED		B	0000	EA	1.00	1.00	28-00		001807
04	PT07A-14-5P	RECEPTACLE, JAM NUT		B	0000	EA	1.00	1.00	29-00	77820	001808
04	DBM-25P	CONNECTOR		B	5 0000	EA	2.00	2.00	30-00	71785	001809
04	3341-1L	JACK SOCKET KIT		*	0000	EA	2.00	2.00	31-00	52760	001810
04	47A380052	ELECTRICAL FAB. STD		X	5 0000	EA		X	32-00		001811
04	47E387101	SCHEMATIC		X	0000	EA		X	33-00		001812
04	**47E387084-34	WIRE LIST		X	0000	EA		X	34-00		001813
04	SNGOWMAP2	SOLDER / QQ-S-571		B	5 0000	LB		AR	35-00		001814
04	AWG-22-TYPE-S	BUS WIRE/QQ-W-343		B	5 0000	FT		AR	36-00		001815
04	44A0111-24-9	WIRE, AWG 24		B	5 0000	FT		AR	37-00	06090	001816
04	47A381045P5	CABLE CLAMP		B	0000	EA	3.00	3.00	38-00		001817
04	47A380071PAR	SLEEVING, SHRINK		*	0000	FT		AR	39-00		001818
04	47A381044PAR	SLEEVING, TEFLON		*	0000	FT		AR	40-00		001819
04	47A381037P1	LACING TAPE		*	0000	FT		AR	41-00		001820
04	NP-206417	NAMEPLATE		B	5 0000	EA	1.00	1.00	42-00		001821
04	47A380069P31	NAMEPLATE, IDENT (J1)		*	0000	EA	1.00	1.00	43-00		001822
04	47A380069P32	NAMEPLATE, IDENT (J2)		*	0000	EA	1.00	1.00	44-00		001823
04	47A380069P33	NAMEPLATE, IDENT (J3)		B	0000	EA	1.00	1.00	45-00		001824
04	47A380070P3	NPL, AN/REV STATUS		*	0000	EA	1.00	1.00	46-00		001825
04	AWG-20-TYPE-S	WIRE, BUS/QQ-W-343		B	0000	FT		AR	47-00		001826
04	AWG-16-TYPE-S	WIRE, BUS/QQ-W-343		B	5 0000	FT		AR	48-00		001827
04	570-3650-Q2-Q1-00	TERMINAL, INSULATED		B	5 0000	EA	8.00	8.00	49-00	71279	001828
04	**47E387084-50	LENS, ENGRAVED		B	0000	EA	1.00	1.00	50-00		001829
04	**47E387084-51	LENS, ENGRAVED		B	0000	EA	1.00	1.00	51-00		001830
04	**47E387084-52	LENS, ENGRAVED		B	0000	EA	2.00	2.00	52-00		001831

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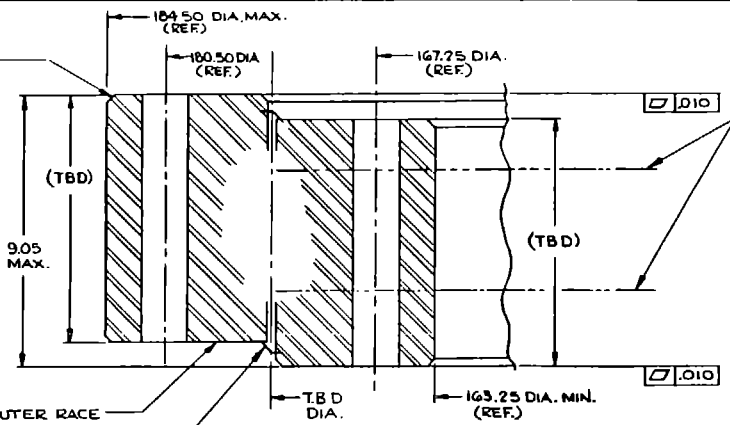
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LVL IDENTIFICATION NO.	NOMENCLATURE	----- ECN -----		PL-LATE	P	T	CYCLE	U/M	PL-QTY	EXT/TOT QTY	ITEM/ REF DESG	FSCM CROSS REF
		DWG	INC										OUT	APPLY	C	Y	TIME
04	N153P16007				*	0000	EA		4.00	4.00	53-00	001832
04	N153P13005				*	0000	EA		3.00	3.00	54-00	001833
04	N415P19				*	0000	EA		4.00	4.00	55-00	001834
04	N226P16				*	0000	EA		4.00	4.00	56-00	001835
04	N678P15008				B	5 0000	EA		2.00	2.00	57-00	001836
04	N153P15008				B	0000	EA		4.00	4.00	58-00	001837
04	N415P16				*	0000	EA		4.00	4.00	59-00	001838
04	N226P15				B	5 0000	EA		2.00	2.00	60-00	001839
04	N153P13004				*	0000	EA		8.00	8.00	61-00	001840
04	N153P13006				B	0000	EA		6.00	6.00	62-00	001841
04	N400P37				*	0000	EA		8.00	8.00	63-00	001842
04	N415P13				*	0000	EA		17.00	17.00	64-00	001843
04	N226P13				*	0000	EA		9.00	9.00	65-00	001844
04	**47E387084-66				B	0000	EA		1.00	1.00	66-00	001845
04	AML52-N10W				B	0000	EA		1.00	1.00	67-00	91929 001846
04	47A380102				X	0000	PT		X		68-00	001847
03	**47E387112-6				M	0000	EA		1.00	1.00	6-00	001848
03	47A380030				X	0000	EA		X		7-00	001849
03	**47E387112-8				B	0000	EA		1.00	1.00	8-00	001850
03	**47E387112-9				B	0000	EA		1.00	1.00	9-00	001851
03	**47E387112-10				M	0000	EA		1.00	1.00	10-00	001852
03	**47E387112-11				B	0000	EA		1.00	1.00	11-00	001853
03	**47E387112-12				B	0000	EA		1.00	1.00	12-00	001854
03	**47E387112-13				X	0000	EA		X		13-00	001855
03	**47E387112-14				X	0000	EA		X		14-00	001856
03	**47E387112-15				X	0000	EA		X		15-00	001857
02	**47E387081-19				M	0000	EA		1.00	1.00	19-00	001858
02	47E387018				X	0000	EA		X		20-00	001859
02	**47E387081-21				M	0000	EA		1.00	1.00	21-00	001860
02	**47E387081-22				M	0000	EA		3.00	3.00	22-00	001861
02	**47E387081-23				M	0000	EA		5.00	5.00	23-00	001862
02	**47E387081-24				M	0000	EA		1.00	1.00	24-00	001863
02	47A380094				X	0000	EA		X		25-00	001864
01	47E387114				X	0000	EA		X		10-00	001865
01	47A380023				X	0000	EA		X		11-00	001866
01	47A380024				X	0000	EA		X		12-00	001867
01	47A380008				X	0000	EA		X		13-00	001868
01	47A387005				X	0000	EA		X		14-00	001869
01	47D382288				X	0000	EA		X		15-00	001870
01	47D382298				X	0000	EA		X		16-00	001871
01	47E387014				X	0000	EA		X		17-00	001872
01	47D382000				X	0000	EA		X		18-00	001873
01	47D382274				X	0000	EA		X		19-00	001874

IDENTIFICATION NO.	NOMENCLATURE	--- ECN ---		P	T	CYCLE	FSCM	U/M	NEXT HIGHER ASSEMBLY	QTY	EXT/TOT-QTY	CROSS REF
		DWG INC	PL-LATE OUT										APPLY	C	Y	TIME
300H1-15CG-04-K	PRESSURE TRANSDUCER			B		0000	89326	EA	47J382313G1	03.000	03.000	000103
3009-P-104	POTENTIOMETER, 100 K			B		0000	32997	EA	47D387113G1	02.000	02.000	001492
3009-P-503	POTENTIOMETER, 50K			B		0000	32997	EA	47D387113G1	02.000	02.000	001788
3009P-1-102	POTENTIOMETER, 1 K			B	7	0000	32997	EA	47E387037G1	01.000	02.000	000720
3009P-1-202	POTENTIOMETER, 2 K			B		0000	32997	EA	47E387037G1	02.000	04.000	000715
3009P-1-501	POTENTIOMTR 500 DHMS			B		0000	32997	EA	47E387037G1	04.000	08.000	000718
3043T18	"U" BOLT & NUTS			B	5	0000	39428	EA	47J382313G1	06.000	06.000	000080
3059J-1-102M	POTENTIOMETER			M		0000	32997	EA	47D387130G1	02.000	02.000	000894
326T-FRAME	MOTOR, TEFC			B		0000		EA	47E382579G1	01.000	01.000	000471
3302-37	CABLE 12" LG			*		0000	75037	EA	47D387087G1	01.000	07.000	000741
3341-1L	JACK SOCKET KIT			*		0000	52760	EA	47E387072G1	07.000	07.000	000742
3341-1L	JACK SOCKET KIT			*		0000	52760	EA	47E387084G1	02.000	02.000	001810
3341-1L	JACK SOCKET KIT			*		0000	52760	EA	47E387085G1	01.000	01.000	001652
3341-1L	JACK SOCKET KIT			*		0000	52760	EA	47E387091G1	02.000	02.000	001512
3341-1L	JACK SOCKET KIT			*		0000	52760	EA	47E387095G1	04.000	04.000	000623
											16.000	
3417-7040	CONNECTOR			B	5	0000	75037	EA	47D387087G1	01.000	07.000	000740
3432-4205	HEADER			*		0000	52760	EA	47D387083G1	10.000	10.000	000658
350-SERIES-3DC	PUMP			B		0000	59180	EA	47E382579G1	01.000	01.000	000470
3502-1000	CONNECTOR			*		0000	75037	EA	47D387087G1	01.000	07.000	000739
3596A-3	TERMINAL BOARD			*		0000	75382	EA	47E387072G1	01.000	01.000	000745
3596A-3	TERMINAL BOARD			*		0000	75382	EA	47E387095G1	01.000	01.000	000608
											02.000	
47A380008	STEP-UP XFMR SPEC			X		0000		EA	47E382304G1		X	001868
47A380009	DES. REQMTS, ROTOR BL			X		0000		EA	47E382400G1		X	001118
47A380009	DES. REQMTS, ROTOR BL			X		0000		EA	47E382590G1		X	001224
											00.000	
47A380014	STATION BATTERY SPEC			M		0000		EA	47E387081G1	01.000	01.000	001317
47A380023	POWER CABLING REQ			X		0000		EA	47E382304G1		X	001866

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE APPROVED
A		REVISED & REDRAWN (7-4-82) TO ISSUE. DOCUMENT NOW UNDER CONFIGURATION CONTROL	1/1/82

SUGGESTED SOURCE(S) OF SUPPLY			
SUPPLIER	VENDOR PART NO.	VENDOR	FIGURE
PI	(Ref.)	(Ref.)	

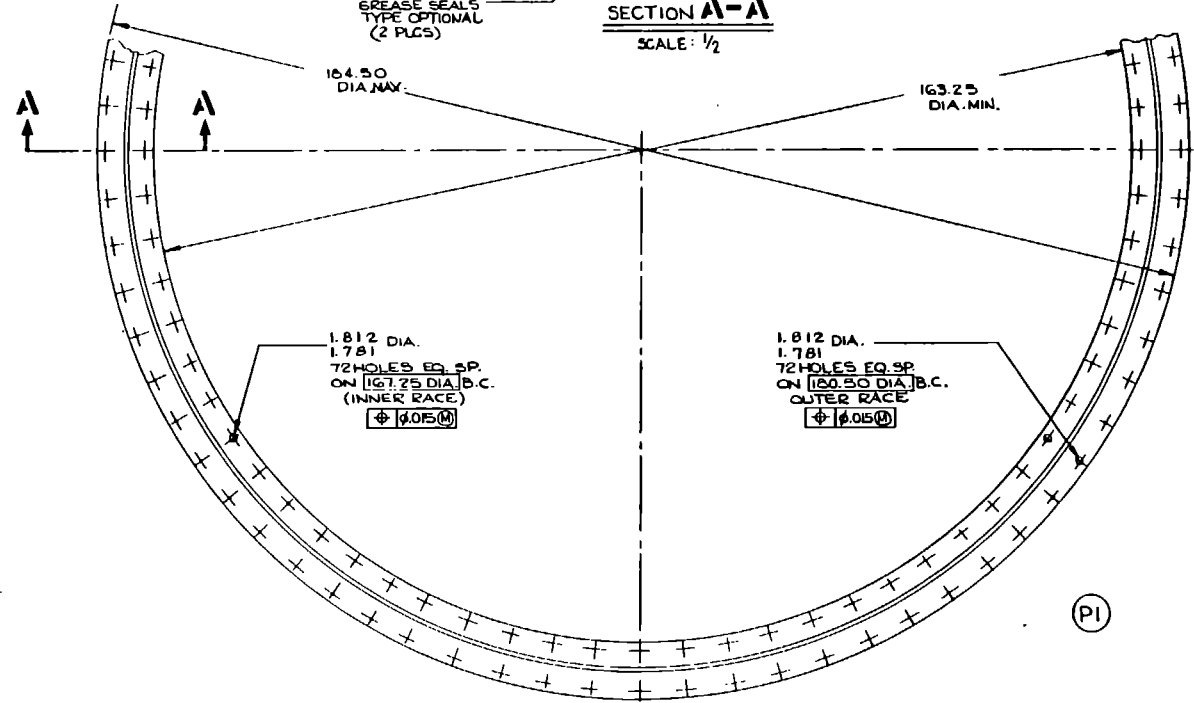


ALL GREASE PORTS TO BE ON INSIDE RACE, EQUALLY SPACED BETWEEN INNER ATTACHMENT HOLES. NUMBER TO BE DETERMINED BY MANUFACTURER.

GENERAL NOTES:

- BEARING MUST CONFORM TO TECHNICAL REQUIREMENTS AS STATED IN G.E. SPEC. 47A38002G.
- MANUFACTURER'S TOLERANCES (INCLUDING FLATNESS, CIRCULARITY, CONCENTRICITY, ETC.) UNLESS OTHERWISE NOTED ON DWG. OR SPEC TO BE PER MANUFACTURER'S RECOMMENDED PRACTICES.
- ESTIMATED FINISHED WEIGHT = 10,500 LBS.
- MARK PART "GE 47D381002 PI" BY ETCHING PROCESS ON INSIDE RIM OF BEARING.
- ALL DIMENSIONS MEASURED IN RESTRAINED CONDITION AND APPLY AT 60°F UNLESS OTHERWISE NOTED.
- SIZE & TYPE OF BOLT TO BE DETERMINED BY VENDOR. SEE G.E. SPEC 47A38002G

SECTION A-A
SCALE: 1/2



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SOURCE CONTROL DRAWING

ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" FABRICATION HAVE BEEN TESTED AND APPROVED BY G.E. FOR USE ON JAE PLO EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY G.E.

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ON: SEE NOTE 2
 7 PLACE DECIMALS ± ALL SURF
 3 PLACE DECIMALS ± ANGLES & FRACTIONS ±
 MATERIAL: ✓
 SEE NOTE 1

SIGNATURE'S	REV	DATE
A. PALMER	13	7 01
	9	0 02
	15	7 82
	21	8 02
	27	8 02
	28	8 02
	29	8 02
	30	8 02
	31	8 02
	32	8 02

GENERAL ELECTRIC
 REP. DEPT. LOC. KING OF PRUSSIA, PA.

BEARING, YAW
 MOD 5A-WTG

SIZE: 0000 IDENT NO. **47D381002**

SCALE: 1/10 SHEET OF

G.E. WTG-508

REV	DATE	DESCRIPTION	APPROVED
00	REVISED PER A-1		

REV	DATE	DESCRIPTION	APPROVED
00	REVISED PER A-1		

REV	DATE	DESCRIPTION	APPROVED
00	REVISED PER A-1		

REV	DATE	DESCRIPTION	APPROVED
00	REVISED PER A-1		

REV	DATE	DESCRIPTION	APPROVED
00	REVISED PER A-1		

REV	DATE	DESCRIPTION	APPROVED
00	REVISED PER A-1		

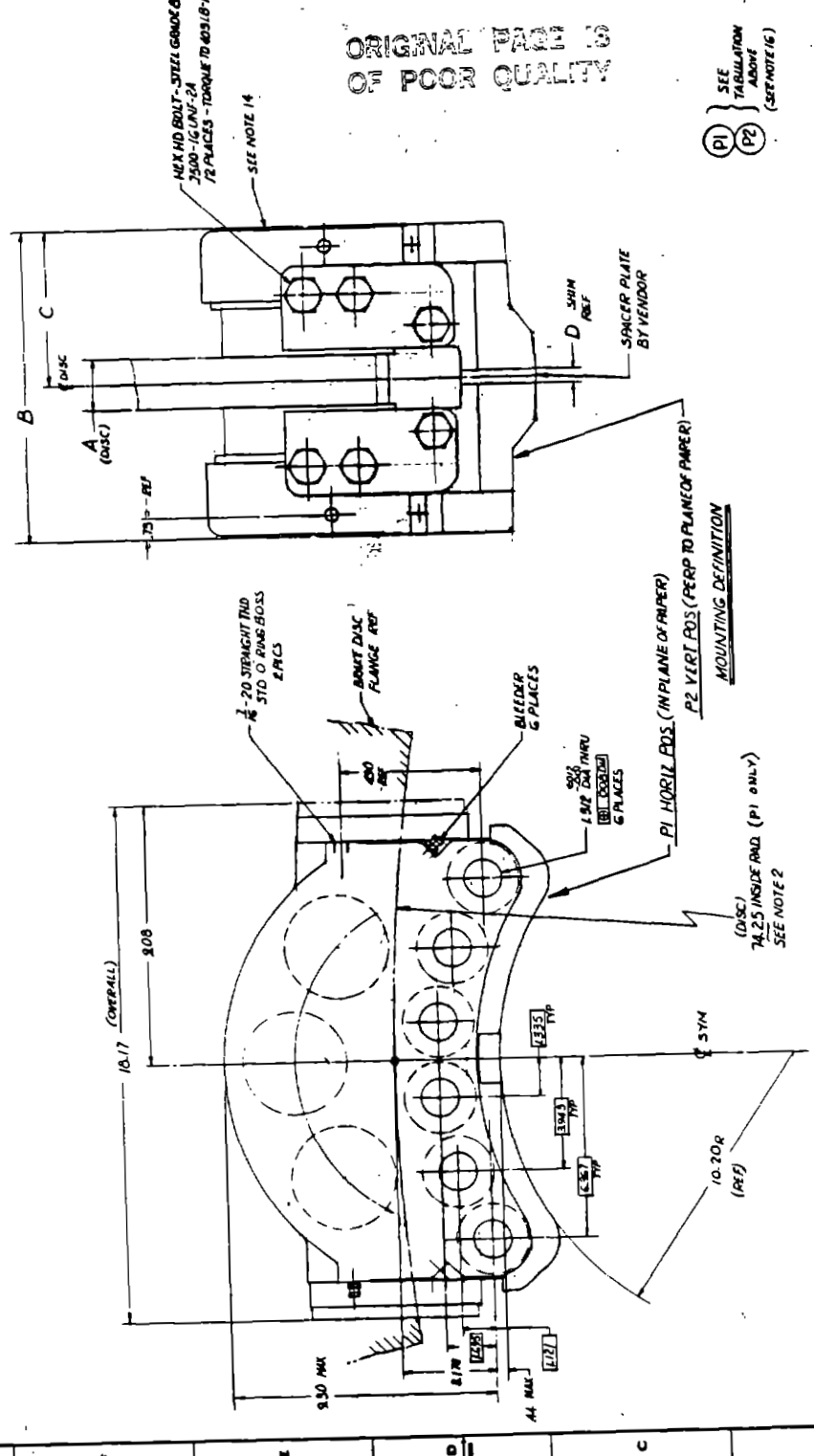
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REV	DATE	DESCRIPTION	APPROVED
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REV	DATE	DESCRIPTION	APPROVED
00	REVISED PER A-1		

REV	DATE	DESCRIPTION	APPROVED
00	REVISED PER A-1		

REV	DATE	DESCRIPTION	APPROVED
00	REVISED PER A-1		



HEX HD BOLT - STEEL GRADE 8
7500-16 UNF-2A
12 PLACES - TORQUE TO 40.18 FT
- SEE NOTE 14

ORIGINAL PART IS
OF POOR QUALITY

(P1) SEE
TABULATION
ABOVE
(P2) (SEE NOTE 16)

- NOTES:
- 1- PE DYNAMIC RESISTIVE FORCE CAPABILITY SHALL EXCEED 16,500 LB. @ 3000 PSI AROUND OVAL SHAPE TRANSLATING LINK
 - 2- ALL INTERNAL STRUCTURE TO CLEAR INSTALLATION OF BRAKE DISC FLANGE BY .12 MIN
 - 3- BRAKE SHALL BE DESIGNED TO BLEED PROPERLY WHEN HORIZONTAL & VERTICALLY MOUNTED. (P1 & P2, RESPECTIVELY)
 - 4- O-RING SEALS SHALL BE COMPATIBLE WITH TYPE F MINERAL OIL BASE HYDRAULIC FLUID
 - 5- MAX. HYDRAULIC PRESSURE: 3000 PSI, MAX. 1000 PSI
 - 6- WEIGHT APPROX. 270 LBS (WITH SPACER)
 - 7- LAMINAE SHALL BE OF ORGANIC MOLDED MATERIAL COMPATIBLE WITH TORQUE REQMT
 - 8- MOUNTING SHALL BE TO CENTER POSITIONS, PARALLEL TO SPACER LAMP SURFACE WITH TOLERANCE TO CENTER DISC FLANGE
 - 9- BRAKE SHALL BE RELIABLE THROUGHOUT 100,000 MILES
 - 10- BRAKE ALSO MATERIAL SHALL BE (T8D)
 - 11- FINISH - CLEAN, FINISH (FINIT ALLOW EXTENSION TO 100,000 MILES)
 - 12- BRAKE SHALL OPERATE IN ANY POSITION, SHUT DOWN, SHUT DOWN & RESTART, 50% OF 2500 RPM (MAX. CONTINUOUS) OPERATING IN TEMPERATURES BETWEEN -40 TO +120° F
 - 13- MANUFACTURE MODEL NO. SHALL BE AFFIXED ON SURFACE THAT IS EASILY OBSERVED BY VISUAL INSPECTION
 - 14- MARK CENTER OF DISC... WHEN INDICATED USING RUBBER STAMP OR PENCIL
 - 15- DIMS TERMINATED PER A4 & A5
 - 16- P1 & P2 IDENTICAL EXCEPT FOR WIDTH OF SPACER PLATE (DIM. 'D')

GENERAL ELECTRIC
AEP. INC. PHILA. PA.
BRAKE ASSY
MOD 5A-WTG
MOD 5A-WTG
47D381010
D
SCALE 1:1
SHEET 1 OF 1

REV	DATE	DESCRIPTION	APPROVED
00	REVISED PER A-1		

REV	DATE	DESCRIPTION	APPROVED
00	REVISED PER A-1		

REV	DATE	DESCRIPTION	APPROVED
00	REVISED PER A-1		

REV	DATE	DESCRIPTION	APPROVED
00	REVISED PER A-1		

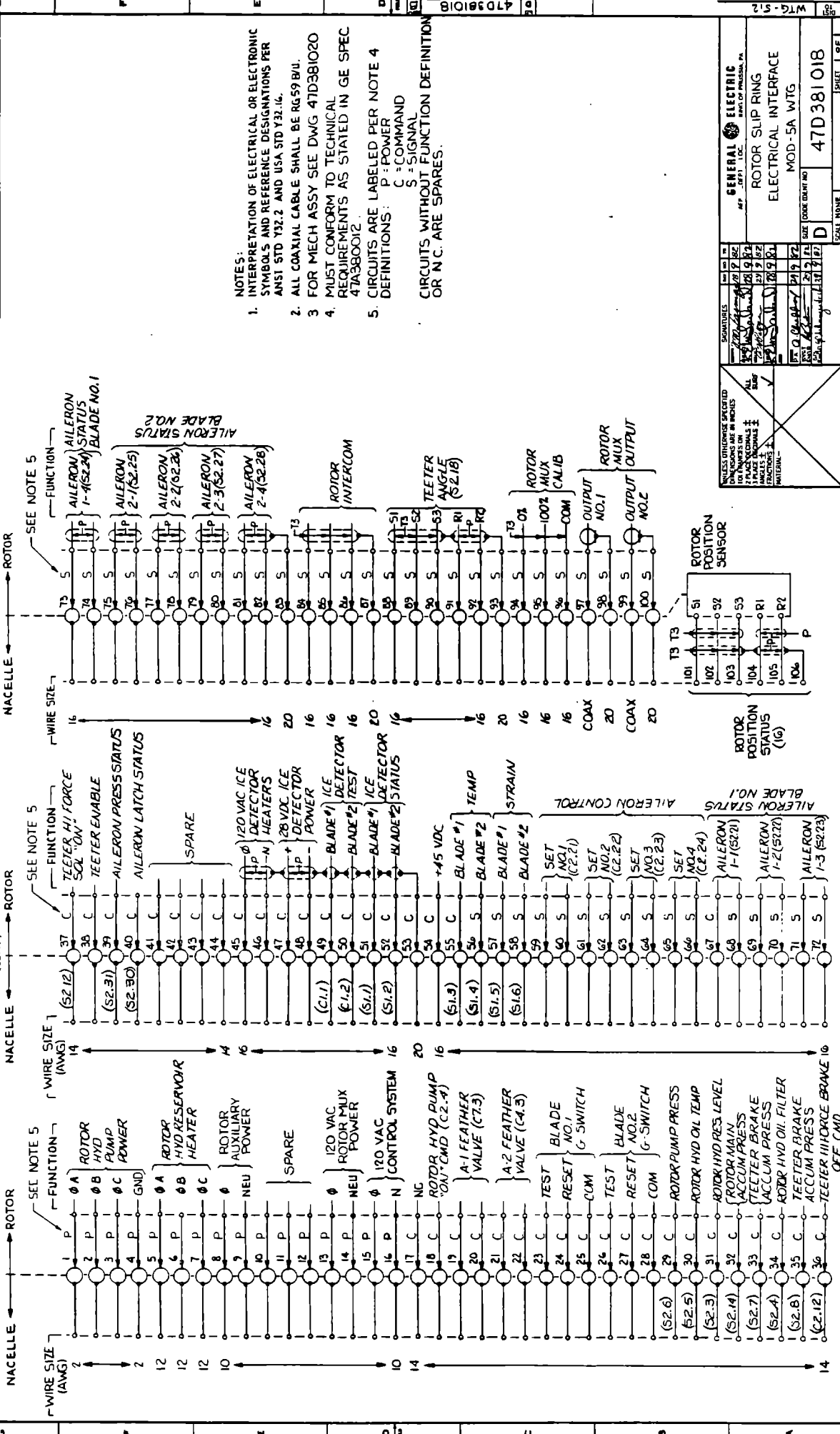
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REV	DATE	DESCRIPTION	APPROVED
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REV	DATE	DESCRIPTION	APPROVED
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REV	DATE	DESCRIPTION	APPROVED
00	REVISED PER A-1		

ZONE	REV	DESCRIPTION	DATE	APPROVED
A	INC AN-1			
B	INC AN-2			



- NOTES:
1. INTERPRETATION OF ELECTRICAL OR ELECTRONIC SYMBOLS AND REFERENCE DESIGNATIONS PER ANST STD Y32.2 AND USA STD Y32.16.
 2. ALL COAXIAL CABLE SHALL BE RG59 B/U.
 3. FOR MECH ASSY SEE DWG 47D381020
 4. MUST CONFORM TO TECHNICAL REQUIREMENTS AS STATED IN GE SPEC 47A380012.
 5. CIRCUITS ARE LABELED PER NOTE 4
- DEFINITIONS: P = POWER
C = COMMAND
S = SIGNAL
- CIRCUITS WITHOUT FUNCTION DEFINITION OR N.C. ARE SPARES.

GENERAL ELECTRIC
PART OF PRUDENTIAL

ROTOR SLIP RING
ELECTRICAL INTERFACE
MOD-5A WTS

47D381018

DATE: 11/17/72
BY: [Signature]

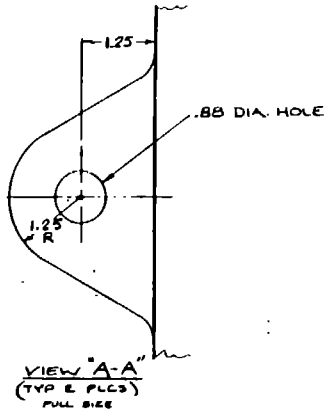
SCALE: NONE

SHEET: 2 OF 1

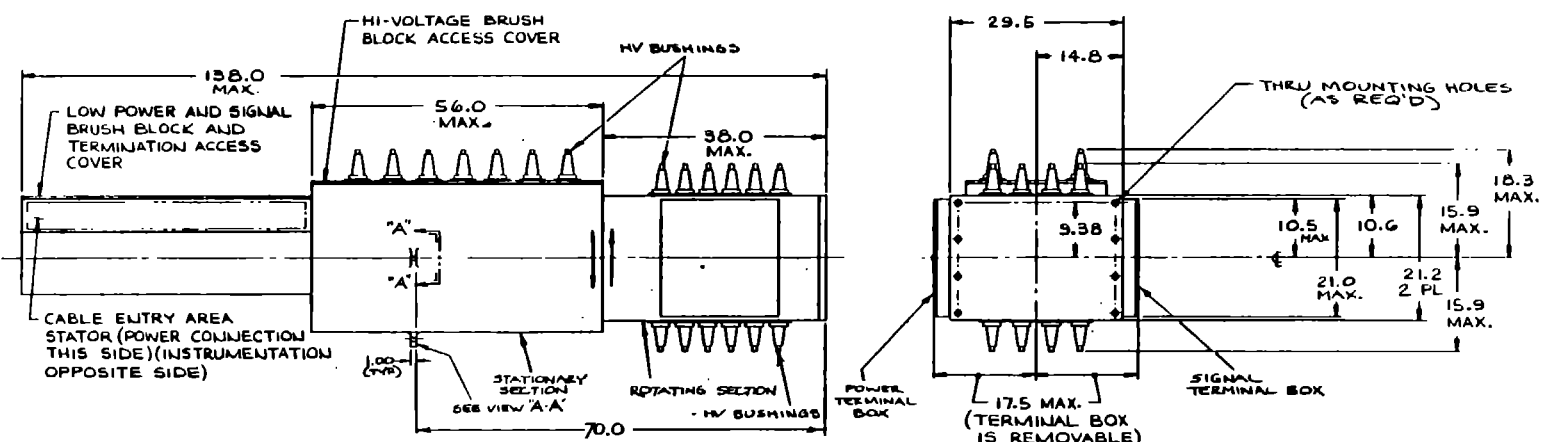
ORIGINAL PAGE IS OF POOR QUALITY

ZONE		REV	DATE	APPROVED
A		REDRAWN & REVISED PER AN-1	2/27/74	W.A.C.

SOURCE OF SUPPLY			
SUPPLY	VENDOR PART NO.	VENDOR	FRGM.
PI	LATER	LATER	LATER



- NOTES:
1. SLIP RING ASSY MUST CONFORM TO TECHNICAL REQUIREMENTS AS STATED IN G.E. SPEC. 47A380012.
 2. FOR ELECTRICAL INTERFACE SEE G.E. DRAWING 47E381017.



SOURCE CONTROL DRAWING
 ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULAR ITEM HAVE BEEN TESTED AND APPROVED BY G.E. FOR USE ON THIS EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY G.E.
 NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PLD-CHASING.

SIGNATURES		DATE	NO.	BY
BOB BEARD	21	9	02	
B. BODENHORN	23	9	02	
A.H. PALSEE	30	9	02	
D. KUMATH	24	9	02	
L. JAMVALLIUS	30	9	02	
M. LINDEN	20	9	02	
A. CHODAS	18	9	02	
J. SCHNEIDER	25	8	02	
B.S. BARTIN	19	9	02	

GENERAL ELECTRIC
 MAP - GEP - LOC. MADE IN PHOENIX, AZ

SLIP RING UNIT
 YAW AXIS

47D381019

PI	MOD 5A
DIFFER	MOD 5A
APPLICATION	

SCALE 1/16" = 1" MOD 5A WTG SHEET 1 OF 1

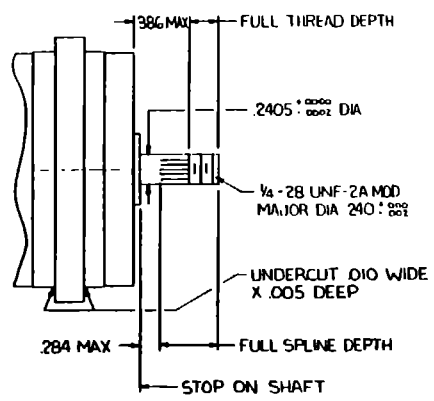
47D381019A110

WTG-512

47D381024

SUGGESTED SOURCES OF SUPPLY			
SUPPLIER	VENDOR PART NO.	VENDOR	FROM
PI	VCX23-6N3	VERITRON CONTROL COMPONENTS 2440 W CARSON ST TORRANCE, CAL 90501	

SPLINE DATA (NOTE 2)	
TEETH	22
PITCH	.96
PITCH DIAMETER	.2291 ± .0002
OUTSIDE DIAMETER	.2405 ± .0002
PRESSURE ANGLE	20°
ROOT DIA MAX	.205
TOOTH FORM	FULL DEPTH INVOLUTE



SHAFT DETAIL

SPECIFICATIONS

ELECTRICAL
 PRIMARY WINDING: ROTOR (TERM R1 & R2 - EXCITATION)
 PRIMARY VOLTAGE: 115 VAC
 SECONDARY WINDING: STATOR (TERM S1, S2 (S3 - SIGNAL))
 SECONDARY VOLTAGE: 90 VAC
 TRANSFORMATION RATIO: 0.783 ± 2%
 PRIMARY FREQUENCY: 60 Hz
 PRIMARY CURRENT: 80 mA MAX
 DC RESISTANCE
 ROTOR: 200 OHMS
 STATOR: 250 OHMS
 ERROR: 0.1° MAX
 NULL VOLTAGE
 TOTAL: 60 mv
 FUNDAMENTAL: 30 mv

MECHANICAL CONT

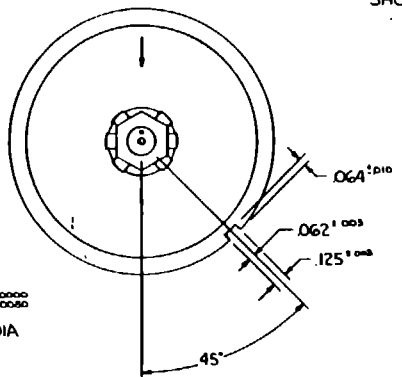
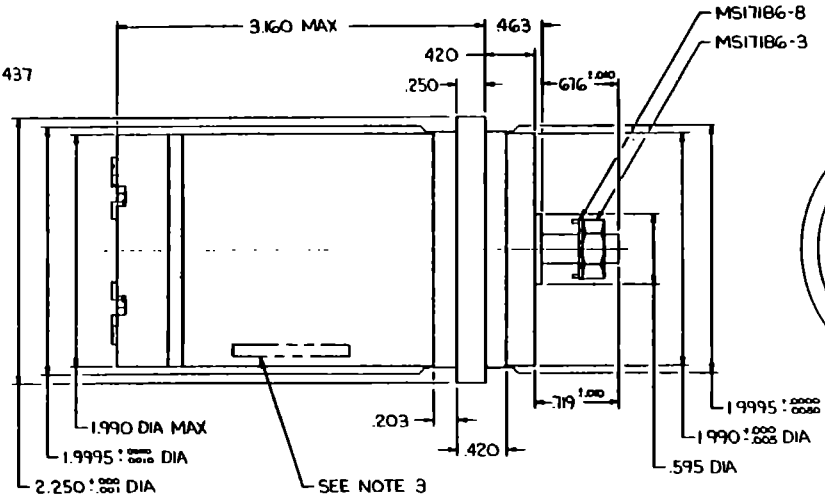
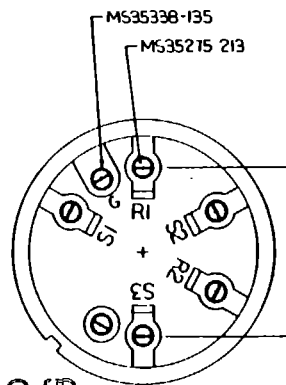
FRICITION TORQUE: 0.20 OZ-IN MAX
 SHAFT RUNOUT (SMOOTH PORTION): 0.0008 T.I.R. MAX
 HOUSING & SHAFT MATL: CRESS STEEL
 OPERATING TEMPERATURE: -55°C TO +125°C
 UNIT SIZE: 23

MECHANICAL

RADIAL PLAY WITH 1/2 POUND REVERSING LOAD: 0.0010 INCHES MAX
 END PLAY WITH 1 POUND REVERSING LOAD: 0.0005 - .0045 INCHES

NOTES

- INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER Y14.5
- THE END FUNCTION OF THIS SPLINE IS FOR POSITIVE ROTATIONAL FASTENINGS, IT IS NOT TO BE USED AS A GEAR.
- MARK "GE47D381024PI" WITH EPOXY BASE INK, 12 HIGH CHARACTERS APPROX AS SHOWN



SPECIFICATION CONTROL DRAWING

DEFINITION OF THE "SUGGESTED SOURCES OF SUPPLY" LISTED IN THIS DRAWING IS NOT A WARRANTY OF PERFORMANCE OR QUALITY AND THE BUYER AS A SOURCE OF SUPPLY, IT IS THE BUYER'S RESPONSIBILITY TO VERIFY THE QUALITY OF THE SUPPLY.

BUYER'S SMALL, NOT LISTED, USE OF THIS INFORMATION FOR OTHER THAN THE ORIGINAL INTENDED PURPOSE IS NOT THE RESPONSIBILITY OF GENERAL ELECTRIC. BUYER'S USE OF THIS INFORMATION FOR OTHER THAN THE ORIGINAL INTENDED PURPOSE IS AT THE BUYER'S RISK AND WITHOUT LIABILITY TO GENERAL ELECTRIC.

ORIGINAL PAGE IS OF POOR QUALITY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-- TOLERANCES ON 2 PLACE DECIMALS ± .03 ALL 3 PLACE DECIMALS ± .003 SURF ANGLES ± 5° FRACTIONS ± .001

SIGNATURE	DATE	REV	BY
[Signature]	19 11 81		
[Signature]	7 11 82		
[Signature]	7 12 82		
[Signature]	23 11 82		
[Signature]			
[Signature]			
[Signature]			
[Signature]			

GENERAL ELECTRIC
 ROTARY POSITION SENSOR (SYNCHRO)
 MOD-5A WTG

47D381024

SCALE 2:1

SHEET 1 OF 1

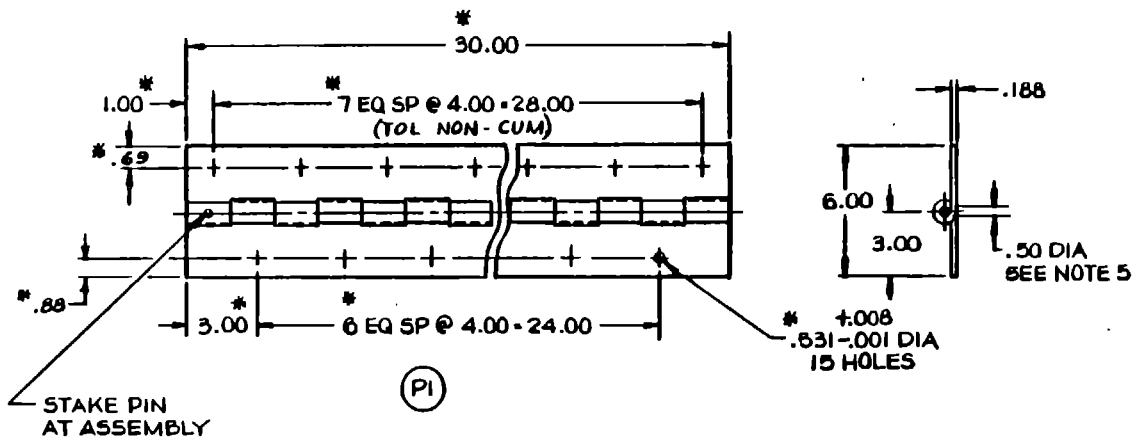
47D381024

WTG-512

SOURCE OF SUPPLY

SUFFIX	VENDOR PART NO.	VENDOR	FRGM
PI	918096	MARLBORO MFG INC ALLIANCE, OHIO	53755

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



- NOTES:
1. DRAWING TERMS (TOLERANCES PER ANSI Y14.5.
 2. BREAK ALL SHARP EDGES.
 3. SAME AS VENDORS PART NUMBER EXCEPT AS NOTED.
 4. ALL DIMENSIONS MARKED WITH A ASTERISK (*) ARE ALTERATIONS OF THE ITEM AS SUPPLIED UNDER THE VENDORS IDENT NUMBER.
 5. HINGE PIN TO BE STAINLESS STEEL.
 6. MARK '47C381030PI' WITH A CONTRASTING COLOR.

EST. WT - 14.50 LBS

ALTERED PART DRAWING

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

SUFFIX	NEXT ASSY	USED ON	APPLICATION
PI	47D382474	NACELLE	
PI	47D382430	NACELLE	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ON
 2 PLACE DECIMALS ±.03 ALL SURF
 3 PLACE DECIMALS ±.005
 ANGLES ±
 FRACTIONS ±
 MATERIAL—
STEEL-UNPLATED

SIGNATURES			
DATE	NO	BY	
22	8	AB	
21	12	BS	
20	2	BP	
9	2	BP	
27	2	BP	
24	1	BP	

GENERAL ELECTRIC
 AEP -DEPT LOC- KING OF PRUSSIA, PA

HINGE, TRAP DOOR (BEDPLATE) MOD 5A-WTG

SIZE CODE IDENT NO
C 47C381030

SCALE 1/4 SHEET 1 OF 1

REV C 47C381030 WTG-504 DIS TO

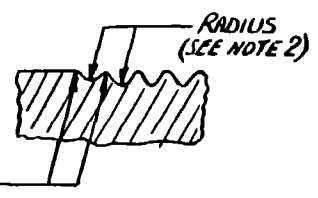
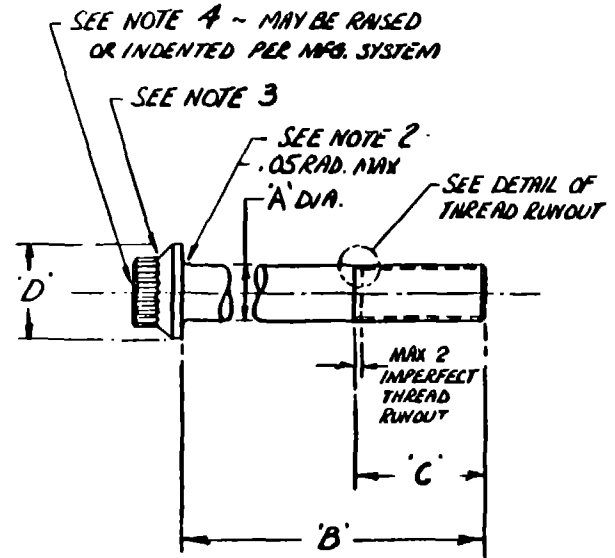
SUGGESTED SOURCE OF SUPPLY

SUFFIX	VENDOR PART NO.	VENDOR	FSCM
ALL PARTS		SPS CO. JENKINTOWN, PA.	
		FERRY CAP & SCREW COMPANY CLEVELAND, OHIO	
		ERIE BOLT CORP. ERIE, PA.	
ALL PARTS		BETHLEHEM STEEL CORP. BETHLEHEM, PA.	

SPECIFICATION CONTROL DRAWING

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

ZONL		LTR		DESCRIPTION	DATE	APPROVED



DETAIL OF RUNOUT

GENERAL NOTES

1. THESE PARTS MUST COMPLY TO REQUIREMENTS OF G.E. SPEC 47A380121 FOR ALLOY STEEL TWELVE POINT HEAD BOLT
2. THREADS AND FILLET TO BE ROLLED AFTER HEAT TREAT WITH CONTROLLED RADIUS ROOT RUNOUT AT SHANK END OF THREAD.
3. HEAD SHAPE (EXCEPT AS NOTED), FILLET RADIUS AND THREAD CHAMFER TO BE PER STANDARD MANUFACTURER'S PROCESS FOR BOLT SIZE.
4. HEAD OF BOLTS TO BE MARKED AS FOLLOWS - "RAHT - B" (ROLLED AFTER HEAT TREAT - GR B)
5. FINISHED BOLTS TO BE BOXED, BAGGED, OR TAGGED WITH GE IDENT NO. GE47C381036 P-- AS APPLICABLE. BOXES OR BAGS TO BE OF A DURABLE NATURE SUITABLE FOR OVERSEAS SHIPMENT. TAGS TO BE METAL, WITH METAL STAMP OR ETCHED NUMBERS.
6. FINISH PER GE SPEC. 47A380121 SEC. 3.12
7. DNG. TERMS AND TOL. PER ANSI Y14.5

SEE SHEET 2 FOR TABULATION

ORIGINAL PAGE IS OF POOR QUALITY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - TOLERANCES ON:
 2 PLACE DECIMALS ± .03 ALL SURF
 3 PLACE DECIMALS ± .010 SURF
 ANGLES ± 0°30' 129
 FRACTIONS ± 1/32
 MATERIAL -
 SEE NOTE 1

SIGNATURES		DAY	NO	YR
DRAWN	<i>[Signature]</i>	26	9	83
CHECKED	<i>[Signature]</i>	5	6	84
REMOVED	<i>[Signature]</i>	7	6	84
ENGRD	<i>[Signature]</i>	6	6	84
TESTED	<i>[Signature]</i>	6	6	84

GENERAL ELECTRIC
 BOLT, FATIGUE RATED
 (TWELVE PT. HEAD)
 MOD 5AWTG

SIZE CODE IDENT NO
 C 47C381036

SCALE NONE SHEET 1 OF 2

960/8321 47C381036 2 005 674 001

PART NO.	A DIA	B	C	D	THREAD SIZE & CLASS	PART NO.	A DIA	B	C	D	THREAD SIZE & CLASS
P2	1.0000 .9886	3.75	2.25	1.62 1.50	1.0-12 UNF CL 2A	P32	1.750 1.730		3.75	2.80 2.60	1.75-8 UN CL 2A
P3	1.0000 .9886	6.75	2.25	1.62 1.50	1.0-12 UNF CL 2A						
P4	1.0000 .9886	8.25	2.25	1.62 1.50	1.0-12 UNF CL 2A						
P10	1.250 1.234	6.75	2.75	2.12 2.00	1.25-12 UNF CL 2A	P40	2.000 1.980	10.25	4.25	3.20 3.00	2.00-8 UN CL 2A
P11	1.250 1.234	7.75	2.75	2.12 2.00	1.25-12 UNF CL 2A						
P12	1.250 1.234	8.75	2.75	2.12 2.00	1.25-12 UNF CL 2A						
P13	1.250 1.234	10.25	2.75	2.12 2.00	1.25-12 UNF CL 2A						
P20	1.500 1.482	7.25	3.25	2.50 2.35	1.50-12 UNF CL 2A	P50	2.250 2.230	10.25	4.50	3.60 3.40	2.25-8 UN CL 2A
P21	1.500 1.482	8.25	3.25	2.50 2.35	1.50-12 UNF CL 2A						
P22	1.500 1.482	8.75	3.25	2.50 2.35	1.50-12 UNF CL 2A						
P23	1.500 1.482	11.25	3.25	2.50 2.35	1.50-12 UNF CL 2A						
P24	1.500 1.482	10.00	3.50	2.50 2.35	1.50-12 UNF CL 2A						
P30	1.750 1.730	7.75	3.75	2.80 2.60	1.75-8 UN CL 2A						

REVISIONS			
ZONE	ITER	DESCRIPTION	DATE APPROVED

POLO

POLO

C

REV

B

47C381036

A

SHEET C

WTG-500

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES—
TOLERANCES ON
2 PLACE DECIMALS ±
3 PLACE DECIMALS ±
ANGLES ±
FRACTIONS ±
MATERIAL—

SIGNATURES			
DATE	NO.	BY	SR.
26	9	RT	
5	4	BY	
7	6	BY	
6	6	BY	
6	5	BY	
6	6	BY	

GENERAL ELECTRIC
AEP DEPT LOC. KING OF PRUSSIA PA

BOLT, FATIGUE RATED
(TWELVE PT. HEAD)
MOD-5A WTG

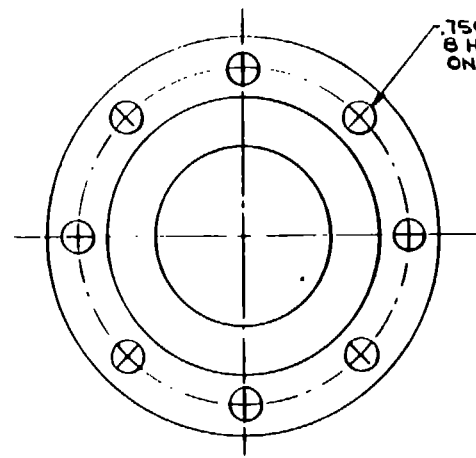
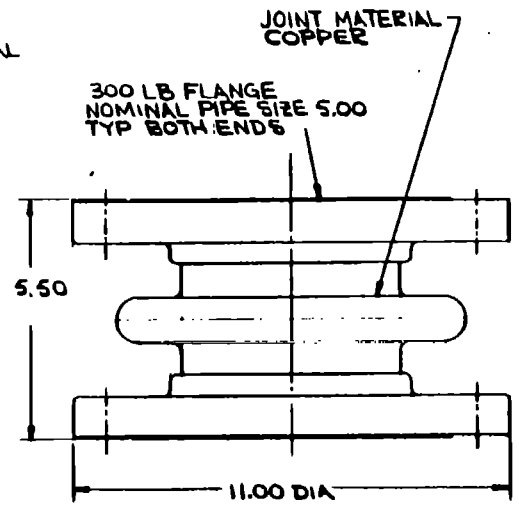
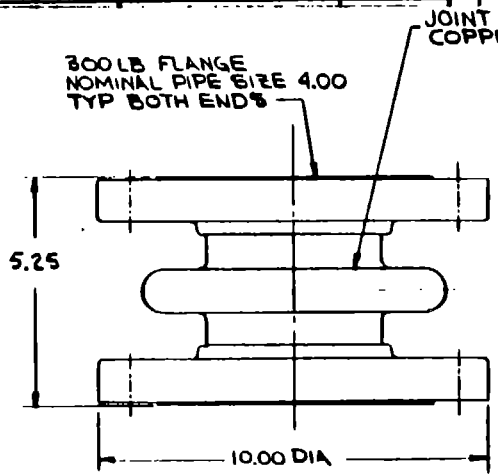
SIZE **C** CODE IDENT NO **47C381036**

SCALE **NONE** SHEET **2 OF 2**

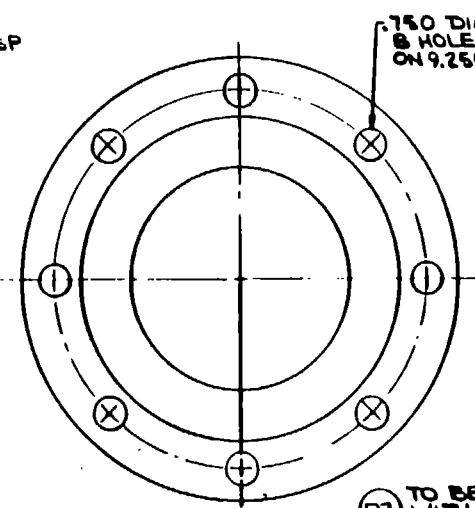
REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED

SOURCE OF SUPPLY			
SUFFIX	VENDOR PART NO.	VENDOR	FBGM
P1	LATER	CRANE CO, ELMSFORD N.Y.	14959
P2	LATER		



(P1) TO BE USED
WITH 4.00 PIPE



(P2) TO BE USED
WITH 5.00 PIPE

ORIGINAL PARTS OF POOR QUALITY

NOTES:

- PARTS TO INCLUDE MANUFACTURER'S IDENTIFICATION NUMBER.
- REQUIREMENTS
 - TRAVERSES OF JOINT NOT TO EXCEED .50 IN
 - WORKING PRESSURE 25 PSI MAX

SPECIFICATION CONTROL DRAWING
IDENTIFICATION OF THE "SUGGESTED SOURCE(S) OF SUPPLY" HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES—
TOLERANCES ON
2 PLACE DECIMALS ±
3 PLACE DECIMALS ±
ANGLES ±
FRACTIONS ±
MATERIAL—
ALL SURF ✓

SIGNATURES		DAY	MO	YR
DRAWN	<i>[Signature]</i>	21	12	82
CHECKED	<i>[Signature]</i>	16	5	84
ISSUED	<i>[Signature]</i>	29	5	84
ENGR	<i>[Signature]</i>	11	5	84
DATE	4/8			
SCALE	N/A			
CHIEF ENGR	<i>[Signature]</i>	21	5	84

GENERAL ELECTRIC
AEP DEPT LOC. KING OF PRUSSIA, PA
EXPANSION JOINT
GEARBOX OIL LINES
(MOD 5A-WTG)

SIZE CODE IDENT NO
C 47C381039

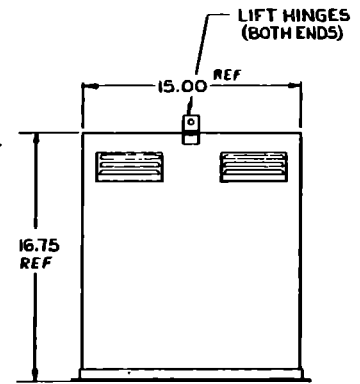
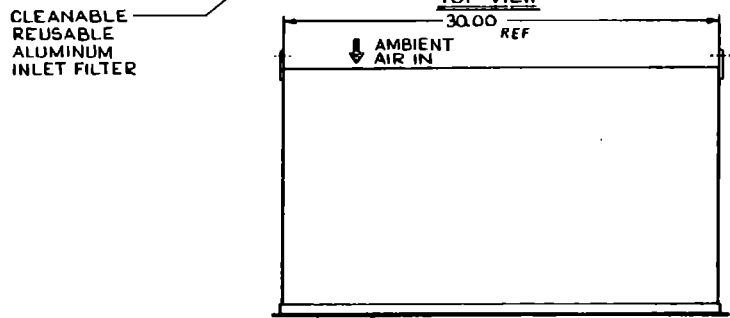
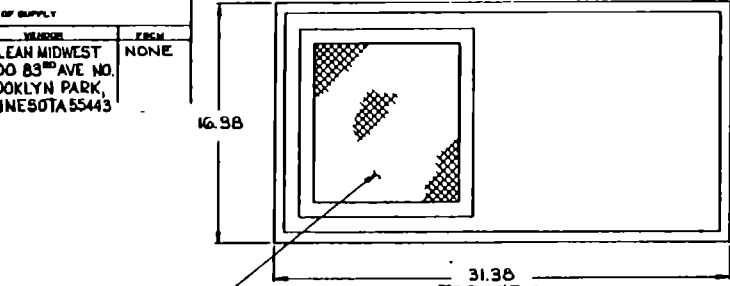
SUFFIX	IDENT NO	MOD	USED ON
P1	47C381039	MOD 5A	
P2			

REV C 47C381039 WTG-504

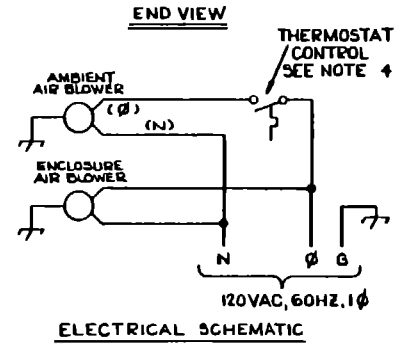
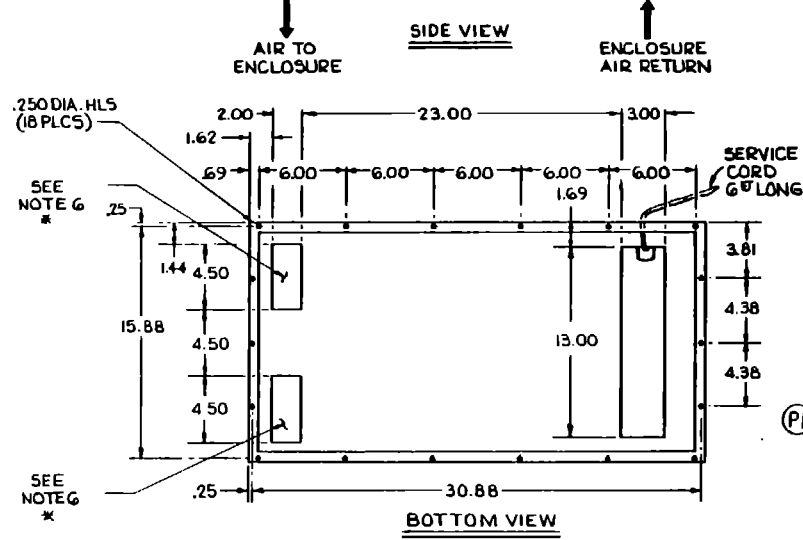
47D381040

REVISIONS		DATE	APPROVED
ZONE	LTN	DESCRIPTION	

SOURCE OF SUPPLY			
QUANTITY	VENDOR PART NO.	VENDOR	FINISH
P1	(LATER)	MCLEAN MIDWEST 4000 83 RD AVE. NO. BROOKLYN PARK, MINNESOTA 55443	NONE



- NOTES:**
- 1- DRAWING TERMS & TOLERANCES PER ANSI Y14.5.
 - 2- MARK "GE 47D381040 P-1" WITH 25 HIGH CHARACTERS IN A CONTRASTING COLOR.
 - 3- ENCLOSURE AIR BLOWER TO RUN CONTINUOUSLY WHEN POWER IS APPLIED.
 - 4- AMBIENT AIR BLOWER TO BE THERMOSTATICALLY CONTROLLED ON THE ENCLOSURE AIR RETURN TEMPERATURE. - THERMOSTAT CONTROL SHALL BE ACCESSIBLE BY REMOVING AMBIENT AIR INLET FILTER - THERMOSTAT SHALL BE ADJUSTABLE FROM 50°F TO 130°F WITH ADJUSTABLE DIFFERENTIAL CONTROL OF 3.5°F TO 12°F.
 - 5- GASKET KIT FOR MOUNTING TO ENCLOSURE SHALL BE INCLUDED WITH HEAT EXCHANGER.
 - 6- HEAT EXCHANGER TO BE SUPPLIED WITHOUT ENCLOSURE AIR INLET GRILLES.
 - 7- ALL MODIFICATIONS ARE NOTED BY AN ASTERISK (*)



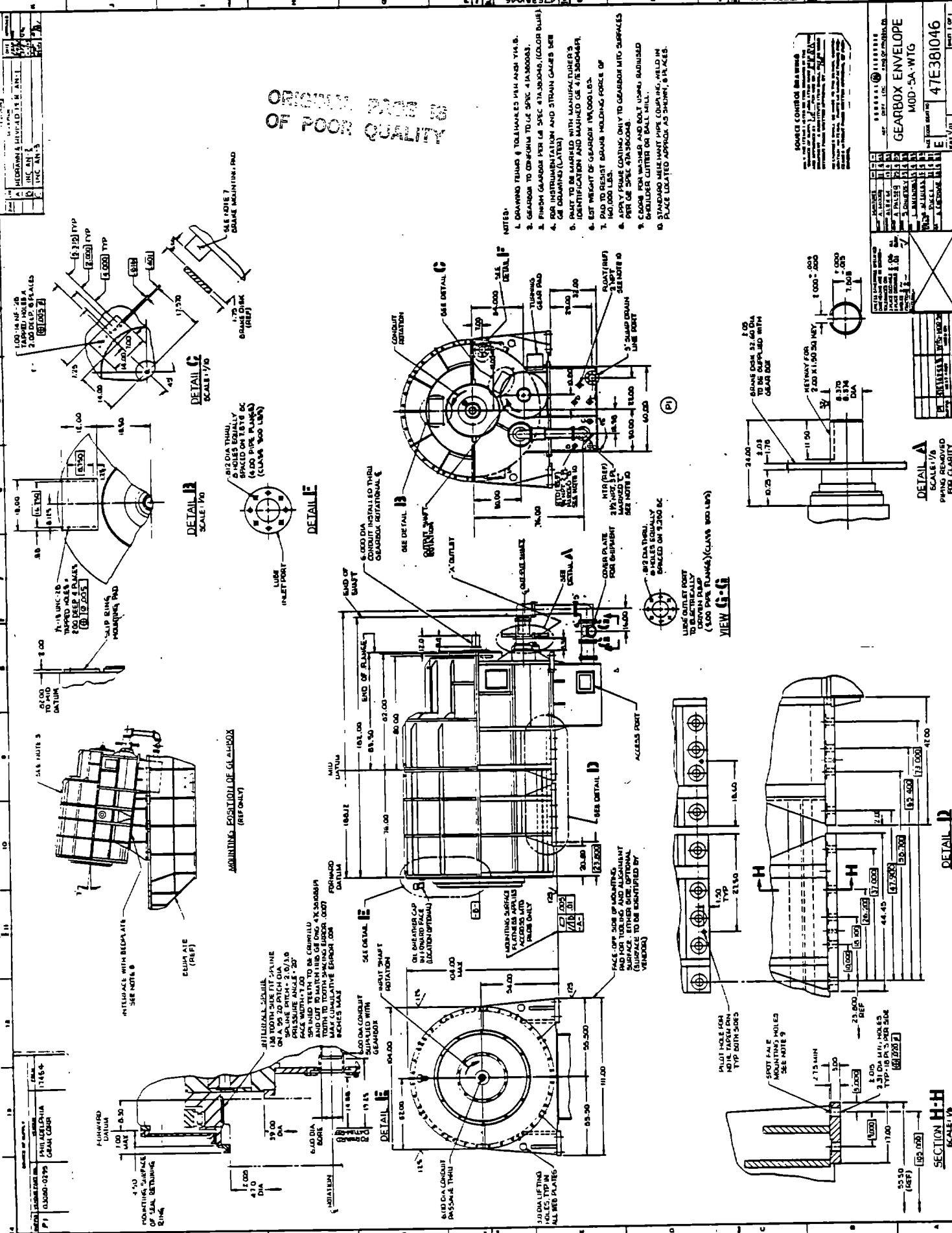
SOURCE CONTROL DRAWING
 ONLY THE ITEMS LISTED ON THIS DRAWING IN THE SOURCE OF SUPPLY FABRICATION HAVE BEEN TESTED AND APPROVED BY G.E. - FOR USE ON G.E. EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY G.E.

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIALS, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF THE CHASING.

(P1) SAME AS VENDORS MODEL No (HE-3016-00) EXCEPT AS NOTED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - FOR DIMENSIONS ON 2 PLACE DECIMALS ± .03 ALL DIMENSIONS ON 1 PLACE DECIMALS ± .010 FRACTIONS 1/16 INCHES	SIGNATURES [Signatures]	GENERAL ELECTRIC MFG. DEPT. LOC. Bldg. OF PHILADEL. PA.
	DATE [Dates]	
P1 47E98706E QUANTITY 1000 MADE IN U.S.A.	HEAT EXCHANGER - AIR TO AIR (MOD. 5A-WTG) SIZE CODE IDENT NO. 47D381040	SCALE 1/4" = 1"

47D381040



ORIGINAL DRAWING OF POOR QUALITY

SOURCE CONTROL MEASUREMENTS
 ALL DIMENSIONS TO BE TAKEN FROM THE SURFACE UNLESS OTHERWISE SPECIFIED.
 DIMENSIONS IN PARENTHESES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN SQUARE BRACKETS ARE FOR INFORMATION ONLY.
 DIMENSIONS IN CIRCLES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN TRIANGLES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN DIAMONDS ARE FOR INFORMATION ONLY.
 DIMENSIONS IN PARALLELOGRAMS ARE FOR INFORMATION ONLY.
 DIMENSIONS IN OVALS ARE FOR INFORMATION ONLY.
 DIMENSIONS IN STARS ARE FOR INFORMATION ONLY.
 DIMENSIONS IN WAVY LINES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN DASHED LINES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN DOTTED LINES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN LONG DASHED LINES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN SHORT DASHED LINES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN LONG DOTTED LINES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN SHORT DOTTED LINES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN LONG DASH DOTTED LINES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN SHORT DASH DOTTED LINES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN LONG DOTTED DASHED LINES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN SHORT DOTTED DASHED LINES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN LONG DASH DOTTED DASHED LINES ARE FOR INFORMATION ONLY.
 DIMENSIONS IN SHORT DASH DOTTED DASHED LINES ARE FOR INFORMATION ONLY.

REV	DATE	DESCRIPTION
1	11/14/84	ISSUED FOR MANUFACTURE
2	11/14/84	ISSUED FOR MANUFACTURE
3	11/14/84	ISSUED FOR MANUFACTURE
4	11/14/84	ISSUED FOR MANUFACTURE
5	11/14/84	ISSUED FOR MANUFACTURE
6	11/14/84	ISSUED FOR MANUFACTURE
7	11/14/84	ISSUED FOR MANUFACTURE
8	11/14/84	ISSUED FOR MANUFACTURE
9	11/14/84	ISSUED FOR MANUFACTURE
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14	11/14/84	ISSUED FOR MANUFACTURE
15	11/14/84	ISSUED FOR MANUFACTURE
16	11/14/84	ISSUED FOR MANUFACTURE
17	11/14/84	ISSUED FOR MANUFACTURE
18	11/14/84	ISSUED FOR MANUFACTURE
19	11/14/84	ISSUED FOR MANUFACTURE
20	11/14/84	ISSUED FOR MANUFACTURE

GEARBOX ENVELOPE
 MOD-5A-WTG
 47E381046

REV	DATE	DESCRIPTION
1	11/14/84	ISSUED FOR MANUFACTURE
2	11/14/84	ISSUED FOR MANUFACTURE
3	11/14/84	ISSUED FOR MANUFACTURE
4	11/14/84	ISSUED FOR MANUFACTURE
5	11/14/84	ISSUED FOR MANUFACTURE
6	11/14/84	ISSUED FOR MANUFACTURE
7	11/14/84	ISSUED FOR MANUFACTURE
8	11/14/84	ISSUED FOR MANUFACTURE
9	11/14/84	ISSUED FOR MANUFACTURE
10	11/14/84	ISSUED FOR MANUFACTURE
11	11/14/84	ISSUED FOR MANUFACTURE
12	11/14/84	ISSUED FOR MANUFACTURE
13	11/14/84	ISSUED FOR MANUFACTURE
14	11/14/84	ISSUED FOR MANUFACTURE
15	11/14/84	ISSUED FOR MANUFACTURE
16	11/14/84	ISSUED FOR MANUFACTURE
17	11/14/84	ISSUED FOR MANUFACTURE
18	11/14/84	ISSUED FOR MANUFACTURE
19	11/14/84	ISSUED FOR MANUFACTURE
20	11/14/84	ISSUED FOR MANUFACTURE

GEARBOX ENVELOPE
 MOD-5A-WTG
 47E381046

REV	DATE	DESCRIPTION
1	11/14/84	ISSUED FOR MANUFACTURE
2	11/14/84	ISSUED FOR MANUFACTURE
3	11/14/84	ISSUED FOR MANUFACTURE
4	11/14/84	ISSUED FOR MANUFACTURE
5	11/14/84	ISSUED FOR MANUFACTURE
6	11/14/84	ISSUED FOR MANUFACTURE
7	11/14/84	ISSUED FOR MANUFACTURE
8	11/14/84	ISSUED FOR MANUFACTURE
9	11/14/84	ISSUED FOR MANUFACTURE
10	11/14/84	ISSUED FOR MANUFACTURE
11	11/14/84	ISSUED FOR MANUFACTURE
12	11/14/84	ISSUED FOR MANUFACTURE
13	11/14/84	ISSUED FOR MANUFACTURE
14	11/14/84	ISSUED FOR MANUFACTURE
15	11/14/84	ISSUED FOR MANUFACTURE
16	11/14/84	ISSUED FOR MANUFACTURE
17	11/14/84	ISSUED FOR MANUFACTURE
18	11/14/84	ISSUED FOR MANUFACTURE
19	11/14/84	ISSUED FOR MANUFACTURE
20	11/14/84	ISSUED FOR MANUFACTURE

GEARBOX ENVELOPE
 MOD-5A-WTG
 47E381046

REV	DATE	DESCRIPTION
1	11/14/84	ISSUED FOR MANUFACTURE
2	11/14/84	ISSUED FOR MANUFACTURE
3	11/14/84	ISSUED FOR MANUFACTURE
4	11/14/84	ISSUED FOR MANUFACTURE
5	11/14/84	ISSUED FOR MANUFACTURE
6	11/14/84	ISSUED FOR MANUFACTURE
7	11/14/84	ISSUED FOR MANUFACTURE
8	11/14/84	ISSUED FOR MANUFACTURE
9	11/14/84	ISSUED FOR MANUFACTURE
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11	11/14/84	ISSUED FOR MANUFACTURE
12	11/14/84	ISSUED FOR MANUFACTURE
13	11/14/84	ISSUED FOR MANUFACTURE
14	11/14/84	ISSUED FOR MANUFACTURE
15	11/14/84	ISSUED FOR MANUFACTURE
16	11/14/84	ISSUED FOR MANUFACTURE
17	11/14/84	ISSUED FOR MANUFACTURE
18	11/14/84	ISSUED FOR MANUFACTURE
19	11/14/84	ISSUED FOR MANUFACTURE
20	11/14/84	ISSUED FOR MANUFACTURE

GEARBOX ENVELOPE
 MOD-5A-WTG
 47E381046

REV	DATE	DESCRIPTION
1	11/14/84	ISSUED FOR MANUFACTURE
2	11/14/84	ISSUED FOR MANUFACTURE
3	11/14/84	ISSUED FOR MANUFACTURE
4	11/14/84	ISSUED FOR MANUFACTURE
5	11/14/84	ISSUED FOR MANUFACTURE
6	11/14/84	ISSUED FOR MANUFACTURE
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8	11/14/84	ISSUED FOR MANUFACTURE
9	11/14/84	ISSUED FOR MANUFACTURE
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11	11/14/84	ISSUED FOR MANUFACTURE
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14	11/14/84	ISSUED FOR MANUFACTURE
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16	11/14/84	ISSUED FOR MANUFACTURE
17	11/14/84	ISSUED FOR MANUFACTURE
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19	11/14/84	ISSUED FOR MANUFACTURE
20	11/14/84	ISSUED FOR MANUFACTURE

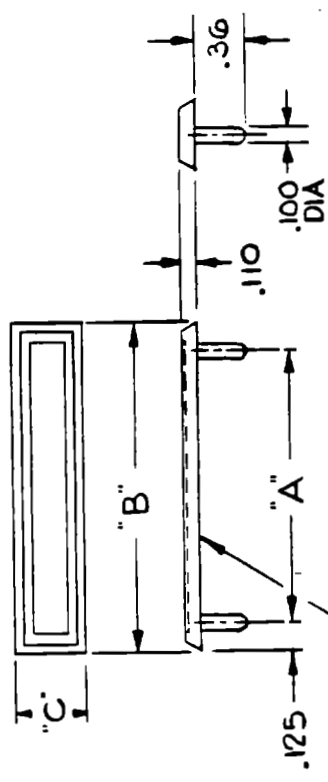
GEARBOX ENVELOPE
 MOD-5A-WTG
 47E381046

ZONE	I.T.R.	DESCRIPTION	DATE	APPROVED

SOURCE OF SUPPLY	
SUFFIX	VENDOR PART NO.
P1	SERIES 10-9
P2	" 10-15
P3	" 10-25
P4	" 10-37
P5	SERIES 10-50
THE DAN PEPPER COMPANY 1191/2 RIVERA ROAD BLDG "D" SANTA FE SPRINGS CA. 90670	

- NOTES:
- INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 - PART TO BE MARKED "GE47B381059 P-_" USING EPOXY BASE INK OF A CONTRASTING COLOR.
 - MAT'L: ABS PLASTIC.
 - COLOR: BLACK
 - EACH COVER TO BE SUPPLIED WITH TWO (2) RETAINER CLIPS.

ORIGINAL FROM GE
OF TOP QUALITY



GE PART NO.	"D" CONN. SIZE	DIMENSIONS		
		A	B	C
1	9	.984	1.23	.58
2	15	1.312	1.56	.58
3	25	1.852	2.10	.58
4	37	2.500	2.75	.58
5	50	2.406	2.66	.68

SEE NOTE 2

SOURCE CONTROL DRAWING

ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULATION HAVE BEEN TESTED AND APPROVED BY **AEPD** FOR USE ON **WIG** EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY **AEPD**.

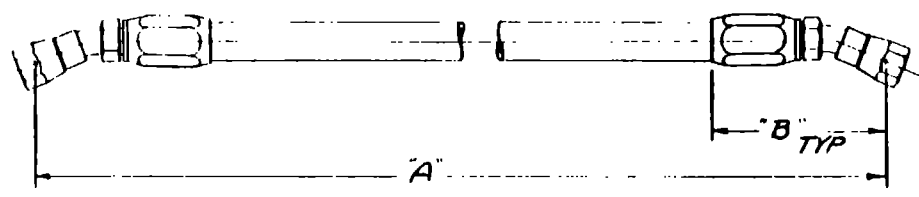
NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

SUFFIX	MULTI USAGE	MOD-5A	USED ON	APPLICATION
P1-P5				

GENERAL ELECTRIC KING OF PRUSSIA, PA. AEP - DEPT. LOC.	
CONNECTOR CUTOUT COVER (MOD-5A-WTG)	
SIZE	CODE IDENT NO.
B	47B381059
SCALE	SHEET 1 OF 1

SOURCE OF SUPPLY			
SUFFIX	VENDOR PART NO.	VENDOR	FORM
P1	SFE	AEROQUIP CORP 1225 W MAIN ST VAN WERT, OH 45891	01276
P2	BELOW		

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



- NOTES
1. DRAWING TERMS & TOLERANCES PER ANSI-Y14.5
 2. PART TO BE MARKED WITH MANUFACTURER'S IDENTIFICATION AND GE PART NO.
 3. FINISHED ASSY TO BE HYDROSTATICALLY TESTED & LEAK TESTED.

PART NO.	HOSE		FITTINGS		DIM "A"	DIM "B" (REF)
	VENDOR PT No	SIZE (REF)	VENDOR PT No.	THREAD		
P1	FC136-08	.50 ID	FC5978-0808C	3/4-16	53.80	4.05
P2	FC136-12	.75 ID	FC5978-1212C	1 1/16-12	53.36	4.72

SOURCE CONTROL DRAWING

ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULATION HAVE BEEN TESTED AND APPROVED BY AEP FOR USE ON MOD-5A EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY LABORER/ELC

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

SUFFIX	NEXT ASSY	USED ON
P1, P2	47J382350	MOD 5A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ON 2 PLACE DECIMALS ± .12 ALL SURF 3 PLACE DECIMALS ± .005 ANGLES ± .5° FRACTIONS ± 1/16

MATERIAL

SIGNATURES		DATE	NO	BY
DRAWN	<i>H. Schaefer</i>	21	6	83
CHECKED	<i>R. Johnson</i>	9	8	83
DESIGNED	<i>A. B. [unclear]</i>	5	6	84
ENGR	<i>[unclear]</i>	29	5	84
DATE				
BY				
BY	N/A			
BY				
BY				
DATE		19	8	83

GENERAL ELECTRIC
AEP DEPT LOC. KING OF PRUSSIA, PA

HOSE ASSEMBLY

(MOD 5A-WTG)

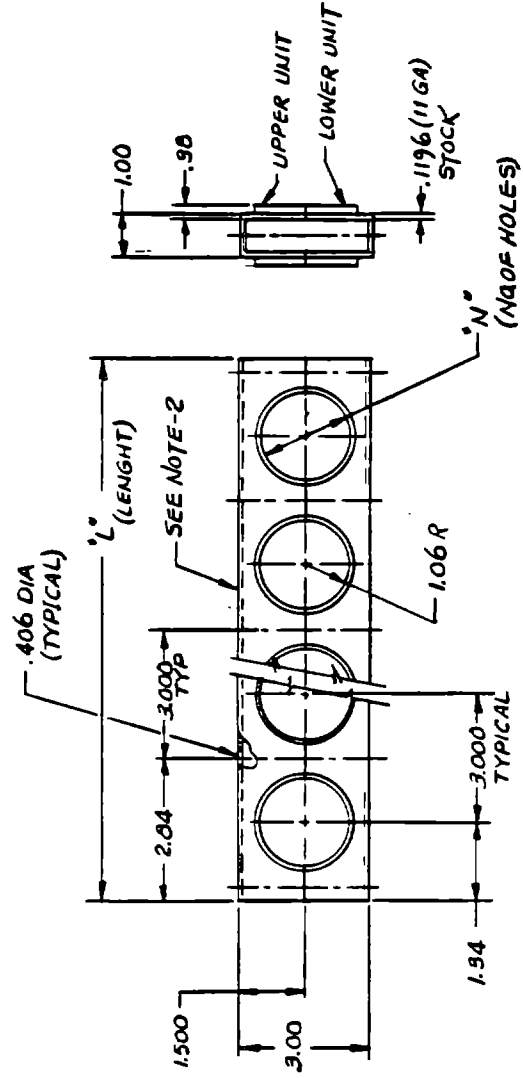
SIZE CODE IDENT NO
C 47C381066

SCALE NONE SHEET 1 OF 1

REV
C 47C381066
WTG 500

7 6 5 4 3 2 1

SOURCE OF SUPPLY		REV. NO.		47C381072	
VENDOR PART NO.		DESCRIPTION		DATE	
P1 C-PH-32-6-A		PARKER HANNIFIN CORP, TUBE DIV		APPROVED	
P2, P3 C-PH-32-4-A		CLEV, OHIO 44112		ZONE	
P3		30780		LTR	



- NOTES:
1. DRAWING TERMS & TOLERANCES PER ANSI-Y14.5.
 2. MARK VENDOR'S PART NO. & GE PART NO. IN AREA SHOWN, USING CONTRASTING COLOR.
 3. FINISH PER GE SPEC 47A380102 P2 (MHT).

ORIGINAL PAGE IS OF POOR QUALITY

PART NO.	DIM-L	N° NO. OF HOLES	FINISH
P1	17.69	6	SEE NOTE-3
P2	11.69	4	SEE NOTE-3
P3	11.69	4	NONE

SOURCE CONTROL DRAWING

ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" COLUMNS HAVE BEEN TESTED AND APPROVED BY GE FOR USE ON MOD-5A EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY GENERAL.

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES -		SIGNATURE		DATE	
TOLERANCES ON		DATE		DATE	
2 PLACE DECIMALS ±		1 8 83		1 8 83	
3 PLACE DECIMALS ±		2 8 83		2 8 83	
ANGLES ±		3 8 83		3 8 83	
FRACTIONS ±		4 8 83		4 8 83	
MATERIAL -		5 8 83		5 8 83	
ALUM ALY 3003 - H14		6 8 83		6 8 83	
PER ASTM - B809		7 8 83		7 8 83	
HYD INSTL		8 8 83		8 8 83	
INSTL		9 8 83		9 8 83	
USED ON		10 8 83		10 8 83	
APPLICATIONS:		11 8 83		11 8 83	
P3 47C382396		12 8 83		12 8 83	
P1, P2 47C382330		13 8 83		13 8 83	
MHT		14 8 83		14 8 83	
MHT		15 8 83		15 8 83	
MHT		16 8 83		16 8 83	
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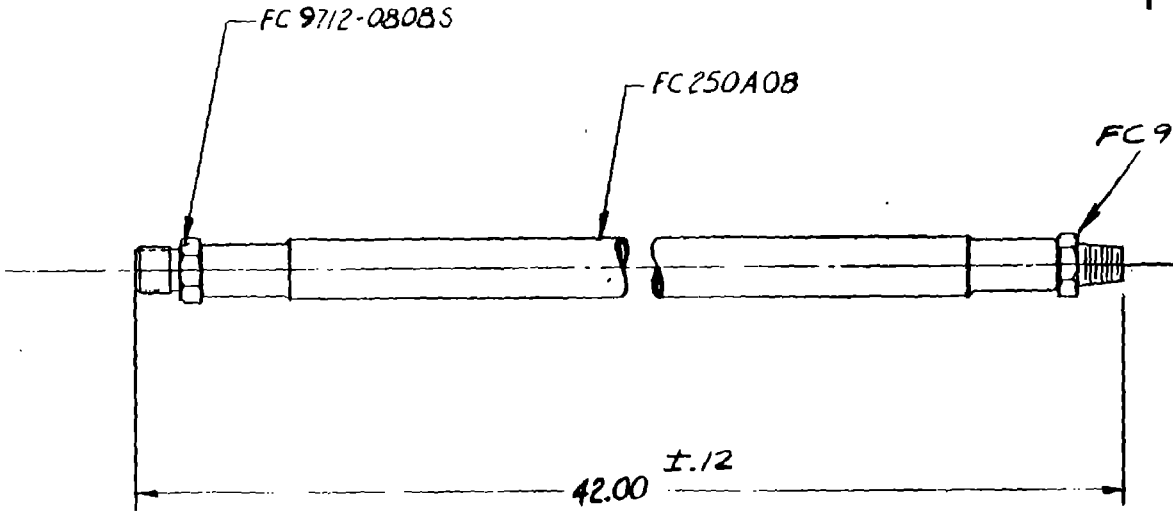
GENERAL ELECTRIC		AEP DEPT. LOC.		KIND OF PRUSSIA, PA	
CLAMP UNIT		SIZE		CODE IDENT NO	
(MOD-5A, WT6)		C		47C381072	
SCALE		1/2		2	
SHEET		1		OF 1	

SIZE B 47B381074 SHEET 1

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROV

SOURCE OF SUPPLY			
SUFFIX	VENDOR PART NO.	VENDOR	FSCM
PI	SEE F/D	AEROQUIP CORP	01276



- NOTES:
1. DWG TERMS & TOLERANCES PER ANSI Y14.5
 2. MARK PART "GE-47B381074 PI" WITH TAG.

SOURCE CONTROL DRAWING

ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULATION HAVE BEEN TESTED AND APPROVED BY GE FOR USE ON AEPD EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY GE/AEPD.

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

ORIGINAL PART OF POOR QUALITY

PI

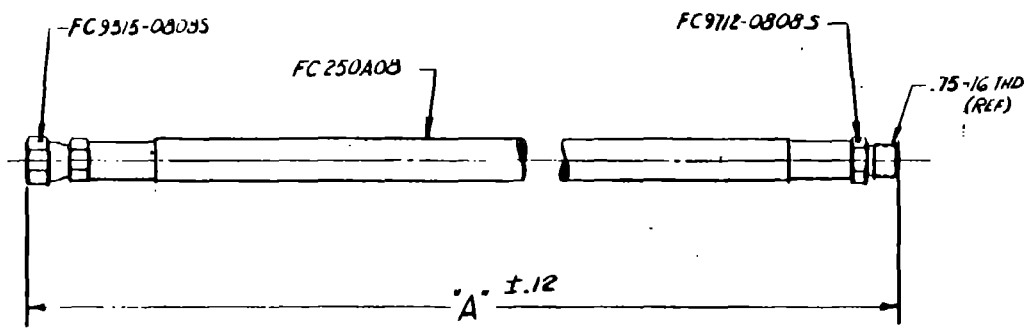
SUFFIX	NEXT ASSY	USED ON
PI	47B382313G1	MOD-5A-WTG
APPLICATION		

SIGNATURES		DAY	MO	YR
DRAWN	<i>[Signature]</i>	27	6	88
CHECKED	<i>[Signature]</i>	21	9	88
ISSUED	<i>[Signature]</i>	24	4	88
ENGRD	T.R.	10	10	83
MFG				
PA.	<i>[Signature]</i>	17	10	83
STRESS	N/A			
ENGRD	N/A			

GENERAL ELECTRIC	
AEP DEPT	LOC. KING OF PRUSSIA, PA.
HOSE, HYDRAULIC	
YAW BRAKE	
MOD 5A WTG	
SIZE B	CODE IDENT NO. 47B381074
SCALE 1:2	SHEET 1

SOURCE OF SUPPLY				REVISIONS				
SUFFIX	VENDOR PART NO.	VENDOR	FRGM	ZONE	LTR	DESCRIPTION	DATE	APPROVED
P1 P2	SEE F/D	AEROQUIP CORP	01276					

C-2



- NOTES:
- DWG TERMS & TOLERANCES PER ANSI Y14.5
 - MARK PART "GE 47C381075P1" WITH TAG.

P/N	LENGTH 'A'
P1	32.50
P2	40.00

SOURCE CONTROL DRAWING
 ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULATION HAVE BEEN TESTED AND APPROVED BY SE FOR USE ON ALPD EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY SE/BEER
 NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

SUFFIX	NEXT ASSY	USED ON
P2	471382313G	MOD 5A WTB
P1	471382313G	MOD 5A WTB

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ± FRACTIONS ± MATERIAL -

ALL SURF ✓

SIGNATURES		DATE	NO.	YR.
DRN	<i>[Signature]</i>	27	5	83
CHKD	<i>[Signature]</i>	21	9	83
ISSD	<i>[Signature]</i>	29	9	84
ENGR	T.K.L.	10	10	83
APP	N/A			
BA	<i>[Signature]</i>	17	10	83
STRES	N/A			
CHIEF	N/A			
APP	N/A			

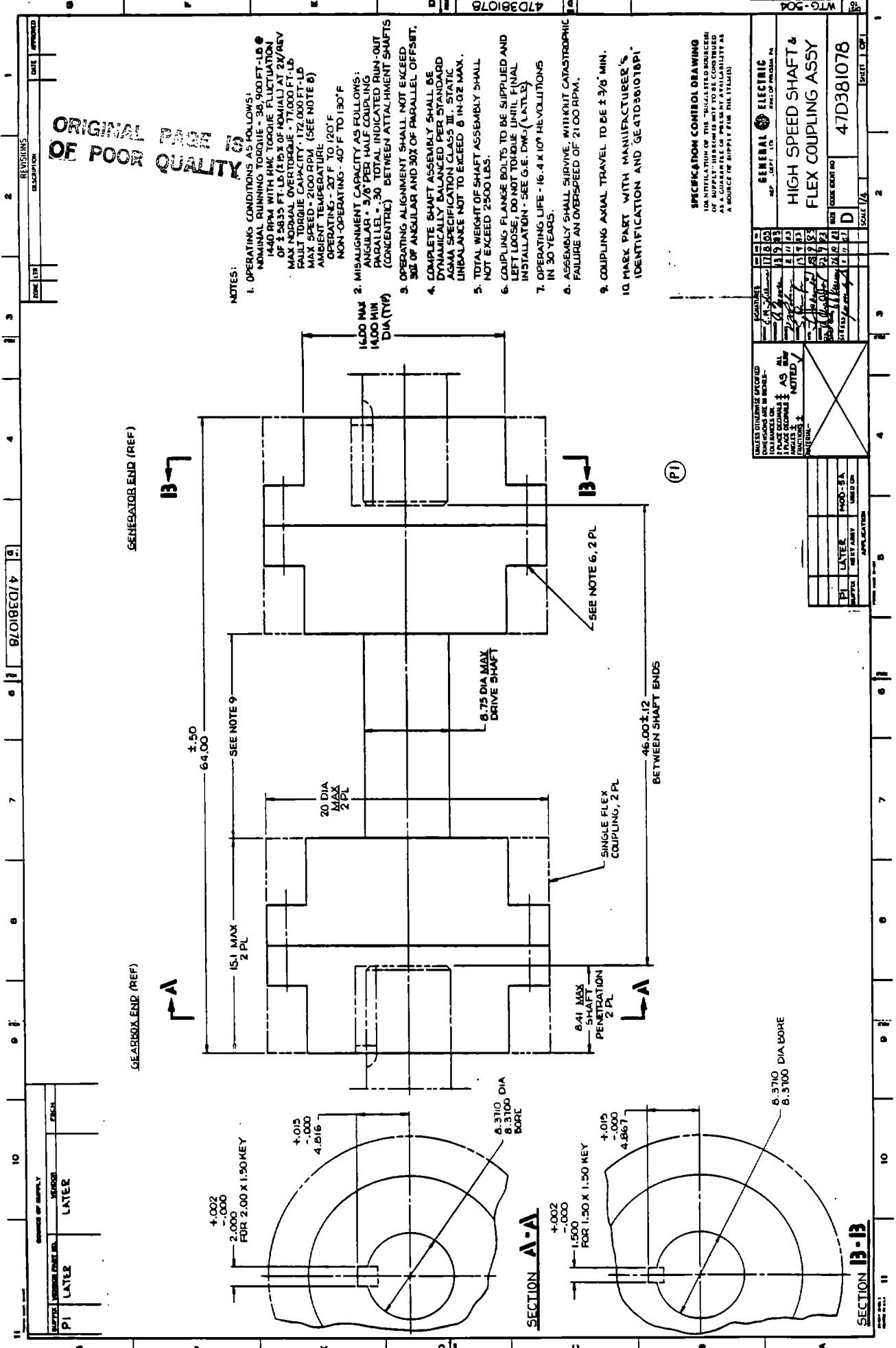
GENERAL ELECTRIC
 AEP DEPT LOC. KING OF PRUSSIA PA

HOSE, HYDRAULIC YAW BRAKE
 MOD 5A WTB

SIZE CODE IDENT NO
C 47C381075

SCALE 7/8 SHEET 1

REV C 47C381075 WTG 520



ORIGINAL PART TO BE OF POOR QUALITY

NOTES:

- OPERATING CONDITIONS AS FOLLOWS:
 MINIMAL RUNNING TORQUE - 36,900 FT-LB @ 1440 RPM WITH RMC TORQUE FLUCTUATION OF ± 5835 FT-LB (15% OF NOMINAL) AT 2N/REV
 MAX NORMAL OVERTORQUE - 71,000 FT-LB
 MAX TORQUE CAPACITY - 72,000 FT-LB
 MAX PERMITTED TEMPERATURE (SEE NOTE 8)
 OPERATING - 20° F TO 120° F
 NON-OPERATING - 40° F TO 130° F
- MISALIGNMENT CAPACITY AS FOLLOWS:
 ANGULAR - 3/8° PER HALF COUPLING
 PARALLEL - .30" TOTAL INDICATED IN-OUT (CONCENTRIC) BETWEEN ATTACHMENT SHAFTS
- OPERATING ALIGNMENT SHALL NOT EXCEED .30" OF ANGULAR AND 30% OF PARALLEL OFFSET.
- COMPLETE SHAFT ASSEMBLY SHALL BE DYNAMICALLY BALANCED PER STANDARD AGMA SPECIFICATION CLASS III. STATIC UNBALANCE NOT TO EXCEED 6 IN-OZ MAX.
- TOTAL WEIGHT OF SHAFT ASSEMBLY SHALL NOT EXCEED 2500 LBS.
- COUPLING FLANGE BOLTS TO BE SUPPLIED AND LEFT LOOSE, DO NOT TORQUE UNTIL FINAL INSTALLATION - SEE G.E. DMS (LATEX)
- OPERATING LIFE - 16,400 REVOLUTIONS IN 30 YEARS.
- ASSEMBLY SHALL SURVIVE, WITHOUT CATASTROPHIC FAILURE AN OVERSPEED OF 2100 RPM.
- COUPLING AXIAL TRAVEL TO BE $\pm 3/8$ " MIN.
- MARK PART WITH MANUFACTURER'S IDENTIFICATION AND GE4TD381078P1

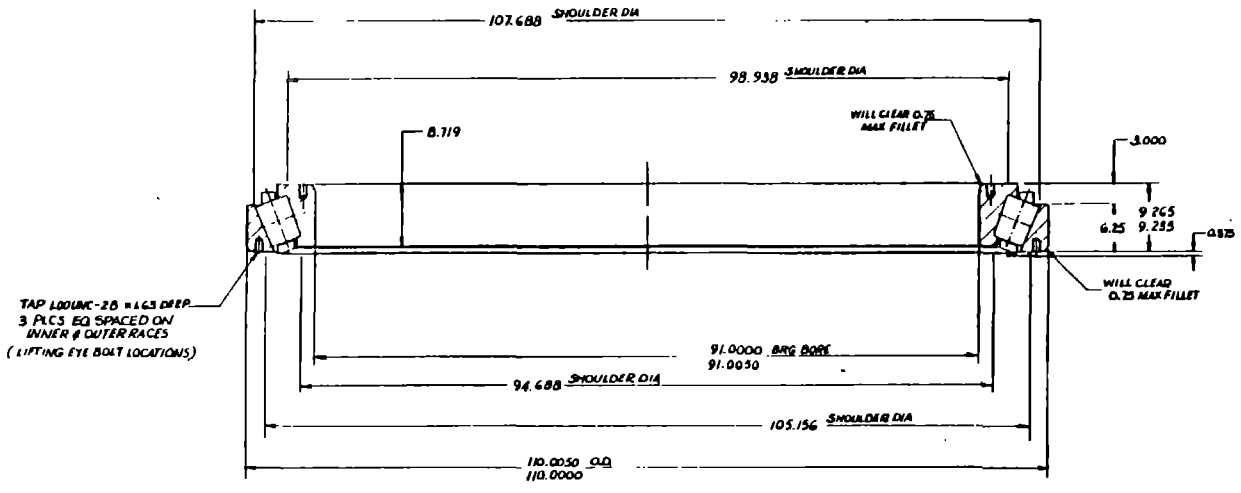
SPECIFICATION CONTROL DRAWING
 THIS DRAWING IS THE PROPERTY OF GENERAL ELECTRIC AND IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF SUPPLY. IT IS TO BE CONSIDERED AS A GUARANTEE OF PERFORMANCE AVAILABLE AS A SOURCE OF SUPPLY FROM THE PLANT.

DATE		REVISED																									
<table border="1"> <tr> <td>QUANTITIES</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> <td>26</td> <td>27</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>				QUANTITIES	17	18	19	20	21	22	23	24	25	26	27												
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FRACTIONS AS NOTED																											
FUNCTIONS AS NOTED																											
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GENERAL ELECTRIC																											
WTC-900																											
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08018ECLP

REVISES		DATE	APPROVED
BY	DATE		

SOURCE OF SUPPLY			
SUPPLY	VENDOR PART NO.	VENDOR	FROM
PI	6-3531-A	TORRINGTON BRG DIV SOUTH BEND IND	60657



- NOTES:**
- FOR DESIGN, FABRICATION & INSPECTION REQTS BEARING MUST CONFORM TO GP SPEC #7A500127 FOR INTERFACE BASSY SEE DRG #7E382441
 - MFG TOL (INCLUDING FLATNESS, CIRCULARITY, CONCENTRICITY, ETC.) UNLESS OTHERWISE NOTED ON DRWG OR SPEC TO BE PER MFR RECOMMENDED PRACTICES FOR LARGE TAPERED ROLLER BRGS
 - PART TO BE MARKED WITH VENDOR'S IDENTIFICATION AND MARKED "GE 47D381080PI" BY TAG.
 - EST BRG WT 6100 LBS
 - DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
 - PERFORMANCE REQMT:
 - RACE ROTATION - ROTATING OUTER RACE
STATIONARY INNER RACE
 - RADIAL LOAD - 1000,000 LBS WITH 2,000,000 LB CYCLIC LOAD VARYING AT 3P THRUST LOAD - 280,000 LBS WITH 400,000 LB CYCLIC LOAD VARYING AT 2P PEAK 850,000 LB (IMPERMISSIBLE TOLERANCE)
 - RADIAL IMPACT - 2000,000 LBS MAX OF 2 SEC DURATION OCCURRING 10,000 TIMES DURING LIFE OF BEARING (THIS IS DUE TO TESTER NUMBER 1 ACTION) TO BE SOTER-IMPACTED ON RADIAL LOAD)
 - ROTATION - 15,322 RPM, 25 RPM
 - REVOLUTIONS - 225 x 10⁶
 - LIFE - 30 YRS

SOURCE CONTROL DRAWING

ONE OF THE ITEMS LISTED ON THIS DRAWING IS THE "SOURCE OF SUPPLY" TABLE ITEM HAVE BEEN TESTED AND APPROVED BY: FOR USE ON: (EXCEPTION: A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY:)

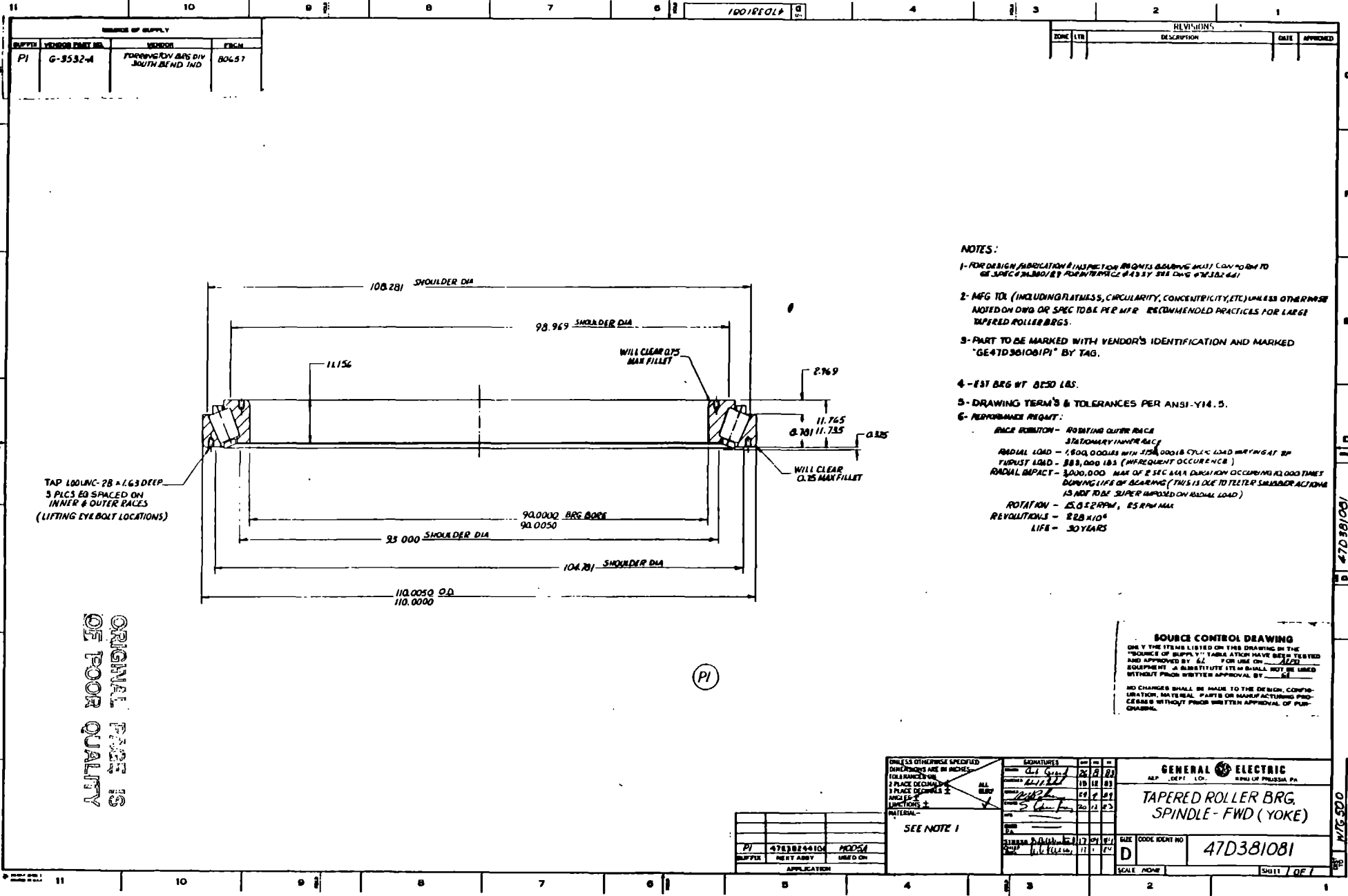
NO CHANGES SHALL BE MADE TO THE DESIGN CONFIGURATION OR MATERIAL PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF DESIGNING

PI

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES UNLESS OTHERWISE SPECIFIED: 2 PLACE DECIMAL 3 PLACE DECIMAL ANGLES & FUNCTIONS MATERIAL	SIGNATURES ALL BRG DATE TIME	GENERAL ELECTRIC MFG. DEPT. LOC. 5000 L.P. PHOENIX, PA.	
		TAPERED ROLLER BRG. SPINDLE - AFT (YOKE)	
SEE NOTE 1	DATE TIME	SIZE D	CODE IDENT NO 47D381080
SUPPLY PI 47E382441G1 MOD51	APPLICATION	SCALE	SHEET 1 OF 1

47D381080

W/G 500



- NOTES:**
- FOR DESIGN FABRICATION & INSPECTION POINTS BEARING MUST CONFORM TO GE SPEC # 28100/1 BY FORM/TRACE # 43 37 308 DWG # 78332 441
 - MFG TOL (INCLUDING FLATNESS, CIRCULARITY, CONCENTRICITY, ETC) UNLESS OTHERWISE NOTED ON DWG OR SPEC TO BE PER MFR RECOMMENDED PRACTICES FOR LARGE TAPERED ROLLER BRGS.
 - PART TO BE MARKED WITH VENDOR'S IDENTIFICATION AND MARKED "GE47D381081PI" BY TAG.
 - EST BRG WT 8530 LBS.
 - DRAWING TERM'S & TOLERANCES PER ANSI-Y14.5.
 - PERFORMANCE REQMT:
 - RACE ROTATION - ROTATING OUTER RACE
STATIONARY INNER RACE
 - RADIAL LOAD - 1800,000 LBS WITH 150,000 LBS CYCLIC LOAD VARYING AT 90°
 - TURBUST LOAD - 880,000 LBS (INFREQUENT OCCURENCE)
 - RADIAL IMPACT - 3,000,000 MAX OF 2 SEC MAX DURATION OCCURRING 10,000 TIMES DURING LIFE OF BEARING (THIS IS DUE TO TEELE SHOCK ACTION) IS NOT TO BE SUPERIMPOSED ON RADIAL LOAD)
 - ROTATION - 25,000 RPM, 25 RPM MAX
 - REVOLUTIONS - 228 x 10⁶
 - LIFE - 30 YEARS

ORIGINAL PART IS OF POOR QUALITY

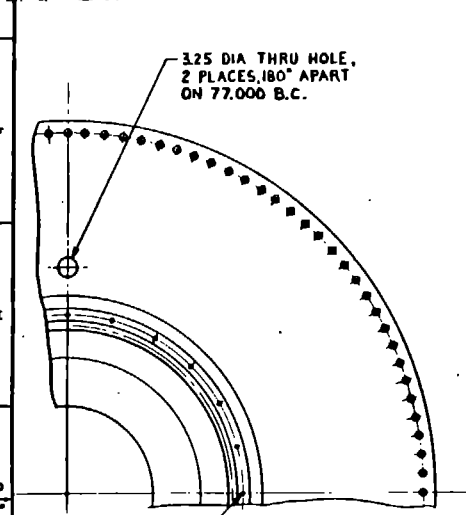
SOURCE CONTROL DRAWING
 ONE OF THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABLE HAVE BEEN TESTED AND APPROVED BY GE FOR USE ON GE EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY GE.
 NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

DIMENSIONS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED: 2 PLACE DECIMALS ± .005 3 PLACE DECIMALS ± .001 ANGULAR DIMENSIONS ± .1° HORIZONTAL -		SIGNATURES DESIGNED BY: [Signature] 20 12 83 DRAWN BY: [Signature] 19 12 83 CHECKED BY: [Signature] 24 1 84 APPROVED BY: [Signature] 20 12 83 DATE: 21 12 83 BY: [Signature] 17 01 84 FOR: [Signature] 11 1 84	GENERAL ELECTRIC WILMINGTON, PA TAPERED ROLLER BRG, SPINDLE - FWD (YOKE) PART NO: 47D381081 SCALE: NONE SHEET 1 OF 1
SUPPLIER: PI VENDOR PART NO: G-3532-4 VENDOR: TAPERED ROLLER BRG DIV SOUTH BEND IND FIG. NO: 80657	APPLICATION: [Blank] PART NO: 47D381081 NEXT ASSY: HOOSI USED ON: [Blank]	SEE NOTE 1	SOURCE OF SUPPLY TABLE PART NO: 47D381081 PART NAME: TAPERED ROLLER BRG, SPINDLE - FWD (YOKE) QUANTITY: 1 UNIT: EACH DATE: 11 1 84 BY: [Signature]

PI 47D381081 1/26 500

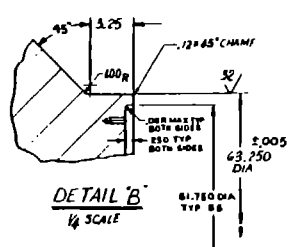
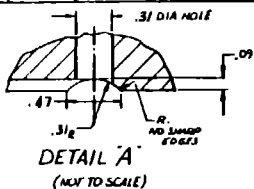
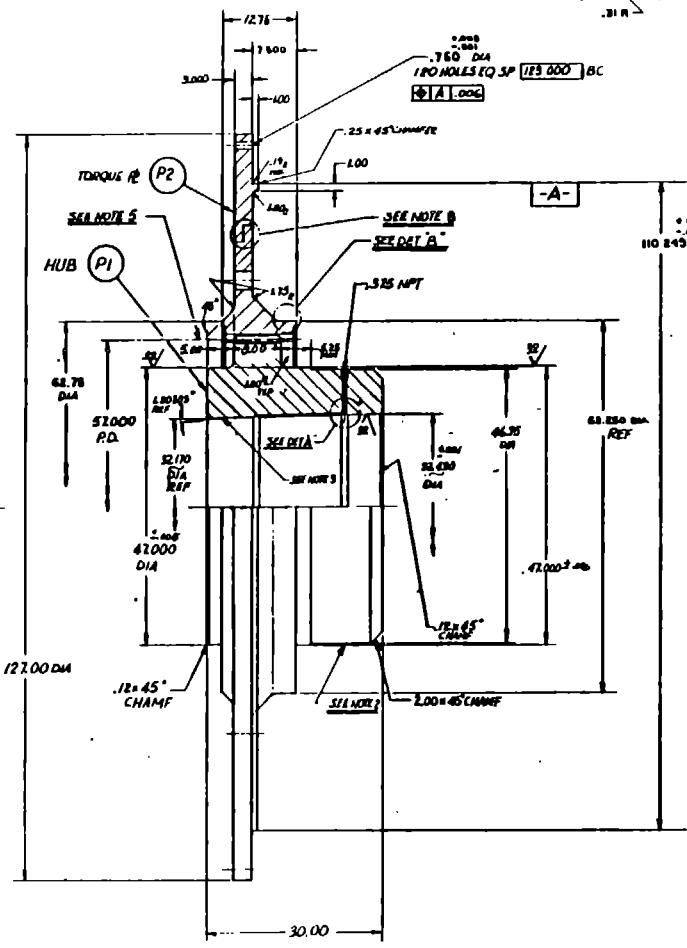
SOURCE OF SUPPLY			
SUPPLIER	VENDOR PART NO.	VENOR	FRGM
P1			
P2			

REVISIONS			
DATE	APPROVED	DESCRIPTION	ISSUED
00			



3.25 DIA THRU HOLE,
2 PLACES, 180° APART
ON 77.000 B.C.

500-13UNC-2B TAP X 1.00 DEEP
24 PLACES EQUALLY SPACED ON
A 59.75 B.C. (TYP BOTH SIDES)
(MAX DRILL DEPTH 1.50)



- NOTES:**
- 1-DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 - 2-MARK "GE 47D381082P" WHERE INDICATED WITH PAINT OF CONTRASTING COLOR.
 - 3-TAPER .042 ± .001 ON DIA PER INCH OF LENGTH, TAPER BLUED TO 80% CONTACT WITH GAUGE, TAPER TO MATCH DRAWING 47D382296 LOW SPEED SHAFT.
 - 4-APPLY COATING TO ALL SURFACES PER G.E. SPEC 47A380048 PARA 4.4.
 - 5-SPLINE TEETH TO BE CUT WITH RESPECT TO TAPER BORE. SPLINE P.C.D. SHALL BE CONCENTRIC TO BORE WITHIN .010 ON DIA. SPLINE TEETH TO BE CROWNED AND HAVE PROPER EFFECTIVE CLEARANCE FOR EXPECTED MISALIGNMENT OF 0°15' NOM. TO 0°22.5' MAX AT ASSEMBLY.
 - 6-SPLINED SHAFTS TO TRANSFER FROM TORQUE SHAFT TO SPLICED SHAFTS TO BE MADE TO SPECS FROM 1.5 GPM TO 21 GPM, WITH THE ALLOWING COMPONENT OF 250% OF NOM. OCCURRING THEREBY OVER A LIFE OF 80 YEARS.
 - 7-MATERIAL:
 - P1-HUB: S₅₀ NITRIDING STEEL (SUCH AS 516, M, Y)
 - SPLINE TEETH ATTACHED TO A SUBSPLINE HARDNESS OF Rc 50MIN CORE HARDNESS 320 BHN MIN.
 - P2-TORQUE FLANGE: AISI 4340
 - INTERNAL SPLINE TEETH NITRIDED TO A SURFACE HARDNESS OF Rc 46 CORE HARDNESS 300 BHN MIN.
 - 8-VENDOR MAY RECOMMEND, AT HIS OPTION TO FABRICATE P2 IN TWO PCS JOINED & APPROX. DIA SHOWN - TORQUE TRANSFER METHOD AT JOINT TO BE APPROVED BY GE.
 - 9-MFR DNG TO BE APPROVED BY GE PRIOR TO FABRICATION
 - 10-OPERATING TEMPERATURE RANGE = -20° TO 175°F AWAHMT
 - 11-EST WTS: P1 - 56.50 LBS
P2 - 10.250 LBS
 - 12-PARTS P1 & P2 TO BE SHIPPED SEPARATELY WITH SPLINED TEETH PROTECTED AGAINST DAMAGE DURING SHIPPING & HANDLING

SOURCE CONTROL DRAWING

ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABLE HAVE BEEN TESTED AND APPROVED BY GE FOR USE ON ALL GE EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY GE.

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PENDING.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - TOLERANCES ON:		SIGNATURES		GENERAL ELECTRIC	
2 PLACE DECIMALS	3 PLACE DECIMALS	DATE	INITIALS	REP. DEPT. LOC.	NAME OF PERSONNEL
± .02	± .002	31	8	05	
ALL ANGLES ± 1/2°	± .000	22	9	03	
FRACTIONS ± 1/16"	± .001	29	10	03	
		31	7	03	
		21	9	03	
		25	10	01	
		21	10	03	
		21	10	03	

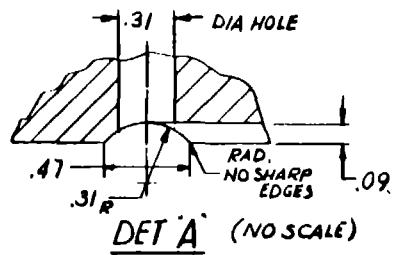
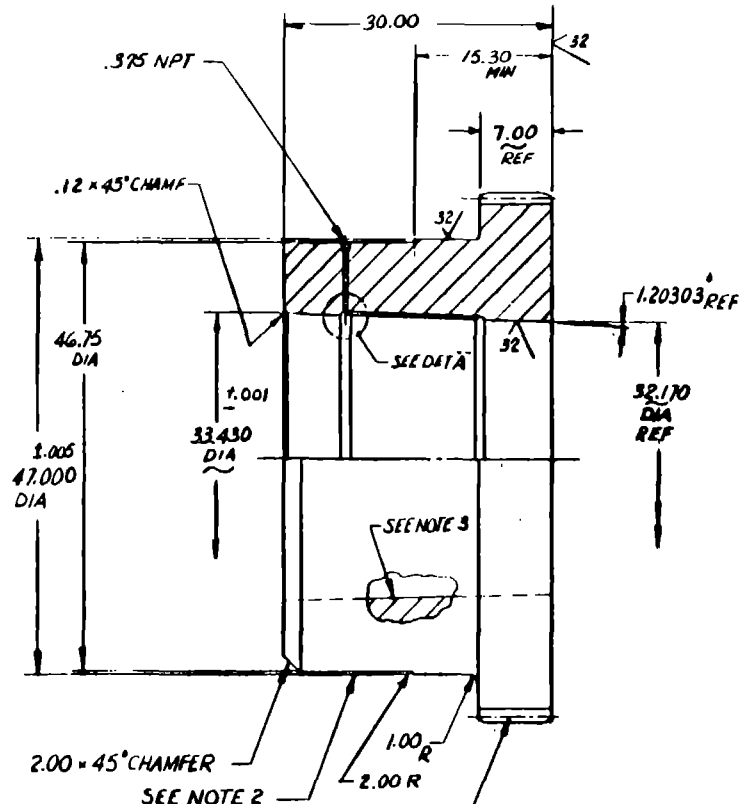
P2	47E882441	MOD 5A
P1	47D381435	MOD 5A
SUPPLIER	WEST ARBY	USED ON

SEE NOTE 7	47D381082
MOD 5A WTG	47D381082
SCALE 1/2"	SHEET 1

D 47D381082 WTG 504

SOURCE OF SUPPLY			
SUFFIX	VENDOR PART NO.	VENDOR	FRGM
PI	Later	Later	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



NOTES:

- DWG TERMS & TOL PER ANSI Y14.5
- MARK GE 47C381083 WHERE INDICATED WITH PAINT OF CONTRASTING COLOR
- TAPER .042^{+0.005}-.0000 ON DIA PER INCH OF LENGTH. TAPER BLUED TO 90% CONTACT WITH GAUGE - TAPER TO MATCH DWG 47D382296 LOW SPEED SHAFT
- APPLY COATING TO ALL SURFACES PER GE SPEC 47A300049 PARA 4.4
- SPLINE - CHARACTERISTICS: (SIDE FITTING)

PITCH - 2.5/3.5	138 TEETH; 7.00 FACE WIDTH
PRESSURE \angle - 20°	PDIA - 55.200

 - TOOTH TO TOOTH SPACING ERROR .0007 INCHES MAX CUMULATIVE ERROR .004 INCH MAX.
 - SPLINE TEETH TO BE CROWNED & HAVE PROPER EFFECTIVE CLEARANCE FOR NOM. & MAX MISALIGNMENT - SEE NOTE 7
 - MAX PROFILE TOLERANCE TO BE .0008 INCHES
- MATL - HUB 2 1/2" NITRIDING STEELS (SUCH AS 31 Cr, M6V1)
 - TEETH TO BE NITRIDED TO A SURFACE HARDNESS OF Rc 54 MIN
 - CORE HARDNESS 320 BHN MIN
- SPLINE TEETH TO BE CUT WITH RESPECT TO TAPER BORE. SPLINE P.C.D. SHALL BE CONCENTRIC TO BORE TO WITHIN .010 ON DIA, EXPECTED MISALIGNMENT AT ASSY. TO BE 0°-45° NOM. TO 0°-22.5° MAX.
- SPLINE COUPLING TO TRANSMIT A NOM. TORQUE OF 3.4 x 10⁶ ± 6.8 x 10⁵ FT. LBS FOR 2.46 x 10⁶ CYCLES AT SPEEDS FROM 12.8 TO 21 RPM WITH THE ALTERNATE COMPONENT OF 80% OF NOM., OCCURRING 21 PER REV OVER A LIFE OF 30 YEARS.
- MFR DWG TO BE APPROVED BY GE PRIOR TO FABRICATION.
- SPLINE ON THIS HUB TO MATE WITH INTERNAL SPLINE SHOWN ON INPUT ADAPTER OF SPEED INCREASER S.E. DWG 47E381046 (BONE 113).
- EST WT: 9200 LBS.
- OPERATING TEMPERATURE RANGE - 50° TO +150° F AMBIENT.
- SPLINED TEETH TO BE PROTECTED AGAINST DAMAGE DURING SHIPPING AND HANDLING.

SOURCE CONTROL DRAWING
 ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULATION HAVE BEEN TESTED AND APPROVED BY GE FOR USE ON AEPD EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY GE.
 NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - TOLERANCES ON 2 PLACE DECIMALS ± .02 ALL SURF 3 PLACE DECIMALS ± .010 ANGLES ± 1° FRACTIONS 1/125 MATERIAL -

PI

PI	47D382435	MOD 5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

SEE NOTE G

SIGNATURES			
DRAWN	CHECKED	ISSUED	DATE
[Signature]	[Signature]	[Signature]	31 8 85
[Signature]	[Signature]	[Signature]	22 9 83
[Signature]	[Signature]	[Signature]	17 10 83
[Signature]	[Signature]	[Signature]	8 4 73
[Signature]	[Signature]	[Signature]	29 9 83
[Signature]	[Signature]	[Signature]	5 10 83
[Signature]	[Signature]	[Signature]	6 10 83
[Signature]	[Signature]	[Signature]	7 10 83

GENERAL ELECTRIC
 AEP DEPT LOC. KING OF PRUSSIA, PA

COUPLING HUB, AFT

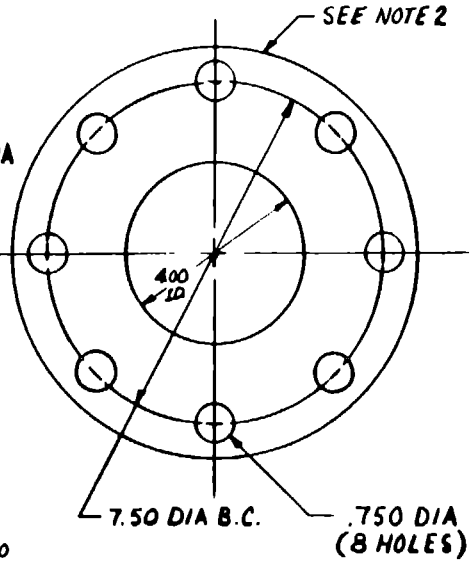
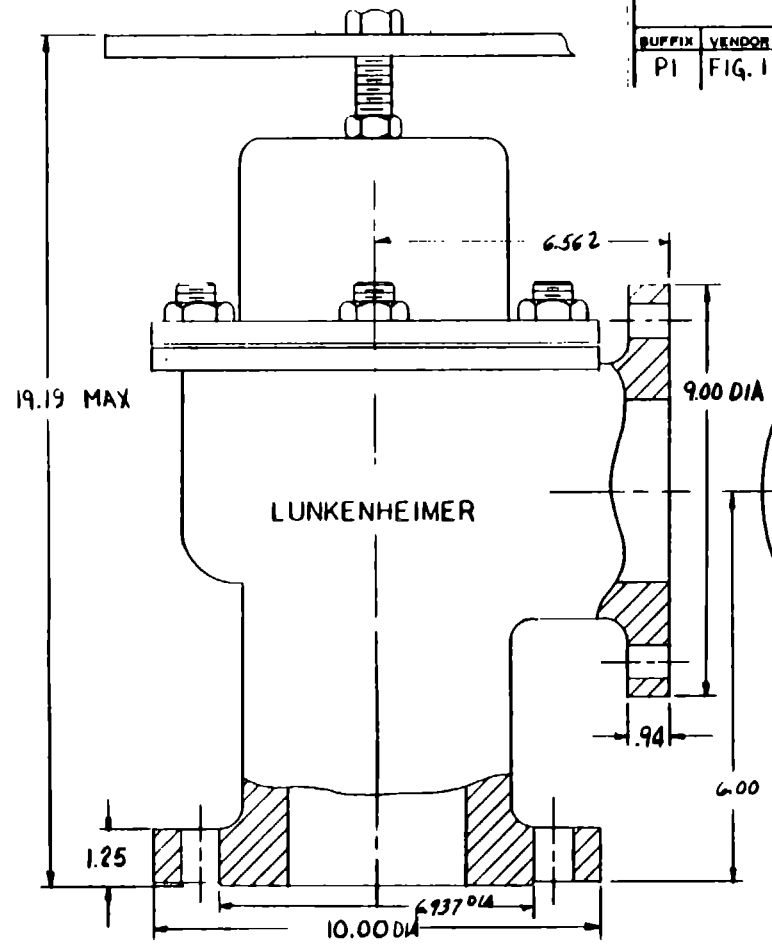
MOD 5A

SIZE	CODE IDENT NO
C	47C381083

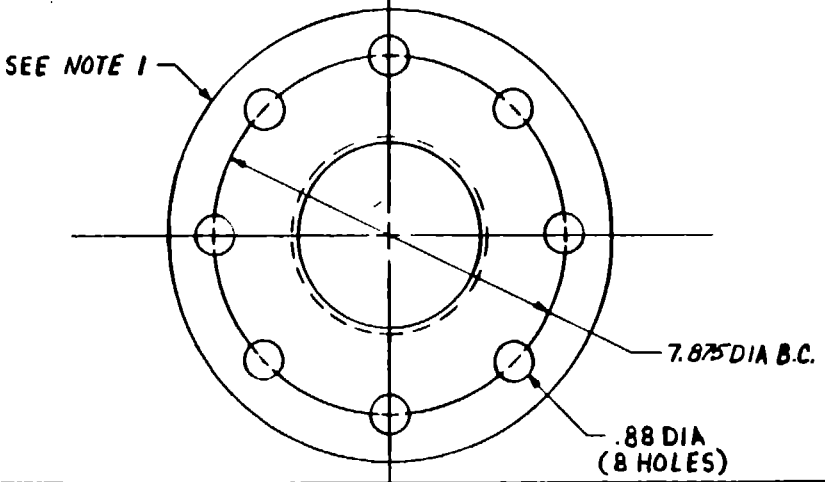
SCALE 1/10 SHEET 1

47C381083 W16.504

SOURCE OF SUPPLY				ZONE	LTR	REVISIONS		DATE	APPROVED
SUFFIX	VENDOR PART NO.	VENDOR	FCRM			DESCRIPTION			
PI	FIG. 1144	LUNKENHEIMER	37239						



- NOTES:
1. INLET FLANGE IS ASA STANDARD B1G6 CLASS 250 LBS CAST IRON STANDARD.
 2. OUTLET FLANGE IS ASA STANDARD B1G.1 CLASS 125 LBS CAST IRON STANDARD.
 3. PRESSURE REQUIREMENTS:
 MAX. WORKING PRESSURE 250 PSI
 PROOF PRESSURE 400 PSI
 SET POINT, ADJUSTABLE 40-150 PSI
 4. TEMPERATURE REQUIREMENTS:
 EXPOSURE - 40 °F TO 200 °F
 OPERATING + 20 °F TO 200 °F
 5. MAX. WEIGHT 130 LBS
 6. MATERIAL: CAST IRON
 SEAT RINGS & DISC. - BRONZE
 SPRINGS - STL. CAD. PLATED



SOURCE CONTROL DRAWING
 ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULATION HAVE BEEN TESTED AND APPROVED BY GE FOR USE ON ALFA EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY GE.

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

SUFFIX	NEXT ASSY	USED ON
PI	47C382579	MOD-5A WTG

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ON	SIGNATURES			DAY	MO	YR
	2 PLACE DECIMALS ±	DESIGNED	DRAWN	CHECKED	28	9	89
3 PLACE DECIMALS ±	ENG'D	APP'D	REV'D	2	5	89
ANGLES ±	ENG'D	APP'D	REV'D	8	5	89
FRACTIONS ±	ENG'D	APP'D	REV'D	10	10	89
MATERIAL—	ENG'D	APP'D	REV'D	4	4	89
	ENG'D	APP'D	REV'D	2	5	89
	ENG'D	APP'D	REV'D	3	5	89

GENERAL ELECTRIC
 AEP - DEPT. LOC. - KING OF PRUSSIA, PA

RELIEF VALVE, 4"
GEARBOX LUBRICATION SYSTEM
MOD-5A WTG

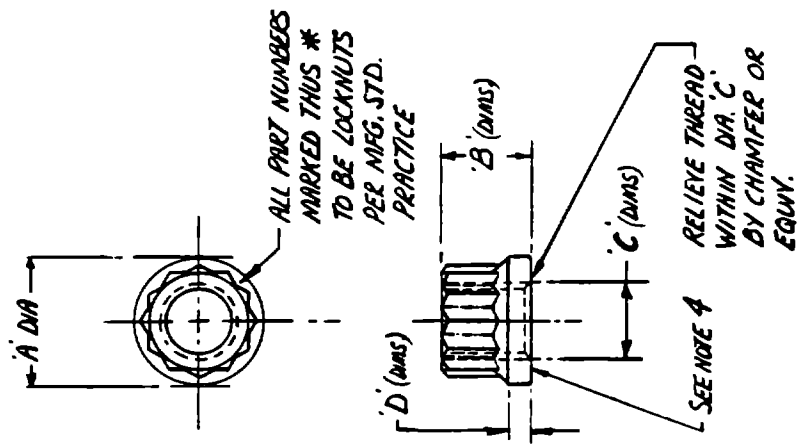
SIZE CODE IDENT NO
C 47C381086

SCALE NONE SHEET 0F

REV C 47C381086 WTG-520

ORIGINAL PART IS OF POOR QUALITY

ZONE	LTR	REVISIONS



GENERAL NOTES

1. DRAWING TERMS AND TOLERANCES PER ANSIS YMS
2. MAT'L. MARK FROM ALLOY STEEL ANSIS 6280, ANSIS 6300, ANSIS 6322, OR EQUIV
3. HEAT TREAT TO ROCKWELL - RC 32-36 MAX
4. THE BEARING SURFACE SHALL BE SQUARE WITH THREAD PITCH DIA. WITHIN 'X' DIM. WHEN MEASURED IN ACCORDANCE WITH MIL-N-25027
5. CUT THREADS IN ACCORDANCE WITH MIL-S-8879
6. MAGNETIC PARTICLE INSPECT 100% PER MIL-I-6868 EXCEPT OMIT IDENTIFICATION ACCEPTANCE CRITERIA.
7. ALL INFORMATION NOT NOTED ON DRAWING SHALL BE PER STANDARD MANUFACTURERS PRACTICES FOR SIZE AND SHAPE OF NUT.
8. FINISH PER GE SPEC 47A980/2/SECT.3.12
9. ALL PARTS TO BE SEPARATED IN SIZE AND BAGGED AND TAGGED WITH GE IDENT NUMBER "ATC381087P - "(AS APPLICABLE) ATTACHED.

SPECIFICATION CONTROL DRAWING
 NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

GENERAL ELECTRIC
 AEP - DEPT. LOC.
 KIND OF PRUSSIA, PA

NUT (TWELVE POINT STRE)
 MDD SA WTS

SIZE CODE IDENT NO: **C**
 SCALE: **None**
 SHEET: **2** OF **2**

SUGGESTED SOURCE OF SUPPLY

SUPPLY VENDOR PT. NO.	VENDOR	FCM
ALL PARTS	SPS CO. JENKINTOWN PA	
ALL PARTS	KAYNAR MFG. CO. FULLERTON, CAL.	

PART NO.	A (MAX)	B	C	D	THREAD SIZE & CLAS	X (MAX)	APPROX. WEIGHT (LBS.)
P1	1.625	1.130	1.046	.265	1.0-12UNF-CL 2B	.012	126.500
P2*	1.625	1.130	1.046	.265	1.0-12UNF-CL 2B	.012	126.500
P5	2.125	1.980	1.296	.319	1.25-12UNF-CL 2B	.014	202.300
P6*	2.125	1.980	1.296	.319	1.25-12UNF-CL 2B	.014	202.300
P9	2.500	1.630	1.546	.374	1.50-12UNF-CL 2B	.016	295.600
P10*	2.500	1.630	1.546	.374	1.50-12UNF-CL 2B	.016	295.600
P13	2.815	1.880	1.800	.428	1.75-8UN-CL 2B	.018	390.000
P14*	2.815	1.880	1.800	.428	1.75-8UN-CL 2B	.018	390.000
P17	3.130	2.130	2.050	.482	2.00-8UN-CL 2B	.020	555.000
P18*	3.130	2.130	2.050	.482	2.00-8UN-CL 2B	.020	555.000
P21	3.400	2.380	2.300	.536	2.25-8UN-CL 2B	.022	673.000
P22*	3.400	2.380	2.300	.536	2.25-8UN-CL 2B	.022	673.000

SIGNATURES	NO	DATE
DANN	10	10/23
FRANK	6	10/24
FRANK	7	10/24
FRANK	6	10/24
FRANK	6	10/24
FRANK	6	10/24

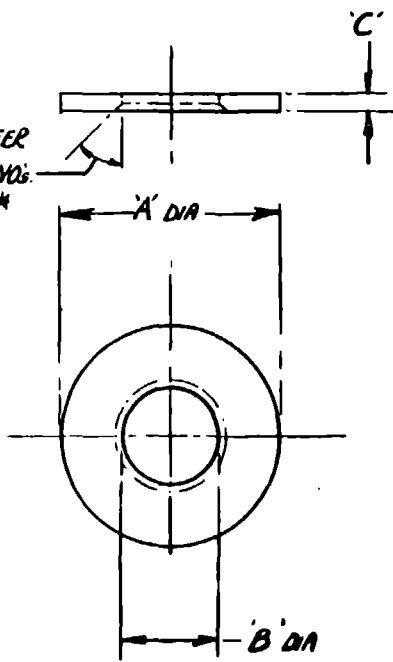
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES -
 2 PLACE DECIMALS ± .01
 ALL SURF ± .005
 3 PLACE DECIMALS ± .001
 ANGLES ± 9° 30' ± .125°
 MATERIAL -
SEE NOTE 2

SUGGESTED SOURCE OF SUPPLY

SUPP. C	VENDOR PT. NO.	VENDOR	FSCM
ALL PARTS			

ZONE		DESCRIPTION	DATE	APPROVAL

.06 x 45° CHAMFER ON ALL PART NOS. MARKED THUS *



GENERAL NOTES

1. DIM. TERMS AND TOLERANCES PER ANSI Y14.5
2. MATL. : CARBON STEEL AISI 1030 OR EQVY.
3. HEAT TREAT TO ROCKWELL Rc - 35 TO 43 (BHN 350 TO 400)
4. ALL WASHERS SHALL BE FREE FROM BURRS, LOOSE SCALE, SHARP EDGES, AND ALL OTHER DEFECTS THAT MIGHT AFFECT SERVICEABILITY.
5. ALL PARTS TO BE SEPARATED IN SIZE AND BAGGED AND TAGGED WITH GE #47C381083P-NUMBER (AS APPLICABLE) ATTACHED.
6. FINISH PER GE SPEC. 47A380121 SECT. 3.12

PART NO.	A DIA	B DIA	C	NOM. BOLT DIA. (REF)
P1	2.50	1.031	0.160	1.0 DIA
P2*	2.50	1.031	0.160	1.0 DIA
P5	3.00	1.281	0.160	1.25 DIA
P6*	3.00	1.281	0.160	1.25 DIA
P9	3.50	1.531	0.250	1.50 DIA
P10*	3.50	1.531	0.250	1.50 DIA
P13	4.00	1.781	0.250	1.75 DIA
P14*	4.00	1.781	0.250	1.75 DIA
P17	4.50	2.031	0.250	2.00 DIA
P18*	4.50	2.031	0.250	2.00 DIA
P21	5.00	2.281	0.250	2.25 DIA
P22*	5.00	2.281	0.250	2.25 DIA

SPECIFICATION CONTROL DRAWING

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-- TOLERANCES ON 2 PLACE DECIMALS ± .02 ALL SURF 3 PLACE DECIMALS ± .010 ANGLES ± 0.30 FRACTIONS ± 1/32 MATERIAL - SEE NOTE 2

SIGNATURES		DAY	MO	YR
DRAWN	<i>[Signature]</i>	3	10	83
CHECKED	<i>[Signature]</i>	5	6	84
ISSUED	<i>[Signature]</i>	7	6	84
ENGR.	<i>[Signature]</i>	6	6	84
TEST	<i>[Signature]</i>	6	6	84
MATERIAL	<i>[Signature]</i>	6	6	84

GENERAL ELECTRIC
AEP DEPT LOC. KING OF PRUSSIA, PA

WASHER - HARDENED STEEL

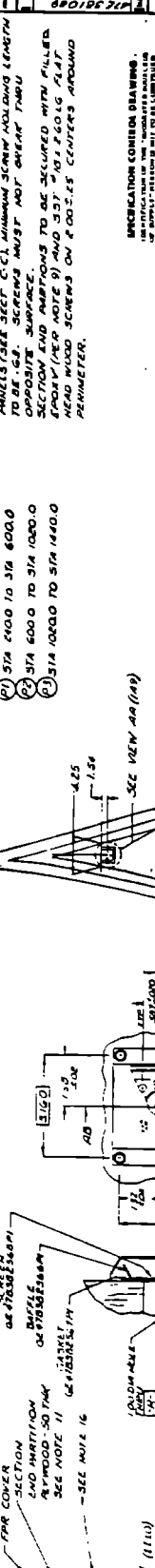
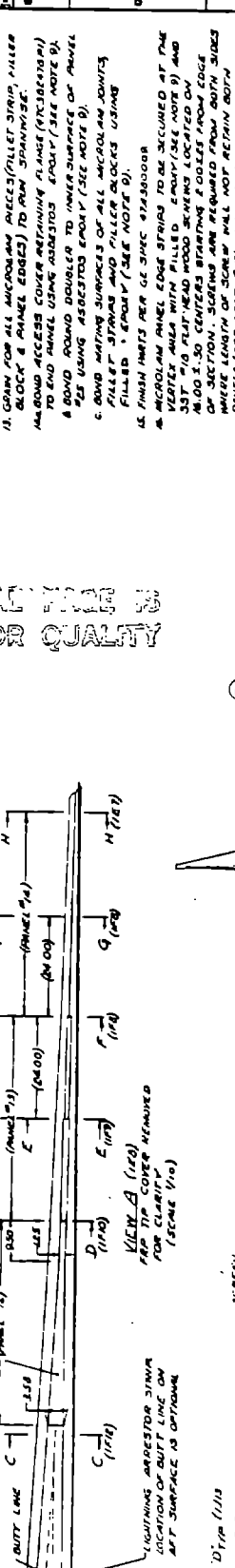
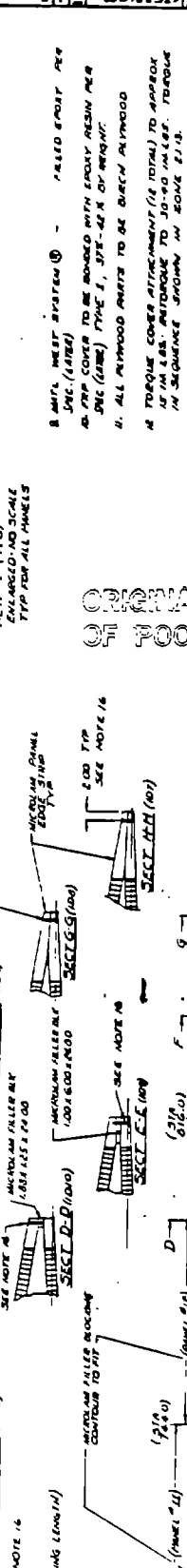
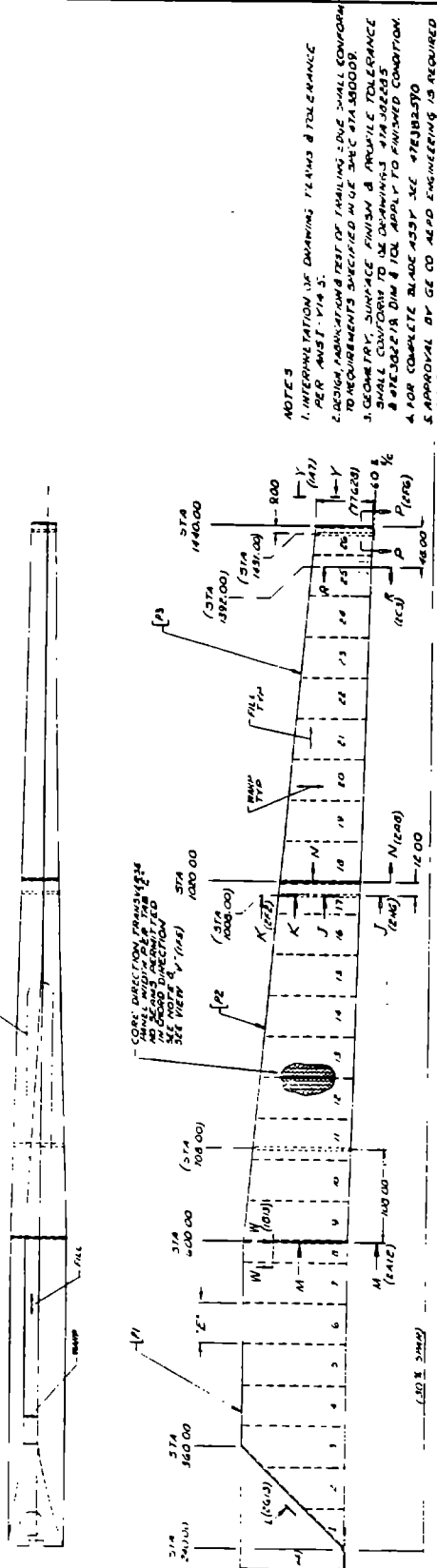
MOD 5A WTQ

SIZE CODE IDENT NO
C 47C381088

SCALE SHEET 1 OF 1

SHEET C 47C381088 REV 1 WTQ 500

NO.	DESCRIPTION	QTY	UNIT
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NOTES

1. INTERPRETATION OF DRAWING TERMS & TOLERANCE PER ANSI Y14.5.
2. DESIGN FABRICATION TEST OF FAILING TENSILE & SHEAR COMPOUND TO REQUIREMENTS SPECIFIED IN GE 304.01A.300009.
3. GEOMETRY, SURFACE FINISH & PARTICLE TOLERANCE SHALL CONFORM TO THE DRAWING'S DIMENSIONS & REQUIREMENTS DIM & TOL APPLY TO FINISHED CONDITION.
4. FOR COMPLETE BLADE MASSY SEE #7EJ302570.
5. APPROVAL BY GE CO ALSO ENGINEERING IS REQUIRED FOR CONSTRUCTION. MANUFACTURING REQUIREMENTS AND/OR TO CONFORMANCE.
6. TOLERANCES FOR LENGTH OF A, H, & J SHALL BE $\pm .00$.
7. FRP COVER MATL TO BE PER SPECIFIED TYPE I OR 2.
8. COME MATL TO BE VERTICAL NONCYCLOM K16040.00E PER JRC (A178) TYPE 2.
9. MATL WEST SYSTEM 1 - FILLED EPOXY PER SPEC (A178).
10. FRP COVER TO BE BONDED WITH EPOXY RESIN PER SPEC (A178) TYPE 1, 317-41R BY WEIGHT.
11. ALL WOOD PARTS TO BE BIRCH ALYWOOD.
12. TO TROUBLE COVER ATTACHMENT (16 INCH) TO APPROX AT 1/8 IN. INTERVAL TO 30-40 IN. TROUBLE IN SEQUENCE SHOWN IN SOME E.I.S.
13. GRAM FOR ALL MICROLAM PANELS (FILLET STRIP, FILLER BLOCK & PANEL EDGES) TO RUN SPANNWISE.
14. BOARD ACCESS COVER RETAINING ALIAS (K16040.00H) TO END PANEL USING ALIAS/STOS EPOXY (SEE NOTE 9).
15. BOARD ROUND DOUBLER TO INNER SURFACE OF PANEL SEE USING ABSORBED EPOXY (SEE NOTE 9).
16. BOARD MATTING SURFACE OF ALL MICROLAM JOINTS FILLET STRIPS AND FILLER BLOCKS USING FILLED EPOXY (SEE NOTE 9).
17. FINISH MATS PER GE SPEC 3163000R.
18. MICROLAM PANEL EDGE STRIPS TO BE SECURED AT THE VERTICAL AREA WITH FILLED EPOXY (SEE NOTE 9) AND 3/32" DIA. SELF-HEAL WOOD SCREWS LOCATED ON 1800-2100 CENTERS STARTING 1000 FROM EDGE OF PANEL. SCREWS TO BE PREDRILLED FROM BOTH SIDES WHERE LENGTH OF SCREW MINIMUM SCREW HOLDING LENGTH TO BE ≥ 1.5 . SCREWS MUST NOT OVERTHREAD OPPOSITE SURFACE.
19. SECTION END DIMENSIONS TO BE SECURED WITH FILLED EPOXY (PER NOTE 9) AND 3/32" DIA. SELF-HEAL WOOD SCREWS ON 200-215 CENTERS AROUND PERIMETER.

ORIGINAL DRAWING OF POOR QUALITY

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NO.	DESCRIPTION	QTY	UNIT
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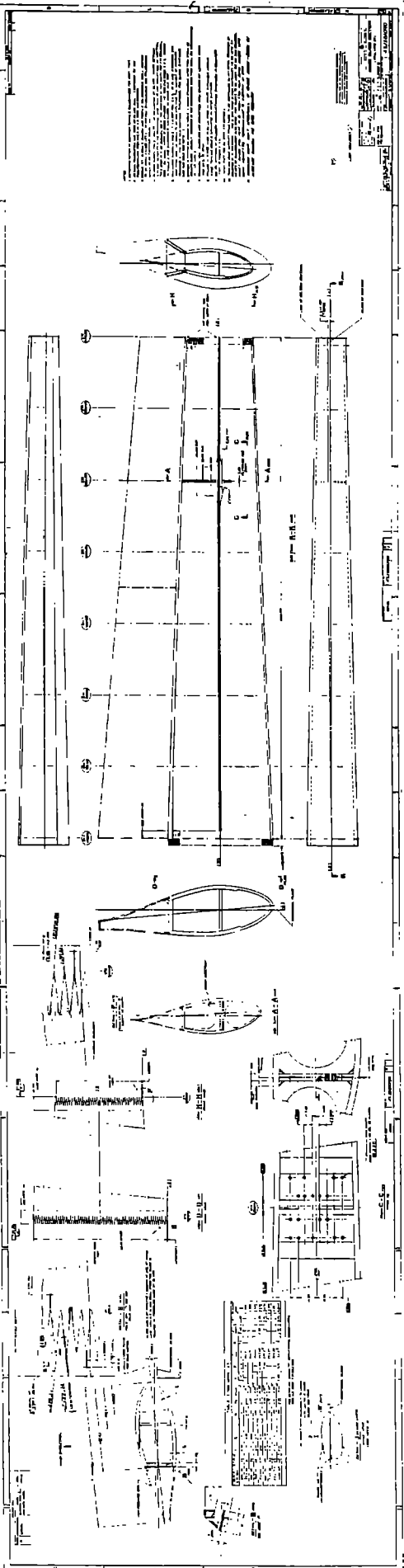
NO.	DESCRIPTION	QTY	UNIT
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NO.	DESCRIPTION	QTY	UNIT
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NO.	DESCRIPTION	QTY	UNIT
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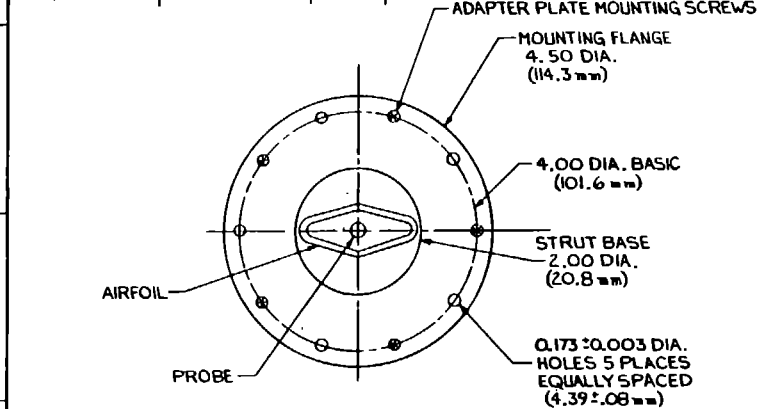
47EJ301089

260183



ORIGINAL PAGE IS OF POOR QUALITY

SOURCE OF SUPPLY			
SUPPLIER	WORK PART NO.	ADDRESS	PRICE
P1	871FA2225PS	ROSEMOUNT INC 12001 WEST 28TH S EDEN PRAIRIE, MINN 55344	04274



ICE DETECTOR OPERATING VOLTAGE 28^{+2.0}_{-5.5} VDC
115⁺⁹₋₁₃ VRMS, 50 TO 450 HZ

VOLTAGE OUTPUT DISCRETE (SENSING MODE): LESS THAN 0.1 VDC
DISCRETE (DETECTING MODE): 27⁺⁰₋₂ VDC OR INPUT VOLTAGE
ANALOG (NO ICE): 1.0 ± 0.5 VDC
ANALOG (AT ICING TRIP POINT): 5.0 ± 0.5 VDC

SENSING MODE MAXIMUM POWER CONSUMPTION 2.5 WATTS DC POWER

DETECTING MODE MAXIMUM POWER CONSUMPTION 7 WATTS DC POWER;
280 WATTS AC POWER

PROBE FREQUENCY (NO ICE) 40,000 ± 35 HZ
DIFFERENCE FREQUENCY (NO ICE) 200 ± 25 HZ
DISCRETE OUTPUT CURRENT CAPABILITY 1.0 AMP RESISTIVE
0.3 AMP INDUCTIVE

OVERALL DIMENSIONS 6.20 IN. (15.75 CM.) HIGH (DOES NOT INCLUDE CONNECTOR)
X3.77 IN. (9.58 CM.) DIAMETER

WEIGHT 24 OZ. (680 G) MAXIMUM

CONNECTOR BENDIX PTO7H-12-10P

MATING CONNECTOR MS3116F12-10S

ALTITUDE TO 70,000 FT. (21,336 M)

HUMIDITY 48 HRS. AT 90 PERCENT RELATIVE HUMIDITY WITH TEMPERATURE CYCLING

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED

ICE DETECTOR CONNECTOR

PIN	FUNCTION
A	28 VDC POWER
B	DC POWER/SIGNAL RETURN
C	CHASSIS GROUND
D	27 VDC SIGNAL OUTPUT
E	ANALOG OUTPUT
F	TEST POINT 1
G	115 VAC POWER
H	AC POWER RETURN
J	TEST POINT 2
K	TEST POINT 3

ACCELERATION 15G'S STEADY ACCELERATION

TEMPERATURE ELECTRONICS: -65° TO +130°F (-54° TO +54°C) OPERATING
-65° TO +185°F (-54° TO +85°C) STORAGE
PROBE/AIRFOIL: 300°F (150°C)
STEADY STATE DURING DE-ICE CYCLE;
350°F (177°C) SHORT DURATION SPIKES

VIBRATION 10G (TO 500 HZ) SINUSOIDAL;
20G EQUIVALENT (50 TO 2,000 HZ SPECTRUM)
RANDOM

SHOCK 20G - 11MS SAWTOOTH
15G - 11MS HALF-SINE

DURATION OF ICE WARNING SIGNAL 60 ± 10 SECONDS

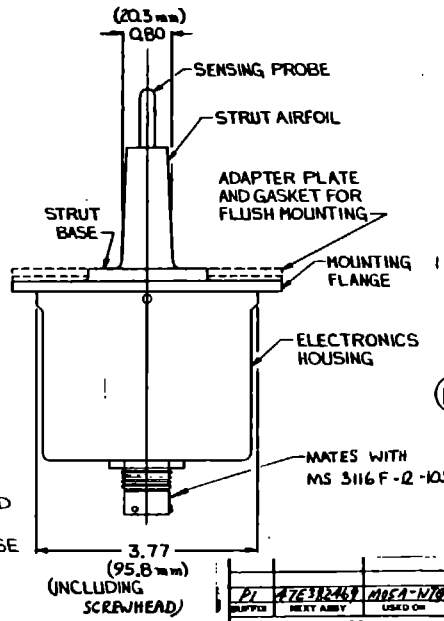
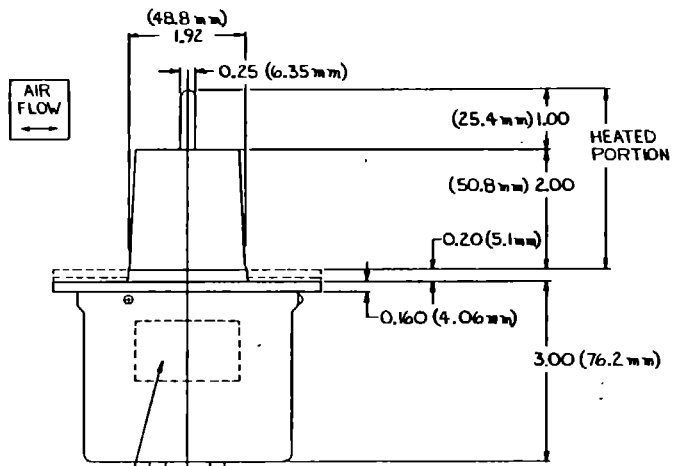
DURATION OF DEICING HEATER OPERATION 5 SECONDS ± 1 SECOND

MATERIALS AND FINISH HOUSING ANODIZED ALUMINUM

STRUT CAST ALUMINUM WITH CONDUCTIVE CHEMICAL FILM COATING

PROBE NI-SPAN C[®] ALLOY, ELECTROLESS NICKEL PLATED

TRIP POINT 0.020 IN. (0.5 MM) ± 25% ICE THICKNESS



NOTES:

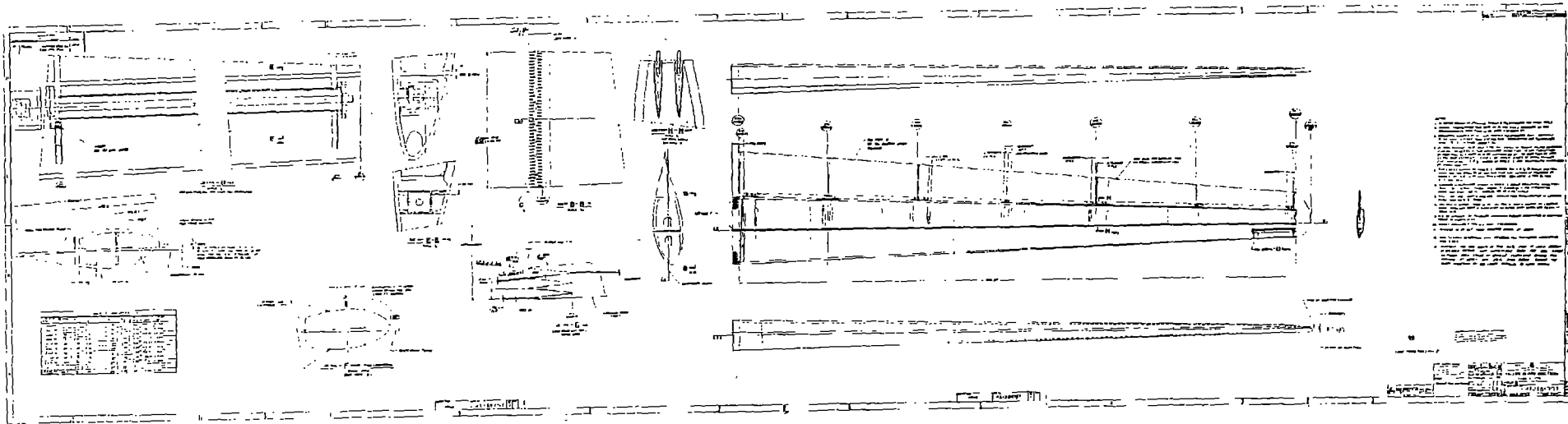
- INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
- MARK "GE-47D381091P1" WITH EPOXY BASE INK .12 INCH HIGH CHARACTERS.

ORIGINAL PAGE IS OF POOR QUALITY

SPECIFICATION CONTROL DRAWING
(IDENTIFICATION OF THE "SOURCE OF SUPPLY")
OF SUPPLY HEREON IS NOT TO BE CONSIDERED
AS A GUARANTEE OF PRESENT AVAILABILITY AS
A SOURCE OF SUPPLY FOR THE ITEM(S)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - TOLERANCES ON ALL SURF 2 PLACE DECIMALS ± .010 3 PLACE DECIMALS ± .005 ANGLES ± .1° FRACTIONS ± .005 MATERIAL -		SIGNATURES DATE 11/10/83 11/5/87 10/5/87 10/1/87 11/5/87	GENERAL ELECTRIC ICE DETECTOR MOD -5A WTG
P1 47D381091 MSEA-N78 SUPPLIER MILITARY USED ON APPLICATION		SIZE CODE PART NO D 47D381091	SCALE FULL SHEET OF

DWG NO. 34 10 1 SE



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OF POOR QUALITY

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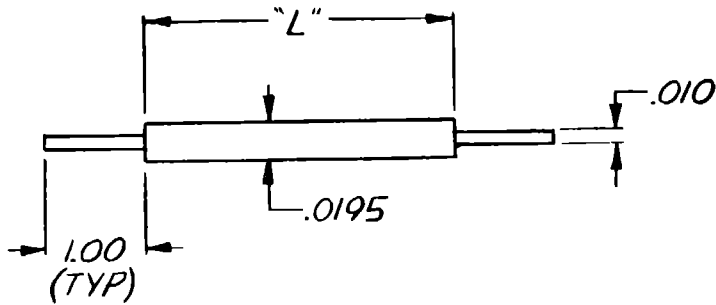
2

SIZE B 478381099 SHEET 1 OF 1

SOURCE OF SUPPLY

SUFFIX	VENDOR PART NO.	VENDOR	FSCM
SEE TABULATION BLOCK		OK MACHINE & TOOL CORP. 3455 CONNER ST. BRONX, N.Y.	08666

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



NOTES:

1. INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
2. MARK 478381099P (PART NUMBER AS APPLICABLE) ON A SUITABLE CONTAINER.

AWG 30 - KYNAR WIRE

G.E. PART NO.	VENDOR PART NO.	"L" LENGTH (INCHES)	COLOR
P1	30B-010	1.00	BLUE
P2	30W-020	2.00	WHITE
P3	30Y-030	3.00	YELLOW
P4	30R-040	4.00	RED
P5	30BLK-050	5.00	BLACK
P6	30B-060	6.00	BLUE
P7	30W-070	7.00	WHITE
P8	30Y-080	8.00	YELLOW
P9	30R-090	9.00	RED
P10	30BLK-100	10.00	BLACK
P11	R30B-100C	ROLL 1000 FT.	BLUE

SOURCE CONTROL DRAWING

ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULATION HAVE BEEN TESTED AND APPROVED BY AEPD FOR USE ON MOD-5A EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY AEPD.

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: FRACTIONS DECIMALS ANGLES ± ± ± ALL SURFACES MATL.	SIGNATURES			DAY	MO	YR	GENERAL ELECTRIC AEP DEPT LOC KING OF PRUSSIA, PA. AWG 30 WIRE, SOLDERLESS WRAPPED CONNECTIONS
	DRAWN: B. Schmitt			7	9	83	
	ISSUED: J. Van D...			3	11	83	
	MFG: J. Van D...			3	11	83	
MATERIALS: G/A			3	11	83	SIZE CODE IDENT NO. 478381099 SCALE <u>NONE</u> SHEET <u>1 OF 1</u>	

5

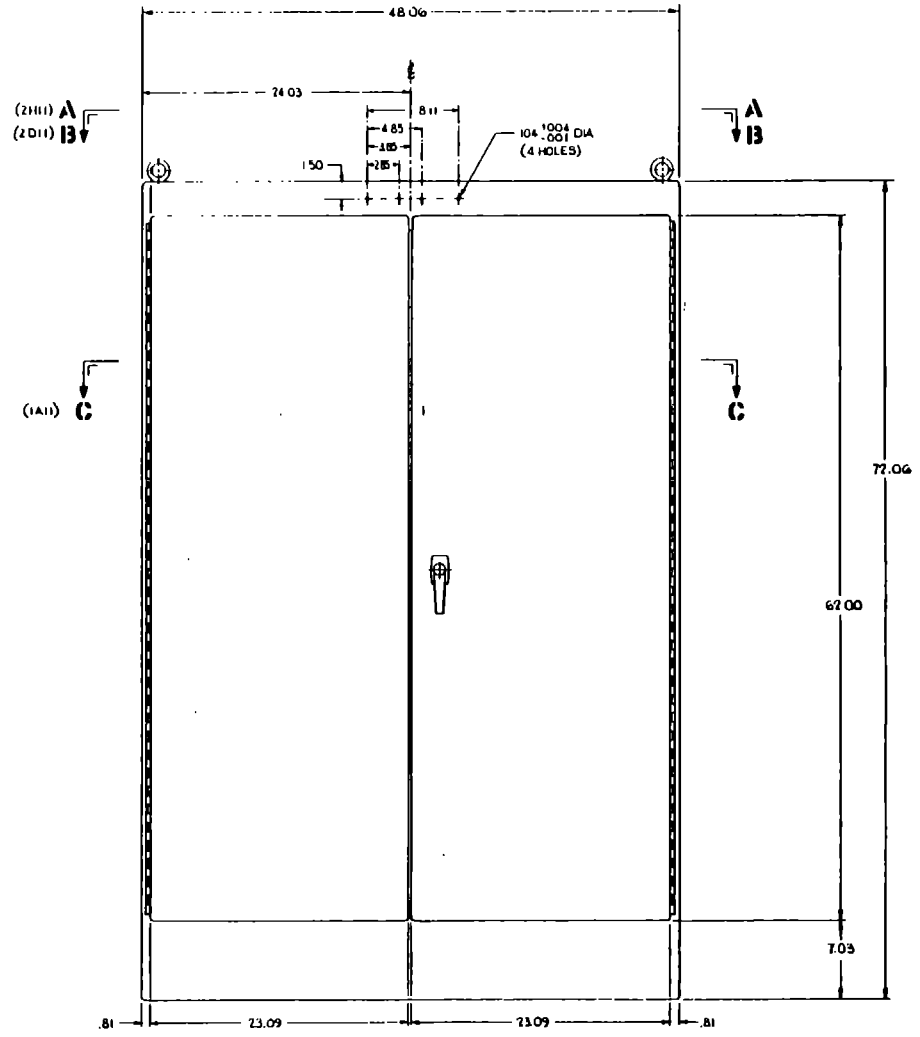
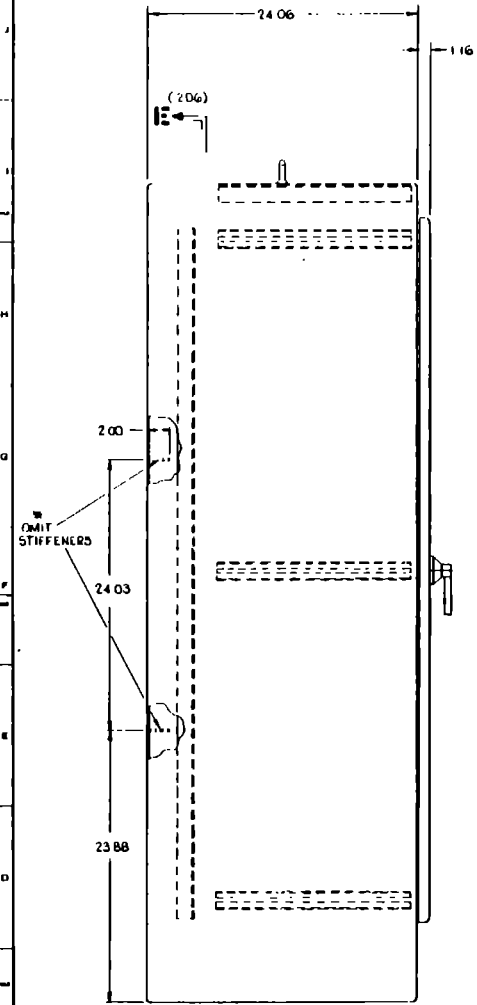
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PRINTED IN U.S.A.

100 WTG 512



- NOTES:
- 1-DRAWING TERMS AND TOLERANCES PER ANSI 14.5.
 - 2-MARK 'GE 47E381100 PI' WITH EPOXY BASE INK OF A CONTRASTING COLOR IN APPROXIMATE LOCATION SHOWN.
 - 3-UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE REFERENCE.
 - 4-ITEMS MARKED WITH AN ASTERISK (*) ARE MODIFICATIONS TO THE STANDARD PART.
 - 5-FINISH:
 - 5.1 INTERIOR: FLAT BLACK, FED STD-595 COLOR NUMBER 37035.
 - 5.2 EXTERIOR: SEMI-GLOSS WHITE, FED STD-595 COLOR NUMBER 27675.

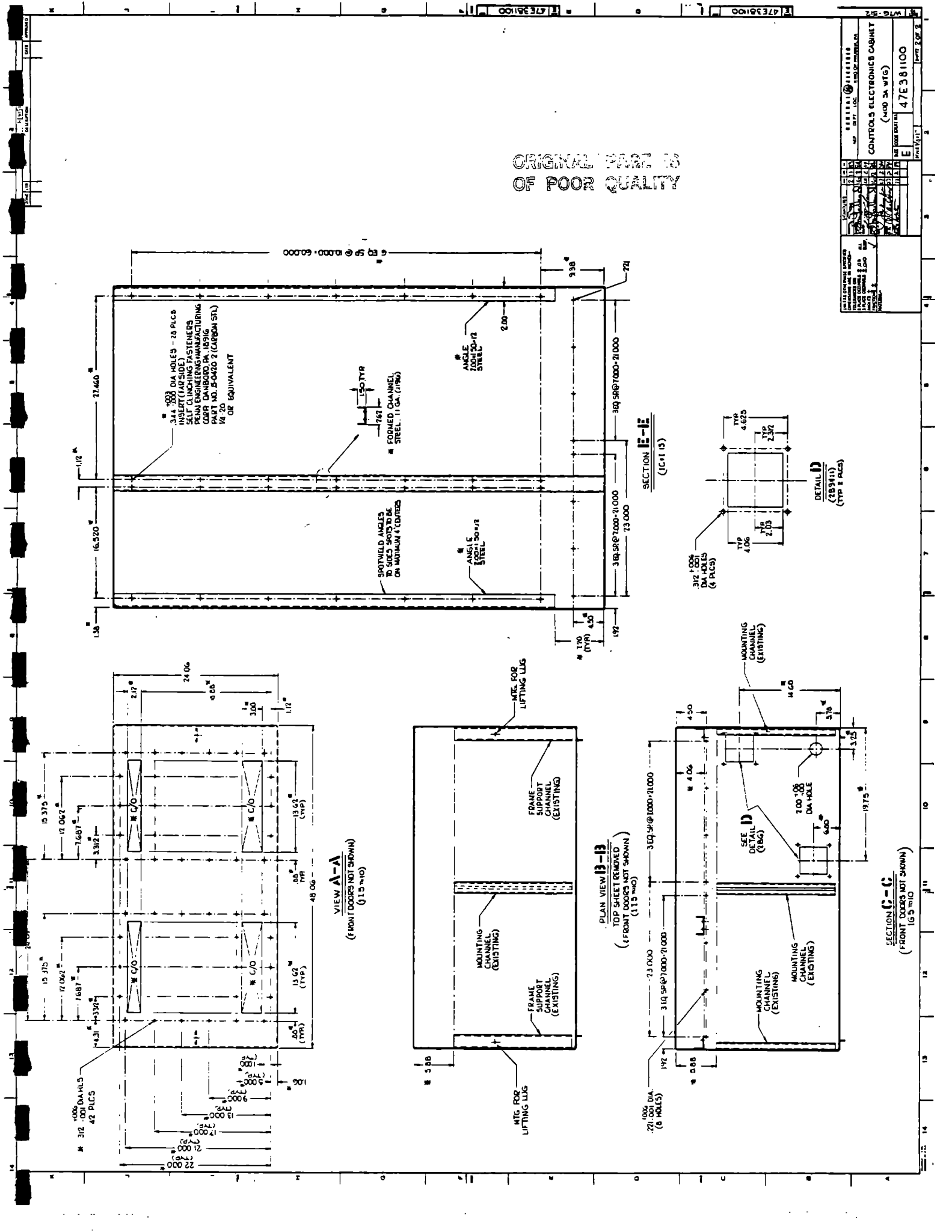
ORIGINAL DATE IS OF POOR QUALITY

(PI) SAME AS PART NUMBER A-724824 F5D AS SUPPLIED BY HOFFMAN ENGINEERING CO. 9TH AND TAYLOR STREET, ANOKA, MINNESOTA. 55303 EXCEPT AS NOTED

ALTERED PART DRAWING
NO CHANGES SHALL BE MADE TO THE DESIGN UNLESS THE DESIGN ENGINEER HAS BEEN ADVISED AND HIS APPROVAL OBTAINED.

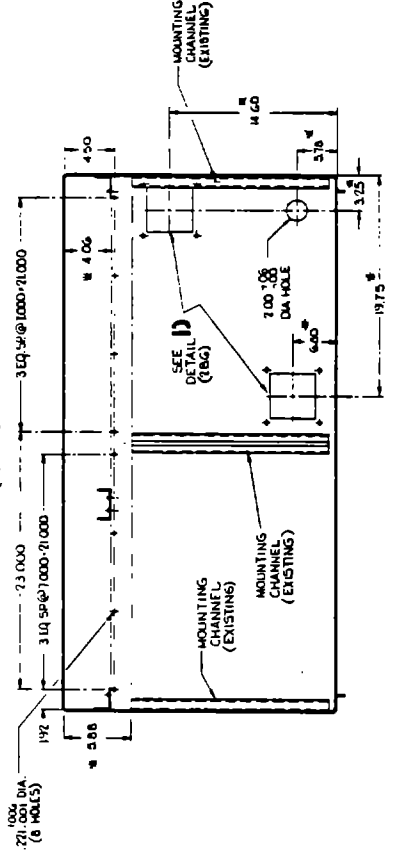
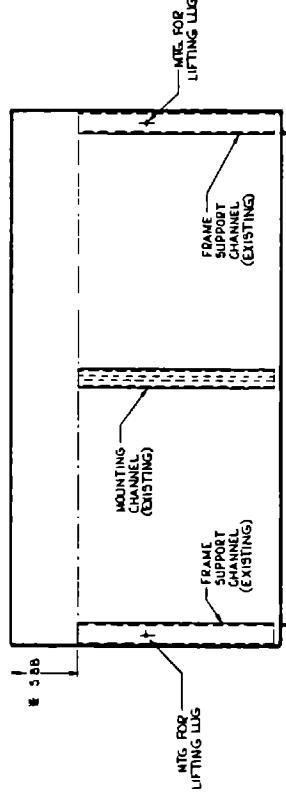
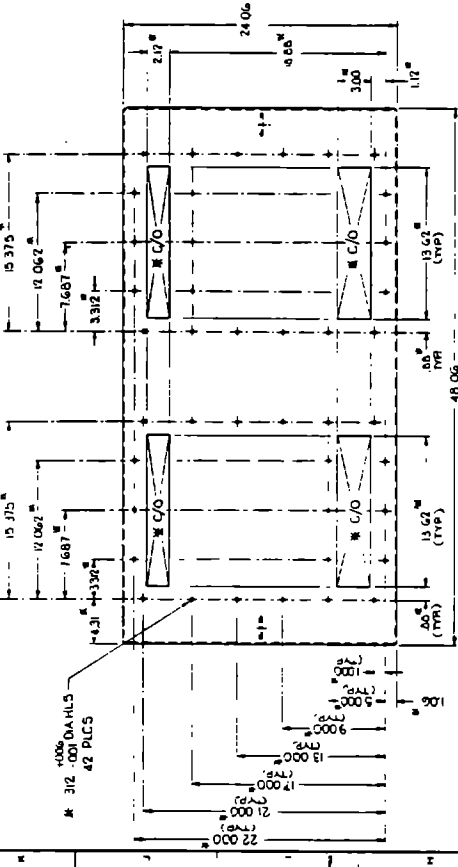
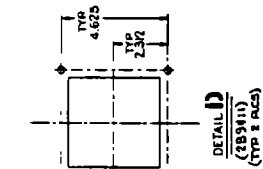
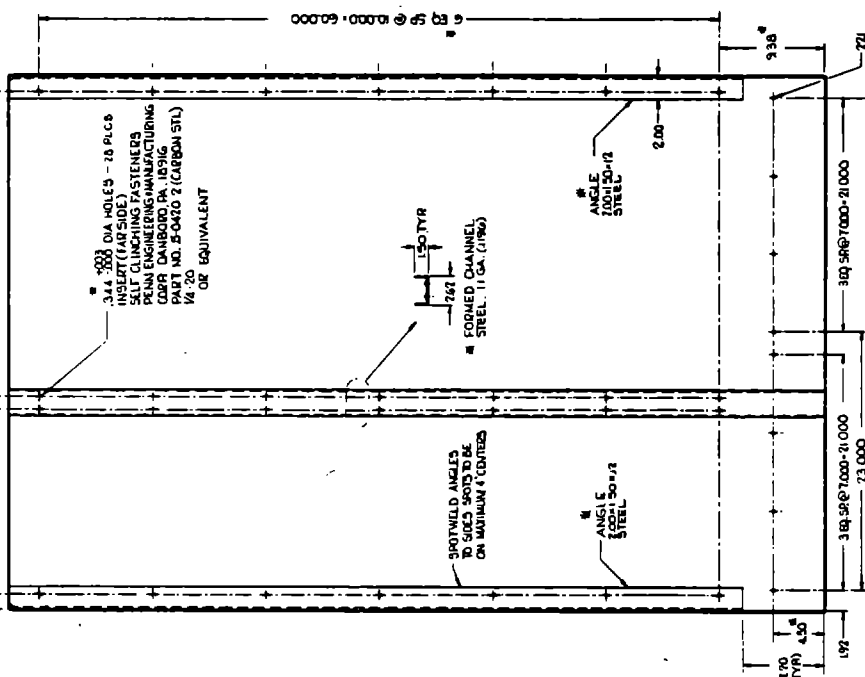
UNLESS OTHERWISE SPECIFIED	DATE	BY	REVISION
1. DIMENSIONS ARE IN INCHES	7/11/53	W. J. H.	1
2. TOLERANCES ARE:			
3. FINISH: SEE SPEC.			
4. MATERIALS: SEE SPEC.			
5. WEIGHT: SEE SPEC.			
6. OTHER: SEE SPEC.			
7. PARTS LIST: SEE SPEC.			
8. DRAWING: SEE SPEC.			
9. CHECKED BY:			
10. APPROVED BY:			
11. DATE:			
12. SCALE:			
13. SHEET:			
14. TOTAL SHEETS:			

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 REP. DEPT. 112 KING OF PRUSSIA, PA.
CONTROLS ELECTRONICS CABINET
 (MOD 5A-WTG)
 DATE REVISION: 7/11/53
 BY: W. J. H.
 SHEET 1 OF 2



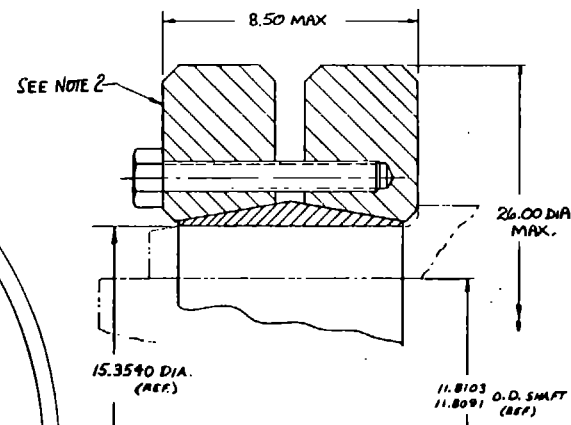
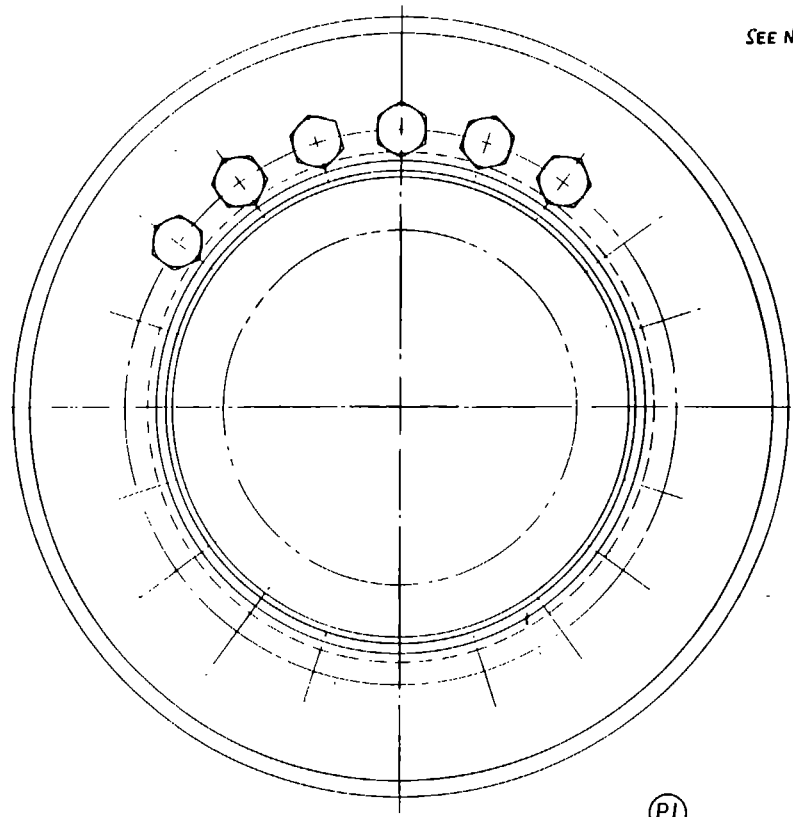
ORIGINAL PART IS
OF POOR QUALITY

DATE	1/15/78	BY	J. L. ...
SCALE	AS SHOWN	CHECKED	J. L. ...
CONTROLS ELECTRONICS CABINET (400 DA WTG) 47E381100			
SHEET 2 OF 2			



SOURCE OF SUPPLY			
SUFFIX	VENDOR PART NO.	VENDOR	FRSH
PI	390-91	RINGFEDER, CORP 185 WOODLAND AVE. WEST WARD, N.J. 08075	-

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



- GENERAL NOTES**
1. MANUFACTURER'S TOLERANCES UNLESS OTHERWISE NOTED ON DWG. OR SPEC. TO BE PER MANUFACTURER'S RECOMMENDED PRACTICES.
 2. MARK PART "GE47D381101" WHERE INDICATED USING RUBBER STAMP OR PAINT.

SOURCE CONTROL DRAWING

ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULATION HAVE BEEN TESTED AND APPROVED BY GE FOR USE ON AE2B EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY GE.

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESS WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

(PI)

SUFFIX	VENDOR PART NO.	VENDOR	FRSH
PI	390-91		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON SEE NOTE 1
PLACE DECIMALS IN
3 PLACE DECIMALS ±
FRACTIONS ±
MATERIAL

SIGNATURES	DATE	NO.	BY
<i>[Signature]</i>	8 11 83	1	
<i>[Signature]</i>	8 8 89	2	
<i>[Signature]</i>	10 7 89	3	
<i>[Signature]</i>	6 9 89	4	

GENERAL ELECTRIC
MFG. DEPT. 100... WIND OF PHOENIX, PA.

SHRINK DISC - RINGFEDER

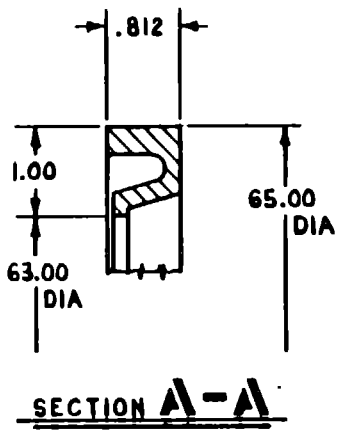
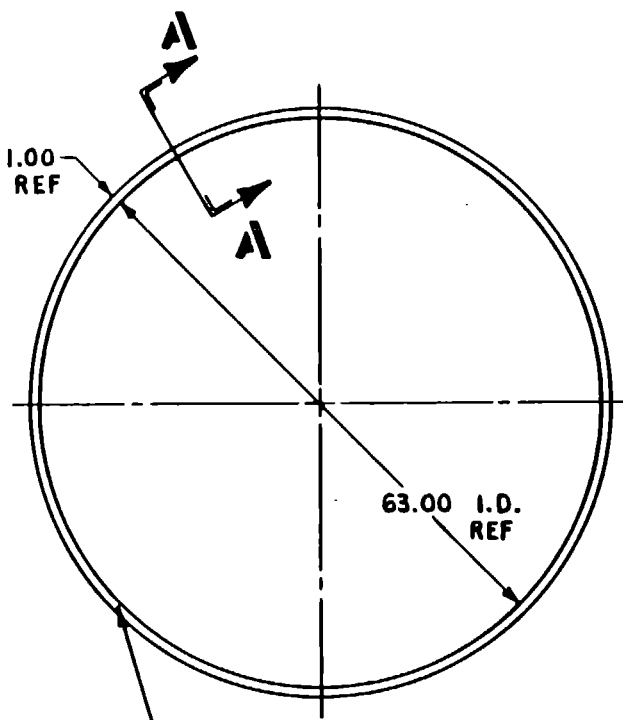
SIZE CODE IDENT NO: **47D381101**

SCALE: 1/2" = 1"

SHEET: 1

SOURCE OF SUPPLY			
SUFFIX	VENDOR PART NO	VENDOR	FSCM
PI	23 X 9588	BARLOCK, MECH PACKING DIV. 1666 DIVISION ST PALMYRA, N.Y. 14888	08668

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 2. PART TO BE MARKED WITH VENDOR'S IDENTIFICATION AND MARK "GE47C381102PI"

(PI)

SOURCE CONTROL DRAWING
 ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULATION HAVE BEEN TESTED AND APPROVED BY G.E. FOR USE ON AIR EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY G.E.

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

SUFFIX	NEXT ASSY	USED ON
PI	471882441	MOD - 5A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES—
 TOLERANCES ON
 2 PLACE DECIMALS ± .005
 3 PLACE DECIMALS ± .001
 ANGLES ± .1°
 FRACTIONS ± .001
 MATERIAL—
BUNA N

SIGNATURES		DAY	MO	YR
DRAWN	<i>[Signature]</i>	14	11	83
CHECKED	<i>[Signature]</i>	20	10	83
ISSUED	<i>[Signature]</i>	7	2	84
ENGR	<i>[Signature]</i>	20	11	81
MTG	<i>[Signature]</i>	7	2	84
MATL	N/A			
STRESS	N/A			
P.A.	<i>[Signature]</i>	7	2	84
EMBRG	N/A			

GENERAL ELECTRIC
 AEP DEPT LOC. KING OF PRUSSIA, PA

ROTOR BRG SEAL FWD

MOD - 5A

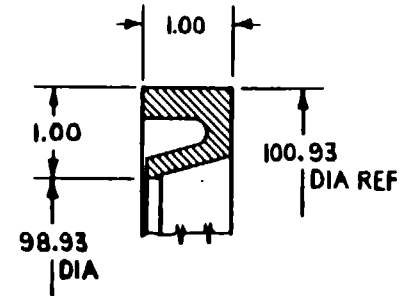
SIZE CODE IDENT NO
C 47C381102

SCALE 1/16 SHEET 1 OF 1

FOLD
 REV
 C 47C381102
 REV
 C
 WTG - 500
 SHEET 1 OF 1

SOURCE OF SUPPLY			
SUFFIX	VENDOR PART NO.	VENDOR	FORM
PI	22	GARLOCK MECHANICAL PACKING DIV 1886 DIVISION ST PALMYRA, N.Y. 14622	03668

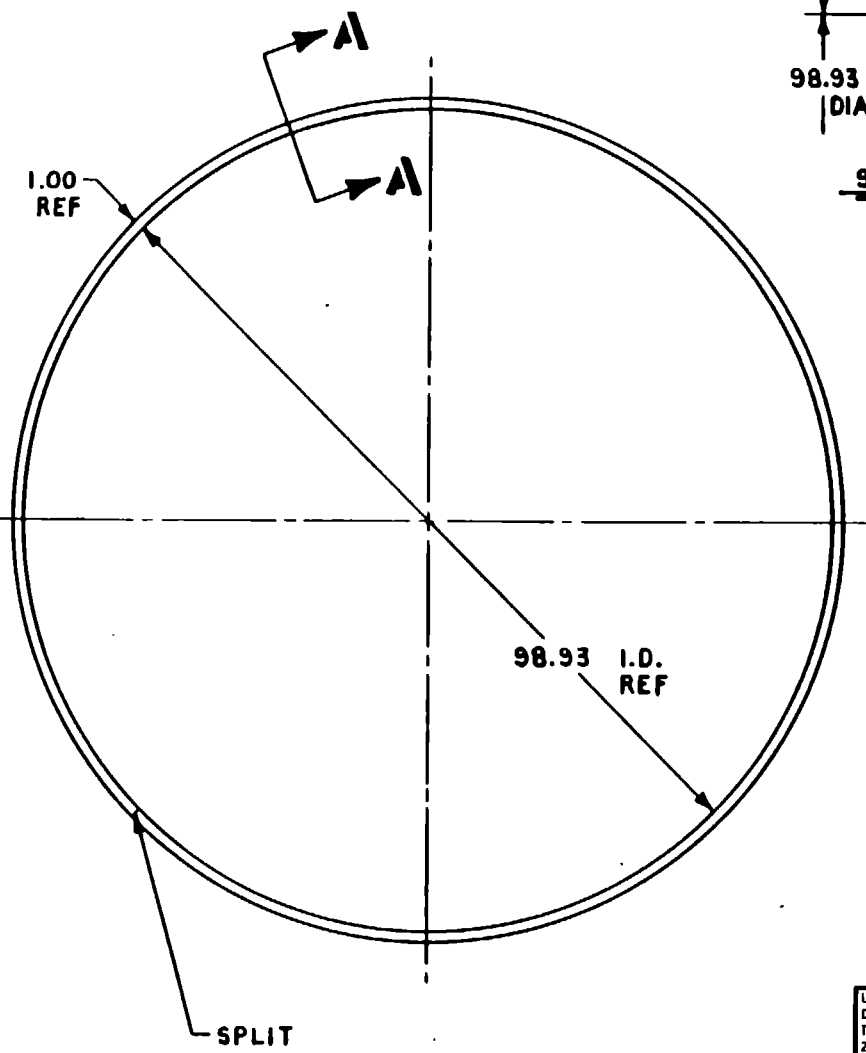
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



SECTION A-A
SCALE: 1/1

NOTES:

1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
2. PART TO BE MARKED WITH VENDOR'S IDENTIFICATION AND MARKED "GE47C381103 PI"



(PI)

SOURCE CONTROL DRAWING
ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULATION HAVE BEEN TESTED AND APPROVED BY FOR USE ON EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY .

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES—
TOLERANCES ON:
2 PLACE DECIMALS ± .005 ALL SURF
3 PLACE DECIMALS ± .001
ANGLES ± .1
FRACTIONS ± .005

SUFFIX	NEXT ABBY	USED ON
PI	47E182441	MOD-5A

BUNA N

SIGNATURES		DATE	NO	BY
DRAWN	<i>[Signature]</i>	17	11	88
CHECKED	<i>[Signature]</i>	08	12	89
ISSUED	<i>[Signature]</i>	7	2	84
ENGR	<i>[Signature]</i>	20	11	87
MGD	<i>[Signature]</i>	7	2	84
MATE	N/A			
SYBES	N/A			
RAA	<i>[Signature]</i>	7	2	84
APP	N/A			

GENERAL ELECTRIC
AEP DEPT LOC. KING OF PRUSSIA, PA

ROTOR BRG SEAL, AFT

MOD - 5A

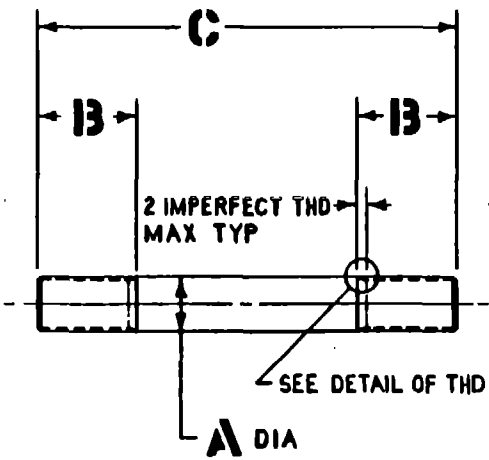
SIZE CODE IDENT NO
C 47C381103

SCALE 1/16 SHEET 1 OF 1

WTG-500
REV
47C381103

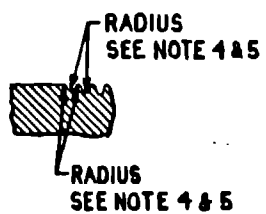
SOURCE OF SUPPLY			
SUFFIX	VENDOR PART NO.	VENDOR	FRGM
ALL PARTS	12	SPS CO JENKINTOWN, PA.	
	20	FERRY CAP & SCREW CO. CLEVELAND, OHIO	
	26	ERIE BOLT CORP. ERIE, PA.	
	28	BETHLEHEM STEEL CORP BETHLEHEM, PA.	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVAL



- NOTES:
- DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 - FINISHED STUDS TO BE BOXED, BAGGED OR TAGGED WITH G.E. IDENT NO. "GE47C381104P" AS APPLICABLE. BOXES OR BAGS TO BE OF A DURABLE NATURE SUITABLE FOR OVERSEAS SHIPMENT. TAGS TO BE METAL, WITH METAL STAMP OR ETCHED NUMBERS.
 - MATERIAL: THESE PARTS MUST COMPLY TO REQUIREMENTS OF G.E. SPEC 47A380121 FOR ALLOY STEEL.
 - THREADS TO BE ROLLED AFTER HEAT TREAT WITH CONTROLLED RADIUS ROOT RUNOUT AT SHANK END OF THREADS.
 - RADIUS AND THREAD CHAMFER TO BE PER STD MANUFACTURER'S PROCESS FOR STUD SIZE.
 - FINISH PER G.E. SPEC 47A380121 SECT. 3.12.

PART NO.	A DIA	B	C	THD SIZE & CL
P1	1.250 ^{+0.008} / _{-0.018}	3.00	10.25	1.25-12UNF-2A
P2	1.250 ^{+0.008} / _{-0.018}	3.00	11.00	1.25-12UNF-2A
P3				
P4				



DETAIL OF THREAD RUNOUT

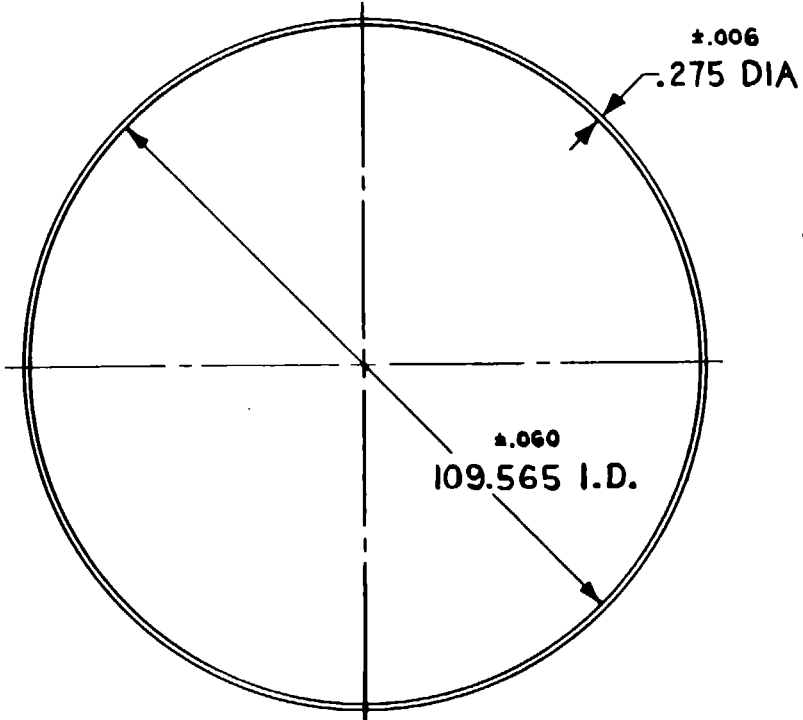
SPECIFICATION CONTROL DRAWING
 NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES—TOLERANCES ON 2-PLACE DECIMALS ±.08 ALL SURF 3-PLACE DECIMALS ±.010 SURF ANGLES ± 1/2° FRACTIONS ± 1/32	SIGNATURES			DAY	MO	YR	GENERAL ELECTRIC AEP DEPT LOC. KING OF PRUSSIA, PA. STUD, FATIGUE RATED MOD-5A
	DRAWN	BY	DATE				
	CHECKED	BY	DATE				
	ISSUED	BY	DATE				
MATERIAL	DATE						SIZE CODE IDENT NO C 47C381104
SEE NOTE 3	DATE						
	DATE						

SIZE B 47B381106 BULKY 1 of 1 REV

SOURCE OF SUPPLY			
SUFFIX	VENDOR PART NO.	VENDOR	FSCM
PI	<i>later</i>	MINOR RUBBER CO., INC 49 ACKERMAN ST BLOOMFIELD, NJ 07003	76385
	<i>later</i>	PARKER SEAL CO. 2360 PALUMBO DR LEXINGTON, KY 40509	17506

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



- NOTES:
- DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 - PART TO BE MARKED WITH VENDOR'S IDENTIFICATION AND MARKED "GE47B381106 PI", BY TAGING.

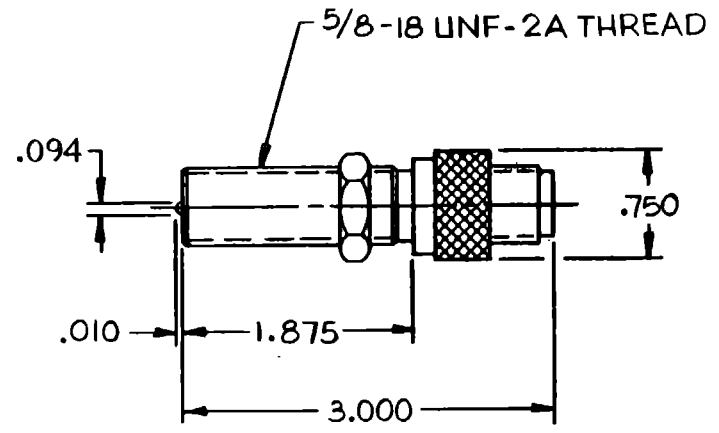
SPECIFICATION CONTROL DRAWING
IDENTIFICATION OF THE "SUGGESTED SOURCE(S) OF SUPPLY" HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

PI	47E382441	MOD-5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: FRACTIONS DECIMALS ANGLES ± ~ ± ~ ± ALL SURFACES MATL.	SIGNATURES			DAY	MO	YR	GENERAL ELECTRIC DEPT LOC "O" RING SEAL, AFT MOD-5A CODE IDENT NO. 47B381106 SCALE 1/20 SHEET 1 OF 1
	DRAWN <i>[Signature]</i>			16	11	83	
	CHECKED <i>[Signature]</i>			20	12	83	
	ISSUED <i>[Signature]</i>			7	2	84	
	ENGRG <i>[Signature]</i>			20	11	83	
	MFG <i>[Signature]</i>			7	2	84	
	MATLS <i>[Signature]</i>						
	STRESS <i>[Signature]</i>						
	P.A. <i>[Signature]</i>			7	2	84	
	CHIEF EAB <i>[Signature]</i>						

SOURCE OF SUPPLY			
SUFFIX	VENDOR PART NO.	VENDOR	FSCM
PI	58421	ELECTRO CORP SARASOTA, FL	81692

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



NOTES:

- DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
- PART TO BE MARKED WITH VENDOR'S IDENTIFICATION NO. AND "GE47B-381108PI".

SOURCE CONTROL DRAWING

ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULATION HAVE BEEN TESTED AND APPROVED BY AEDP FOR USE ON MOD-5A EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY AEDP.

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

(PI)

PI	470382498	MOD-5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES OR: FRACTIONS DECIMALS ANGLES ± ~ ± ~ ±			
SIGNATURES			
DRAWN	M. Sullivan	25	11 83
CHECKED	<i>[Signature]</i>	18	1 84
ISSUED	<i>[Signature]</i>	8	3 84
ENGR	<i>[Signature]</i>	28	2 84
MFG	<i>[Signature]</i>	7	5 84
STRESS	N/A		
ENGR	<i>[Signature]</i>	25	1 84

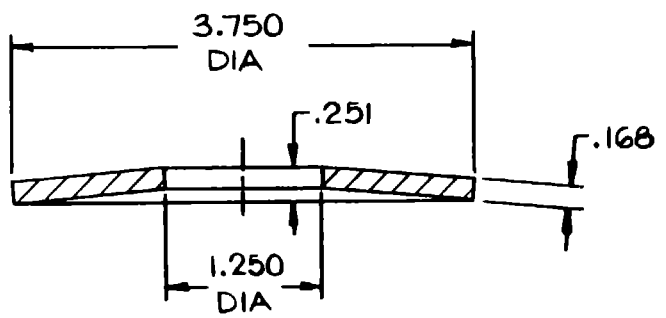
GENERAL ELECTRIC	
DEPT	LOC
SENSOR, ROTOR SPEED	
MOD-5A	
SIZE	CODE IDENT NO.
B	47B381108
SCALE FULL	SHEET 1 OF 1

SOURCE OF SUPPLY

SUFFIX	VENDOR PART NO.	VENDOR	FSCM
PI	B3750-168	ASSOCIATED SPRING 18 MAIN ST, BRISTOL, CONN 06010	92830

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED



NOTES:

1. DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
2. MATERIAL: SPRING STEEL, C1075, PER ASTM-A684.
3. PARTS TO BE BOXED OR BAGGED AND TAGGED WITH VENDOR'S IDENT. NO. AND G.E. NO. "GE47B381109PI".

SPECIFICATION CONTROL DRAWING

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

(PI)

SUFFIX	NEXT ASSY	USED ON
PI	47E382441G1	MOD-5A
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:
 FRACTIONS DECIMALS ANGLES
 ± ~ ± ~ ± ~
 ALL SURFACES ✓
 MATL.
 SEE NOTE 2

SIGNATURES		DAY	MO	YR
DRAWN	C.M. Sullivan	12	12	83
CHECKED	ALV. [Signature]	19	12	83
ISSUED	[Signature]	7	2	84
ENGRD	[Signature]	20	2	83
MFG	[Signature]	7	2	84
	G.D. [Signature]	7	2	84
STRESS	M.A.			
CHIEF	[Signature]	12	1	84

GENERAL ELECTRIC
 DEPT LOC

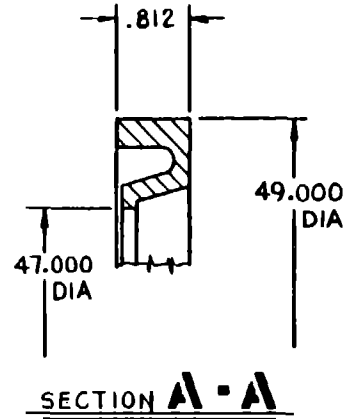
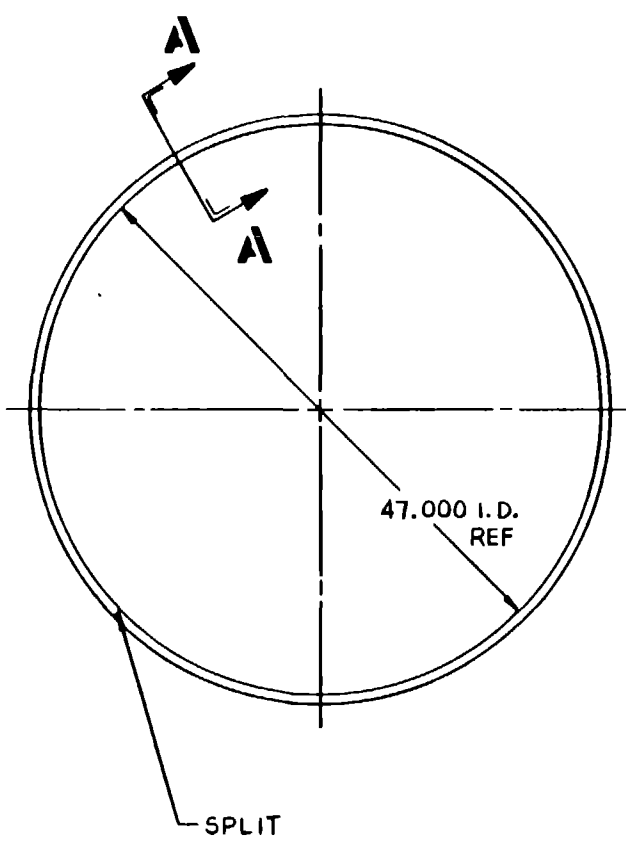
WASHER,
 BELLEVILLE SPRING
 MOD-5A

SIZE CODE IDENT NO.
B 47B381109

SCALE FULL SHEET 1 OF 1

SOURCE OF SUPPLY			
SUFFIX	VENDOR PART NO.	VENDOR	FSCM
PI	23 X 5744	GARLOCK, MECH PACKING DIV. 1806 DIVISION ST. PALMYRA, N.Y. 14522	03668

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 2. PART TO BE MARKED WITH VENDOR'S IDENTIFICATION AND MARK "GE47C381110PI"

ORIGINAL PART IS OF POOR QUALITY

(PI)

SOURCE CONTROL DRAWING
 ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULATION HAVE BEEN TESTED AND APPROVED BY G.E. FOR USE ON AEPD EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY G.E.
 NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

SUFFIX	NEXT ASSY	USED ON
PI	32	MOD-5A
APPLICATION		

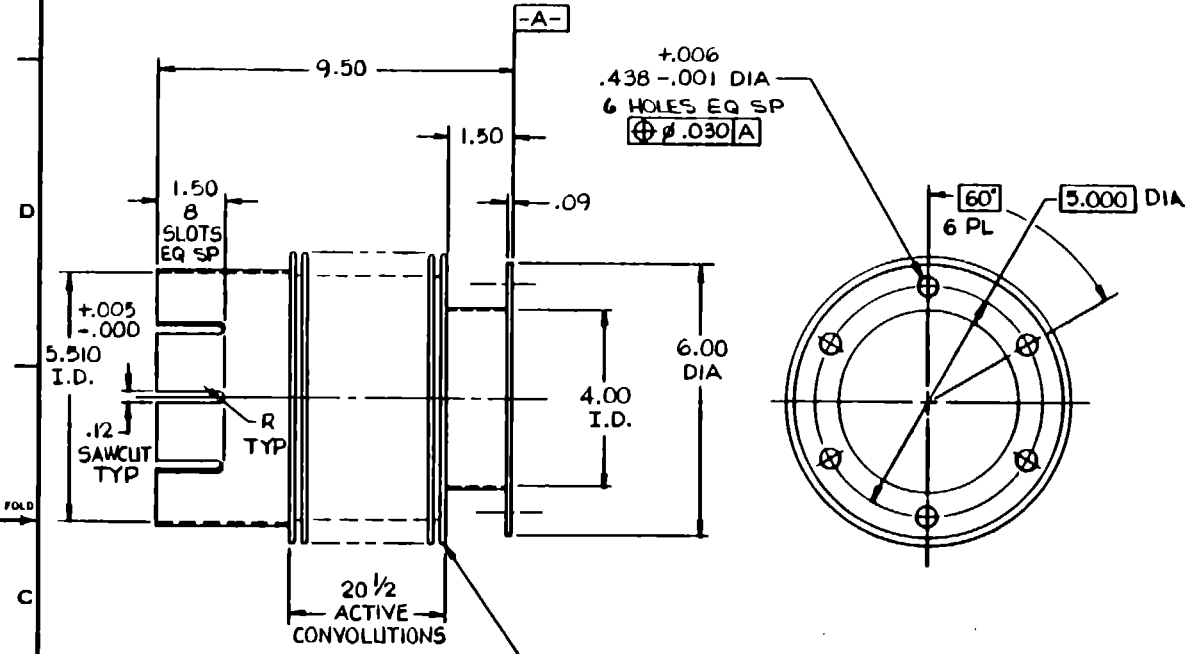
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES—			
TOLERANCES ON			
2 PLACE DECIMALS ±	~	ALL SURF	✓
3 PLACE DECIMALS ±	~		
ANGLES ±	~		
FRACTIONS ±	~		
MATERIAL—			
BUNA N			
SIGNATURES		DATE	NO
DRW	<i>E.M. Sullivan</i>	28	11 83
CHECKED	<i>W.J. Huber</i>	18	1 84
ISSUED	<i>[Signature]</i>	8	5 84
ENGR	<i>[Signature]</i>	24	1 84
MFG	<i>[Signature]</i>	7	3 84
	<i>[Signature]</i>	7	3 84

GENERAL ELECTRIC	
AEP DEPT LOC. KING OF PRUSSIA, PA	
SEAL, FWD COUPLING	
MOD -5A	
SIZE	CODE IDENT NO
C	47C381110
SCALE 1/10	SHEET 1 OF 1

REV C 47C381110 WTG - 504 DIST TO

SOURCE OF SUPPLY			
SUFFIX	VENDOR PART NO.	VENDOR	FCRM
PI	L524	FLEXONICS DIV 300 E. DEVON AVE BARTLETT, IL 60103	96142

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVAL



- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5
 2. REMOVE ALL BURRS AND SHARP EDGES.
 3. MARK PART WITH VENDOR PART NO. AND GE PART NO. "GE47C381111PI".

BELLOWS:
 O.D. 6 3/8
 I.D. 5 3/8
 WALL .020
 PITCH .270
 ANGULAR MISALIGNMENT 1" MIN
 AXIAL MISALIGNMENT .06 MIN

SPECIFICATION CONTROL DRAWING
 IDENTIFICATION OF THE "SUGGESTED SOURCE(S)
 OF SUPPLY" HEREON IS NOT TO BE CONSTRUED
 AS A GUARANTEE OF PRESENT AVAILABILITY AS
 A SOURCE OF SUPPLY FOR THE ITEM(S).

PI

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES—
 TOLERANCES ON
 2 PLACE DECIMALS ± .03 ALL SURF
 3 PLACE DECIMALS ± .010 125
 ANGLES ± 1/2°
 FRACTIONS ± 1/32
 MATERIAL—
**STAINLESS STEEL
 TYPE 321**

SUFFIX	NEXT ASSY	USED ON	APPLICATION
PI	47E382644	NACELLE	

SIGNATURES			
DATE	NO	BY	
12 12 83			
6 2 84			
8 5 84			
8 2 84			
3 5 84			
26 4 84			

GENERAL ELECTRIC
 AEP DEPT LOC. KING OF PRUSSIA, PA

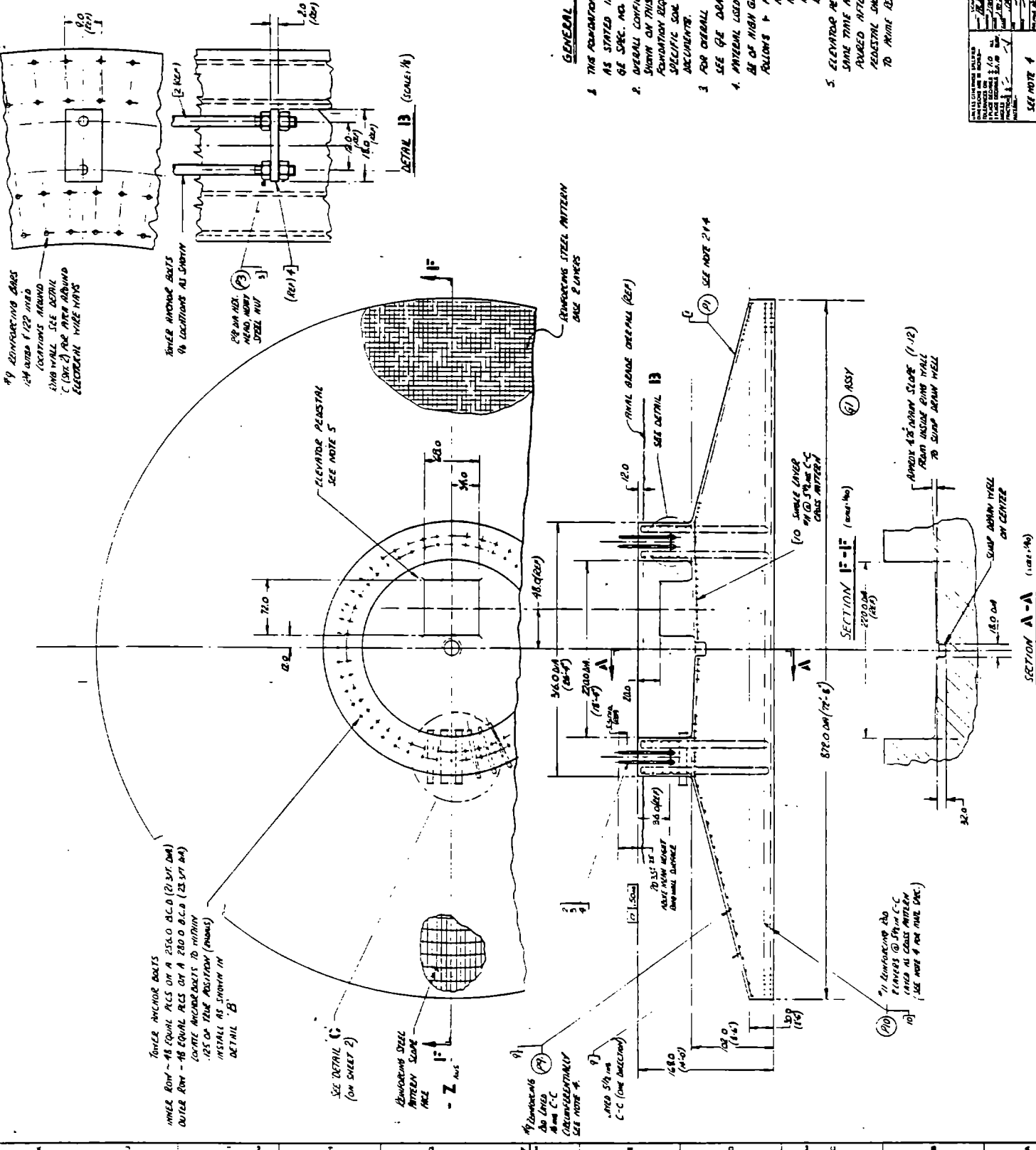
COUPLING, BELLOWS
 MOD-5A

SIZE CODE IDENT NO
47C381111

SCALE V2 SHEET 1 OF 1

REV C 47C381111 WTG-504 DIST TO

ORIGINAL PART NO. OF FOOT QUALITY



REINFORCING BARS
#4 @ 200 ON CENTER
LOCATIONS AROUND
RING WALL SEE DETAIL
C (SEE 2) FOR AREA AROUND
ELEVATOR WIRE TRAYS

INNER ANCHOR BOLTS
1/2" LOCATIONS AS SHOWN

REINFORCING STEEL ANCHORS
#4 @ 200 ON CENTER
SEE DETAIL B

ELEVATOR PENETRAL
SEE NOTE 5

REINFORCING STEEL ANCHORS
#4 @ 200 ON CENTER

REINFORCING STEEL ANCHORS
#4 @ 200 ON CENTER
SEE DETAIL B

REINFORCING STEEL ANCHORS
#4 @ 200 ON CENTER
SEE DETAIL B

REINFORCING STEEL ANCHORS
#4 @ 200 ON CENTER
SEE DETAIL B

REINFORCING STEEL ANCHORS
#4 @ 200 ON CENTER
SEE DETAIL B

INNER RING - 48 EQUAL PIES ON A 250.0 O.C. (21.5' DIA)
OUTER RING - 48 EQUAL PIES ON A 280.0 O.C. (23.5' DIA)
INNER ANCHOR BOLTS TO WITHIN
1/2" OF THEIR POSITION (ANCHORS
INSTALL AS SHOWN IN
DETAIL 'B'

SEE DETAIL C
(ON SHEET 2)

REINFORCING STEEL ANCHORS
#4 @ 200 ON CENTER
SEE DETAIL B

REINFORCING STEEL ANCHORS
#4 @ 200 ON CENTER
SEE DETAIL B

REINFORCING STEEL ANCHORS
#4 @ 200 ON CENTER
SEE DETAIL B

REINFORCING STEEL ANCHORS
#4 @ 200 ON CENTER
SEE DETAIL B

GENERAL NOTES

1. THE FOUNDATION MUST CONFORM TO REQUIREMENTS AS STATED IN TOWER & FOUNDATION SPECIFICATIONS SEE SPEC. NO. 47483002
2. OVERALL CONFIGURATION OUTLINE OF FOUNDATION AS SHOWN ON THIS DRAWING IS FOR THE BASELINE FOUNDATION REQUIREMENTS AND MAY VARY FOR SITE SPECIFIC SOIL TEST DATA. SEE LOCAL SITE SPECIFIC DOCUMENTS.
3. FOR OVERALL SITE PLAN AND GENERAL LAYOUT SEE GE DRAWING 470382288 AND 470382289
4. MATERIAL USED IN FOUNDATION CONSTRUCTION SHALL BE OF HIGH GRADE QUALITY AND CONFORM AS FOLLOWS: PORTLAND CEMENT - M1 C59 AGGREGATE - CMAA 10494 #20 RIVER SAND - CMAA 10494 CONCRETE - ASTM A615-60 REINFORCING STEEL - ASTM A615-60
5. ELEVATOR PENETRAL NEED NOT BE PLACED THE SAME TIME AS PRIME FOUNDATION AND MAY BE PLACED AFTER FOUNDATION SET HAS OCCURRED. PENETRAL SHOULD BE REINFORCED AND TIEBAR TIED TO REINFORCEMENT IN FOUNDATION.

SEE SEPARATE PARTS LIST FOR SHEET

NO.	DESCRIPTION	QTY	UNIT
1	FOUNDATION REQUIREMENTS	1	SET
2	FOUNDATION REQUIREMENTS	1	SET
3	FOUNDATION REQUIREMENTS	1	SET
4	FOUNDATION REQUIREMENTS	1	SET
5	FOUNDATION REQUIREMENTS	1	SET
6	FOUNDATION REQUIREMENTS	1	SET
7	FOUNDATION REQUIREMENTS	1	SET
8	FOUNDATION REQUIREMENTS	1	SET
9	FOUNDATION REQUIREMENTS	1	SET
10	FOUNDATION REQUIREMENTS	1	SET
11	FOUNDATION REQUIREMENTS	1	SET
12	FOUNDATION REQUIREMENTS	1	SET
13	FOUNDATION REQUIREMENTS	1	SET
14	FOUNDATION REQUIREMENTS	1	SET
15	FOUNDATION REQUIREMENTS	1	SET
16	FOUNDATION REQUIREMENTS	1	SET
17	FOUNDATION REQUIREMENTS	1	SET
18	FOUNDATION REQUIREMENTS	1	SET
19	FOUNDATION REQUIREMENTS	1	SET
20	FOUNDATION REQUIREMENTS	1	SET
21	FOUNDATION REQUIREMENTS	1	SET
22	FOUNDATION REQUIREMENTS	1	SET
23	FOUNDATION REQUIREMENTS	1	SET
24	FOUNDATION REQUIREMENTS	1	SET
25	FOUNDATION REQUIREMENTS	1	SET
26	FOUNDATION REQUIREMENTS	1	SET
27	FOUNDATION REQUIREMENTS	1	SET
28	FOUNDATION REQUIREMENTS	1	SET
29	FOUNDATION REQUIREMENTS	1	SET
30	FOUNDATION REQUIREMENTS	1	SET
31	FOUNDATION REQUIREMENTS	1	SET
32	FOUNDATION REQUIREMENTS	1	SET
33	FOUNDATION REQUIREMENTS	1	SET
34	FOUNDATION REQUIREMENTS	1	SET
35	FOUNDATION REQUIREMENTS	1	SET
36	FOUNDATION REQUIREMENTS	1	SET
37	FOUNDATION REQUIREMENTS	1	SET
38	FOUNDATION REQUIREMENTS	1	SET
39	FOUNDATION REQUIREMENTS	1	SET
40	FOUNDATION REQUIREMENTS	1	SET
41	FOUNDATION REQUIREMENTS	1	SET
42	FOUNDATION REQUIREMENTS	1	SET
43	FOUNDATION REQUIREMENTS	1	SET
44	FOUNDATION REQUIREMENTS	1	SET
45	FOUNDATION REQUIREMENTS	1	SET
46	FOUNDATION REQUIREMENTS	1	SET
47	FOUNDATION REQUIREMENTS	1	SET
48	FOUNDATION REQUIREMENTS	1	SET
49	FOUNDATION REQUIREMENTS	1	SET
50	FOUNDATION REQUIREMENTS	1	SET

FOUNDATION REQUIREMENTS
M1 C59
CMAA 10494
ASTM A615-60

SEE NOTE 4

SECTION A-A

SECTION B-B

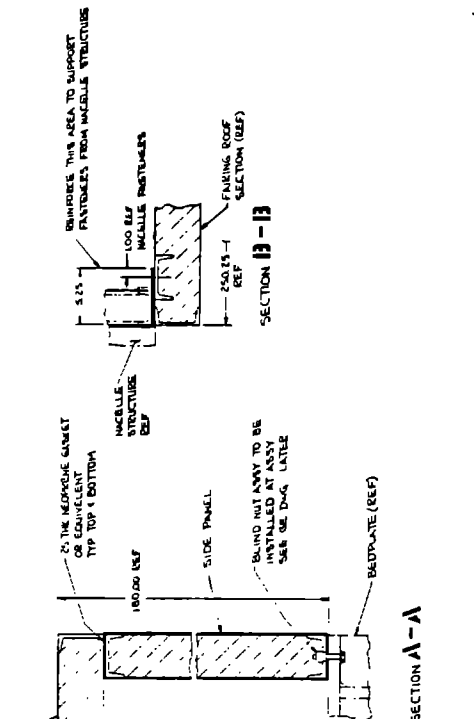
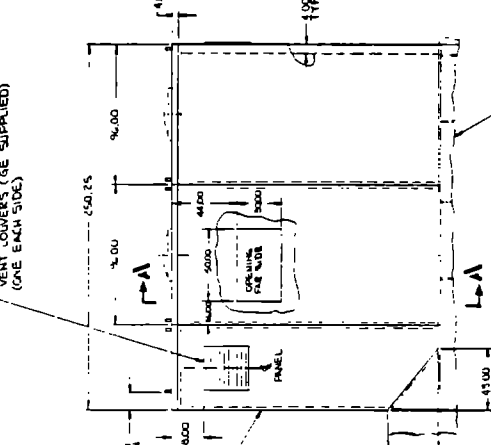
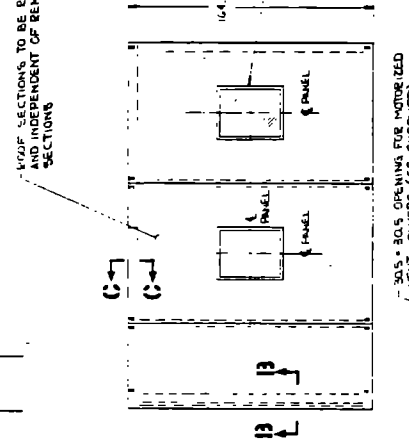
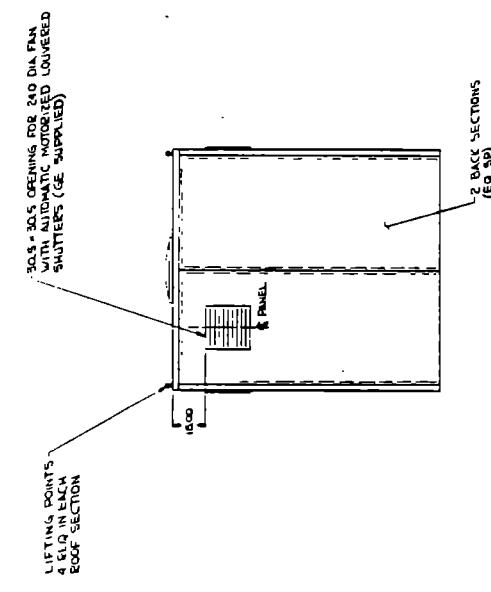
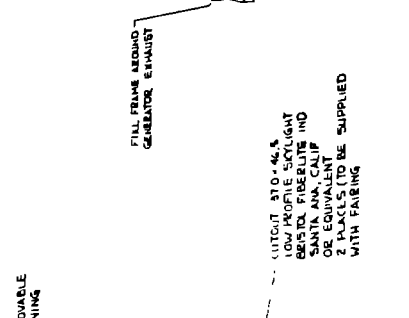
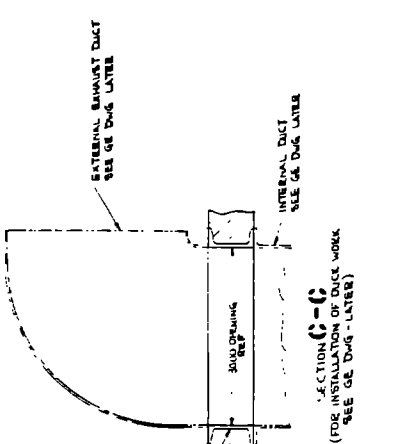
**ORIGINAL PAGE 70
OF POOR QUALITY**

- NOTES:
1. DRAWING TERMS & TOLERANCES PER ANSI Y14.5.
 2. FAIRING MUST CONFORM TO TECHNICAL REQUIREMENTS AS STATED IN GE SPEC 47A380021.
 3. ROOF ATTACHMENT BOLTS TO BE ACCESSIBLE FROM INSIDE OF FAIRING.
 4. FINISH-PAINT FAIRING PER GE SPEC 47A380048.
 5. PAINT MARKING ON EXTERNAL SURFACE OF FAIRING PER GE DRAWING (LATER).
 6. PART TO BE MARKED WITH MANUFACTURER'S IDENTIFICATION AND MARKED "GE 47E381113 P1 WITH A CONTRASTING COLOR.
 7. GE APPROVAL OF SUPPLIER'S MANUFACTURING DRAWING IS REQUIRED PRIOR TO FABRICATION.

ENGINE CONFORM DRAWING
 ALL THE DIMENSIONS ARE TO THE CENTER UNLESS SPECIFICALLY NOTED OTHERWISE.
 ALL DIMENSIONS ARE TO THE CENTER UNLESS SPECIFICALLY NOTED OTHERWISE.
 ALL DIMENSIONS ARE TO THE CENTER UNLESS SPECIFICALLY NOTED OTHERWISE.
 ALL DIMENSIONS ARE TO THE CENTER UNLESS SPECIFICALLY NOTED OTHERWISE.
 ALL DIMENSIONS ARE TO THE CENTER UNLESS SPECIFICALLY NOTED OTHERWISE.

REV	DATE	BY	CHKD	DESCRIPTION
1	01/11/77	...	...	...
2	01/11/77	...	...	...
3	01/11/77	...	...	...
4	01/11/77	...	...	...
5	01/11/77	...	...	...
6	01/11/77	...	...	...
7	01/11/77	...	...	...
8	01/11/77	...	...	...
9	01/11/77	...	...	...
10	01/11/77	...	...	...

SEE NOTE 2



SECTION A-A

SECTION B-B

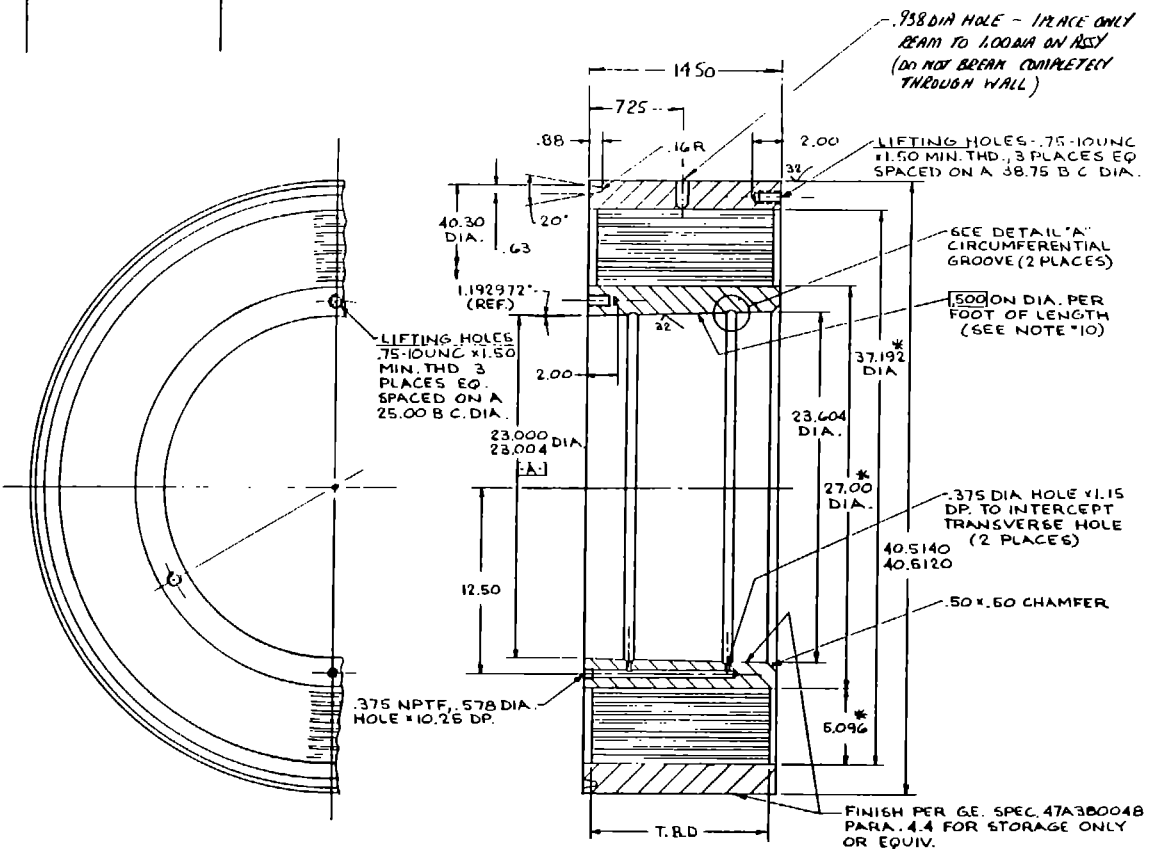
THIS END IS OPEN

14

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

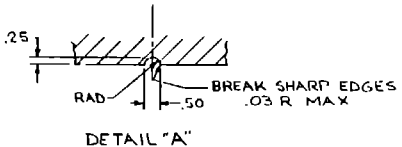
REV	DESCRIPTION	DATE	APPROVED
D	47D381114		

SOURCE OF SUPPLY		
SUFFIX	PART NO.	VENDOR
PI		



- NOTES:**
- DWG TERMS & TOLERANCES PER ANSI Y14.5.
 - PART TO BE MARKED WITH MFG'S IDENT. # "GE 47D381114 PI".
 - PART TO CONFORM TO REQ'T. IN G.E. SPEC. 47A380048.
 - BREAK ALL SHARP EDGES, .03 MAX.
 - ALL DIM. MARKED WITH * ARE REF. ONLY - ALL OTHER DIM. ARE CONTROLLING & MUST BE ADHERED TO.
 - PART TO BE MADE FROM (TBD) STEEL (EXCEPT ELASTOMERIC SECT.) TO MEET LOAD REQ'T. AS NOTED IN NOTE #3.
 - ALL ELASTOMERIC SECT. TO BE MOULDED & BONDED PER MFG. RECOMMENDED SPEC.
 - PART TO BE FINISHED (EXCEPT FOR ELASTOMERIC & NOTED SURFACES) PER G.E. SPEC. 47A380048 (COLOR OPTIONAL) SEA COAST ENVIRONMENT.
 - VENDOR FABRICATION DWG'S. & SPEC SHALL BE SUBMITTED FOR G.E. APPROVAL PRIOR TO START OF FABRICATION.
 - TAPER TO MATCH TAPER ON G.E. DWG 47E382403.

ORIGINAL PAGE IS OF POOR QUALITY



SOURCE CONTROL DRAWING
 ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULATION HAVE BEEN TESTED AND APPROVED BY G.E. FOR USE ON ALL G.E. EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY G.E.

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PUR CHASING.

EST. WT. = 2500 LBS.

GENERAL ELECTRIC BEARING, RADIAL-TEETER MOD 5A WTG	SIZE / PRICE NO. D / 47D381114	SHEET NO. 1 OF 1
	SCALE: 1" = 1"	

SIGNATURES	DATE
DESIGNED BY: [Signature]	3-30-78
CHECKED BY: [Signature]	3/30/78
APPROVED BY: [Signature]	3/30/78
DATE: 10-30-78	125
MAT'L.	
SEE NOTE #6	

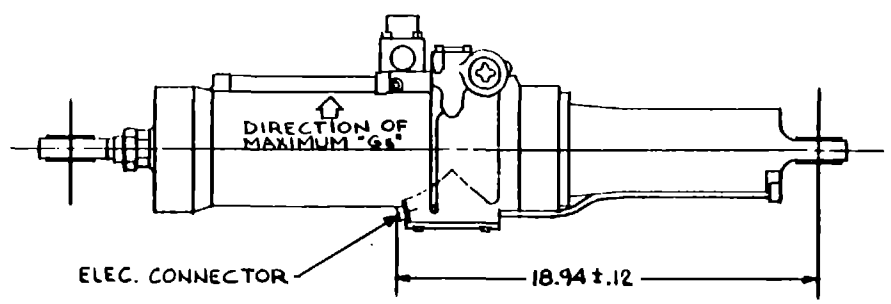
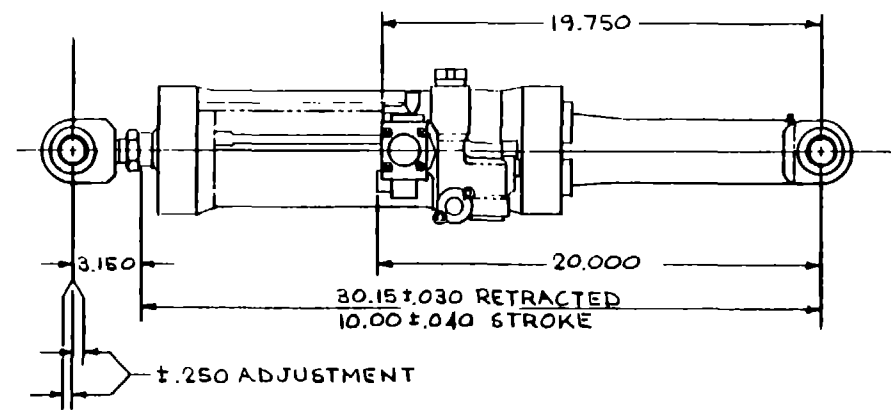
NEXT ASSEMBLY
PI 47E382583 61 MOD 5A



WTG 504

SOURCE OF SUPPLY			
SUFFIX	VENDOR PART NO.	VENDOR	FROM
PI	LATER	LATER	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



NOTES:

1. DWG. TERMS & TOLERANCES PER A.N.S.I. Y14.5
2. ACTUATOR ASS'Y. TO CONFORM TO G.E. SPEC. 47A380014.
3. ACTUATOR ASS'Y. TO BE USED WITH HYDRAULIC FLUID MEETING REQUIREMENTS OF MIL-H-5606 OR AUTOMATIC TRANSMISSION FLUID TYPE "F" OR DEXRON II.
4. ACTUATOR OPERATING PRESSURE TO BE 4000 P.S.I.
5. ALL HYDRAULIC ACTUATOR PARTS TO CONFORM TO MS 33649 AND TO BE OF THE FOLLOWING MINIMUM SIZES:
 PRESSURE PORT - 10
 RETURN PORT - 12
 PILOT PORT - 4
6. ACTUATOR WORKING STROKE TO BE 10.00 ± .04
7. FINISH: ALL EXPOSED SURFACES SHALL BE PROTECTED TO RESIST CORROSION DUE TO SALT BEARING ATMOSPHERE PER SEA COAST ENVIRONMENT. REF. G.E. SPEC. 47A38004B.
8. MARK PART WITH VENDOR PART NO. AND G.E. NO. "GE 47C381115 PI" WITH TAG OR ETCHING PER VENDORS STANDARD PROCEDURE.

SOURCE CONTROL DRAWING

ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULATION HAVE BEEN TESTED AND APPROVED BY G.E. FOR USE ON AEDD EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY G.E.

NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASING.

(PI)

SUFFIX	NEXT ASSY	MOD	USED ON
PI	47E382610	MOD 5A W19	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES—		SIGNATURES		DAY	MO	YR
TOLERANCES ON		DRAWN	<i>E. Buntzel</i>	20	4	84
2 PLACE DECIMALS ±		CHECKED	<i>A. B...</i>	1	5	84
3 PLACE DECIMALS ±		ISSUED	<i>S. D...</i>	8	5	84
ANGLES ±		ENGRG	<i>S. D...</i>	1	5	84
FRACTIONS ±		MFG	<i>N/A</i>			
MATERIAL		DATE	<i>R. M. R. M. S...</i>	3	5	84

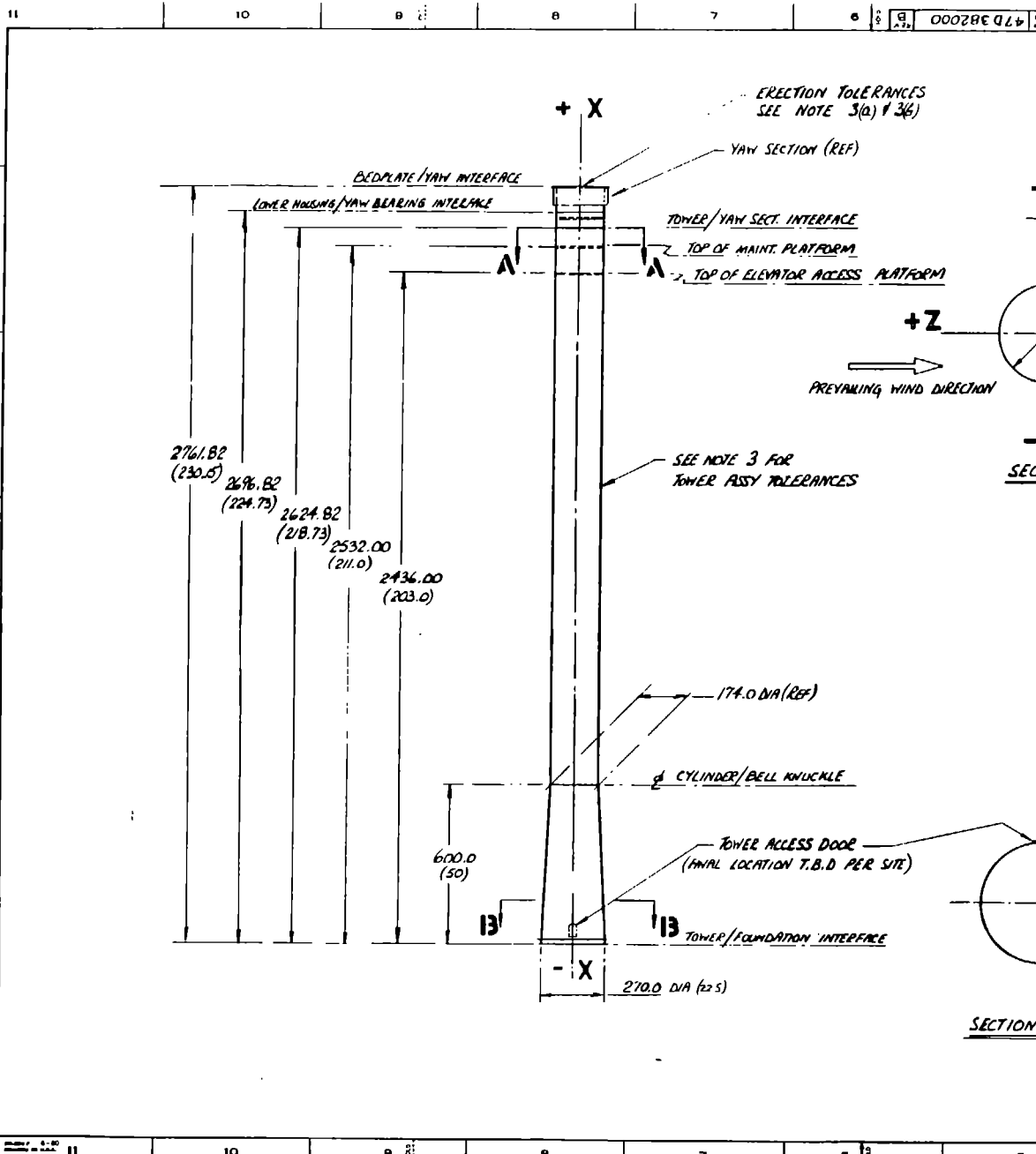
GENERAL ELECTRIC
AEP -DEPT LOC- KING OF PRUSSIA, PA

**ACTUATOR,AILERON SYSTEM
MOD- 5A**

SIZE CODE IDENT NO
C 47C381115

SCALE 1/4 SHEET 1 OF 1

REV C 47C381115 MTG-500



ERECTION TOLERANCES
SEE NOTE 3(a) & 3(b)

FORM	LIB	DESCRIPTION	DATE	APPROVED
A		REVISED FOLLOWING - AIRCRAFT NAMING LIGHTS AND PLATFORM NOTE BLADE INSPECTION DOOR AND HANGING UPDATED GEOMETRY. REVISED NOTES 6 & 3 ISSUED - DOCUMENT NEW INFLIGHT CONFIGURATION CONTROL.	11/1/15	[Signature]
B		REVISED PER AN-1	11/1/15	[Signature]

GENERAL NOTES

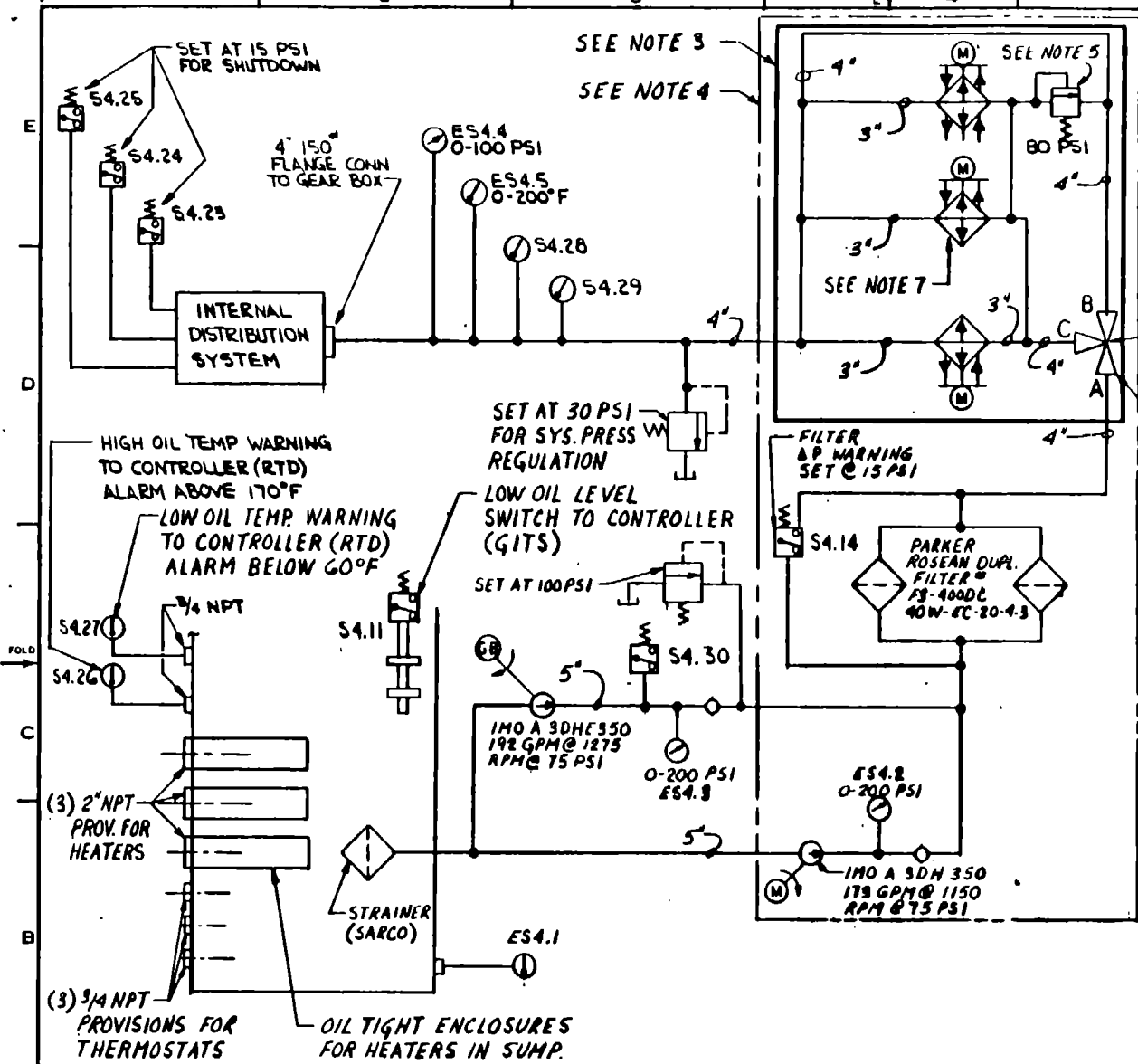
- TOWER ASSEMBLY TO CONFORM TO GE DWG 47E382356 AND GE SPEC. 47A380022
- ALL DIMENSIONS GIVEN IN INCHES - EXCEPT FEET NOTED THUS ()
- TOWER MUST CONFORM TO THE FOLLOWING ERECTION TOLERANCES:
 - AT THE BED PLATE/TOWER INTERFACE
 - HORIZONTAL**
 - CYLINDRICAL SHELL SHALL BE ERECTED LEVEL TO WITHIN AN ERROR OF 1:1000 (TOL. TO BE MET ACROSS FULL PLANE OF RANGE)
 - VERTICAL**
 - CYLINDRICAL SHELL SHALL BE ERECTED VERTICAL TO WITHIN AN ERROR OF 1:1000 (TOL. TO BE MET ON A RADIAL PATTERN FROM TRUE)
 - GENERAL
 - BASIC DIAMETERS TO BE WITHIN THE SMALLER OF 1x PLATE THICKNESS OR 1.0 INCH.
 - STRAIGHTNESS OF CYLINDRICAL SECTIONS TO BE WITHIN 0.5 INCH IN ANY 10 FT. OF LENGTH. AT WELD AREAS STRAIGHTNESS WITHIN ±5.0 INCHES OF WELD SHALL NOT EXCEED 25% OF MIN. PLATE THICKNESS OF WELD JOINT.
 - SEAM MISMATCH AT WELDED JOINTS SHALL NOT EXCEED THE SMALLER OF 1/10th OF MIN. PLATE THICKNESS OR 0.10 INCHES.
 - OVERALL LOCATING DIMENSIONS TO BE WITHIN ±0.5 INCHES PER 1000 INS.
 - CYLINDRICAL SECTIONS TO BE CIRCULAR TO .12 MMC

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - TOLERANCES ON:	FINISH	ALL SURF.
2 PLACE DECIMALS ±	AS SHOWN	✓
3 PLACE DECIMALS ±		
FRACTIONS ±		
MATERIAL -		

SIGNATURES		GENERAL ELECTRIC	
DATE	BY	AEP - MING OF BRUSSIA, PA.	
11/1/15	[Signature]	TOWER GEOMETRY & TOLERANCE DIAGRAM MOD 5A	
11/1/15	[Signature]		
11/1/15	[Signature]		
11/1/15	[Signature]		
SHEET CODE (NUM. IN)		47D382000	
SCALE		SHEET 1 OF 1	

REVISIONS				
ZONL	LTR	DESCRIPTION	DATE	APPROVED
B		GENERAL CHANGE, ISSUED UNDER CONFIGURATION CONTROL	9/10/83	J.T. T.K.
C		SEE AN-1 WAS FORMERLY E882020	12/1/83	TK

ORIGINAL PAGE IS OF POOR QUALITY



THERMOSTATICALLY CONTROLLED VALVE SET UP TO OPERATE IN A MIXING MODE
SEE NOTE 6

NOTES:

- LUBRICATION REQUIREMENTS**
LUBRICANT - MOBIL SHC 630 1165 SSU @ 100°F
131 SSU @ 210°F
SUPPLIED AT 115°F MAX.
INLET PRESS, 30 PSI, FLOW REQ'D 167 GPM
HEAT LOAD 320 HP (819400 BTU/HR)
- PUMPS ARE REDUNDANT. THE PRIMARY PUMP IS GEARBOX DRIVEN. THE AUXILIARY PUMP IS MOTOR DRIVEN.
- SOLID BOX DENOTES G.E. COMPONENTS
- PHANTOM LINE DENOTES COMPONENTS MOUNTED ON PLATFORM WITH G.E. COMPONENTS, BUT SUPPLIED BY OTHERS (PHILA. GEAR CORP.)
- REFER TO G.E. DWG 47C381086P1
- REFER TO G.E. DWG 47C381084
- THIS COMPONENT IS DEFINED BY G.E. SPECIFICATION 47A380108.
- ES4. _ DENOTES ENGINEERING INFORMATION SYSTEM. ALL SIGNALS ARE ANALOG.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES—
TOLERANCES ON
2 PLACE DECIMALS ±
3 PLACE DECIMALS ±
ANGLES ±
FRACTIONS ±
MATERIAL—
ALL SURF ✓

SUFFIX	NEXT ABBY	USED ON
—	47E382570	MOD 5A WTG

SIGNATURES	DATE	CHK	REV
<i>[Signature]</i>	12 9 83		
CHIEF	13 4 83		
DESIGN	16 4 83		
ENGR	13 4 83		
DRG	19 4 83		
CHK	18 4 83		
CONTROL	14 4 83		

GENERAL ELECTRIC
AEP DEPT. LOC. KING OF PRUSSIA, PA.

CENTRAL GEARBOX LUBRICATION SYSTEM SCHEMATIC
MOD 5A - WTG

SIZE CODE IDENT NO
C 47C382020

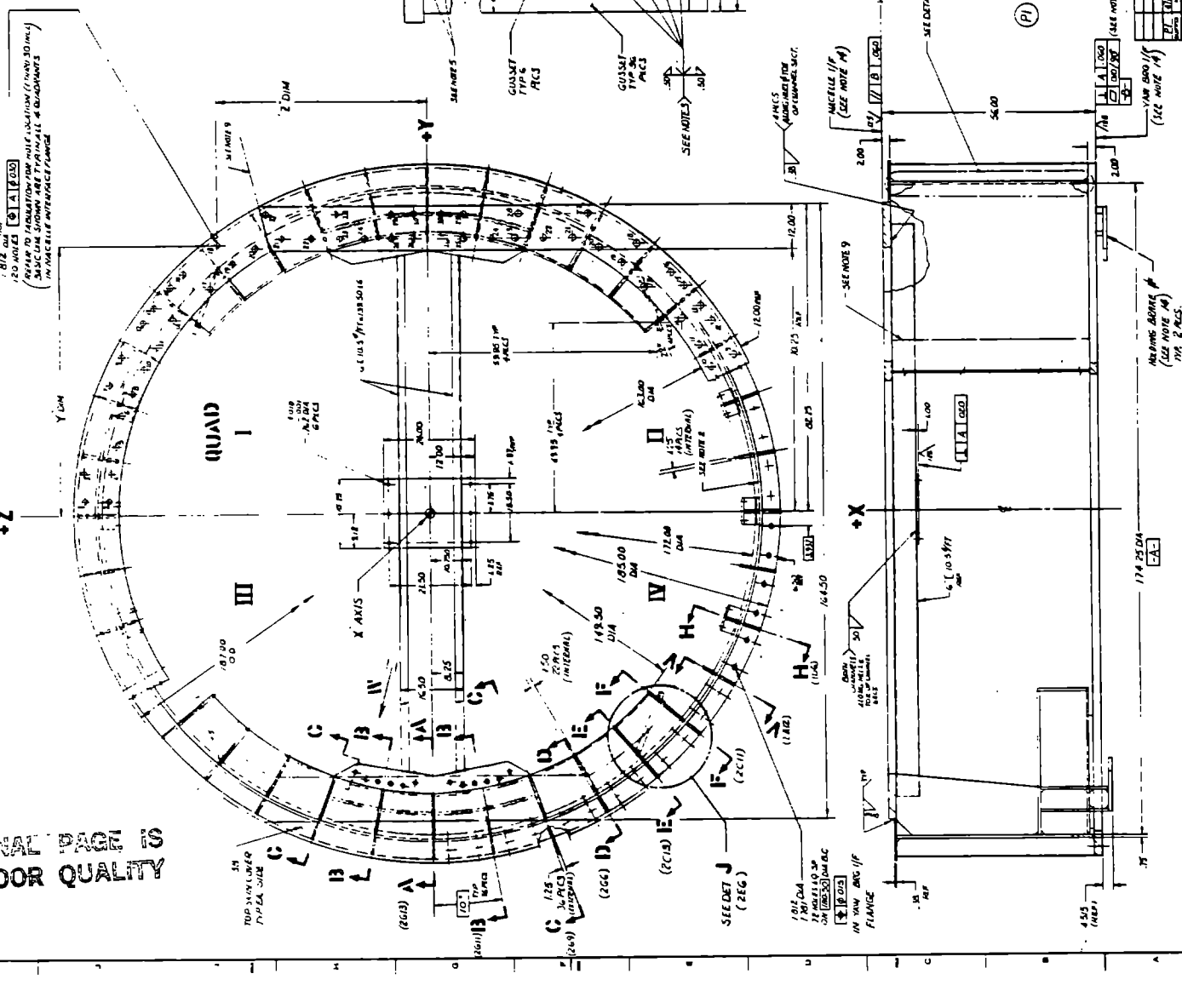
SCALE NONE SHEET 1 OF 1

WTG - 520

ORIGINAL PAGE IS
OF POOR QUALITY

DIMENSIONS SHOWN
BELOW ARE BASIC

NO.	Y DIM	X DIM
1	31.25	31.25
2	38.40	38.40
3	45.55	45.55
4	52.70	52.70
5	59.85	59.85
6	67.00	67.00
7	74.15	74.15
8	81.30	81.30
9	88.45	88.45
10	95.60	95.60
11	102.75	102.75
12	109.90	109.90
13	117.05	117.05
14	124.20	124.20
15	131.35	131.35
16	138.50	138.50
17	145.65	145.65
18	152.80	152.80
19	159.95	159.95
20	167.10	167.10
21	174.25	174.25
22	181.40	181.40
23	188.55	188.55
24	195.70	195.70
25	202.85	202.85
26	210.00	210.00
27	217.15	217.15
28	224.30	224.30
29	231.45	231.45
30	238.60	238.60
31	245.75	245.75
32	252.90	252.90
33	260.05	260.05
34	267.20	267.20
35	274.35	274.35
36	281.50	281.50
37	288.65	288.65
38	295.80	295.80
39	302.95	302.95
40	310.10	310.10
41	317.25	317.25
42	324.40	324.40
43	331.55	331.55
44	338.70	338.70
45	345.85	345.85
46	353.00	353.00
47	360.15	360.15
48	367.30	367.30
49	374.45	374.45
50	381.60	381.60
51	388.75	388.75
52	395.90	395.90
53	403.05	403.05
54	410.20	410.20
55	417.35	417.35
56	424.50	424.50
57	431.65	431.65
58	438.80	438.80
59	445.95	445.95
60	453.10	453.10
61	460.25	460.25
62	467.40	467.40
63	474.55	474.55
64	481.70	481.70
65	488.85	488.85
66	496.00	496.00
67	503.15	503.15
68	510.30	510.30
69	517.45	517.45
70	524.60	524.60
71	531.75	531.75
72	538.90	538.90
73	546.05	546.05
74	553.20	553.20
75	560.35	560.35
76	567.50	567.50
77	574.65	574.65
78	581.80	581.80
79	588.95	588.95
80	596.10	596.10
81	603.25	603.25
82	610.40	610.40
83	617.55	617.55
84	624.70	624.70
85	631.85	631.85
86	639.00	639.00
87	646.15	646.15
88	653.30	653.30
89	660.45	660.45
90	667.60	667.60
91	674.75	674.75
92	681.90	681.90
93	689.05	689.05
94	696.20	696.20
95	703.35	703.35
96	710.50	710.50
97	717.65	717.65
98	724.80	724.80
99	731.95	731.95
100	739.10	739.10
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103	760.55	760.55
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106	782.00	782.00
107	789.15	789.15
108	796.30	796.30
109	803.45	803.45
110	810.60	810.60
111	817.75	817.75
112	824.90	824.90
113	832.05	832.05
114	839.20	839.20
115	846.35	846.35
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117	860.65	860.65
118	867.80	867.80
119	874.95	874.95
120	882.10	882.10
121	889.25	889.25
122	896.40	896.40
123	903.55	903.55
124	910.70	910.70
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129	946.45	946.45
130	953.60	953.60
131	960.75	960.75
132	967.90	967.90
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134	982.20	982.20
135	989.35	989.35
136	996.50	996.50
137	1003.65	1003.65
138	1010.80	1010.80
139	1017.95	1017.95
140	1025.10	1025.10
141	1032.25	1032.25
142	1039.40	1039.40
143	1046.55	1046.55
144	1053.70	1053.70
145	1060.85	1060.85
146	1068.00	1068.00
147	1075.15	1075.15
148	1082.30	1082.30
149	1089.45	1089.45
150	1096.60	1096.60
151	1103.75	1103.75
152	1110.90	1110.90
153	1118.05	1118.05
154	1125.20	1125.20
155	1132.35	1132.35
156	1139.50	1139.50
157	1146.65	1146.65
158	1153.80	1153.80
159	1160.95	1160.95
160	1168.10	1168.10
161	1175.25	1175.25
162	1182.40	1182.40
163	1189.55	1189.55
164	1196.70	1196.70
165	1203.85	1203.85
166	1211.00	1211.00
167	1218.15	1218.15
168	1225.30	1225.30
169	1232.45	1232.45
170	1239.60	1239.60
171	1246.75	1246.75
172	1253.90	1253.90
173	1261.05	1261.05
174	1268.20	1268.20
175	1275.35	1275.35
176	1282.50	1282.50
177	1289.65	1289.65
178	1296.80	1296.80
179	1303.95	1303.95
180	1311.10	1311.10
181	1318.25	1318.25
182	1325.40	1325.40
183	1332.55	1332.55
184	1339.70	1339.70
185	1346.85	1346.85
186	1354.00	1354.00
187	1361.15	1361.15
188	1368.30	1368.30
189	1375.45	1375.45
190	1382.60	1382.60
191	1389.75	1389.75
192	1396.90	1396.90
193	1404.05	1404.05
194	1411.20	1411.20
195	1418.35	1418.35
196	1425.50	1425.50
197	1432.65	1432.65
198	1439.80	1439.80
199	1446.95	1446.95
200	1454.10	1454.10



- NOTES
- 1- DRAWING (1/16\"/>

- 14- APPLY COATING TO THESE SURFACES PER GE SPEC NOTE 7 - ACCEPT ONLY FINAL FINISH COAT (THICK COAT ONLY)

EST. NO. 21417 LB
NO. 21400 LB
NO. 21401 LB

YAW HOUSING STRUCTURE (UPPER)

AKOJ 54 W/G

47E 382050

DATE: 1/24/52

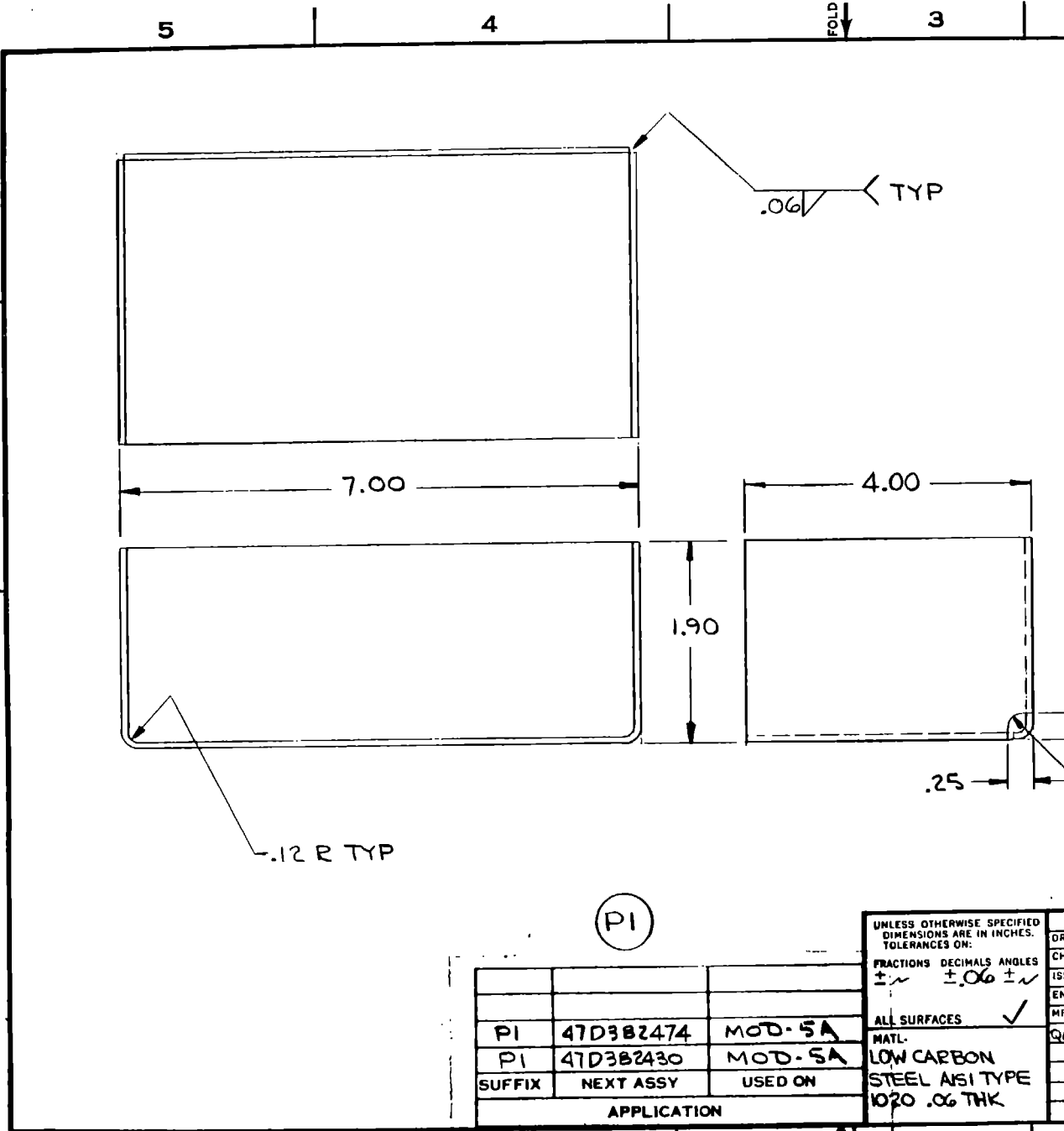
REVISION STATUS INFORMATION

NO.	DATE	DESCRIPTION
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B

PN902-F (3-83)-FRIN-110 IN. U.S.A.

5



FOLD ↓

SIZE B 47B382131 SHEET 1 OF 1 REV

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

- NOTES:
1. DRAWING TERMS & TOLERANCES PER ANSI Y14.5.
 2. REMOVE BURRS & BREAK ALL SHARP EDGES.
 3. ALL WELDING, SURFACE PREPARATION AND INSPECTION PER GE SPEC 47A380054.
 4. MARK "47B382131PI" WITH A CONTRASTING COLOR.
 5. PRIME PER GE SPEC 47A380048.

EST. WT. 1.0 LB

PI	47D382474	MOD-5A
PI	47D382430	MOD-5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:			
FRACTIONS	DECIMALS	ANGLES	
±	±.06	±	
ALL SURFACES ✓			
MATL. LOW CARBON STEEL ANSI TYPE 1020 .06 THK			
SIGNATURES			
DRAWN	E. M. Williams	DAY	11 10 89
CHECKED	<i>[Signature]</i>	21	12 83
ISSUED	<i>[Signature]</i>	22	2 84
ENGRG	<i>[Signature]</i>	9	2 89
MFG	<i>[Signature]</i>	27	2 89
QA	<i>[Signature]</i>	14	7 84

GENERAL ELECTRIC	
AEP DEPT	LOC. KING OF PRUSSIA, PA.
ENCLOSURE, TRAP DOOR	
MOD 5A-WTG	
SIZE B	CODE IDENT NO. 47B382131
SCALE FULL	SHEET 1 OF 1

DIST TO WTG-504

5

FORM 11148 (3-81)

4

34

3

2

NOTES:

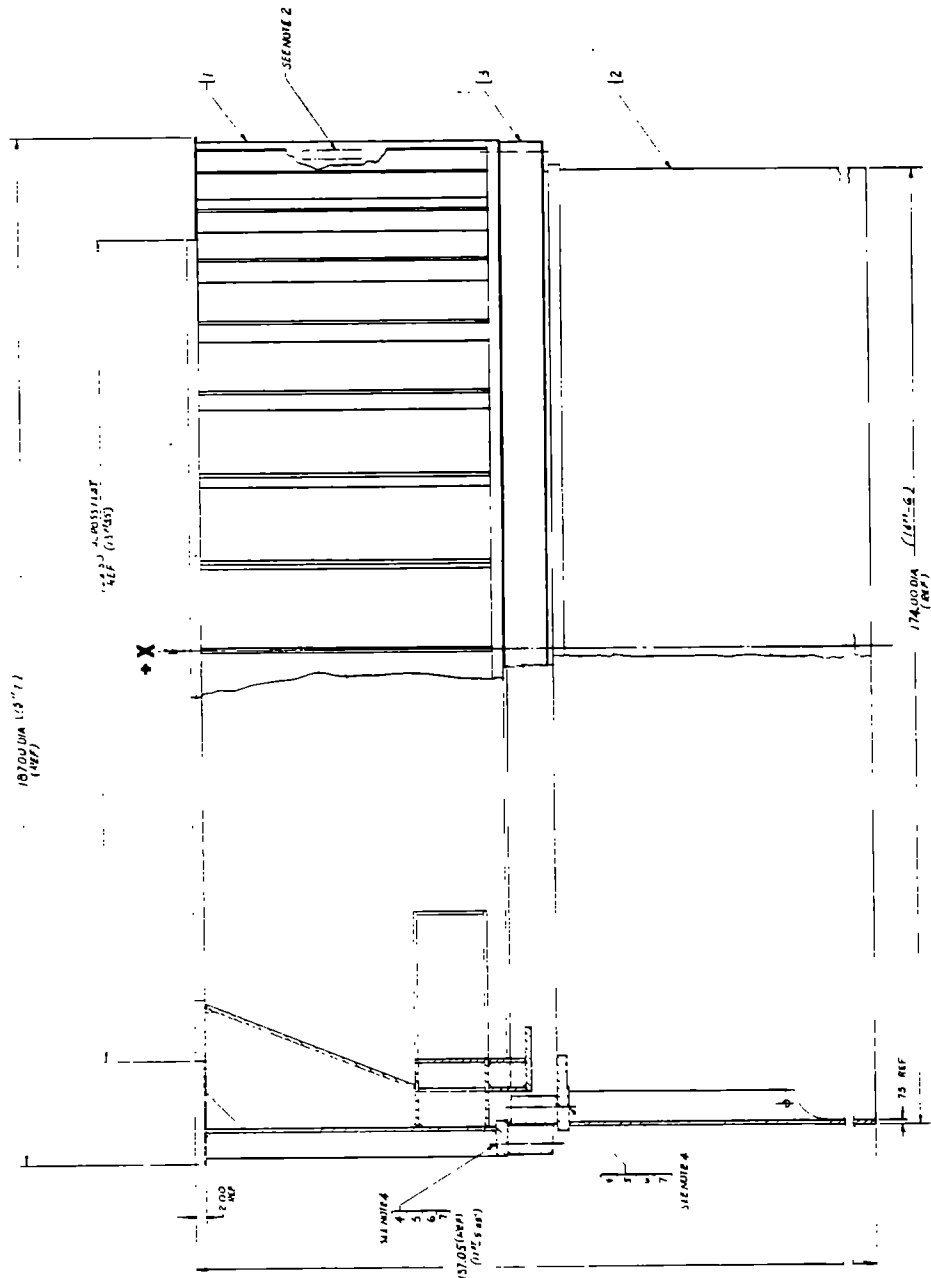
1. DIMENSIONS TAKEN BY THE BUYER
2. MAKE #123213101 WITH MODIFIED USING IN-BOARD STATION ON HULL
3. DEGRASS CLEAN / INSULATION / ASST / PAR GE SPEC #74 800-23
4. TIRE-FLANSON MARKING (100) - (100) 103.07 PER GE SPEC #74100021 AREA 2.1.4

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ESJ-WT 45150 LB

SEE DRAWING BY FLOOR SHEET

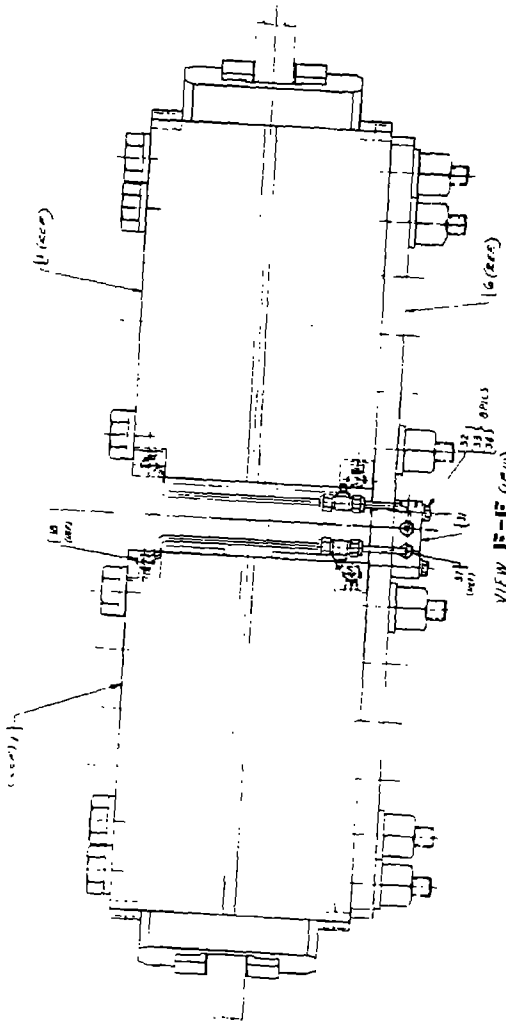
REVISIONS		DATE	BY	APP	DESCRIPTION
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100					ISSUED FOR CONSTRUCTION



(61)

LOOKING TOWARD +Z AXIS (ROTOR END) REF

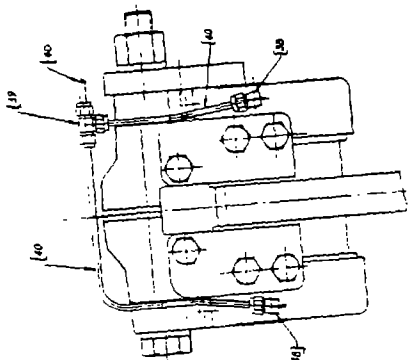
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OF POOR QUALITY



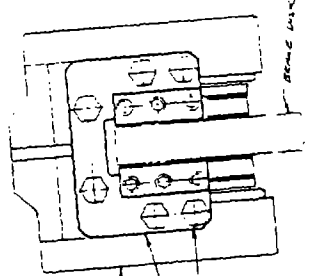
VIEW E-E (1:10)

HYDRAULIC ACTUATOR (MIL-STD-1750)
CLEVIS BRACKETS (MIL-STD-1750)
OMITTED

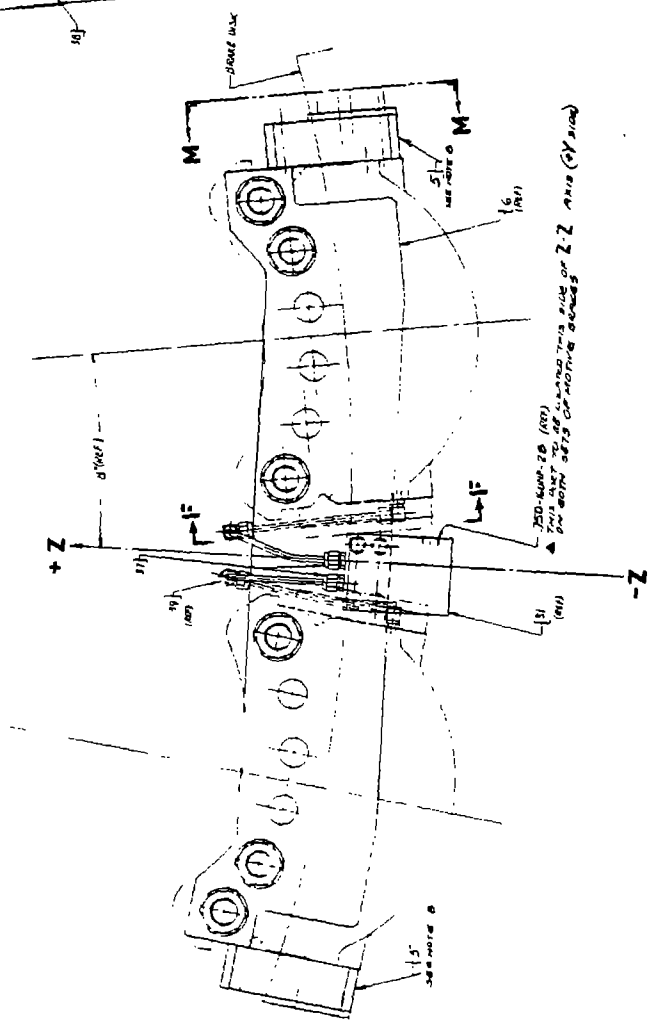
▲ SEE NOTE 20 FOR VIEW E-E AND DIMENSIONS
OF 250-400-25 PART IN FIG. 31



SECTION F-F
TYPICAL OF ALL PIPING



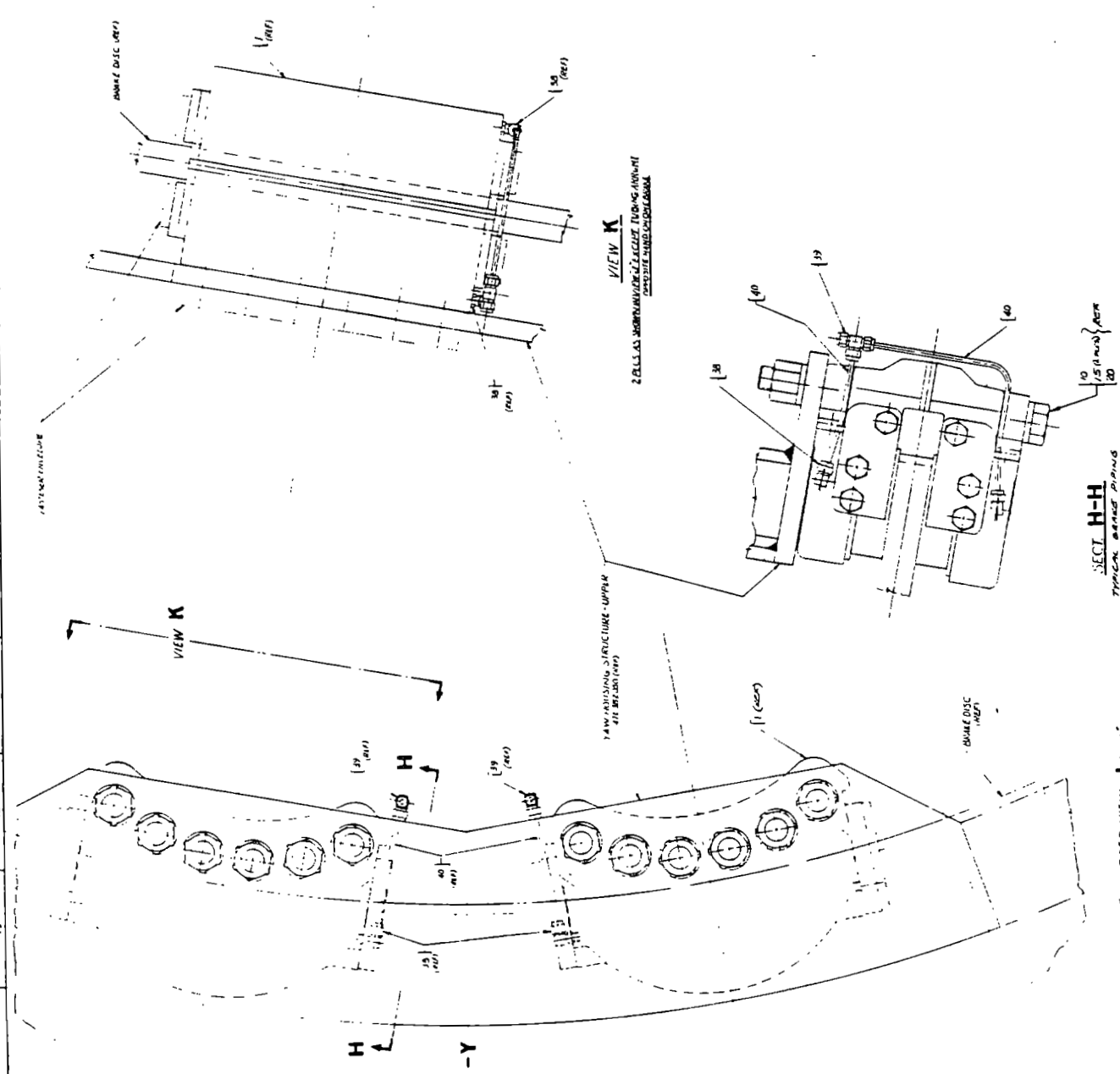
VIEW M-M
TYPICAL OF PULS



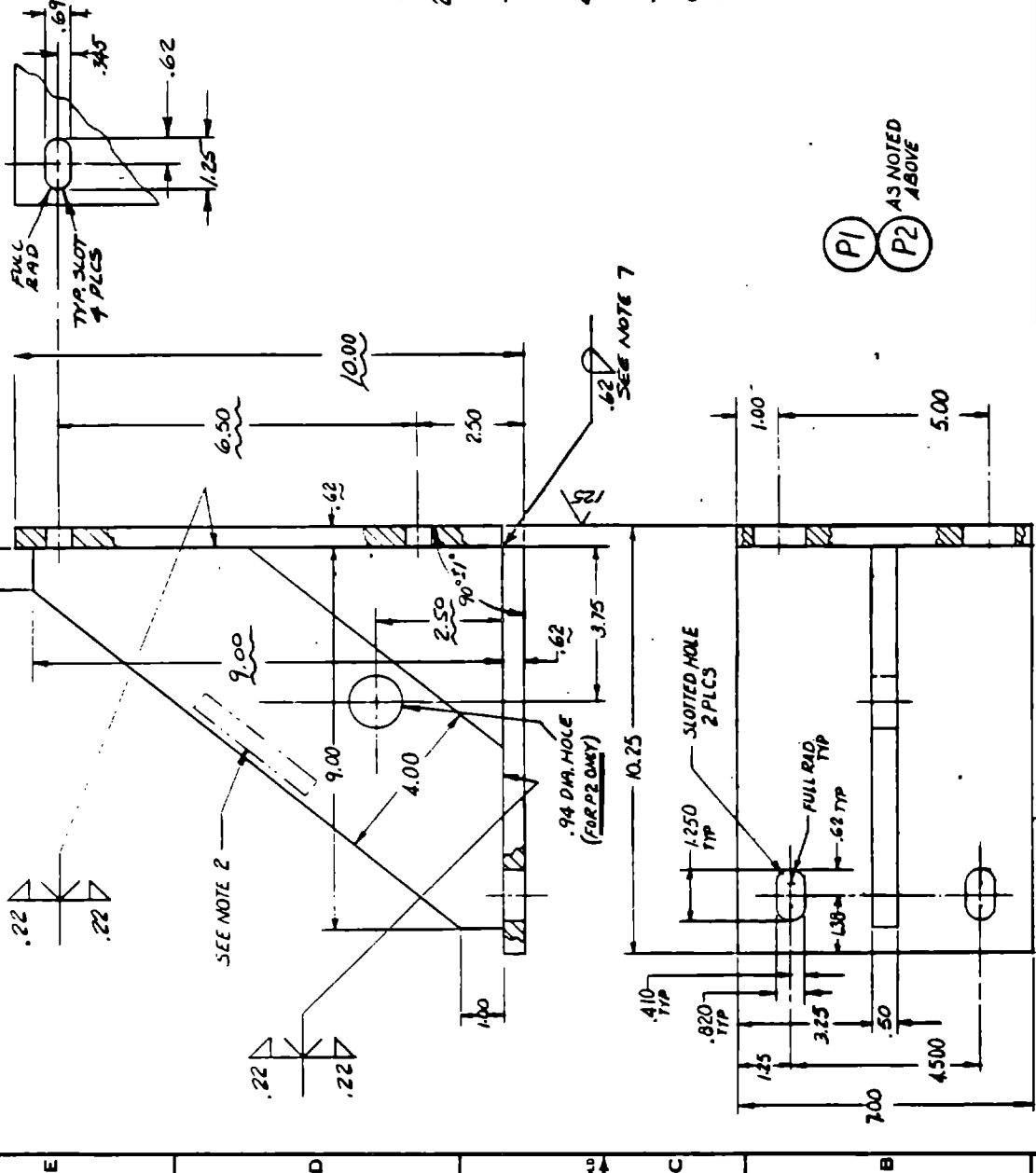
250-400-25 (1:10)
THIS UNIT TO BE USED THIS SIDE OF Z-Z AXIS (BY DIM)
ON BOTH SETS OF MOTING BONES OF Z-Z AXIS (BY DIM)

47E392/65		47E392/65	
YAW DRIVE INSTALLATION		47E392/65	
WTG-M100-5A		47E392/65	
REV		REV	
1	ASSEMBLY	1	ASSEMBLY
2	ASSEMBLY	2	ASSEMBLY
3	ASSEMBLY	3	ASSEMBLY
4	ASSEMBLY	4	ASSEMBLY
5	ASSEMBLY	5	ASSEMBLY
6	ASSEMBLY	6	ASSEMBLY
7	ASSEMBLY	7	ASSEMBLY
8	ASSEMBLY	8	ASSEMBLY
9	ASSEMBLY	9	ASSEMBLY
10	ASSEMBLY	10	ASSEMBLY
11	ASSEMBLY	11	ASSEMBLY
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13	ASSEMBLY	13	ASSEMBLY
14	ASSEMBLY	14	ASSEMBLY
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23	ASSEMBLY	23	ASSEMBLY
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25	ASSEMBLY	25	ASSEMBLY
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46	ASSEMBLY	46	ASSEMBLY
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48	ASSEMBLY	48	ASSEMBLY
49	ASSEMBLY	49	ASSEMBLY
50	ASSEMBLY	50	ASSEMBLY
51	ASSEMBLY	51	ASSEMBLY
52	ASSEMBLY	52	ASSEMBLY
53	ASSEMBLY	53	ASSEMBLY
54	ASSEMBLY	54	ASSEMBLY
55	ASSEMBLY	55	ASSEMBLY
56	ASSEMBLY	56	ASSEMBLY
57	ASSEMBLY	57	ASSEMBLY
58	ASSEMBLY	58	ASSEMBLY
59	ASSEMBLY	59	ASSEMBLY
60	ASSEMBLY	60	ASSEMBLY
61	ASSEMBLY	61	ASSEMBLY
62	ASSEMBLY	62	ASSEMBLY
63	ASSEMBLY	63	ASSEMBLY
64	ASSEMBLY	64	ASSEMBLY
65	ASSEMBLY	65	ASSEMBLY
66	ASSEMBLY	66	ASSEMBLY
67	ASSEMBLY	67	ASSEMBLY
68	ASSEMBLY	68	ASSEMBLY
69	ASSEMBLY	69	ASSEMBLY
70	ASSEMBLY	70	ASSEMBLY
71	ASSEMBLY	71	ASSEMBLY
72	ASSEMBLY	72	ASSEMBLY
73	ASSEMBLY	73	ASSEMBLY
74	ASSEMBLY	74	ASSEMBLY
75	ASSEMBLY	75	ASSEMBLY
76	ASSEMBLY	76	ASSEMBLY
77	ASSEMBLY	77	ASSEMBLY
78	ASSEMBLY	78	ASSEMBLY
79	ASSEMBLY	79	ASSEMBLY
80	ASSEMBLY	80	ASSEMBLY
81	ASSEMBLY	81	ASSEMBLY
82	ASSEMBLY	82	ASSEMBLY
83	ASSEMBLY	83	ASSEMBLY
84	ASSEMBLY	84	ASSEMBLY
85	ASSEMBLY	85	ASSEMBLY
86	ASSEMBLY	86	ASSEMBLY
87	ASSEMBLY	87	ASSEMBLY
88	ASSEMBLY	88	ASSEMBLY
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90	ASSEMBLY	90	ASSEMBLY
91	ASSEMBLY	91	ASSEMBLY
92	ASSEMBLY	92	ASSEMBLY
93	ASSEMBLY	93	ASSEMBLY
94	ASSEMBLY	94	ASSEMBLY
95	ASSEMBLY	95	ASSEMBLY
96	ASSEMBLY	96	ASSEMBLY
97	ASSEMBLY	97	ASSEMBLY
98	ASSEMBLY	98	ASSEMBLY
99	ASSEMBLY	99	ASSEMBLY
100	ASSEMBLY	100	ASSEMBLY

ORIGINAL PAGE IS
OF POOR QUALITY



ZONE	LIN	DESCRIPTION	DRAW	APPROVED



NOTES:

- 1- DWG TERMS & TOL PER ANSI Y14.5
- 2- MARK 647C382/81/R. WHERE INDICATED USING RUBBER STAMP OR PAINT
- 3- ALL WELDING, SURFACE PREPARATION & INSPECTION PER GE SPEC 47A380054- ALL WELDS UNLESS OTHERWISE NOTED TO BE FULL PENETRATION
- 4- STRESS RELIEVE AFTER WELDING & BEFORE FINISH MACHINING
- 5- DEGREASE, CLEAN & PRIME PAINT FINISH PER GE SPEC 47A380048
- 6- REMOVE ALL SHARP EDGES .0204 MAX & 45° MAX.
- 7- PART MAY BE FORMED RATHER THAN A WELDMENT. HOWEVER TOP SURFACE (GUSSET SIDE) OF .320 DIA HOLES MUST BE FLAT FOR .250 HEX NUT & WASHER.

(P1) (P2) AS NOTED ABOVE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-
 2 PLACE DECIMALS ±.02
 3 PLACE DECIMALS ±.010
 ANGLES ± 15'
 FRACTIONS ± 1/32'
 MATERIAL -
LOW CARBON STEEL

REV	DATE	DESCRIPTION	BY	CHKD
P2	47E582/65	MOD 5A		
P1	47E312/65	MOD 5A		
		REVISION		

DATE	BY	CHKD	APP	REV
12/11/81	[Signature]	[Signature]	[Signature]	1
12/11/81	[Signature]	[Signature]	[Signature]	2
12/11/81	[Signature]	[Signature]	[Signature]	3
12/11/81	[Signature]	[Signature]	[Signature]	4
12/11/81	[Signature]	[Signature]	[Signature]	5
12/11/81	[Signature]	[Signature]	[Signature]	6
12/11/81	[Signature]	[Signature]	[Signature]	7

GENERAL ELECTRIC
 AEP - DEPT LOC.
TRACK MOUNTING BRACKET
 MOD-5A-WTG

SIZE CODE IDENT NO
C
 47C382/81

SCALE 1/8" = 1" SHEET 7 of 7

5

4

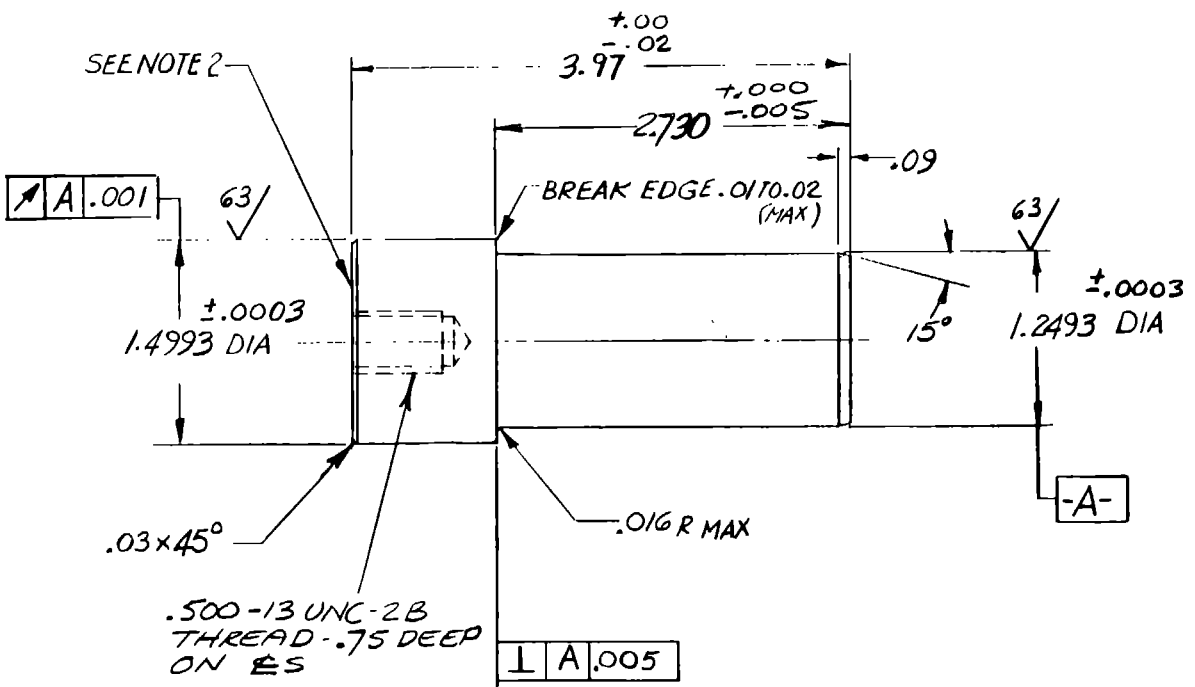
FOLD

3

2

SIZE B 47B382193 SHEET 1 REV

REVISIONS				
ZONF	LTR	DESCRIPTION	DATE	APPROVED



NOTES:
 1- DWG TERMS & TOL PER ANSI Y14.5
 2- MARK "GE47B382193PI" WHERE INDICATED USING RUBBER STAMP OR PAINT

PI

PI	47E382165	MOD 5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:

FRACTIONS DECIMALS ANGLES
 \pm \pm \pm \pm \pm

ALL SURFACES 125/

MATL: AISI 304 OR 316 STAINLESS STEEL

SIGNATURES				DAY	MO	YR
DRAWN	<i>S. H. Seab</i>	2	11	82		
CHECKED	<i>[Signature]</i>	27	4	81		
ISSUED	<i>[Signature]</i>	29	7	81		
ENGRD	<i>[Signature]</i>	13	9	83		
MFG	<i>[Signature]</i>					
MATLS	N/A					
P.A.	<i>[Signature]</i>					
STRESS	<i>[Signature]</i>					
CHIEF ENGR	<i>[Signature]</i>	17	1	84		

GENERAL ELECTRIC		KING OF PRUSSIA, PA	
AEP - DEPT LOC -			
PIN, CLEVIS-BRAKE			
MOD 5A WTG			
SIZE	CODE IDENT NO.	47B382193	
B			
SCALE 1:1	SHEET 1 of 1		WTG 508

5

4

FOLD

3

2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:

WTG 508

5

4

FOLD

3

2

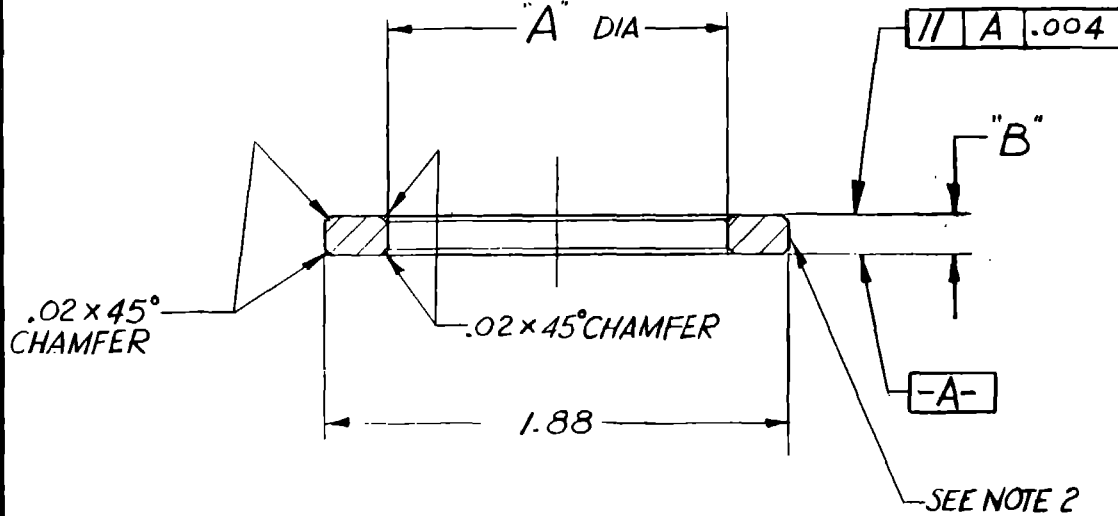
SIZE B 47B332196

SHEET 1 REV

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED

P/N	"A" DIA	"B"
P1	1.254 ^{±.002}	.187 ^{±.002}
P2	1.380 ^{±.002}	.157 ^{±.002}



- NOTES:
- 1- DWG TERMS & TOL PER ANSI Y14.5
 - 2- MARK GE 47B332196 P. WHERE INDICATED USING RUBBER STAMP OR PAINT
 3. FINISH ALL SURFACES WITH BLACK OXIDE PER GE SPEC FG506A.

SUFFIX	NEXT ASSY	USED ON
P2	47E382165	MOD 5A
P1	47E382165	MOD 5A

APPLICATION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:

FRACTIONS DECIMALS ANGLES
 ± ~ ±.01 ±1°
 XX 63/

ALL SURFACES
 MATL. CARBON STEEL

SIGNATURES		DAY	MO	YR
DRAWN	<i>Bel Bend</i>	3	11	82
CHECKED	<i>[Signature]</i>	22	8	83
ISSUED	<i>[Signature]</i>	27	4	83
ENGRD	<i>[Signature]</i>	29	7	83
MFG	<i>[Signature]</i>	21	8	83
MATLS	N/A			
STRESS				
P.O. CHECKED	<i>[Signature]</i>	3	10	83
CHAMFER	N/A			

GENERAL ELECTRIC
 AEP DEPT LOC. KING OF PRUSSIA, PA.

SPACER-CLEVIS
 MOD 5A WTG
 SIZE CODE IDENT NO. B 47B382196

SCALE 2:1 SHEET 1 of 1

5

4

3

3

2

5

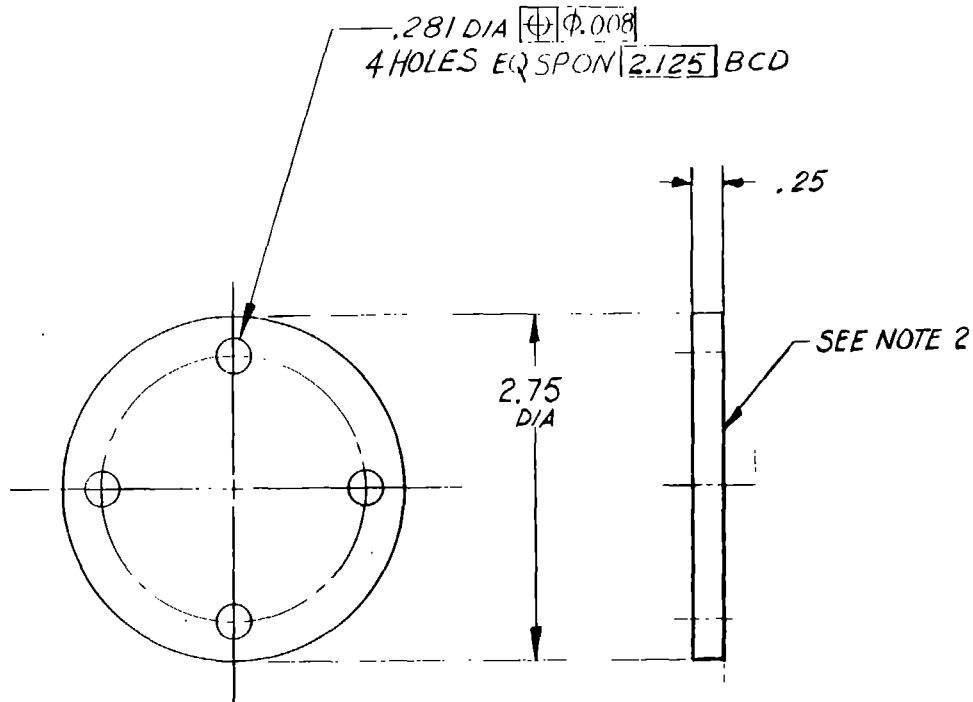
4

FOLD

3

2

SIZE B 47B382200 SHEET / REV



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

ORIGINAL PAGE IS OF POOR QUALITY

- NOTES:
- 1-DWG TERMS & TOL PER ANSI Y14.5
 - 2-MARK GE 47B382200 PI WHERE INDICATED USING RUBBER STAMP OR PAINT
 - 3-REMOVE ALL BURRS & SHARP EDGES .01 - .02
 - 4-FINISH ALL SURFACES WITH BLACK OXIDE PER GE SPEC FG5D6A.

PI

PI	47E382165	MOD 5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:

FRACTIONS DECIMALS ANGLES

± .02 ± 125'

ALL SURFACES

MATL- AISI 1020 STEEL

SIGNATURES				DAY	MO	YR
DRAWN	<i>Sof. G. ...</i>			8	11	82
CHEK	<i>[Signature]</i>			22	8	82
ISSUED	<i>[Signature]</i>			19	10	83
ENGR	<i>[Signature]</i>			20	9	83
MFG	<i>[Signature]</i>			24	3	83
MATLS	N/A					
P. M.	<i>[Signature]</i>			9	9	83
STRESS	N/A					
CHIEF ENG	N/A					

GENERAL ELECTRIC
 AEP - DEPT LOC - KING OF PRUSSIA, PA.

RETAINER, PIN-CLEVIS

MOD 5A WTG

SIZE	CODE IDENT NO.
B	47B382200

SCALE 1:1 SHEET 1 of 1

5

4

FOLD

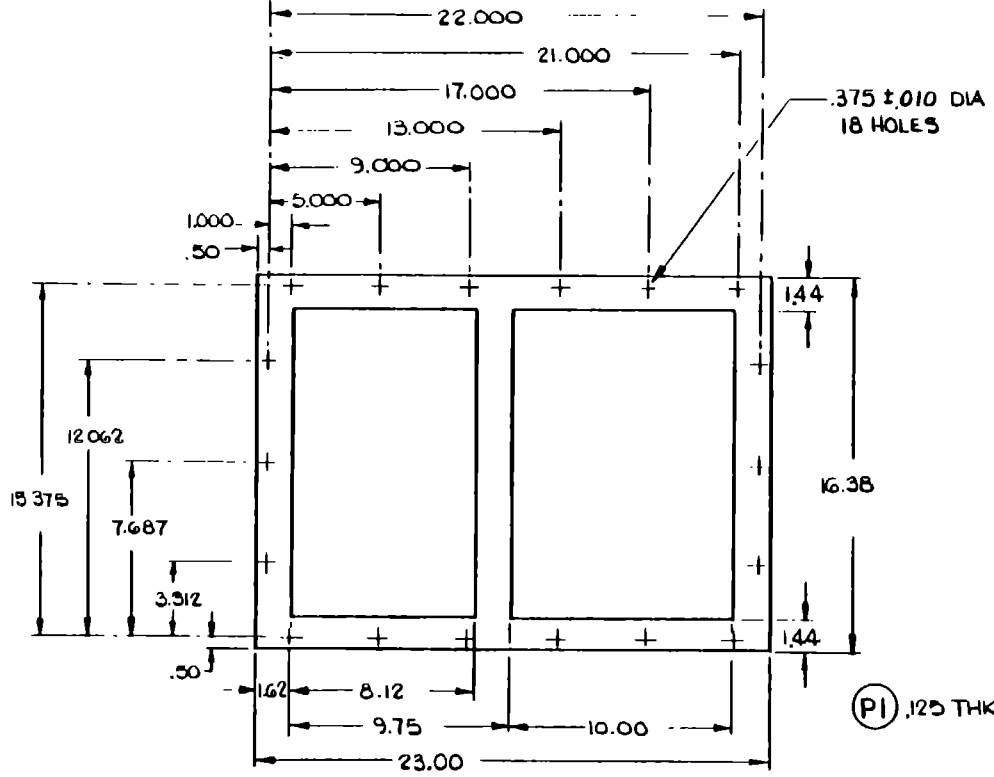
3

2

WTG 508

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

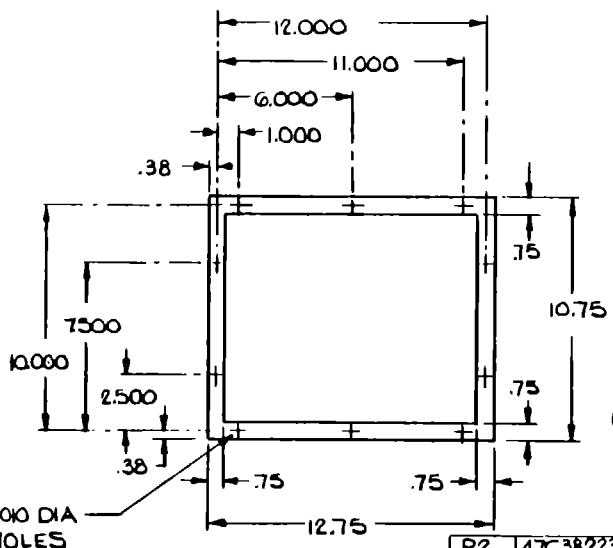
7
6
5
4
3
2
1
E
D
C
B
A



.375 ± .010 DIA
18 HOLES

(P1) .125 THK

- NOTES:
- 1-DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 - 2-MARK "GE 47C382234 P_" IN A CONTRASTING COLOR.



(P2) .125 THK.

.187 ± .010 DIA
10 HOLES

P2	47C382235	
P1	47E387062	
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES—
TOLERANCES ON
2 PLACE DECIMALS ± .03
3 PLACE DECIMALS ± .020
ANGLES ±
FRACTIONS ±
ALL SURF
MATERIAL—
CEMENT COATED
SPONGE RUBBER
G.E. A12A9B2
(MEDIUM BLACK)

SIGNATURES				DATE	NO	BY
DRAWN	<i>JTB</i>			4	1	83
CHECKED	<i>[Signature]</i>			25	1	83
ISSUED	<i>[Signature]</i>			16	3	83
BY	<i>[Signature]</i>			25	1	83
BY	<i>[Signature]</i>			28	1	83
BY	<i>[Signature]</i>			27	1	83
BY	<i>[Signature]</i>			15	3	83
BY	<i>[Signature]</i>			27	1	83

GENERAL ELECTRIC
AEP DEPT LOC. KING OF PRUSSIA, PA

**GASKETS,
HEAT EXCHANGER AIR DUCT
(MOD-5A-WTG)**

SIZE CODE IDENT NO
C 47C382234

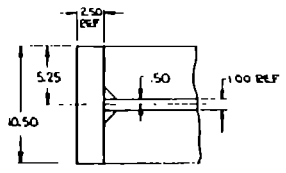
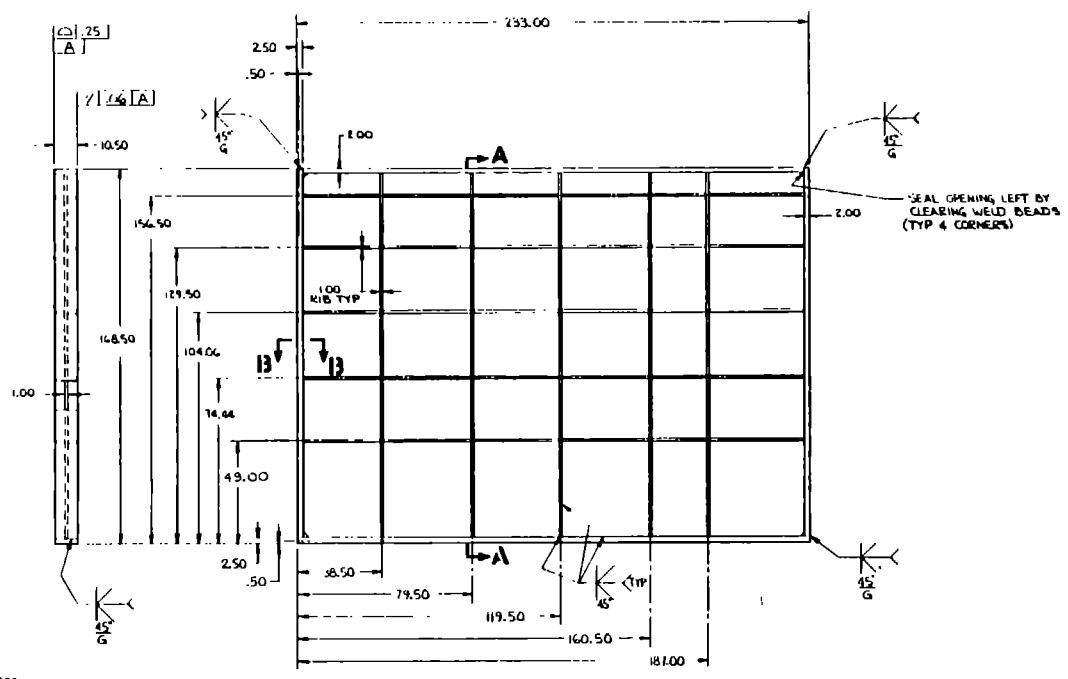
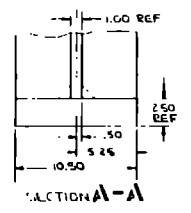
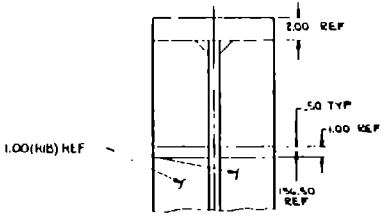
SCALE 1/4 SHEET 1 OF 1

7
6
5
4
3
2
1
E
D
C
B
A

SIZE C 47C382234 REV

WTG-512

DATE	ISSUED	BY	APPROVED
10/15/50			
REVISIONS		DATE	BY
A	REVISED FROM DRAWING 47E38226A	10/15/50	



SECTION B-B
SCALE 1/4

- NOTES:
- DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
 - REMOVE ALL BURRS AND SHARP EDGES.
 - MARK PART NO. "GE 47E38226A" WITH INK STAMP OF CONTRASTING COLOR.
 - TOLERANCES:
(a) LOCATION OF PARTS SHALL BE HELD WITHIN $\pm .12$.
(b) OVERALL DIMENSIONS SHALL BE HELD WITHIN $\pm .25$.
 - ALL WELDING, SURFACE PREPARATION AND INSPECTION PER G.E. SPEC. 47A380054. ALL WELDS TO BE FULL PENETRATION.
 - INTERMEDIATE PLATE AND WEB SHALL BE PERMITTED ONLY WITH FULL PENETRATION SPICE WELDS, GROUND FLUSH ON BOTH SIDES, IN VERTICAL POSITION ONLY.
 - POST WELD HEAT TREAT ENTIRE SIDE SUPPORT AFTER WELDING AND PRIOR TO FINAL MACHINING PER 47A380054 PARA 4.1.1.
 - FOR FINAL MACHINING SEE G.E. DRAWING 47E382265.
 - DEGREASE, CLEAN AND PRIME PER G.E. SPEC. 47A380048.
 - G.E. CO. APPROVAL OF SUPPLIER'S MANUFACTURING DRAWING IS REQUIRED PRIOR TO FABRICATION.
 - CHAMFER CORNERS TO CLEAR RADII OR WELD BEADS OF MATING PARTS BY $.12$.
 - MATERIAL
ASTM A72 GR 50 PER GE SPEC 47A380062 EXCEPT THE MAXIMUM SULFUR CONTENT TO BE 0.01% MAX.

E.F.W. = 20,470#

DATE	ISSUED	BY	APPROVED
10/15/50			
REVISIONS		DATE	BY
A	REVISED FROM DRAWING 47E38226A	10/15/50	

GENERAL NOTE: ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES AND DECIMALS THEREOF. ALL DIMENSIONS ON THIS DRAWING ARE TO BE MAINTAINED UNLESS OTHERWISE SPECIFIED. ALL DIMENSIONS ON THIS DRAWING ARE TO BE MAINTAINED UNLESS OTHERWISE SPECIFIED.

GE NOTE 12

ROTOR ADAPTER SIDE SUPPORT (WELDMENT)
WTG MOD 5A

DATE: 10/15/50
BY: [Signature]
CHECKED BY: [Signature]

SCALE: 1/4
DRAWN BY: [Signature]
NOTED BY: [Signature]

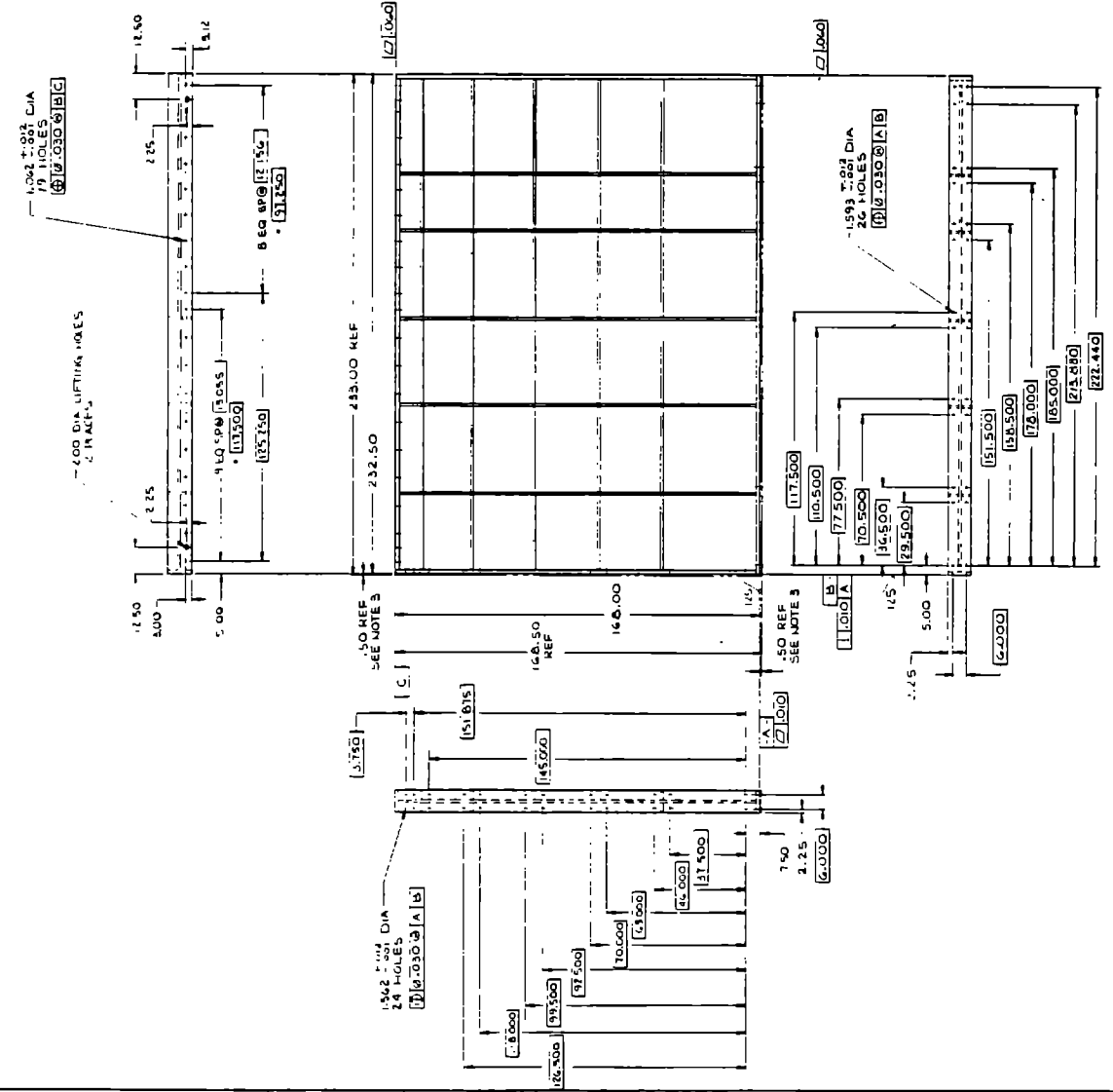
47E38226A

DATE	ISSUED	BY	APPROVED
10/15/50			

REV	DATE	BY	APP	DESCRIPTION
1				ISSUED
2				REVISED DRAWING PER ANI-1

- NOTES:
1. DRAWING 11MM AND TOLERANCES PER ANSI Y14.5.
 2. FINISH- PAINT PER GE SPEC 47A380048 SECT. 3.3 AND SECT. 2.0. MACHINED SURFACES TO BE UNFINISHED AFTER MACHINING PER SPEC 47A380048 OR SPEC-SPIO-43T. APPLY COATING TO MACHINED SURFACES PER GE SPEC. 47A380048 PARA. 4.2.
 3. FLANGE THICKNESS AFTER MACHINING SHALL NOT BE LESS THAN 2.00 IN.
 4. MARK PART "GE 47E382265P" NO. AS APPLICABLE WITH INK STAMP OF A CONTRASTING COLOR.

ORIGINAL PAGE IS
OF POOR QUALITY



(P) SHOWN
(Z) OPPOSITE

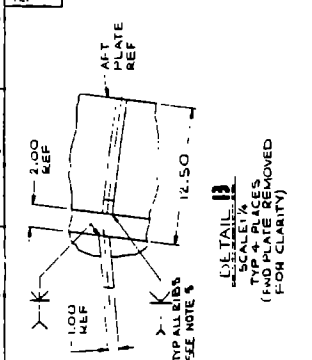
MAKE FROM 47E382264PI

REV	DATE	BY	APP	DESCRIPTION
1				ISSUED
2				REVISED DRAWING PER ANI-1

ROTOR ADAPTER
SIDE SUPPORT
MACHINING AND DRILLING

47E382265

REV. 1
 DATE 11/11/54
 BY J. L. HAYES
 CHECKED BY J. L. HAYES
 APPROVED BY J. L. HAYES
 PART NO. 47E382271



DETAIL B
 SCALE: 1/4"
 TYPICAL
 (FWD PLATE REMOVED FOR CLARITY)

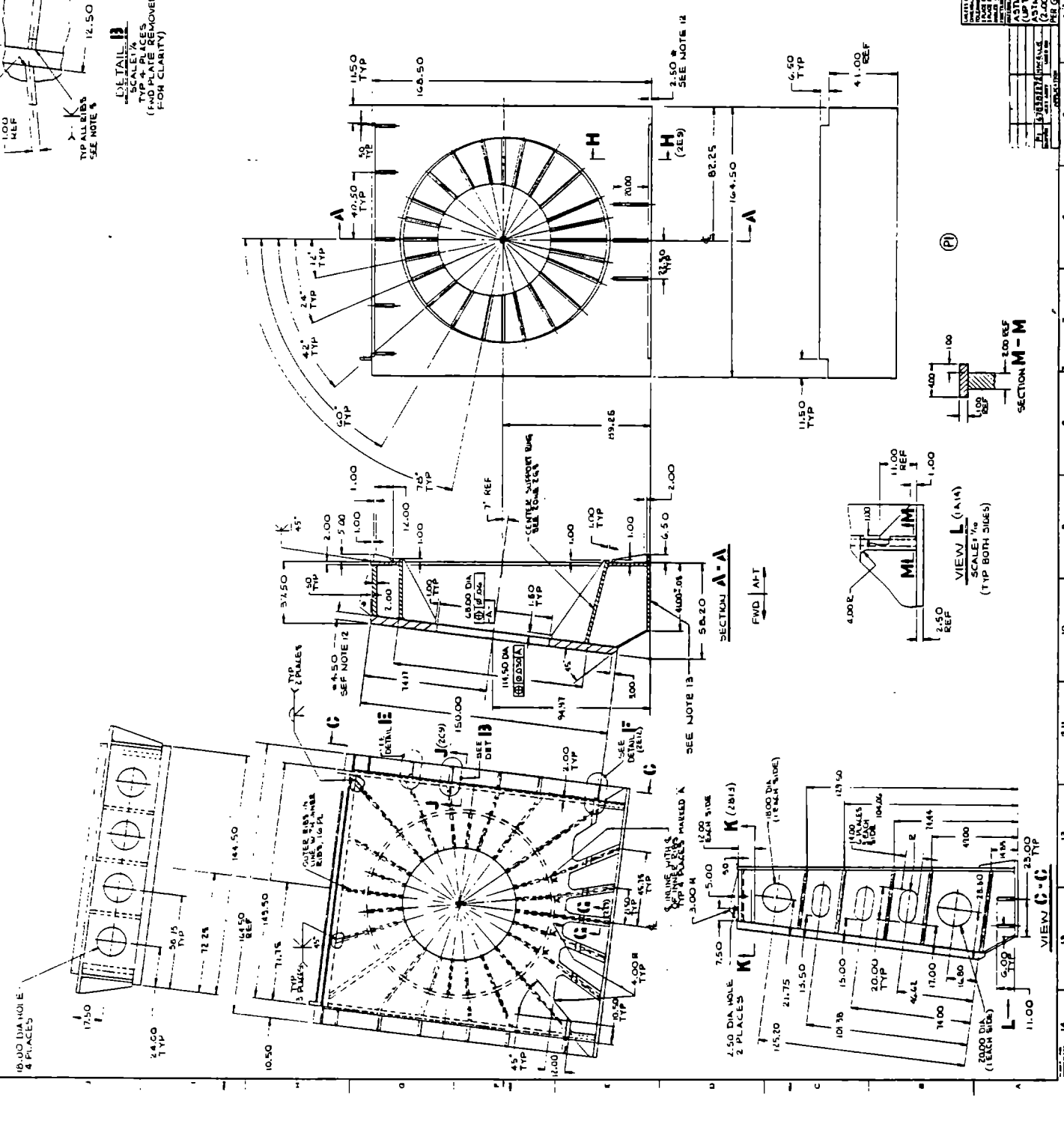
- NOTES:**
1. DRAWING TERMS AND TOLERANCES SHALL BE IN ACCORDANCE WITH MIL-STD-123.
 2. FINISH SHALL BE UNLESS OTHERWISE SPECIFIED.
 3. MARKING SHALL BE IN ACCORDANCE WITH MIL-STD-131.
 4. TOLERANCES:
 (A) LOCATION OF PARTS SHALL BE HELD WITHIN ±.12.
 (B) OVERALL DIMENSIONS TO BE HELD WITHIN ±.25.
 (C) CHAMFER CORNERS TO CLEAR BEND RADIUS ON WELD BEHOLDERS SURFACE PREPARATION AND INSPECTION PER GE SPEC. #7A350064. ALL WELDS TO BE FULL PENETRATION.
 5. INTERMEDIATE PLATE AND WEB SPLICES PERMITTED ONLY WITH FULL PENETRATION SPICE WELDS, GRIND FLUSH ON BOTH SIDES.
 6. POST WELD HEAT TREAT ENTIRE STRUCTURE AFTER FABRICATION TO PREVENT STRESS CRACKING PER GE SPEC. #7A350064.
 7. CLEAN AND DEBURR ALL SURFACES PER GE SPEC. #7A350064.
 8. GE APPROVAL OF SUPPLIER'S MANUFACTURING DRAWING IS REQUIRED PRIOR TO FABRICATION.
 9. ALL RIBS TO BE 1.00 THICK.
 10. DIMENSIONS MARKED WITH (M) ARE TO BE FINAL MACHINING DIMENSIONS ALLOWANCE PRIOR TO FINAL MACHINING.

GEORGE EASTMAN
 OPTICAL LABORATORIES

DIVISION IDENTIFICATION
 TABLE 1
 (SEE NOTE 1)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

ESTIMATED WT=56,815 LBS
 ROTOR ADAPTER STRUCTURE (WELDMENT)
 47E382271



ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES
 UNLESS INDICATED OTHERWISE
 ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN MILLIMETERS UNLESS INDICATED OTHERWISE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

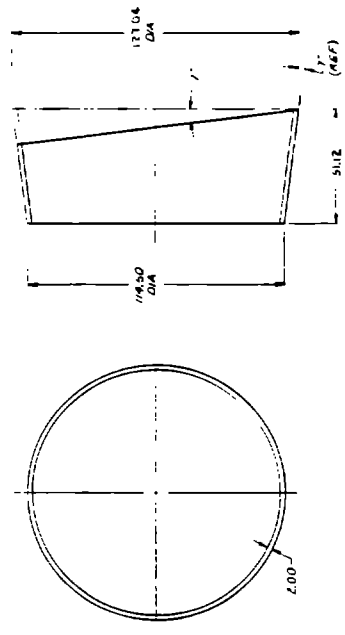
MATERIAL SPECIFICATIONS:
 1. 2024-T3 ALUMINUM (UP TO 2.00 IN THICK)
 2. 7050-T6 ALUMINUM (UP TO 2.00 IN THICK AND UP TO 2.00 IN DIA)
 PER GE SPEC. #7A350064

SECTION A-A
 FWD AFT

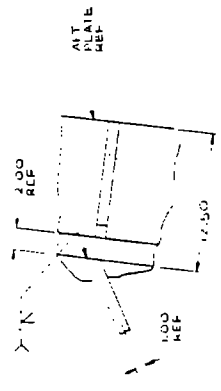
VIEW L (1:1)
 SCALE: 1/4"
 (TYP BOTH SIDES)

SECTION M-M
 REF

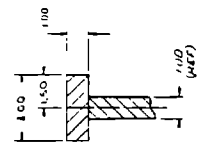
LOCATIONS ARE SHOWN IN DRAWING E-1



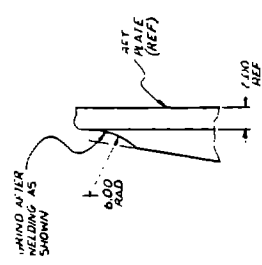
CENTER SUPPORT RING DETAIL



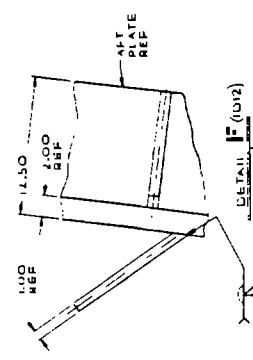
SECTION E-E (10:1)
SCALE 1/2
TYP & PLACES
(FWD PLATE REMOVED
FOR CLARITY)



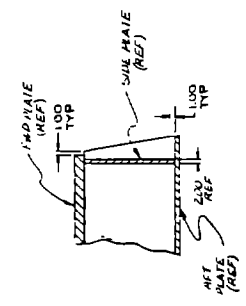
SECTION G-G (10:1)
SCALE 1/2
ROTATED 7° CCW
TYP & PLACES



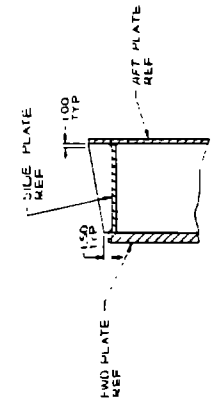
SECTION H-H (10:1)
SCALE 1/2
TYP ALL EXTERNAL
STIFFENERS ON AFT
PLATE (10 ANGLES REF)



SECTION I-I (10:1)
SCALE 1/2
TYP & PLACES
(FWD PLATE REMOVED
FOR CLARITY)



SECTION J-J (10:1)
ROTATED 7° CCW

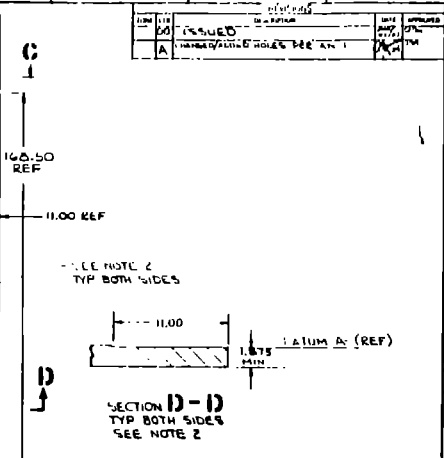
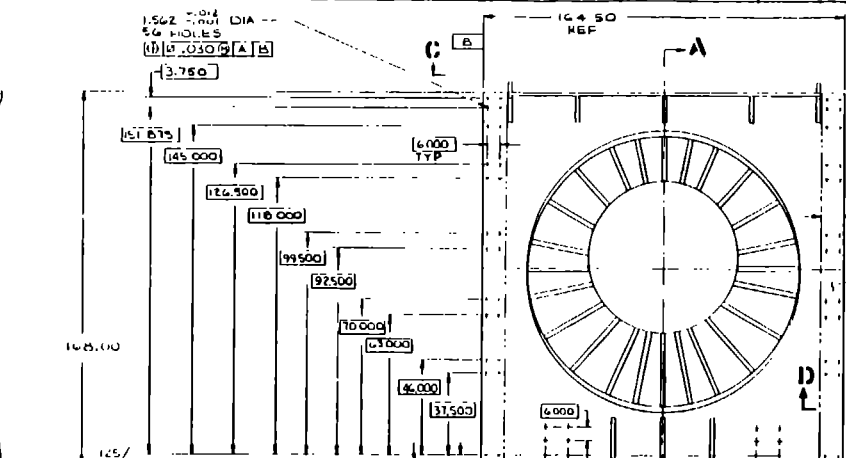
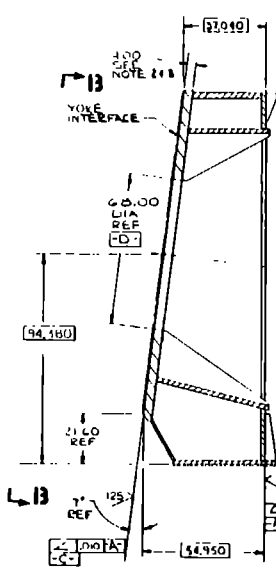


SECTION K-K (10:1)

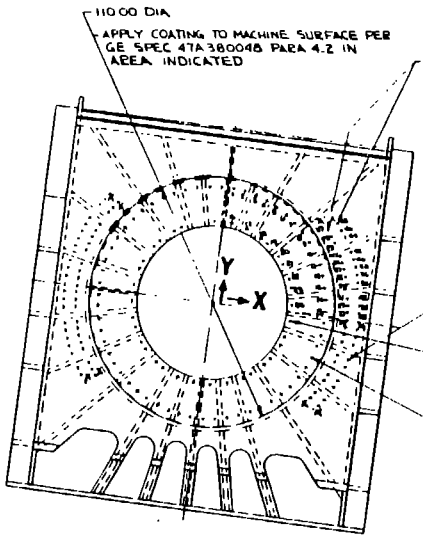
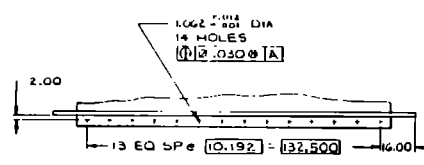
47E382271 47E382271		47E382271 47E382271	
ROTOR ADAPTER STRUCTURE (MELTING)			
47E382271			
SEE SHEET 1			

TABLE 1

HOLE	Y DIM	Z DIM	HOLE	Y DIM	Z DIM
1	8.250	51.878	25	27.250	0
2	7.611	51.440	26	27.750	0
3	13.909	50.089	27	27.164	3.257
4	18.140	48.753	28	27.657	3.546
5	24.076	46.090	29	27.908	4.506
6	28.345	43.595	30	27.379	7.082
7	32.312	40.743	31	27.483	9.738
8	37.142	36.593	32	26.916	10.598
9	40.430	32.702	33	26.028	14.111
10	43.320	28.764	34	25.441	17.535
11	46.570	23.135	35	25.203	19.236
12	48.556	18.608	36	24.434	20.936
13	50.069	13.969	37	23.115	22.508
14	51.440	7.611	38	23.250	24.279
15	51.878	3.250	39	22.868	25.319
16	3.822	36.899	40	21.893	27.554
17	11.286	34.711	41	20.465	28.261
18	17.756	31.870	42	20.356	30.758
19	21.911	29.192	43	22.207	32.904
20	22.741	24.842	44	24.820	34.899
21	23.859	20.992	45	29.386	37.395
22	25.109	15.363	46	53.739	41.249
23	34.885	10.756	47	44.267	41.533
24	36.901	3.009	48	50.249	45.333



- NOTES:**
- DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
 - FINISH-PAINT PER GE SPECIFICATION 47A380048 SECT. 4.3 AND SECT. 2.0. MACHINED SURFACES ARE TO BE SANDBLASTED AFTER MACHINING PER SSPC-SP6-G3 OR SSPC-SP10-G3T. APPLY COATING TO MACHINED SURFACES PER GE SPEC 47A380048 PARA 4.2.
 - FLANGE THICKNESS AFTER MACHINING SHALL NOT BE LESS THAN 4.00 IN FOR THE YOKE INTERFACE AND 2.00 IN FOR THE BEDPLATE INTERFACE.
 - MARK PART 'GE 47E 382272P1' WITH INK STAMP OF A CONTRASTING COLOR.



- VIEW C-C**
- 1.562 +/- .012 DIA 14 HOLES MARKED A
 - 1.562 +/- .012 DIA 36 HOLES
 - 1.562 +/- .012 DIA 84 HOLES
 - 1.562 +/- .012 DIA 36 HOLES ON A 75.000 DIA B.C. B5C
 - 1.562 +/- .012 DIA 60 HOLES EQUALLY SPACED ON A 104.000 DIA B.C. B5C

VIEW B-B DIMENSIONS TYP IN ALL FOUR QUADS

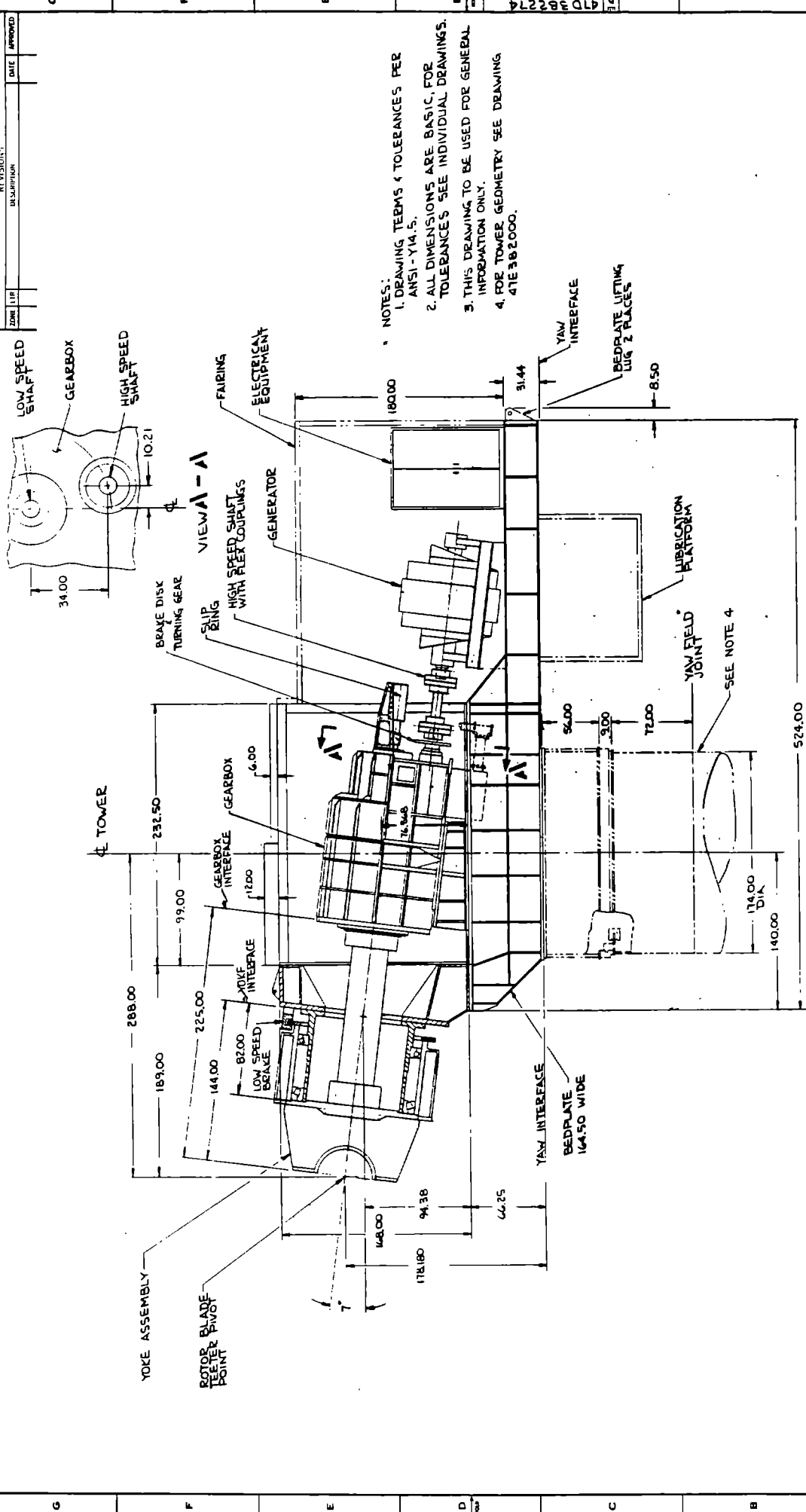
ORIGINAL PART IS OF POOR QUALITY

MAKE FROM 47E382271P1

REV	DATE	BY	CHKD
1	11/15/73	W. J.
2
3
4
5
6
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8
9
10

GENERAL INFORMATION: 47E382272P1, ROTOR ADAPTER STRUCTURE MACHINING AND DRILLING, 47E382272, 1/20, WJG-MOD 5A, SHEET 1 OF 1

11 10 9 8 7 6 5 4 3 2 1



- NOTES:
1. DRAWING TERMS & TOLERANCES PER ANSI-Y14.5.
 2. ALL DIMENSIONS ARE BASIC, FOR TOLERANCES SEE INDIVIDUAL DRAWINGS.
 3. THIS DRAWING TO BE USED FOR GENERAL INFORMATION ONLY.
 4. FOR TOWER GEOMETRY SEE DRAWING 47E382000.

NO.	DATE	BY	CHECKED	DESCRIPTION
1	11/8/85	...	...	...
2	11/21/85	...	...	...
3	12/11/85	...	...	...
4	1/15/86	...	...	...
5	1/15/86	...	...	...
6	1/15/86	...	...	...
7	1/15/86	...	...	...
8	1/15/86	...	...	...
9	1/15/86	...	...	...
10	1/15/86	...	...	...
11	1/15/86	...	...	...

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - PLACE DECIMALS ± FRACTIONS - MATERIAL

GENERAL ELECTRIC
 ACIP - 2071 - 178
 PART OF PROVISION PA
 NACELLE STRUCTURE
 GEOMETRY ENVELOPE
 MOD-5A WTG
 SIZE (CODE LIGHT NO)
 47D382274
 SCALE No 2
 SHEET 1 OF 1

5

4

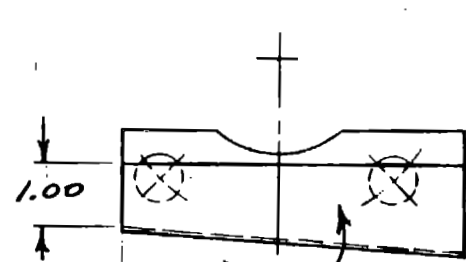
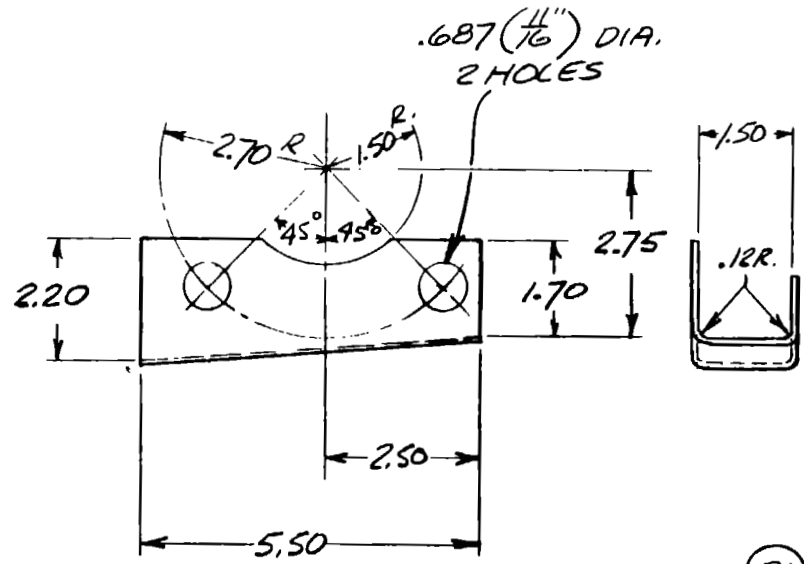
FOLD ↓

3

2

SIZE B 47B382277 SHEET 1 REV

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



- NOTES:-
1. DWG TERMS & TOLERANCES PER ANSI Y14.5
 2. REMOVE BURRS & ALL SHARP EDGES.
 3. MARK "47B382277 P1 OR P2 WITH RUBBER STAMP OR PAINT WHERE NOTED.

- (P1) - 20 GA (.0355) THICK
- (P2) - SAME AS P1 EXCEPT OPPOSITE HAND

SUFFIX	NEXT ASSY	USED ON
P1	47E382165G	MOD SA WTG

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:				
FRACTIONS	DECIMALS	ANGLES		
± .XX ± .02 ± 1°				
.XXX ± .01				
ALL SURFACES	✓			
MATL.				
AISI 304 OR 316 STAINLESS STEEL				
SIGNATURES		DAY	MO	YR
DRAWN	<i>[Signature]</i>	27	9	83
CHECKED	<i>[Signature]</i>	27	9	83
ISSUED	<i>[Signature]</i>	19	10	83
ENGRD	<i>[Signature]</i>	29	9	83
MFG	<i>[Signature]</i>	8	10	83
MATLS	N/A			
PAO	<i>[Signature]</i>	3	10	83
STRESS	<i>[Signature]</i>	17	10	83
CHIEF ENG	N/A			

GENERAL ELECTRIC		AEP DEPT LOC KING OF PRUSSIA, PA.	
DRIP TROUGH MOD SA WTG			
SIZE	CODE IDENT NO.	47B382277	
B			
SCALE	HALF	SHEET 1 OF 1	

PRINTED IN U.S.A.

DRIP TROUGH

5

4

3

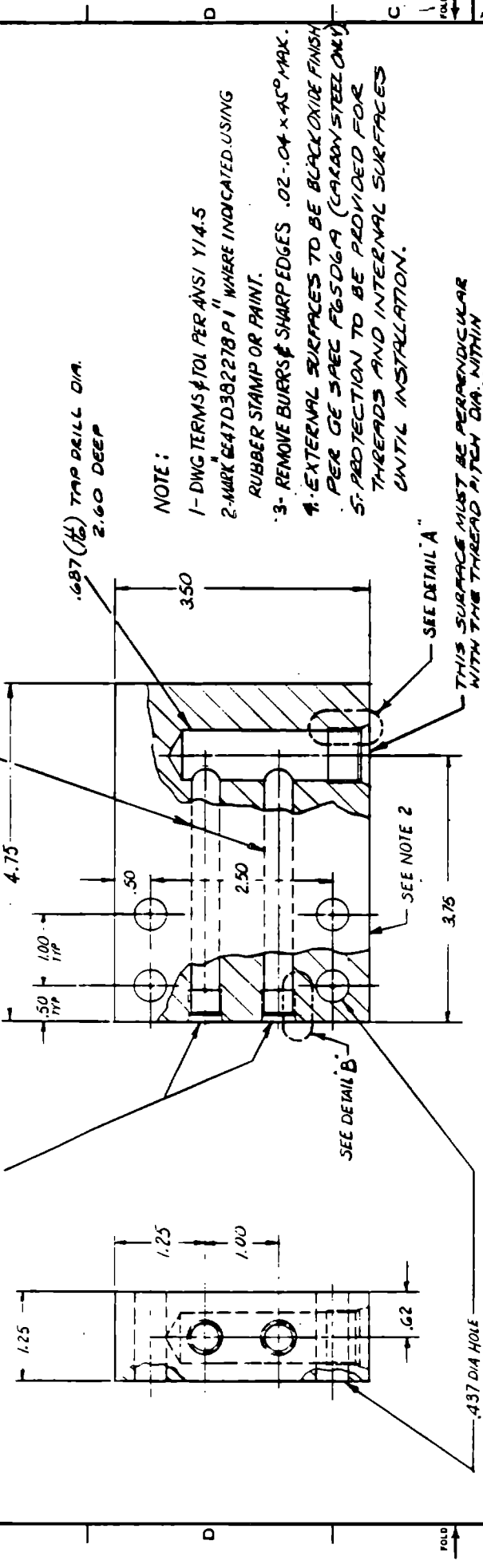
3

2

REV	DATE	APPROVED
2		

LETTER "N" (.386) TAP DRILL DIA TO FULL INTERSECTION WITH .687 DIA. HOLE

THIS SURFACE MUST BE PERPENDICULAR WITH THE THREAD PITCH DIA WITHIN .010 TIR FOR A MINIMUM OF .30 & ABOUT HOLE E



NOTE:

- 1- DWG TERMS TOL PER ANSI Y14.5
- 2- MARK ϕ AT D382278 P 1 WHERE INDICATED USING RUBBER STAMP OR PAINT.
- 3- REMOVE BURRS & SHARP EDGES .02-.04 x 45° MAX.
- 4- EXTERNAL SURFACES TO BE BLACK OXIDE FINISH PER GE SPEC FG5D6A (CARBON STEEL ONLY)
- 5- PROTECTION TO BE PROVIDED FOR THREADS AND INTERNAL SURFACES UNTIL INSTALLATION.

THIS SURFACE MUST BE PERPENDICULAR WITH THE THREAD PITCH DIA WITHIN .010 TIR FOR A MINIMUM OF .30 & ABOUT HOLE E

7500-16 UNF-2B THD. PITCH DIA .7574 ±.0005 MINOR DIA. .686

4375-20 UNF-2B THD. PITCH DIA .4400 ±.0005 MINOR DIA. .385

.62 MIN. FULL THD LG.

.50 MIN. FULL THD LG.

PI

A 005

B 005

DETAIL 'A' SCALE NONE

DETAIL 'B' (ROTATED 90° CCW) SCALE NONE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES—

2 PLACE DECIMALS ±.01 ALL SURF 3 PLACE DECIMALS ±.001 ANGLES ±.1° FRACTIONS ±.001

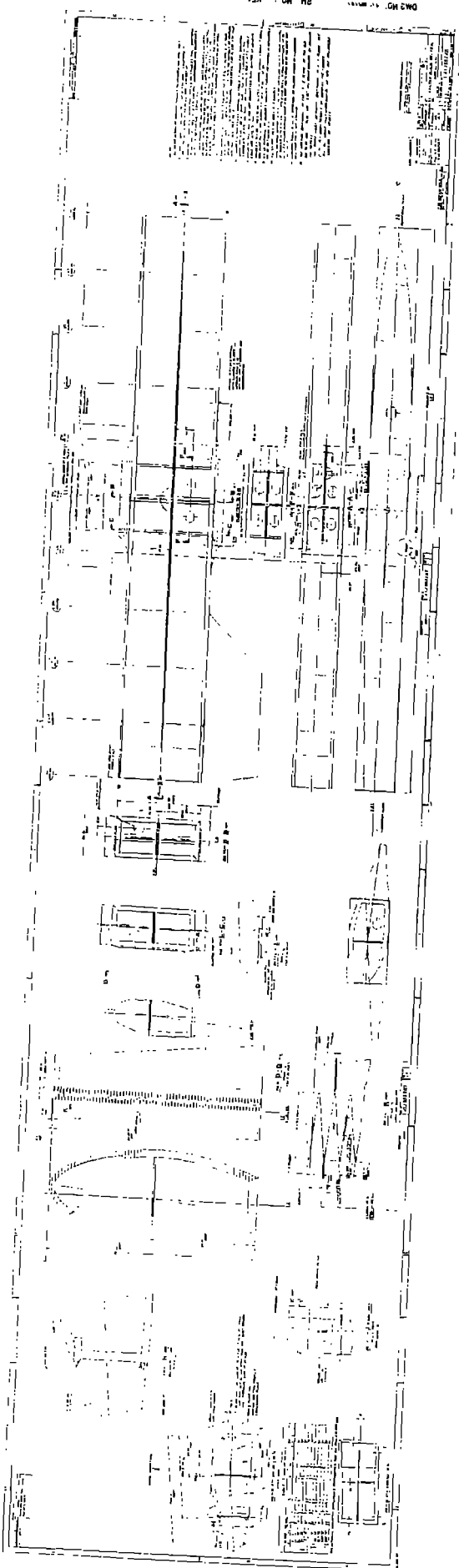
MATERIAL: CARBON STEEL OR 300 SERIES STAINLESS STEEL

SUFFIX	INTERIM	FINAL	USED ON
PI			MANIFOLD

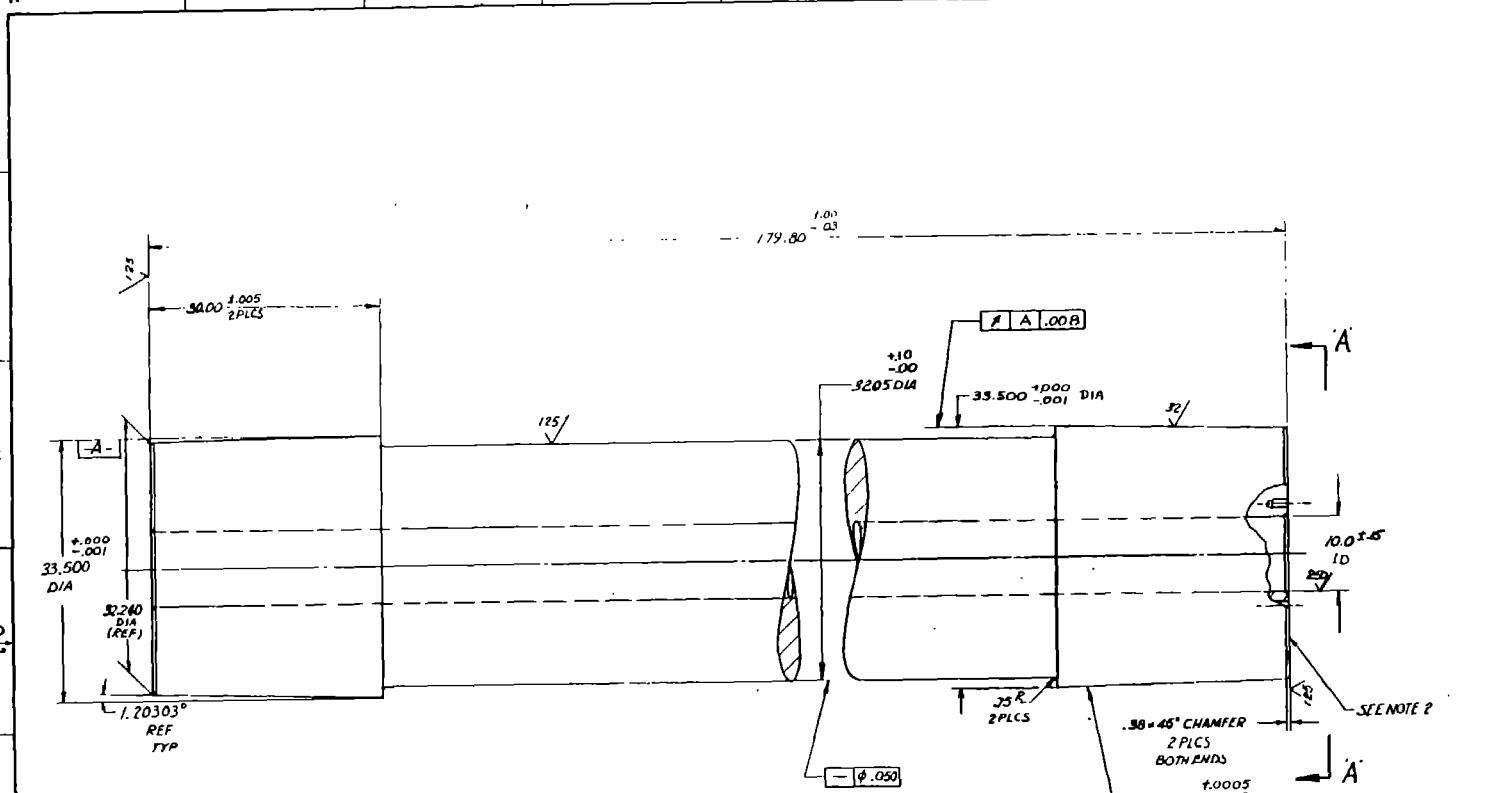
SIGNATURES	DATE	NO	BY
DESIGNED BY: [Signature]	2/19	1	PL
CHECKED BY: [Signature]	2/20	2	PL
ISSUED BY: [Signature]	4/5	3	PL
BY: [Signature]	2/19	4	PL
DATE: [Signature]	2/19	5	PL
BY: [Signature]	2/19	6	PL
DATE: [Signature]	2/19	7	PL

GENERAL ELECTRIC ARP - DEPT LOC.	
FITTING MANIFOLD YAW DRIVE INSTALLATION MOO-5A-WTG	
SIZE	CODE IDENT NO
C	
SCALE	1/1
47C382278	
SHEET 1 of 1	

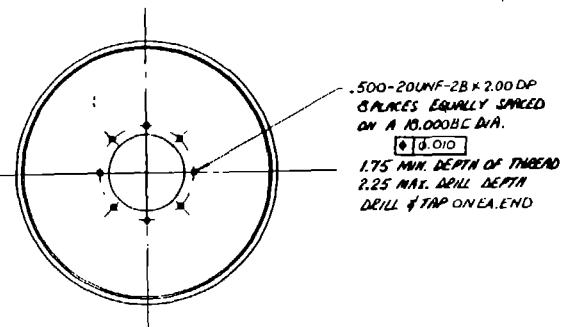
ORIGINAL PAGE IS
OF POOR QUALITY



REVISIONS		DATE	APPROVED
ZONE	ITER	DESCRIPTION	



- NOTES:
- 1- DWG TERMS ±TOL PER ANSI Y14.5
 - 2- MARK GE #7D382296 PI WHERE INDICATED USING PAINT OF CONTRASTING COLOR
 - 3- APPLY COATING TO ALL SURFACES PER GE SPEC #7A380048 PARA. 4.4
 - 4- MASTER GAUGES WILL BE PROVIDED BY GETHER COUPLING VENDOR TO CHECK TAPERS
 - 5- TAPERS BLUED TO 70% CONTACT WITH GAUGE
 - 6- EST WT = 37,600



VIEW A-A
TYP BOTH ENDS

PI	47D382296	MOD 5A
SHIPPER	NET WT	USED ON
APPLICATION		

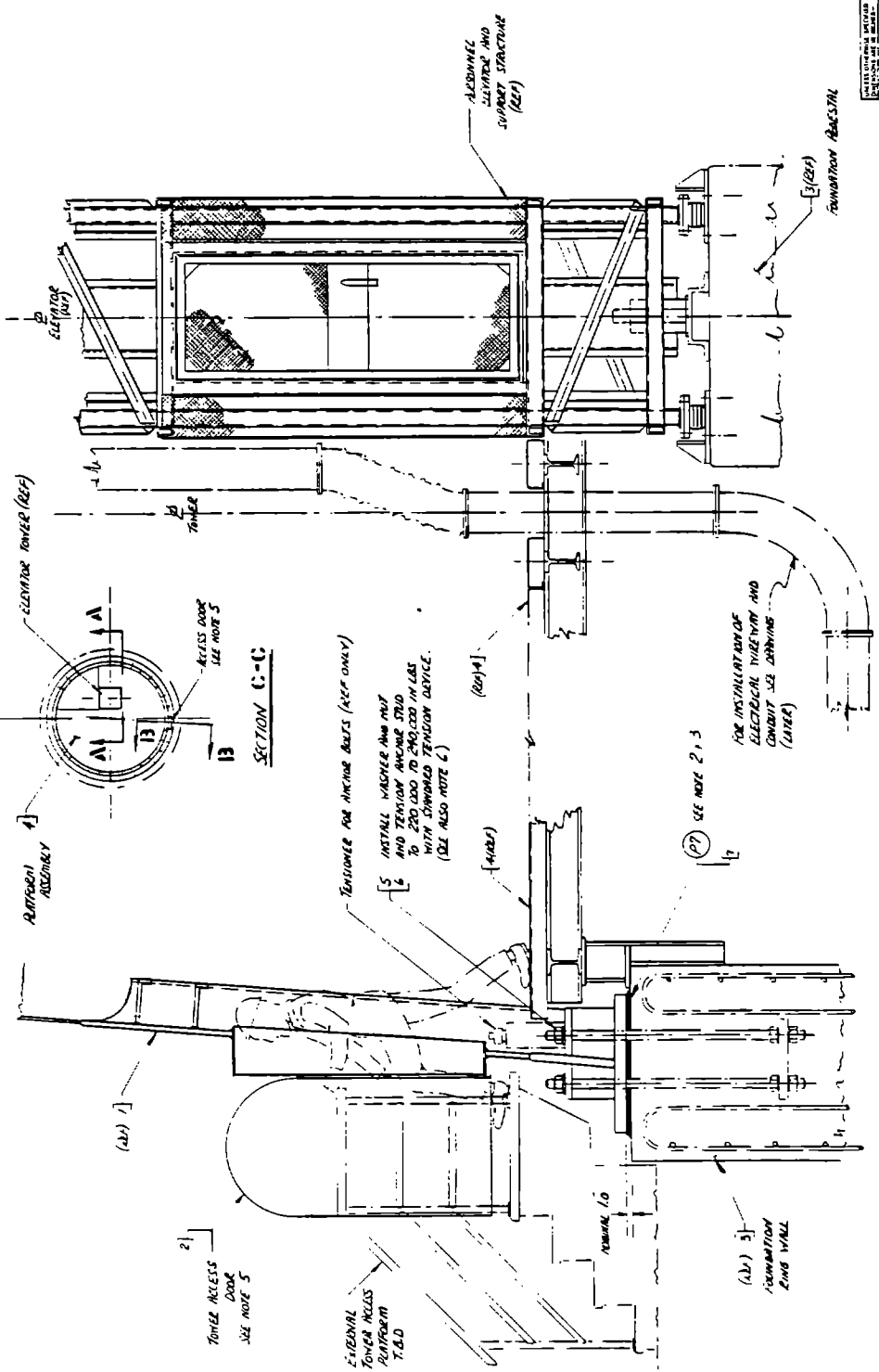
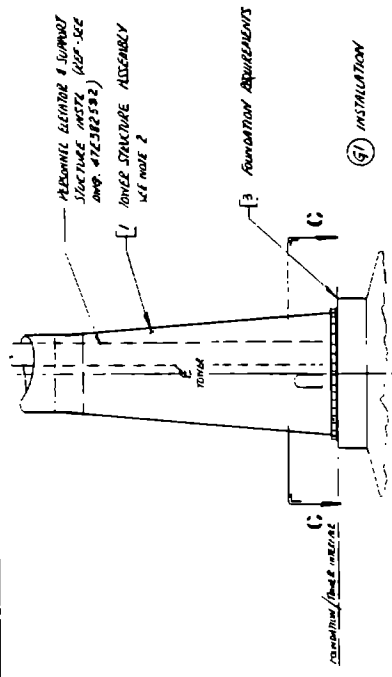
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - TOLERANCES ON 12 PLACE DECIMALS ±.02 ALL SURF 3 PLACE DECIMALS ±.010 ANGLES ± FRACTIONS ±		SIGNATURES		GENERAL ELECTRIC REP. DEPT. U.S.A. KING OF PRUSSIA, PA.																																													
MATERIAL: ASTM A508, CL 4B PER GE SPEC #7A380062 EXCEPT CHERRY WITCHEN TEST TO BE 35 F/LB AT -20°F		<table border="1"> <tr> <td>DATE</td> <td>BY</td> <td>NO.</td> <td>REV.</td> </tr> <tr> <td>27</td> <td>W. J. ...</td> <td>1</td> <td>03</td> </tr> <tr> <td>27</td> <td>...</td> <td>2</td> <td>03</td> </tr> <tr> <td>27</td> <td>...</td> <td>3</td> <td>03</td> </tr> <tr> <td>27</td> <td>...</td> <td>4</td> <td>03</td> </tr> <tr> <td>27</td> <td>...</td> <td>5</td> <td>03</td> </tr> <tr> <td>27</td> <td>...</td> <td>6</td> <td>03</td> </tr> <tr> <td>27</td> <td>...</td> <td>7</td> <td>03</td> </tr> <tr> <td>27</td> <td>...</td> <td>8</td> <td>03</td> </tr> <tr> <td>27</td> <td>...</td> <td>9</td> <td>03</td> </tr> <tr> <td>27</td> <td>...</td> <td>10</td> <td>03</td> </tr> </table>		DATE	BY	NO.	REV.	27	W. J. ...	1	03	27	...	2	03	27	...	3	03	27	...	4	03	27	...	5	03	27	...	6	03	27	...	7	03	27	...	8	03	27	...	9	03	27	...	10	03	<p>LOW SPEED SHAFT</p> <p>MOD 5A WTC</p> <p>SIZE CODE IDENT NO</p> <p>47D382296</p> <p>SCALE 1/8" = 1"</p> <p>SHEET 1</p>	
DATE	BY	NO.	REV.																																														
27	W. J. ...	1	03																																														
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27	...	10	03																																														

ORIGINAL DRAWING OF POOR QUALITY

GENERAL NOTES

1. DRAWING TOLERANCES AND DIMENSIONS ARE AS SHOWN UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
5. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
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10. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

PROJECT NO.		476382297	
DATE		11/11/87	
DRAWN BY		E	
CHECKED BY		E	
APPROVED BY		E	
SCALE		AS SHOWN	
SHEET NO.		1 OF 1	
PROJECT NAME		TOWER/FOUNDATION INSTALLATION - MUD 5A	
CLIENT		476382297	



PART SECTION A - A

PART SECTION B - B

CP SEE NOTE 2, 3

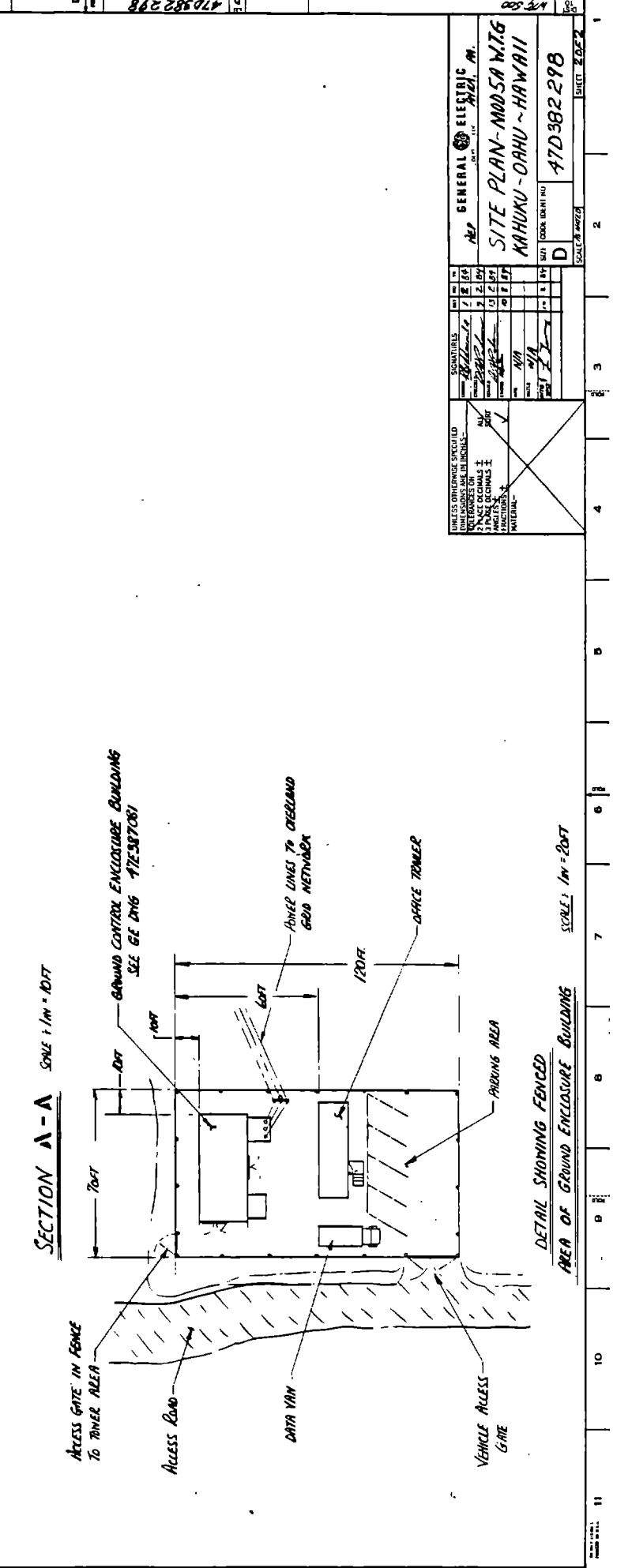
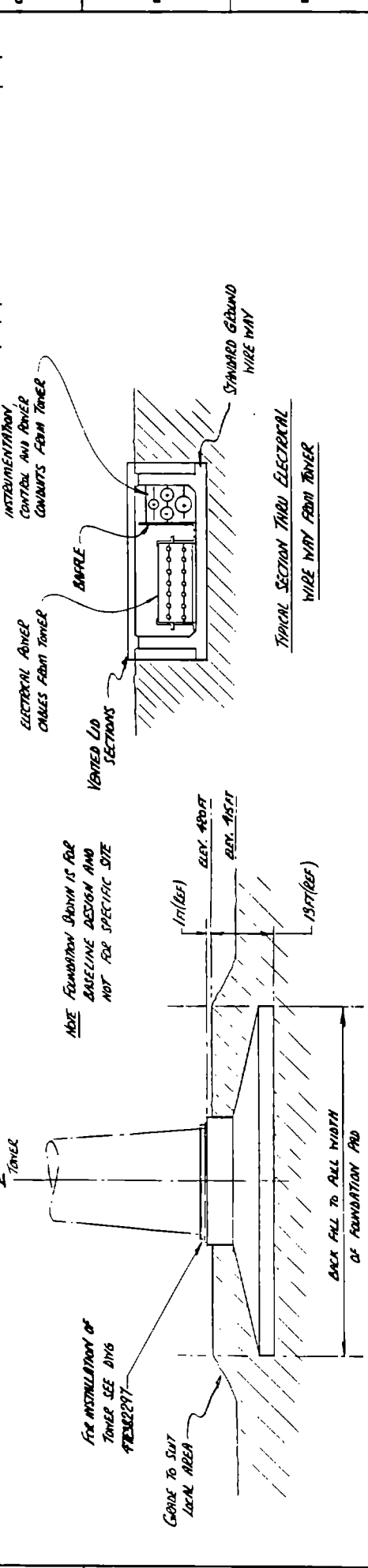
FOR INSTALLATION OF ELECTRICAL WIRING AND CONDUIT SEE DRAWING (LAYER)

INSTALL WASHER AND NUT AND TENSION ANCHOR STUD TO 250 LBS TO 250 LBS IN LBS WITH DIMENSIONED TENSION DEVICE. (SEE ALSO NOTE 6)

ALUMINUM ELEVATOR AND SUPPLY STRUCTURE (REF)

FOUNDATION BASE

NO.	DATE	DESCRIPTION	BY	APPROVED
1				
2				
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11				



NO.	DATE	DESCRIPTION	BY	APPROVED
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11				

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
3 PLACE DECIMALS ±
FRACTIONS
MATERIAL

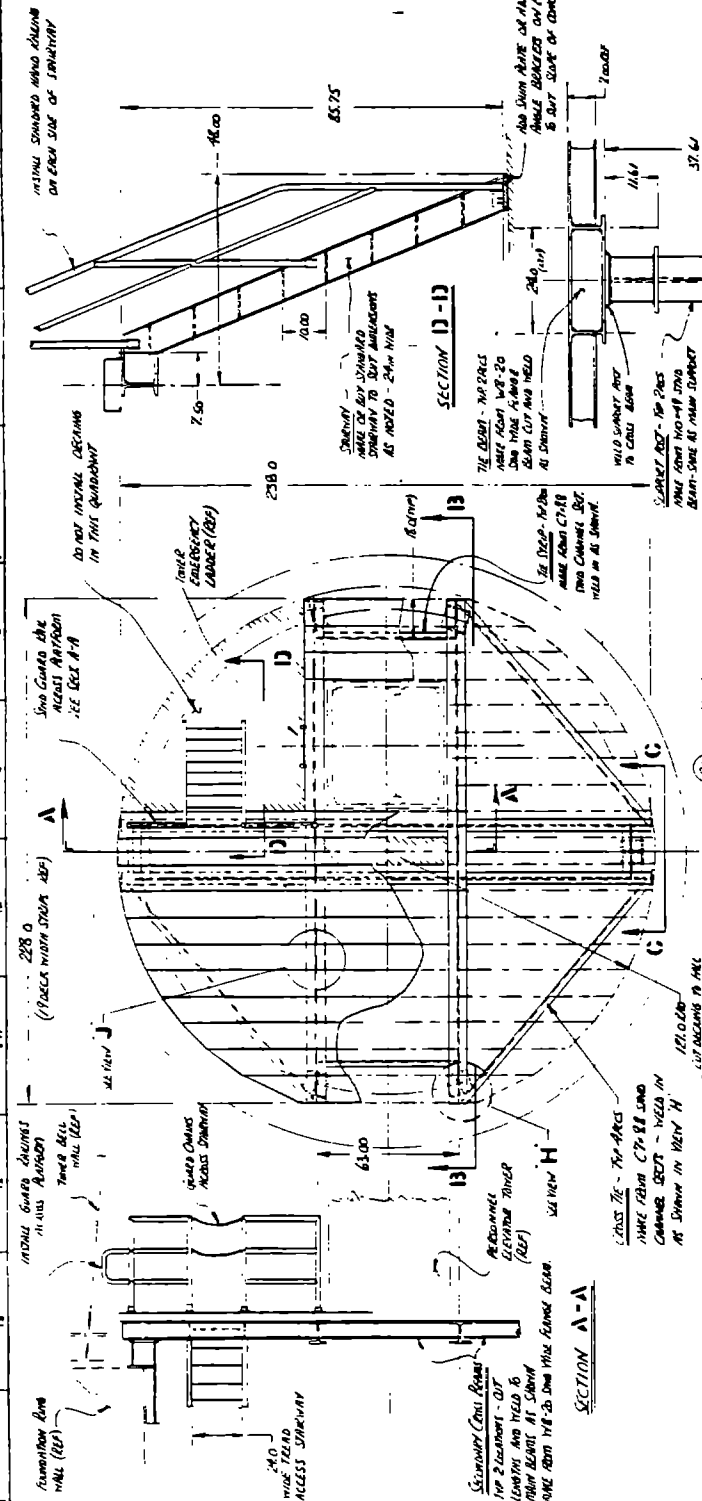
GENERAL ELECTRIC
SITE PLAN - MOUSA M.T.G.
KAHUKU - OAHU - HAWAII

SCALE: 1/4" = 1'-0"

47D382298

47D382298

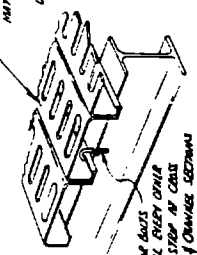
ORIGINAL PAGE 10
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GENERAL NOTES:

1. EXISTING TOWER AND REVISIONS - P.P. AND YAS
2. ALL WELDS TO BE STAINLESS STEEL OR A516
3. MATERIALS AND BASIC SIZE SEE SPECIFICATIONS ON FIELD OF DRAWING
4. ALL DIMENSIONS UNLESS OTHERWISE NOTED TO BE IN CONCRETE
5. ALL PARTS TO BE MADE TO ORDER
6. CLEAN AND PAINT AFTER WELDING PER GC SPEC. 471500000
7. FOR THIS ASSEMBLY TO BE FOUNDATION SEE GC SPEC. 472380000
8. FOR FOUNDATION DRAWING SEE GC SPEC. 472380000

INTERESTING DESIGN POINT
CONC - CONCRETE
MAY BE USED PER GC SPEC.
CONCRETE - 100 LB/CY
CONCRETE - 100 LB

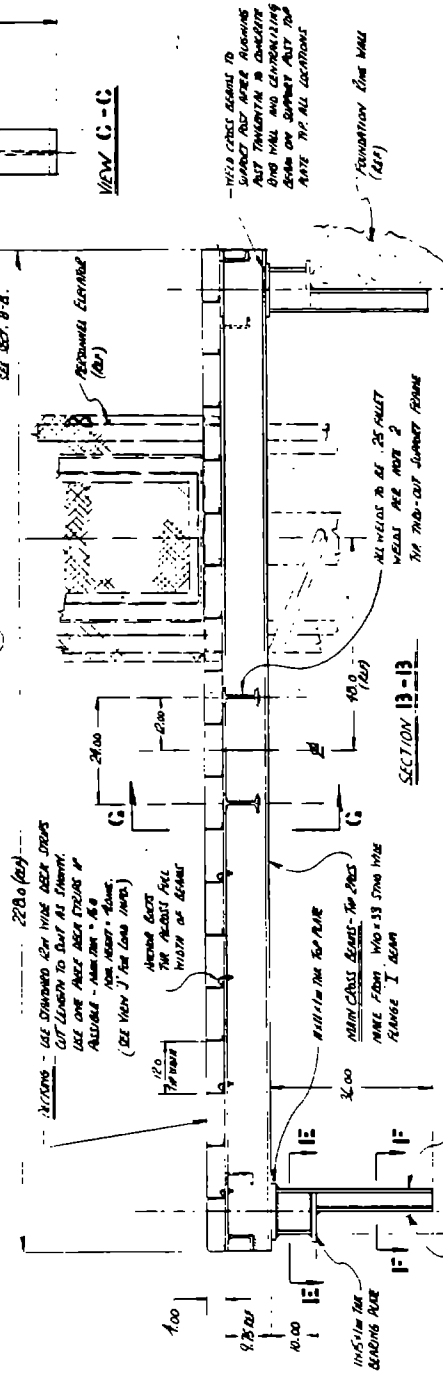


VIEW J SCALE 1/4" = 1'-0"

NO.	DATE	BY	CHKD.	DESCRIPTION
1				
2				
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6				
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8				
9				
10				

AS NOTED ON DWG
47E 38 2303
DATE 10/1/74

SCALE 1/4" = 1'-0"
VIEW H SCALE 1/4" = 1'-0"
VIEW G SCALE 1/4" = 1'-0"
VIEW F SCALE 1/4" = 1'-0"
VIEW E SCALE 1/4" = 1'-0"
VIEW D SCALE 1/4" = 1'-0"
VIEW C SCALE 1/4" = 1'-0"
VIEW B SCALE 1/4" = 1'-0"
VIEW A SCALE 1/4" = 1'-0"



GENERAL NOTES:

1. EXISTING TOWER AND REVISIONS - P.P. AND YAS
2. ALL WELDS TO BE STAINLESS STEEL OR A516
3. MATERIALS AND BASIC SIZE SEE SPECIFICATIONS ON FIELD OF DRAWING
4. ALL DIMENSIONS UNLESS OTHERWISE NOTED TO BE IN CONCRETE
5. ALL PARTS TO BE MADE TO ORDER
6. CLEAN AND PAINT AFTER WELDING PER GC SPEC. 471500000
7. FOR THIS ASSEMBLY TO BE FOUNDATION SEE GC SPEC. 472380000
8. FOR FOUNDATION DRAWING SEE GC SPEC. 472380000

INTERESTING DESIGN POINT
CONC - CONCRETE
MAY BE USED PER GC SPEC.
CONCRETE - 100 LB/CY
CONCRETE - 100 LB

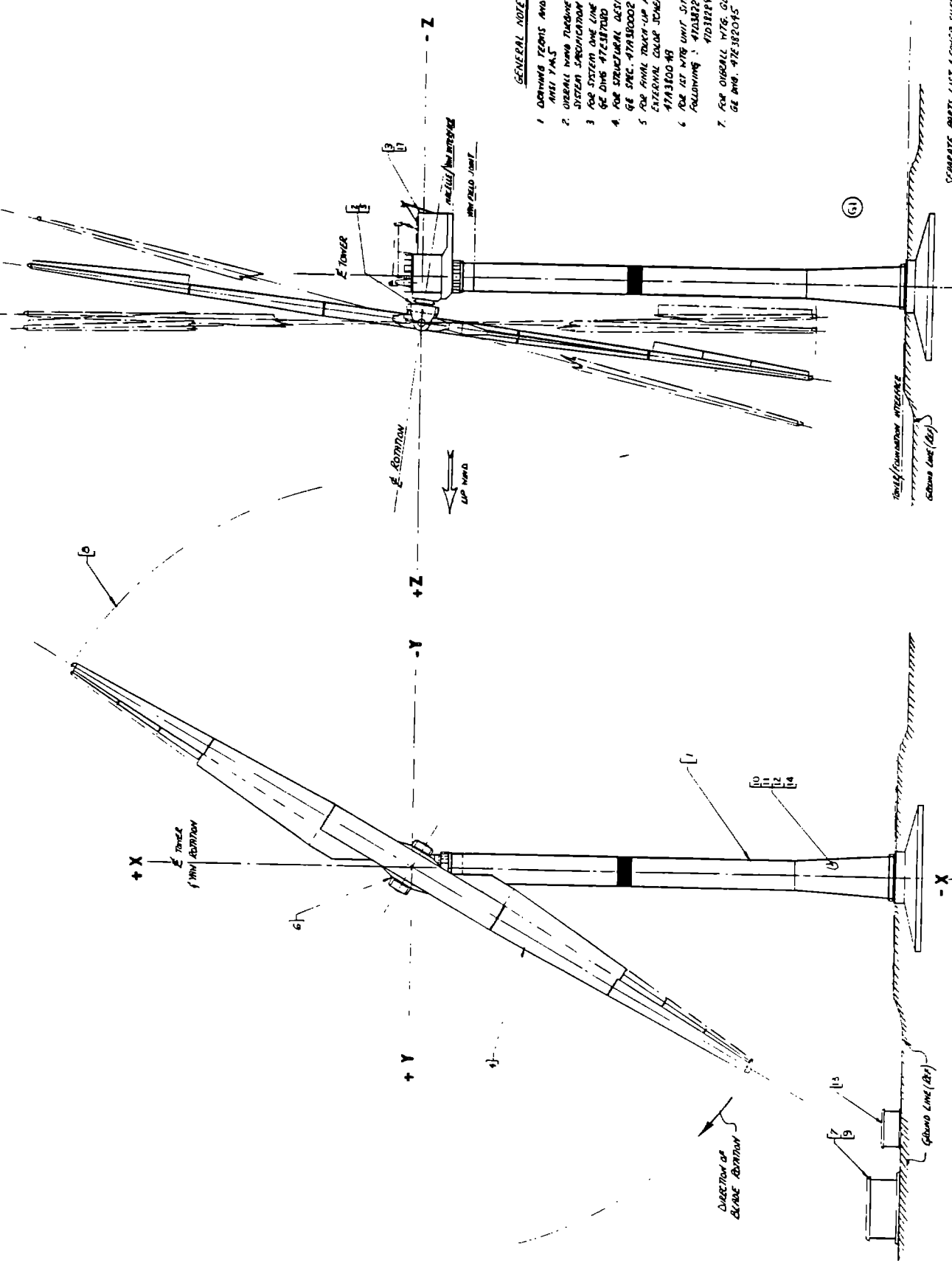


VIEW J SCALE 1/4" = 1'-0"

NO.	DATE	BY	CHKD.	DESCRIPTION
1				
2				
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8				
9				
10				

AS NOTED ON DWG
47E 38 2303
DATE 10/1/74

SCALE 1/4" = 1'-0"
VIEW H SCALE 1/4" = 1'-0"
VIEW G SCALE 1/4" = 1'-0"
VIEW F SCALE 1/4" = 1'-0"
VIEW E SCALE 1/4" = 1'-0"
VIEW D SCALE 1/4" = 1'-0"
VIEW C SCALE 1/4" = 1'-0"
VIEW B SCALE 1/4" = 1'-0"
VIEW A SCALE 1/4" = 1'-0"



- GENERAL NOTES**
1. DIMENSIONS, TOLERANCES AND REFERENCES ARE UNLESS NOTED OTHERWISE.
 2. GENERAL NACELLE TORQUE TO COMPLY TO SYSTEM SPECIFICATION OF 47E382304/1.
 3. FOR SYSTEM ONE LINE DIAGRAM SEE GE DWG 47E382304.
 4. FOR STRUCTURAL DESIGN CRITERIA SEE GE SPEC. 47E382304.
 5. FOR FINAL TORQUE-UP PRINTING AND EXTERNAL COLOR TOLERANCE SEE GE SPEC 47E382304.
 6. FOR SET WIND UNIT, SEE PLANS SEE THE FOLLOWING: 47E382304 GEN SITE PLAN 47E382304 GEN SITE PLAN.
 7. FOR OVERALL WTB GEOMETRY SEE GE DWG. 47E382304.

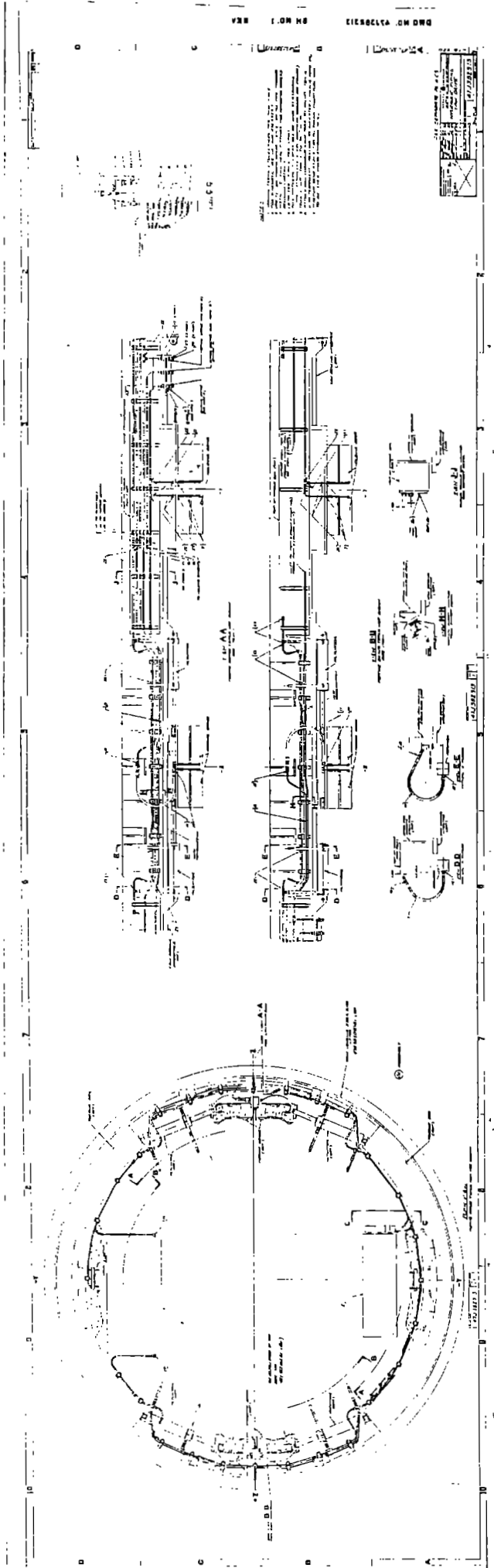
SCHEMATIC PART LIST & COVER SHEET ISSUED

REV	DATE	BY	CHKD	DESCRIPTION
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19	11/17/01
20	11/17/01

WIND TURBINE GENERATOR ASSEMBLY - MOD 5A

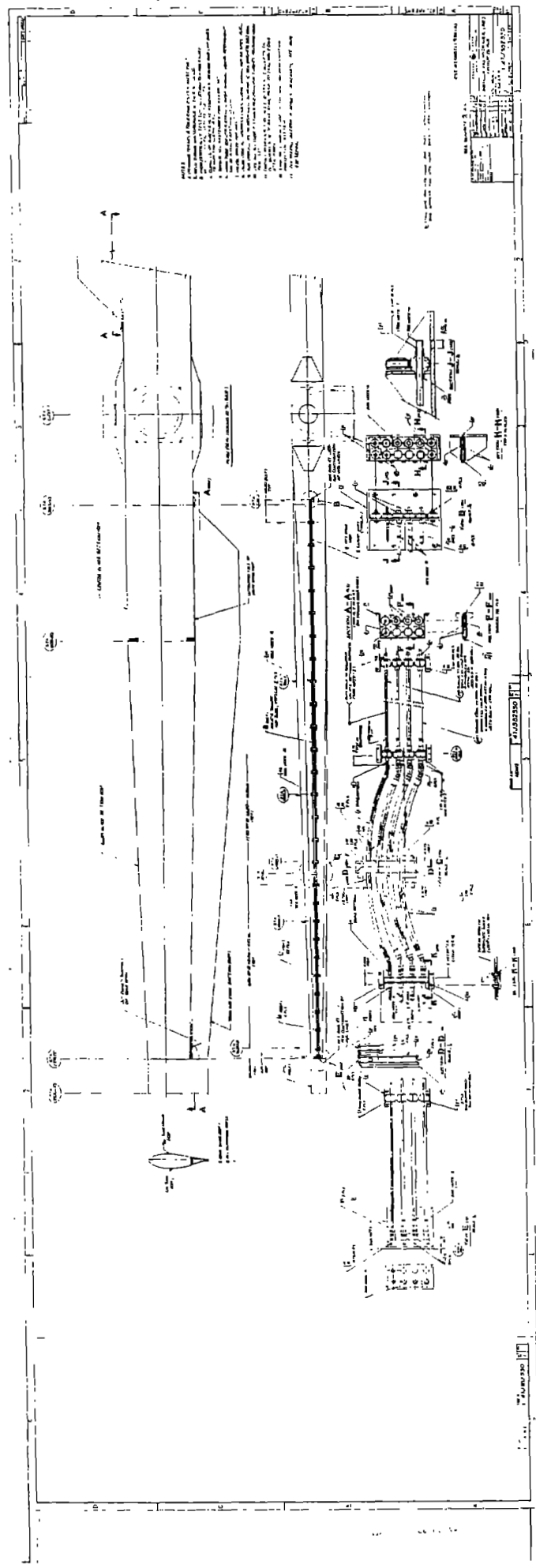
47E382304

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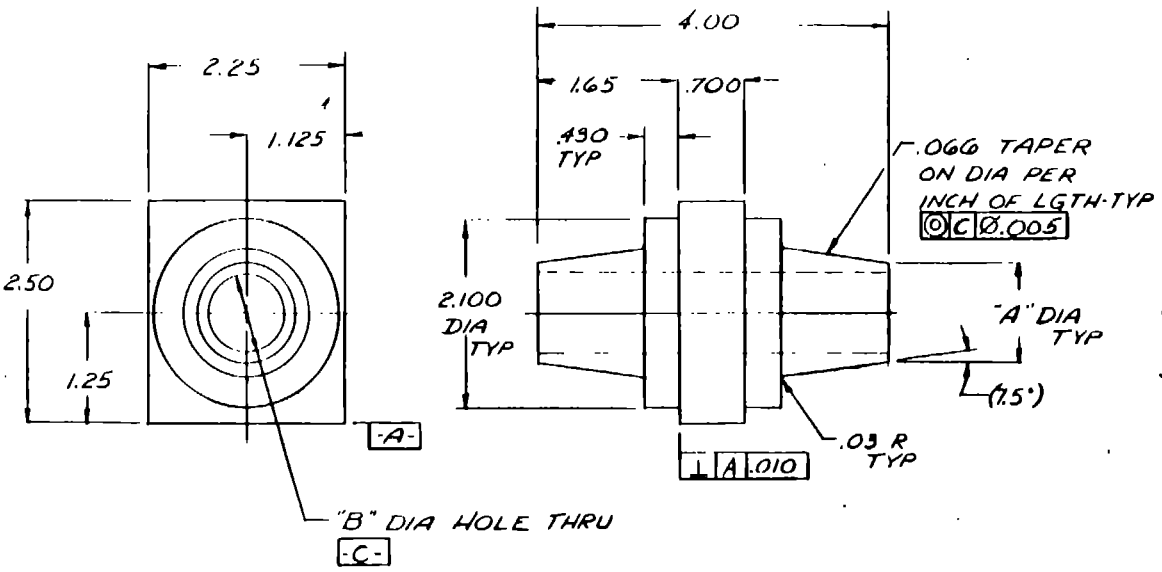
582 3 L3

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Y ₁	Y ₂	Y ₃	Y ₄	Y ₅	Y ₆	Y ₇	Y ₈	Y ₉	Y ₁₀	Y ₁₁	Y ₁₂	Y ₁₃	Y ₁₄	Y ₁₅	Y ₁₆	Y ₁₇	Y ₁₈	Y ₁₉	Y ₂₀
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.003	0.190	0.558	1.087	1.897	2.908	4.151	5.638	7.371	9.350	11.574	14.044	16.760	19.722	22.930	26.384	29.994	33.760	37.682	41.760
0.363	0.379	0.395	0.410	0.425	0.440	0.455	0.470	0.485	0.500	0.515	0.530	0.545	0.560	0.575	0.590	0.605	0.620	0.635	0.650
0.368	0.384	0.399	0.414	0.429	0.444	0.459	0.474	0.489	0.504	0.519	0.534	0.549	0.564	0.579	0.594	0.609	0.624	0.639	0.654
0.373	0.389	0.404	0.419	0.434	0.449	0.464	0.479	0.494	0.509	0.524	0.539	0.554	0.569	0.584	0.599	0.614	0.629	0.644	0.659
1.450	1.518	1.587	1.655	1.724	1.792	1.861	1.930	2.000	2.070	2.140	2.210	2.280	2.350	2.420	2.490	2.560	2.630	2.700	2.770
1.885	1.897	1.909	1.921	1.933	1.945	1.957	1.969	1.981	1.993	2.005	2.017	2.029	2.041	2.053	2.065	2.077	2.089	2.101	2.113
2.190	2.162	2.134	2.106	2.078	2.050	2.022	1.994	1.966	1.938	1.910	1.882	1.854	1.826	1.798	1.770	1.742	1.714	1.686	1.658
2.353	2.296	2.239	2.182	2.125	2.068	2.011	1.954	1.897	1.840	1.783	1.726	1.669	1.612	1.555	1.498	1.441	1.384	1.327	1.270
2.516	2.429	2.342	2.255	2.168	2.081	1.994	1.907	1.820	1.733	1.646	1.559	1.472	1.385	1.298	1.211	1.124	1.037	0.950	0.863
2.679	2.559	2.439	2.319	2.199	2.079	1.959	1.839	1.719	1.599	1.479	1.359	1.239	1.119	1.000	0.880	0.760	0.640	0.520	0.400
2.842	2.688	2.534	2.380	2.226	2.072	1.918	1.764	1.610	1.456	1.302	1.148	0.994	0.840	0.686	0.532	0.378	0.224	0.070	-0.084
3.005	2.818	2.631	2.444	2.257	2.070	1.883	1.696	1.509	1.322	1.135	0.948	0.761	0.574	0.387	0.200	0.013	-0.183	-0.379	-0.575
3.168	2.949	2.722	2.495	2.268	2.041	1.814	1.587	1.360	1.133	0.906	0.679	0.452	0.225	0.000	-0.225	-0.450	-0.675	-0.900	-1.125
3.331	3.080	2.813	2.546	2.279	2.012	1.745	1.478	1.211	0.944	0.677	0.410	0.143	-0.124	-0.391	-0.658	-0.925	-1.192	-1.459	-1.726
3.494	3.182	2.875	2.608	2.341	2.074	1.807	1.540	1.273	1.006	0.739	0.472	0.205	-0.062	-0.329	-0.596	-0.863	-1.130	-1.397	-1.664
3.657	3.305	2.958	2.691	2.424	2.157	1.890	1.623	1.356	1.089	0.822	0.555	0.288	0.021	-0.246	-0.513	-0.780	-1.047	-1.314	-1.581
3.820	3.418	3.031	2.764	2.497	2.230	1.963	1.696	1.429	1.162	0.895	0.628	0.361	0.094	-0.173	-0.440	-0.707	-0.974	-1.241	-1.508
3.983	3.531	3.104	2.837	2.570	2.303	2.036	1.769	1.502	1.235	0.968	0.701	0.434	0.167	-0.100	-0.367	-0.634	-0.901	-1.168	-1.435
4.146	3.644	3.177	2.910	2.643	2.376	2.109	1.842	1.575	1.308	1.041	0.774	0.507	0.240	-0.027	-0.294	-0.561	-0.828	-1.095	-1.362
4.309	3.757	3.250	2.983	2.716	2.449	2.182	1.915	1.648	1.381	1.114	0.847	0.580	0.313	0.046	-0.221	-0.488	-0.755	-1.022	-1.289
4.472	3.870	3.323	3.056	2.789	2.522	2.255	1.988	1.721	1.454	1.187	0.920	0.653	0.386	0.119	-0.148	-0.415	-0.682	-0.949	-1.216
4.635	3.983	3.396	3.129	2.862	2.595	2.328	2.061	1.794	1.527	1.260	0.993	0.726	0.459	0.192	-0.085	-0.352	-0.619	-0.886	-1.153
4.798	4.096	3.469	3.202	2.935	2.668	2.401	2.134	1.867	1.600	1.333	1.066	0.799	0.532	0.265	-0.002	-0.269	-0.536	-0.803	-1.070
4.961	4.209	3.542	3.275	3.008	2.741	2.474	2.207	1.940	1.673	1.406	1.139	0.872	0.605	0.338	0.071	-0.196	-0.463	-0.730	-1.000
5.124	4.322	3.615	3.348	3.081	2.814	2.547	2.280	2.013	1.746	1.479	1.212	0.945	0.678	0.411	0.144	-0.123	-0.390	-0.657	-0.924
5.287	4.435	3.688	3.421	3.154	2.887	2.620	2.353	2.086	1.819	1.552	1.285	1.018	0.751	0.484	0.217	-0.050	-0.317	-0.584	-0.851
5.450	4.548	3.761	3.494	3.227	2.960	2.693	2.426	2.159	1.892	1.625	1.358	1.091	0.824	0.557	0.290	0.023	-0.244	-0.511	-0.778
5.613	4.661	3.834	3.567	3.300	3.033	2.766	2.499	2.232	1.965	1.698	1.431	1.164	0.897	0.630	0.363	0.096	-0.171	-0.438	-0.705
5.776	4.774	3.907	3.640	3.373	3.106	2.839	2.572	2.305	2.038	1.771	1.504	1.237	0.970	0.703	0.436	0.169	-0.106	-0.373	-0.642
5.939	4.887	3.980	3.713	3.446	3.179	2.912	2.645	2.378	2.111	1.844	1.577	1.310	1.043	0.776	0.509	0.242	-0.035	-0.302	-0.571
6.102	4.999	4.053	3.786	3.519	3.252	2.985	2.718	2.451	2.184	1.917	1.650	1.383	1.116	0.849	0.582	0.315	0.048	-0.225	-0.490
6.265	5.112	4.126	3.859	3.592	3.325	3.058	2.791	2.524	2.257	1.990	1.723	1.456	1.189	0.922	0.655	0.388	0.121	-0.146	-0.419
6.428	5.225	4.199	3.932	3.665	3.398	3.131	2.864	2.597	2.330	2.063	1.796	1.529	1.262	1.000	0.733	0.466	0.199	-0.072	-0.348
6.591	5.338	4.272	4.005	3.738	3.471	3.204	2.937	2.670	2.403	2.136	1.869	1.602	1.335	1.068	0.801	0.534	0.267	0.000	-0.277
6.754	5.451	4.345	4.078	3.811	3.544	3.277	3.010	2.743	2.476	2.209	1.942	1.675	1.408	1.141	0.874	0.607	0.340	0.073	-0.206
6.917	5.564	4.418	4.151	3.884	3.617	3.350	3.083	2.816	2.549	2.282	2.015	1.748	1.481	1.214	0.947	0.680	0.413	0.146	-0.135
7.080	5.677	4.491	4.224	3.957	3.690	3.423	3.156	2.889	2.622	2.355	2.088	1.821	1.554	1.287	1.020	0.753	0.486	0.219	-0.058
7.243	5.790	4.564	4.297	4.030	3.763	3.496	3.229	2.962	2.695	2.428	2.161	1.894	1.627	1.360	1.093	0.826	0.559	0.292	-0.087
7.406	5.903	4.637	4.370	4.103	3.836	3.569	3.302	3.035	2.768	2.501	2.234	1.967	1.700	1.433	1.166	0.900	0.633	0.366	-0.116
7.569	6.016	4.710	4.443	4.176	3.909	3.642	3.375	3.108	2.841	2.574	2.307	2.040	1.773	1.506	1.239	0.972	0.705	0.438	-0.145
7.732	6.129	4.783	4.516	4.249	3.982	3.715	3.448	3.181	2.914	2.647	2.380	2.113	1.846	1.579	1.312	1.045	0.778	0.511	-0.174
7.895	6.242	4.856	4.589	4.322	4.055	3.788	3.521	3.254	2.987	2.720	2.453	2.186	1.919	1.652	1.385	1.118	0.851	0.584	-0.203
8.058	6.355	4.929	4.662	4.395	4.128	3.861	3.594	3.327	3.060	2.793	2.526	2.259	1.992	1.725	1.458	1.191	0.924	0.657	-0.232
8.221	6.468	5.002	4.735	4.468	4.201	3.934	3.667	3.400	3.133	2.866	2.600	2.333	2.066	1.799	1.532	1.265	1.000	0.733	-0.261
8.384	6.581	5.075	4.808	4.541	4.274	3.997	3.740	3.473	3.206	2.939	2.673	2.406	2.139	1.872	1.605	1.338	1.071	0.804	-0.290
8.547	6.694	5.148	4.881	4.614	4.347	4.070	3.813	3.546	3.279	3.012	2.745	2.478	2.211	1.944	1.677	1.410	1.143	0.876	-0.319
8.710	6.807	5.221	4.954	4.687	4.420	4.143	3.886	3.629	3.362	3.095	2.828	2.561	2.294	2.027	1.760	1.493	1.226	0.959	-0.348
8.873	6.920	5.294	5.027	4.760	4.493	4.216	3.959	3.712	3.445	3.178	2.911	2.644	2.377	2.110	1.843	1.576	1.309	1.042	-0.377
9.036	7.033	5.367	5.100	4.833	4.566	4.289	4.032	3.785	3.518	3.251	2.984	2.717	2.450	2.183	1.916	1.649	1.382	1.115	-0.406
9.199	7.146	5.440	5.173	4.906	4.639	4.362	4.105	3.858	3.591	3.324	3.057	2.790	2.523	2.256	1.989	1.722	1.455	1.188	-0.435
9.362	7.259	5.513	5.246	4.979	4.712	4.435	4.178	3.931	3.664	3.397	3.130	2.863	2.596	2.329	2.062	1.795	1.528	1.261	-0.464
9.525	7.372	5.586	5.319	5.052	4.785	4.508	4.251	4.004	3.757	3.490	3.223	2.956	2.689	2.422	2.155	1.888	1.621	1.354	-0.493
9.688	7.485	5.659	5.392	5.125	4.858	4.581	4.324	4.077	3.830	3.563	3.296	3.029	2.762	2.495	2.228	1.961	1.694	1.427	-0.522
9.851	7.598	5.732	5.465	5.198	4.931	4.654	4.397	4.150	3.903	3.636	3.369	3.102	2.835	2.568	2.301	2.034	1.767	1.500	-0.551
10.014	7.711	5.805	5.538	5.271	5.004	4.727	4.470	4.223	3.976	3.709	3.442	3.175	2.908	2.641	2.374	2.107	1.840	1.573	-0.580
10.177	7.824	5.878	5.611	5.344	5.077	4.800	4.543	4.296	4.049	3.782	3.515	3.248	2.981	2.714	2.447	2.180	1.913	1.646	-0.609
10.340	7.937	5.951	5.684	5.417	5.150	4.873	4.616	4.369	4.122	3.855	3.588	3.321	3.054	2.787	2.520	2.253	1.986	1.719	-0.638
10.503	8.050</																		

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



- NOTES
1. DWG TERMS & TOLERANCE PER ANSI Y14.5.
 2. IDENTIFY PART WITH A BAG OR TAG. MARK AS FOLLOWS "GE47C382335 P-" AS APPLICABLE.
 3. BREAK ALL SHARP EDGES & CORNERS .03R MAX.

PART NO.	"A" DIA	"B" DIA
P1	.75	.503 $\pm .002$ - .000
P2	1.12	.877 $\pm .002$ - .000

PART NO.	REV	DATE	BY	APP
P2	47J382330	MOD 5A		
P1	47J382330	MOD 5A		
SUFFIX	NEXT ASSY	USED ON		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES—
TOLERANCES ON
2 PLACE DECIMALS $\pm .02$ ALL
3 PLACE DECIMALS $\pm .010$ SURF
ANGLES \pm SURF
FRACTIONS \pm SURF

MATERIAL—
CRES TY 304L OR
316L PER ASTM—
A276

SIGNATURES	DATE	MO	YR
DRAWN <i>H. Johnson</i>	28	6	53
CHECKED <i>R. Johnson</i>	2	8	53
ISSUED <i>H. Johnson</i>	5	6	54
ENGRD <i>H. Johnson</i>	5	10	54
MFG			
MATLS	N/A		
P.A.			
STRESS			
2nd BY <i>H. Johnson</i>	19	8	53

GENERAL ELECTRIC
AEP DEPT LOC. KING OF PRUSSIA PA

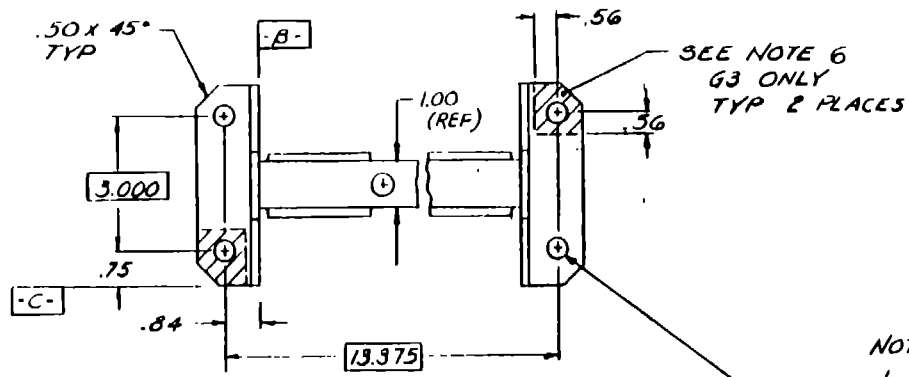
TUBE ADAPTER

(MOD 5A - WTG)
SIZE CODE IDENT NO
C 47C382335

SCALE 1/1 SHEET 1 OF 1

REV C 47C382335 WTG - 500

ZONE		LTR		DESCRIPTION	DATE	APPROVED

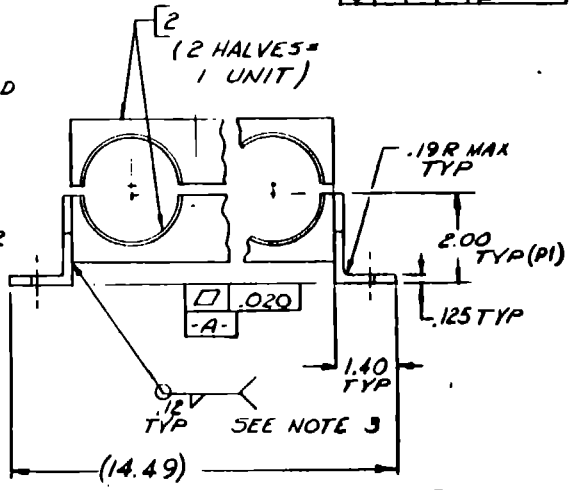
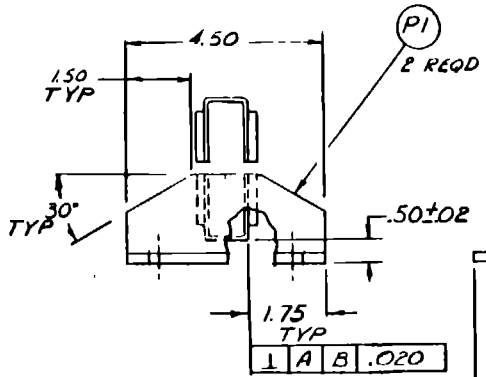


SEE NOTE 6
G3 ONLY
TYP 2 PLACES

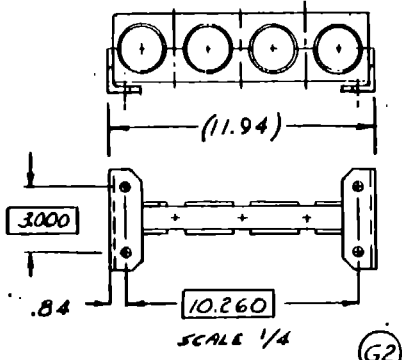
.406^{+0.004}_{-.001} DIA. 4 HOLES
A B C ϕ .015

NOTES

1. DRAWING TERMS & TOLERANCES PER ANSI-Y14.5.
2. MARK PART "GE47C382336G-" AS APPLICABLE. MARK WITH CONTRASTING COLOR. BAG ASSY TOGETHER.
3. WELD PER GE SPEC 47A380054.
4. BREAK ALL SHARP EDGES & CORNERS .06 R MAX.
5. FINISH PER GE SPEC 47A380102 P2(WHT)(G1 & G2).
6. FINISH G3 PER GE SPEC 47A380102 P2 (WHT) EXCEPT MOUNTING SURFACES OF ITEM 1 (DATUM "A") AND AREAS NOTED (IEA) ARE TO BE FINISHED WITH ALODINE 600 ONLY.



- G1 SEE NOTE 5
- G3 SEE NOTE 6



SAME AS G1 EXCEPT AS SHOWN

SEE SEPARATE PL & CS

SIGNATURES		DAY	MO	YR
DRAWN	<i>[Signature]</i>	26	6	83
CHECKED	<i>[Signature]</i>	2	8	83
ISSUED	<i>[Signature]</i>	5	6	81
ENGRD	<i>[Signature]</i>	5	30	84
MFG				
MATL	N/A			
SIZE				
DATE				
DATE	<i>[Signature]</i>	19	4	83

GENERAL ELECTRIC
AEP -DEPT LOC- KING OF PRUSSIA, PA

BRACKET, CLAMP
MODIFIED

(MOD 5A-WTG)

SIZE CODE IDENT NO
C 47C382336

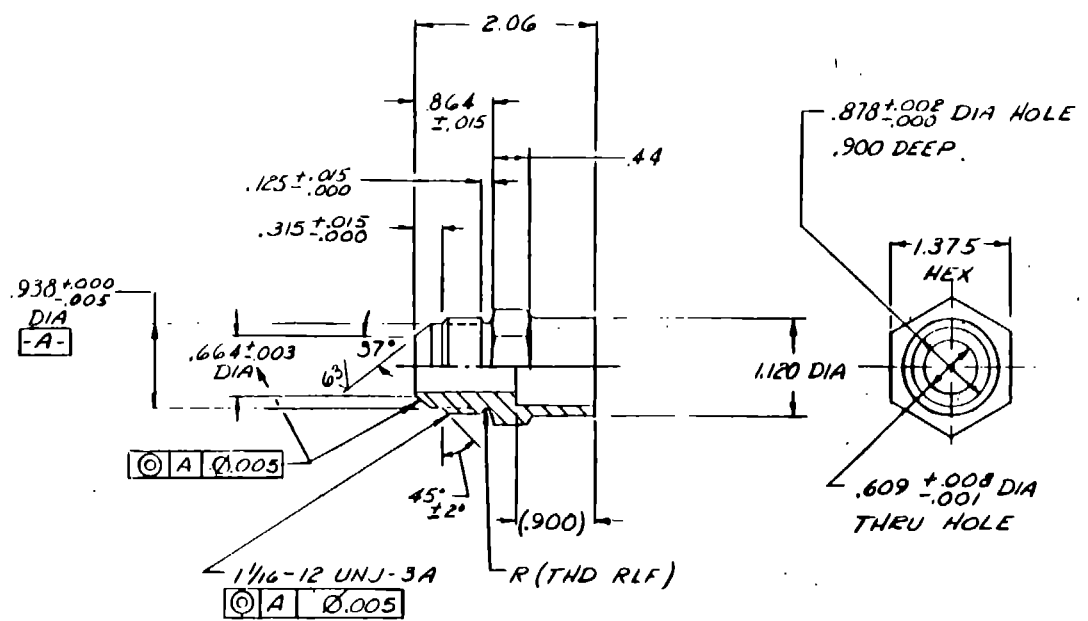
SCALE 1/2 1/4 SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES—
TOLERANCES ON
2 PLACE DECIMALS ±.02 ALL SURF
3 PLACE DECIMALS ±
ANGLES ± 1/2°
FRACTIONS ± 1/25

MATERIAL- P1-MAKE FROM
EXTD ANGLE
.125 THK.
AL ALY 6061-T6
PER ASTM-B398

REV C 47C382336 WTG 500

REVISIONS				
ZONE	TR	DESCRIPTION	DATE	APPROVED



- NOTES
1. DRAWING TERMS & TOLERANCES PER ANSI-Y14.5.
 2. IDENTIFY PART WITH BAG OR TAG. MARK "GE 47C382337PI".
 3. BREAK ALL SHARP EDGES .03 R MAX. REMOVE ALL BURRS.

(PI)

SUFFIX	NEXT ASSY	USED ON	APPLICATION
DI	471382330	MOD 5A	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ON 2 PLACE DECIMALS ± .02 ALL 3 PLACE DECIMALS ± .010 SURF ANGLES ± 0.5° FRACTIONS ± ~

SIGNATURES		DATE	NO	BY
DRAWN	<i>[Signature]</i>	27	6	87
CHECKED	<i>[Signature]</i>	2	8	87
ISSUED	<i>[Signature]</i>	5	6	87
REV. NO	<i>[Signature]</i>	29	5	87

MATERIAL— CRES, TYPE 304L OR 316L PER ASTM-A276

GENERAL ELECTRIC	
AEP DEPT LOC.	KING OF PRUSSIA PA

J.I.C. TUBE ADAPTER (MOD 5A-NIG)

SIZE	CODE IDENT NO
C	47C382337

SCALE 1/1 SHEET 1 OF 1

REV C 47C 382 337 DIST TO WJG-500

5

4

FOLD ↓

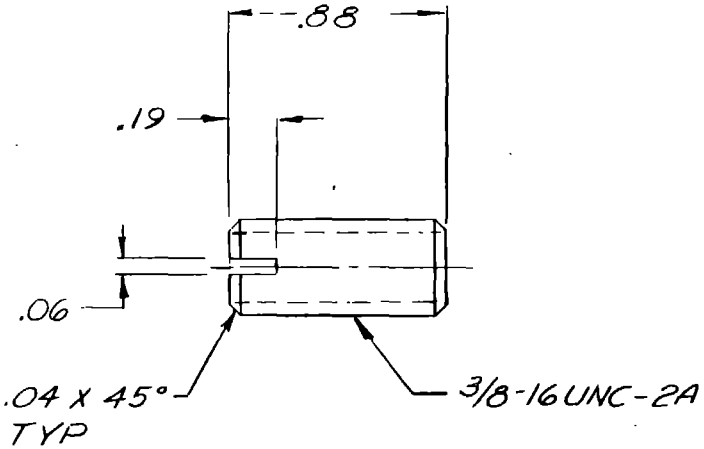
3

2

SIZE B 47B382338 SHEET REV

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
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NOTES

1. DRAWING TERMS & TOLERANCE PER ANSI-Y14.5.
2. IDENTIFY PART WITH BAG OR TAG. MARK "GE47B382338PI"
3. ZINC PLATE PER GE SPEC FT0BIA.

PI

PI	47J382330	MOD 5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:

FRACTIONS DECIMALS ANGLES ± ~ ±.01 ±2°

ALL SURFACES ✓ MATL. CARBON STL. ANSI 1018-1020

SIGNATURES		DAY	MO	YR
DRAWN	<i>[Signature]</i>	8	7	88
CHECKED	<i>[Signature]</i>	2	8	88
ISSUED	<i>[Signature]</i>	5	6	88
EMGRD	<i>[Signature]</i>	17	8	88
MATLS	N/A			
DATE	<i>[Signature]</i>	19	8	88
DATE	<i>[Signature]</i>	4	6	89

GENERAL ELECTRIC AEP - DEPT LOC. KING OF PRUSSIA, PA.

STUD, MOUNTING (MOD 5A-WTG)

SIZE CODE IDENT NO. B 47B382338

SCALE 2/1 SHEET 1 OF 1

5

4

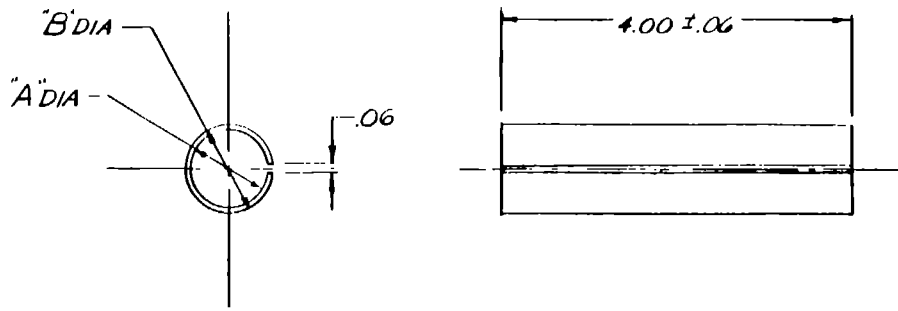
BT

3

2

SIZE C 47C382349 REV

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



NOTES
 1. DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
 2. IDENTIFY PART WITH BAG OR TAG. MARK "GE47C382349P_" PART NO. AS APPLICABLE.

PART NO.	"A" DIA	"B" DIA
P1	.88	1.00
P2	.50	.62

APPLICATION	NEXT ABBY	USED ON
P2 47J382350	MOD 5A	
P1 47J382350	MOD 5A	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES—
 TOLERANCES ON
 2 PLACE DECIMALS ± .01 ALL SURF
 3 PLACE DECIMALS ± .005
 ANGLES ± ~
 FRACTIONS ± ~

MATERIAL:
 NYLON, TYPE 66
 PER GE SPEC A1685

SIGNATURES	DATE	MO	YR
DRW: <i>[Signature]</i>	7	7	83
CHKD: <i>[Signature]</i>	2	8	83
ISSUED: <i>[Signature]</i>	5	6	84
ENGR: <i>[Signature]</i>	5	30	84
MFG			
MATL			
PA: <i>[Signature]</i>			
STRESS			
DATE: 1808	4	6	84

GENERAL ELECTRIC
 AEP DEPT LOC. KING OF PRUSSIA, PA

SLEEVE, SPLIT

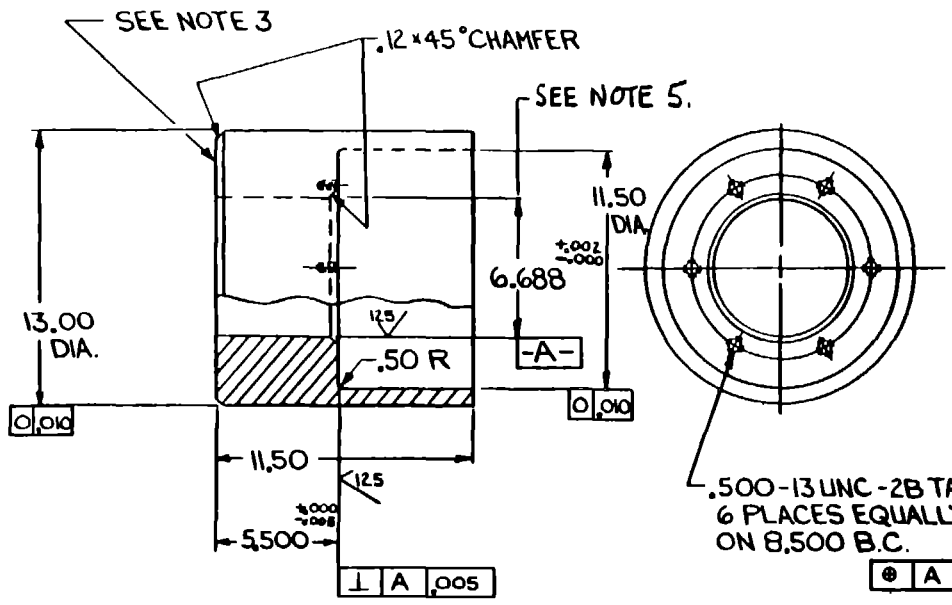
(MOD 5A-WTG)

SIZE CODE IDENT NO
 C 47C382349

SCALE 1/1 SHEET 1 OF 1

REF C 47C382349
 WTG 500
 DIS 10

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



- NOTES:
1. INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5
 2. FINISH: ZINC COAT PER GE SPEC F70B1A
 3. MARK "GE47C382350P1" WITH 1/4" LETTERS WITH METAL STAMP.
 4. REMOVE ALL BURRS AND SHARP EDGES.
 5. DIMS APPLIES AFTER FINISH PER NOTE 2

.500-13 UNC-2B TAP x 2" DEEP
6 PLACES EQUALLY SPACED
ON 8.500 B.C.

⊕ A .005

(P1)

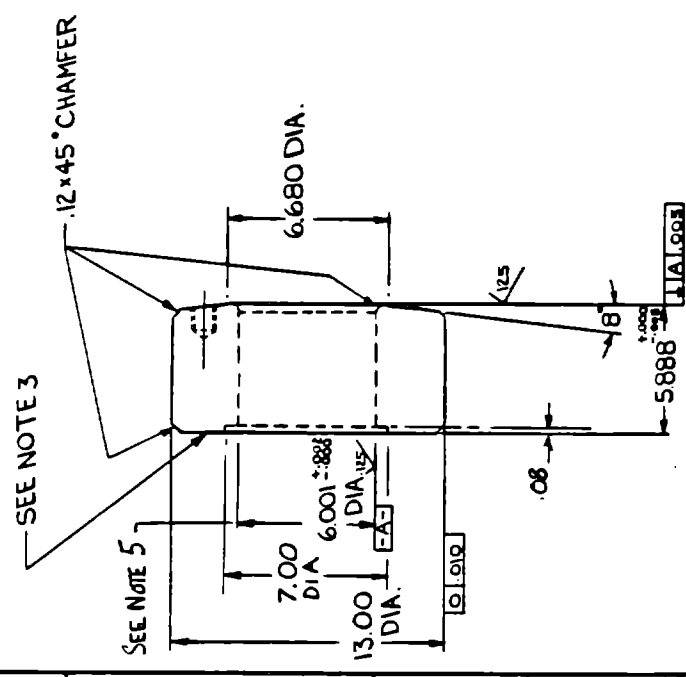
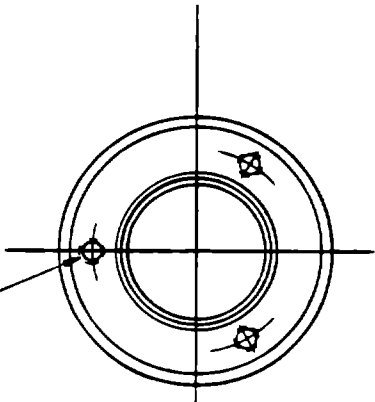
EST. WEIGHT = 212LBS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ON 2 PLACE DECIMALS ± .02 ALL SURF 3-PLACE DECIMALS ± .008 ANGLES ± 1/2° FRACTIONS ± 1/32 MATERIAL— ALLOY STEEL PER ASTM A-36	SIGNATURES			DATE	NO.	BY
	DRAWN	A. J. [Signature]		7	7	83
	CHECKED	[Signature]		22	3	83
	ISSUED	[Signature]		10	4	84
	ENGR	[Signature]		22	3	84
MATERIAL	GENERAL ELECTRIC AEP -DEPT LOC- KING OF PRUSSIA, PA					
TEETER SUPPORT OUTER MOD-5A						
SCALE NONE			SIZE	CODE IDENT NO		
			C	47C382350		
SHEET 1 OF 1						

REV C 47C382350 WTG -504

ZONE	LR	DATE	APPROVED
2			

500-13UNC-2B TAP x1.00 DEEP
 3 PLACES EQUAL SPACED ON
 A 10.000 B.C. @A|005



- NOTES:
1. INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5
 2. FINISH: ZINC COAT PER GE SPEC F70B1A
 3. MARK "GE47C382351P1" WITH 1/4" LETTERS WITH METAL STAMP.
 4. REMOVE ALL BURRS AND SHARP EDGES.
 5. DIMENSIONS ARE AFTER ZINC COATING

(P1)

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES—
 TOLERANCES ON
 2 PLACE DECIMALS ±.04
 ALL SURF
 3 PLACE DECIMALS ±.008
 ANGLES ± 1/2°
 FRACTIONS ± 1/32"
 MATERIAL—
**ALLOY STEEL
 PER ASTM A-36**

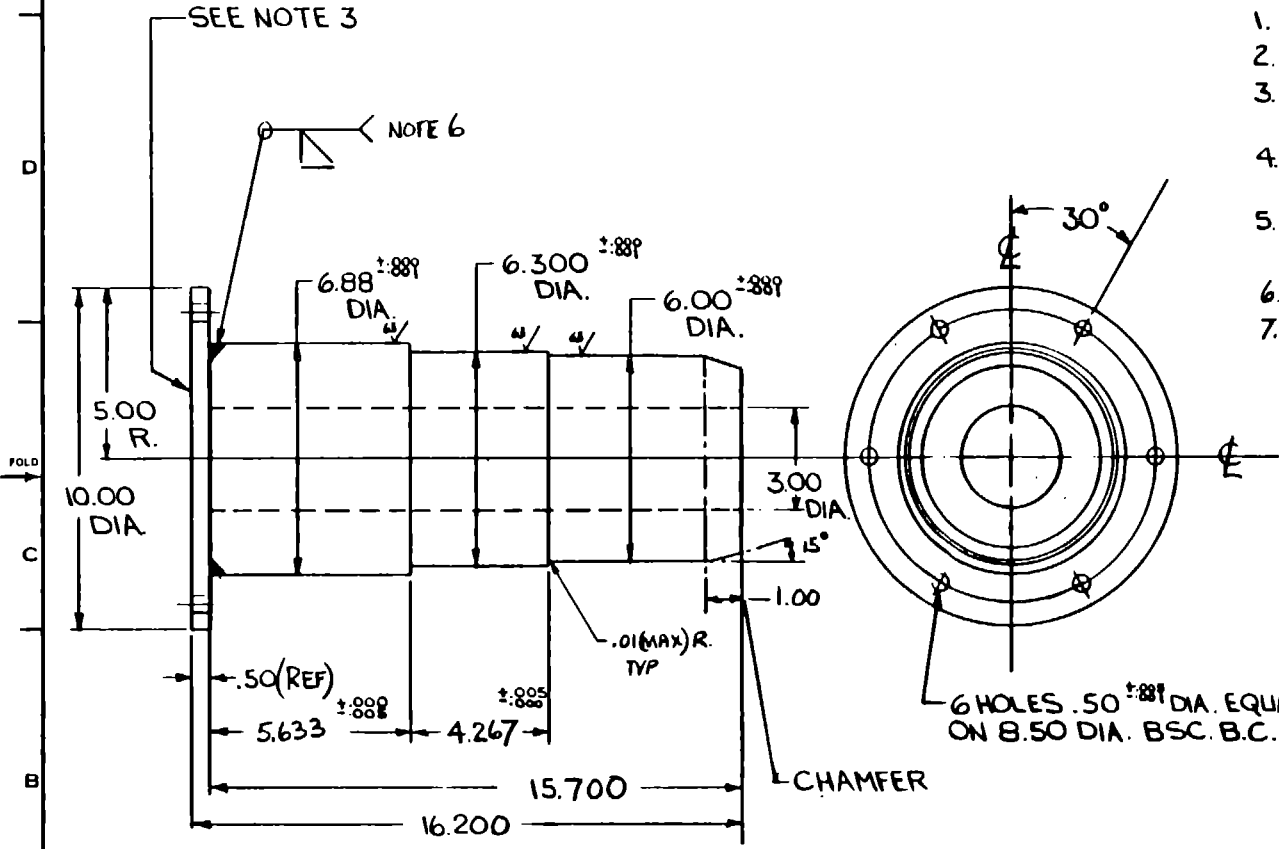
SIGNATURES	DATE	BY
DESIGNED: A. J. ...	8/7/83	BS
CHECKED: ...	2/3/84	BY
ISSUED: ...	12/1/84	BY
RECD: ...	12/1/84	BY
DRAWN: ...		
SCALE: NONE		
SIZE: C		
MOD: EA		
CODE IDENT NO:		
DATE	23	84

EST. WEIGHT = 184 LBS
GENERAL ELECTRIC
 AEP - DEPT. LOC.
TEETER SUPPORT,
 INNER
 MOD-5A
 SIZE: C
 SCALE: NONE
 SHEET 1 OF 1

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

NOTES:

1. MATERIAL: AISI 1018 ALLOY STEEL
2. FINISH: ZINC COAT PER GE SPEC F70 B1A
3. MARK "GE47C382353PI" WITH 1/4" METAL STAMP
4. ALL SURFACES TO BE FREE FROM BURRS, SCALE & SHARP EDGES.
5. INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5
6. WELD TO CONFORM TO AWS D 1.1
7. DIMENSIONS APPLY AFTER FINISH PER NOTE 2



(PI)

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES—
TOLERANCES ON
2 PLACE DECIMALS ± .020 ALL SURF
3 PLACE DECIMALS ± .005 SURF
ANGLES ± 1°
FRACTIONS ± 1/32

SIGNATURES		DATE	MO	YR
DRAWN	<i>A. Summers</i>	7	12	83
CHECKED	<i>Blalock</i>	22	8	89
ISSUED	<i>G. J. J. J.</i>	10	4	84
ENGRD	<i>J. J. J.</i>	22	3	84
MFG				
DATE				

GENERAL ELECTRIC
AEP DEPT. LOC. KING OF PRUSSIA, PA

TEETER SUPPORT PIN

SUFFIX	NEXT ASSY	USED ON
PI	47E3826054	WTQ-MOD BA

SEE NOTE 1

SIZE CODE IDENT NO
C 47C382353

SCALE NONE SHEET 1 OF 1

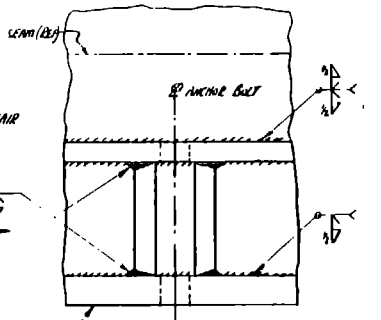
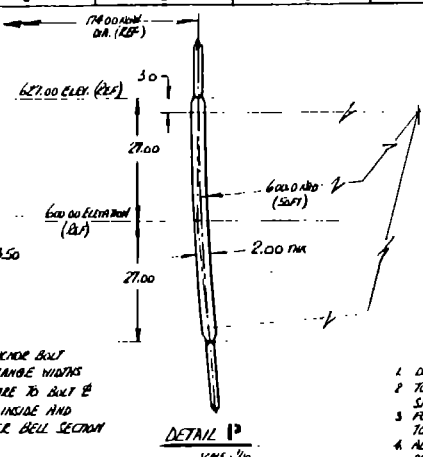
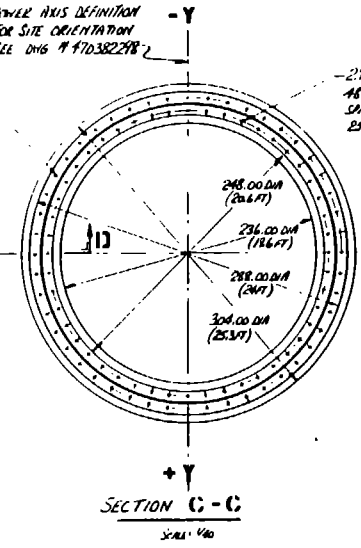
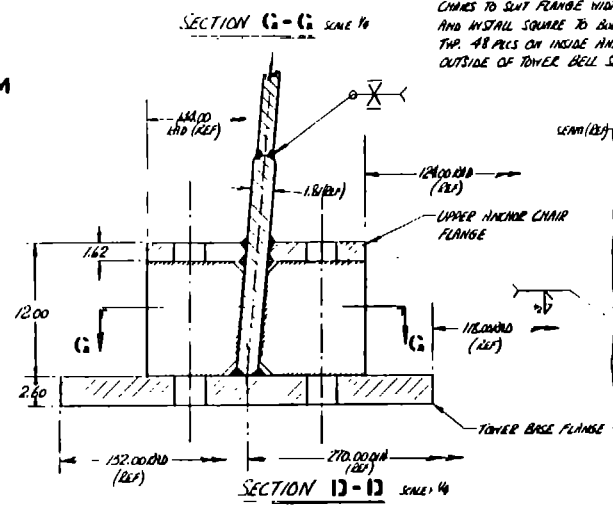
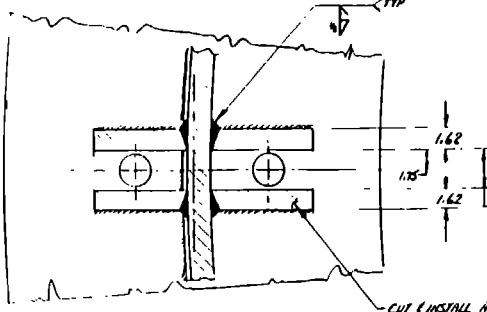
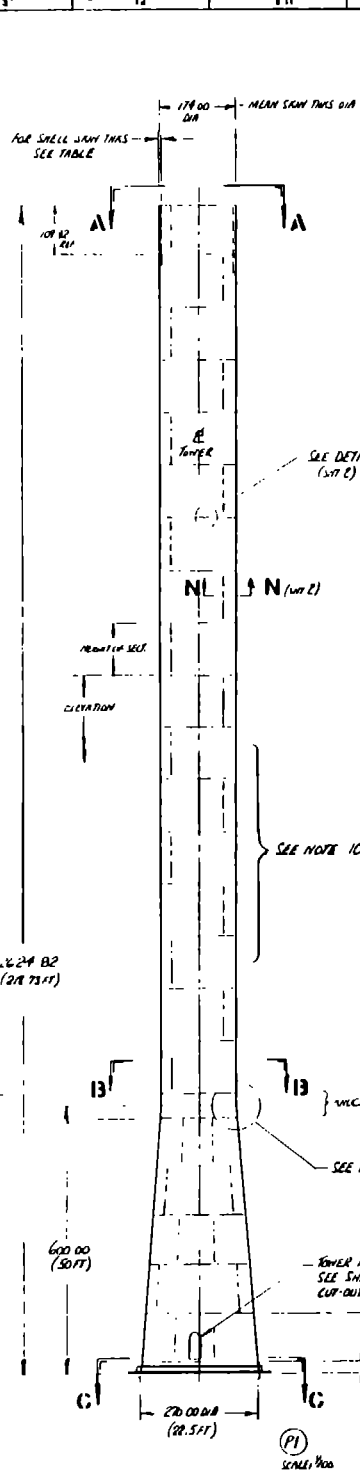
REV C 47C382353

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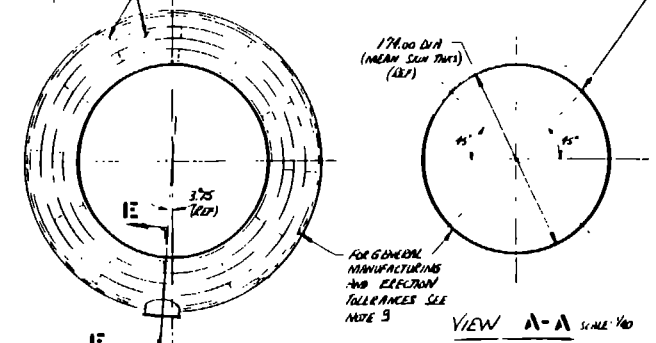
TABLE I
SHELL THICKNESS

ELEVATION Above Foundation	Shell Thickness	Height of Section
24	1.81	20.0
224	1.25(1.81)	114.4
157	1.32	109.0
246	1.37	109.0
335	1.48	109.0
464	1.58	109.0
573	1.64(1.58)	109.0
627	1.59	118.0
765	1.54	118.0
863	1.48	118.0
981	1.42	118.0
1099	1.37	118.0
1217	1.31	118.0
1335	1.25	118.0
1453	1.19	118.0
1571	1.13	118.0
1689	1.07	118.0
1807	1.01	118.0
1925	0.95	118.0
2043	0.89	118.0
2161	0.84	118.0
2279	0.79	118.0
2397	0.74	118.0
2515	0.69	108.82

SEE SECTION F-F ON SHEET 2 FOR CHANGE OF SECTION AROUND ACCESS DOOR



BELL ASSEMBLY TO BE MADE UP FROM 8 SEGMENTS PER SECTION - RANDOM SEGMENTS SUCH THAT LONGITUDINAL SEAMS ARE STAGGERED AND SEGMENTS ARE REF. TO B OF ACCESS DOOR SUCH THAT 1.81 THK SKIN AROUND DOOR IS EQUALLY POSITIONED EITHER SIDE AS SHOWN IN VIEW F-F (SHEET 2)



- GENERAL NOTES**
- DRAWING TOLERANCES PER ANSI Y14.5
 - TOWER SHELL STRUCTURE SHALL CONFORM TO SPEC. 474380022
 - FOR BASIC TOWER GEOMETRY AND CONSTRUCTION TOLERANCES SEE GE DWG 470387000
 - ALL WELDS UNLESS OTHERWISE NOTED SHALL BE FULL PENETRATION WELDS PER GE SPEC. 474380054
 - FINISH TOWER PER GE SPEC 474380048. BASIC COLOR: WHITE. FOR FINAL COLOR TENDENCY SEE DWG (LATER)
 - INTERIOR NAME AND ALL SECTIONS OF TOWER FROM THE FOLLOWING STANDARD STEEL PLATE STOCK AND CONFORMING TO GE SPEC 474380022:
 - TOWER SHELL: ASTM A572 GR 50 Q17
 - BUCKLE SECTION: A53 GR D
 - BASE FLANGE: A56 GR 40 Q17
 - CHAIR DETAILS AND UPPER FLANGE: A57 GR 50 Q17
 - DOOR REINFORCING: ASTM A572 GR 50 Q17
 - AND THICKNESS OF SHELL & BELL SECTIONS SEE TABLE I
 - BASE FLANGE AND UPPER ANCHOR FLANGES MAY BE MADE UP IN SEGMENTS TO SUIT STOCK AVAILABILITY. THEREFORE ALL BENT JOINTS BETWEEN SEGMENTS MUST BE FULL PENETRATION WELDS MADE 4 AND BE GRIND FLSH ON BOTH SIDES.
 - FOR INSTALLATION OF PLATFORMS AND PERSONNEL ELEVATOR AND ELEMENTARY TOWER INSIDE TOWER SHELL SECTION SEE GE DWG 474382575 & 474382572
 - FOR ASSEMBLY OF TOWER TO FOUNDATION SEE GE DWG 474382297
 - ALL WELDS BETWEEN ELEVATION 22.60 AND ELEV. 1925.0 TO BE CATEGORY 'B' PER AISC STEEL CONSTRUCTION MANUAL (8TH EDITION) APPENDIX 'B' (SEE ALSO NOTE #)
 - CONCRETE REINFORCEMENT TO BE MADE UP FROM 2 SEGMENTS PER SECTION - RANDOM LONGITUDINAL SEAM AT 45° TO Z-Y AXIS AND STAGGERED FROM SECTION TO SECTION.

SECTION I-I SCALE 1/4

DATE	11/11/55
BY	J. W. HARRIS
CHECKED BY	J. W. HARRIS
APPROVED BY	J. W. HARRIS

GENERAL PROJECT INFORMATION

PROJECT NO.	474382355
DATE	11/11/55
BY	J. W. HARRIS
CHECKED BY	J. W. HARRIS
APPROVED BY	J. W. HARRIS

TOWER STRUCTURE ASSY
MOD 5A - WTG
474382355

ORIGINAL PAGE IS
OF POOR QUALITY

FOR INSTALLATION OF
ACCESS DOOR SEE
GE DWG #12382297

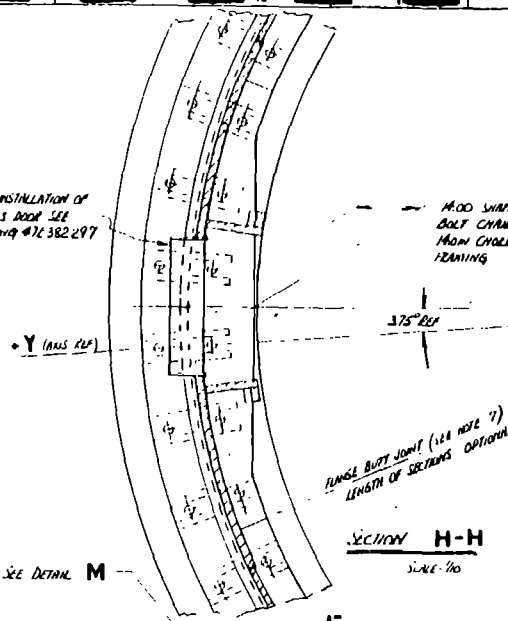
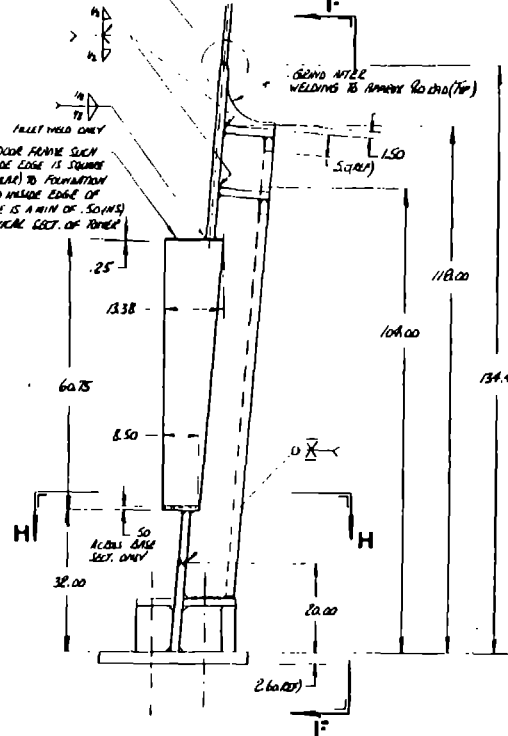


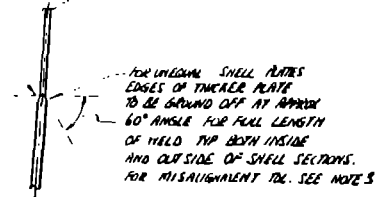
PLATE BUTT JOINT (SEE NOTE 7)
LENGTH OF SECTIONS OPTIONAL

SECTION H-H
SCALE 1/40

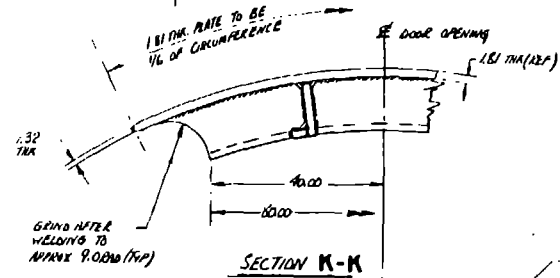


SECTION I-I
SCALE 1/40

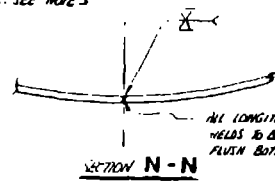
SECTION #110



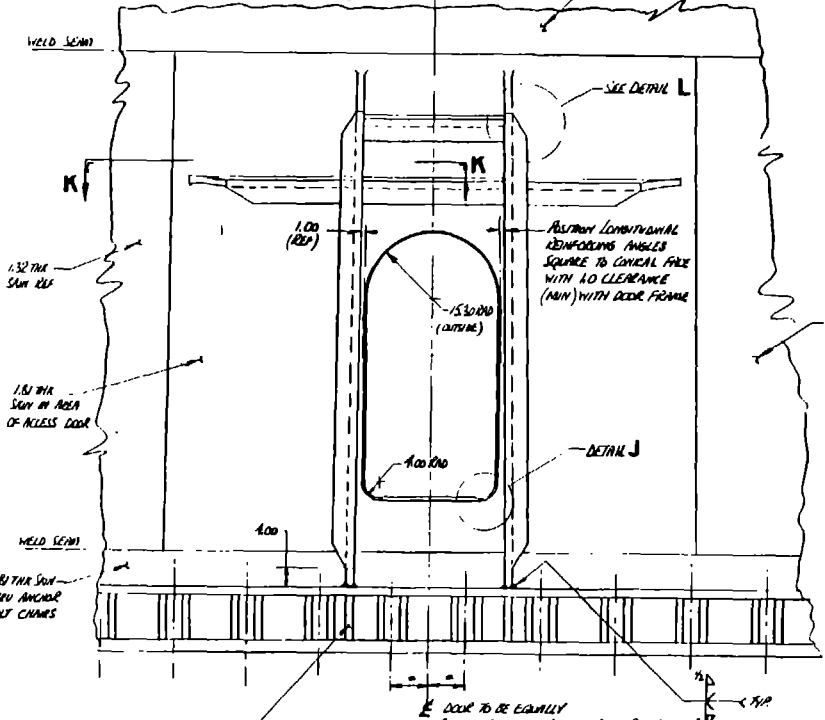
DETAIL M SCALE 1/40
TOP FOR ALL TOWER SHELL PLATES



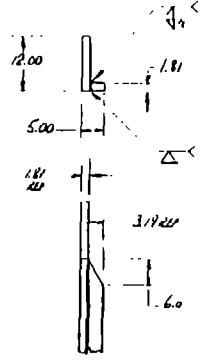
SECTION K-K
SCALE 1/40



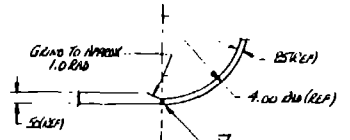
SECTION N-N



VIEW I-I
SHOWN AS PLAT PLATE DEVELOPMENT FOR CLARITY



DETAIL L SCALE 1/40
TOP FOR ALL DOOR REINFORCING MEMBERS



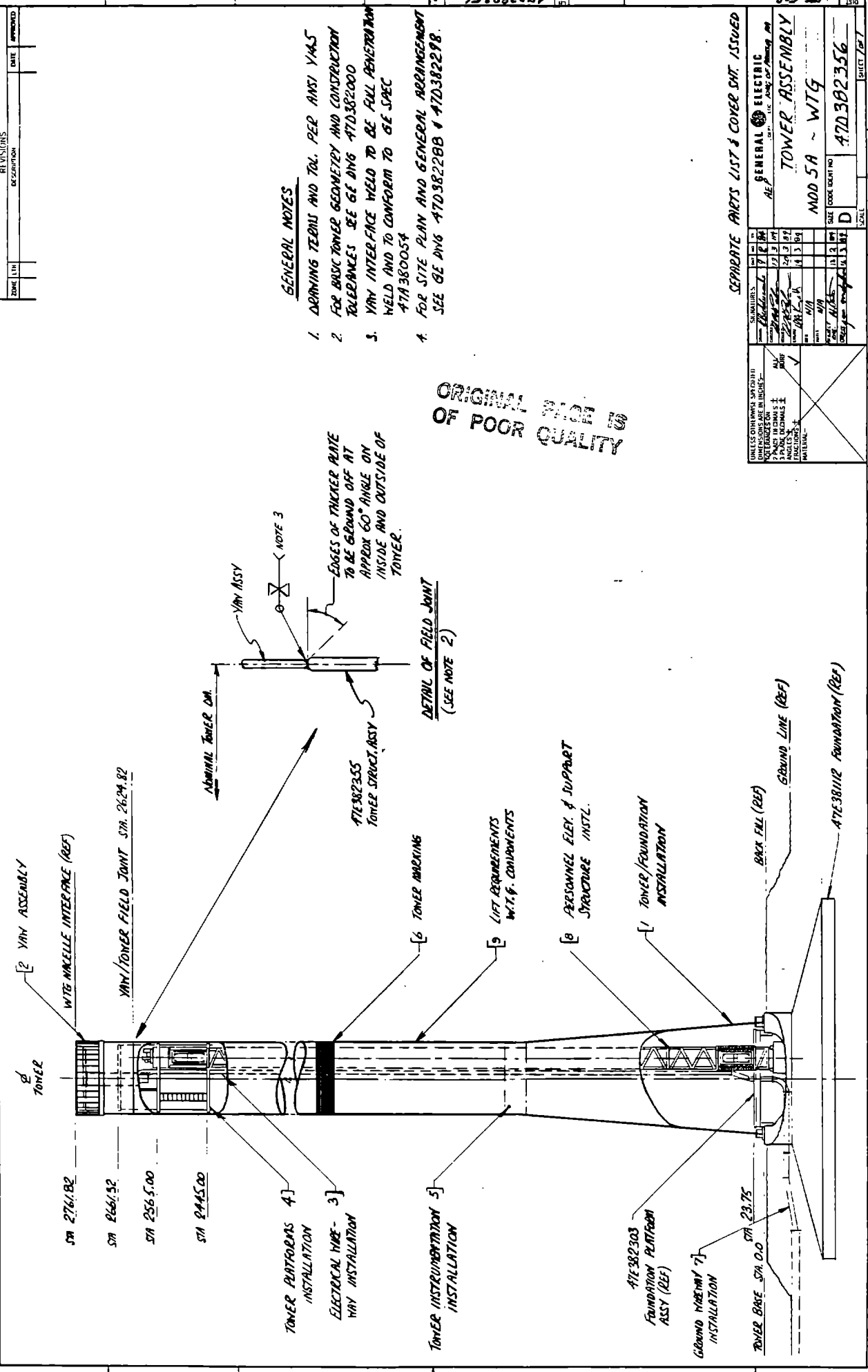
DETAIL J SCALE 1/40
TOP PILES ON DOOR FRAME

1/40 LUGS SHAPING
MEMBERS FROM THE BOTTOM
DOOR REINFORCING MEMBERS
TOP EACH SIDE

DOOR TO BE EQUALLY
SPACED BETWEEN INSIDE BOLT ARCH.

DESIGNED BY	DATE	SCALE	REVISIONS
DR	12/1/58	1/40	1
CHECKED BY			
APPROVED BY			
TOWER STRUCTURE ASSY MOD 5A - WTG			
47E382355			
SHEET 3 OF 2			

11 10 9 8 7 6 3 4 5 6 7 8 9 10 11



GENERAL NOTES

1. DRAWING TENSIS AND TOL. PER ANSI Y14.5
2. FOR BASIC TOWER GEOMETRY AND CONSTRUCTION TOLERANCES SEE GE DWG 47D382000
3. YAW INTER-FACE WELD TO BE FULL PENETRATION WELD AND TO CONFORM TO GE SPEC 47A380054
4. FOR SITE PLAN AND GENERAL ARRANGEMENT SEE GE PNG 47D382288 & 47D382298.

ORIGINAL SIDE IS OF POOR QUALITY

SEPARATE PARTS LIST & COVER SHEET ISSUED

NO.	QTY.	DESCRIPTION	UNIT	REMARKS
1	1	YAW ASSEMBLY	ASSEMBLY	
2	1	WTS MISCLE INTERFACE	REF	
3	1	YAW/TOWER FIELD JOINT	STA. 2624.82	
4	1	TOWER PLATFORMS	INSTALLATION	
5	1	ELECTRICAL WIRE	YAW INSTALLATION	
6	1	TOWER INSTRUMENTATION	INSTALLATION	
7	1	FOUNDATION PLATFORM ASSY	REF	
8	1	GROUND WAREHWY	INSTALLATION	
9	1	TOWER BASE	SPA 0.0 STA. 23.75	
10	1	FOUNDATION	REF	

UNLESS OTHERWISE SPECIFIED	UNLESS OTHERWISE SPECIFIED	UNLESS OTHERWISE SPECIFIED	UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES	ALL DIMENSIONS ARE IN INCHES	ALL DIMENSIONS ARE IN INCHES	ALL DIMENSIONS ARE IN INCHES
1. FINISH REQUIREMENTS	1. FINISH REQUIREMENTS	1. FINISH REQUIREMENTS	1. FINISH REQUIREMENTS
2. TOLERANCES	2. TOLERANCES	2. TOLERANCES	2. TOLERANCES
3. MATERIALS	3. MATERIALS	3. MATERIALS	3. MATERIALS

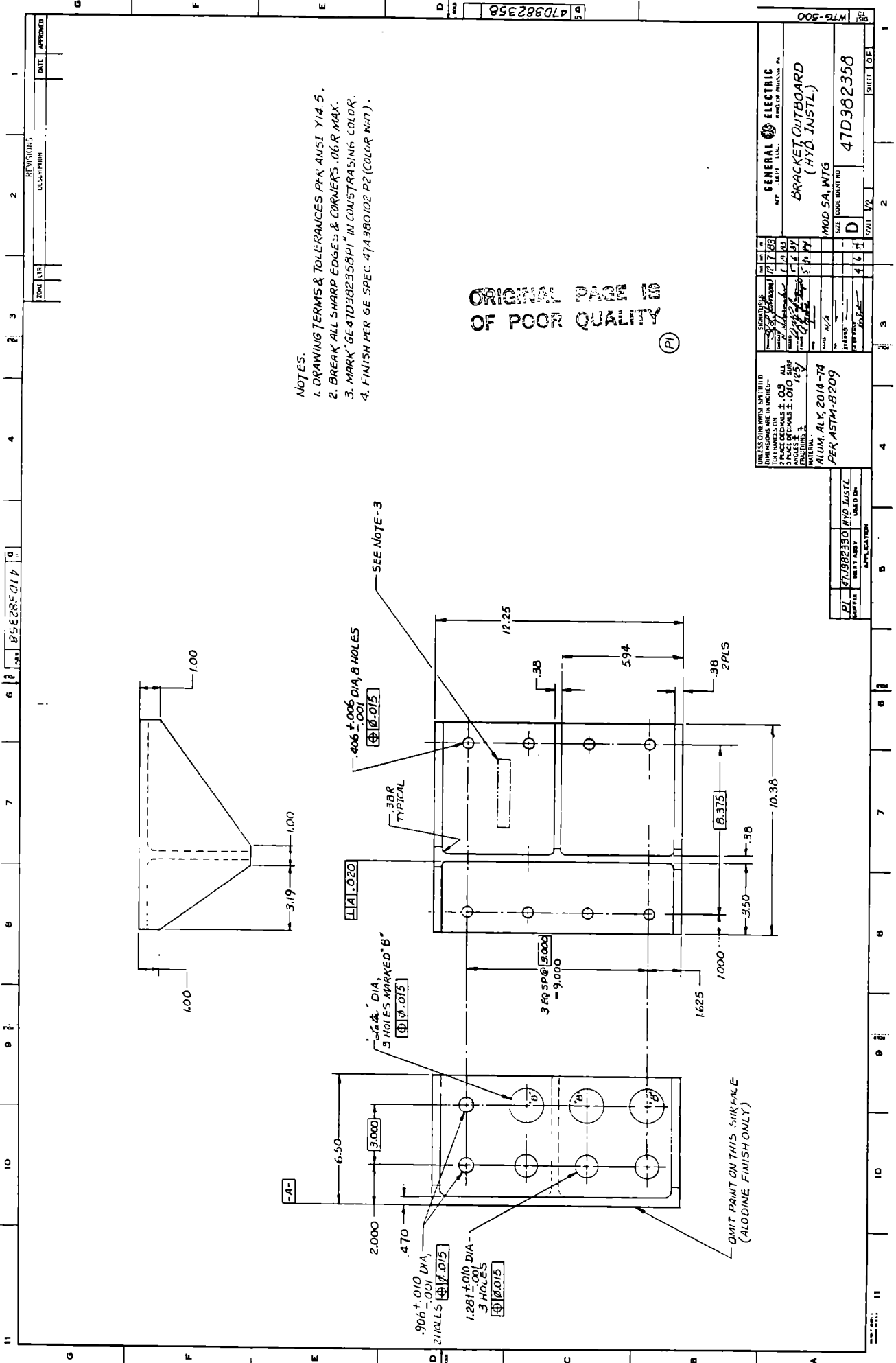
GENERAL ELECTRIC	GENERAL ELECTRIC
TOWER ASSEMBLY	TOWER ASSEMBLY
MOD 5A - WTG	MOD 5A - WTG
47D382356	47D382356

DATE APPROVED

47D382356

SCALE

SHEET 1 OF 1



NOTES:
 1. DRAWING TERMS & TOLERANCES PER ANSI Y14.5.
 2. BREAK ALL SHARP EDGES & CORNERS .06R MAX.
 3. MARK "GE47D382358P1" IN CONTRASTING COLOR.
 4. FINISH PER 6E SPEC 474380102 P2 (COLOR MAT).

ORIGINAL PAGE IS
 OF POOR QUALITY

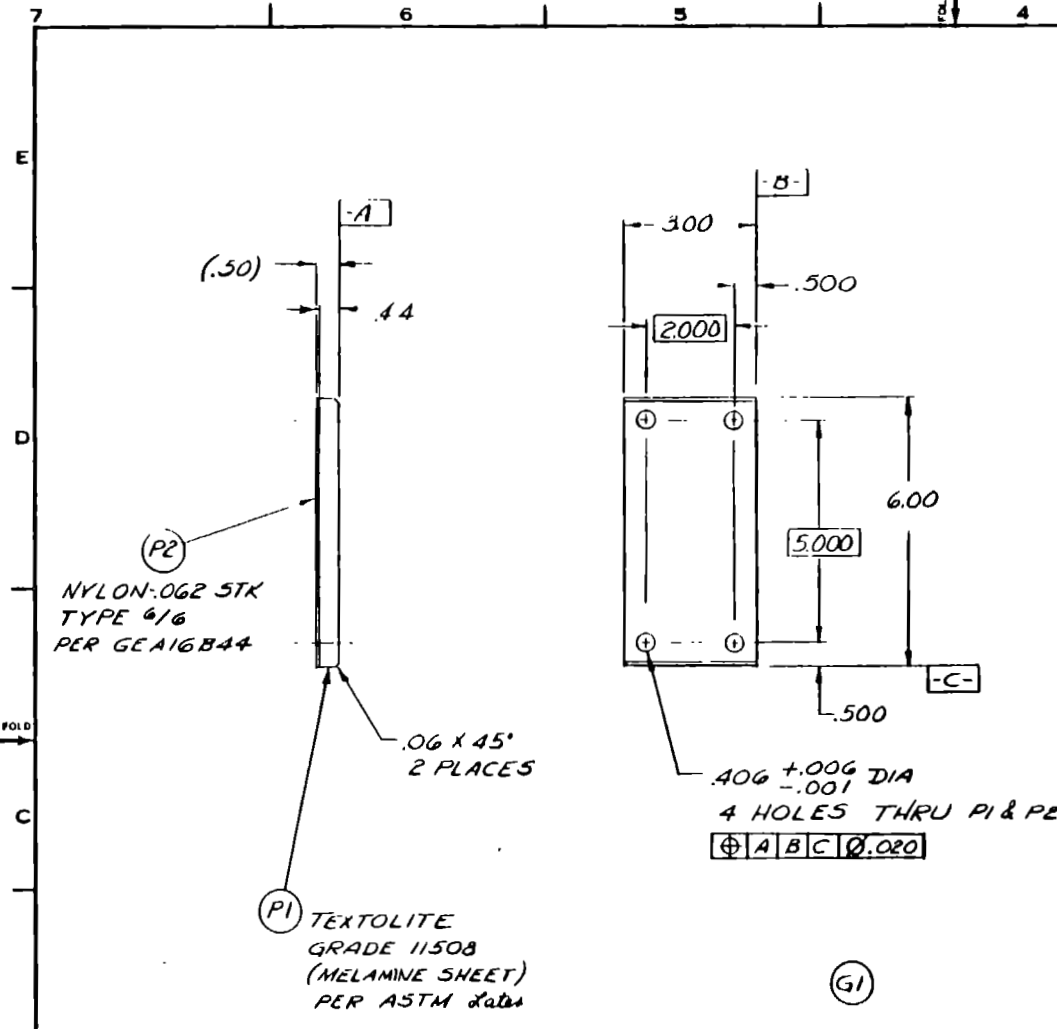
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— FRACTIONS DECIMALS ±.03 ANGLES ±.1° FINISHES PER 6E SPEC 474380102 P2		DATE: 12/18/83		DRAWN BY: J. J. [Signature]		CHECKED BY: [Signature]		APPROVED BY: [Signature]	
GENERAL ELECTRIC A DIV. OF WESTINGHOUSE		MOD 5A, WTS		SIZE CODE: WTS NO		D		47D382358	
BRACKET OUTBOARD (HYD. INSTL.)		ALUM. ALY. 2014-T4		PER ASTM-B209		APPLN		47D382358	
SHEET NO		SHEET TOTAL		DATE		APPROVED		DATE	
1		1		12/18/83		[Signature]		12/18/83	

NO	REVISIONS	DATE	APPROVED
1	ISSUE FOR FABRICATION		

47D382358P1

11 10 9 8 7 6 5 4 3 2 1

REVISIONS				
ZONE	ITR	DESCRIPTION	DATE	APPROVED

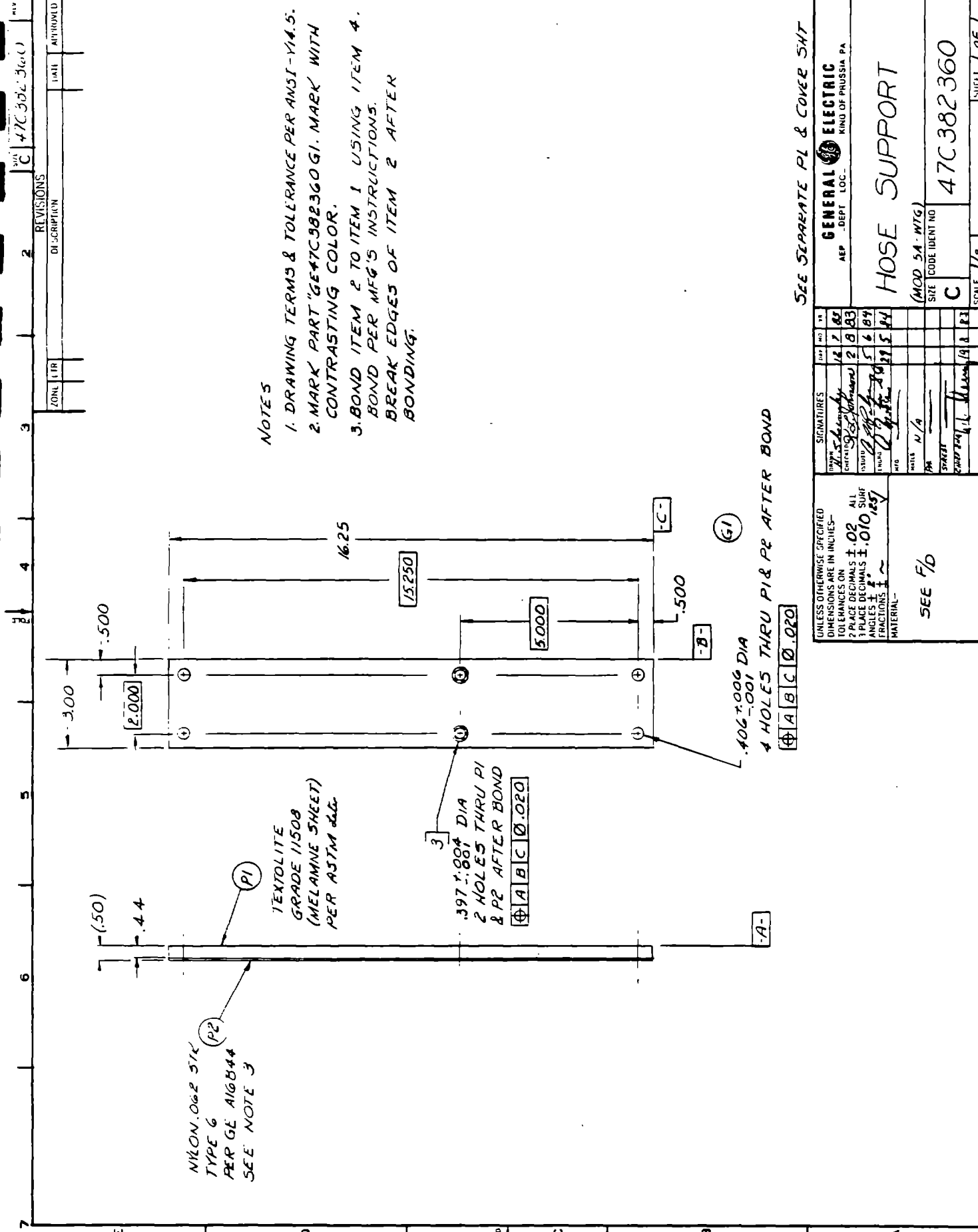


- NOTES**
1. DRAWING TERMS & TOLERANCES PER ANSI-Y14.5.
 2. MARK PART "GE47C382359G1. MARK WITH CONTRASTING COLOR.
 3. BOND ITEM 1 TO ITEM 2 USING ITEM 3. BOND PER MANUFACTURER'S INSTRUCTIONS. BREAK EDGES OF ITEM 2 AFTER BONDING.

SEE SEPARATE PL & COVER SHIT

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES- TOLERANCES ON 2 PLACE DECIMALS $\pm .02$ 3 PLACE DECIMALS $\pm .010$ ANGLES $\pm 5^\circ$ FRACTIONS $\pm \frac{1}{32}$ MATERIAL- SEE F/D	SIGNATURES			DATE	NO	18	GENERAL ELECTRIC AEP DEPT LOC KING OF PRUSSIA, PA HOSE SUPPORT (MOD SA-NIS) SIZE CODE IDENT NO 47C382359 SCALE 1/2 SHEET 1 OF 1
	DRAWN	<i>H. Thompson</i>	11	7	83		
	CHECKED	<i>R. Johnson</i>	2	8	83		
	ISSUED	<i>[Signature]</i>	5	6	84		
	ENGR	<i>[Signature]</i>	29	5	84		
	MFG						
	MATL	N/A					
	PA						
	TRNG						
	DATE	<i>[Signature]</i>	19	8	85		

REV C 47C382359 WTG 500



NOTES

1. DRAWING TERMS & TOLERANCE PER ANSI-Y14.5.
2. MARK PART "GE47C382360G1. MARK WITH CONTRASTING COLOR.
3. BOND ITEM 2 TO ITEM 1 USING ITEM 4. BOND PER MFG'S INSTRUCTIONS. BREAK EDGES OF ITEM 2 AFTER BONDING.

SEE SEPARATE PL & COVER SHT

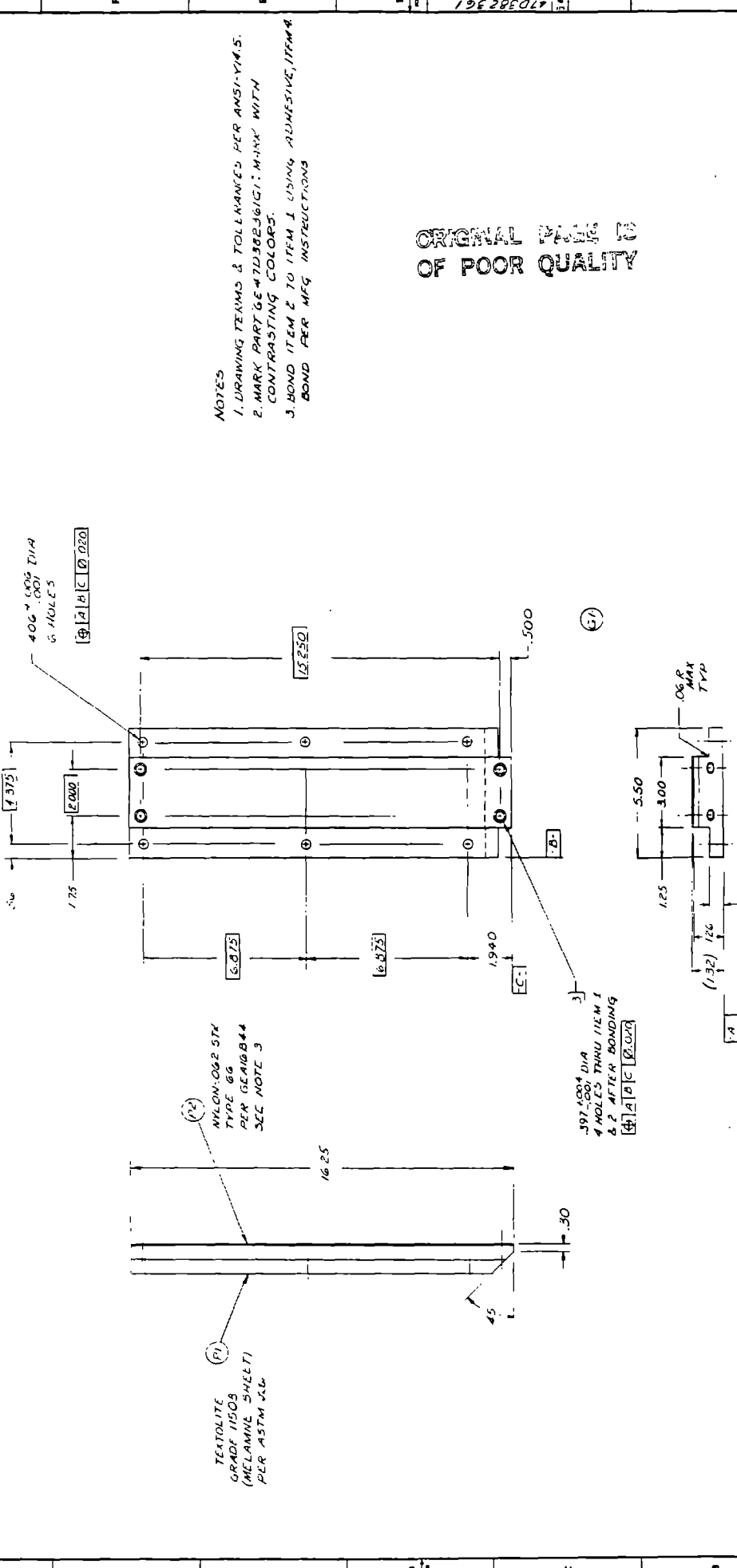
GENERAL ELECTRIC MFG OF PRUSSIA PA	
APR	DEPT LOC.
HOSE SUPPORT	
(MOD 5A - WTG)	SIZE CODE IDENT NO
C	47C382360
SCALE 1/8"	SHEET 1 OF 1

DATE	BY	CHKD	APP'D	SIGNATURES
1/2/85	J. S. [Signature]			DESIGNER
2/8/83	[Signature]			CHECKER
6/8/84	[Signature]			DRAWN
11/5/84	[Signature]			ENGR
				DATE
				INITIALS
				SCALE
				PROJECT
				EXAMINED BY
				DATE

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES—
TOLERANCES ON
1. HOLE DIA ± .02
2. PLACE DECIMALS SURF
3. ANGLES ±
FRACTIONS ±
MATERIAL—
SEE F/D

TIME	DATE	APPROVED
IN WARDEN'S OFFICE		
1	2	3
4	5	6
7	8	9
10	11	

190282361



NOTES
 1. DRAWING TERMS & TOLERANCES PER ANSI-Y14.5.
 2. MARK PART 6E-47D382361G1; MARK WITH CONTRASTING COLORS.
 3. BOND ITEM 2 TO ITEM 1 USING ADHESIVE, ITEM 4. BOND PER MFG INSTRUCTIONS

ORIGINAL FILED IN
 OF POOR QUALITY

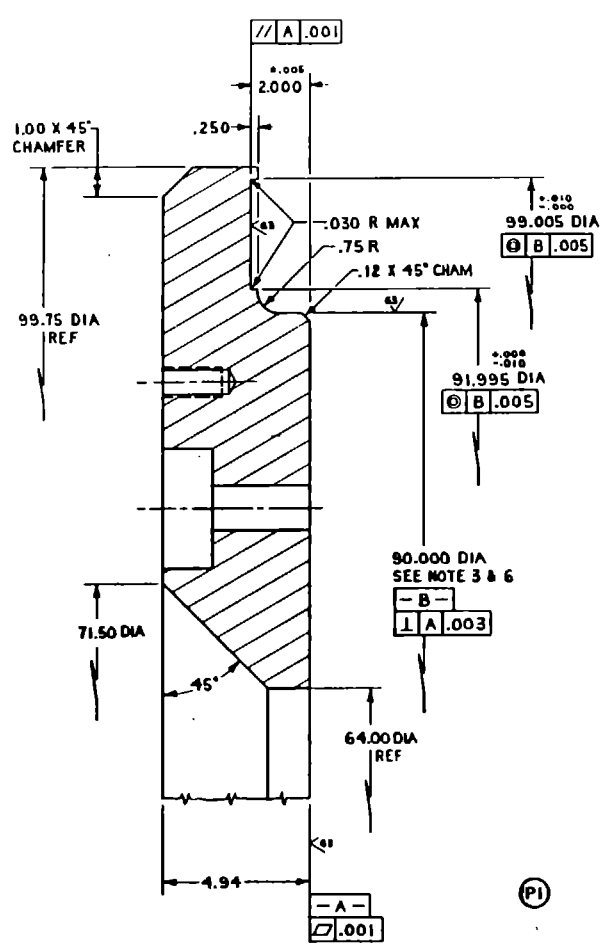
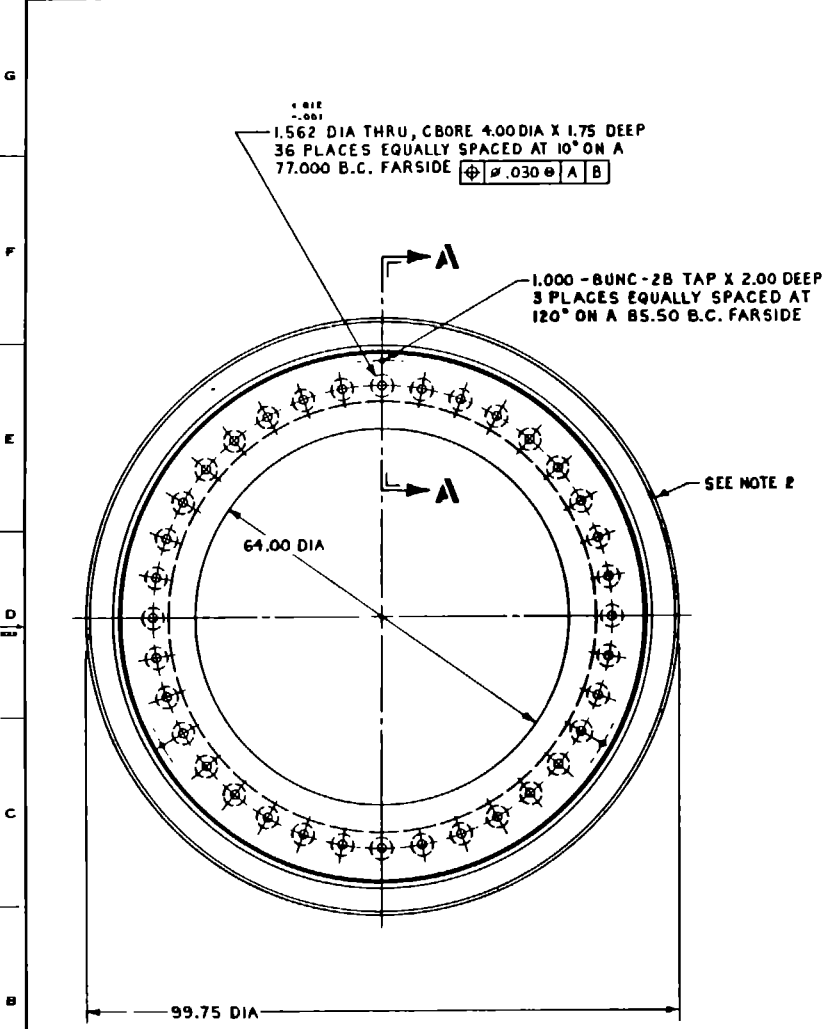
SEE SEPARATE P1 & P2

GENERAL ELECTRIC	
100E SUPPORT	
BASE	
47D382361	
D	
SCALE 1/2	

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED
 SURFACE FINISH IS TO BE AS SPECIFIED
 SEE P/D

11 10 9 8 7 6 5 4 3 2 1

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



SECTION A-A

- NOTES:
- DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 - MARK "GE47D382372P1" WHERE INDICATED WITH PAINT OF CONTRASTING COLOR.
 - THIS DIAMETER TO BE MATCH GROUND TO .002 - .007 SLIP FIT WITH MEASURED I.D. OF BEARING 47D381081, AFTER SPRAYING.
 - APPLY COATING TO MACHINED SURFACES PER G.E. SPEC. 47A380048 PARA 4.2.
 - ESTIMATED WEIGHT 5,200 LBS.
 - BEARING SEAT TO BE PLASMA SPRAYED WITH A COATING OF COPPER-NICKEL-INDIUM TO A THICKNESS OF .025. GRIND TO FINISH DIMENSION AFTER SPRAYING.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— FRACTIONS ON 2 PLACE DECIMALS ± .02 3 PLACE DECIMALS ± .010 ALL SURF ANGLES & 1/2° FUNCTIONS ± .02		SIGNATURES		DATE	BY
MATERIAL ASTM A36		DESIGNED		4 11 83	
P. 1 47E382441 MOD - 5A		CHECKED		20 12 83	
SUPPLY NEXT ASSY UNLESS SHOWN OTHERWISE		DRAWN		3 5 83	
APPLICATION		APP. BY		21 11 83	
		MATERIAL		1 5 84	
		P. A.			
		SCALE		1/16	
		CODE IDENT NO			
		SIZE			

GENERAL ELECTRIC
AEP ... 1 1/2"

ROTOR BRG RETAINER,
FWD
MOD-5A

47D382372

SCALE 1/16

SHEET 1 OF 1

5

4

FOLD
↓

3

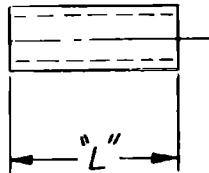
2

SIZE B 47B382373 SHEET 10F1 REV

REVISIONS

ZONF	LTR	DESCRIPTION	DATE	APPROVED

.500 ϕ X .049 WALL
(STOCK)



NOTES;

1. DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
2. MARK 47B382373P, AS APPLICABLE ON BAG OR TAG.
3. BREAK ALL SHARP EDGES, .01 R MAX.

PART NO.	DIM - "L" ± .005
P1	1.360
P2	1.060
P3	.790

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:		SIGNATURES		DAY	MO	YR	GENERAL ELECTRIC AEP - DEPT LOC. KING OF PRUSSIA, PA.	
FRACTIONS	DECIMALS	ANGLES	DRAWN	19	7	83	SPACER, HOSE SUPPORT (MOD-5A, WTG)	
±	±	±	CHECKED	8	8	83		
±	±	±	ISSUED	5	6	83		
±	±	±	ENGRD	10	5	83		
±	±	±	MFG	17	8	83		
ALL SURFACES	125/		MATERIAL		N/A		SIZE	CODE IDENT NO.
PI-P3 47J382330 HYD. INSTL		MATERIAL		CRESTY 316 OR 304 PER ASTM-A269		B		47B382373
SUFFIX	NEXT ASSY	USED ON	MFG		19		SCALE	SHEET 10F1
APPLICATION			MFG		9			

5

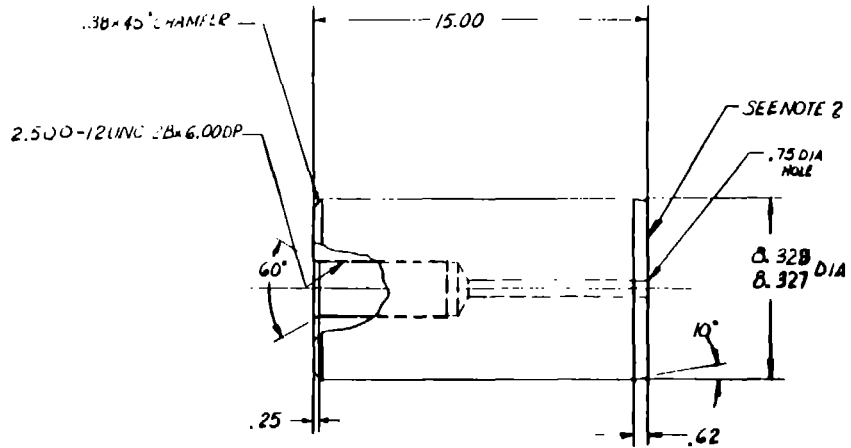
4

FOLD
↑

3

2

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



NOTES:

- 1- DWG TERMS & TOL PER ANSI Y14.5
- 2- MARK PART GE 47C382390... WHERE INDICATED WITH RUBBER STAMP OR PAINT
- 3- BREAK ALL SHARP EDGES .03 MAX
- 4- MATL.: MAKE FROM LOW CARBON STEEL BAR STOCK PER ASTM-A1018 OR 1020
- 5- FINISH PART TO BE FINISHED PER GESPEC 47A380043 PARA 4.4 ONLY

(PI)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ON 2 PLACE DECIMALS ±.02 -ALL SURF 3 PLACE DECIMALS ±.001 125 ANGLES ± 30' FRACTIONS ±.005 MATERIAL—

SEE NOTE 4

PI	47038239761	MOD 5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

SIGNATURES				DAY	MO	YR
DRAWN	<i>A. Seard</i>	26	7	89		
CHECKED	<i>A. Seard</i>	22	3	89		
ISSUED	<i>A. Seard</i>	10	4	89		
ENGRD	<i>A. Seard</i>	22	3	89		
MTG						
MATL						
PA						
CHKD	<i>A. Blumenthal</i>	21	3	89		
DN	<i>M. E. Carter</i>	6	2	87		

GENERAL ELECTRIC
AEP DEPT LOC. KING OF PRUSSIA, PA

PLUG, SHAFT-TEETER

MOD 5A WTG

SIZE	CODE IDENT NO
C	47C382390

SCALE ~ SHEET /

REV 1
47C 382390
WTG 504
DIST TO

5

4

FOLD ↓

3

2

SIZE B 47B382398 SHEET 1 OF 1 REV

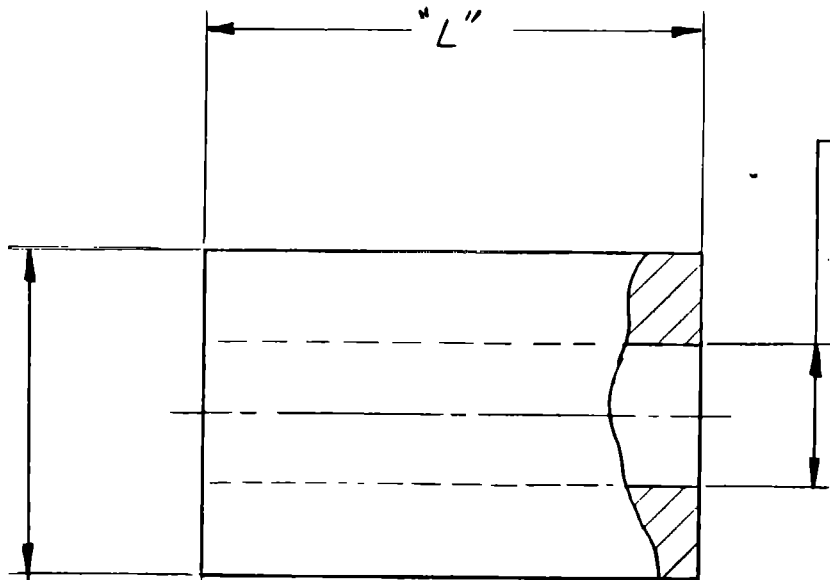
REVISIONS

ZONF	LTR	DESCRIPTION	DATE	APPROVED

D

C

B



1.156 ± .010 DIA
 ⓐ A Ø.010

2.625 ± .010 DIA
 -A-

PART NO.	"L"
P1	4.00 ± .02
P2	6.25 ± .02

NOTES.

1. DRAWING TERMS & TOLERANCES PER ANSI-Y14.5.
2. MATERIAL; CRES, TY 304 OR 316 PER ASTM-A269
3. MARK "GE 47B382398P-" AS APPLICABLE ON BAG OR TAG.
4. BREAK ALL SHARP EDGES, .03 R MAX.

FN0071 (3-82) PRINTED IN U.S.A.

P1	Later	
P2	47E382413	ROTOR
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: FRACTIONS DECIMALS ANGLES ± ± ± ALL SURFACES 125/✓ MATERIAL: SEE NOTE-2	SIGNATURES		DAY	MO	YR	GENERAL ELECTRIC AEP DEPT LOC. KING OF PRUSSIA, PA. SPACER (MOD-5A WTG) SIZE CODE IDENT NO. 47B382398 SCALE V1 SHEET 1 OF 1
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	CHECKED: <i>[Signature]</i>		14	6	81	
	ISSUED: <i>[Signature]</i>		14	6	81	
	ENGINEER: <i>[Signature]</i>		4	6	82	
	MFG					
	MATLS					
	RA					
	STRESS					
	FINISH					

5

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FOLD ↑

3

2

WTS-500

5

4

FOLD

3

2

SIZE B 47B382401 SHEET 1 OF 1 REV

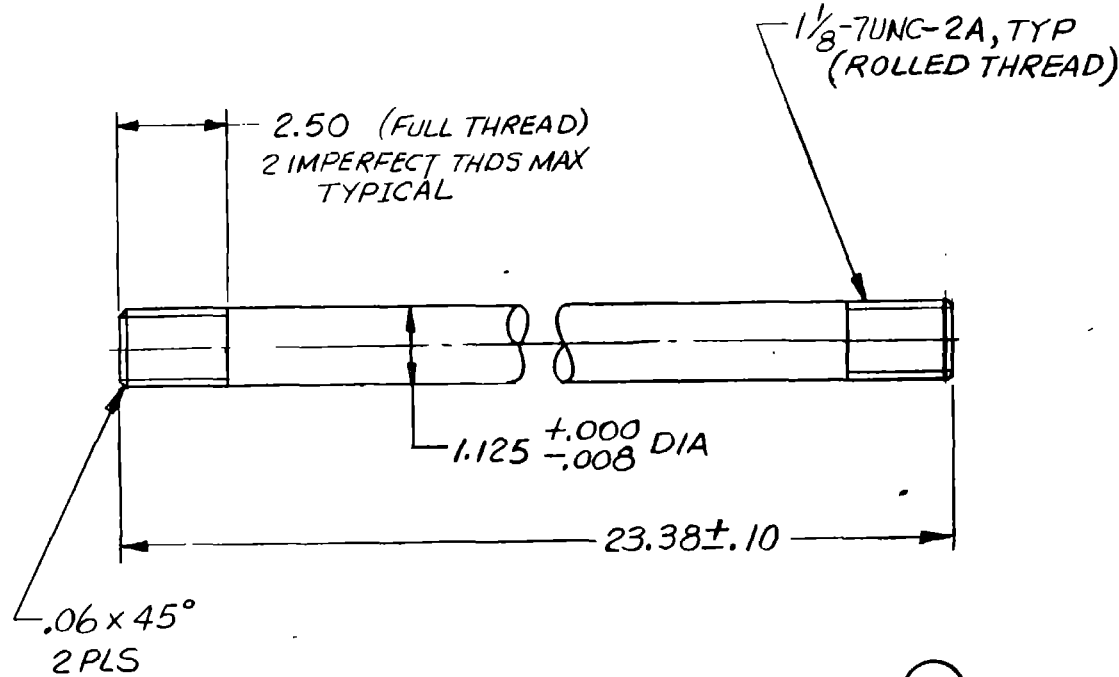
REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED

D

C

B



NOTES;

1. DRAWING TERMS & TOLERANCES PER ANSI-Y14.5
2. MATERIAL; MED. CARBON STEEL, QUENCHED AND TEMPERED PER ASTM-A325. (120 KSI MIN YIELD).
3. FINISH PER GE SPEC F70B1A2 (ZINC PLATE).
4. MARK "GE 47B382401 PI" BAG OR TAG

PI

PI	47E382413	ROTOR
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:

FRACTIONS DECIMALS ANGLES
 $\pm .XX \pm .03 \pm 2^\circ$

ALL SURFACES 125/

MATL-

SEE NOTE-2

SIGNATURES

	DAY	MO	YR
DRAWN	28	7	83
CHECKED	14	6	84
ISSUED	14	6	84
ENGR	4	6	84
MFG			
MATLS			
PA			
STRESS			
TRNG	4	6	84

GENERAL ELECTRIC
AEP DEPT LOC KING OF PRUSSIA, PA.

STUD, BALLAST
(MOD 5A, WTG)

SIZE CODE IDENT NO. B 47B382401

SCALE 1/2 SHEET 1 OF 1

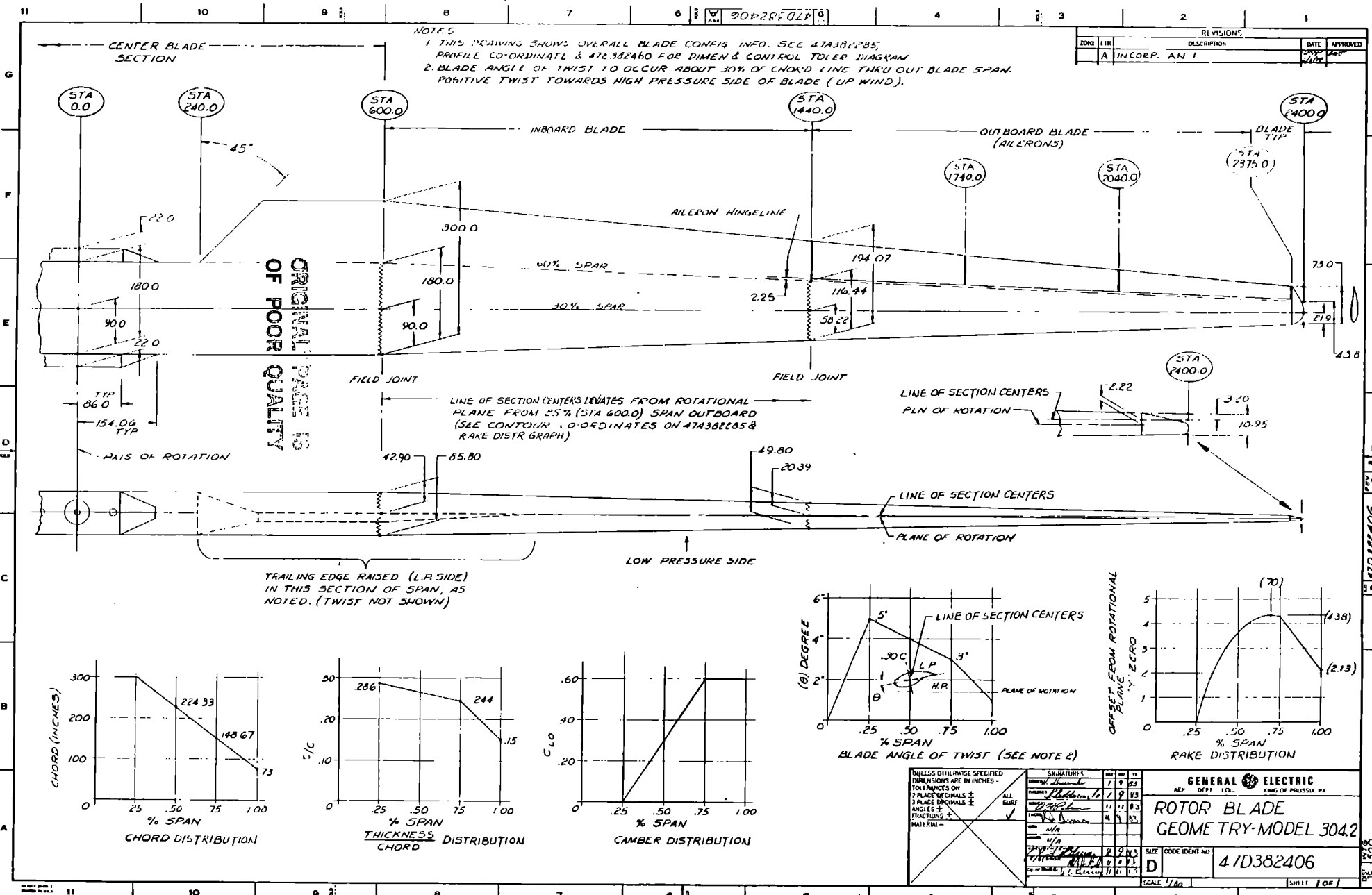
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2



ORIGINAL PAGE IS OF POOR QUALITY

GENERAL ELECTRIC
 ROTOR BLADE GEOMETRY-MODEL 304.2

SCALE 1/8" = 1"

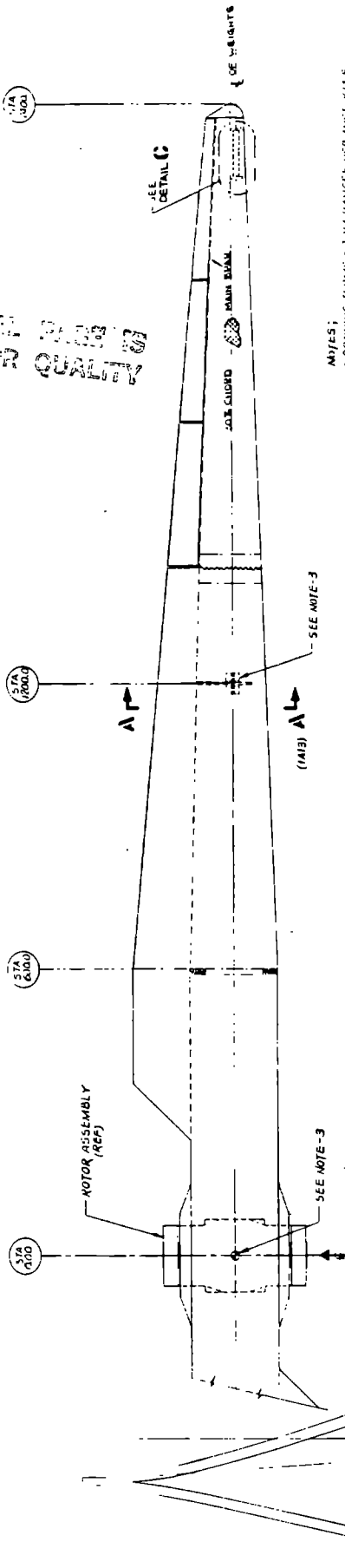
SHEET 1 OF 1

SIGNATURE	DATE	BY
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[Signature]	14 1 83	
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[Signature]	11 11 83	

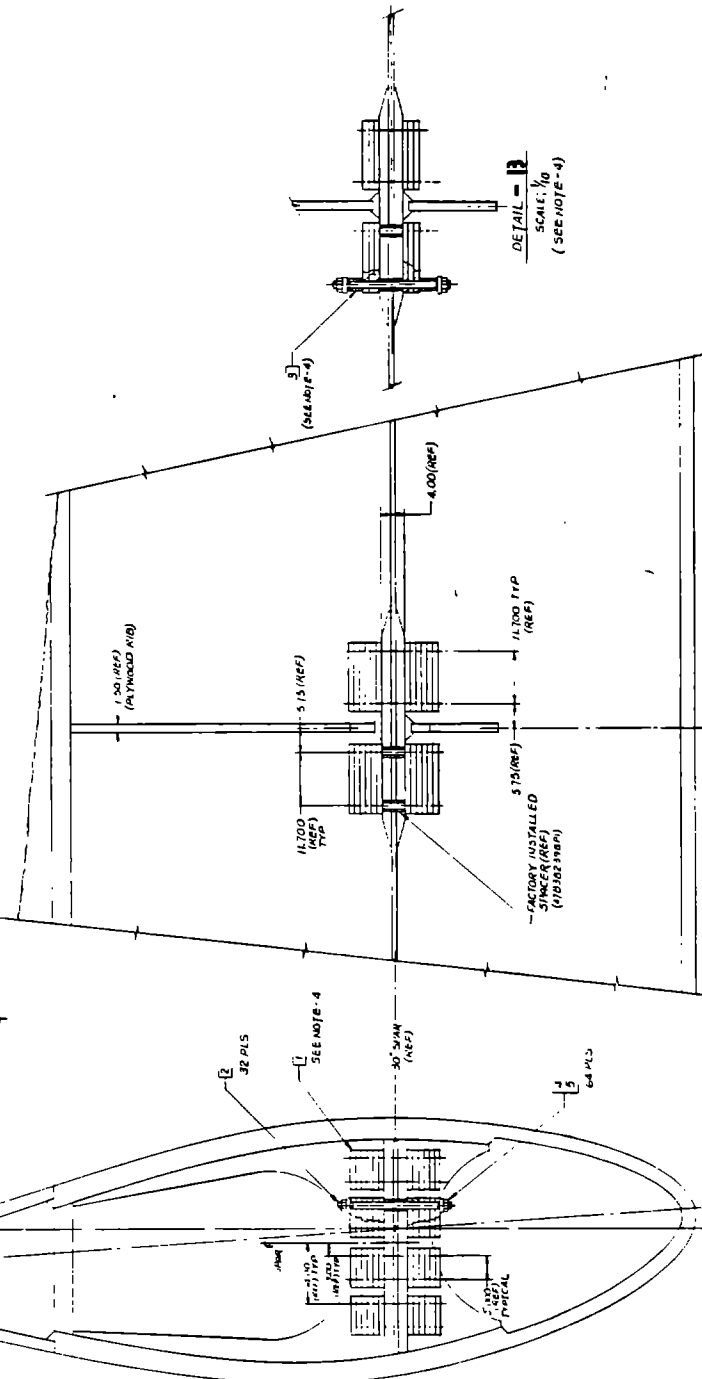
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - TOLERANCES ON: 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES & FRACTIONS ± MATERIAL - ALL BURE

SIZE CODE IDENT NO: **D** 47D382406

ORIGINAL PLANS
OF POOR QUALITY



- NOTES:
1. DRAWING DIMENSIONS PER AISC 1.4.5.
 2. TORQUE ALL FASTENERS PER SPEC 47A 3000-4 / (200FF-105).
 3. BALLAST WEIGHT TO BE ADDED AS SHOWN IN AREAS TO MAINTAIN THE BALANCE OF ROTOR ASSEMBLY TO WITHIN 10,000 FT.-LBS OF BLADE CENTER LINE.
 4. DETAIL "B" SHOWS ALTERNATE METHOD FOR INSTALLING BALLAST WEIGHTS WHEN LESS THAN THE MAXIMUM ARE REQUIRED. WEIGHTS SHALL BE INSTALLED SYMMETRICALLY ABOUT 30% SPAN AND SPACERS ADDED AND TRIMMED TO REQUIRED LENGTH.
 5. TO INSTALL AND CHANGE BALLAST WEIGHT IN OUTER BLADE SECTION, BLADE TIP SECTION MUST BE REMOVED. SEE DRAWING 47E 3025221.
- CAUTION
DO NOT INSTALL TIP SECTION UNTIL STATIC & DYNAMIC BALANCING OF BLADE IS FINALIZED.



DETAIL - B
SCALE: 1/4"
(SEE NOTE-4)

NOTE: THIS DRAWING IS NOT TO BE USED AS A CONCEPTUAL ARRANGEMENT ONLY.

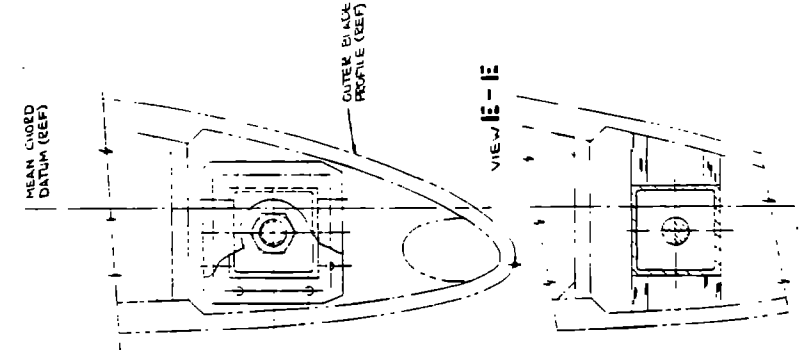
SEE SHEET 4 & C.S.

MID SPAN MAX INSTE W.T. 96 @ 50" = 4800 LBS

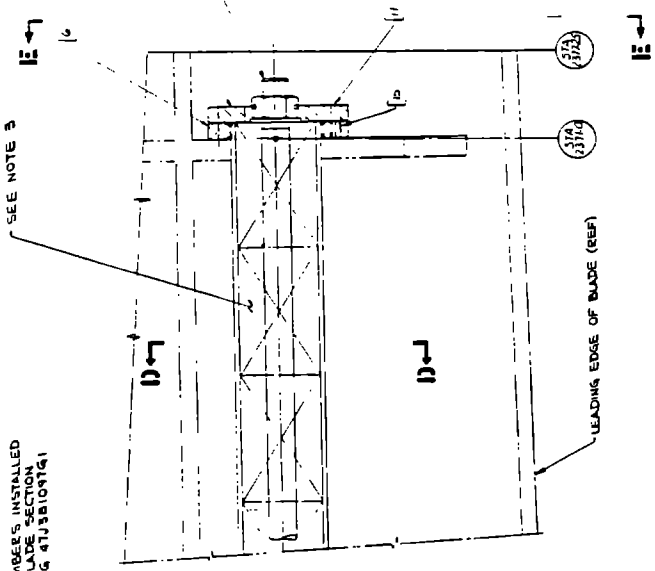
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SECTION A-A
SCALE: 1/4"

47E 302413



SECT D-D
Scale 1/2



DETAIL C

REINFORCING MEMBERS, INSTALLED
INSIDE OUTER BLADE SECTION.
SEE GE DRAWING 471382413

GENERAL INFORMATION BALLAST INSTALLATION, ROTOR ASSY	
MOD. 54100 471382413	DATE: 11/17/71 DRAWN: [Signature] CHECKED: [Signature]
APPROVED: [Signature] TITLE: [Title]	PROJECT: [Project Name]

5

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FOLD

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2

SIZE B 47B382419 SHEET 1 REV

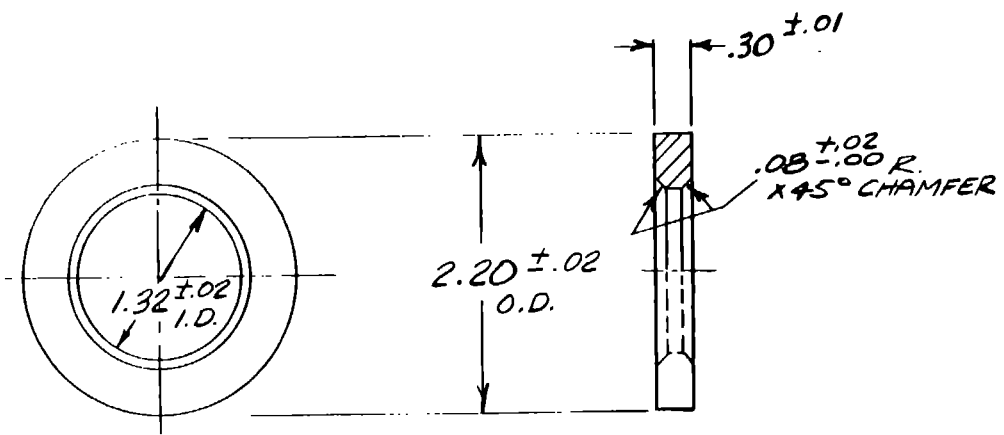
REVISIONS

ZONE	ITR	DESCRIPTION	DATE	APPROVED
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D

C

B



NOTES:-

1. DWG. TERMS & TOL. PER ANSI Y14.5
2. MARK "GE47B382419PI" WITH RUBBER STAMP OR PAINT
3. MATERIAL PER ASTM F436 (HARDENED STEEL) EXCEPT FOR DIMENSIONS & FINISH.
4. FINISH ZINC PLATE ALL SURFACES PER GE SPEC. F70B1A.

PI

PI	47E382165	MOD SA
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:			
FRACTIONS	DECIMALS	ANGLES	
±	±	± 5°	
ALL SURFACES 125			
MATERIAL: SEE NOTES 3 & 4			
SIGNATURES			
DRAWN	DATE	DAY	MO YR
1/10/83	15	A	83
CHECKED	DATE	DAY	MO YR
1/10/83	15	B	83
ISSUED	DATE	DAY	MO YR
1/10/83	29	5	83
ENGRG	DATE	DAY	MO YR
1/10/83	21	9	83
MFG	DATE	DAY	MO YR
1/10/83	24	8	83
MATERIALS			
PA: Mr. Kiedler 9 9 83			
GIBBENCH: N/A			

GENERAL ELECTRIC
 AEP - DEPT LOC - KING OF PRUSSIA, PA.

WASHER-HARDENED STEEL
WTG-MOD-SA

SIZE	CODE IDENT NO.
B	47B382419
SCALE	FULL
SHEET 1 OF 1	

5

4

FOLD

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2

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FOLD

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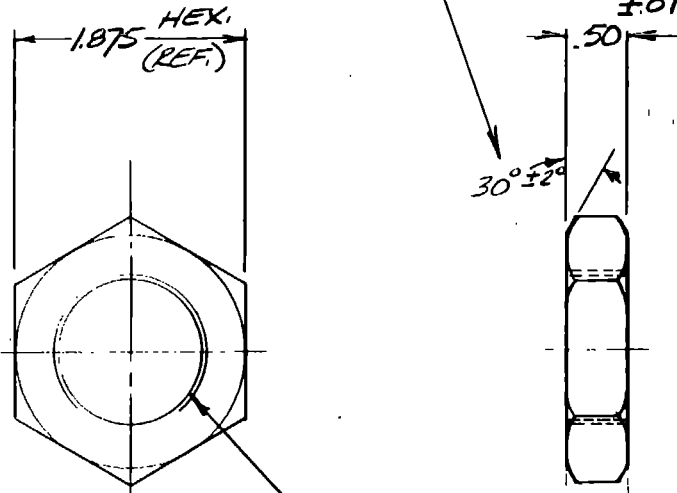
2

SIZE B 47B382420 SHEET 1 REV

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED

THIS DIM. APPLIES TO SIDE FROM WHICH MATERIAL HAS BEEN REMOVED.



1.250-12 UNF-2B THD. (REF.)

NOTES:-

1. DWG TERMS & TOL. PER ANSI Y 14.5.
2. MARK "GE47B382420PI" WITH RUBBER STAMP OR PAINT.

(PI) MAKE FROM N213P43B

SUFFIX	NEXT ASSY	USED ON
PI	47E38216S	MOD SA
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:			
FRACTIONS	DECIMALS	ANGLES	
±	±	±	
ALL SURFACES 125/			
MATL- SEE ABOVE			
SIGNATURES			
DRAWN	DAY	MO	YR
1/15	7/5	83	
CHECKED			
1/15	8/15		
ISSUED			
8/5	83		
ENGRD			
2/9	9/83		
MFG			
2/8	83		
MATLS			
N/A			
P.A. 9/9/83			

GENERAL ELECTRIC
AFP - DEPT LOC - KING OF PRUSSIA, PA

JAM NUT
WTG-MOD-SA

SIZE B CODE IDENT NO. 47B382420

SCALE FULL SHEET 1 OF 1

5

4

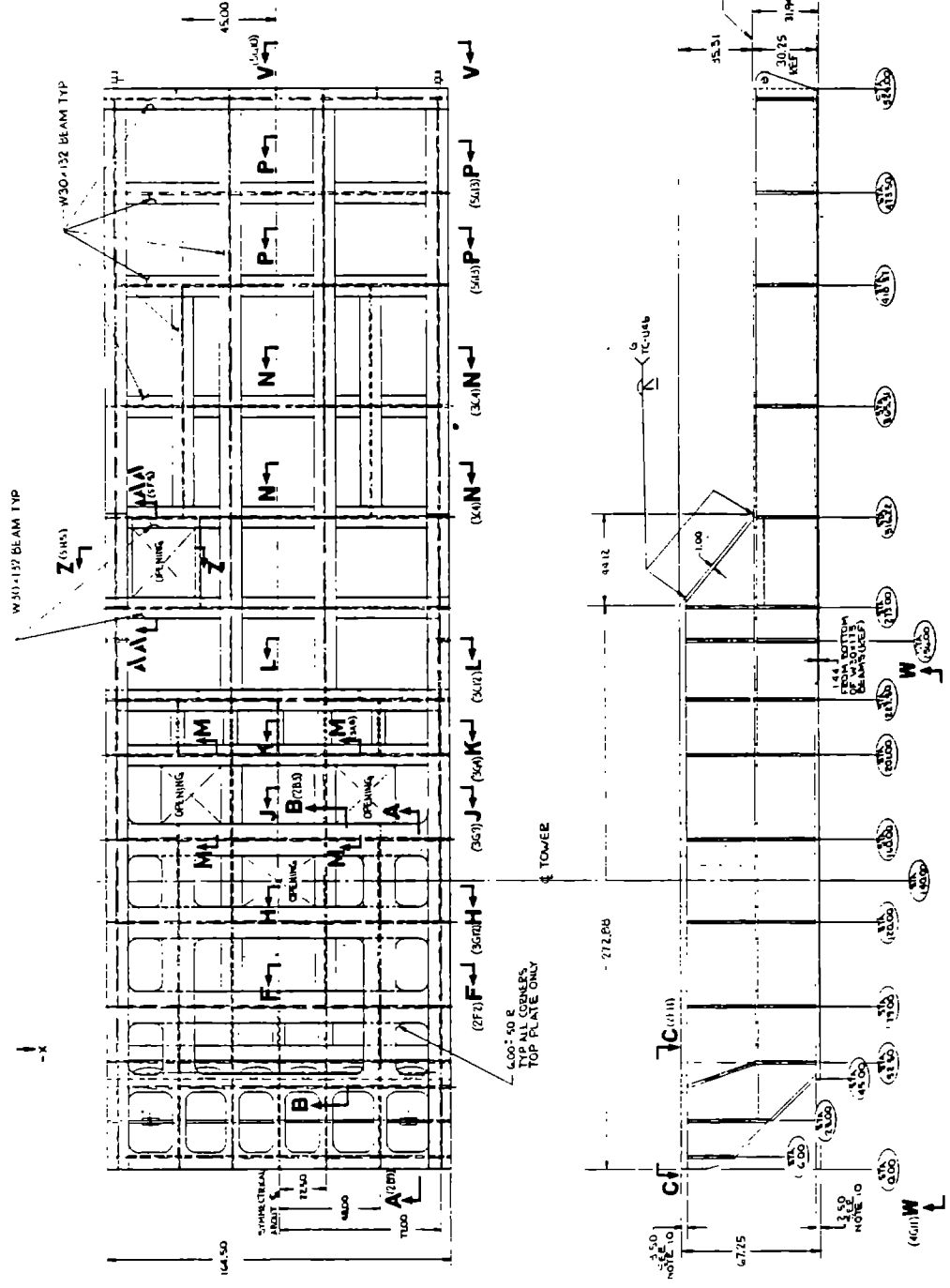
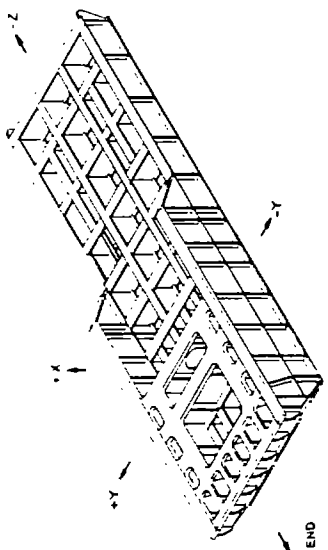
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3

2

ORIGINAL PART OF
OF POOR QUALITY

TABLE 1 MATERIAL REQUIREMENTS
MATERIAL FOR ALL PANELS, RIBS, PLATES AND FINISHES TO
BE AS SPECIFIED IN THE DRAWING AND TO MEET THE SPEC
47A 38004Z FOR THICKNESS UP TO AND INCLUDING 1/2"
ALL CIRCULAR SHAPES TO BE ASTM 572 GR 50 OR
ASTM A433 GR C, BOTH PER GE SPEC 47A 38004Z.



- NOTES:
1. DRAWING TERMS & DIMENSIONS PER AISC - Y14.5.
 2. REMOVE ALL BURRS AND SHARP EDGES.
 3. TOLERANCES:
CENTLINE DIMENSIONS FOR ALL BEAMS SHALL BE BASIC DIMENSIONS SHALL BE HELD WITHIN 1/32".
PERPENDICULARITY OF UPRIGHT MEMBERS SHALL BE HELD TO 50 PER 10 FEET OF HEIGHT.
GOUTS AND CHAMFERS AND OTHER LOCATING DIMENSIONS SHALL BE HELD WITHIN 1/32" UNLESS OTHERWISE NOTED.
OVERALL DIMENSIONS TO BE HELD WITHIN 1/32".
 4. CHAMFER CORNERS TO CLEAR RADIUS OR WELD BEADS OF MATING PARTS BY 1/2".
 5. MATERIAL - SEE TABLE 1 FOR TYPE AND SIZE.
 6. ALL WELDING, SURFACE PREPARATION AND INSPECTIONS PER AISC 368, 47A 38004Z. ALL WELDS TO BE FULL PENETRATION UNLESS OTHERWISE NOTED.
 7. WELDS REFERENCED TO THIS NOTE DO NOT REQUIRE FULL PENETRATION.
 8. INTERMEDIATE PLATE AND WEB SPICES PERMITTED ONLY WITH FULL PENETRATION. SPICES WELDS, GROUND FLUSH ON BOTH SIDES.
 9. USE WELD HEAT TREAT ENTIRE WELD PLATE STRUCTURE AFTER WELDING AND PRIOR TO FINAL MACHINING PER 47A 38004Z PAR. 4.1.7.
 10. FOR FINAL MACHINING SEE G.E. DWG. 47E 382206.
 11. DEGREASE, CLEAN AND PRIME PER G.E. SPEC 47A 38004B.
 12. G.E. APPROVAL OF SUPPLIERS, MANUFACTURING DRAWINGS IS REQUIRED PRIOR TO FABRICATION.
 13. MARK PART NO. GE 47E 382429, USING PAINT OF A CONTRASTING COLOR.

REVISION STATUS FABRICATION

1	15	13	12	11	10	9	8	7	6	5	4	3	2	1
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E.F.W. = 94,000

LAST REVISION FILTER USED

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SEE NOTE 5

47E 382429

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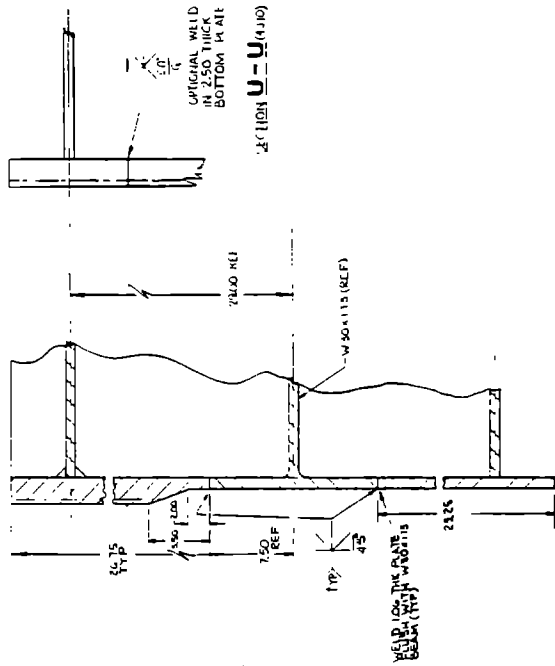
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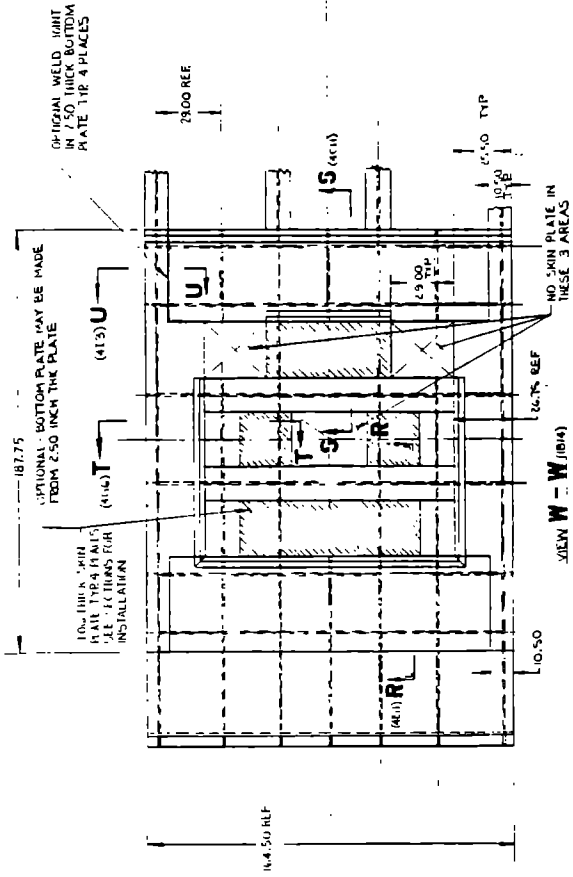
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BEDPLATE STRUCTURE
(WELDMENT)
WTG MOD 5A
47E382429

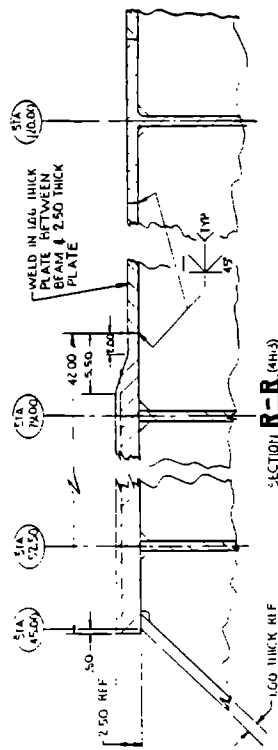
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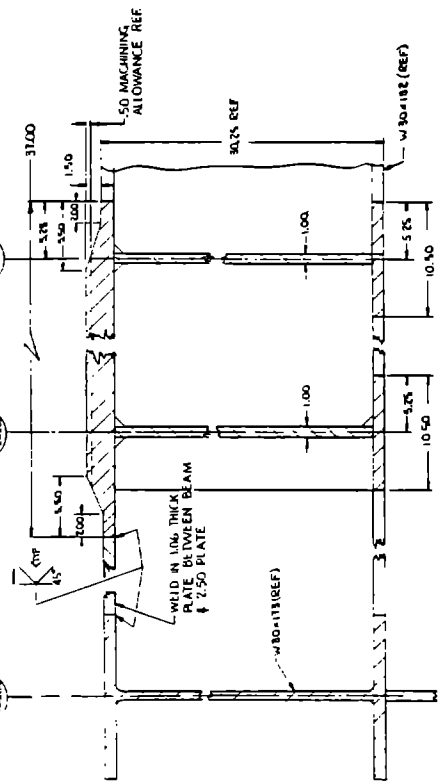
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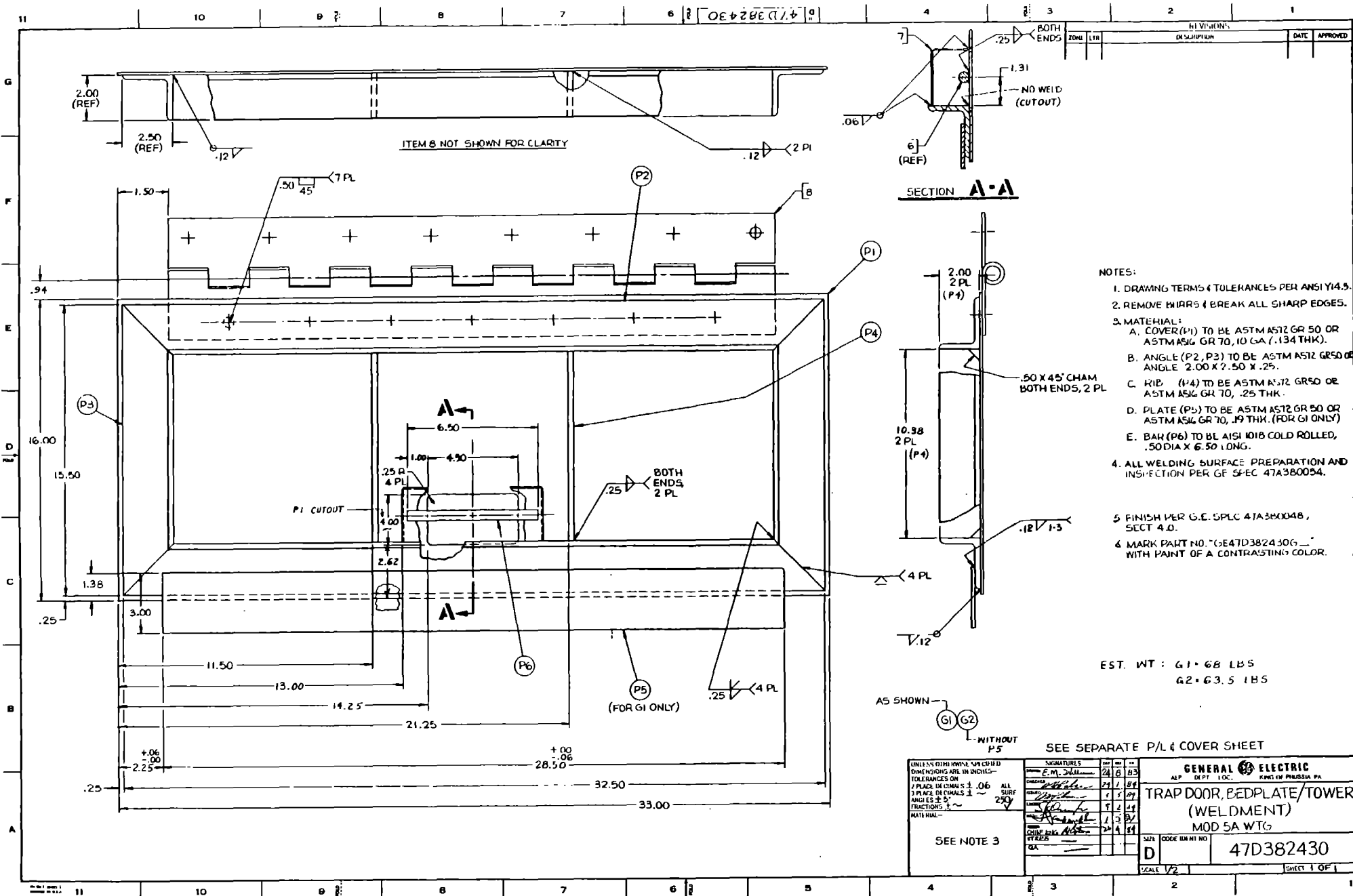
VIEW W-W (1/4)



SECTION R-R (4/13)

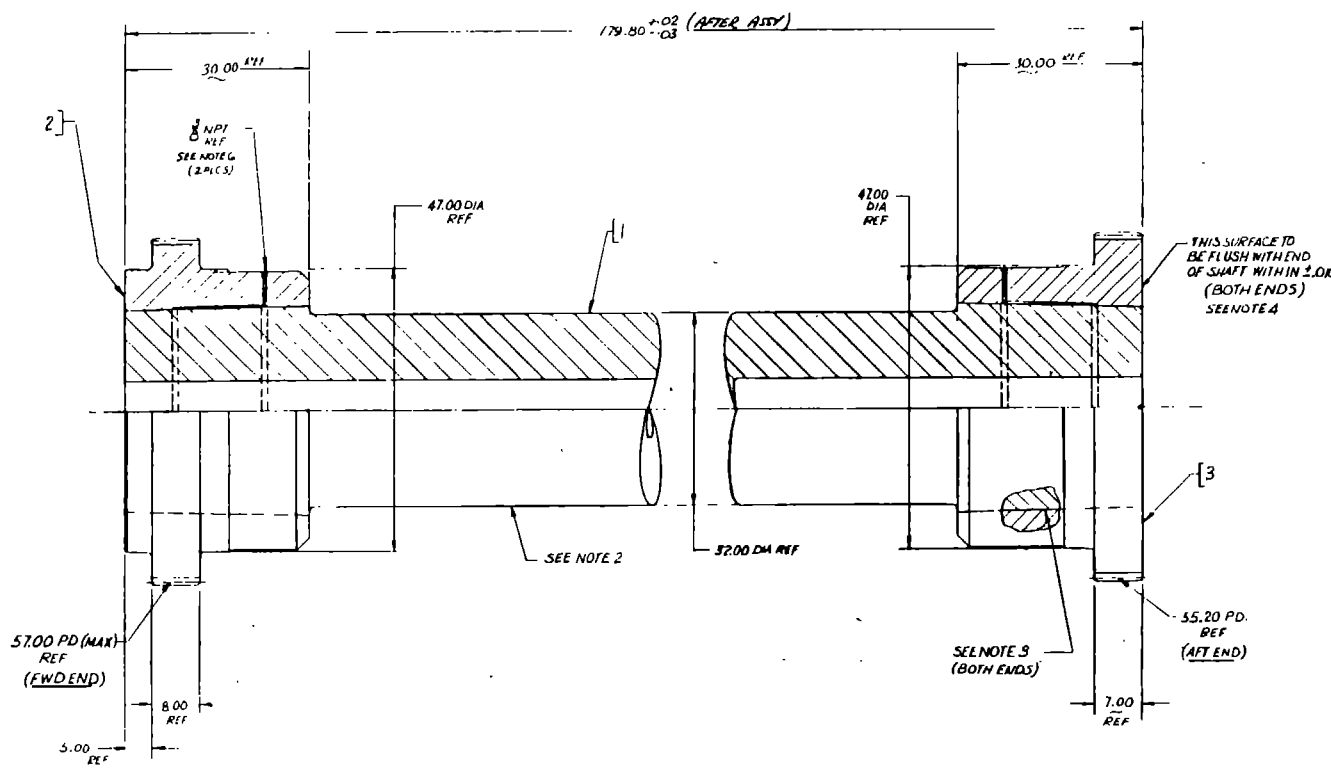


SECTION S-S (4/13)



REVISED

ZONE		REV. NO.		DESCRIPTION	DATE	APPROVED



- NOTES:
- 1-DWG TERMS & TOL PER ANSI Y14.3
 - 2-MARK GE 47D382435 GI WHERE INDICATED WITH PAINT OF CONTRASTING COLOR AFTER FINISHING PER NOTE B
 - 3-TAPERS TO BE .042-.0000 TO MATCH GENERAL ELECTRIC MASTER GAUGES - TAPERS IN THE BORES OF ITEMS 2 & 3 TO BE .042 INCHES ON DIA PER INCH OF LENGTH. TAPERS BLUED TO 90% CONTACT WITH GAUGE
 - 4-HUBS TO BE INSTALLED ON SHAFT BY SHRINK FIT HEAT HUBS TO 600° F MAX & ASSEMBLE ON SHAFT
 - 5-CLEAN MATING SURFACES OF M/B & SHUT WITH DEGREASING SOLVENT
 - 6- PIPE TAP FOR HYDRAULIC DISASSEMBLY ONLY
 - 7- SPRING TEETH TO BE PROTECTED FROM DAMAGE DURING ASSEMBLY ON TO SHAFT AND TO BE MARKED OFF FOR CLEANING AND PAINTING PER NOTE B
- B- CLEAN, PRIME AND FINISH PAINT PER GE SPEC. 47A380088, COLOR BLUE

ORIGINAL DRAWING OF POOR QUALITY

(GI)

SEE SEPARATE P/L & C/S.

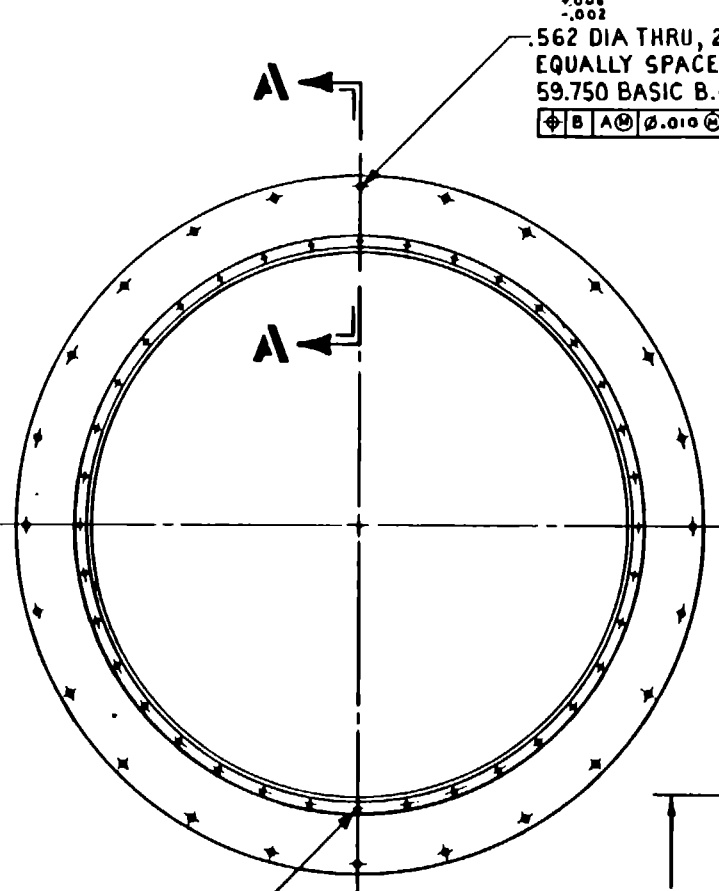
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± FRACTIONS ± MATERIAL -	SIGNATURES		DATE	
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	ALL SURF		72 9 63	
			4 10 63	
			27 7 63	
			8 9 63	
			1 11 63	
			2 15 63	
			3 7 63	
GENERAL ELECTRIC KING OF PRUSSIA, PA.		LOW SPEED SHAFT ASSY		
MOD. 5A WTG		SIZE (CODE IDENT NO)		
D		47D382435		
SCALE 1/2		SHEET 1		

REVISED 47D382435 WTG 504

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

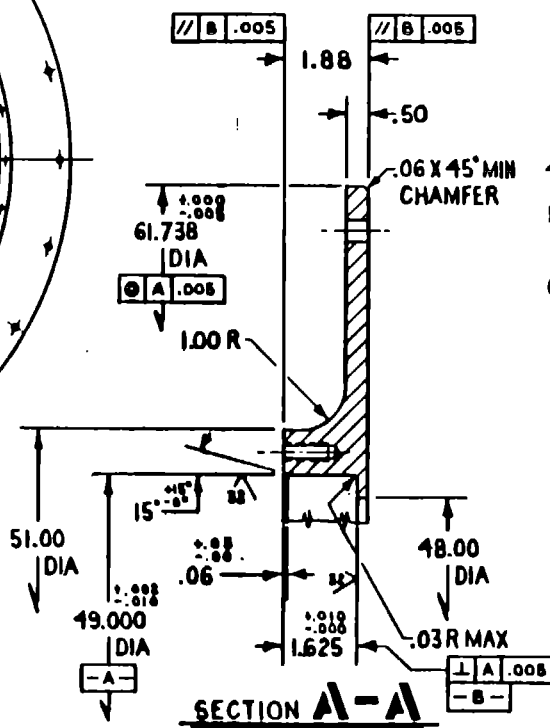
E
D
C
B
A

E
D
C
B
A



$\pm .001$
 $-.002$
.562 DIA THRU, 24 PLACES
EQUALLY SPACED ON A
59.750 BASIC B.C.
[Symbol] B [Symbol] A [Symbol] .010 [Symbol]

.375 - 16 UNC - 2B TAP X 1.00 DP
36 PLACES EQUALLY ON A
50.000 BASIC B.C.
[Symbol] B [Symbol] A [Symbol] .010 [Symbol]



SECTION A-A

- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.6.
 2. REMOVE ALL BURRS AND SHARP EDGES.
 3. MATERIAL: ALLOY STEEL PER ASTM A36.
 4. FINISH PER G.E. SPEC 47A380048, SECT 4.O.
 5. MARK "GE47C382436 PI" WHERE INDICATED USING PAINT OF CONTRASTING COLOR.
 6. ESTIMATED WEIGHT 230 LBS.

ORIGINAL PAGE IS
OF POOR QUALITY

(PI)

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES—
TOLERANCES ON
2 PLACE DECIMALS $\pm .01$ ALL
3 PLACE DECIMALS $\pm .005$ SURF
ANGLES $\pm 1/2^\circ$
FRACTIONS $\pm 1/16$

SIGNATURES				DAY	MO	YR
DRAWN	<i>[Signature]</i>	18	1	84		
CHECKED	<i>[Signature]</i>	16	1	84		
ISSUED	<i>[Signature]</i>	8	3	89		
ENGR'G	<i>[Signature]</i>	24	1	84		
APP'G	<i>[Signature]</i>	7	3	84		
MATERIAL	<i>[Signature]</i>	7	3	84		

GENERAL ELECTRIC
AEP -DEPT LOC. KING OF PRUSSIA, PA

SEAL RETAINER, COUPLING

MOD - 5A

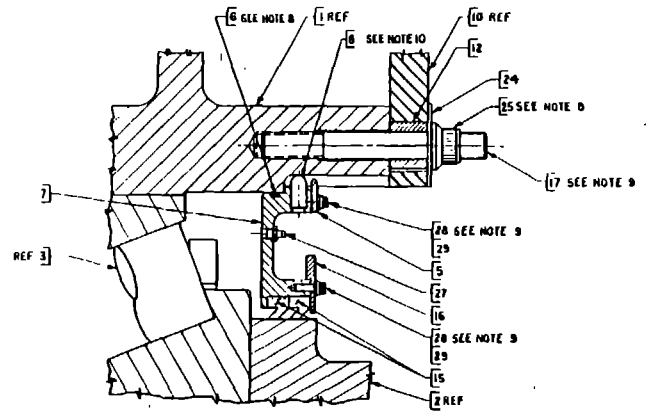
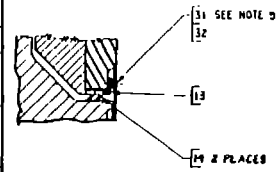
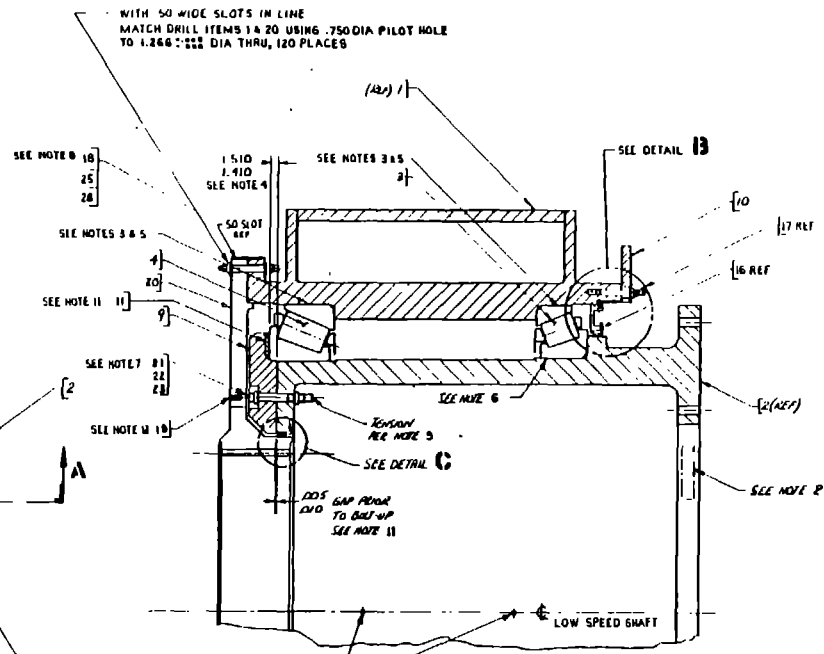
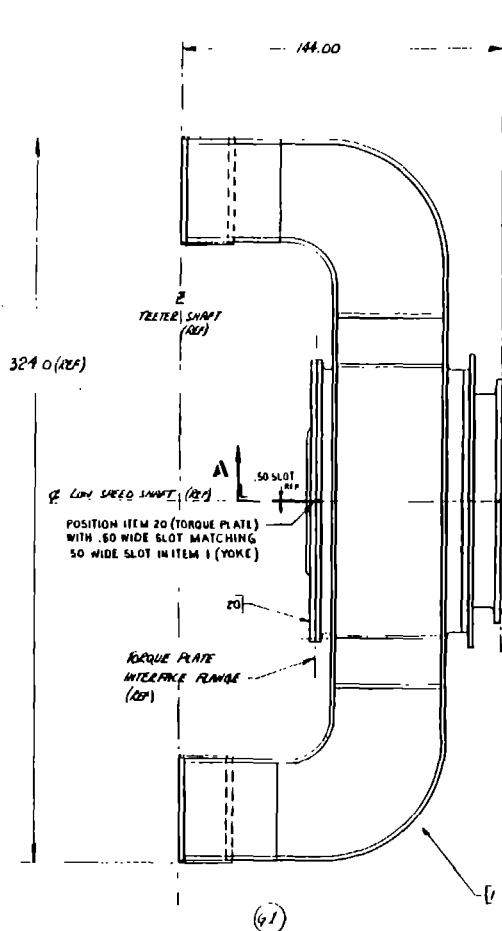
SIZE CODE IDENT NO. **47C382436**

SCALE 1/8 SHEET 1 OF 1

PI	APP'G	MOD - 5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

SEE NOTE 3

REV
SIZE C 47C382436 WTG - 504



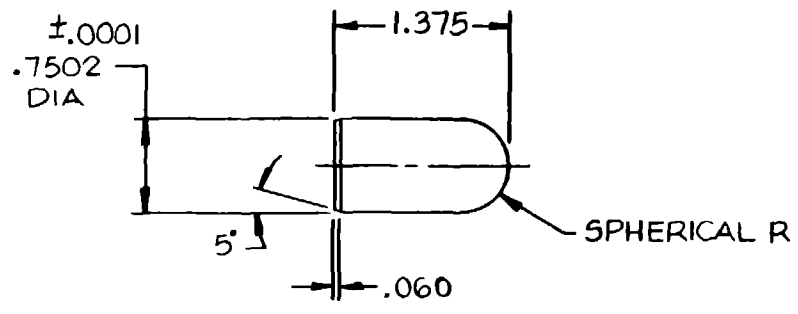
- GENERAL NOTES**
1. DRAINING TURNS AND TOLERANCES PER ANSI Y14.5
 2. MARK ASSY BE 47E382441 61 VALUES INDICATED WITH SHADER STRIP OR PAINT OF CONTRASTING COLOR.
 3. INSTALL BEARINGS AND SPINDLE SHAFT PER GE SPEC 47A309101.
 4. TOLERANCE DIMENSIONS INDICATED ARE RESULTS OF DIMENSIONAL SET-UP BETWEEN DRAWING AND HOLDING SHOULDERS.
 5. SHIM FIT OUTER RACES OF BEARINGS ITEM 319 AND YOKE WHEN ENDER RACES ARE A GOOD FIT AGAINST SHOULDERS OF YOKE BORE NO CONTINUOUS GAP PERMITTED AROUND SHOULDERS. ALL SURFACE SHOULD BE WIPED CLEAN PRIOR TO FIT UP NOMINAL INTERFERENCE IS .002 TO .010 INCHES TIGHT ON DIA.
 6. INSTALL WEEB RACE AND ROLLER SET ITEM 3 AND SPINDLE SHAFT ITEM 2 WITH LIGHT SLIDE FIT ENDER RACE IS A GOOD FIT AGAINST SHOULDERS OF SPINDLE SHAFT NO CONTINUOUS GAP PERMITTED AROUND SHOULDERS. ALL SURFACE SHOULD BE WIPED CLEAN PRIOR TO FIT UP.
 7. PRIOR TO TIGHTENING CLAMPING BOLTS, IDENTIFY YOKE HOLES AND (2) COMPLETE REVOLUTIONS ABOUT SPINDLE AXIS AND CHECK FOR FILE RUNNING AND SCALING OF BOREWAYS.
 8. INSTALL O-RING ITEM 6 INTO SEAL RETAINER ITEM 7 PRIOR TO INSTALLATION INTO YOKE BORE.
 9. TENSION ALL BOLTS & STUDS PER GE SPEC 47A3000-47.
 10. PRESS ANTI-ROTATION PINS (ITEM 6) INTO ROTOR SEAL RETAINER, AFT (ITEM 7). PINS TO PROTRUDE FROM HOLE .375 MAX.
 11. GRIND UNCHAMFERED FACE OF ROTOR BRG SHIM (ITEM 11) TO GIVE PRELOAD GAP OF .005 TO .010 INS. MAX BETWEEN SPINDLE SHAFT (ITEM 2) AND ROTOR BRG RETAINER (ITEM 8).
 12. PRESS FIT PLUG (ITEM 15) INTO TORQUE PLATE (ITEM 20) UNTILL FLUSH WITH OUTSIDE SURFACE.
 13. ESTIMATED WEIGHT 220,000 LBS.

SEE SEPARATE P/L AND C/B

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FINISH DIMENSIONS UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	<table border="1"> <tr><td>ASSEMBLY</td><td>47E382441</td></tr> <tr><td>REV</td><td>1</td></tr> <tr><td>DATE</td><td>11/11/77</td></tr> <tr><td>BY</td><td>...</td></tr> <tr><td>CHKD</td><td>...</td></tr> <tr><td>APP'D</td><td>...</td></tr> <tr><td>ENG</td><td>...</td></tr> <tr><td>DRG</td><td>...</td></tr> <tr><td>MANUFACTURING</td><td>...</td></tr> <tr><td>INSPECTION</td><td>...</td></tr> <tr><td>REWORK</td><td>...</td></tr> <tr><td>REVISIONS</td><td>...</td></tr> </table>	ASSEMBLY	47E382441	REV	1	DATE	11/11/77	BY	...	CHKD	...	APP'D	...	ENG	...	DRG	...	MANUFACTURING	...	INSPECTION	...	REWORK	...	REVISIONS	...
ASSEMBLY	47E382441																								
REV	1																								
DATE	11/11/77																								
BY	...																								
CHKD	...																								
APP'D	...																								
ENG	...																								
DRG	...																								
MANUFACTURING	...																								
INSPECTION	...																								
REWORK	...																								
REVISIONS	...																								
<p>GENERAL INFORMATION</p> <p>47E382441</p> <p>YOKE/SPINDLE ASSEMBLY - MOD SA</p> <p>47E382441</p> <p>SCALE: NONE</p> <p>SHEET 1 OF 1</p>	<p>SEE SEPARATE P/L AND C/B</p>																								

SIZE **B** 47B382454 SHEET 1 OF 1

REVISIONS				
ZONL	ITR	DESCRIPTION	DATE	APPROVED



NOTES:

1. DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
2. REMOVE ALL BURRS AND SHARP EDGES.
3. MATERIAL: ALLOY STEEL PER ASTM A36.
4. FINISH PER G.E. SPEC 47A380048, PARA 4.4.
5. BOX OR BAG AND TAG WITH G.E. PART NO. "47B382454PI"

(PI)

PI	47E382441G1	MOD-5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:
 FRACTIONS DECIMALS ANGLES
 ± ~ ± 1/2
 XXX - ± .010
 ALL SURFACES 32/
 MATL.
 SEE NOTE 3

SIGNATURES				DAY	MO	YR
DRAWN	<i>E.M. Williams</i>	6	12	83		
CHECKED	<i>A.J. Adick</i>	19	12	83		
ISSUED	<i>G. Hoop</i>	3	5	84		
ENGRD	<i>S. J. ...</i>	20	12	83		
MFG	<i>S. J. ...</i>	20	4	84		

GENERAL ELECTRIC
 DEPT LOC

ANTI-ROTATION PIN
 MOD-5A

SIZE CODE IDENT NO. 47B382454
 B

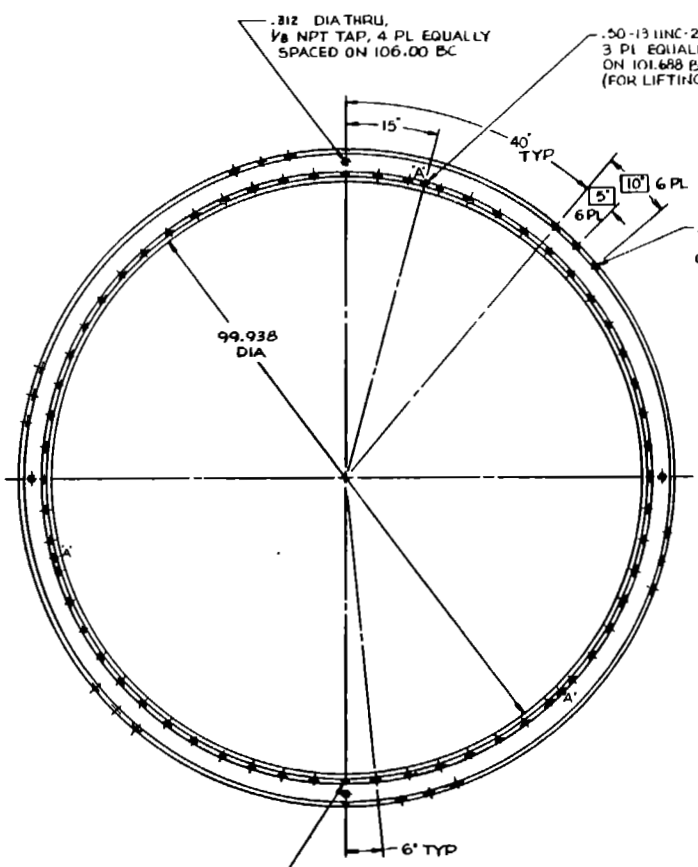
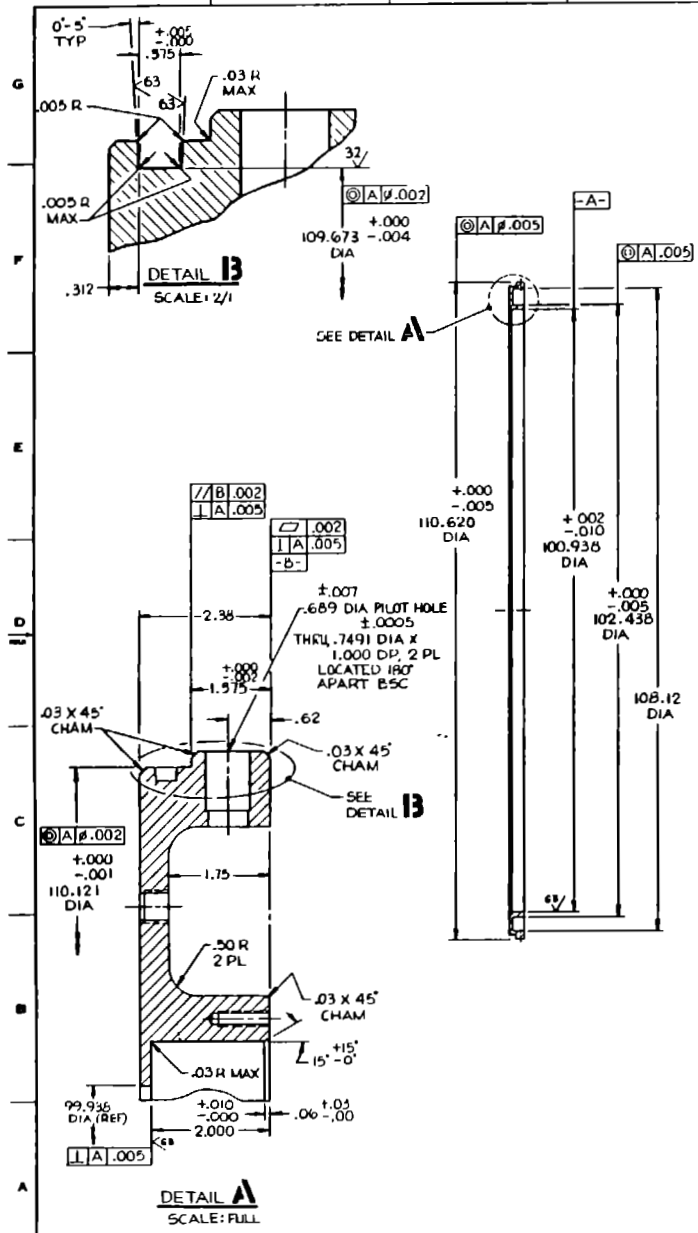
SCALE FULL SHEET 1 OF 1

FIGURE 1 (12-78) PRINTED IN U.S.A.

W.T.G. - 500

47D382456

REV	DATE	DESCRIPTION	APPROVED



ORIGINAL PAGE IS OF POOR QUALITY

- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.5
 2. REMOVE ALL BURRS AND BREAK SHARP EDGES.
 3. MATERIAL: ALLOY STEEL PER ASTM A572, GR 50.
 4. FINISH PER G.E. SPEC 41A380048, SECT 4.4.
 5. MARK PART NO. "GE47D382456PI" USING RUBBER INK STAMP.
 6. ESTIMATED WEIGHT 625 LBS.
 7. ALTERNATE METHOD OF MANUFACTURE:
 - (a) PART MAY BE MADE FROM 2.50 x 6.0 BAR STOCK AND ROLLING TO RING SHAPE AND WELDING JOINT.
 - (b) OR BY WELDING 4 TO 6 ROLLED RING SEGMENTS AND WELDING JOINTS.
 IF WELDING IS USED - WELDS SHOULD BE FULL PENETRATION WELDS AND BROWN FINISH ON BOTH SIDES - WELD PER GE SPEC. 41A380054

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - TOLERANCES ON: 2 PLACES IN SQUARES ± .03 3 PLACES DECIMALS ± .000 FRACTIONS ± .001 MATERIAL: ALLOY STEEL

SHEET NO.	TOTAL SHEETS	DATE	BY	CHKD
2	10	11/10/55	ALP	
3	10	11/10/55		
4	10	11/10/55		
5	10	11/10/55		
6	10	11/10/55		
7	10	11/10/55		
8	10	11/10/55		
9	10	11/10/55		
10	10	11/10/55		

GENERAL ELECTRIC
 ROTOR SEAL RETAINER, AFT
 MOD-5A W1G
 47D382456

PI	47E38744IG	MOD-5A
PLUFF	WELT AREY	USED ON
	APPLICATION	

SEE NOTE 3

SCALE 1/10
 SHEET 1 OF 1

47D382456 WTC-500

1978 FCIV

SIGNATURES		DATE	APPROVED
ZONE	LTR		
DESCRIPTION			

11
10
9
8
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6
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4
3
2
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F
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D
C
B
A

///A .010
-A-
+0.000
-0.002

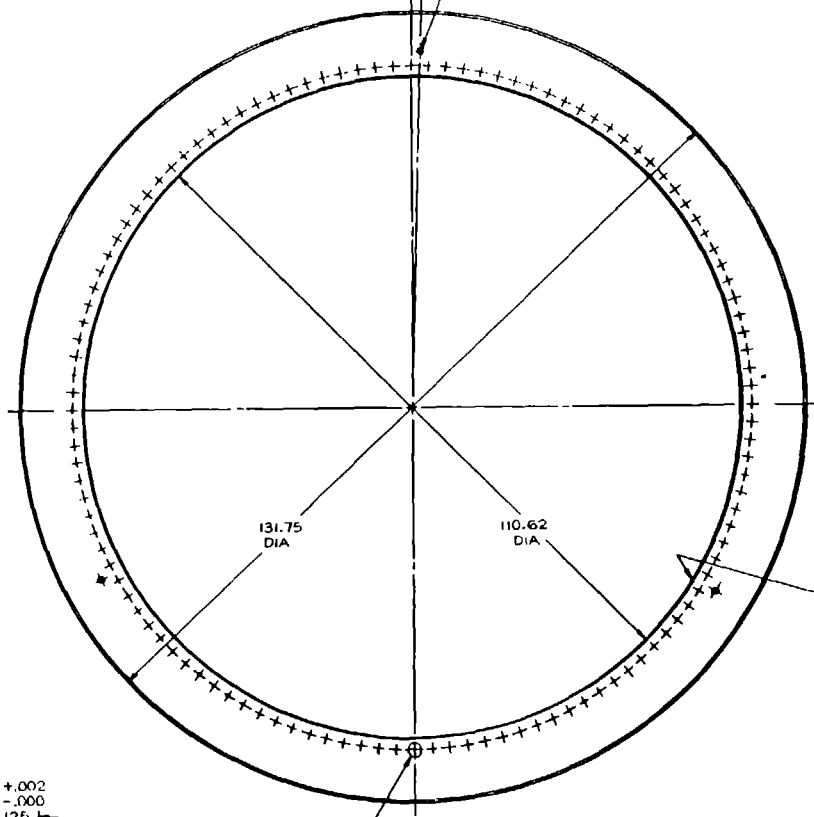
1.750

1.00 ± UNC - 2B TAP THRU,
3 PL. EQUALLY SPACED
ON 119.250 BC
(FOR LIFTING PURPOSES ONLY)

1 1/2

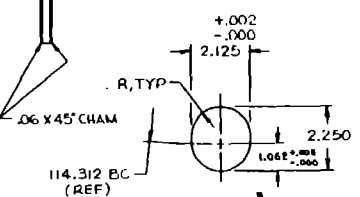
ORIGINAL PAGE IS
OF POOR QUALITY

- NOTES:
- DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
 - REMOVE ALL BURRS AND SHARP EDGES.
 - MATERIAL: ALLOY STEEL PER ASTM 572, GR 50.
 - FINISH PER G.E. SPEC 47A380048. APPLY 2 COATS OF HEAT RESISTING BLACK ENAMEL PER SPEC TT-E-496.
 - MARK PART NO "GL41D382457P1" USING PAINT OF A CONTRASTING COLOR.
 - ESTIMATED WEIGHT 2040 LBS.



SEE NOTE 5

.06 X 45° CHAM



DETAIL A
120 PLACES
SCALE: 1/2

120 SLOTS EQ SPACED ON
114.312 BC BSC

⊕ .030 A

SEE DETAIL A

(P1)

PI	47E382441G1	MOD-5A
APPROVED	DATE	SCALE

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES—
FOR ENGLISH UNITS
2 PLACE DECIMALS ± .01
3 PLACE DECIMALS ± .005
ANGLES & RADIUSES ± .005
FRACTIONS ± .005
MATERIAL—

SEE NOTE 3

SIGNATURES	DATE	SCALE
DESIGNED	19 10 83	
DRAWN	20 12 83	
CHECKED	3 1 84	
APPROVED	2 12 83	
DATE	1 5 84	

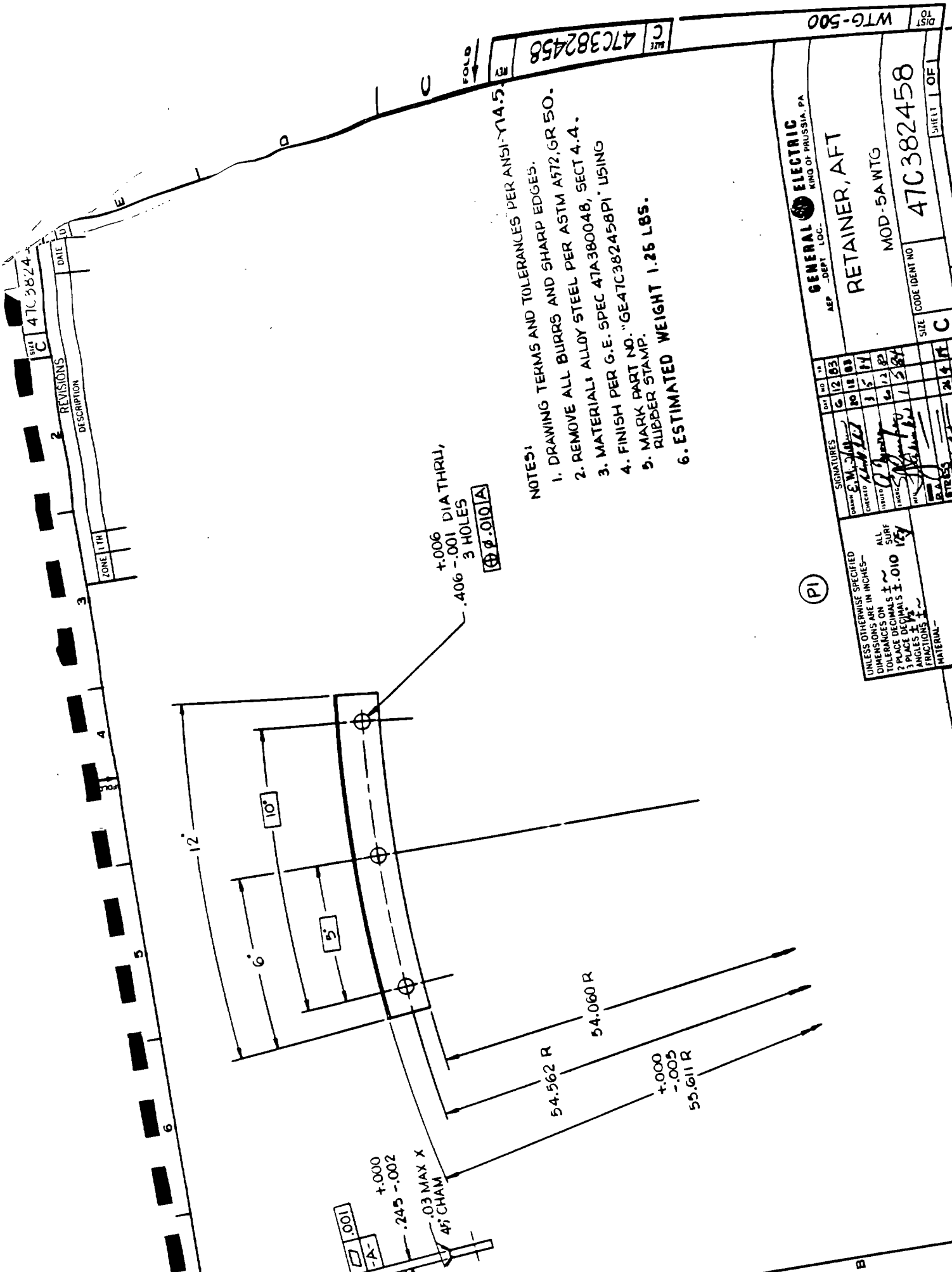
GENERAL ELECTRIC
A.P. DEPT 100
GENEVA, PENNSA. PA.

LOW SPEED BRAKE DISC

MOD-5A WTG

SIZE CODE IDENT NO
D 47D382457

SCALE 1/10 SHEET 1 OF 1



1.006 DIA THRU,
.406 3 HOLES
Ⓢ .010 A

NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
2. REMOVE ALL BURRS AND SHARP EDGES.
3. MATERIAL: ALLOY STEEL PER ASTM A572, GR 50.
4. FINISH PER G.E. SPEC 47A380048, SECT 4.4.
5. MARK PART NO. "GE47C382458PI" USING RUBBER STAMP.
6. ESTIMATED WEIGHT 1.25 LBS.

(PI)

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES—
1. ALL SURF
2. PLACE DECIMALS ± .010
3. PLACE DECIMALS ± .010
4. ANGLES ±
FRACTIONS ±
MATERIAL—

SEE NOTE 3

REV	DATE	DESCRIPTION
1		
2		
3		

WTG-500

47C382458

GENERAL ELECTRIC
KIND OF PRUSSIA, PA
AEP -DEPT. LOC.

RETAINER, AFT
MOD-5AWTC

47C382458

SIGNATURES	DATE	NO.	BY
DESIGNER	6/12/83	1	BY
DRWING	6/12/83	2	BY
INSTR	6/12/83	3	BY
CHKD	6/12/83	4	BY
APP	6/12/83	5	BY
DATE	6/12/83	6	BY
SCALE	1/2	7	BY
SIZE	C	8	BY
SHEET	1	9	OF 1

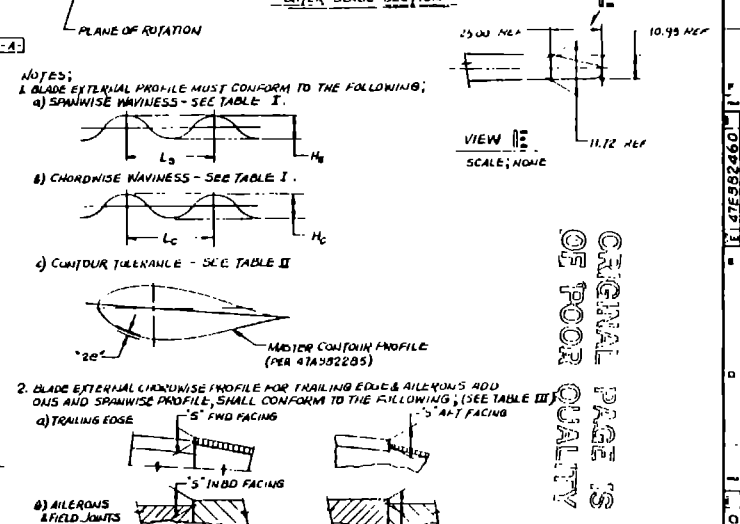
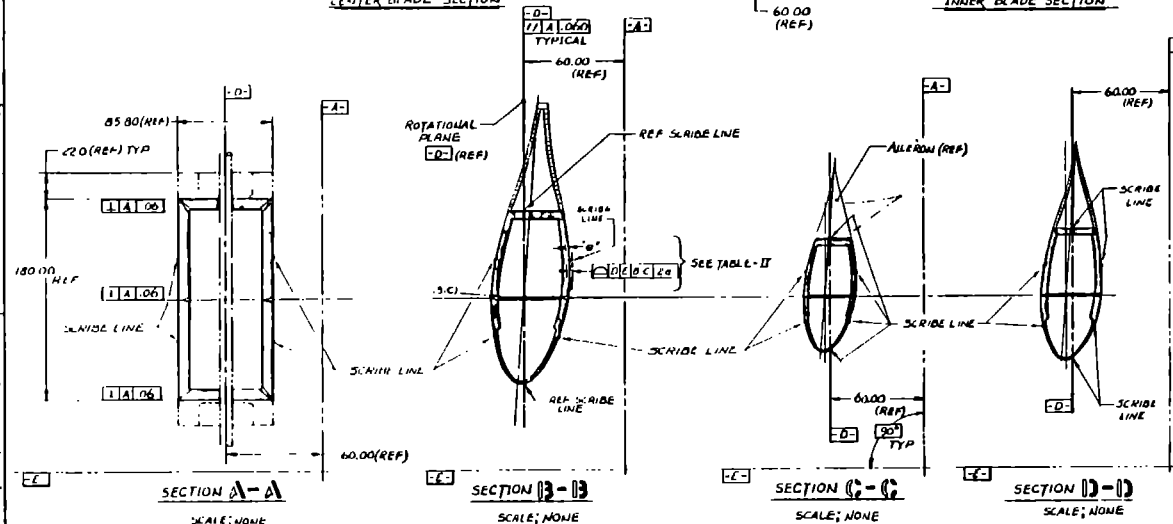
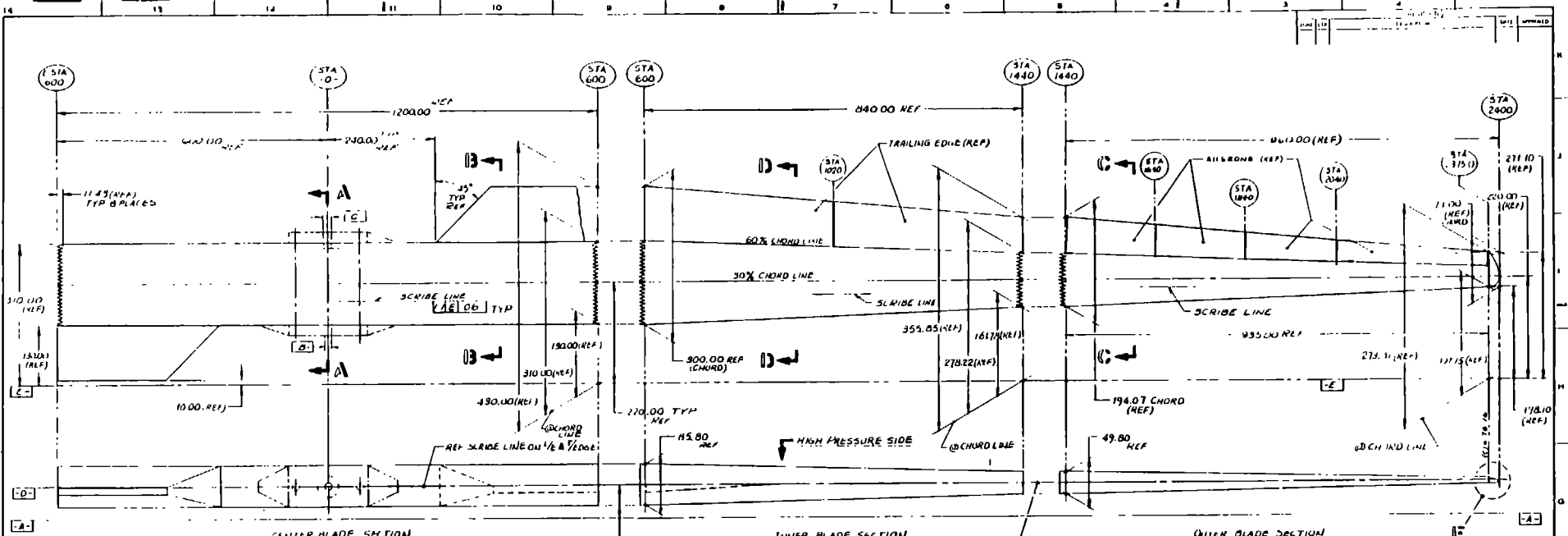


TABLE I - WAVINESS TOLERANCE

STATION	SPANWISE	CHORDWISE	H ₃	H ₄
0-600	0.000	0.075	0.150	0.090
600-1020	0.030	0.090	0.070	0.090
1020-1440	0.027	0.060	0.070	0.060
1440-1740	0.027	0.060	0.007	0.060
1740-2040	0.027	0.050	0.007	0.060
2040-2400	0.078	0.040	0.006	0.040

TABLE II - CONTOUR TOLERANCE

STATION	TOLERANCE BAND 1	TOLERANCE BAND 2
0-600	.10	.20
600-1020	.10	.20
1020-1440	.06	.12
1440-1740	.06	.12
1740-2040	.06	.12
2040-2400	.03	.07

TABLE III - JOINT TOLERANCES

STATION	5" FWD FACING	5" AFT FACING	5" INBD FACING	5" OUTBD FACING
0-600	.18	.31	-	-
600-1020	.18	.31	-	-
1020-1440	.06	.09	-	-
1440-1740	.06	.09	.06	.06
1740-2040	.06	.09	.06	.06
2040-2400	.06	.09	-	-

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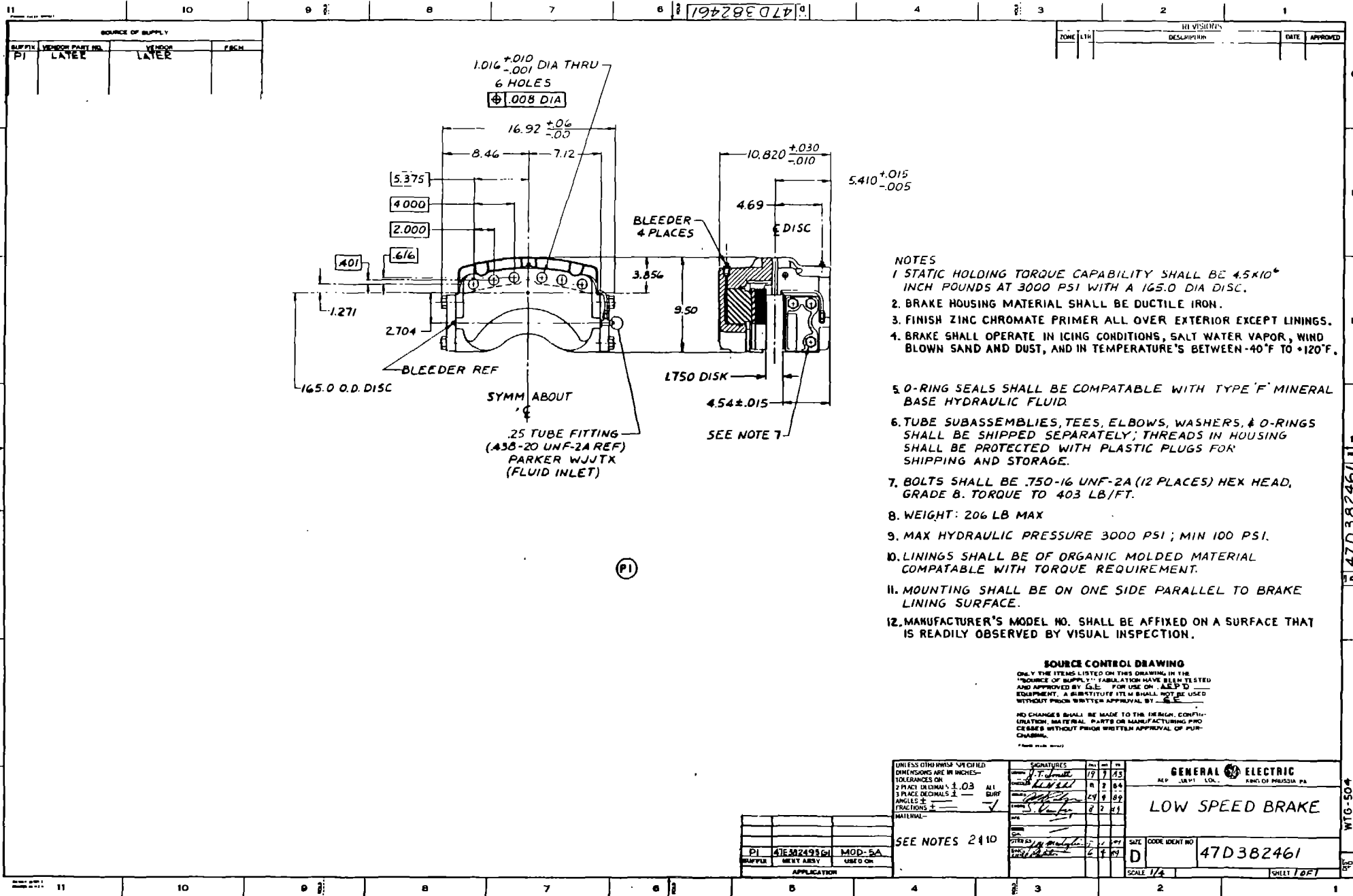
GENERAL INFORMATION

PROJECT: ROTOR BLADE TOLERANCE DIAGRAM (ALLERONS)

DATE: N/A

SCALE: 1/2" = 1'-0"

47E382460



- NOTES
1. STATIC HOLDING TORQUE CAPABILITY SHALL BE 4.5K10* INCH POUNDS AT 3000 PSI WITH A 165.0 DIA DISC.
 2. BRAKE HOUSING MATERIAL SHALL BE DUCTILE IRON.
 3. FINISH ZINC CHROMATE PRIMER ALL OVER EXTERIOR EXCEPT LININGS.
 4. BRAKE SHALL OPERATE IN ICING CONDITIONS, SALT WATER VAPOR, WIND BLOWN SAND AND DUST, AND IN TEMPERATURE'S BETWEEN -40°F TO +120°F.
 5. O-RING SEALS SHALL BE COMPATABLE WITH TYPE 'F' MINERAL BASE HYDRAULIC FLUID.
 6. TUBE SUBASSEMBLIES, TEES, ELBOWS, WASHERS, & O-RINGS SHALL BE SHIPPED SEPARATELY; THREADS IN HOUSING SHALL BE PROTECTED WITH PLASTIC PLUGS FOR SHIPPING AND STORAGE.
 7. BOLTS SHALL BE .750-16 UNF-2A (12 PLACES) HEX HEAD, GRADE 8. TORQUE TO 403 LB/FT.
 8. WEIGHT: 206 LB MAX
 9. MAX HYDRAULIC PRESSURE 3000 PSI; MIN 100 PSI.
 10. LININGS SHALL BE OF ORGANIC MOLDED MATERIAL COMPATABLE WITH TORQUE REQUIREMENT.
 11. MOUNTING SHALL BE ON ONE SIDE PARALLEL TO BRAKE LINING SURFACE.
 12. MANUFACTURER'S MODEL NO. SHALL BE AFFIXED ON A SURFACE THAT IS READILY OBSERVED BY VISUAL INSPECTION.

SOURCE CONTROL DRAWING
 ONLY THE ITEMS LISTED ON THIS DRAWING IN THE "SOURCE OF SUPPLY" TABULATION HAVE BEEN TESTED AND APPROVED BY G.E. FOR USE ON A.E.S.D. EQUIPMENT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL BY G.E.
 NO CHANGES SHALL BE MADE TO THE DESIGN, CONFIGURATION, MATERIAL, PARTS OR MANUFACTURING PROCESSES WITHOUT PRIOR WRITTEN APPROVAL OF PURCHASER.

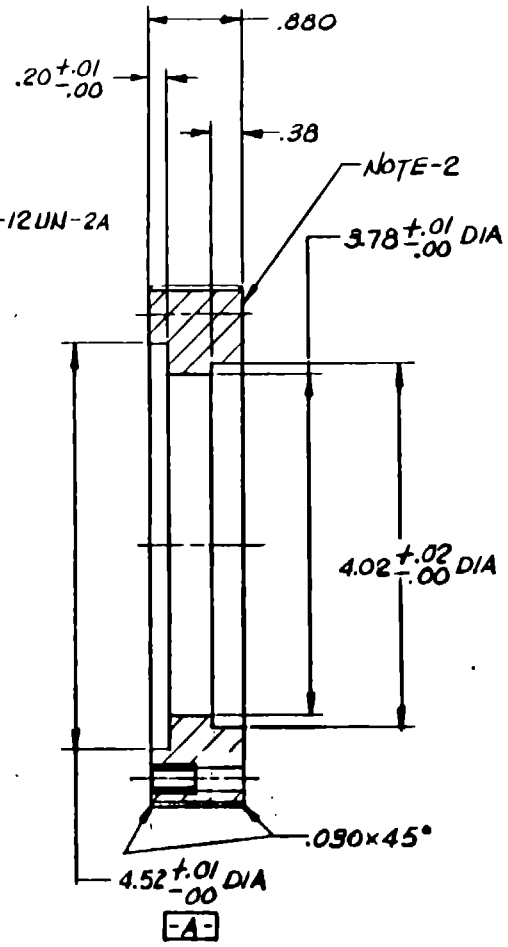
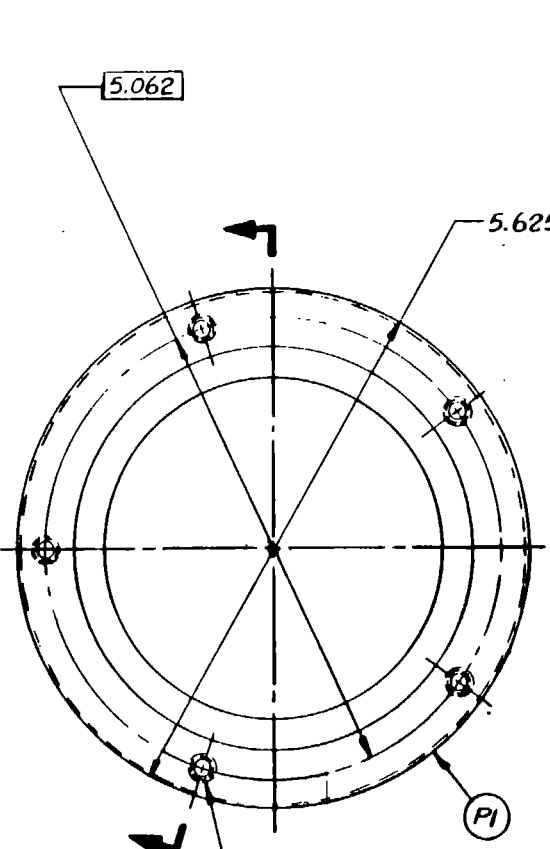
SOURCE OF SUPPLY			
SUFFIX	VENOR PART NO.	VENOR	FACT
PI	LAYER	LAYER	

ZONE	LINE	DESCRIPTION	DATE	APPROVED

11	10	9	8	7	6	5	4	3	2	1																																												
47D382461																																																						
(P1)																																																						
SEE NOTES 2410																																																						
<table border="1"> <tr> <td>PI</td> <td>47E502493G1</td> <td>MOD-5A</td> </tr> <tr> <td>SUFFIX</td> <td>VENOR PART NO.</td> <td>VENOR</td> </tr> <tr> <td colspan="3">APPLICATION</td> </tr> </table>						PI	47E502493G1	MOD-5A	SUFFIX	VENOR PART NO.	VENOR	APPLICATION			<table border="1"> <tr> <td colspan="2">SIGNATURES</td> <td>DATE</td> <td>BY</td> </tr> <tr> <td><i>[Signature]</i></td> <td></td> <td>7/7/53</td> <td></td> </tr> <tr> <td><i>[Signature]</i></td> <td></td> <td>8/2/54</td> <td></td> </tr> <tr> <td><i>[Signature]</i></td> <td></td> <td>2/9/57</td> <td></td> </tr> <tr> <td><i>[Signature]</i></td> <td></td> <td>2/2/51</td> <td></td> </tr> <tr> <td colspan="2">CHECKED</td> <td>DATE</td> <td>BY</td> </tr> <tr> <td><i>[Signature]</i></td> <td></td> <td>2/7/57</td> <td></td> </tr> </table>					SIGNATURES		DATE	BY	<i>[Signature]</i>		7/7/53		<i>[Signature]</i>		8/2/54		<i>[Signature]</i>		2/9/57		<i>[Signature]</i>		2/2/51		CHECKED		DATE	BY	<i>[Signature]</i>		2/7/57								
PI	47E502493G1	MOD-5A																																																				
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-		TOLERANCES ON																																																				
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D		47D382461																																																				
SCALE 1/4" = 1" (WELL 1 OF 1)																																																						

47D382461 110 WTG-504

ZONE		DESCRIPTION		DATE	APPROVED



- NOTES;
1. DRAWING TERMS & TOLERANCES PER ANSI-Y14.5.
 2. MARK 'GE 47C382463G1' BY ANY SUITABLE MEANS.
 3. BREAK ALL SHARP EDGES & CORNERS, .03 R MAX.
 4. COAT INSERT, ITEM-2, WITH WET ZINC CHROMATE PRIMER AND INSTALL PER MFG'S INSTRUCTIONS.

2 (SEE NOTE-4)
 .266 ±.005 DIA, 5 PLACES
 ⊕ A | ⌀.015

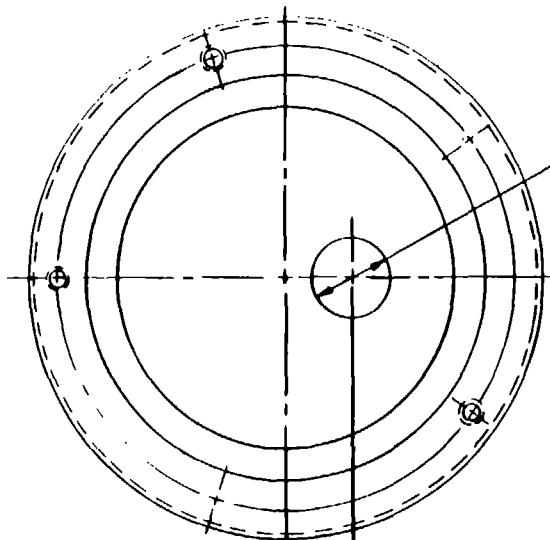
(G1)

SEE SEPARATE RL & C.S.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ON 2 PLACE DECIMALS ±.03 ALL 3 PLACE DECIMALS ±.010 SURF ANGLES ± 2° 125 FRACTIONS ±		SIGNATURES			DAY	MO	YR	GENERAL ELECTRIC AEP DEPT LOC. KING OF PRUSSIA, PA
MATERIAL— ALUM. ALY. 6061-T6 PER ASTM-B308		DRAWN	CHECKED	DESIGNED	ENGR.	DATE	RING, MOUNTING WTG, MOD-5A	
		PA	SYNOPSIS	CHIEF ENGINEER			SIZE CODE IDENT NO C 47C382463	
		SCALE 1/1		SHEET 10/1				

FOLD
 C 47C382463
 DIST. WTG. 1500

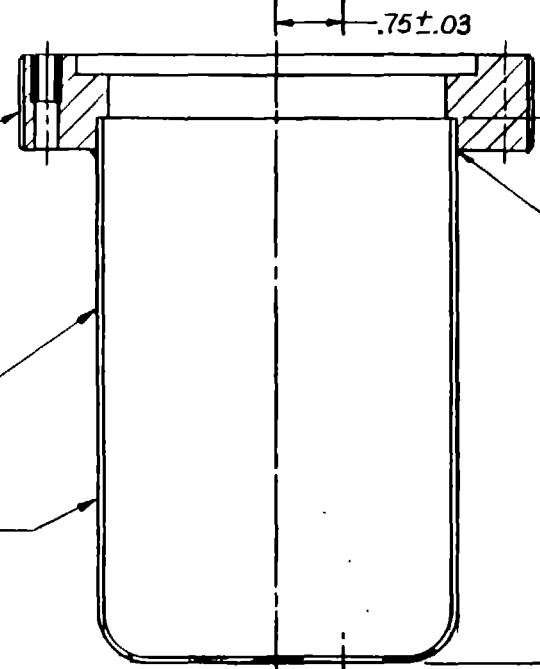
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



.891 \pm .010 DIA
(LOCATE OPPOSITE TAPPED HOLE)

NOTES:

1. DRAWING TERMS & TOLERANCES PER ANSI-Y14.5
2. MARK 'GE 47C382464G1' IN CONTRASTING COLOR.
3. WELD PER AWS D1.1.
4. FINISH ASSEMBLY (ALODINE #1000) PER GE SPEC F65E1G2.



.75 \pm .03

6.00 (REF)

.86 \pm .03 NOTE-5

SEE NOTE-2

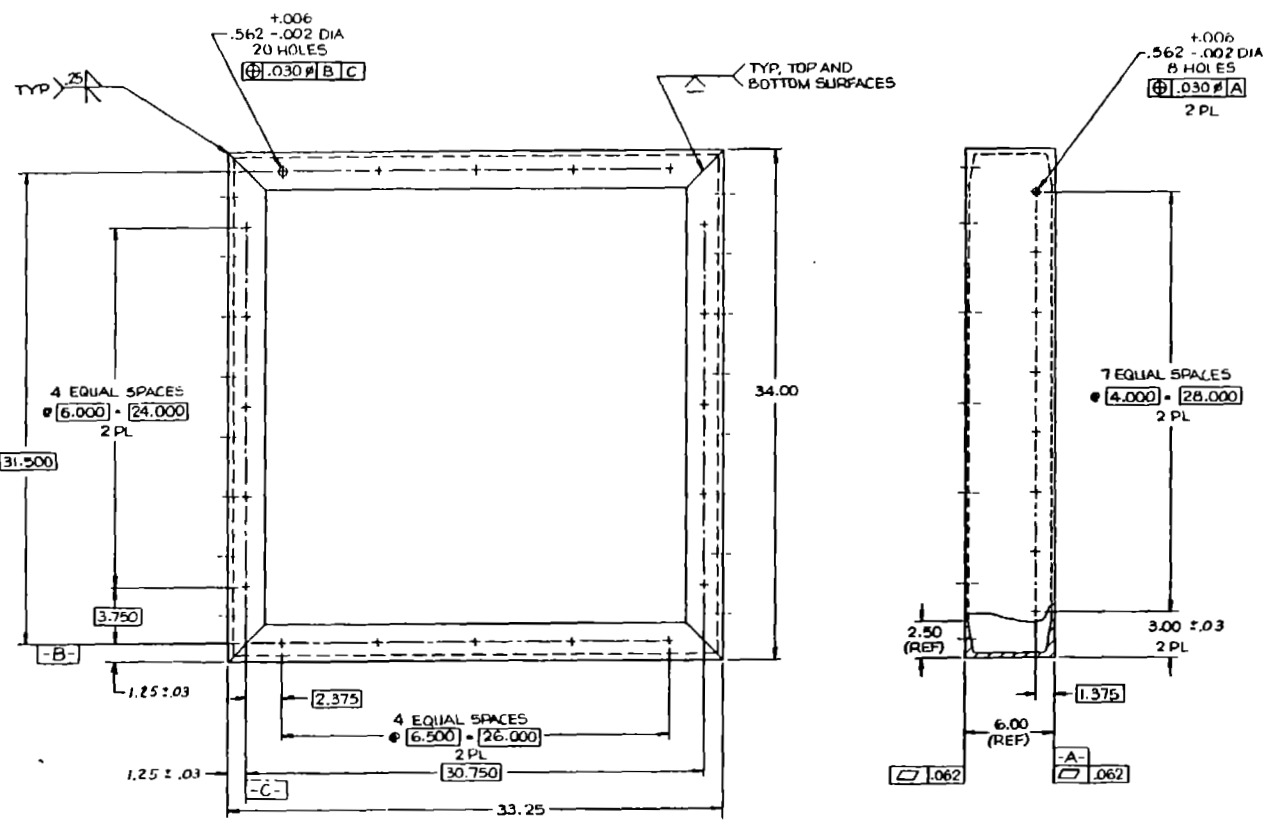
(G1)

SEE SEPARATE PL & CS.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ON 2-PLACE DECIMALS \pm 3-PLACE DECIMALS \pm ANGLES \pm FRACTIONS \pm MATERIAL—	SIGNATURES	DATE	NO	REV	GENERAL ELECTRIC AEP DEPT LOC. KING OF PRUSSIA, PA RING & HOUSING ASM (MOD 5A-WTG) SIZE CODE IDENT NO C 47C382464 SCALE 1/1 SHEET OF
	DRG: <i>[Signature]</i>	22	9	83	
	CHECKED: <i>[Signature]</i>	1	11	83	
	ISSUED: <i>[Signature]</i>	3	6	84	
	ENGR: <i>[Signature]</i>	2	11	83	
MFR: <i>[Signature]</i>	20	4	84		
	M/A				
	PA				
	SYMBOLS				
	ENTER NUMBER	26	4	84	

FOLD REV 47C382464 REV 47C382464 DIST TO 1776 500

ZONE		DESCRIPTION		DATE	APPROVED



- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
 2. REMOVE ALL BURRS AND SHARP EDGES.
 3. ALL WELDING, SURFACE PREPARATION AND INSPECTIONS PER G.E. SPEC 47A380054.
 4. POST WELD HEAT TREAT ENTIRE FRAME AFTER WELDING PER G.E. 47A380054 PARA 4.1.7
 5. FINISH PER G.E. SPEC 47A380048, SECT 4.0.
 6. MARK PART 'GE 47D382465 PI' USING PAINT OF A CONTRASTING COLOR

EST WT: 130 LBS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES -
 FOR FRANGES ON 2 PLACE DECIMALS ± .12 ALL SURF. FINISH 25μ
 3 PLACE DECIMALS ± .005
 ANGLES ± 1°
 HORIZONTALS ± .005

SIGNATURES		DATE	INITIALS
DESIGNED	E.M. [Signature]	26	B.S.J.
CHECKED	[Signature]	23	I.B.T.
DRAWN	[Signature]	3	S.P.Y.
PROD.	[Signature]	4	2.8.84
INSPECTION	[Signature]	1	5.8.84
STATUS			
SCALE	1/4"	26	8.84

PI	47E382472	NACELLE
BUFFER	NEW ASBY	USE ON
APPLICATION		

GENERAL ELECTRIC
 APP. DEPT. 100
 WIND OF PENNSYLVANIA

FRAME, TRAP DOOR, TOWER
 (WELDMENT)
 MOD 5A WTG

47D382465

SCALE 1/4" = 1"

SHEET 1 OF 1

5

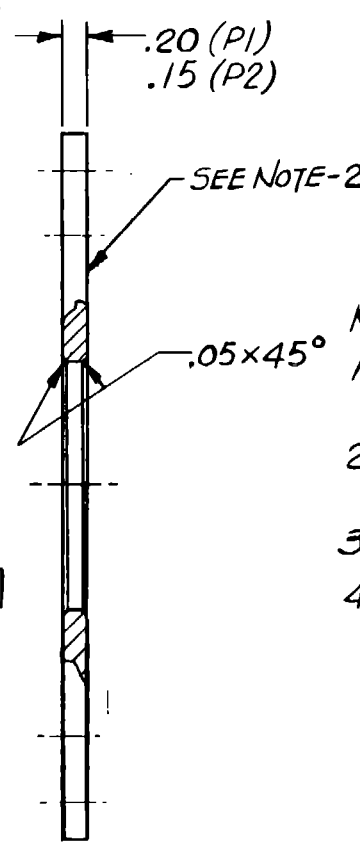
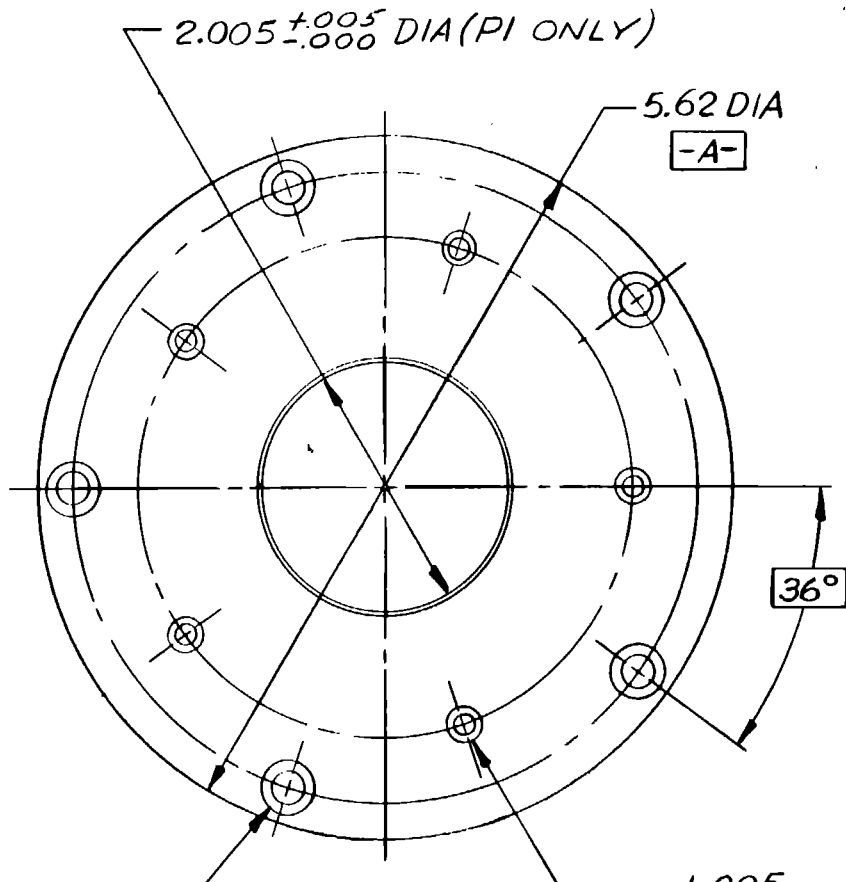
4

FOLD

3

2

SIZE B 47B382467 SHEET 1 OF 1 REV



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

- NOTES;
1. DRAWING TERMS & TOLERANCES PER ANSI-Y14.5.
 2. MARK "GE47B382467P_" IN A CONTRASTING COLOR.
 3. BREAK ALL SHARP EDGES .02R MAX.
 4. FINISH PER GE SPEC 47A380102 P2.

ORIGINAL PAGE IS OF POOR QUALITY

$.281^{+.006}_{-.001}$ DIA, CSK @ 100° TO $.516^{+.010}_{-.000}$ DIA 5 HOLES EQ SP ON 5.062 B.C.

$.140^{+.005}_{-.001}$ DIA, CSK @ 100° TO $.229^{+.005}_{-.000}$ DIA, 5 HOLES EQ SP ON 4.000 B.C.

$\text{A } \varnothing .015$ PART-1 ONLY

(P1)
(P2) SAME AS P1 EXCEPT AS SHOWN

PI, P2	47E382469	ICE DETECTOR
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:		SIGNATURES		DAY	MO	YR
FRACTIONS	DECIMALS	ANGLES	DRAWN	22	9	83
$\pm .XX \pm .01 \pm 2^{\circ}$			CHECKED	5	10	83
125/			ISSUED	3	5	84
ALL SURFACES			ENGRD	2	11	83
MATL. ALUM. ALY 6061-T6			MFG	1	5	84
PER ASTM-B308			PA			
			STRESS			
			CHIEF ENGR.	N/A		

GENERAL ELECTRIC		AEP DEPT LOC_ KING OF PRUSSIA, PA	
RETAINER, ICE DETECTOR			
(MOD 5A-WTG)			
SIZE	CODE IDENT NO.	47B382467	
B			
SCALE	1/1	SHEET 1 OF 1	

FORM 21 (2-82) PRINTED IN U.S.A.

5

4

FOLD

3

2

DIST. TO WTB-500

5

4

FOLD

3

2

SIZE B 47B382468 SHEET 1 OF 1 REV

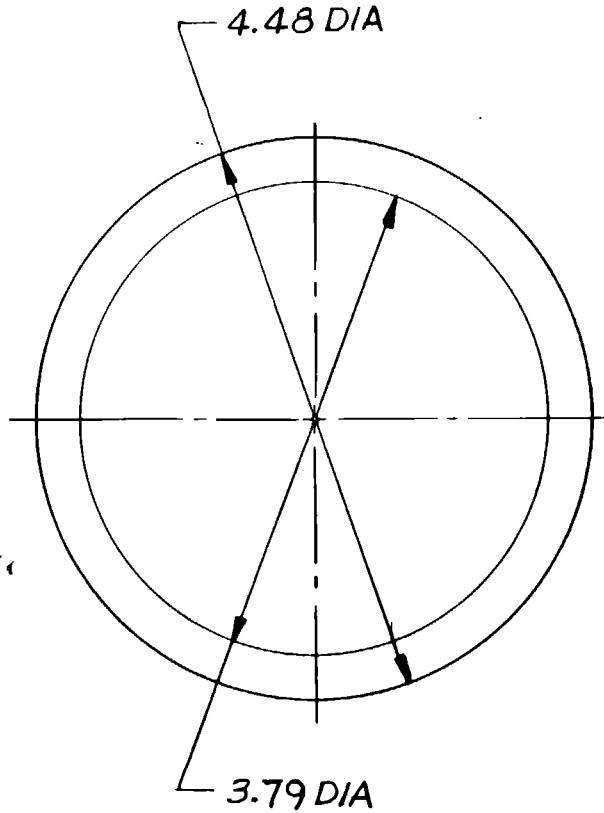
REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED

D

C

B



NOTES;

1. DRAWING TERMS & TOLERANCES PER ANSI-Y14.5.
2. MARK "GE47B382468PI" ON TAG OR BAG.

(PI)

ENG'D F. (3-80) PRINTED IN U.S.A.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: FRACTIONS DECIMALS ANGLES ± .XX ± .02 ± ALL SURFACES ✓ MATL- ARMSTRONG SILKONE RUBBERIZED CORK TY. LC-800	SIGNATURES			DAY	MO	YR
	DRAWN	<i>[Signature]</i>		22	9	83
	CHECKED	<i>[Signature]</i>		31	10	83
	ISSUED	<i>[Signature]</i>		7	2	84
	ENGRG	<i>[Signature]</i>		2	11	83
	MFG	<i>[Signature]</i>		7	2	84
	APP'ED	<i>[Signature]</i>		7	2	84
PA	<i>[Signature]</i>		7	2	84	
STRESS	N/A					
CHIEF ENGR	N/A					

GENERAL ELECTRIC
AEP DEPT LOC KING OF PRUSSIA, PA.

GASKET
(MOD 5A-WTG)

SIZE CODE IDENT NO. B 47B382468

SCALE 1/1 SHEET 1 OF 1

PI	47E382469	ICE DETECTOR
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

5

4

FOLD

3

2

DIST. 1/17/83

5

4

FOLD

3

2

SIZE B 47B382470

SHEET 1 OF 1

REV

REVISIONS

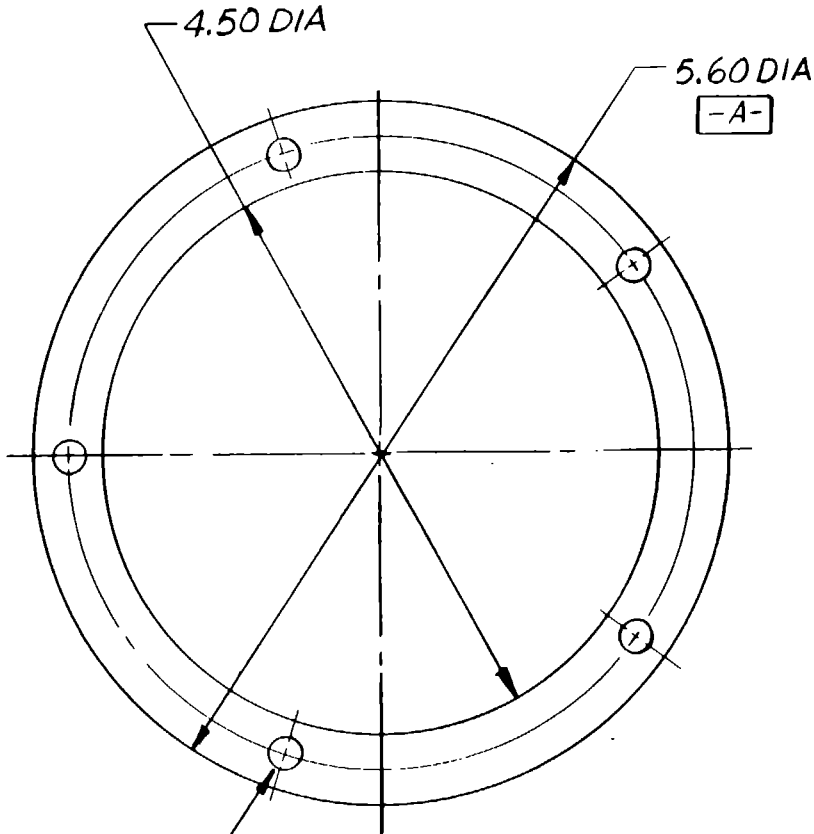
ZONE	LTR	DESCRIPTION	DATE	APPROVED

D

C

A

B



- NOTES;
1. DRAWING TERMS & TOLERANCES PER ANSI-Y14.5.
 2. MARK "GE47B382470PI" ON BAG OR TAG.

ORIGINAL PAGE IS OF POOR QUALITY

PI

A ϕ .015

PI	47E382469	ICE DETECTOR
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:

FRACTIONS DECIMALS ANGLES ± .XX ± .02 ±

ALL SURFACES ✓
MATERIAL: ARMSTRONG SILICONE RUBBERIZED CORK TYPE LC-800

SIGNATURES		DAY	MO	YR
DRAWN	<i>H. Johnson</i>	23	9	83
CHECKED	<i>H. Johnson</i>	31	10	83
ISSUED	<i>R. Palmer</i>	7	2	84
ENGRD	<i>R. Palmer</i>	2	11	83
MFG	<i>R. Palmer</i>	7	4	84
MATED	N/A			
PAQ	<i>W. D. ...</i>	7	2	84
STRESS	N/A			
CHIEF ENGR	N/A			

GENERAL ELECTRIC

GASKET, COVER

(MOD 5A-WTG)

SIZE B CODE IDENT NO. 47B382470

SCALE 1/1 SHEET 1 OF 1

5

4

FOLD

3

2

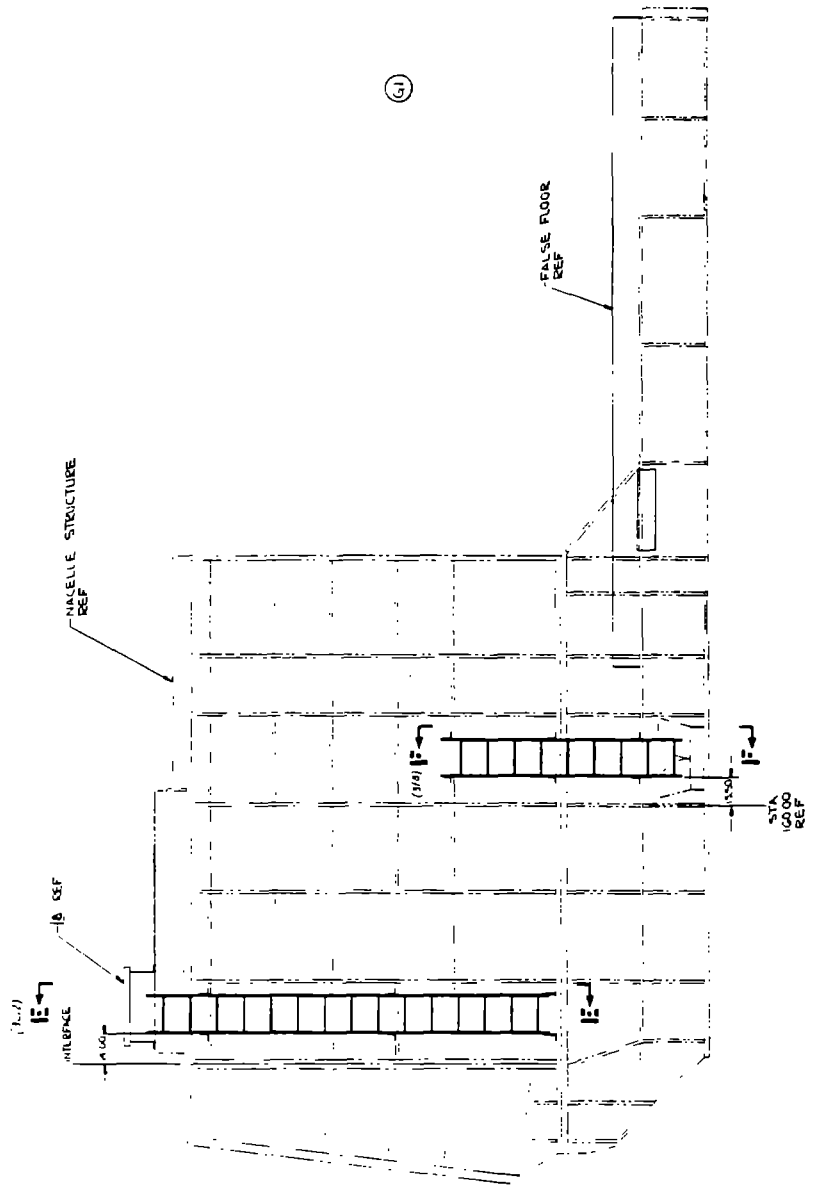
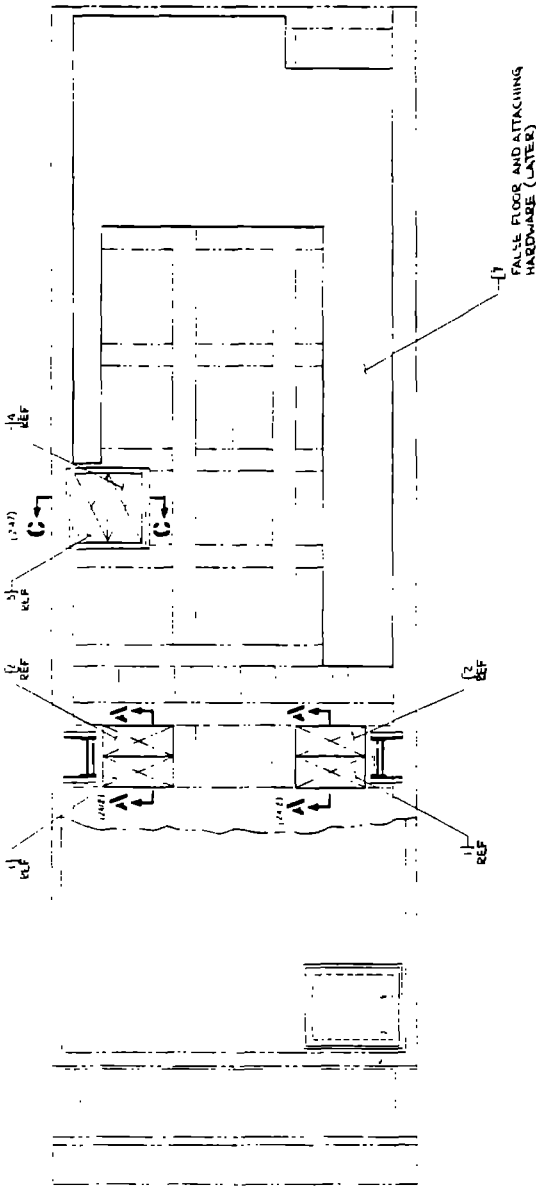
ORIGINAL PAGE IS
OF POOR QUALITY

NOTES:

1. DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
2. ALL WELDING, SURFACE PREPARATION AND INSPECTION PER GE SPEC 47A 3800'S.
3. TOUCH UP PAINTING AS REQUIRED PER GE SPEC 47A 3800'S SECTION 5.
4. SEALING STRIP TO BE INSTALLED AROUND DOOR OPENING, CUT AND FIT TO SLIT RUBBER CEMENT SIDE OF SEAL TO BE BONDED TO MALLEE STRUCTURE.

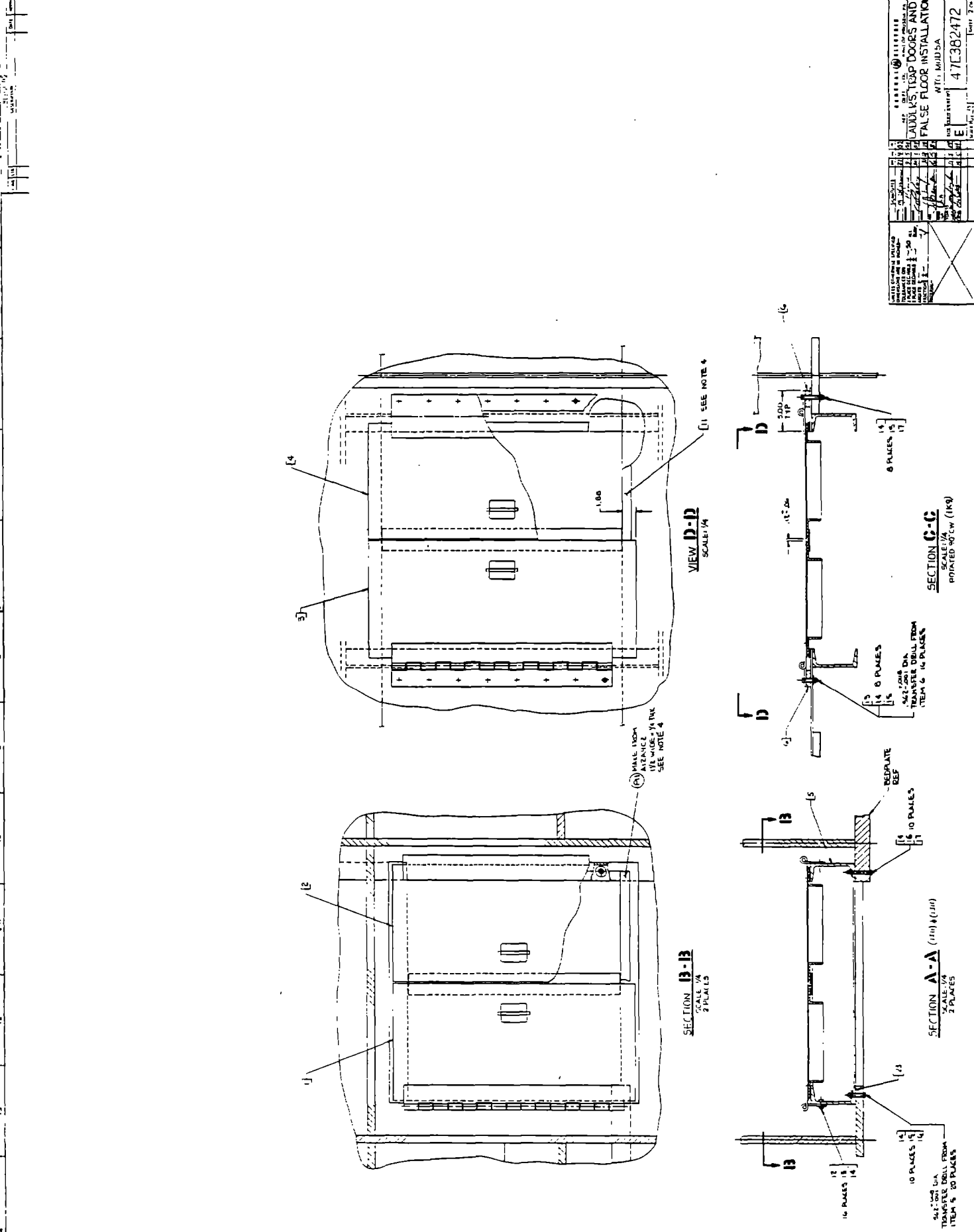
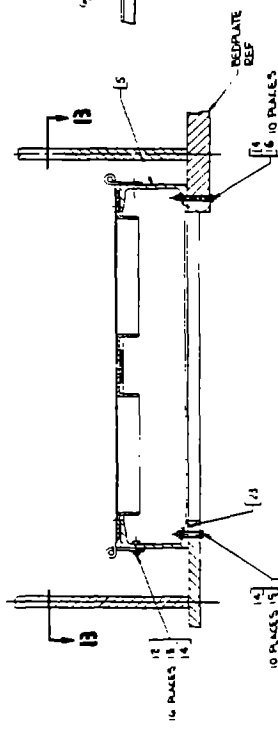
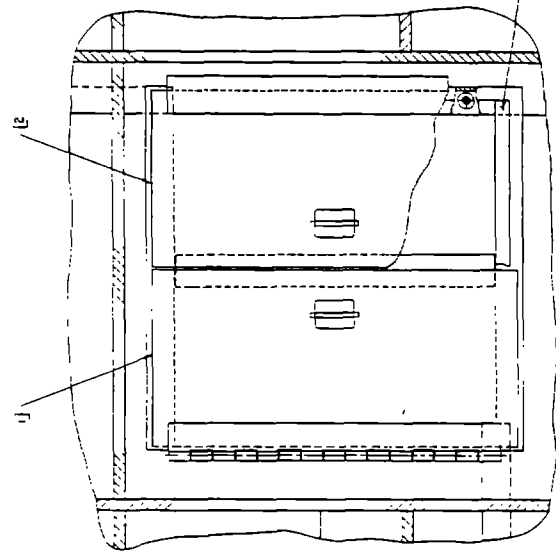
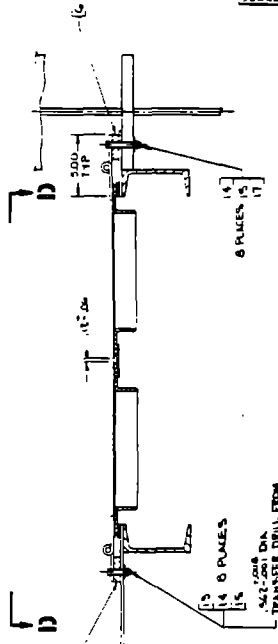
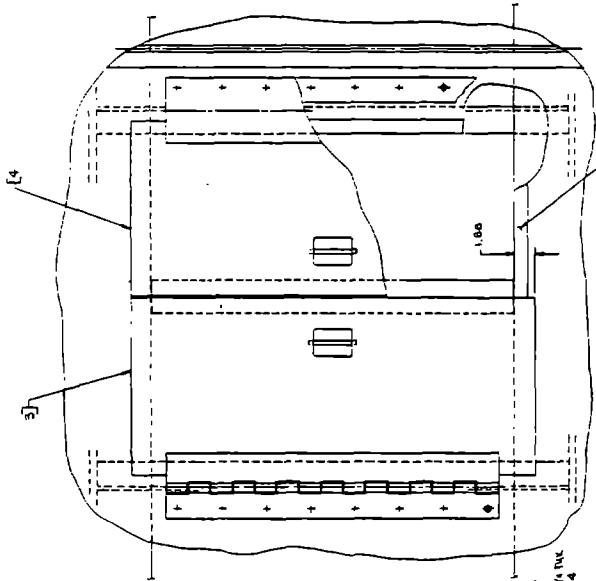
SEE SEPARATE FL 4 COVER SHEET

PROJECT NO. 47E382472 DRAWING NO. 47E382472 SHEET NO. 1 OF 1 DATE 10/1/54 DESIGNED BY CHECKED BY APPROVED BY	REVISIONS 1. 10/1/54 2. 10/1/54 3. 10/1/54 4. 10/1/54 5. 10/1/54	TITLE LADDERS TRAP DOORS AND FALSE FLOOR INSTALLATION PROJECT NO. 47E382472 DRAWING NO. 47E382472 SHEET NO. 1 OF 1 DATE 10/1/54 DESIGNED BY CHECKED BY APPROVED BY
--	---	---



STA 10000 REF

47E382472 LADOLUS LISP DOORS AND FALSE FLOOR INSTALLATION ATTC, MILITARY	
1. PROJECT NO. 2. DRAWING NO. 3. SHEET NO. 4. DATE 5. SCALE 6. DRAWN BY 7. CHECKED BY 8. APPROVED BY	9. TITLE 10. PROJECT NO. 11. DRAWING NO. 12. SHEET NO. 13. DATE 14. SCALE 15. DRAWN BY 16. CHECKED BY 17. APPROVED BY

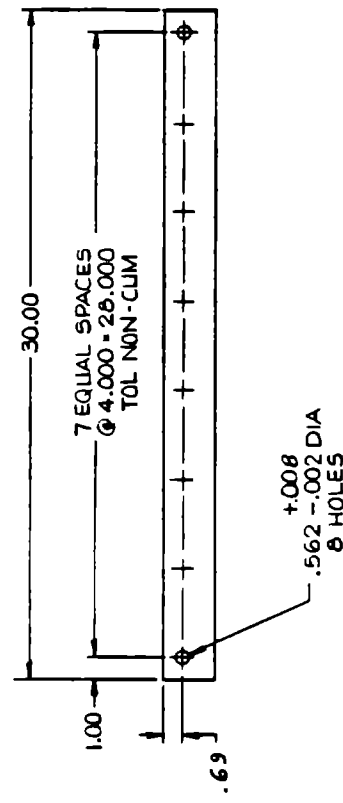
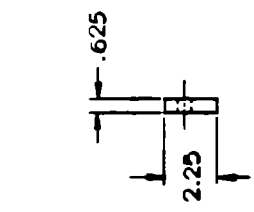


REV	DATE	DESCRIPTION	APPROVED
2			

ZONE	LTR	DATE	APPROVED
3			

NOTES:

1. DRAWING TERMS & TOLERANCES PER ANSI Y14.5.
2. BREAK ALL SHARP EDGES.
3. MATERIAL: .625 THK X 2.25 CD FLAT, C1018, PER ASTM A-108.
4. FINISH PER G.E. SPEC 47A360048, SECT 4.0.
5. MARK PART NO. "GE47C382475PI" USING PAINT OF A CONTRASTING COLOR.



EST. WT. 11.5 LBS

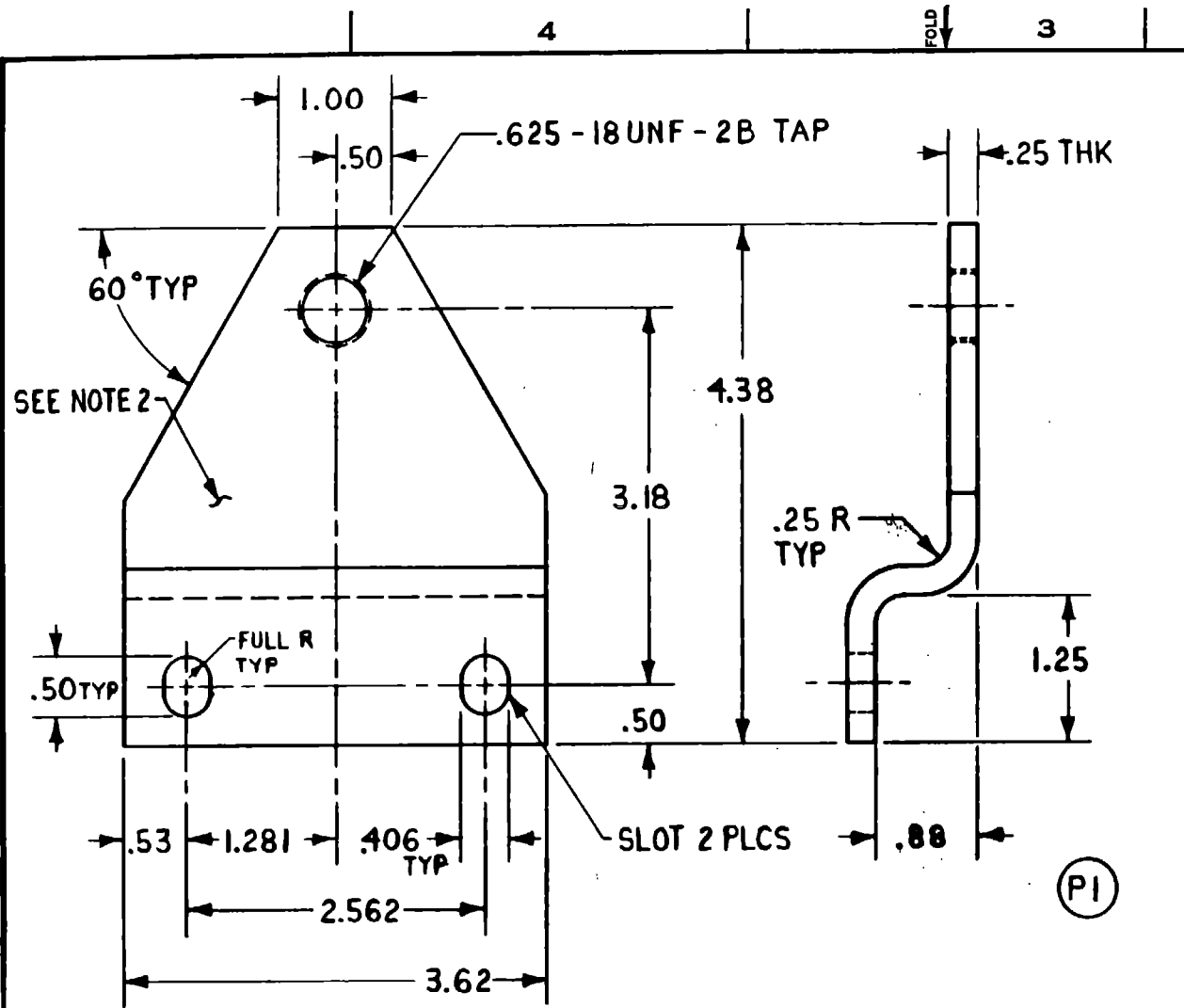
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES—	SIGNATURES		DATE	TR
1 TOLERANCES ON	DESIGNED BY	DATE	NO.	
2 PLACE DECIMALS ±.03	CHECKED BY	21 12 83	4 10 85	
3 PLACE DECIMALS ±.005	DESIGNED BY	28 2 84		
ALL SURF	DESIGNED BY	9 2 84		
ANGLES ±	DESIGNED BY	17 2 84		
FRACTIONS ±	DESIGNED BY	27 2 84		
MATERIAL—	DESIGNED BY	27 2 84		

APPLICATION	
PI 47E382472	NACELLE
SUFFIX	NEXT ASSY USED ON

SEE NOTE 3

GENERAL ELECTRIC
KING OF PRUSSIA PA
AEP DEPT LOC.
MOUNTING BLOCK,
HINGE
WTG MOD5A
SIZE CODE IDENT NO
47C382475
SCALE 1/4

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
 2. MARK "GE47B382480PI" WHERE INDICATED USING RUBBER STAMP.
 3. MATERIAL: ALLOY STL PER ASTM A36.
 4. FINISH PER G.E. SPEC 47A380048 SECT 4.
 5. REMOVE ALL BURRS AND SHARP EDGES.

PI	47D38249861	MOD 5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:
 FRACTIONS DECIMALS ANGLES
 ± ~ ±.02 ± 1/2
 ±.010
 ALL SURFACES ✓
 MATL-
 SEE NOTE 3

SIGNATURES		DAY	MO	YR
DRAWN	<i>[Signature]</i>	10	1	84
CHECKED	<i>[Signature]</i>	10	1	84
ISSUED	<i>[Signature]</i>	8	3	84
ENGRG	<i>[Signature]</i>	14	7	84
MFG	<i>[Signature]</i>	7	3	84
MATLS	<i>[Signature]</i>	7	3	84

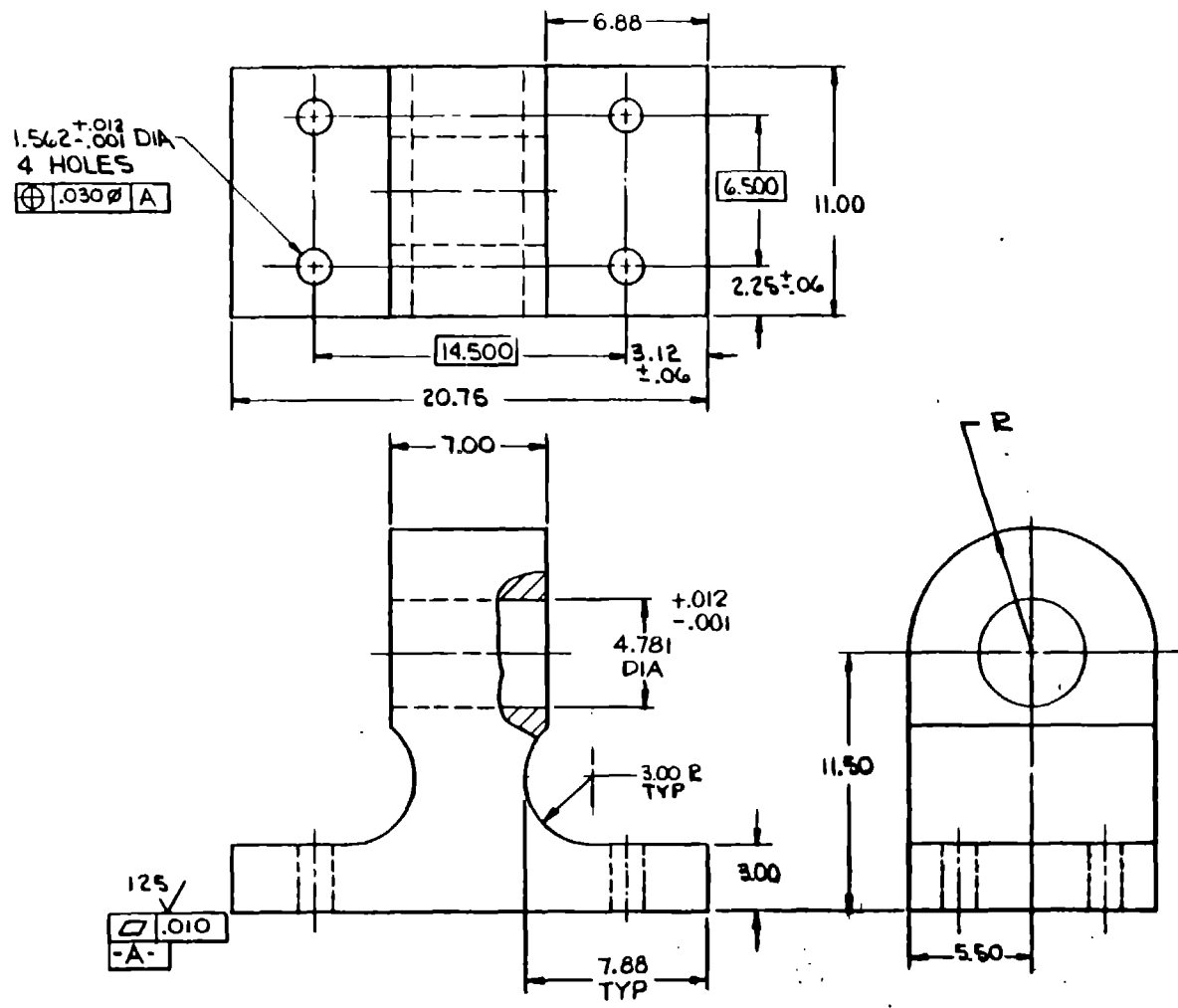
GENERAL ELECTRIC
 DEPT LOC

BRACKET, SENSOR

SIZE CODE IDENT NO.
 B 47B382480

SCALE FULL SHEET 1 OF 1

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 2. REMOVE ALL BURRS AND SHARP EDGES.
 3. MARK PART 'GE47C382485G1' USING PAINT OF A CONTRASTING COLOR.
 4. FINISH PER G.E. SPEC 47A38004B, SECT 4.0.
 5. RATED LIFTING CAPACITY-115,000**.
 6. PROOF LOAD 460,000**.

PI

ESTIMATED WT 425 LBS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-
 TOLERANCES ON:
 2 PLACE DECIMALS ±.12 ALL SURF
 3 PLACE DECIMALS ±.010
 ANGLES ±
 FRACTIONS ±
 MATERIAL-
 ASTM A508, CL 4B
 PER GE SPEC
 47A380062

SIGNATURES				DAY	NO	YR
DRAWN	<i>[Signature]</i>	10	10	83		
CHECKED	<i>[Signature]</i>	9	11	83		
ISSUED	<i>[Signature]</i>	3	5	84		
ENGR	<i>[Signature]</i>	3	11	83		
MTG	<i>[Signature]</i>	10	11	84		
APP	<i>[Signature]</i>	12	1	84		
EXTD	<i>[Signature]</i>	9	9	84		

GENERAL ELECTRIC
 AEP DEPT LOC. KING OF PRUSSIA, PA

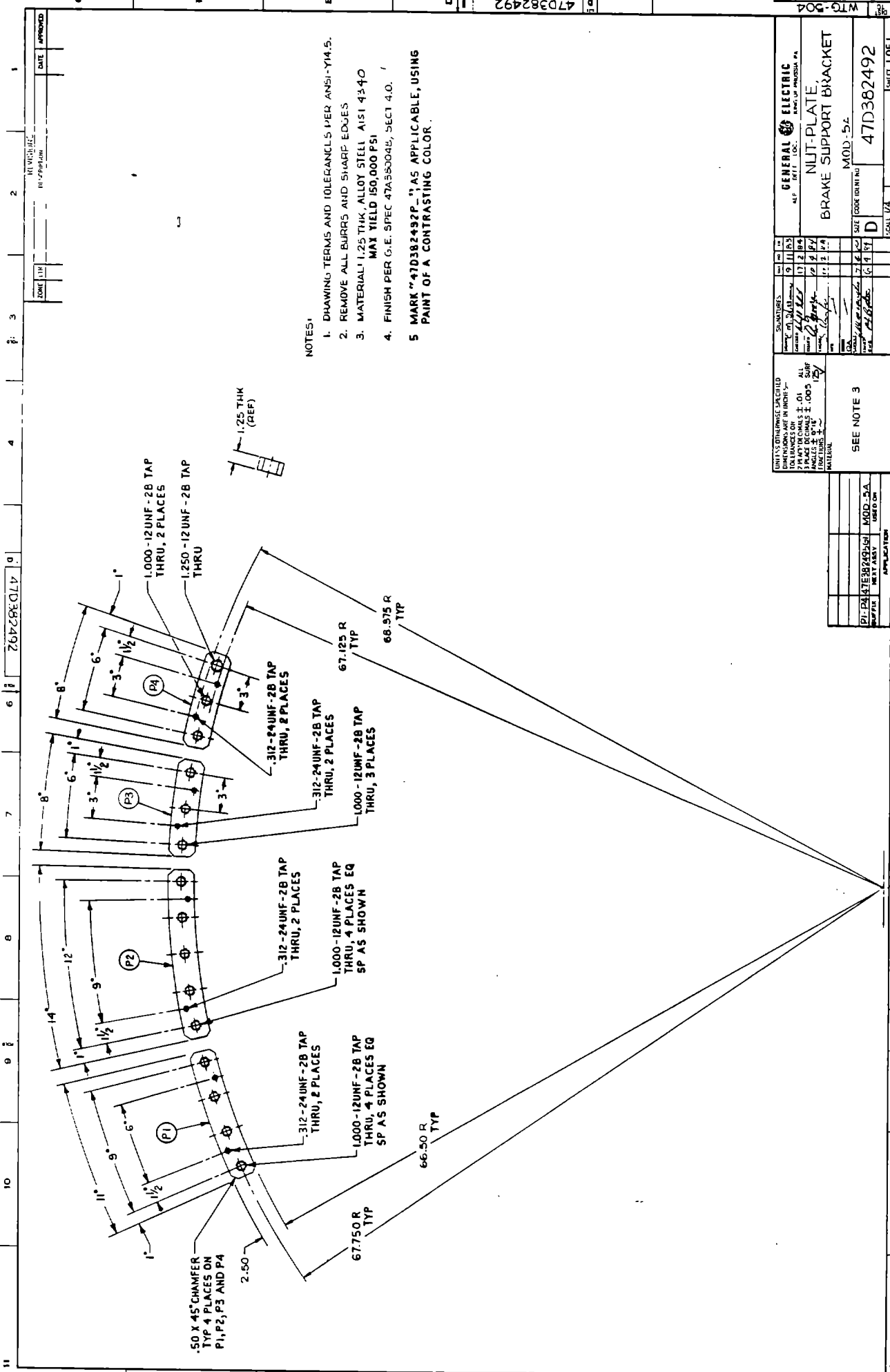
**LIFTING BRACKET,
 BEDPLATE (STA 227.5)
 MOD 5A-WTG**

SIZE CODE IDENT NO
C 47C382485

SCALE 1/4 SHEET 1 OF 1

SUFFIX	NEXT ASSY	USED ON	APPLICATION
PI	47D382598	NACELLE	

REV 47C382485 WTG-504



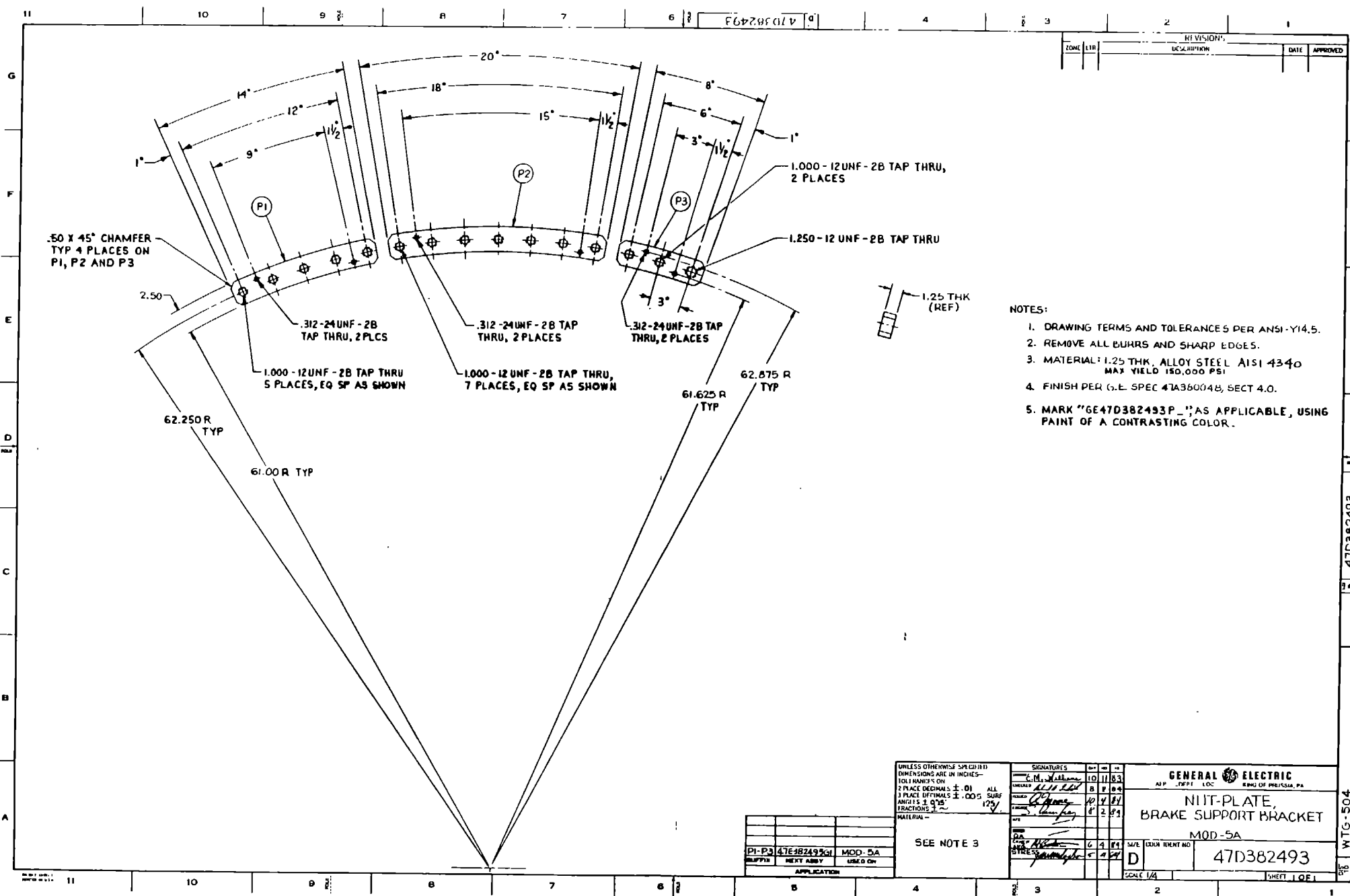
- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
 2. REMOVE ALL BURRS AND SHARP EDGES
 3. MATERIAL: 1.25 THK, ALLOY STEEL, A151 4340
MAY YIELD 150,000 PSI
 4. FINISH PER G.E. SPEC 47A583048, SECT 4.0.
 5. MARK "47D382492P-" AS APPLICABLE, USING PAINT OF A CONTRASTING COLOR.

GENERAL ELECTRIC ALP DEPT. 100 MILWAUKEE, WISCONSIN, PA.	
NUT-PLATE, BRAKE SUPPORT BRACKET	
MOD. 5A	
SIZE CODE (FORM NO.)	D
SCALE	1/4"
SHEET	1 OF 1

DATE	9 JUL 53
DESIGNED BY	W. J. KELLY
CHECKED BY	W. J. KELLY
APPROVED BY	W. J. KELLY
DATE	7-6-53
SCALE	1/4"
SIZE	D
FORM NO.	47D382492
MOD.	5A
USE TO ORDER	

SEE NOTE 3

DATE	9 JUL 53
DESIGNED BY	W. J. KELLY
CHECKED BY	W. J. KELLY
APPROVED BY	W. J. KELLY
DATE	7-6-53
SCALE	1/4"
SIZE	D
FORM NO.	47D382492
MOD.	5A
USE TO ORDER	



66729501V

DATE	TIME	REVISION	DESCRIPTION	DATE	APPROVED

.50 X 45° CHAMFER
TYP 4 PLACES ON
P1, P2 AND P3

20°
18°
15°
12°
9°
8°
6°
3°
1 1/2"
1 1/2"
1 1/2"
1 1/2"
1"
1"
1.000 - 12 UNF - 2B TAP THRU,
2 PLACES
1.250 - 12 UNF - 2B TAP THRU
1.000 - 12 UNF - 2B TAP THRU
5 PLACES, EQ SP AS SHOWN
.312 - 24 UNF - 2B TAP THRU, 2 PLCS
.312 - 24 UNF - 2B TAP THRU, 2 PLACES
.312 - 24 UNF - 2B TAP THRU, 2 PLACES
1.000 - 12 UNF - 2B TAP THRU,
7 PLACES, EQ SP AS SHOWN
1.25 THK
(REF)
62.250R TYP
61.00R TYP
61.625R TYP
62.875R TYP

- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
 2. REMOVE ALL BURRS AND SHARP EDGES.
 3. MATERIAL: 1.25 THK. ALLOY STEEL AISI 4340
MAX YIELD 150,000 PSI
 4. FINISH PER G.E. SPEC 47A38004B, SECT 4.0.
 5. MARK "GE47D382493P_" AS APPLICABLE, USING PAINT OF A CONTRASTING COLOR.

PI-P3	47E482493	MOD-5A
REVISION	DATE	BY

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES—
TOL HANDS ON
2 PLACE DECIMALS ± .01 ALL
3 PLACE DECIMALS ± .005 SURF
AND 13 ± .015
FRACTIONS ± .005
MATERIAL—
SEE NOTE 3

SIGNATURES		DATE	TIME
DESIGNED	<i>[Signature]</i>	10	11 53
DRAWN	<i>[Signature]</i>	8	8 06
CHECKED	<i>[Signature]</i>	10	2 51
APP'D	<i>[Signature]</i>	8	2 51

GENERAL ELECTRIC
A.P. DEPT. LOC. KING OF PRUSSIA, PA.

**NIT-PLATE,
BRAKE SUPPORT BRACKET**

MOD-5A

47D382493

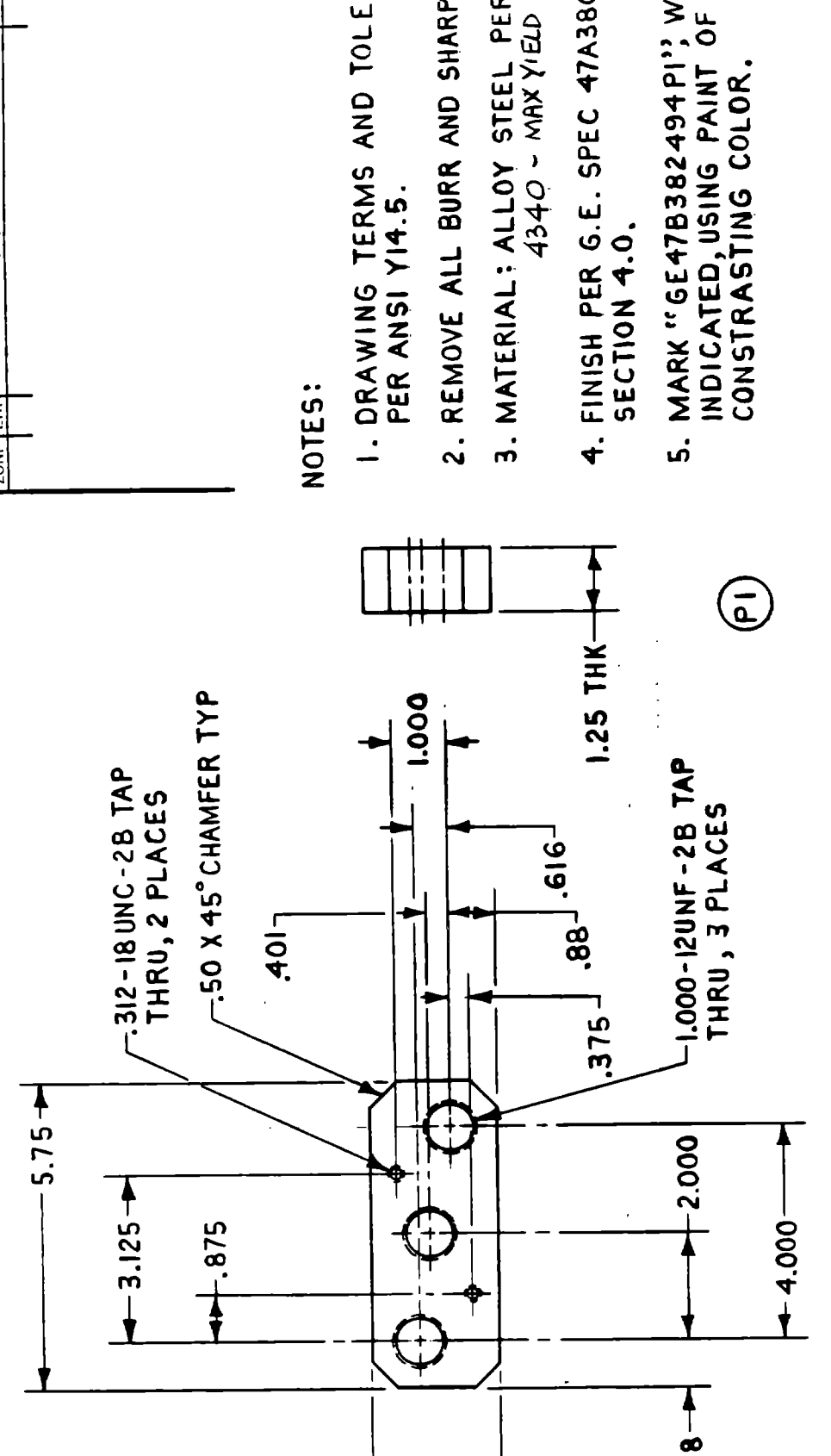
SCALE 1/4" = 1"

SHEET 1 OF 1

47D382493

WTG-504

NO.	REVISIONS	DATE	APPROVED
2			

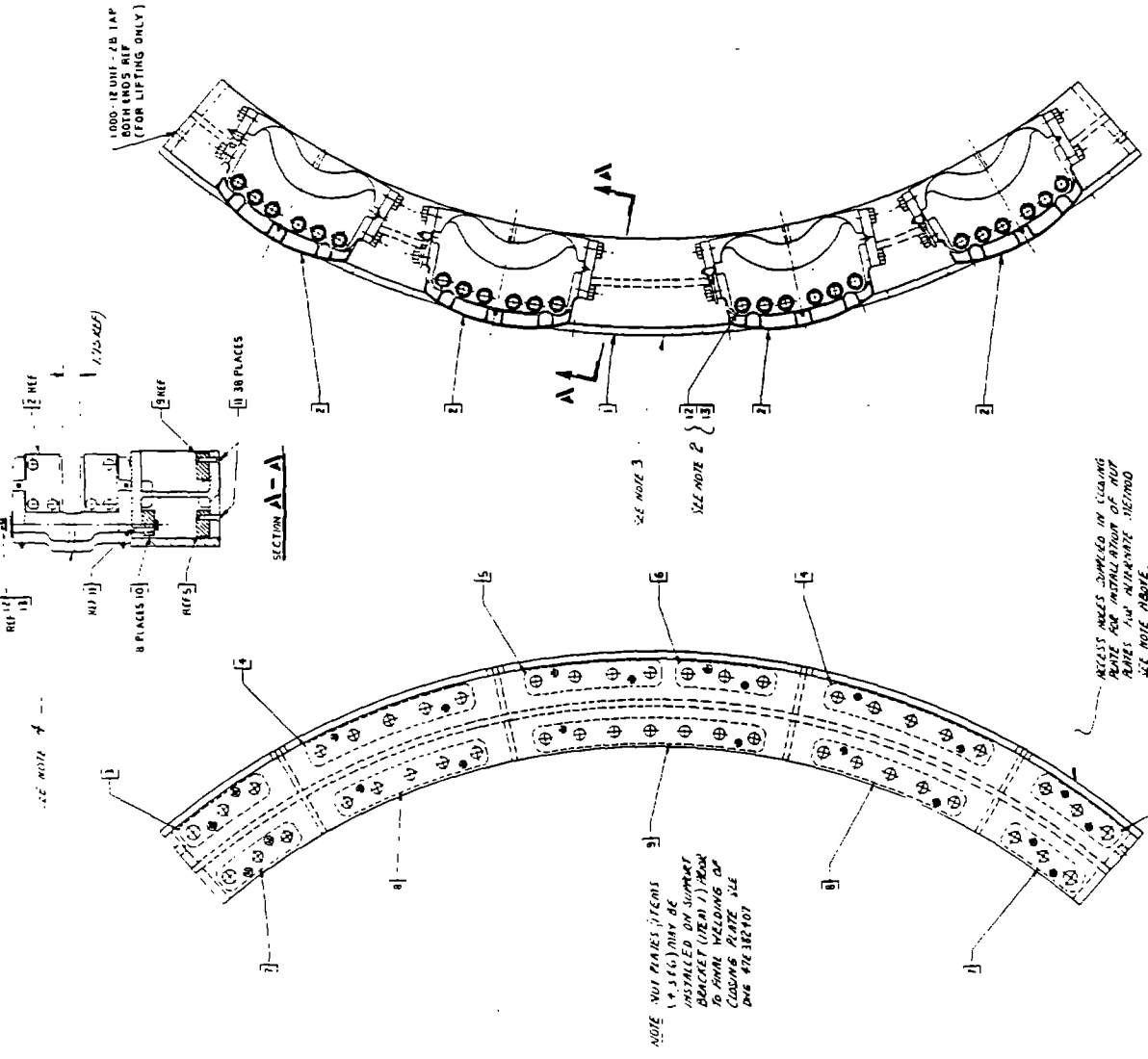


NOTES:

1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
2. REMOVE ALL BURR AND SHARP CORNERS.
3. MATERIAL: ALLOY STEEL PER AISI A 4340 - MAX YIELD 150,000 P.S.I.
4. FINISH PER G.E. SPEC 47A380048, SECTION 4.0.
5. MARK "GE47B382494PI"; WHERE INDICATED, USING PAINT OF A CONTRASTING COLOR.

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE IN INCHES. FRACTIONS DECIMALS ANGLES		SIGNATURES		DAY MO YR	
± .01 ± 1/8	± .005	125	185	1	2
ALL SURFACES		DRAWN		1	
MATL.		CHECKED		2	
SEE NOTE 3		ISSUED		12	
		ENGRS		14	
		MFG		18	
		MAILS		21	
		P.A.		24	
		CRIP ENGR		27	

GENERAL ELECTRIC DEPT LOC		SIZE CODE IDENT NO.	
NUT-PLATE		B	
BRAKE SUPPORT BRACKET		47B382494	
SCALE 1/2		SHEET 1 OF 1	



- NOTE:
1. UNDRIVE, TIGHTEN AND RETURN TO STATE WITH LOCK
 2. TORQUE ALL SCREWS AND BOLTS PER GE SPLC #1A380047.
 3. CHECK PART GE #12321412 WITH ORIGINAL IS CORRECT PRINT OR RUBBER STAMP IN LOCATION SHOWN.
 4. ENSURE THAT SPACER PLATE IS INSTALLED CORRECTLY DAMAGE MAKES BRIDGE TO PINNUL INSTEAD OF SEE NOTE 2

ORIGINAL PART IS
OF POOR QUALITY

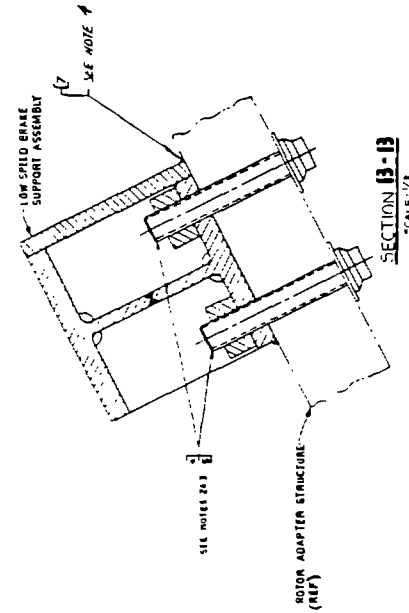
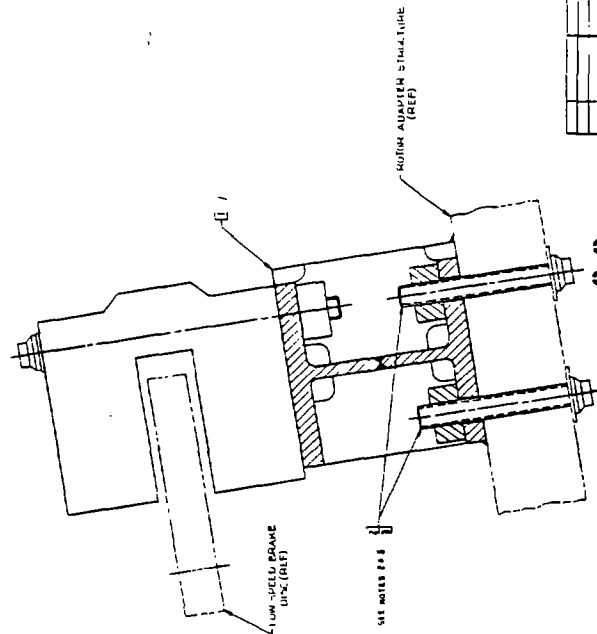
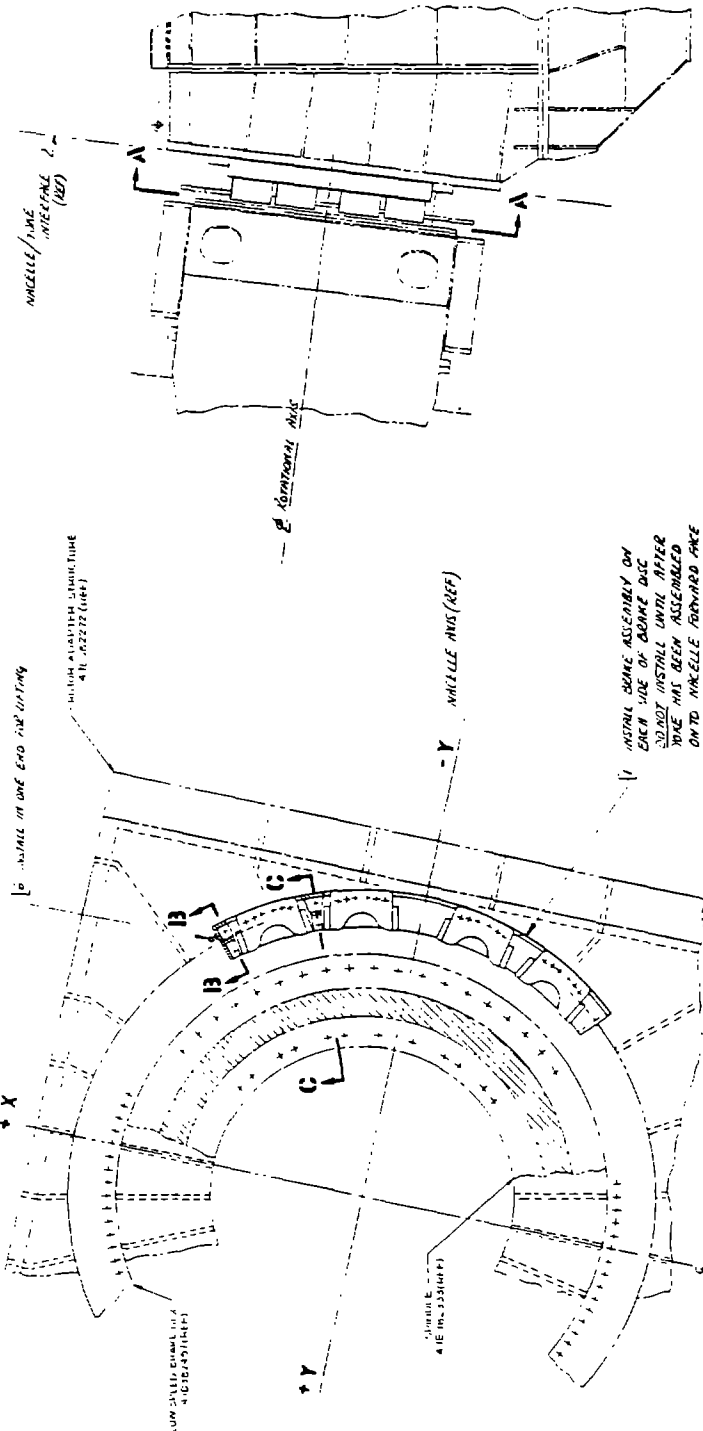
(6)

SEE SEPARATE P/L AND C/S

WTS-372		47E382495		47E382495	
LOW SPEED BRAKE SUPPORT ASSEMBLY		47E382495		47E382495	
REV. 1		REV. 1		REV. 1	
REV. 2		REV. 2		REV. 2	
REV. 3		REV. 3		REV. 3	
REV. 4		REV. 4		REV. 4	
REV. 5		REV. 5		REV. 5	
REV. 6		REV. 6		REV. 6	
REV. 7		REV. 7		REV. 7	
REV. 8		REV. 8		REV. 8	
REV. 9		REV. 9		REV. 9	
REV. 10		REV. 10		REV. 10	
REV. 11		REV. 11		REV. 11	
REV. 12		REV. 12		REV. 12	
REV. 13		REV. 13		REV. 13	
REV. 14		REV. 14		REV. 14	
REV. 15		REV. 15		REV. 15	
REV. 16		REV. 16		REV. 16	
REV. 17		REV. 17		REV. 17	
REV. 18		REV. 18		REV. 18	
REV. 19		REV. 19		REV. 19	
REV. 20		REV. 20		REV. 20	
REV. 21		REV. 21		REV. 21	
REV. 22		REV. 22		REV. 22	
REV. 23		REV. 23		REV. 23	
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REV. 34		REV. 34		REV. 34	
REV. 35		REV. 35		REV. 35	
REV. 36		REV. 36		REV. 36	
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REV. 39		REV. 39		REV. 39	
REV. 40		REV. 40		REV. 40	
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REV. 97		REV. 97		REV. 97	
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REV. 99		REV. 99		REV. 99	
REV. 100		REV. 100		REV. 100	

ORIGINAL PAGE 10
OF POOR QUALITY

- NOTES:
1. IMPROVED LUBRICANT AND MATERIALS TO BE USED (REF. 5)
 2. TORQUE BOLTS PER BE SPEC YOUNG AT TABLE 1
 3. THREADS LUBRICATED
 4. INSTALL BOLTS FROM INSIDE MACHLE AREA - ENSURE THAT LEWIS DISC IS BEYOND LEWIS BOLTS
 5. MAKE TO INSERTING BOLTS
 6. SEAL AROUND PERIPHERY OF SUPPORT BEARING AT MOUNTING INTERFACES WITH SEALANT (REF. 7) AFTER FINAL ASSEMBLY



(61)

REV	DATE	BY	CHK	APP	DESCRIPTION

DATE	BY	CHK	APP	DESCRIPTION

DATE	BY	CHK	APP	DESCRIPTION

DATE	BY	CHK	APP	DESCRIPTION

DATE	BY	CHK	APP	DESCRIPTION

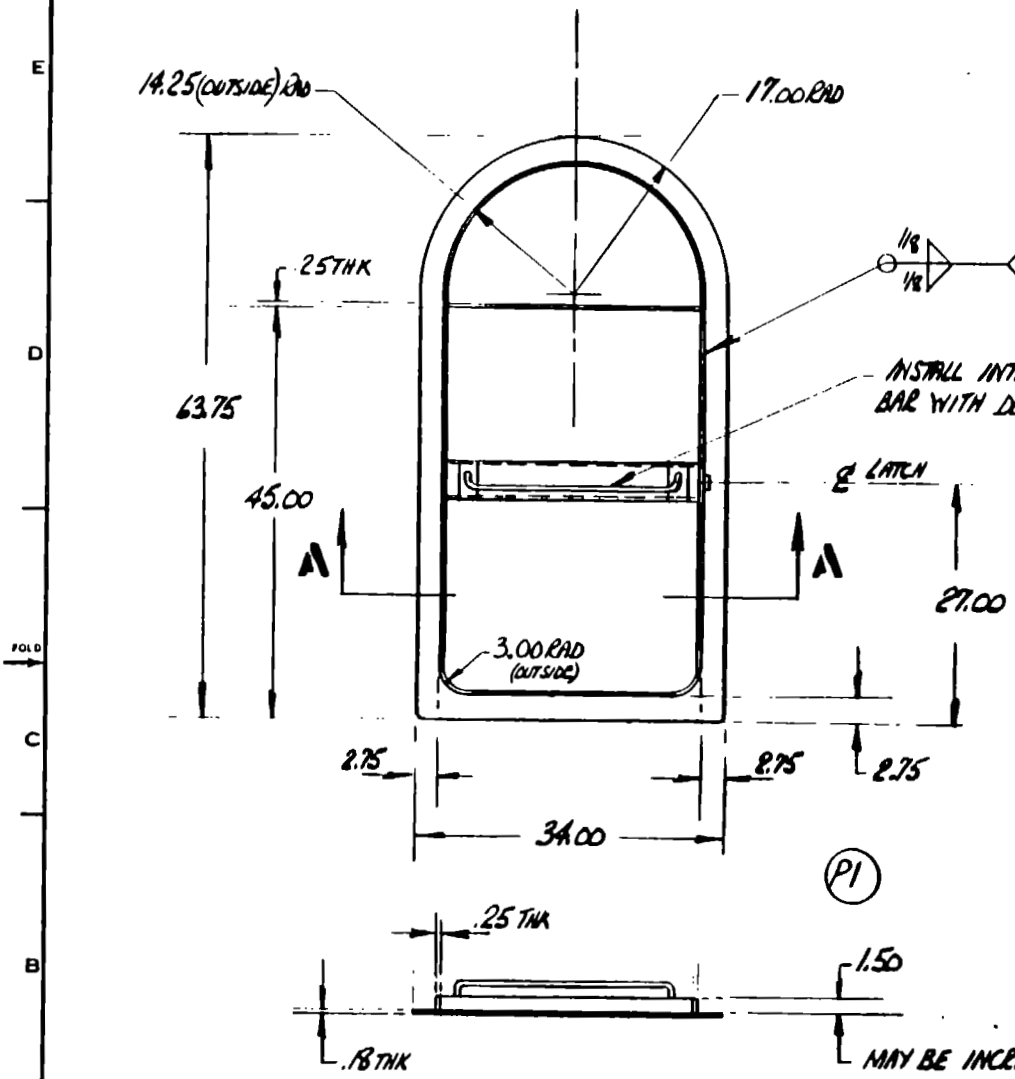
DATE	BY	CHK	APP	DESCRIPTION

DATE	BY	CHK	APP	DESCRIPTION

DATE	BY	CHK	APP	DESCRIPTION

47E382496
LOW SPEED BRAKE INSULATION
MDD-5A-MTL
47E382496

ZONE		LTR	DESCRIPTION	DATE	APPROVED



1/8
1/8
TOP THROUGHT
SEE NOTE 2.

INSTALL INTERNAL PANIC
BAR WITH DOOR LATCH AND LOCK

GENERAL NOTES

1. DRAWING TERMS & TOLERANCES PER ANSI Y-A-5
2. WELD PER STD WELD SPEC AWS D1
3. MATL MAKE DOOR FROM LOW CARBON STEEL SHEET STOCK PER ASTM A36
4. FINISH PER GE SPEC 47A380048 COLOR ~ WHITE
5. INSTALL LATCH AND PANIC BAR PER MANUFACTURERS RECOMMENDED PROCEDURES
6. INSTALL HINGES TO SLIT ASSEMBLY WITH TOWER
7. DOOR SHALL CONFORM TO REQUIREMENTS AS NOTED IN GE. TOWER SPEC 47A380022 SECT. 3.5.5

MAY BE INCREASED ACROSS
CENTER TO SUIT LATCH DEVICE

SECTION A - A

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES-
TOLERANCES ON
2 PLACE DECIMALS ± .06 ALL SURF
3 PLACE DECIMALS ± .012 SURF
ANGLES ± 1°
FRACTIONS ± 1/32

SIGNATURES		DATE	NO	BY
DRAWN	<i>[Signature]</i>	25	7	89
CHECKED	<i>[Signature]</i>	5	3	89
ISSUED	<i>[Signature]</i>	12	3	89
ENGRD	<i>[Signature]</i>	8	3	89
MFG				
MAILS				
ENR. MGR.	<i>[Signature]</i>	8	3	89

GENERAL ELECTRIC
AEP DEPT LOC. KING OF PRUSSIA, PA

**TOWER ACCESS DOOR
MOD 5A ~ WTG**

SIZE CODE IDENT NO
C 47C382499

SCALE 1/10 SHEET 1 OF 1

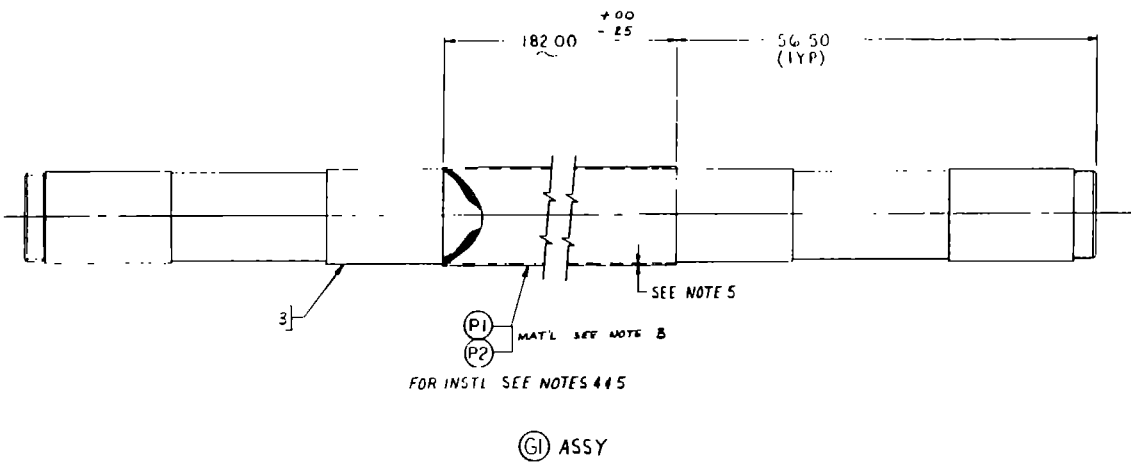
SUFFIX	NEXT ASSY	USED ON
PI	47E382317	WTG-MOD 5A

SEE NOTE 3.

REV C 47C382499

REV 508 WTG 508

ZONE		LTS		REVISION:		DATE	APPROVED
				DESCRIPTION			



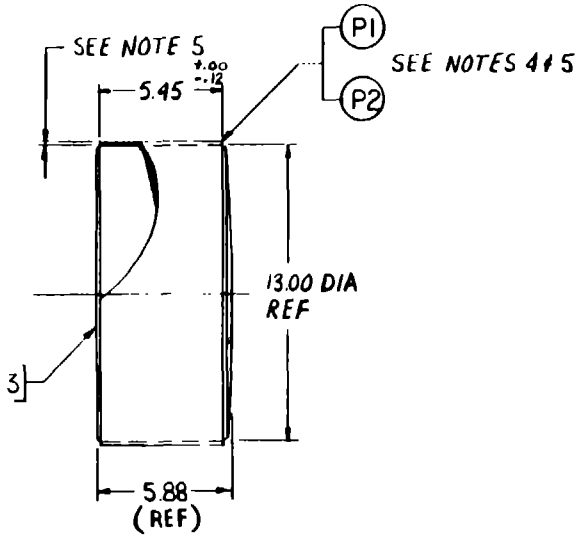
- NOTES:
1. DNG TERMS AND TOLERANCING PER ANSI Y14.5
 2. MARK PART "GE47D382550" WHERE INDICATED WITH RUBBER STAMP OR PAINT.
 3. MAT'L: P1 - FIBERGLASS CLOTH, BURLINGTON #7781 OR 7500 REF. MIL-C-9084 CLASS II
P2 - EPOXY WEST SYSTEM ADHESIVE PER GE SPEC "LATER"
 4. CLEAN AREA OF SHAFT TO BE WRAPPED PER THE FOLLOWING--
(A) SAND BLAST NEAR WHITE FINISH IN ACCORDANCE WITH SSPC-SP10.
(B) REMOVE ALL OIL, GREASE, DIRT AND OTHER FOREIGN SUBSTANCES WITH CLEAN ACETONE SOLVENTS AND LINT FREE CLEAN CLOTHS PER SSPC-SP10. AREAS OF SHAFT NOT REQUIRED TO BE BONDED OR CLEANED SHALL BE MASKED OFF.
 5. FIBERGLASS CLOTH CAN BE SPIRAL WRAPPED OR INDIVIDUALLY LAYERED TO A MAX. OF 2 THICKNESS AROUND SHAFT. CLOTH SHALL BE BONDED TO SHAFT AND BETWEEN LAYERS USING EPOXY (P2) TO A VALUE OF 50% BY VOLUME OF EPOXY TO GLASS CLOTH. EXTERNAL SURFACE SHALL BE AS IS, NO EFFORT SHALL BE MADE TO SMOOTH OUT BUMPS OR RIDGES.
 6. DURING LAYUP OPERATION, CARE SHALL BE EXERCISED TO ENSURE NO DAMAGE TO BASIC SHAFT OR END THREADS ON SHAFT.
 7. APPROX. HANDLING WEIGHT = 6000 LBS

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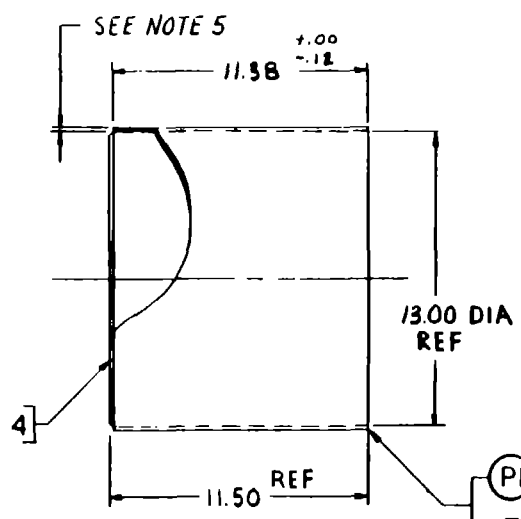
SEE SEPARATE PARTS LIST & COVER SHEET

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ± FRACTIONS ± MATERIAL	SIGNATURES	DATE	GENERAL ELECTRIC PING OF PENNSYLVANIA ASSY, SHAFT-TEETER BRG MOD5A, WTG SIZE CODE (EN) IN NO D 47D382550 SCALE 1/8 SHEET 1 OF 1
	DESIGNED	4 22 83	
	CHECKED	22 5 83	
	APPROVED	13 4 83	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



(G1) ASSY



(G2) ASSY

- NOTES:
- DWG. TERMS AND TOLERANCING PER ANSI Y14.5.
 - MARK PART "47C382551 G-" WHERE INDICATED WITH RUBBER STAMP OR PAINT.
 - MAT'L: P1 - FIBERGLASS CLOTH, BURLINGTON "7781 OR 7500 REF. MIL-C-9084 CLASS II.
P2 - EPOXY, WEST SYSTEM ADHESIVE PER GE SPEC. "LATTER"
 - CLEAN AREA OF RESTRICTOR TO BE WRAPPED PER THE FOLLOWING:
(A) SAND BLAST NEAR WHITE FINISH IN ACCORDANCE WITH SSPC-SPI0.
(B) REMOVE ALL OIL, GREASE, DIRT AND OTHER FOREIGN SUBSTANCES WITH CLEAN ACE TONE SOLVENTS AND LINT FREE CLOTHS PER SSPC-SPI. AREAS OF RESTRICTOR NOT REQUIRED TO BE BONDED OR CLEANED SHALL BE MASKED OFF.
 - FIBERGLASS CLOTH CAN BE SPIRAL WRAPPED OR INDIVIDUALLY LAYERED TO A MAX. OF 2 THICKNESS AROUND RESTRICTOR. CLOTH SHALL BE BONDED TO RESTRICTOR AND BETWEEN LAYERS USING EPOXY (P2) TO A VALUE OF 50% BY VOLUME OF EPOXY TO GLASS CLOTH. EXTERNAL SURFACE SHALL BE AS IS, NO EFFORT SHALL BE MADE TO SMOOTH OUT BUMPS OR RIDGES.
 - APPROX. HANDLING WEIGHT - G1 - 184 LBS, G2 - 212 LBS

SEE SEPARATE P/L & COVER SHEET

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ± FRACTIONS ± MATERIAL -	SIGNATURES			
	DRAWN	REV	NO	BY
	CHECKED			
	ISSUED			
	ENGR			
	DATE			

GENERAL ELECTRIC
AEP DEPT LOC. KING OF PRUSSIA PA

**ASSY, TEETER RESTRICTOR
INNER AND OUTER**

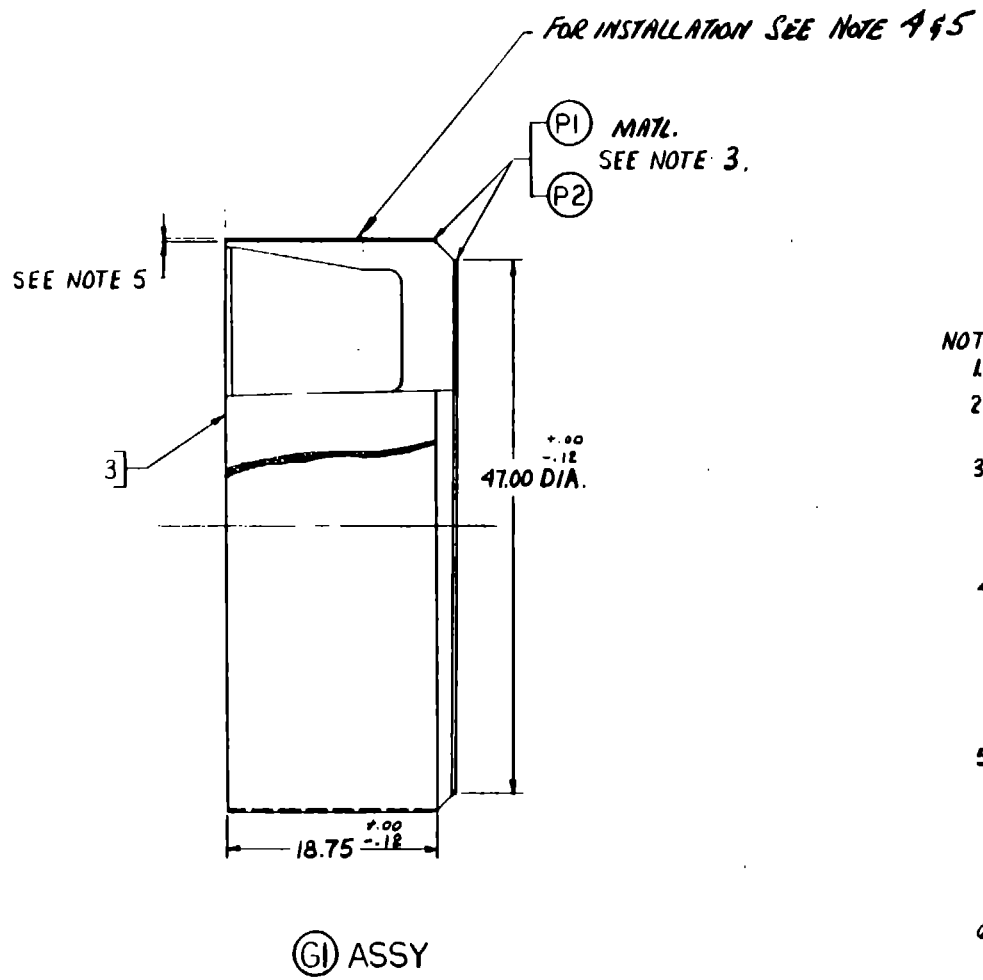
MOD 5A, WTG

SIZE CODE IDENT NO
C 47C382551

SCALE 1/4 SHEET 1 OF 1

47C382551
WTG-504

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVD



- NOTES:**
1. DWG. TERMS AND TOLERANCING PER ANSI Y14.5.
 2. MARK PART "47C382552G_" WHERE INDICATED WITH RUBBER STAMP OR PAINT.
 3. MAT'L: P1- FIBERGLASS CLOTH, BURLINGTON #7781 OR 7500 REF. MIL-C-9084 CLASS II
P2- EPOXY, WEST SYSTEM ADHESIVE PER GE SPEC "LATTER"
 4. CLEAN AREA OF INSERT TO BE WRAPPED PER THE FOLLOWING:
(A) SAND BLAST NEAR WHITE FINISH IN ACCORDANCE WITH SSPC-SP10
(B) REMOVE ALL OIL, GREASE, DIRT AND OTHER FOREIGN SUBSTANCES WITH CLEAN ACE TONE SOLVENTS AND LINT FREE CLOTHS PER SSPC-SPI. AREAS OF INSERT NOT REQUIRED TO BE BONDED OR CLEANED SHALL BE MASKED OFF.
 5. FIBERGLASS CLOTH CAN BE SPIRAL WRAPPED OR INDIVIDUALLY LAYERED TO A MAX. OF 2 THICKNESS AROUND INSERT. CLOTH SHALL BE BONDED TO INSERT AND BETWEEN LAYERS USING EPOXY (P2) TO A VALUE OF 50% BY VOLUME OF EPOXY TO GLASS CLOTH. EXTERNAL SURFACE SHALL BE AS IS, NO EFFORT SHALL BE MADE TO SMOOTH OUT BUMPS OR RIDGES.
 6. APPROX. HANDLING WEIGHT = 5200 LBS.

SEPARATE PARTS LIST & COVER SHEET ISSUED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ± FRACTIONS ± MATERIAL—	SIGNATURES			DAY	MO	YR	GENERAL ELECTRIC AEP DEPT LOC. KING OF PRUSSIA, PA ASSY, BOLSTER INSERT TEETER BRG MOD5A, WTG
	DRAWN	[Signature]		23	9	64	
	CHECKED	[Signature]		23	8	64	
	ISSUED	[Signature]		18	4	64	
ENGR.	[Signature]		8	3	64	SIZE CODE IDENT NO. C 47C382552	
MFG	[Signature]		8	3	64		
DATE	[Signature]		6	4	64	SCALE 1/8 SHEET 1 OF 1	

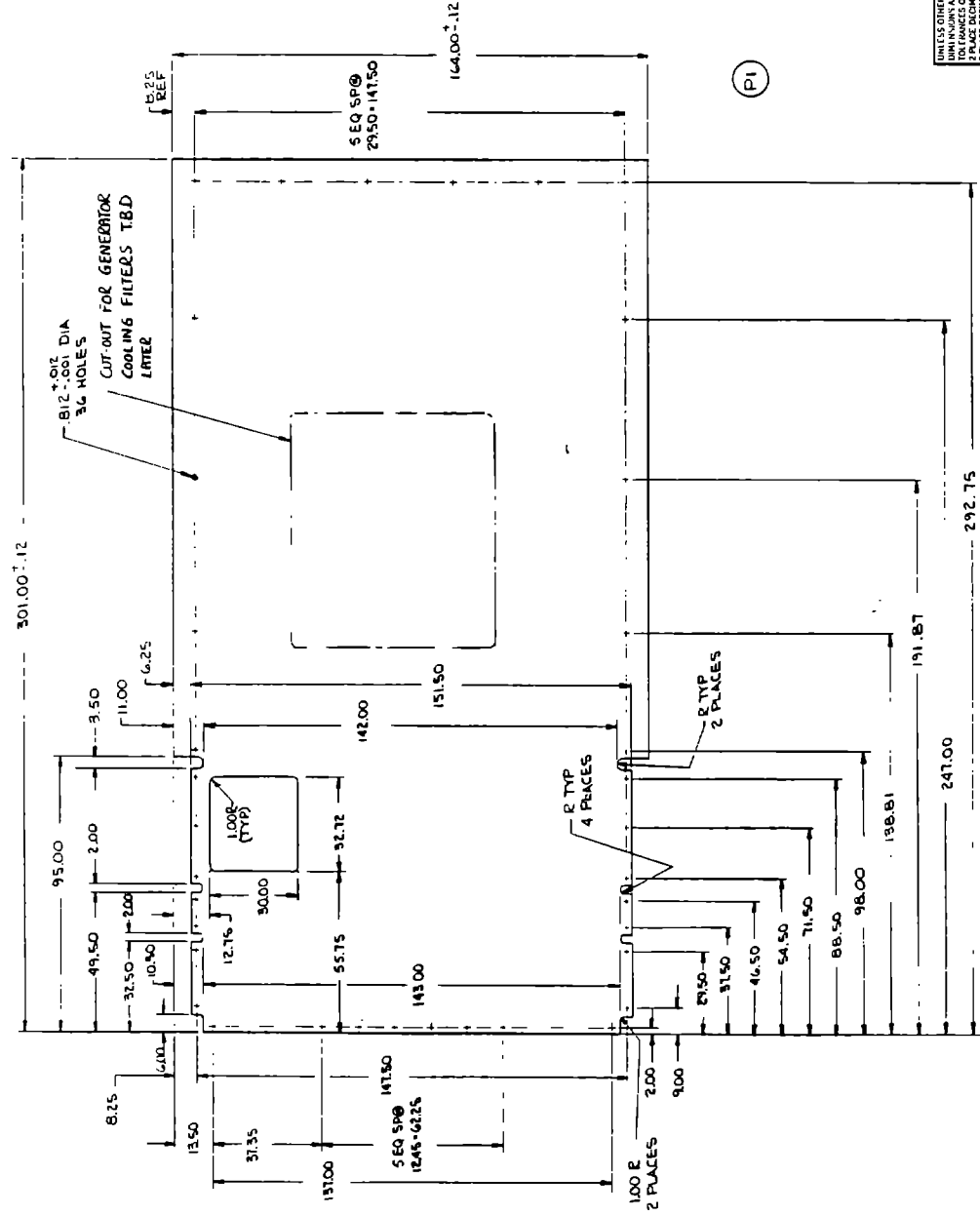
DIST TO MTG 50A
 47C382552
 REV
 FOLD
 C

DATE	APPROVED

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OF POOR QUALITY

NOTES:

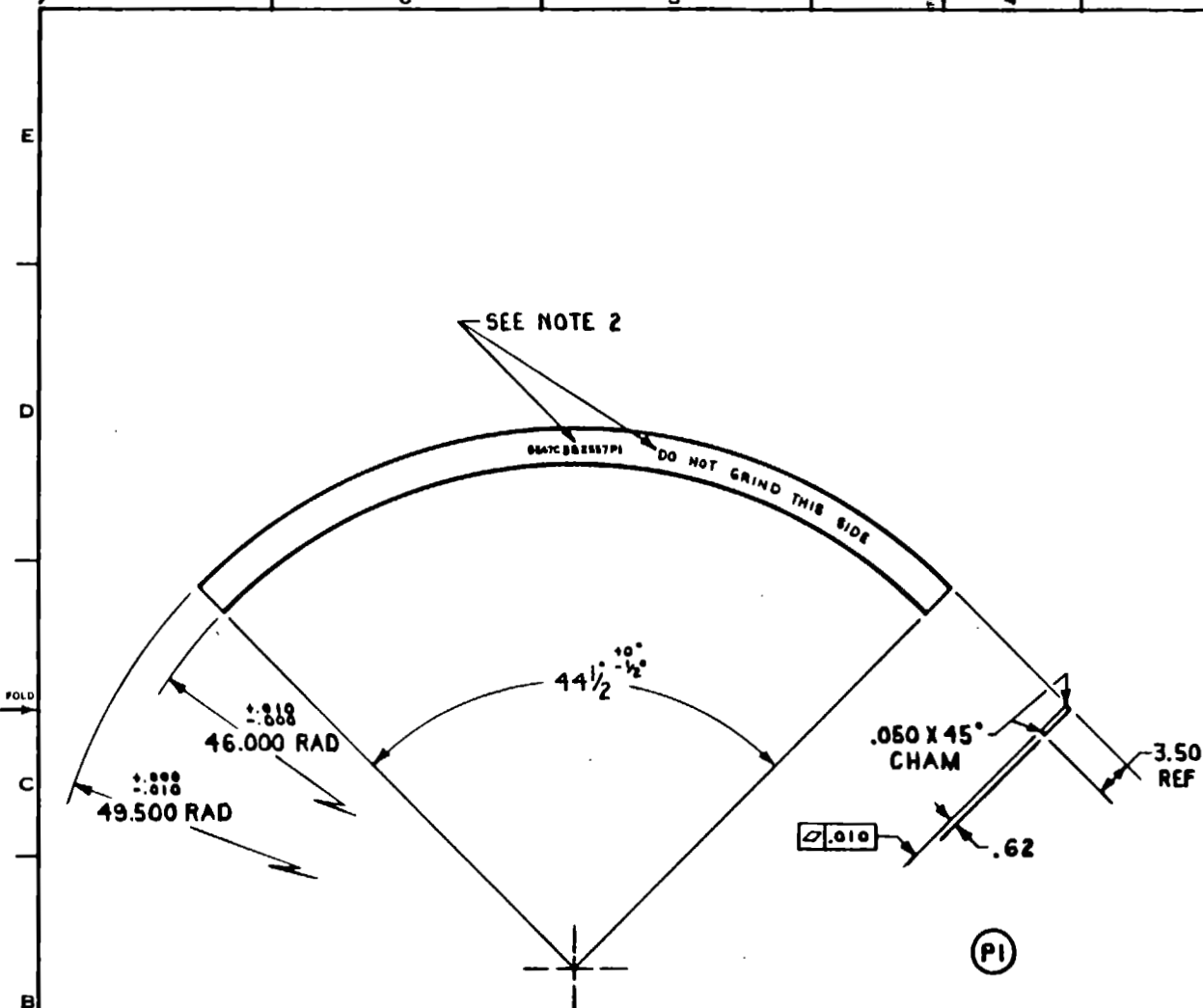
1. DRAWING TERMS & TOLERANCES PER ANSI Y14.5.
2. REMOVE ALL BURRS AND SHARP EDGES.
3. FLOORING MAY BE MADE IN SECTIONS USING A FULL PENETRATION SQUARE BUTT JOINT GROUND FLUSH ON BOTH SIDES. SURFACE PREPARATION AND INSPECTIONS PER GE SPEC 47A380054. LOCATION PER GE APPROVAL.
4. FINISH - PAINT PER GE SPEC 47A380048 SECTION 4.
5. MARK PART NO. GE 47D382559PI USING PAINT OF A CONTRASTING COLOR.



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - 3 PLACE DECIMALS ± .006 FRACTIONS ± 1/32 DECIMALS ± .015		SIGNATURES		DATE	
DESIGNED BY	CHECKED BY	DATE	DATE	DATE	DATE
MATERIALS		SCALE			
.25 THK STEEL PLATE PER ASTM 572 GR 50		D			
PI 47D382559PI		MOD - 5A - WTG			
		47D382554			
		SHEET 1 OF 1			

GENERAL ELECTRIC	47D382559PI
FLOORING, BEDPLATE	
MOD - 5A - WTG	
47D382554	
SHEET 1 OF 1	

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



- NOTES:**
1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 2. MARK "GE47C382557 PI" AND "DO NOT GRIND THIS SIDE", WHERE INDICATED, USING RUBBER STAMP.
 3. APPLY COATING TO ALL SURFACES PER G.E. SPEC 47A380048 PARA 4.4.
 4. REMOVE ALL BURRS AND SHARP EDGES.
 5. ESTIMATED WEIGHT 45 LBS.

FOLD

FOLD

REV C 47C382557

WTG - 500

PI	47C382441	MOD-5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES—
TOLERANCES ON
2 PLACE DECIMALS ± .02 ALL SURF
3 PLACE DECIMALS ± .010 SURF
ANGLES ± 1/2°
FRACTIONS ± 1/16"
MATERIAL—
**ALLOY STEEL PER
ASTM A36**

SIGNATURES			DAY	MO	YY
DRAWN	<i>[Signature]</i>		10	11	03
CHECKED	<i>[Signature]</i>		10	12	03
ISSUED	<i>[Signature]</i>		3	5	04
ENGRD	<i>[Signature]</i>		20	11	03
FILED	<i>[Signature]</i>		20	11	03
MATEL	N/A				
STRESS					
P.A.					
CHIEF ENG	<i>[Signature]</i>		12	1	04

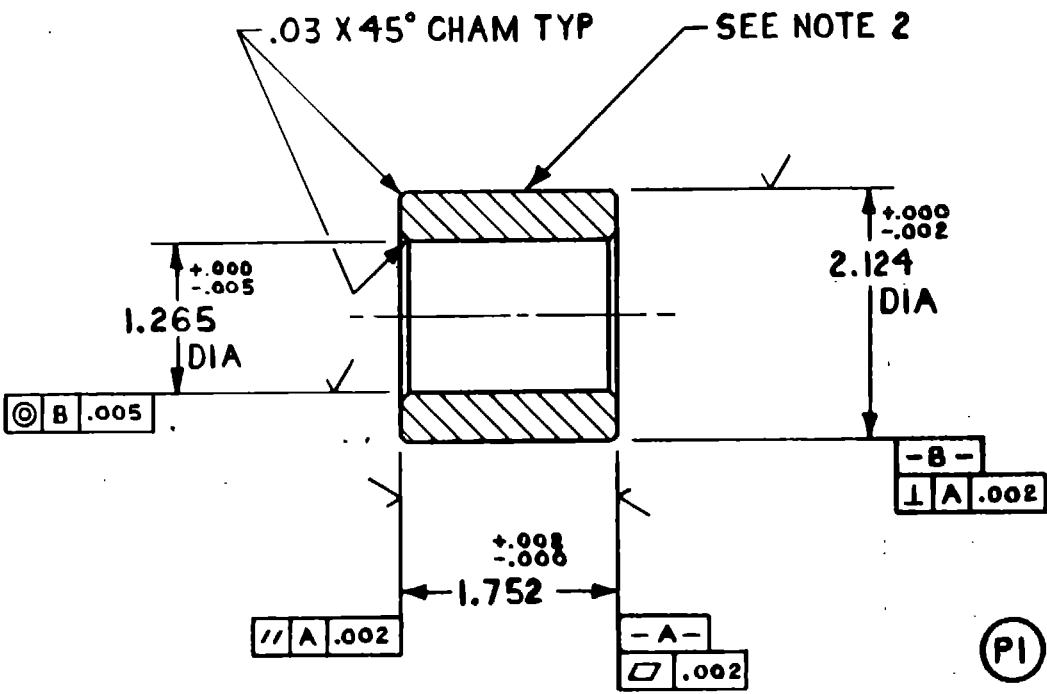
GENERAL ELECTRIC
AEP -DEPT LOC- KING OF PRUSSIA PA

ROTOR BEARING SHIM
MOD - 5A

SIZE CODE IDENT NO
C 47C382557

SCALE 1/8 SHEET 1 OF 1

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 2. MARK "GE47B382558PI", WHERE INDICATED USING RUBBER STAMP.
 3. FINISH PER G.E. SPECIFICATION 47A380048, PARA 4.4.

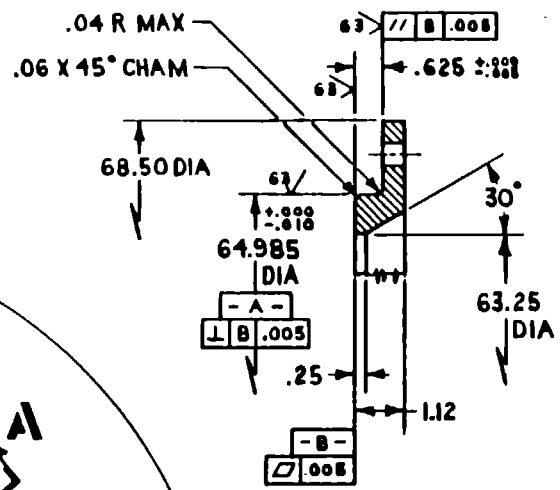
PI	47E382441G1	MOD - 5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:			
FRACTIONS	DECIMALS	ANGLES	
± ~	± .01	± 1/2°	
ALL SURFACES 63/			
MATERIAL: ALLOY STEEL PER ASTM B72 OR B80			

SIGNATURES				DAY	MO	YR
DRAWN	<i>[Signature]</i>	17	11	83		
CHECKED	<i>[Signature]</i>	19	12	83		
ISSUED	<i>[Signature]</i>	3	5	84		
ENGRD	<i>[Signature]</i>	20	11	83		
MFG	<i>[Signature]</i>	24	11	84		
MATLS	N/A					
STRESS						
P.A.						
CHIEF ENG <i>[Signature]</i> 12 1 84						

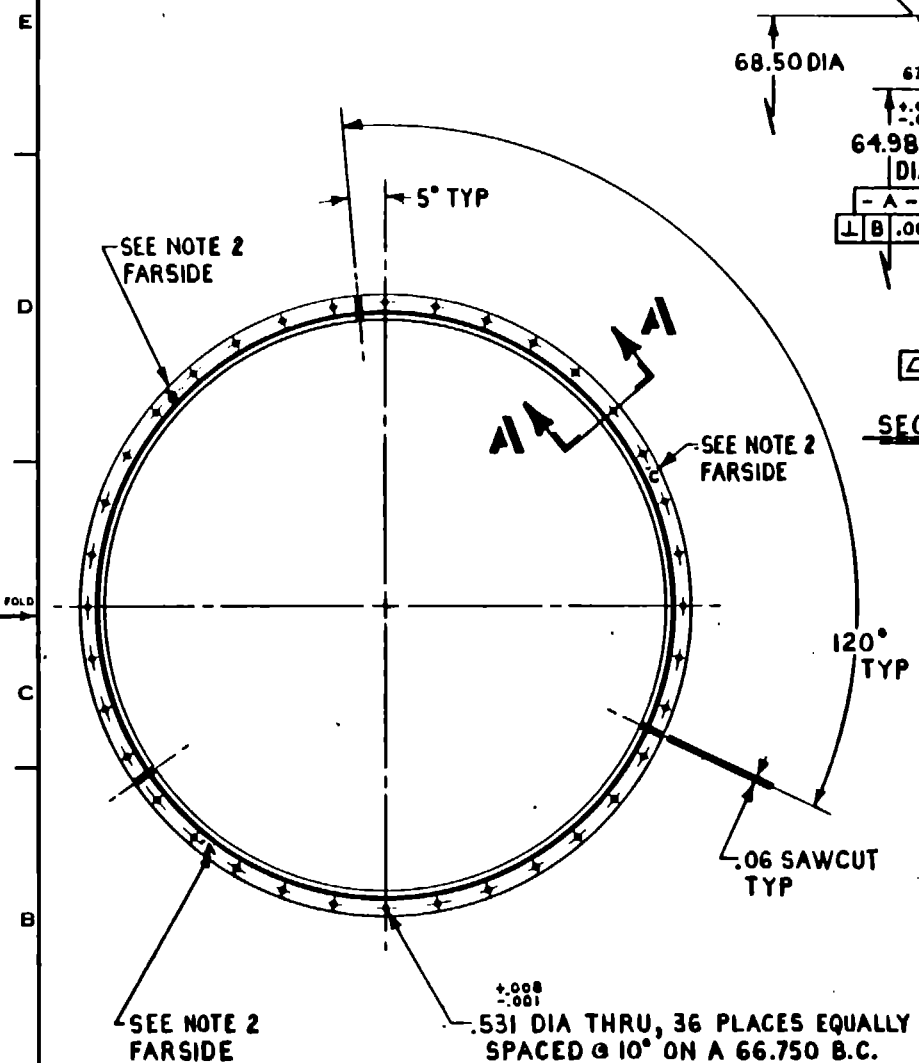
GENERAL ELECTRIC		LOC KING OF PRUSSIA, PA.	
AEPD DEPT			
INSERT, BRAKE DISC			
MOD - 5A			
SIZE	CODE IDENT NO.		
B	47B382558		
SCALE	1/1		

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



SECTION A-A
SCALE: 1/2

- NOTES:**
1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 2. MARK "GE47C382559PIA", "GE47C382559PIB" AND "GE47C382559PIC", USING RUBBER STAMP.
 3. APPLY COATING TO ALL SURFACES PER G.E. SPEC 47A380048, PARA. 4.4.
 4. REMOVE ALL BURRS AND SHARP EDGES.
 5. ESTIMATED WEIGHT 90 LBS.



(PI) MADE IN 3 SEGMENTS
PIA, PIB AND PIC

±.008
- .001
.531 DIA THRU, 36 PLACES EQUALLY
SPACED @ 10° ON A 66.750 B.C.
⊕ B A ⊙ ∅ .010 ⊙

PI	47E982441	MOD - GA
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES—
TOLERANCES ON
2 PLACE DECIMALS ± .02 ALL SURF
3 PLACE DECIMALS ± .010 SURF
ANGLES ± 1/2° 128/✓
FRACTIONS ± 1/32
MATERIAL—
**ALLOY STEEL
PER ASTM A283**

SIGNATURES		DAY	MO	YR
DRAWN	<i>[Signature]</i>	14	11	88
CHECKED	<i>[Signature]</i>	21	12	88
ISSUED	<i>[Signature]</i>	3	5	84
ENG'D	<i>[Signature]</i>	3	1	84
MFG	<i>[Signature]</i>	20	4	84
MATLS	<i>[Signature]</i>			
STRGTH	<i>[Signature]</i>			
P.A.	<i>[Signature]</i>			
COMP ENG	<i>[Signature]</i>	12	1	84

GENERAL ELECTRIC
A&P DEPT LOC. KING OF PRUSSIA, PA

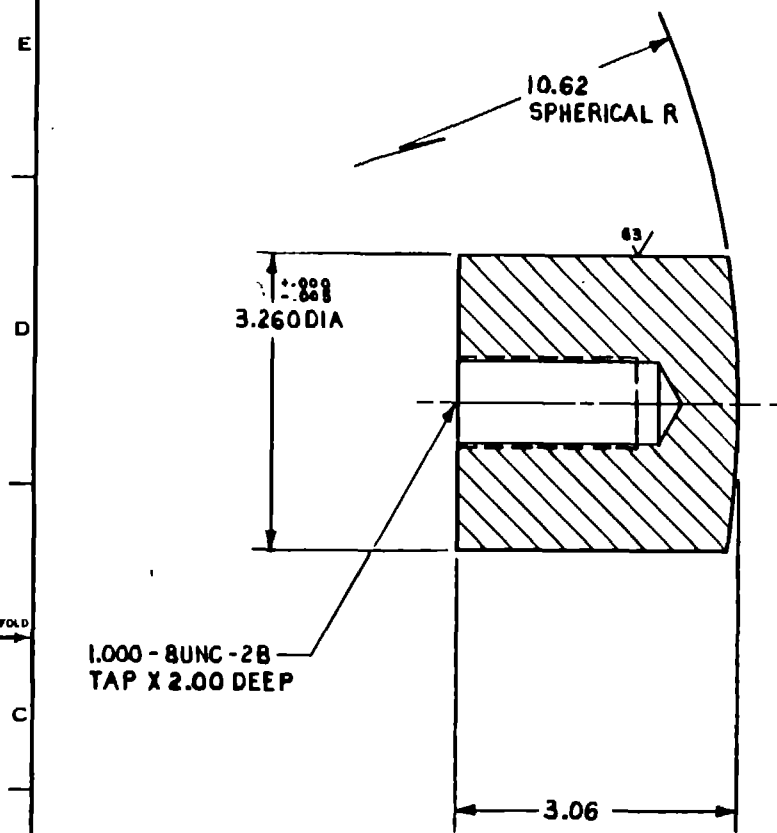
ROTOR SEAL RETAINER, FWD

SIZE CODE IDENT NO
C 47C382559

SCALE 1/10 SHEET 1 OF 1

FOLD
REV
47C382559
C
WTG-500
DST 10

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



NOTES:

1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
2. FINISHED PLUG TO BE BOXED OR BAGGED WITH G.E. IDENT NO. "GE47C382560 P1"
3. ESTIMATED WEIGHT 7 LBS.
4. APPLY COATING TO ALL SURFACES PER G.E. SPEC 47A380048 PARA 4.4.

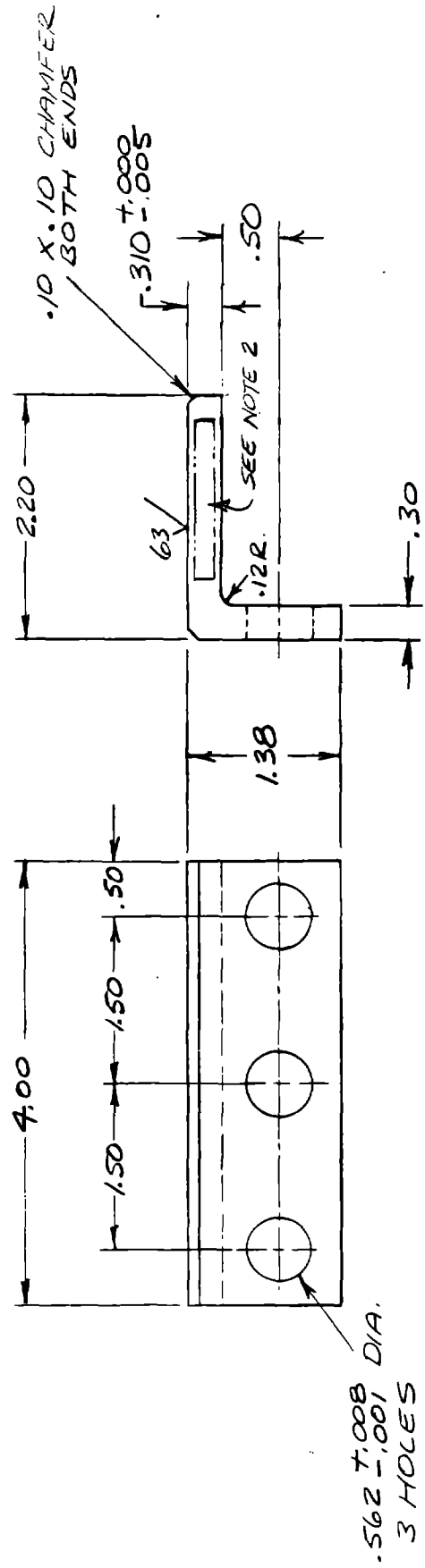
PI

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ON 2 PLACE DECIMALS ± .08 ALL SURF 3 PLACE DECIMALS ± .010 SURF ANGLES ± ~ FRACTIONS ± ~ MATERIAL—		SIGNATURES			DAY	MO	YR	GENERAL ELECTRIC AEP -DEPT LOC. KING OF PHUSSIA PA PLUG, TORQUE PLATE MOD - 5A SIZE CODE IDENT NO C 47C382560 SCALE 1/1 SHEET 1 OF 1
ALLOY STEEL AISI 1042		DRAWN	11	11	88	GENERAL ELECTRIC		
APPLICATION		CHECKED	08	12	88	AEP -DEPT LOC. KING OF PHUSSIA PA		
P1 47C382441 MOD-5A		ISSUED	3	5	84	PLUG, TORQUE PLATE		
SUFFIX NEXT ASSY USED ON		ENGRD	3	1	84	MOD - 5A		
APPLICATION		MFG	30	4	84	SIZE CODE IDENT NO		
APPLICATION		MATL	N/A			C 47C382560		
APPLICATION		STRESS	—			SCALE 1/1 SHEET 1 OF 1		
APPLICATION		P.A.	—			SCALE 1/1 SHEET 1 OF 1		
APPLICATION		CRIP ENG	12	1	84	SCALE 1/1 SHEET 1 OF 1		

WTG - 500
REV C 47C382560

REVISIONS	
DESCRIPTION	DATE

ZONE	LIR



PI	APP2B2563G1	MOD-5A-WTG
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

GENERAL ELECTRIC A. E. P. DEPT	
LOGGING OF PRESS/A, PA.	
BEARING ANGLE	
MOD-5A-WTG	
SIZE	CODE IDENT NO.
B	47B382564
SCALE FULL	
SHEET 1 OF 1	

SIGNATURES	DAY	NO	YR
DRYER	22	11	81
CHECKED	1	11	81
ISSUED	1	11	81
ENGR	3	5	81
MFG	14	12	81
MATL	21	12	81
PA	21	12	81
STRESS	21	12	81
CHIEF ENGR	21	12	81

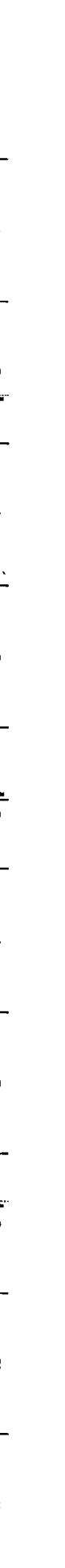
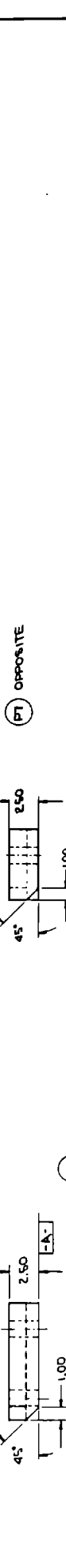
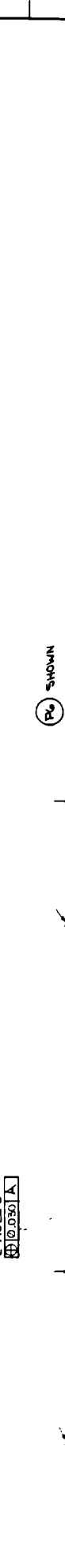
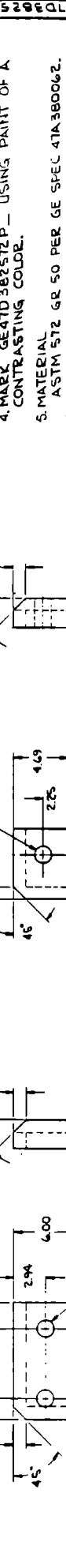
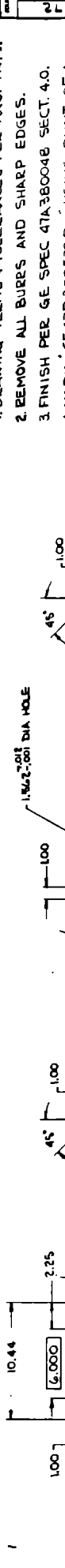
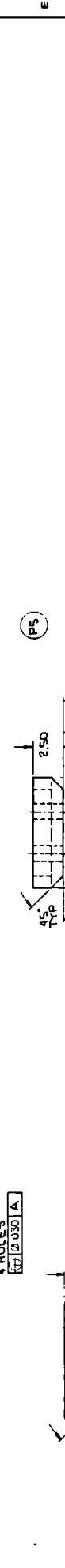
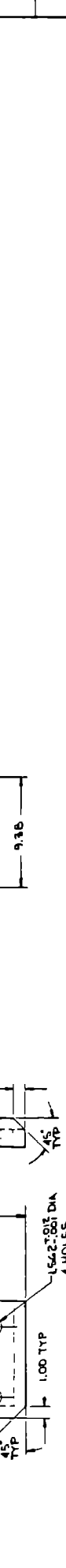
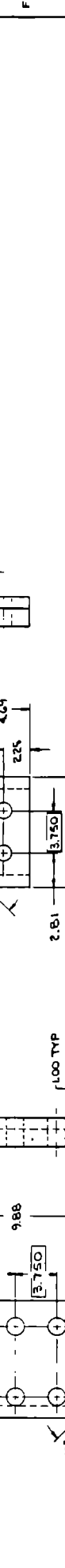
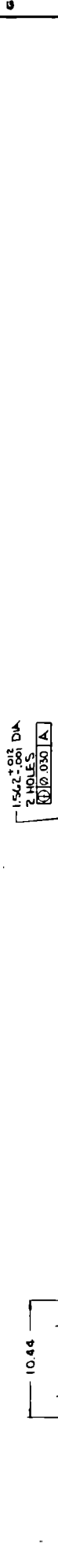
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES OR: FRACTIONS DECIMALS ANGLES .XX ± .02 ± .XX ± .010 ALL SURFACES 125 MATL. BRASS HALF HARD GE SPEC. B1180C

(PI)

- NOTES:-
1. DRAWING TERMS & TOLERANCES PER ANSI Y14.5.
 2. MARK "GE 47B382564PI" WITH RUBBER STAMP OR PAINT WHERE INDICATED.
 3. BREAK ALL SHARP CORNERS .02 X .02 MAX.

11 10 9 8 7 6 5 4 3 2 1

DATE	APPROVED



NOTES:

1. DRAWING TERMS & TOLERANCES PER ANSI Y14.5.
2. REMOVE ALL BURS AND SHARP EDGES.
3. FINISH PER GE SPEC 47A380048 SECT. 4.0.
4. MARK 'GEATD382572P' USING PAINT OF A CONTRASTING COLOR.
5. MATERIAL
ASTM 572 GR 50 PER GE SPEC 47A380062.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
FRACTIONS SHALL BE IN 16ths
DECIMALS SHALL BE TO 3 PLACES
DIMENSIONS ± .010 SURF
FINISHES ± .005

REV	BY	DATE	DESCRIPTION
1			
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11			

SEE NOTE 5

DATE	BY	APP. FOR	APP. FOR

GENERAL ELECTRIC
SPACERS
(ADAPTER/SIDE SUPPORT)
WTS - MOD 5A

47D382572

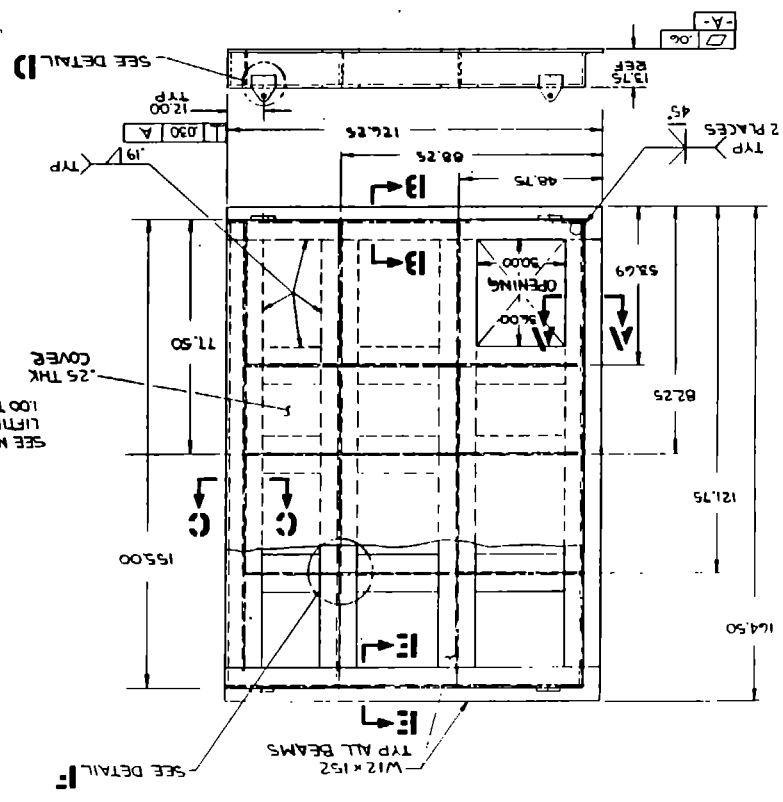
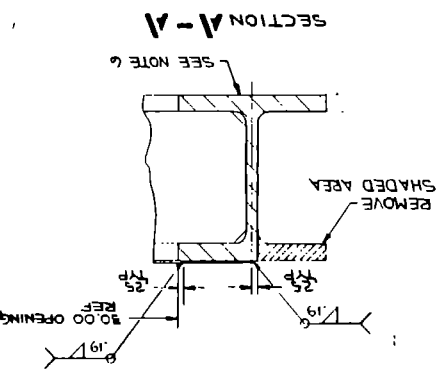
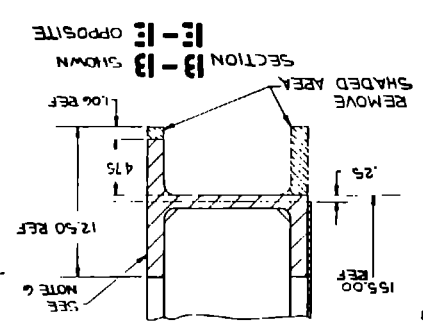
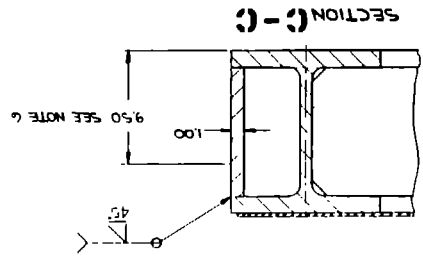
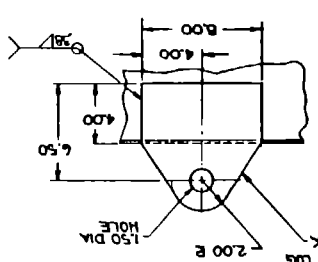
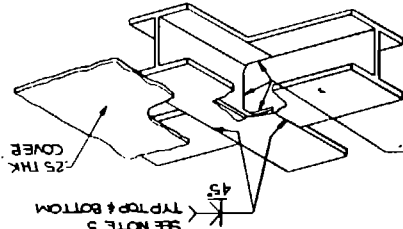
SCALE	SHEET
1/8"	1 OF 1

REVISIONS		DATE		APPROVED	
1					
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4					
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10					
11					

EST. WT = 14,680

GENERAL ELECTRIC
TOP STRUCTURE
FORWARD SECTION
WTG MOD-5A
47D382574

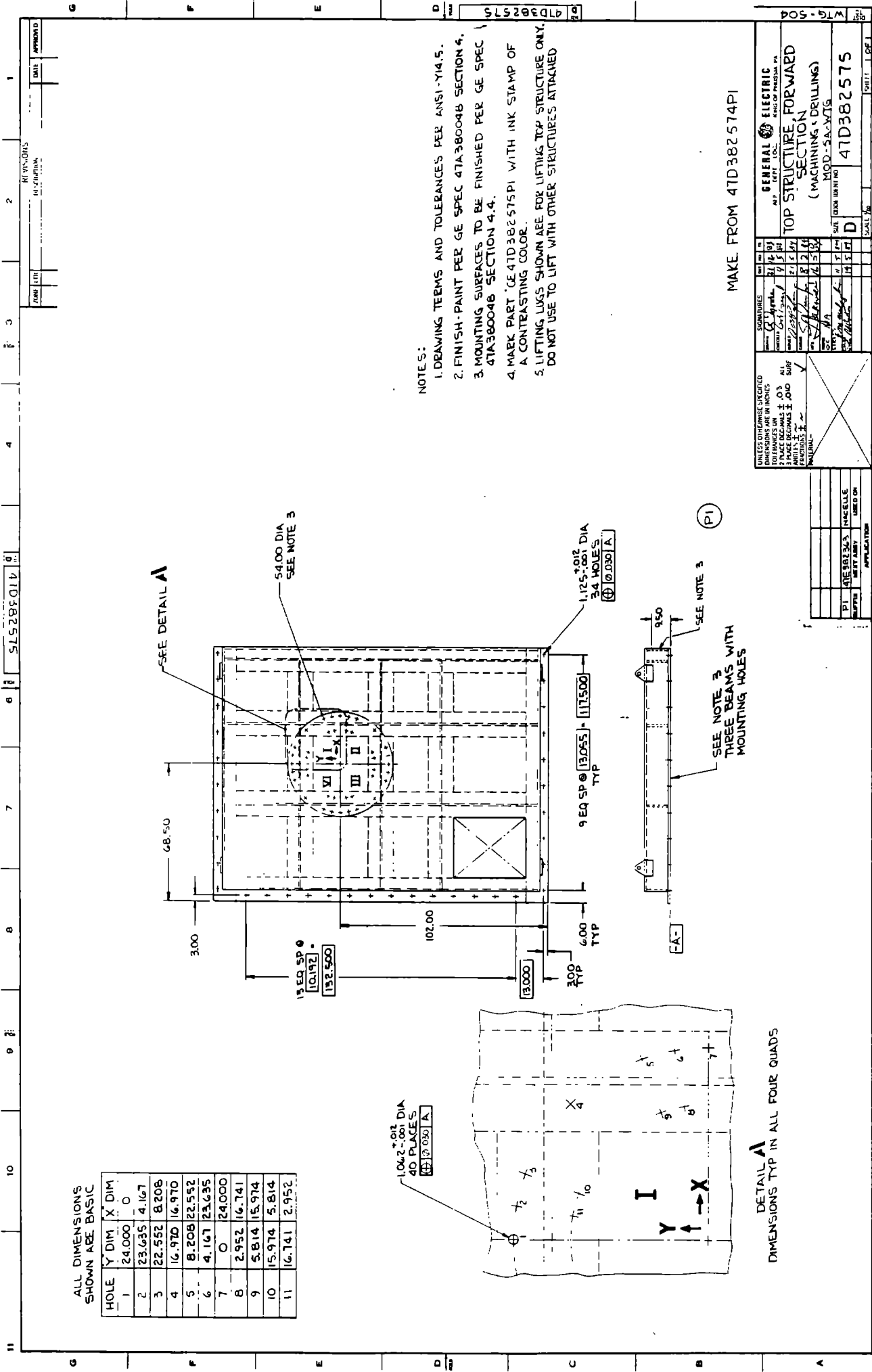
NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
2. TOLERANCES - CENTERLINE DIMENSIONS FOR ALL BEAMS SHALL BE BASIC.
- LOCATION OF PARTS SHALL BE HELD WITHIN ± 12 .
- OVERALL DIMENSIONS TO BE HELD WITHIN ± 12 .
- CHAMFER CORNER TO CLEAR BEND RADIUS OR WELD BEADS OF MATING PARTS BY .25.
3. ALL WELDING, SURFACE PREPARATION AND INSPECTION PER GE SPEC 47A38004. ALL WELDS TO BE FULL PENETRATION.
4. POST WELD HEAT TREAT FRAME STRUCTURE AFTER WELDING AND PRIOR TO INSTALLING COVER PLATE PER GE SPEC 47A38004 PARA 4.1.7.
5. DEGREASE, CLEAN AND PRIME PER GE SPEC 47A38004B. APPLY COATING TO UNPAINTED SURFACES PER GE SPEC 47A38004 PARA 4.4.
6. APPROVAL OF SUPPLIER'S MANUFACTURING DRAWINGS IS REQUIRED PRIOR TO FABRICATION.
7. FOR FINAL MACHINING SEE GE DWG 47D382575.
8. MARK PART GE47D382574PI WITH INK STAMP OF A CONTRASTING COLOR.
9. LIFTING LUGS SHOWN ARE FOR LIFTING TOP STRUCTURE ONLY. DO NOT USE TO LIFT WITH OTHER STRUCTURES ATTACHED.



ORIGINAL PAGE IS
OF POOR QUALITY

DATE	APPROVED

47D382574



ALL DIMENSIONS SHOWN ARE BASIC

HOLE	Y DIM	X DIM
1	24.000	0
2	23.635	4.167
3	22.552	8.208
4	16.970	16.970
5	8.208	22.552
6	4.167	23.635
7	0	24.000
8	2.952	16.741
9	5.814	15.974
10	15.974	5.814
11	16.741	2.952

1.042" DIA HOLES
 40 PLACES
 (0.030) A

- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
 2. FINISH PAINT PER GE SPEC 47A38004B SECTION 4.
 3. MOUNTING SURFACES TO BE FINISHED PER GE SPEC 47A38004B SECTION 4.4.
 4. MARK PART GE 47D382575PI WITH INK STAMP OF A CONTRASTING COLOR.
 5. LIFTING LUGS SHOWN ARE FOR LIFTING TCP STRUCTURE ONLY. DO NOT USE TO LIFT WITH OTHER STRUCTURES ATTACHED.

MAKE FROM 47D382574PI

DETAIL A
 DIMENSIONS TYP IN ALL FOUR QUADS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. 3 PLACE DECIMALS ±.000 SURF FINISH UNLESS OTHERWISE SPECIFIED.

NO	REV	DATE	BY	CHKD	DESCRIPTION
1					
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11					

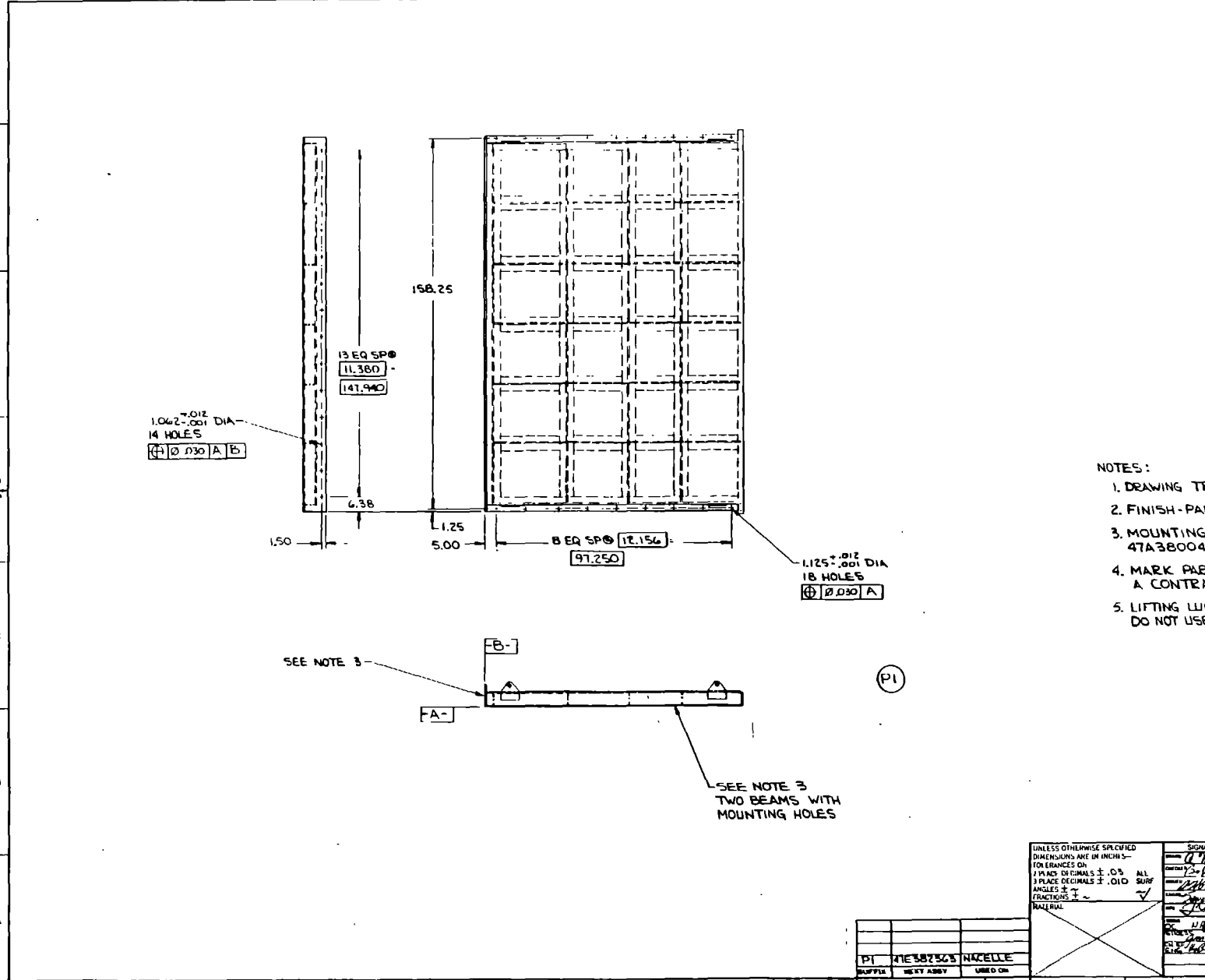
GENERAL ELECTRIC
 DIVISION OF GENERAL ELECTRIC COMPANY
 TOP STRUCTURE FORWARD SECTION
 (MACHINING & DRILLING)
 GE 47D382575
 47D382575

SCALE: 1" = 1'-0"

NO	REV	DATE	BY	CHKD	DESCRIPTION
1					
2					
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4					
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7					
8					
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10					
11					

DATE: 10/15/81
 BY: [Signature]
 CHKD: [Signature]

11 10 9 8 7 6 5 4 3 2 1



REV		DESCRIPTION	DATE	APPROVED

- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
 2. FINISH-PAINT PER GE SPEC 47A380048 SECTION 4.
 3. MOUNTING SURFACES TO BE FINISHED PER GE SPEC 47A380048 SECTION 4.4.
 4. MARK PART "GE 47D382571PI" WITH INK STAMP OF A CONTRASTING COLOR.
 5. LIFTING LUGS SHOWN ARE FOR LIFTING TOP STRUCTURE ONLY. DO NOT USE TO LIFT WITH OTHER STRUCTURE ATTACHED.

MAKE FROM 47D382576PI

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ON 1 PLACE DECIMALS ± .05 2 PLACE DECIMALS ± .010 ANGLES ± FRACTIONS ± MATERIAL		SIGNATURES DATE BY CHKD APP'D		GENERAL ELECTRIC MFG. CO. KING OF PRUSSIA, PA.	
PI 47D382576 NACELLE		DATE: 6 1 64 BY: [Signature] CHKD: [Signature] APP'D: [Signature]		TOP STRUCTURE AFT SECTION (MACHINING & DRILLING)	
APPLICATION		DATE: 6 2 64 BY: [Signature] CHKD: [Signature] APP'D: [Signature]		MOD-5A-WTG	
		DATE: 6 5 64 BY: [Signature] CHKD: [Signature] APP'D: [Signature]		DRAWING NO 47D382577	
				SHEET 1 OF 1	

11 10 9 8 7 6 5 4 3 2 1

5

4

FOLD

3

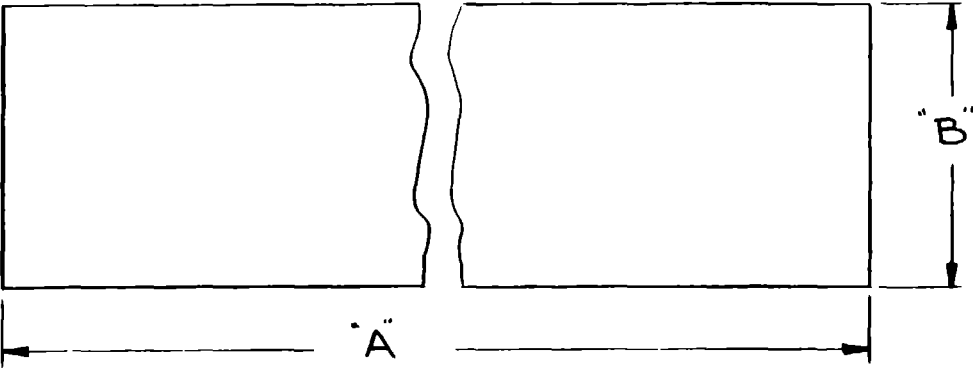
2

SIZE B 47B382580 SHEET 1 OF 1 REV

D

C

B



PART NO	"A" DIM	"B" DIM
P1	155.00	9.50
P2	164.50	2.75
P3	22.25	2.75

REVISIONS				
ZONE	L.I.R.	DESCRIPTION	DATE	APPROVED

NOTES:

- DRAWING TERMS & TOLERANCES PER ANSI Y14.5
- MARK "GE47B382580P" USING PAINT OF A CONTRASTING COLOR
- MATERIAL SPONGE RUBBER PER GE SPEC A12A9C2, .25 THK.

ENR07-12-82, PRINTED IN U.S.A.

P1,P2,P3	47E382363	NACELLE
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:		
FRACTIONS	DECIMALS	ANGLES
$\pm .005$	$\pm .012$	$\pm .1$
ALL SURFACES <input checked="" type="checkbox"/> SEE NOTE 3		
MATERIALS		
DRAWN	DAY	MO
CHECKED	15	11 83
ISSUED	30	5 84
ENGRD	8	2 84
MFG	16	5 84
MATLS	N/A	
STRES	11	5 84
ENGR	21	5 84

GENERAL ELECTRIC	
AEP -DEPT	LOC KING OF PRUSSIA, PA.
SEAL	
TOP STRUCTURE, NACELLE	
WTG MOD: SA	
SIZE	CODE IDENT NO.
B	47B382580
SCALE 1/4	SHEET 1 OF 1

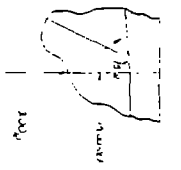
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FORM 11148 (8-82)

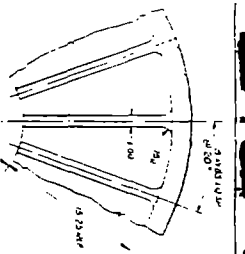
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3

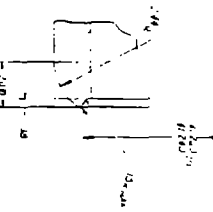
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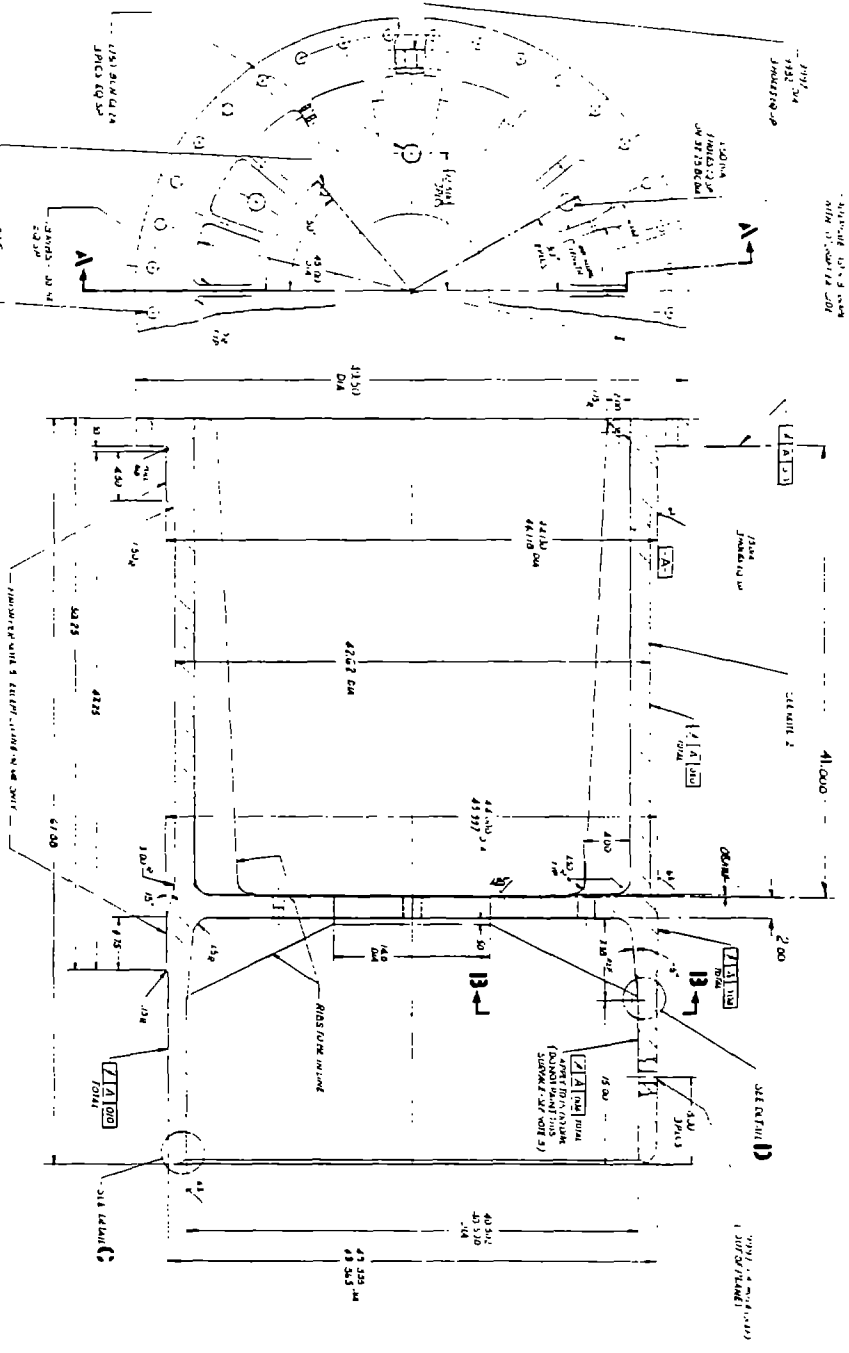
DETAIL D
SCALE 1/2



SECTION B-B
SCALE 1/2



DETAIL C
SCALE 1/2



SECTION A-A
SCALE 1/2

1.005 - 20' 0" DIA
20 SPACED ON 4"
20' 0" DIA 5 C. DIA
20' 0" DIA
MINOR HOLE IN FLOORING

REINFORCED CONCRETE
MIN. 10' 0" DIA

10' 0" DIA
REINFORCED
CONCRETE
MIN. 10' 0" DIA

10' 0" DIA
REINFORCED
CONCRETE
MIN. 10' 0" DIA

10' 0" DIA
REINFORCED
CONCRETE
MIN. 10' 0" DIA

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10' 0" DIA
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CONCRETE
MIN. 10' 0" DIA

10' 0" DIA
REINFORCED
CONCRETE
MIN. 10' 0" DIA

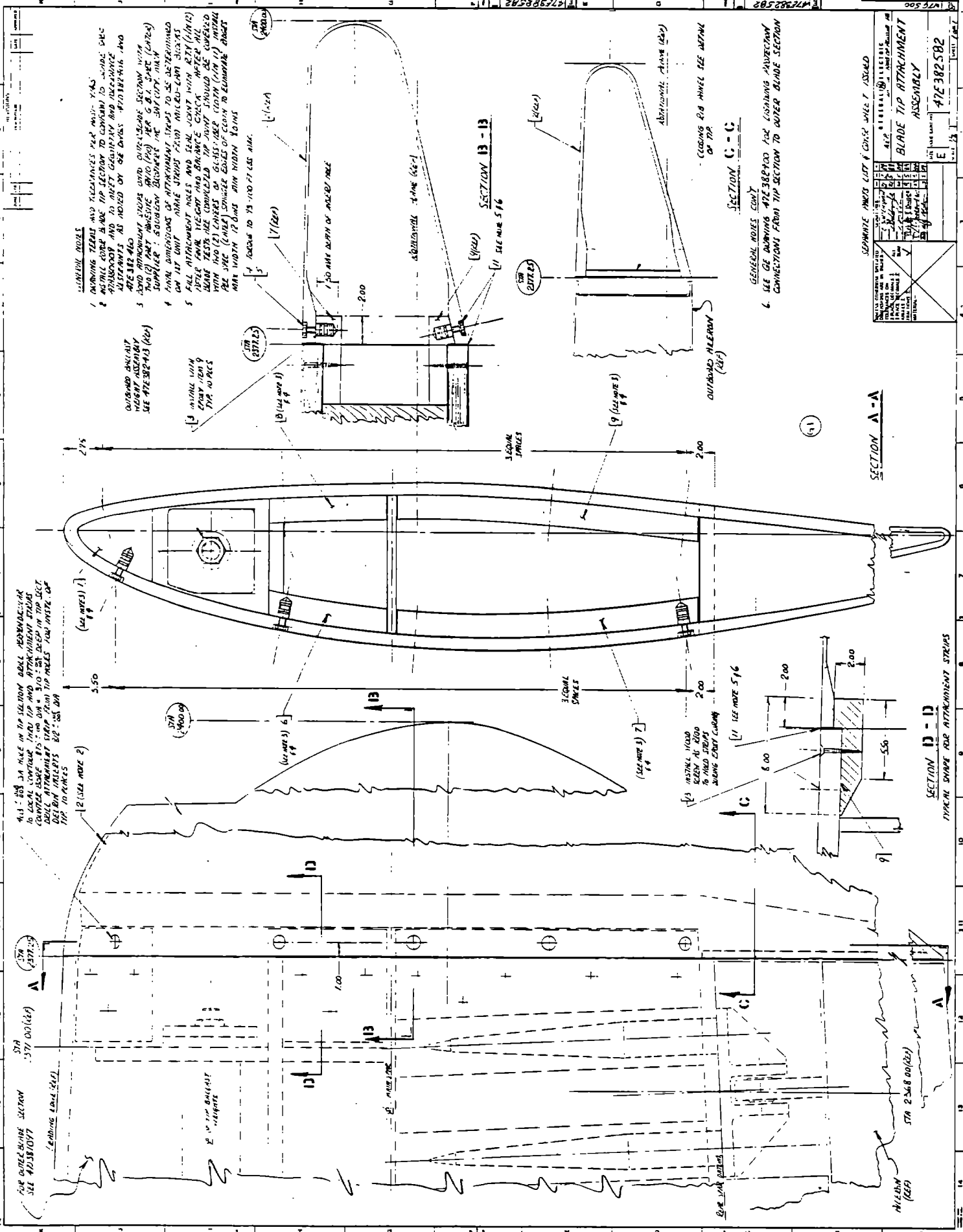
10' 0" DIA
REINFORCED
CONCRETE
MIN. 10' 0" DIA

10' 0" DIA
REINFORCED
CONCRETE
MIN. 10' 0" DIA

ORIGINAL PAGE IS
OF POOR QUALITY

NOTE:
1. THIS DRAWING IS REPRODUCED FROM THE ORIGINAL DRAWING.
2. ALL DIMENSIONS ARE IN FEET AND INCHES.
3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
5. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
6. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
7. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
8. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
9. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
10. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.

PROJECT	DATE	SCALE	BY	CHECKED
SLIMING G	10/10/54	1/2"	J. W. HUBBARD	J. W. HUBBARD
NO. 1	10/10/54	1/2"	J. W. HUBBARD	J. W. HUBBARD
NO. 2	10/10/54	1/2"	J. W. HUBBARD	J. W. HUBBARD
NO. 3	10/10/54	1/2"	J. W. HUBBARD	J. W. HUBBARD
NO. 4	10/10/54	1/2"	J. W. HUBBARD	J. W. HUBBARD
NO. 5	10/10/54	1/2"	J. W. HUBBARD	J. W. HUBBARD
NO. 6	10/10/54	1/2"	J. W. HUBBARD	J. W. HUBBARD
NO. 7	10/10/54	1/2"	J. W. HUBBARD	J. W. HUBBARD
NO. 8	10/10/54	1/2"	J. W. HUBBARD	J. W. HUBBARD
NO. 9	10/10/54	1/2"	J. W. HUBBARD	J. W. HUBBARD
NO. 10	10/10/54	1/2"	J. W. HUBBARD	J. W. HUBBARD



- GENERAL NOTES**
1. OVERLINE TERMS AND DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
 2. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED.
 3. DIMENSIONS OF ATTACHMENT STRIPS TO BE DETERMINED BY THE UNIT.
 4. ALL ATTACHMENT HOLES AND SEAL JOINTS MUST BE PROTECTED AGAINST CORROSION.
 5. ALL ATTACHMENT HOLES AND SEAL JOINTS MUST BE PROTECTED AGAINST CORROSION.

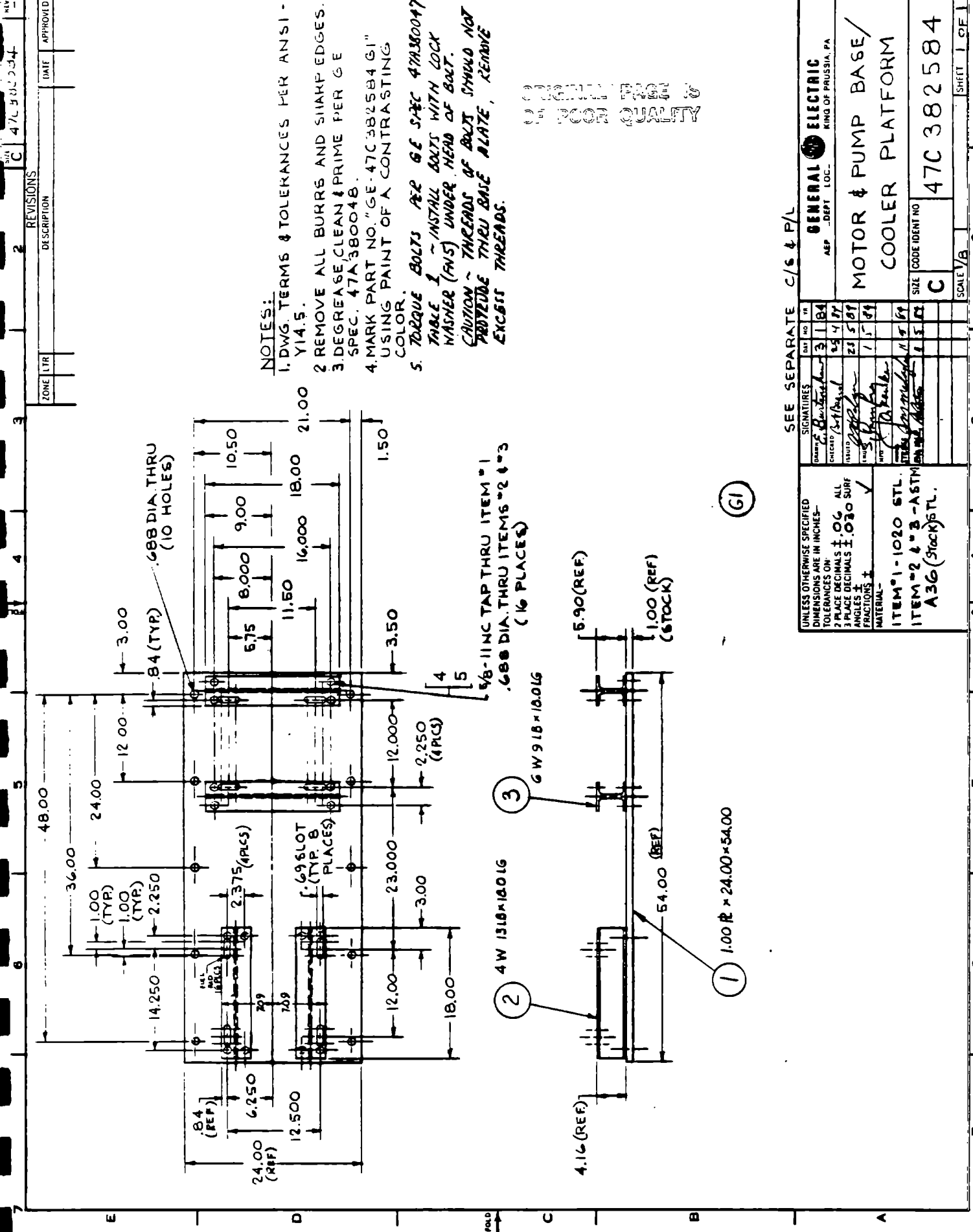
GENERAL NOTES CONTY
 6. SEE THE DRAWING 47E 382 582 FOR CLOSING SUBSEQUENT CONNECTIONS FROM TIP SECTION TO OUTER BLADE SECTION

SEPARATE ANODE LIST & OTHER SHEET ASSUED

REV	DATE	DESCRIPTION
1		
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47E 382 582
 BLADE TIP ATTACHMENT
 ASSEMBLY

ORIGINAL PAGE IS OF POOR QUALITY



- NOTES:**
1. DWG. TERMS & TOLERANCES PER ANSI-Y14.5.
 2. REMOVE ALL BURRS AND SHARP EDGES.
 3. DEGREASE, CLEAN & PRIME PER GE SPEC. 47A380048.
 4. MARK PART NO. "GE-47C382584 G1" USING PAINT OF A CONTRASTING COLOR.
 5. TORQUE BOLTS PER GE SPEC 47A380047 TABLE 1 - INSTALL BOLTS WITH LOCK WASHER (FN5) UNDER HEAD OF BOLT. CAUTION - THREADS OF BOLT SHOULD NOT PROTRUDE THRU BASE ALATE, REMOVE EXCESS THREADS.

GENERAL ELECTRIC
 KING OF PRUSSIA, PA
 MOTOR & PUMP BASE / COOLER PLATFORM

SEE SEPARATE C/S & P/L

SIGNATURES	DWG NO	REV
DESIGNED BY: [Signature]	3	1
ENGR'D BY: [Signature]	4	1
CHK'D BY: [Signature]	5	1
APP'D BY: [Signature]	6	1
DATE: [Signature]	7	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES—	
2 PLACE DECIMALS ±.06	ALL
3 PLACE DECIMALS ±.030	SURF
ANGLES ±	FRACTIONS ±
MATERIAL—	
ITEM #1-1020 STL.	
ITEM #2 & #3-ASTM	
A36 (STOCK) STL.	

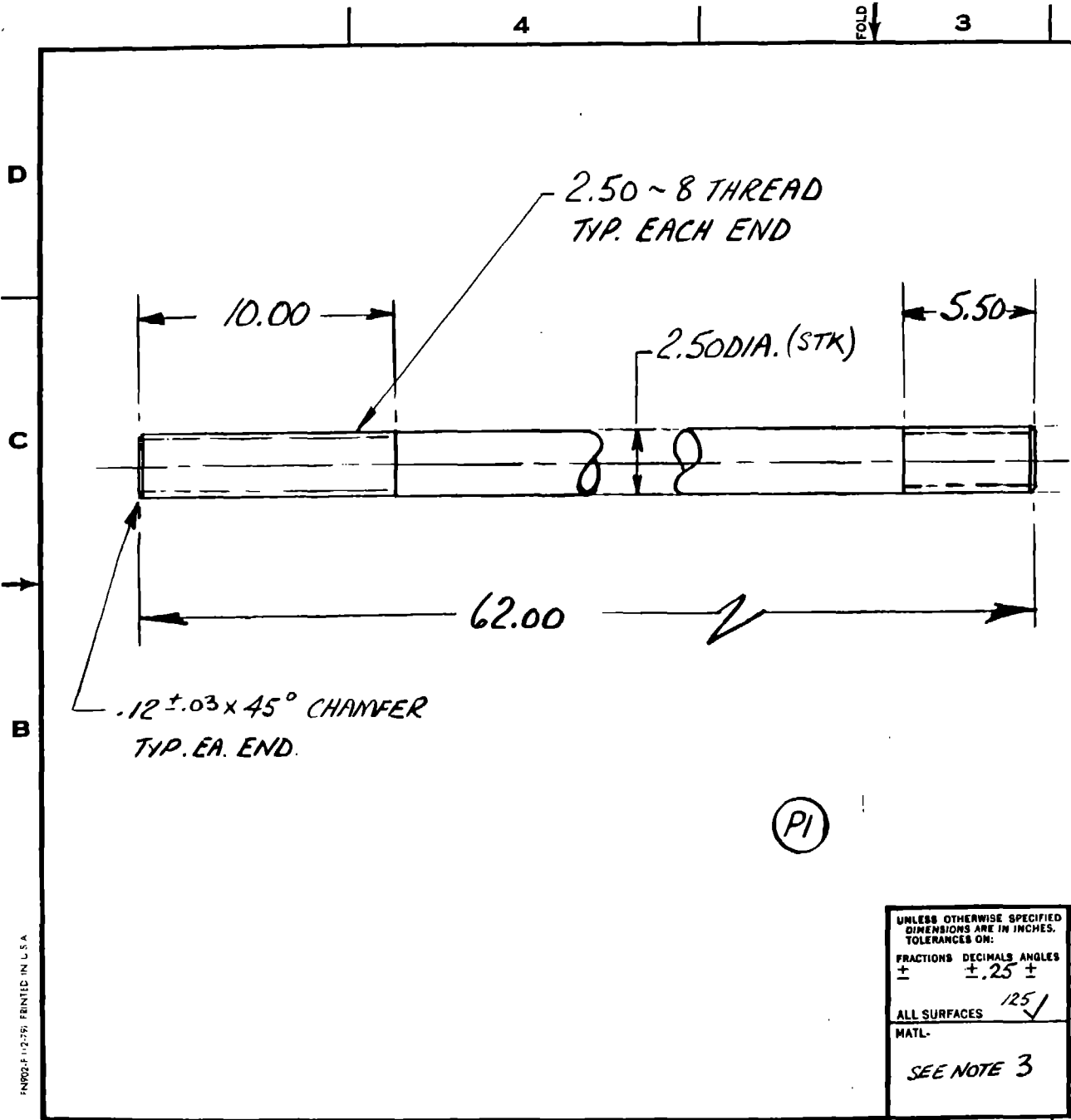
GENERAL ELECTRIC
 AEP DEPT LOC.
 MOTOR & PUMP BASE / COOLER PLATFORM
 SIZE CODE IDENT NO
 C
 SCALE 1/8" = 1" 2

G1

SIZE B 47B382585 SHEET 1 OF 1 REV

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED



NOTES.

1. DWG TERMS & TOL PER ANSI Y14.5
2. MARK STUDS GE 47B382585PI WITH RUBBER STAMP OR PAINT
3. STUD TO CONFORM TO ASTM A193 B7

ENR02-F-112-581 PRINTED IN U.S.A.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:

FRACTIONS DECIMALS ANGLES
 \pm $\pm .25$ \pm

ALL SURFACES 125 ✓
 MATL-

SEE NOTE 3

SIGNATURES		DAY	MO	YR
DRAWN	<i>[Signature]</i>	16	7	89
CHECKED	<i>[Signature]</i>	17	2	89
ISSUED	<i>[Signature]</i>	5	3	89
ENGRD	<i>[Signature]</i>	20	2	84
MFG				
MATLS				

GENERAL ELECTRIC
 A.E.P. DEPT LOC KING OF PRUSSIA, PA

ANCHOR STUD

SIZE B CODE IDENT NO. 47B382585

SCALE 1/4 SHEET 1 OF 1

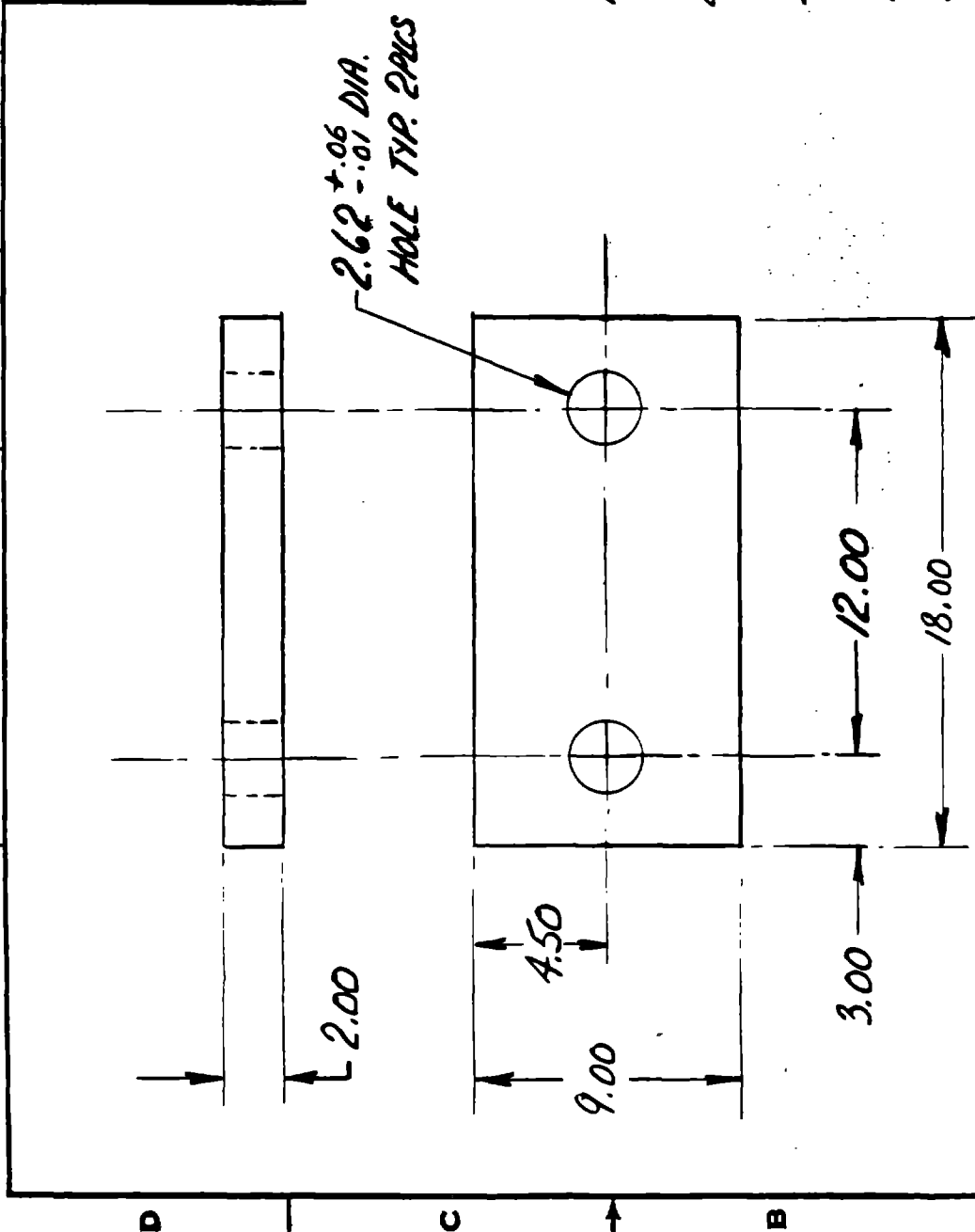
REVISED SHEET NO. 2
 47B382386 7/21/61

REVISIONS	
ZONE	DESCRIPTION

3

4

5



NOTES

1. DWG TERMS AND TOLERANCES PER ANSI Y4.5
2. MARK GE 47B382386 PI WITH RUBBER STAMP OR PAINT.
3. MATE PER ASTM A516 GR 60 QUENCHED AND TEMPERED
4. FINISH ~ NONE
5. BREAK ALL SHARP EDGES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES OR: FRACTIONS DECIMALS ANGLES ± .12 ± .125

SIGNATURES	DAY	NO	VR
DRAWING	7	17	17
CHECKED	17	2	194
ISSUED	5	3	64
QUOTED FOR	7	2	61
INFO			
MATL.			

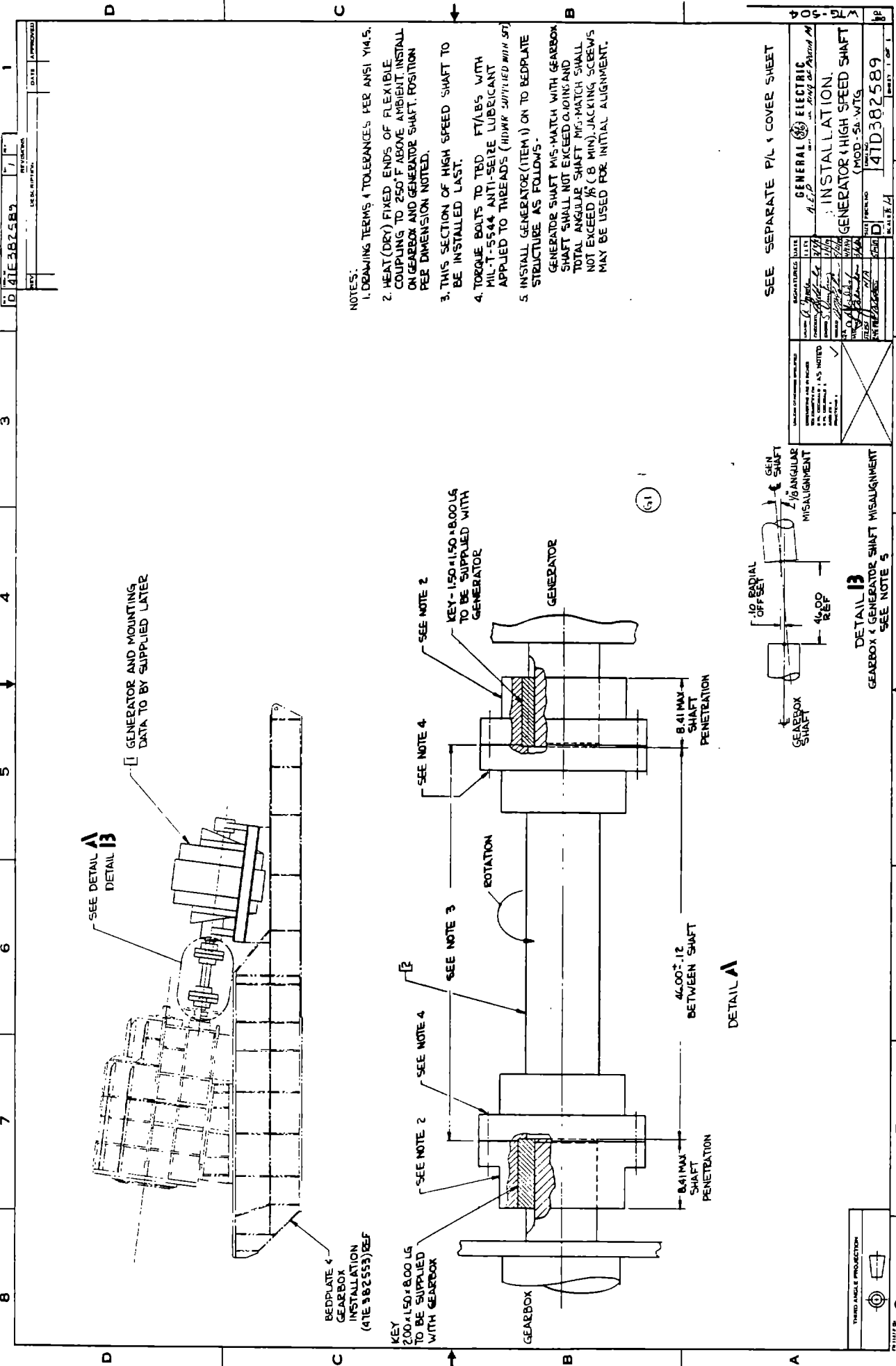
SEE NOTE 3.

(PI)

GENERAL ELECTRIC
 ALEP, DEPT LOC 1/16 OF PRISON, PA.

ANCHOR PLATE

SIZE CODE IDENT NO. B 47B382386
 SCALE 1/4 SHEET 1 OF 1



- NOTES:
1. DRAWING TERMS & TOLERANCES PER ANSI Y14.5.
 2. HEAT (DRY) FIXED ENDS OF FLEXIBLE COUPLING TO 250' F ABOVE AMBIENT. INSTALL ON GEARBOX AND GENERATOR SHAFT POSITION PER DIMENSION NOTED.
 3. THIS SECTION OF HIGH SPEED SHAFT TO BE INSTALLED LAST.
 4. TORQUE BOLTS TO TBD FT/BS WITH MIL-T-5544 ANTI-SEIZE LUBRICANT APPLIED TO THREADS (HOW SUPPLIED WITH SP).
 5. INSTALL GENERATOR (ITEM 1) ON TO BEDPLATE STRUCTURE AS FOLLOWS:
 GENERATOR SHAFT MIS-MATCH WITH GEARBOX SHAFT SHALL NOT EXCEED 0.001 IN. AND TOTAL ANGULAR SHAFT MIS-MATCH SHALL NOT EXCEED 1/8" (8 MIN). JACKING SCREWS MAY BE USED FOR INITIAL ALIGNMENT.

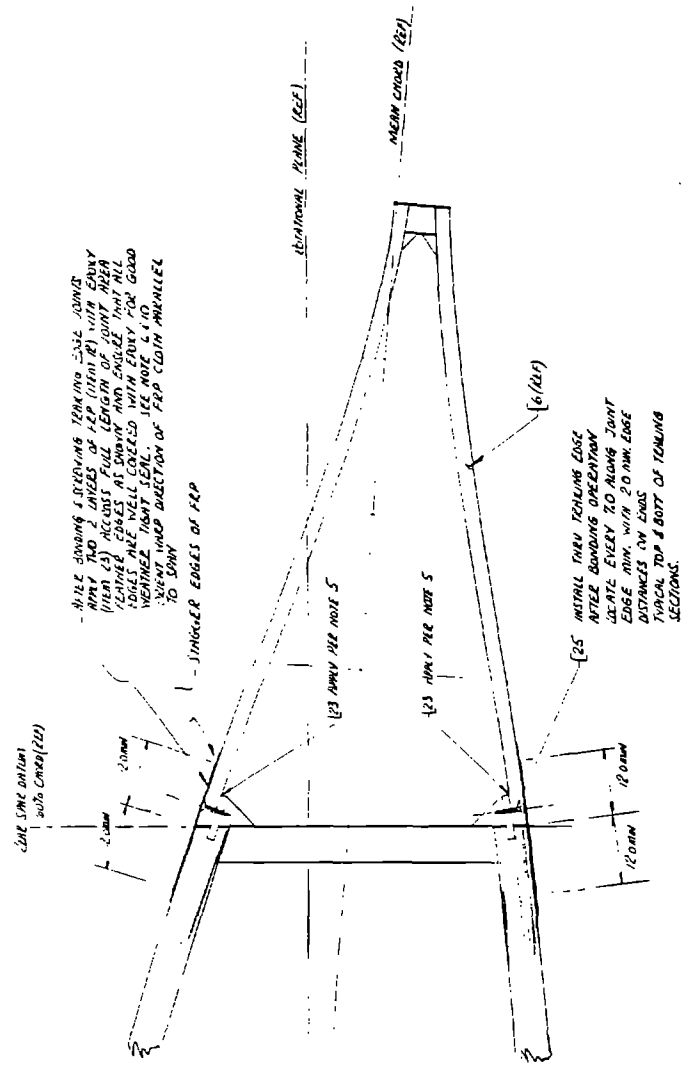
SEE SEPARATE P/L & COVER SHEET

DESIGNED BY	DATE	REVISIONS
DATE	BY	DESCRIPTION
GENERAL ELECTRIC INSTALLATION GENERATOR & HIGH SPEED SHAFT (MOD - 5A-WTG)		
PROJECT NO	DATE	SCALE
47D382589	4/11/51	1/1

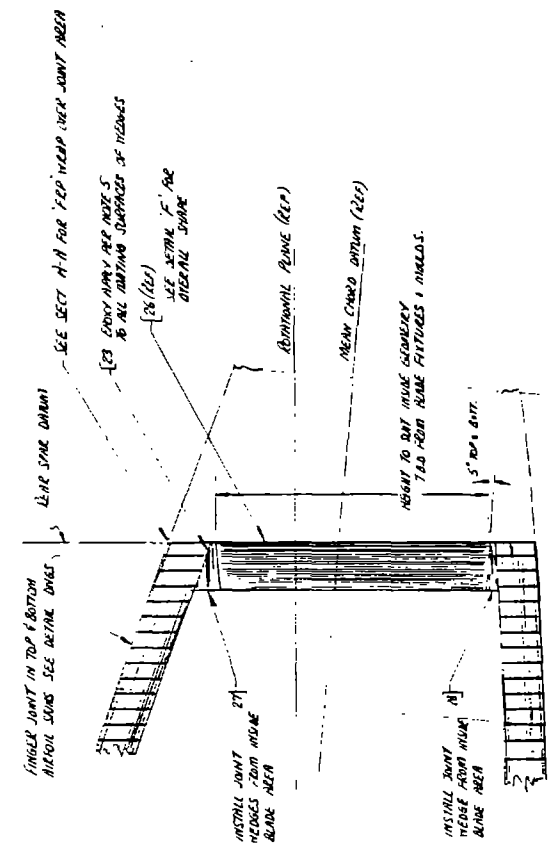
DETAIL B
 GEARBOX & GENERATOR SHAFT MISALIGNMENT
 SEE NOTE 5

THIRD ANGLE PROJECTION

REV	DATE	BY	CHKD
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SECTION J-J
TYPICAL FOR ALL TIE SECTION ATTACHMENTS



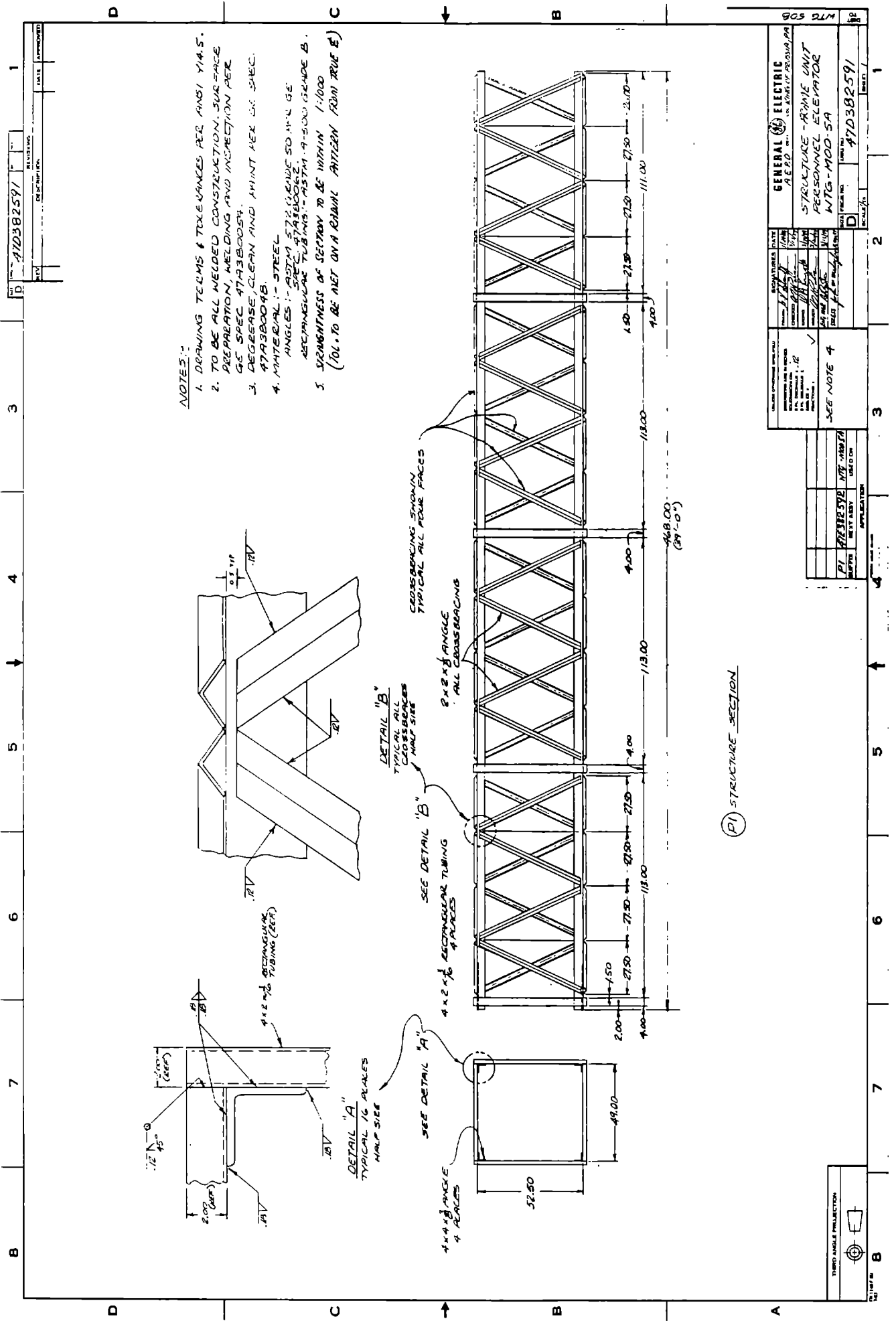
SECTION K-K
TYPICAL FOR ALL TIE SECTION ATTACHMENTS

NOTE: JOINTS TO BE MADE IN TENSILE ZONE OF MEMBER. JOINTS TO BE MADE IN TENSILE ZONE OF MEMBER. JOINTS TO BE MADE IN TENSILE ZONE OF MEMBER. JOINTS TO BE MADE IN TENSILE ZONE OF MEMBER. JOINTS TO BE MADE IN TENSILE ZONE OF MEMBER.

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NOTES:

1. DRAWING TELMS & TOLERANCES PER ANSI Y14.5.
2. TO BE ALL WELDED CONSTRUCTION. SURFACE PREPARATION, WELDING AND INSPECTION PER GE SPEC 47A3B0054.
3. DEGREASE, CLEAN AND MINT PER GE SPEC 47A3B0048.
4. MATERIAL:- STEEL ANGLES:- ASTM A36 GRADE 50 1/2 GE SPEC 47A3B0062 RECTANGULAR TUBING:- ASTM A135 GRADE B. STRAIGHTNESS OF SECTION TO BE WITHIN 1/1000 (TO L TO BE NET ON A RAINAL ANGLE FROM TRUE E)

(P1) STRUCTURE SECTION

REV	DATE	APPROVED
1		
DESCRIPTION		
47D3B2591		

DESIGNER	DATE
CHECKED	DATE
APPROVED	DATE
PROJECT NO. 47D3B2591	
SCALE 1/2" = 1'-0"	

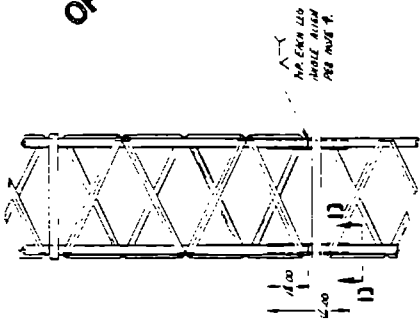
GENERAL ELECTRIC	965 92M
STAIRCASE - FRAME UNIT	
PERSONNEL ELEVATOR	
WTG-MOD-5A	

PI 47D3B2591	DATE
BY	
CHECKED	
APPROVED	

THIRD ANGLE PROJECTION	1
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3	4
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7	8

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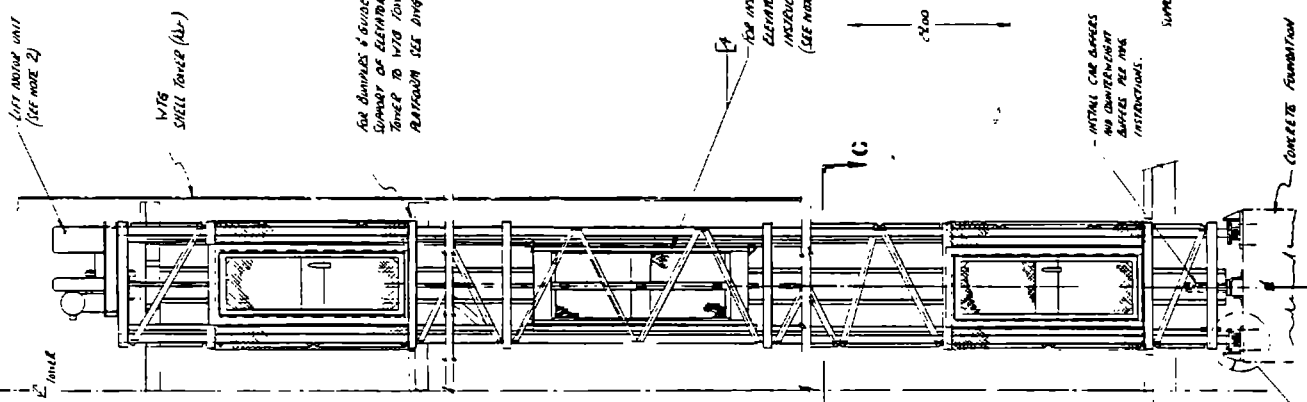
- REVISIONS
1. LAMINAR FLOOR FOR THE FIRST FLOOR
 2. PERSONNEL ELEVATOR TO BE INSTALLED PER COMPANY DRAWING AND THE INSTALLATION INSTRUCTIONS WITH A CONSULT OF THE PROJECT ARCHITECT (SEE THE LATEST REV.)
 3. SPECIAL ANCHORS TO BE INSTALLED PER THE ARCHITECT'S DRAWING (SEE THE LATEST REV.)
 4. THE TOP OF THE SHELL SHALL BE FINISHED WITH AN ANCHOR BOLT (SEE THE ARCHITECT'S DRAWING)
 5. THE SHELL SHALL BE FINISHED WITH AN ANCHOR BOLT (SEE THE ARCHITECT'S DRAWING)
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 28. THE SHELL SHALL BE FINISHED WITH AN ANCHOR BOLT (SEE THE ARCHITECT'S DRAWING)
 29. THE SHELL SHALL BE FINISHED WITH AN ANCHOR BOLT (SEE THE ARCHITECT'S DRAWING)
 30. THE SHELL SHALL BE FINISHED WITH AN ANCHOR BOLT (SEE THE ARCHITECT'S DRAWING)



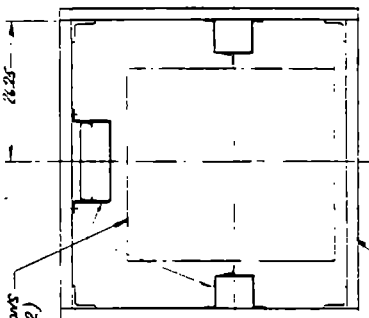
DETAIL B



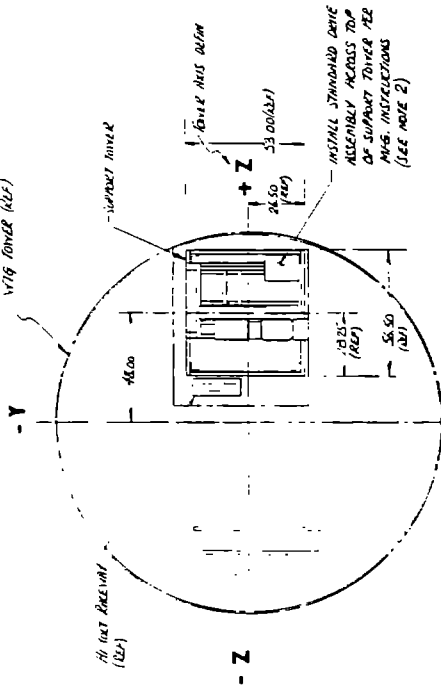
SECTION D-D



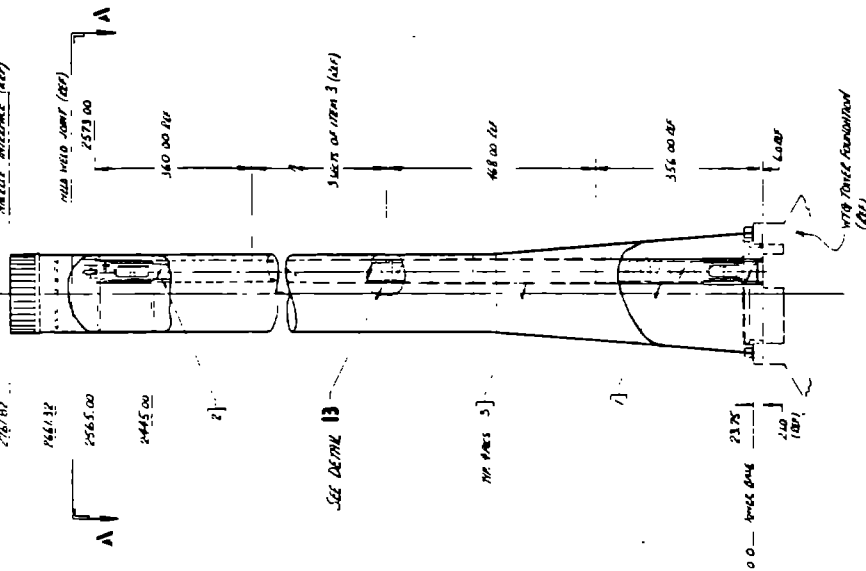
SECTION C-C



DETAIL E



SECTION A-A

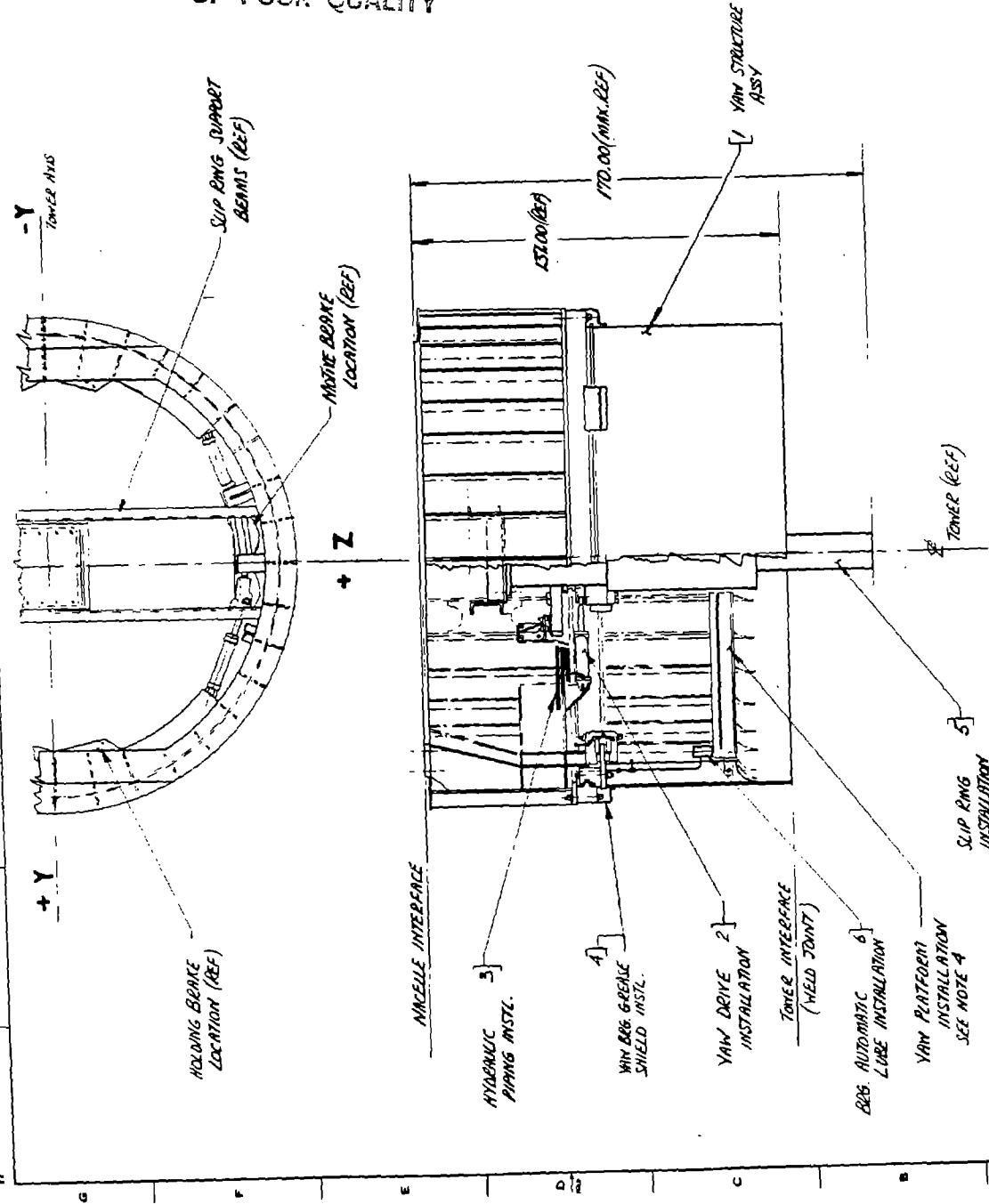


DETAIL OF ELEVATOR SUPPORT TOWER

PROJECT NO. 47E382592	
DATE 11/15/78	
DRAWN BY [Name]	
CHECKED BY [Name]	
APPROVED BY [Name]	
PERMITS DIVISION	
PROJECT NO. 47E382592	
DATE 11/15/78	
DRAWN BY [Name]	
CHECKED BY [Name]	
APPROVED BY [Name]	
PERMITS DIVISION	
PROJECT NO. 47E382592	
DATE 11/15/78	
DRAWN BY [Name]	
CHECKED BY [Name]	
APPROVED BY [Name]	
PERMITS DIVISION	

1	2	3	4	5	6	7	8	9	10
DATE	APPROV.	REVISION	DESCRIPTION	BY	DATE	APPROV.	REVISION	DESCRIPTION	BY

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GENERAL NOTES

1. DRAWING TERMS AND TOL. PER ANSI Y14.5
2. FOR INSTALLATION OF YAW SUBSYSTEM TO TOWER SEE GE DRAWING 47D382356
3. AFTER ASSEMBLY AND CHECK OUT OF YAW SUBSYSTEM - ASSEMBLY MAY BE SHIPPED AS ONE PIECE PROVIDING SLIP RING IS BRACED ON LOWER END AND PROTECTED DURING SHIPPING.
4. FOR INSTALLATION OF TOWER PLATFORMS HUNG FROM YAW SYSTEM SEE GE DNG. 47E382595

SEPARATE PARTS LIST & COVER SHEET IS

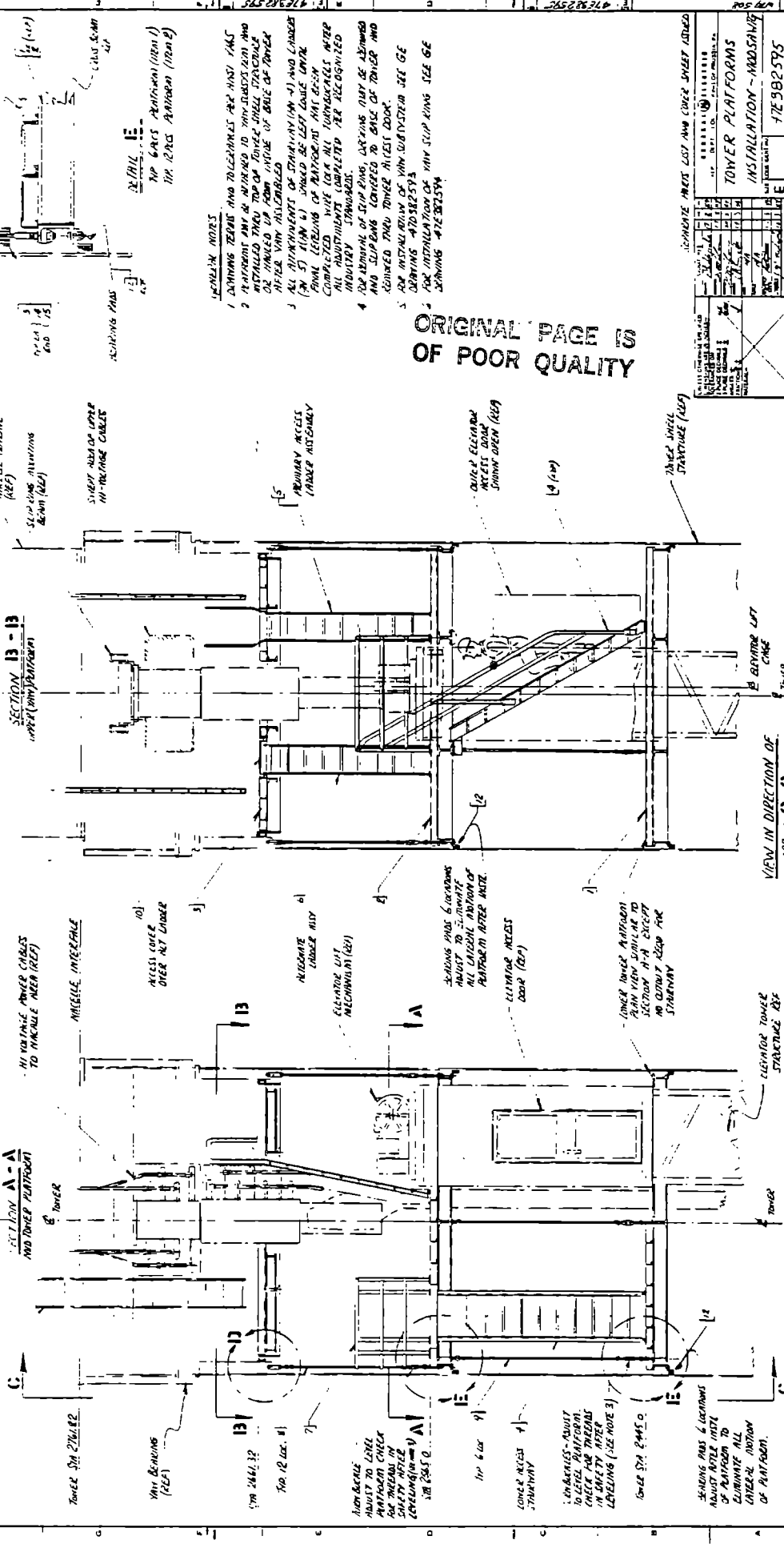
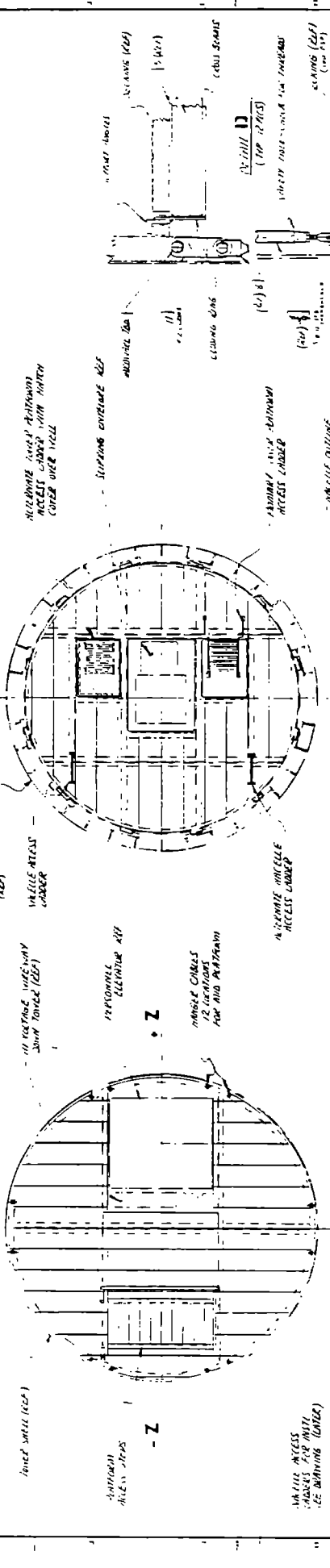
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GENERAL ELECTRIC
YAW SUBSYSTEM, RM.
MFG. - MOD. 5A

DATE DRAWN BY: []
SCALE: 1/2" = 1'-0"

47D382593

SHEET 2



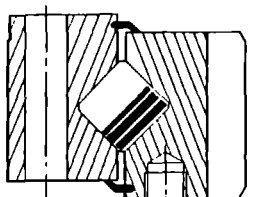
- INSTALLATION NOTES**
1. EXISTING TOWER AND TELEPHONE ARE NOT TO BE REMOVED AND TO REMAIN IN THE EXISTING POSITION AND TO BE INSTALLED TO THE TOP OF TOWER SHELL STRUCTURE AS SHOWN ON DRAWING. ALL DIMENSIONS OF STRUCTURE TO BE LEFT UNCHANGED FROM EXISTING CONDITION. ALL DIMENSIONS OF TOWER PLATFORM TO BE LEFT UNCHANGED FROM EXISTING CONDITION. ALL DIMENSIONS OF TOWER PLATFORM TO BE LEFT UNCHANGED FROM EXISTING CONDITION.
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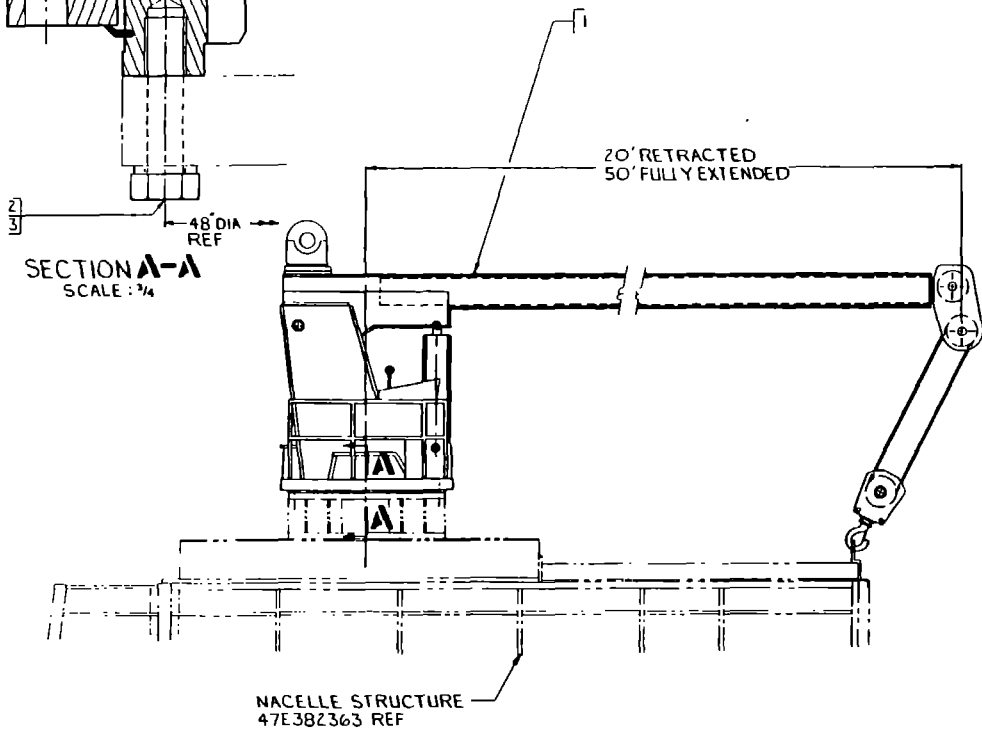
PROJECT NO.	712582375
DATE	1/13/54
DESIGNED BY	...
CHECKED BY	...
APPROVED BY	...
SCALE	...
TOWER PLATFORMS	INSULATION - BRASSING
PROJECT NO.	712582375
DATE	1/13/54

REV	DATE	APPROVED
1		
47D382596		
REVISION		
DATE		
APPROVED		

- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.5
 2. ON SITE TOUCH-UP PAINTING AS REQUIRED PER GE SPEC 47A38004B SECTION 5.
 3. TORQUE BOLTS PER GE SPEC. 47A380047 TABLE 1
 4. AUXILIARY CRANE INSTALLATION ON MOD 5A WTG IS AN OPTIONAL SYSTEM - SEE CUSTOMER REQUIREMENTS DOCUMENT.
 5. ESTIMATED WEIGHT OF CRANE SYSTEM ON PEDISTAL = 10,500 LBS
 6. CRANE (ITEM 1) TO CONFORM TO GE SPEC (LATER)



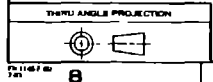
SECTION A-A
SCALE: 3/4



NACELLE STRUCTURE
47E382363 REF

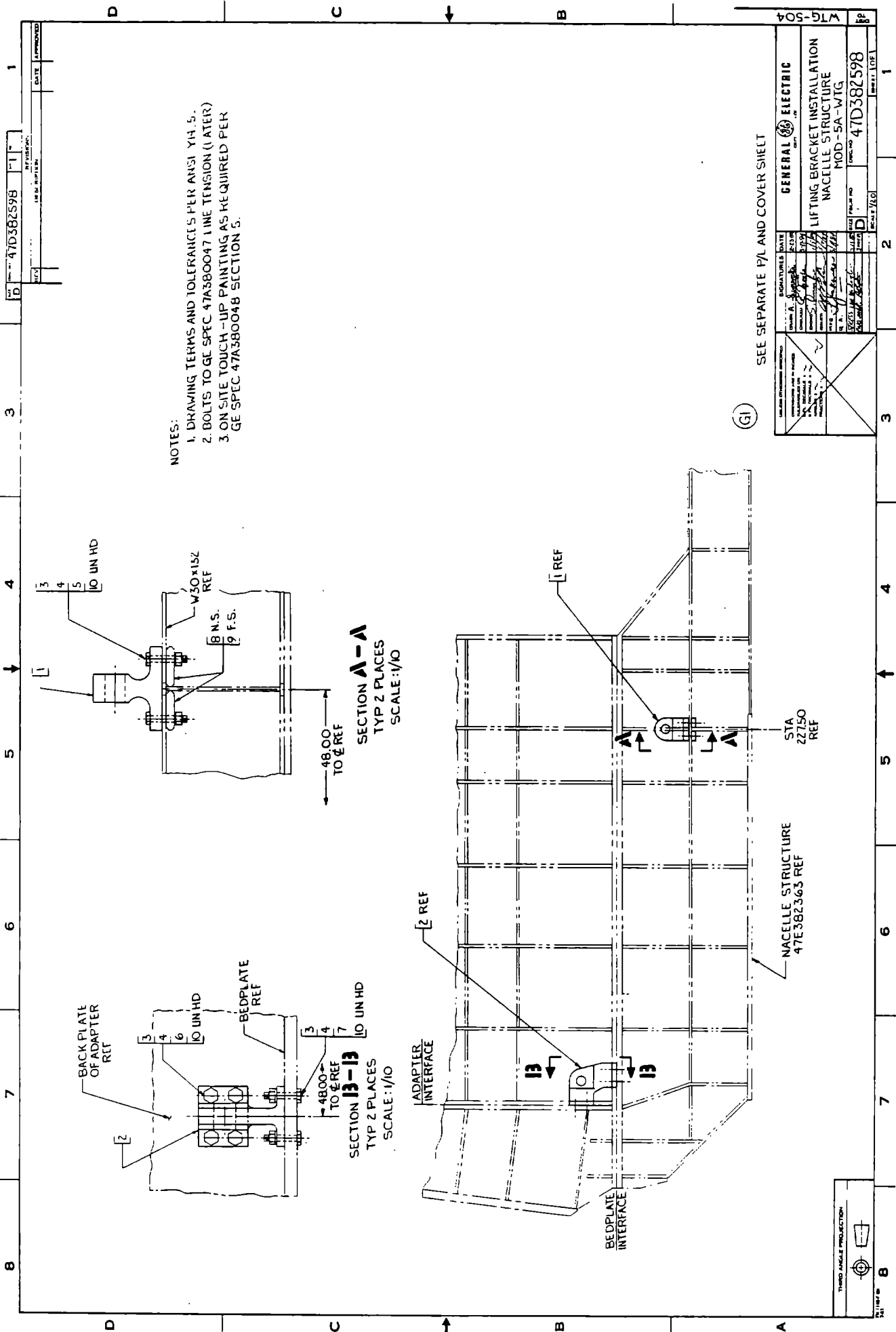
(G1)

SEE SEPARATE P/L AND COVER SHEET



GENERAL ELECTRIC N.E.P. AUXILIARY CRANE INSTALLATION MOD-5A-WTG		47D382596 SHEET 1 OF 1
SCALE: 1/2" = 1'-0" DATE: 11/15/03 DRAWN BY: [Signature] CHECKED BY: [Signature] APPROVED BY: [Signature]	SIGNATURES DATE 11/15/03 11/15/03 11/15/03	GENERAL ELECTRIC N.E.P. 47D382596 SHEET 1 OF 1

WTG-504



- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 2. BOLTS TO GE SPEC 47A380047 LINE TENSION (LATER).
 3. ON SITE TOUCH-UP PAINTING AS REQUIRED PER GE SPEC 47A380048 SECTION 5.

SECTION A-A
TYP 2 PLACES
SCALE: 1/10

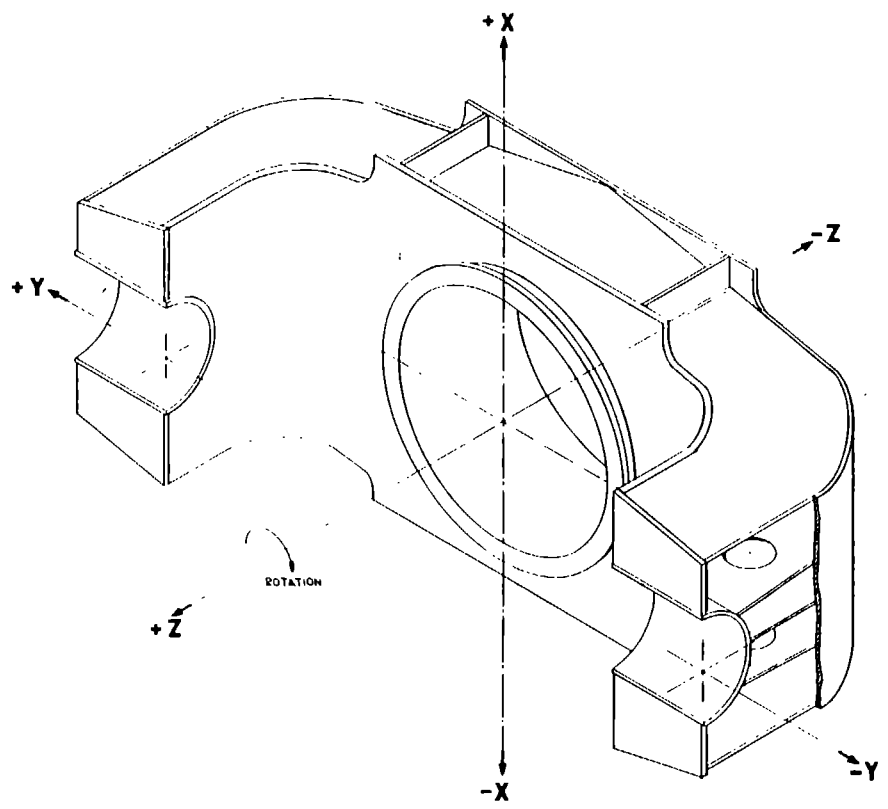
SECTION B-B
TYP 2 PLACES
SCALE: 1/10

SEE SEPARATE P/L AND COVER SHEET

REVISIONS NO. DATE BY 1 11/14/04 JLD 2 11/14/04 JLD 3 11/14/04 JLD 4 11/14/04 JLD 5 11/14/04 JLD 6 11/14/04 JLD 7 11/14/04 JLD 8 11/14/04 JLD 9 11/14/04 JLD 10 11/14/04 JLD 11 11/14/04 JLD 12 11/14/04 JLD 13 11/14/04 JLD 14 11/14/04 JLD 15 11/14/04 JLD 16 11/14/04 JLD 17 11/14/04 JLD 18 11/14/04 JLD 19 11/14/04 JLD 20 11/14/04 JLD 21 11/14/04 JLD 22 11/14/04 JLD 23 11/14/04 JLD 24 11/14/04 JLD 25 11/14/04 JLD 26 11/14/04 JLD 27 11/14/04 JLD 28 11/14/04 JLD 29 11/14/04 JLD 30 11/14/04 JLD 31 11/14/04 JLD 32 11/14/04 JLD 33 11/14/04 JLD 34 11/14/04 JLD 35 11/14/04 JLD 36 11/14/04 JLD 37 11/14/04 JLD 38 11/14/04 JLD 39 11/14/04 JLD 40 11/14/04 JLD 41 11/14/04 JLD 42 11/14/04 JLD 43 11/14/04 JLD 44 11/14/04 JLD 45 11/14/04 JLD 46 11/14/04 JLD 47 11/14/04 JLD 48 11/14/04 JLD 49 11/14/04 JLD 50 11/14/04 JLD 51 11/14/04 JLD 52 11/14/04 JLD 53 11/14/04 JLD 54 11/14/04 JLD 55 11/14/04 JLD 56 11/14/04 JLD 57 11/14/04 JLD 58 11/14/04 JLD 59 11/14/04 JLD 60 11/14/04 JLD 61 11/14/04 JLD 62 11/14/04 JLD 63 11/14/04 JLD 64 11/14/04 JLD 65 11/14/04 JLD 66 11/14/04 JLD 67 11/14/04 JLD 68 11/14/04 JLD 69 11/14/04 JLD 70 11/14/04 JLD 71 11/14/04 JLD 72 11/14/04 JLD 73 11/14/04 JLD 74 11/14/04 JLD 75 11/14/04 JLD 76 11/14/04 JLD 77 11/14/04 JLD 78 11/14/04 JLD 79 11/14/04 JLD 80 11/14/04 JLD 81 11/14/04 JLD 82 11/14/04 JLD 83 11/14/04 JLD 84 11/14/04 JLD 85 11/14/04 JLD 86 11/14/04 JLD 87 11/14/04 JLD 88 11/14/04 JLD 89 11/14/04 JLD 90 11/14/04 JLD 91 11/14/04 JLD 92 11/14/04 JLD 93 11/14/04 JLD 94 11/14/04 JLD 95 11/14/04 JLD 96 11/14/04 JLD 97 11/14/04 JLD 98 11/14/04 JLD 99 11/14/04 JLD 100 11/14/04 JLD	PROJECT NO 47D382598	SHEET NO 1
	GENERAL ELECTRIC LIFTING BRACKET INSTALLATION NACELLE STRUCTURE MOD-5A-WTG	
PROJECT TITLE 47D382598		SHEET TOTAL 1



MATERIAL LIST			
ITEM	DESCRIPTION	THICKNESS	QTY
1	CENTER HUB	3/16 SAE 5140	1
2	SIDE PLATE - INNER	1.00	2
3	TOP COVER	2.00	2
4	TOP COVER	2.00	2
5	SIDE PLATE - OUTER	1.50	2
6	BEARING RING	3.00	2
7	INTERNAL SPAR	1.50	2
8	INTERNAL SPAR	1.50	2
9	END CAP	5.00	4
10	CENTER RIB	1.50	2
11	RIB INNER	1.50	2
12	RIB OUTER	1.50	4

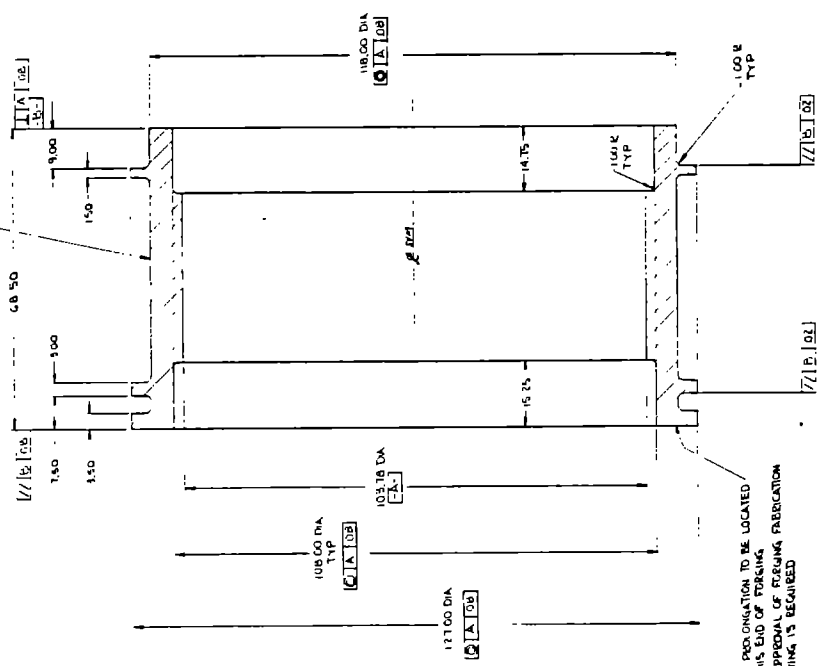


- NOTES:
- DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 - TOLERANCES, UNLESS OTHERWISE NOTED:
 UP TO 12.00 : ±.05
 12.01 TO 25.00 : ±.06
 25.01 TO 50.00 : ±.09
 50.01 TO 100.00 : ±.12
 100.01 TO 200.00 : ±.16
 200.01 TO ABOVE : ±.25
 - ALL WELDING SURFACE PREPARATION AND INSPECTION PER GE SPEC 47A380054. ALL EDGE PREPARATION TO BE AS SHOWN UNLESS OTHERWISE APPROVED BY GE. ALL WELDS TO BE FULL PENETRATION.
 - COPE CORNERS OF INTERSECTING PLATES TO CLEAR WELD BEADS AS SHOWN. COPING PLAN TO BE APPROVED BY GE.
 - BUTT-SPICES WITHIN INDIVIDUAL MEMBERS ARE PERMITTED ONLY WITH FULL PENETRATION WELDS GROUND FLUSH ON BOTH SIDES. LOCATIONS TO BE APPROVED BY G.E. SEE WPM 12.
 - EDGES OF ALL CUTOUTS TO BE GROUND FLUSH IN DIRECTION OF CIRCUMFERENCE TO A \sqrt{R} FINISH. BEVEL EDGES OF ALL CUTOUTS 12.445.
 - POST WELD HEAT TREAT ENTIRE STRUCTURE AFTER WELDING AND PRIOR TO MACHINING PER GE SPEC 47A380054 SECTION 4.1.7. HEAT TREATMENT METHOD USED MUST BE APPROVED BY GE. WELDS TO BE INSPECTED AFTER HEAT TREATMENT PER GE SPEC 47A380054.
 - DEGREASE, CLEAN AND PRIME PER GE SPEC 47A380048.
 - GE APPROVAL OF SUPPLIER'S MANUFACTURING DRAWINGS IS REQUIRED PRIOR TO FABRICATION.
 - FOR FINAL MACHINING SEE GE DRAWING 47E382602
 - MAT'L (P1) ITEM 1 ASTM A508 CL 2 PER GE SPEC 47A380042, SECTION 1.2.2.
 ITEM 2 THRU ITEM 12 ASTM A633 GR C PER GE SPEC 47A380042, SECTION 1.1.7.
 (P2) ALL ITEMS - ASTM (LATER)
 - ITEMS 1 THRU 6 MAY NOT BE COPED AT WELD INTERSECTIONS. INVOKE 1/8" CIRCLE COPING ON ITEMS 7 THRU 12 AT WELD INTERSECTIONS SEE DETAIL 'B'.
 - MARK 'GE 47E382600P' USING PAINT OF CONTRASTING COLOR.

(P1) FOR OPERATING TEMPERATURE ABOVE +40F
 (P2) FOR OPERATING TEMPERATURE ABOVE -20F

PART NUMBER 47E382600 REV. 1 DATE 11/12/88 BY [Signature] CHECKED [Signature]	SEE NOTE 11	MATERIALS [Table with columns for item, description, quantity, etc.]	GENERAL INFORMATION YOKE STRUCTURE, WELDMENT MOD. NO. 1118 47E382600
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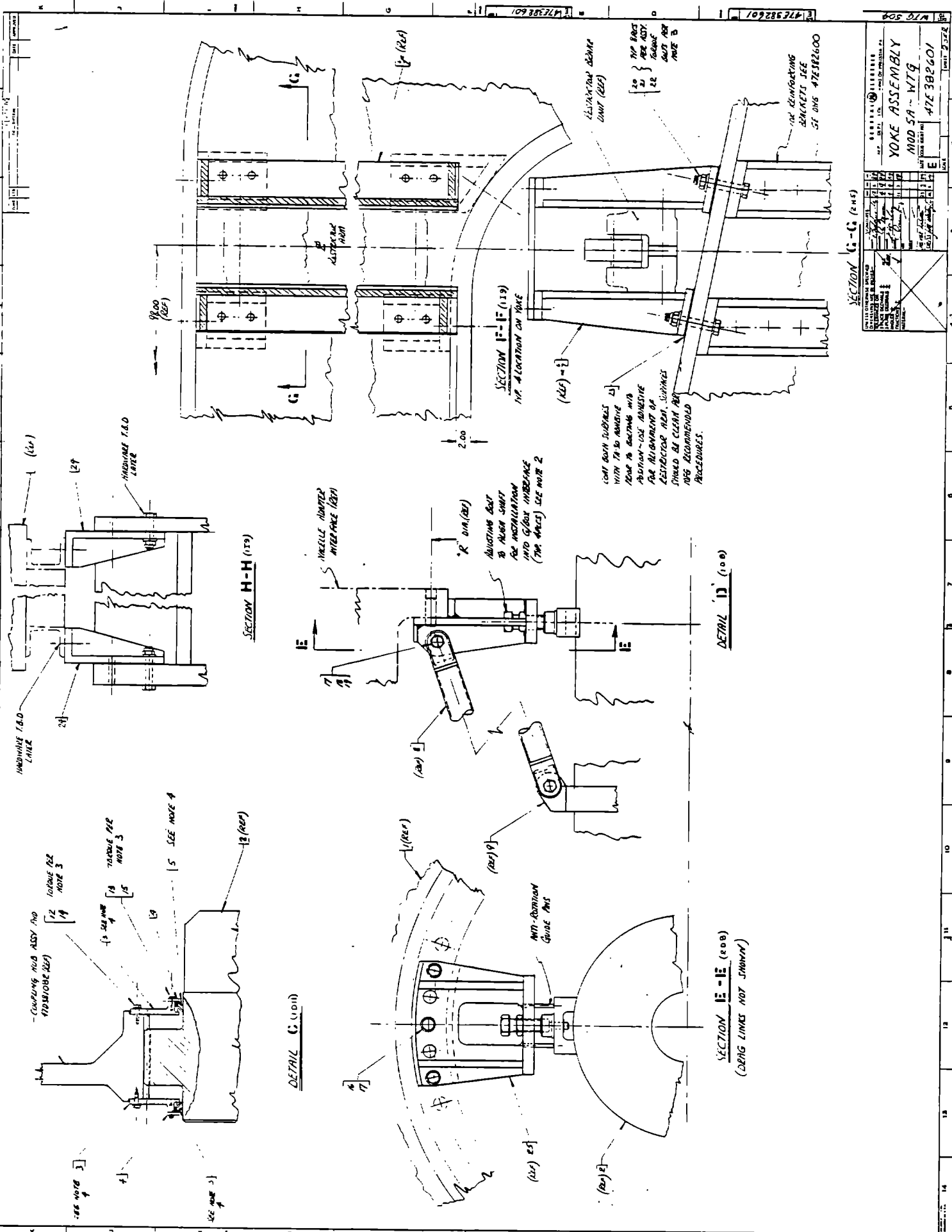
AFTER WASH MACHINING, INSPELT O.D.
PER GE SPEC 41A3800Z SECTION 1.2.2 ZONE B



ITEM 1 - CENTER HUB
ROUGH TURNED FORGING
MATERIAL: ASTM 50B CL 2 PER GE SPEC
41A3800Z SECTION 1.2.2 (RSP)

GENERAL & SPECIAL INSTRUCTIONS 1. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE B 2. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE C 3. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE D 4. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE E 5. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE F 6. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE G 7. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE H 8. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE I 9. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE J 10. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE K 11. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE L 12. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE M 13. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE N 14. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE O 15. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE P 16. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE Q 17. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE R 18. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE S 19. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE T 20. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE U 21. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE V 22. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE W 23. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE X 24. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE Y 25. SEE DRAWING 41A3800Z SECTION 1.2.2 ZONE Z		YOKO STRUCTURE, WELDING WOOD-DAVID 41E382600
--	--	---

SEE SHEET 1



SECTION H-H (119)

SECTION G-G (119)
TOP LOCATION ON YOKE

DETAIL D (100)

DETAIL C-0011

SECTION E-E (100)
(DASH LINES NOT SHOWN)

SECTION G-G (ENG)

REVISIONS		DATE	
NO.	DESCRIPTION	BY	DATE
1	ISSUED FOR FABRICATION		
2	ISSUED FOR FABRICATION		
3	ISSUED FOR FABRICATION		
4	ISSUED FOR FABRICATION		
5	ISSUED FOR FABRICATION		
6	ISSUED FOR FABRICATION		
7	ISSUED FOR FABRICATION		
8	ISSUED FOR FABRICATION		
9	ISSUED FOR FABRICATION		
10	ISSUED FOR FABRICATION		
11	ISSUED FOR FABRICATION		
12	ISSUED FOR FABRICATION		
13	ISSUED FOR FABRICATION		
14	ISSUED FOR FABRICATION		
15	ISSUED FOR FABRICATION		
16	ISSUED FOR FABRICATION		
17	ISSUED FOR FABRICATION		
18	ISSUED FOR FABRICATION		
19	ISSUED FOR FABRICATION		
20	ISSUED FOR FABRICATION		

W19 509
 47E38260
 YOKES ASSEMBLY
 MOD 5A WTG
 47E38260

10 } TOP FACE
 21 } ARE ADY
 22 } TOLERANCE
 23 } SEE NOTE 2
 24 }

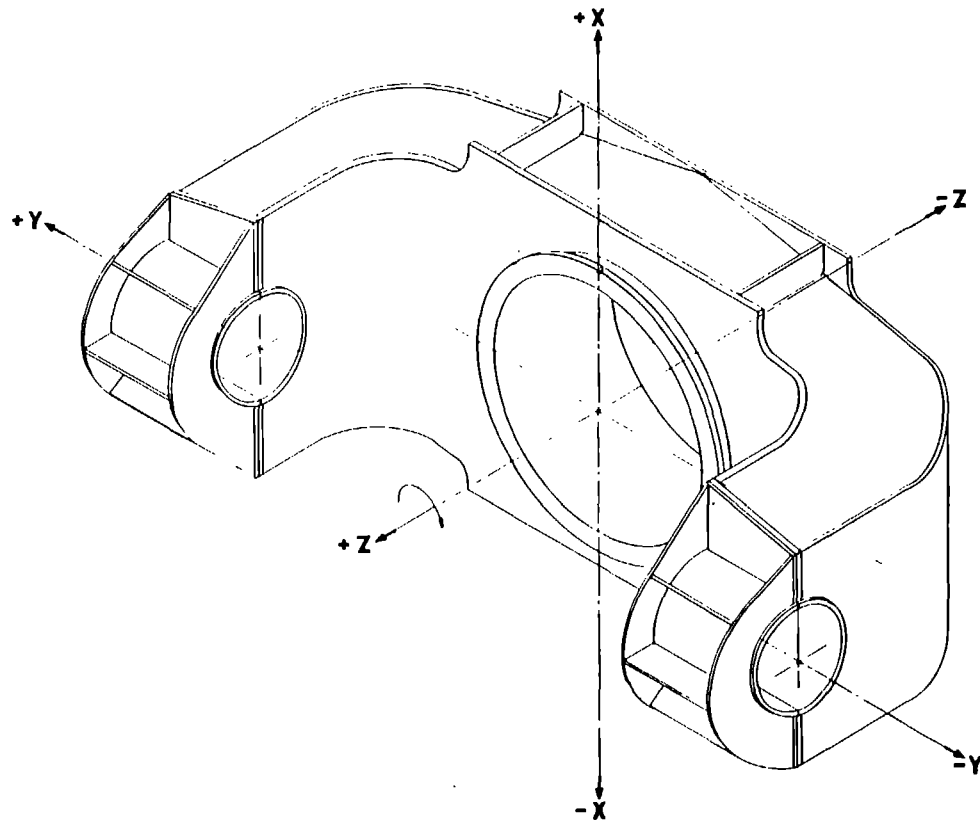
OR CONSULTING
 BRACKETS SEE
 SF DWG 47E38260

- COUPLING HOUS ASSY AND
 HYDRAULIC HOUSING
 SEE NOTE 3
 12 TORQUE PER
 NOTE 3
 14
 13 SEE NOTE 4
 15 TORQUE PER
 NOTE 3
 16
 17
 18
 19
 20
 21
 22
 23
 24
 HANDING T.B.D. LAYER
 HANDING T.B.D. LAYER
 9.00 (REF)
 2.00
 10.00 (REF)
 11.00 (REF)

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NOTES:

1. DRAWING TERMS & TOLERANCES PER ANSI Y14.5.
2. FINISH: PAINT PER GE SPEC 47A380048 - S1CT 4.3 + 2.0. MACHINE SURFACES ARE TO BE SANDBLASTED AFTER MACHINING PER SSPC-SP6-63 OR SSPC-SP10-63T.
3. APPLY COATING TO MACHINED SURFACES PER GE SPEC 47A380048 PARA 4.2.
4. BEARING BORES TO BE MATCH GRIND TO 0.02 - 0.07 INTERFERENCE FIT WITH MEASURED O.D OF BEARINGS 47C381000PI (47D381000PI).
5. AFTER MACHINING, INSPECT ID PER SPEC 47A186002 SECT 1.2.2.2 ZONE B.
6. TORQUE REQUIREMENTS
 - A. TIGHTEN BOLTS 1/2 TURN BEYOND FINNER TIGHT DO NOT FINAL TORQUE AT THIS TIME.
 - B. TORQUE BOLTS PER GE SPEC 47A380047 LINE 14.
7. MARK GE 47E382602G1 WITH PAINT OF A CONTRASTING COLOR.
8. EST WT: YOKE 170,000 LBS
Bolt CAPS 22,000 LBS
9. USE GROUTING ITEM 11 TO FILL IN OPENING AFTER ALIGNMENT OF BRACKETS. SURFACE SHOULD BE CLEAN PER MFG RECOMMENDED PROCEDURES.
10. BEARING SEATS TO BE PLASMA SPRAYED WITH A COATING OF COPPER-NICKEL-INDIUM TO A THICKNESS OF .0025. GRIND TO FINISHED DIMENSIONS AFTER SPRAYING.
11. TEMPORARY ASSEMBLE YOKE CAPS (ITEM 2) WITH HARDWARE AS NOTED AND MACHINE BORES & FACE OFF ENDS AS NOTED WITH RESPECT TO YOKE ASSEMBLY. AFTER MACHINING REMOVE CAPS (ITEM 2) AND RE-IDENTIFY AS GE 47E382602PI¹ WITH PAINT OF CONTRASTING COLOR.

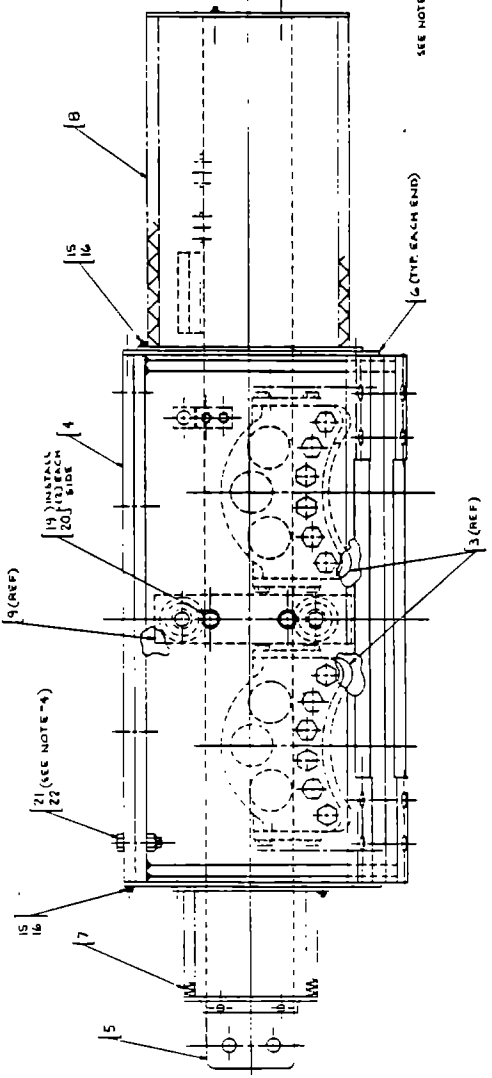
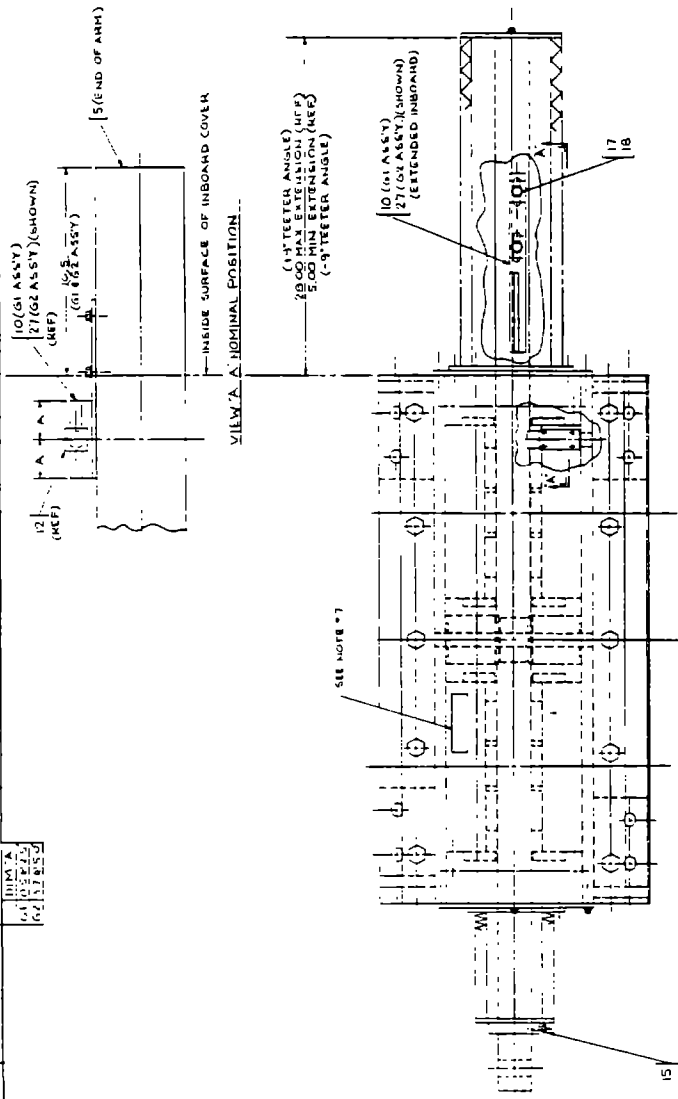
(G1)

SEE SEPARATE P/L AND COVER SHEET.

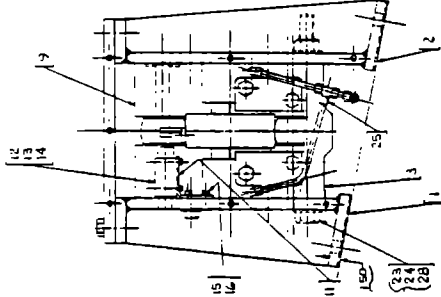
REV	DATE	BY	CHKD	APP'D	DESCRIPTION
1	10/11/01	J. S. WILSON	J. S. WILSON	J. S. WILSON	ISSUED FOR MACHINING
2	10/11/01	J. S. WILSON	J. S. WILSON	J. S. WILSON	REVISION
3	10/11/01	J. S. WILSON	J. S. WILSON	J. S. WILSON	REVISION
4	10/11/01	J. S. WILSON	J. S. WILSON	J. S. WILSON	REVISION
5	10/11/01	J. S. WILSON	J. S. WILSON	J. S. WILSON	REVISION
6	10/11/01	J. S. WILSON	J. S. WILSON	J. S. WILSON	REVISION
7	10/11/01	J. S. WILSON	J. S. WILSON	J. S. WILSON	REVISION
8	10/11/01	J. S. WILSON	J. S. WILSON	J. S. WILSON	REVISION
9	10/11/01	J. S. WILSON	J. S. WILSON	J. S. WILSON	REVISION
10	10/11/01	J. S. WILSON	J. S. WILSON	J. S. WILSON	REVISION

GENERAL ELECTRIC	
YOKE STRUCTURE, MACHINING & DRILLING	
1000 SA-1015	
47E382602	

**ORIGINAL PAGE IS
OF POOR QUALITY**



END COVER (ITEM 23) (REF) (ITEM 24)
NOT SHOWN IN THIS VIEW



10 (G1 ASSY)
(REF)

12 (REF)

15

17

18

21 (SEE NOTE *4)

INSIDE SURFACE OF INBOARD COVER

VIEW "A" - NOMINAL POSITION

1.18 TEETER ANGLE

2.000 MAX EXTENSION (REF)

5.000 MIN EXTENSION (REF)

10 (G1 ASSY)
(REF)

17 (G1 ASSY)
(EXTENDED INBOARD)

18 (G1 ASSY)
(EXTENDED INBOARD)

19 (G1 ASSY)
(EXTENDED INBOARD)

20 (G1 ASSY)
(EXTENDED INBOARD)

21 (G1 ASSY)
(EXTENDED INBOARD)

22 (G1 ASSY)
(EXTENDED INBOARD)

23 (G1 ASSY)
(EXTENDED INBOARD)

24 (G1 ASSY)
(EXTENDED INBOARD)

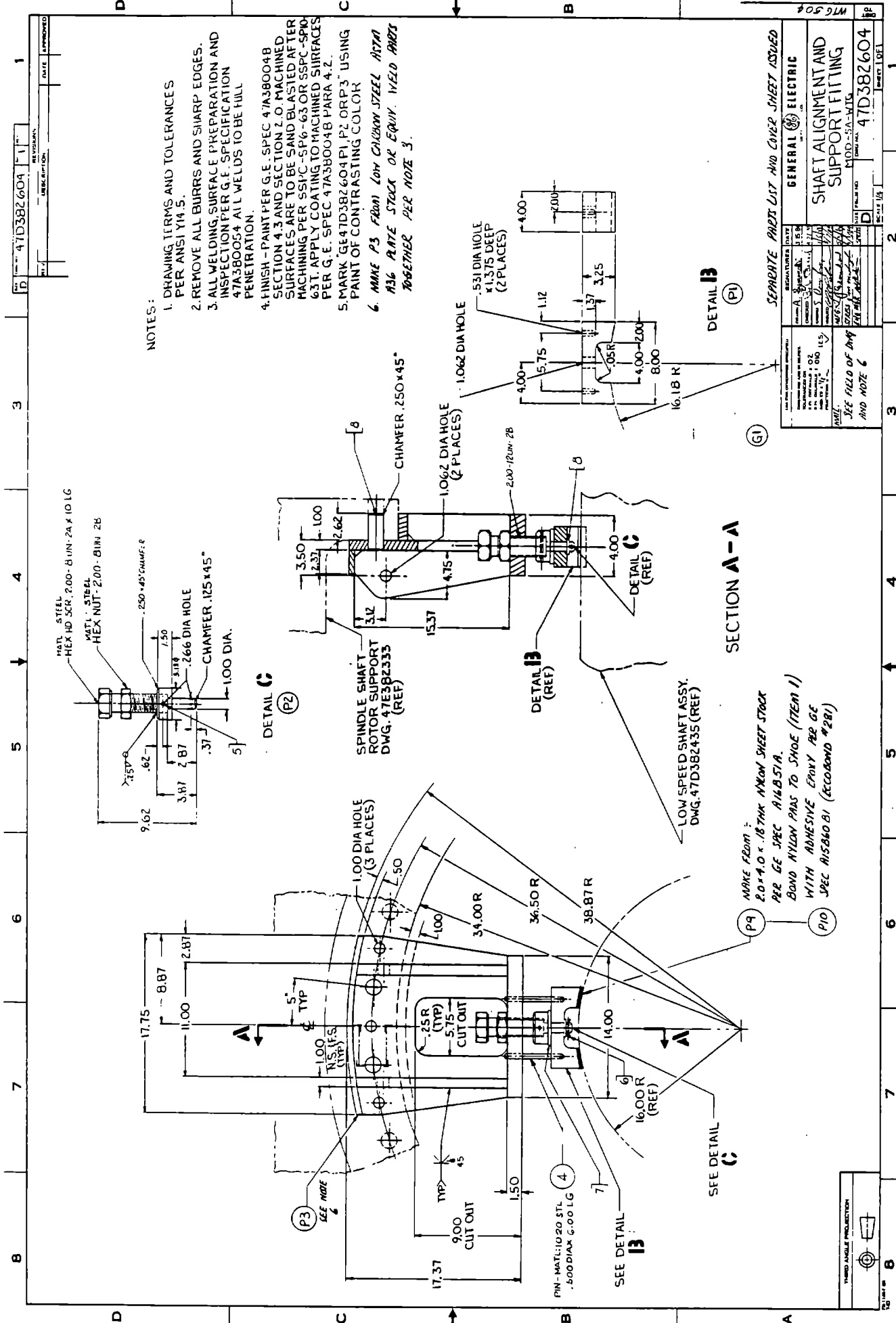
26 (G1 ASSY)
(EXTENDED INBOARD)

END COVER (ITEM 23) (REF) (ITEM 24)
NOT SHOWN IN THIS VIEW

1. INSTALL ITEM 1 TO ALL REMAINING PARTS TO BE SPECIFIED IN THIS DRAWING. PARTS TO BE SPECIFIED IN THIS DRAWING ARE: ITEM 1, ITEM 2, ITEM 3, ITEM 4, ITEM 5, ITEM 6, ITEM 7, ITEM 8, ITEM 9, ITEM 10, ITEM 11, ITEM 12, ITEM 13, ITEM 14, ITEM 15, ITEM 16, ITEM 17, ITEM 18, ITEM 19, ITEM 20, ITEM 21, ITEM 22, ITEM 23, ITEM 24, ITEM 25, ITEM 26, ITEM 27, ITEM 28, ITEM 29, ITEM 30, ITEM 31, ITEM 32, ITEM 33, ITEM 34, ITEM 35, ITEM 36, ITEM 37, ITEM 38, ITEM 39, ITEM 40, ITEM 41, ITEM 42, ITEM 43, ITEM 44, ITEM 45, ITEM 46, ITEM 47, ITEM 48, ITEM 49, ITEM 50, ITEM 51, ITEM 52, ITEM 53, ITEM 54, ITEM 55, ITEM 56, ITEM 57, ITEM 58, ITEM 59, ITEM 60, ITEM 61, ITEM 62, ITEM 63, ITEM 64, ITEM 65, ITEM 66, ITEM 67, ITEM 68, ITEM 69, ITEM 70, ITEM 71, ITEM 72, ITEM 73, ITEM 74, ITEM 75, ITEM 76, ITEM 77, ITEM 78, ITEM 79, ITEM 80, ITEM 81, ITEM 82, ITEM 83, ITEM 84, ITEM 85, ITEM 86, ITEM 87, ITEM 88, ITEM 89, ITEM 90, ITEM 91, ITEM 92, ITEM 93, ITEM 94, ITEM 95, ITEM 96, ITEM 97, ITEM 98, ITEM 99, ITEM 100.

REV	DATE	BY	CHKD	APP'D
1	10/1/52	J. W. H.	J. W. H.	J. W. H.
2	10/1/52	J. W. H.	J. W. H.	J. W. H.
3	10/1/52	J. W. H.	J. W. H.	J. W. H.
4	10/1/52	J. W. H.	J. W. H.	J. W. H.
5	10/1/52	J. W. H.	J. W. H.	J. W. H.
6	10/1/52	J. W. H.	J. W. H.	J. W. H.
7	10/1/52	J. W. H.	J. W. H.	J. W. H.
8	10/1/52	J. W. H.	J. W. H.	J. W. H.
9	10/1/52	J. W. H.	J. W. H.	J. W. H.
10	10/1/52	J. W. H.	J. W. H.	J. W. H.

47E3B2603



NOTES:

1. DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
2. REMOVE ALL BURRS AND SHARP EDGES.
3. ALL WELDING SURFACE PREPARATION AND INSPECTION PER G.E. SPECIFICATION 47A380054 ALL WELDS TO BE FULL PENETRATION.
4. FINISH - PAINT PER G.E. SPEC 47A380048 SECTION 4.3 AND SECTION 2.0. MACHINED SURFACES ARE TO BE SAND BLASTED AFTER MACHINING PER SSFC-SP6-63 OR SSFC-SPD-63T. APPLY COATING TO MACHINED SURFACES PER G.E. SPEC 47A380048 PARA 4.2.
5. MARK GE47D382604P1 P2 OR P3 USING PAINT OF CONTRASTING COLOR
6. MAKE P3 FROM LOW CARBON STEEL A136 RAYE STOCK OR EQUIV. WELD PARTS TOGETHER PER NOTE 3.

47D382604	REVISED	DATE	APPROVED
	DESCRIPTION		

GENERAL ELECTRIC	
SHAFT ALIGNMENT AND SUPPORT FITTING	
MOD. 5A-WTS	47D382604
DATE	REV. 1/15
DESIGNED BY	DRW. BY
CHECKED BY	DATE
SEE FIELD OF DWG AND NOTE 6	

SECTION A-A

NOTE FROM:
 2.0 x 1.0 x .18 THK NYLON SHEET STOCK PER GE SPEC A118.57A.
 BOND NYLON PANS TO SHOE (ITEM 1) WITH ADHESIVE EPOXY PER GE SPEC A158A01 (SECOND BOND #2R)

LOW SPEED SHAFT ASSY.
 DWG. 47D382435 (REF)

SEE DETAIL B

SEE DETAIL C

PIN - MAT: 10 STL
 .500 DIA X 6.00 LG

SEE NOTE 6

P9

P10

G1

DETAIL B (P1)

DETAIL B (REF)

DETAIL C (REF)

DETAIL C (P2)

SPINDLE SHAFT ROTOR SUPPORT DWG. 47E382333 (REF)

1.00 DIA HOLE (3 PLACES)

1.00 DIA HOLE (2 PLACES)

1.062 DIA HOLE

5.31 DIA HOLE

1.1375 DEEP (2 PLACES)

4.00

2.00

1.12

1.37

3.25

4.00-2.00

4.00

8.00

16.18 R

4.75

15.37

3.50

2.37

2.62

1.00

1.00

3.12

1.00 DIA HOLE

CHAMFER .125 x 45°

1.00 DIA.

.37

51

3.87

2.87

.62

2.57

9.62

7.50

.250 x 45° CHAMFER

1.50

1.00 DIA HOLE

2.66 DIA HOLE

1.00 LG

2.00 x .18 THK NYLON SHEET STOCK

2.00 x .18 THK NYLON SHEET STOCK

MATL - STEEL

HEX HD SCR. 2.00 - 8 UNF. 2A x 10 LG

MATL - STEEL

HEX NUT - 2.00 - 8 UNF. 2B

CHAMFER .250 x 45°

1.00 LG

2.00 x .18 THK NYLON SHEET STOCK

2.00 x .18 THK NYLON SHEET STOCK PER GE SPEC A118.57A.

BOND NYLON PANS TO SHOE (ITEM 1)

WITH ADHESIVE EPOXY PER GE SPEC A158A01 (SECOND BOND #2R)

LOW SPEED SHAFT ASSY. DWG. 47D382435 (REF)

SEE DETAIL B

SEE DETAIL C

PIN - MAT: 10 STL .500 DIA X 6.00 LG

4

7

16.00 R (REF)

14.00

1.50

9.00 CUT OUT

17.37

1.00 N.S. (TYP)

5.75 CUT OUT

2.5 R (TYP)

5.75 CUT OUT

1.00 DIA HOLE (3 PLACES)

1.00 DIA HOLE (2 PLACES)

1.062 DIA HOLE

5.31 DIA HOLE

1.1375 DEEP (2 PLACES)

4.00

2.00

1.12

1.37

3.25

4.00-2.00

4.00

8.00

16.18 R

4.75

15.37

3.50

2.37

2.62

1.00

1.00

3.12

1.00 DIA HOLE

CHAMFER .125 x 45°

1.00 DIA.

.37

51

3.87

2.87

.62

2.57

9.62

7.50

.250 x 45° CHAMFER

1.50

1.00 DIA HOLE

2.66 DIA HOLE

1.00 LG

2.00 x .18 THK NYLON SHEET STOCK

2.00 x .18 THK NYLON SHEET STOCK PER GE SPEC A118.57A.

BOND NYLON PANS TO SHOE (ITEM 1)

WITH ADHESIVE EPOXY PER GE SPEC A158A01 (SECOND BOND #2R)

LOW SPEED SHAFT ASSY. DWG. 47D382435 (REF)

SEE DETAIL B

SEE DETAIL C

PIN - MAT: 10 STL .500 DIA X 6.00 LG

4

7

16.00 R (REF)

14.00

1.50

9.00 CUT OUT

17.37

1.00 N.S. (TYP)

5.75 CUT OUT

2.5 R (TYP)

5.75 CUT OUT

1.00 DIA HOLE (3 PLACES)

1.00 DIA HOLE (2 PLACES)

1.062 DIA HOLE

5.31 DIA HOLE

1.1375 DEEP (2 PLACES)

4.00

2.00

1.12

1.37

3.25

4.00-2.00

4.00

8.00

16.18 R

4.75

15.37

3.50

2.37

2.62

1.00

1.00

3.12

1.00 DIA HOLE

CHAMFER .125 x 45°

1.00 DIA.

.37

51

3.87

2.87

.62

2.57

9.62

7.50

.250 x 45° CHAMFER

1.50

1.00 DIA HOLE

2.66 DIA HOLE

1.00 LG

2.00 x .18 THK NYLON SHEET STOCK

2.00 x .18 THK NYLON SHEET STOCK PER GE SPEC A118.57A.

BOND NYLON PANS TO SHOE (ITEM 1)

WITH ADHESIVE EPOXY PER GE SPEC A158A01 (SECOND BOND #2R)

LOW SPEED SHAFT ASSY. DWG. 47D382435 (REF)

SEE DETAIL B

SEE DETAIL C

PIN - MAT: 10 STL .500 DIA X 6.00 LG

4

7

16.00 R (REF)

14.00

1.50

9.00 CUT OUT

17.37

1.00 N.S. (TYP)

5.75 CUT OUT

2.5 R (TYP)

5.75 CUT OUT

1.00 DIA HOLE (3 PLACES)

1.00 DIA HOLE (2 PLACES)

1.062 DIA HOLE

5.31 DIA HOLE

1.1375 DEEP (2 PLACES)

4.00

2.00

1.12

1.37

3.25

4.00-2.00

4.00

8.00

16.18 R

4.75

15.37

3.50

2.37

2.62

1.00

1.00

3.12

1.00 DIA HOLE

CHAMFER .125 x 45°

1.00 DIA.

.37

51

3.87

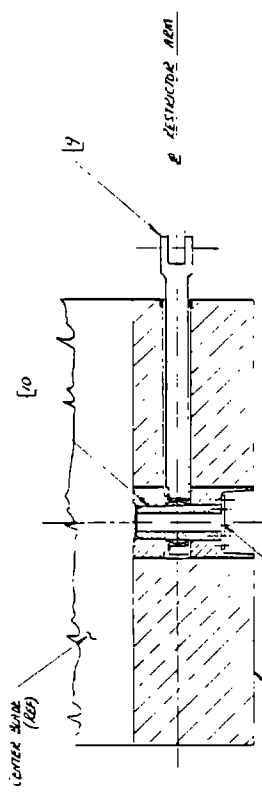
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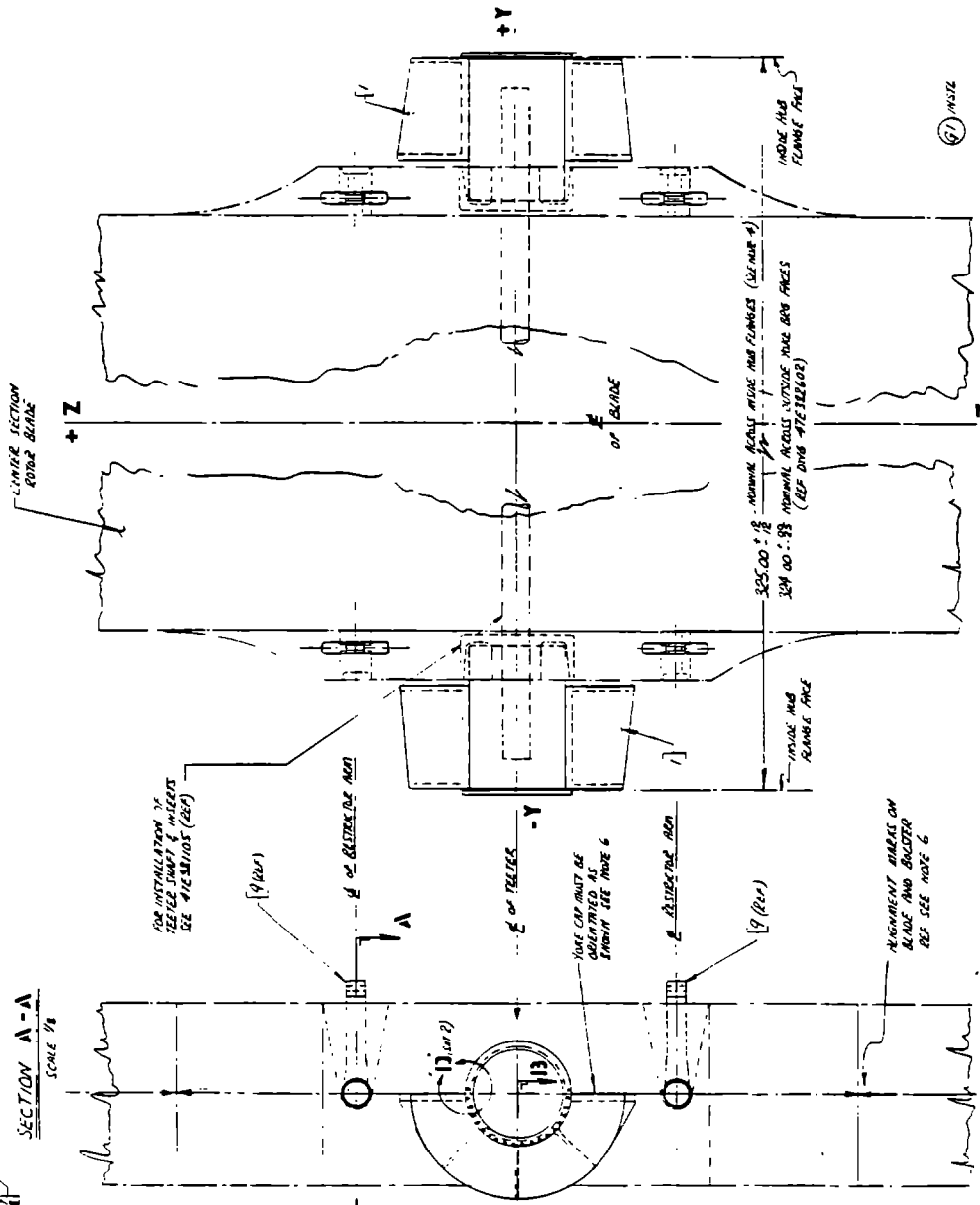
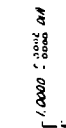
2.57

GENERAL NOTES

1. FINISHING FLOOR AND FOUNDATION SHALL BE AS SHOWN. ALL DIMENSIONS AND PLACEMENTS ARE APPROXIMATE. THE INSTALLATION OF THE BLADE SHALL BE AS SHOWN. THE INSTALLATION OF THE BLADE SHALL BE AS SHOWN. THE INSTALLATION OF THE BLADE SHALL BE AS SHOWN.
2. THE INSTALLATION OF THE BLADE SHALL BE AS SHOWN. THE INSTALLATION OF THE BLADE SHALL BE AS SHOWN. THE INSTALLATION OF THE BLADE SHALL BE AS SHOWN.
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6. THE INSTALLATION OF THE BLADE SHALL BE AS SHOWN. THE INSTALLATION OF THE BLADE SHALL BE AS SHOWN. THE INSTALLATION OF THE BLADE SHALL BE AS SHOWN.



10 x 10 CHANNEL (TOP FLANGE)

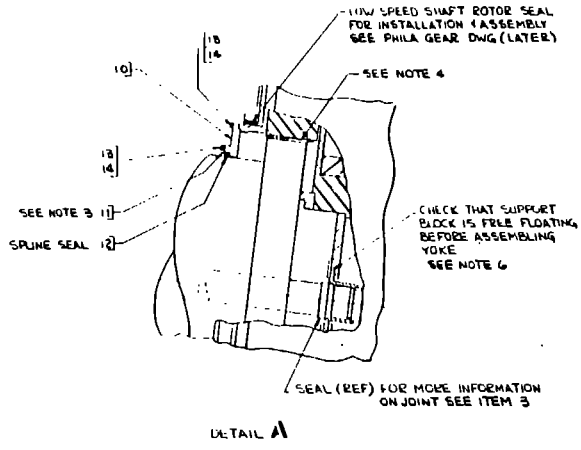


1/8" INSTEAD

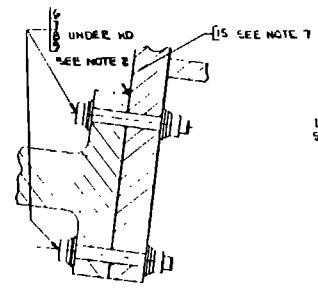
PERIPHERAL VIEW OF BLADE SCALE 1/8"

CROSSWISE VIEW OF BLADE SCALE 1/8"

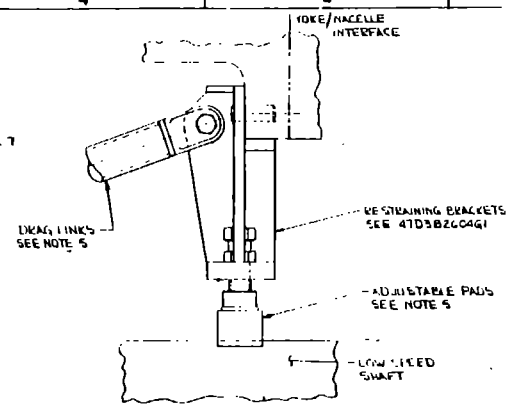
SEE SEPARATE VIL AND COVER SHEET	
DATE	BY
APPROVED	DESIGNED
PROJECT	NO.
TELETER BEARING & RESISTOR FROM INSTL	
47E-3A2605	



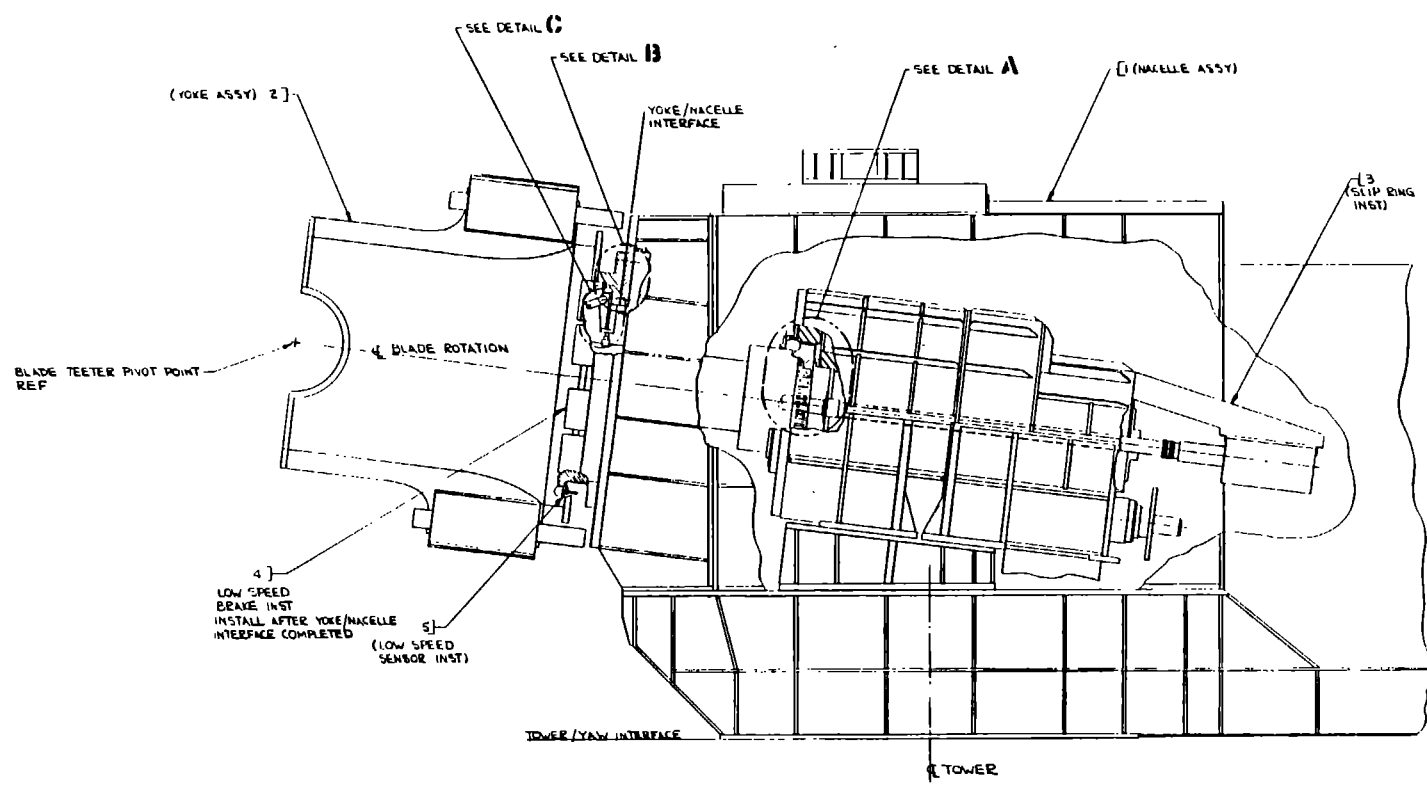
DETAIL A



DETAIL B



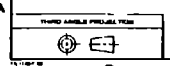
DETAIL C
SHOWING RESTRAINING BRACKETS AROUND LOW SPEED SHAFT 4 PLACES



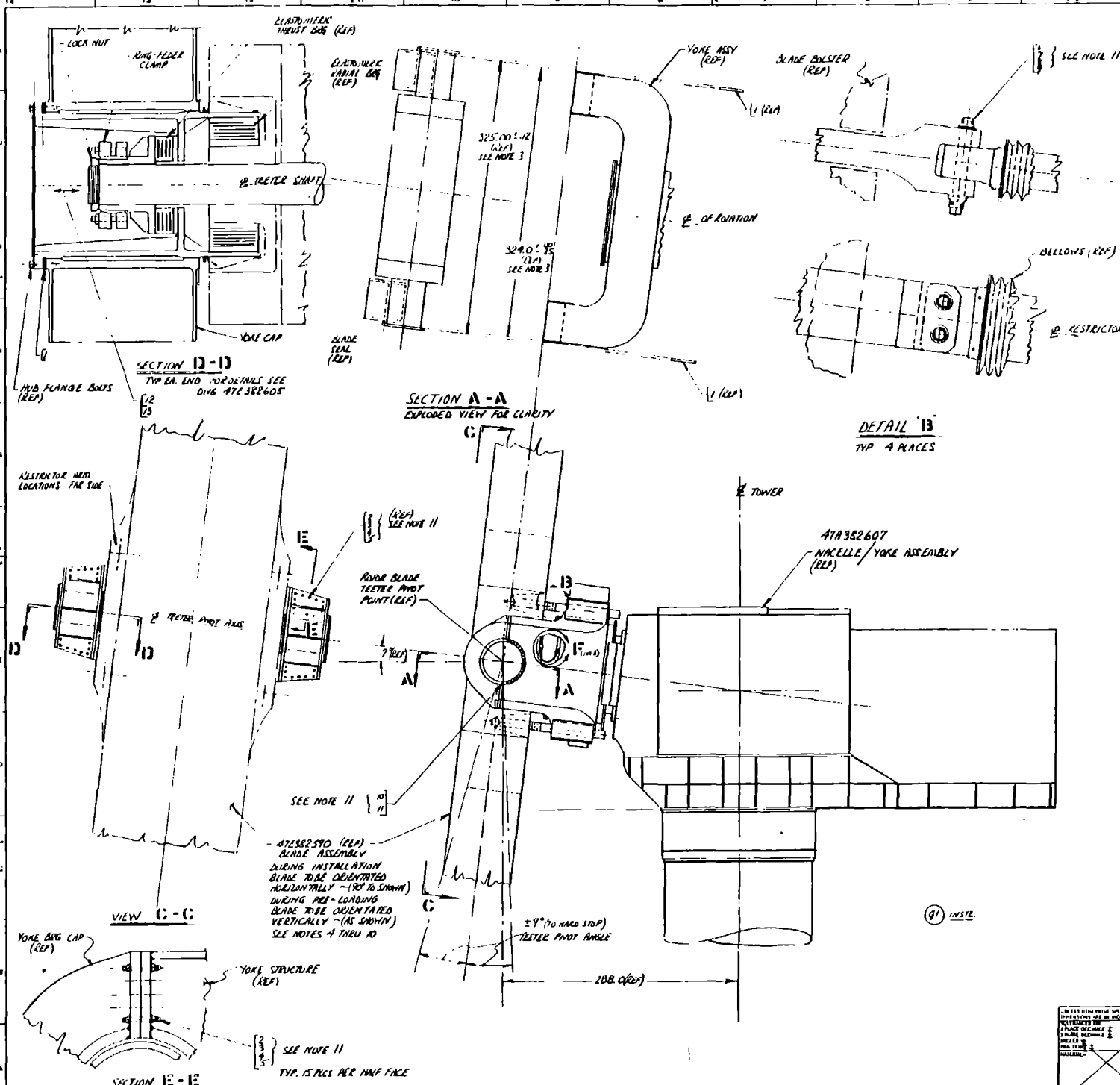
- NOTES
- DRAWING TERMS & TOLERANCES PER 41151-114 5
 - TENSION BOLTS PER GE SPEC 47A3826041 TABLE 1 USE HYDRAULIC TENSICOMER AND DIAMETRIC TIGHTENING METHOD TO TENSION BOLTS AT NACELLE INTERFACE ALL OTHER FASTENERS TO BE TORQUED WITH THREADS LUBRICATED
 - INSTALL SEAL RETAINER PLATES SO THAT GAP BETWEEN PLATES IS NOT CO-INCIDENTAL WITH GAP IN SEAL (ITEM 12) (GAP SHOULD BE HALFWAY AROUND SEAL PLATES)
 - PRIOR TO FINAL ENGAGEMENT OF LOW SPEED SHAFT SPLINE, LOOSELY ALIGN SPLINES IN GEARBOX WITH SHAFT BY USING INCHING DRIVE SUPPLIED WITH GEARBOX. USE INDEX MARKS ON FACE OF GEARBOX. SEE DWG (LATER)
- CAUTION
- CARE TO BE USED NOT TO DAMAGE SPLINE DURING ASSEMBLY USE TEMPORARY GUIDE PINS THROUGH INTERFACE BOLT HOLES TO HOLD YOKE STEADY (SEE NOTE 5). SPLINES TO BE COATED WITH RYKON GREASE "CEP OR NLG1" DURING INSTALLATION.
- AFTER INITIAL ENTRY OF LOW SPEED SPLINE INTO GEARBOX SPLINE-ADJUSTING PADS ON LOW SPEED SHAFT (SEE DETAIL C) MAY BE BACKED OFF TO ALLOW FRONT OF YOKE ASSEMBLY WHILE SPLINES ARE FULLY ENGAGED. AFTER SPLINES AND BOLTED INTERFACES ARE FULLY ASSEMBLED, RESTRAINING BRACKET & DRAG LINKS MUST BE REMOVED - DO NOT ATTEMPT TO ROTATE YOKE WITH DRAG LINKS STILL ASSEMBLED.
 - THIS INSTALLATION MUST BE CARRIED OUT IN CONJUNCTION WITH ROTOR CONDUIT INSTALLATION (SEE DWG 47E382599).
 - APPLY ITEM 15 AROUND ENTIRE PERIPHERY OF ATTACHMENT FLANGE TO SEAL AGAINST WEATHER PENETRATION.

SEE SEPARATE P/L & COVER SHEET

	GENERAL ELECTRIC YOKES/NACELLE INSTALLATION MOD-5A-WTG 47E382607	
	47E382607	
	47E382607	
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ORIGINAL PART IS OF POOR QUALITY

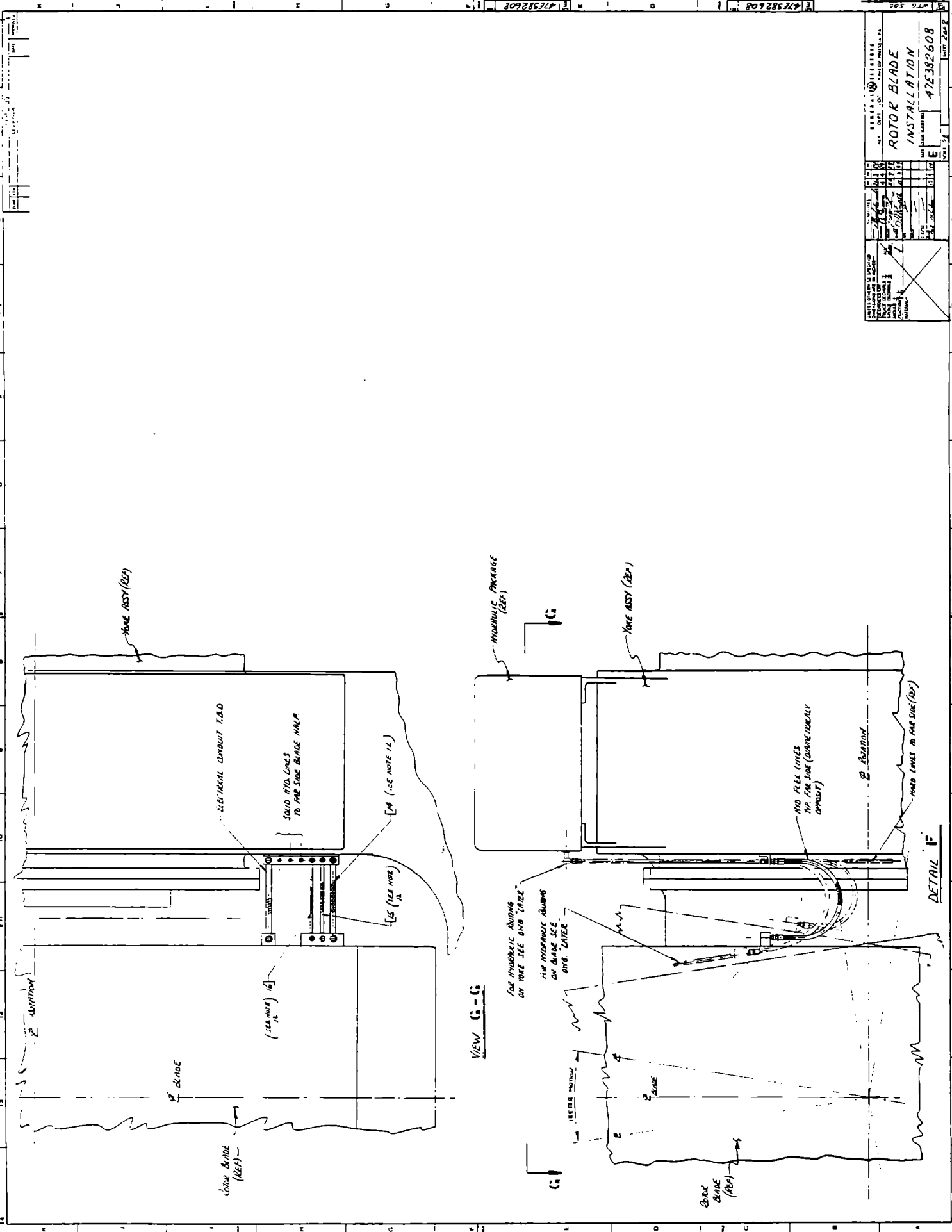


- GENERAL NOTES**
1. DIMENSIONS, TOLERANCES AND TOLERANCES PER ANSI Y14.5
 2. INSTALL WITH BLADE IN ACCORDANCE WITH INSTRUCTIONS SAG. 47A38100 AND B. Dwg 47E382605
 3. PRIOR TO INSTALLATION OF BLADE THE FOLLOWING CHECKS MUST BE MADE:
 - (A) 324.00 DIM IS WITHIN TOLERANCE
 - (B) 325.00 DIM IS WITHIN TOLERANCE
 - (C) SHIM (22401) HAS BEEN GRIND TO ONE HALF OF DIFFERENCE OF (A) & (B) IN ADJUSTED DIMENSIONS
 - (D) YOKE IS ORIENTED INTO VERTICAL POSITION (LENS DOWN) TO ALLOW BLADE TO BE ASSEMBLED IN HORIZONTAL POSITION
 - (E) TEETER RESTRICTOR ARMS ARE PUSHED INTO HOUSING (TOWARD NACELLE) TO CLEAR BLADE ARMS
 4. INSTALL BLADE INTO OPEN YOKE SADDLES - CONTROL THE BLADE TO THAT SHIM PLATES (ITEM 1) CAN BE INSTALLED CAUTION DURING THIS FIT - SEALS ON HUB MUST NOT BE DAMAGED
 5. INSTALL ALL HARDWARE INTO YOKE FACES AND IN HUB RANGE TO YOKE
NOTE USE DIAMETRIC TIGHTENING METHOD WHEN FINAL TIGHTENING HARDWARE TO NOTE 11
 6. LIFTING FEATURES ARE NOT TO BE REMOVED AND BLADE MUST BE ROUTED INTO C-12 POSITION (VERTICAL) TEETER SHAFT HORIZONTAL FOR THRUST BAR. WARNING: ENSURE THAT COVER PLATE AND LOCK NUT FRONT END OF TEETER SHAFT ARE REMOVED
 7. WITH PRE-LOAD FIXTURE 47E382608 INSTALLED ON EACH END OF TEETER SHAFT - APPLY A TOTAL LOAD OF 200,000 LBS TO ELASTOMERIC THRUST BAR. NOTE LOAD MUST BE APPLIED UNIFORMLY FROM EACH END THROUGH FIXTURES.
 8. WITH PRE-LOAD APPLIED FULLY TIGHTEN DIAG-YEAR CLAMPING NUTS TO 710-740 FT. LBS
NOTE USE DIAMETRIC TIGHTENING SYSTEM
 9. REMOVE FIXTURES AND RE-INSTALL LOCK NUT AND LOCK TAB.
NOTE LOCK NUT TO BE TIGHTENED ONE LOCKING SLOT BEYOND SHIM POSITION AND LOCKED
 10. TORQUE ALL BOLTS (LUBRICATED) PER GE SPEC. 47A380047 TABLE 1
NOTE C.S.F. WASHED (ITEM 5 & 9) TO BE INSTALLED UNDER HEAD OF BOLT
 11. FLEXIBLE HALES ITEM 14, 15 & 16 TO BE MADE UP FROM AERQUIP HYDRAULIC MALE FC136 OF 2.57" AND MALE WITH 2ND REMOVABLE SHIMMED FITTINGS #10333 AT EACH END - SIZES PER AS NOTED ON PART LIST - OVERALL LENGTH 7.810. ASSEMBLY / PROOF TEST TO BE PER DWS RECORDING PROCEDURES AND SPECIFICATIONS.

SEE SEPARATE PL AND COVER SHEET

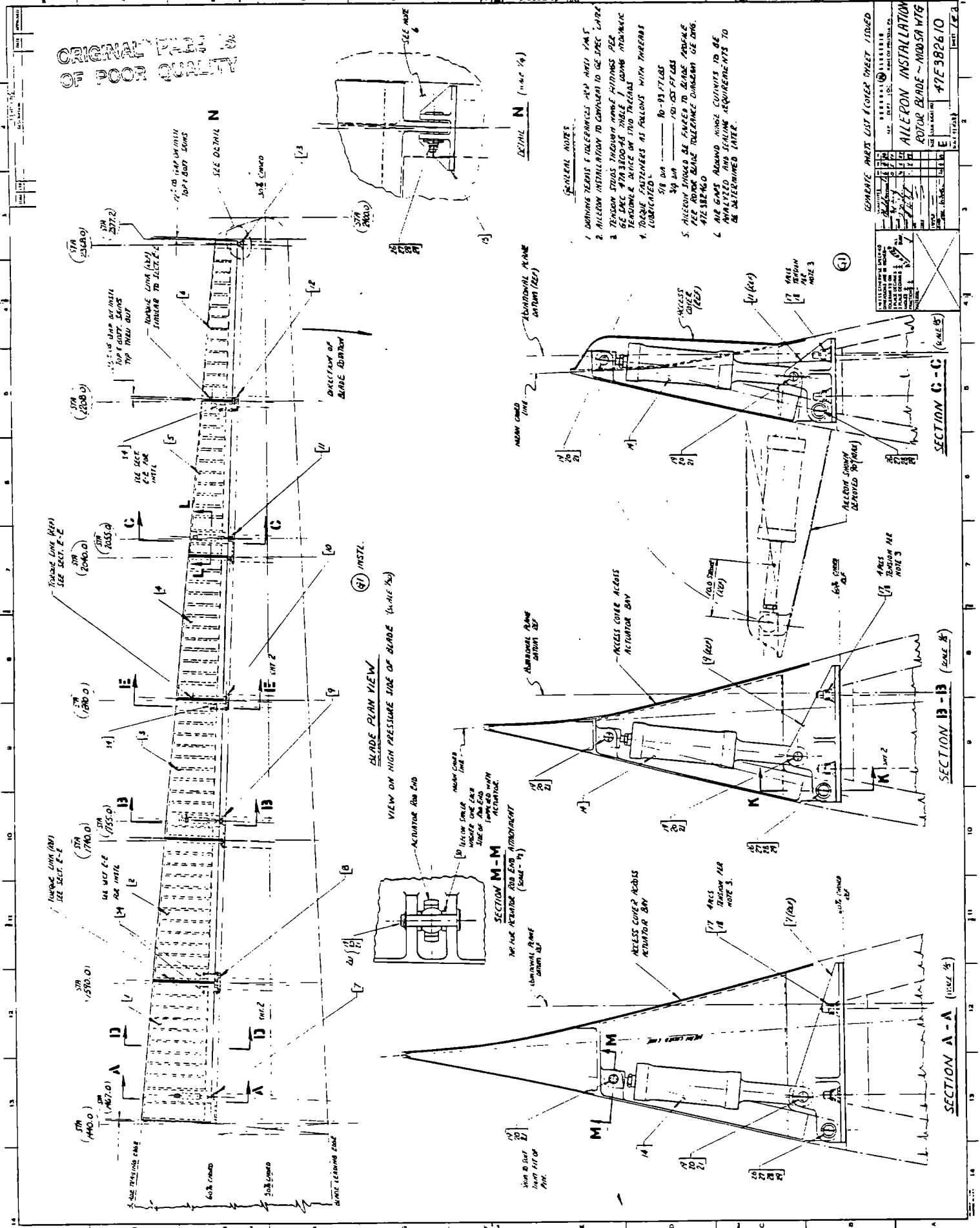
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47E382608
47E382608
47E382608



W.T.G. 500 47E382608	
Rotor Blade INSTALLATION 47E382608	
DATE: 10/11/57 DRAWN BY: [Signature] CHECKED BY: [Signature] APPROVED BY: [Signature]	
SHEET NO. 2 OF 2	

ORIGINAL PLAN
OF POOL QUALITY



- GENERAL NOTES
1. DRAWING TOLERANCES & DIMENSIONS ARE AS SHOWN UNLESS OTHERWISE SPECIFIED.
 2. ALLEPON INSTALLATION TO COMPLY TO GE SPEC LITERATURE.
 3. TENSION STAYS THROUGH HOLE FITTINGS PER GE SPEC #1A 3100-45. HOLE FITTING SHALL BE MADE AT MANUFACTURER'S DISCRETION AT FOLLOWING WITH TOLERANCES AS FOLLOWS:
 4. TOLERANCES AS FOLLOWS:
 - 3/8" DIA. ±0.0175
 - 3/4" DIA. ±0.0215
 - 1" DIA. ±0.025
 5. ALLEPON SHOULD BE FINISHED TO GE SPEC. FINISH PER GE SPEC #1A 3100-45. DIMENSIONS UNDER GE ENG. #172316-00.
 6. AIR GAPS AROUND WINDING CURRENTS TO BE ANALYZED AND SEALING REQUIREMENTS TO BE DETERMINED LATER.

CONCRETE PART LIST (COVER SHEET LISTED)

ITEM NO.	DESCRIPTION	QTY.	UNIT
1	ALLEPON INSTALLATION	1	UNIT
2	ROTOR BLADE - MDS58 WTG	1	UNIT

47E582610

BLADE PLAN VIEW
VIEW ON HIGH PRESSURE SIDE OF BLADE (SCALE 1/4)

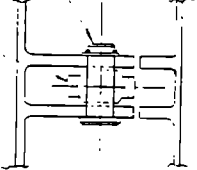
SECTION M-M
VIEW ON ACTUATOR ROD END (SCALE 1/2)

SECTION C-C
(SCALE 1/2)

SECTION B-B
(SCALE 1/2)

SECTION A-A
(SCALE 1/2)

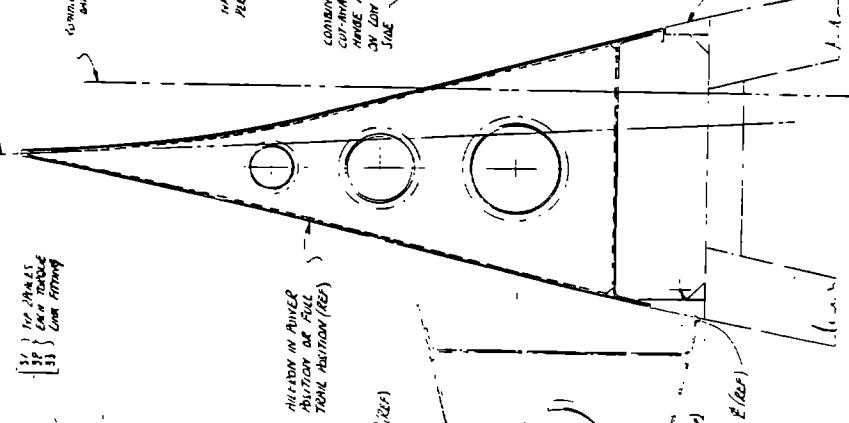
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SECTION H-H
(Scale: Full)

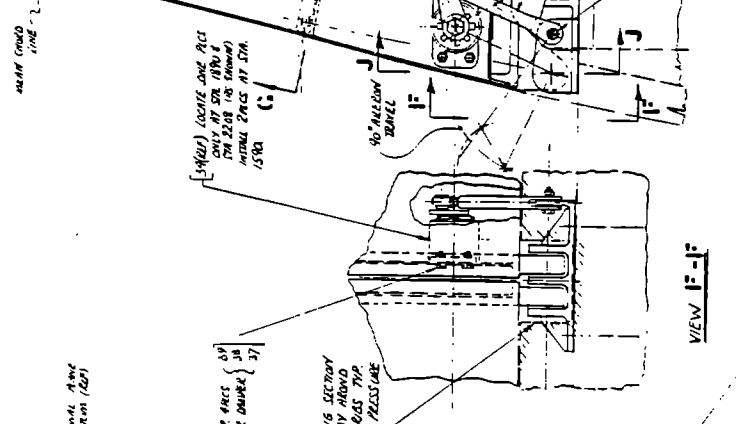
AIRFLOW IN UPPER
PORTION OF FULL
TONE POSITION (REF)

ALUMINUM DEPOSITED TO (REF)



VIEW I-I

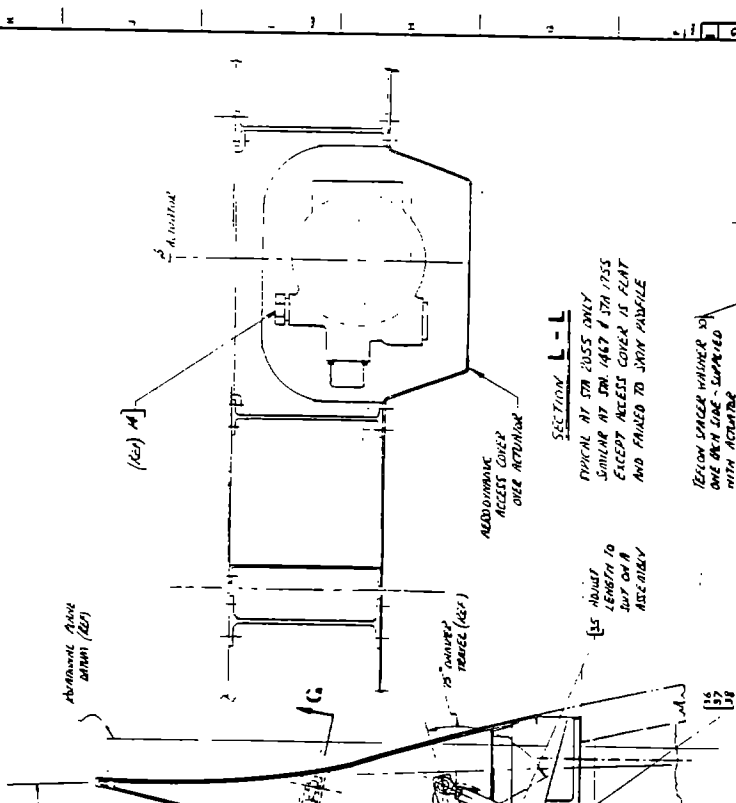
LONGING SECTIONS
ATTACHED TO BLADE
SECTION



SECTION J-J

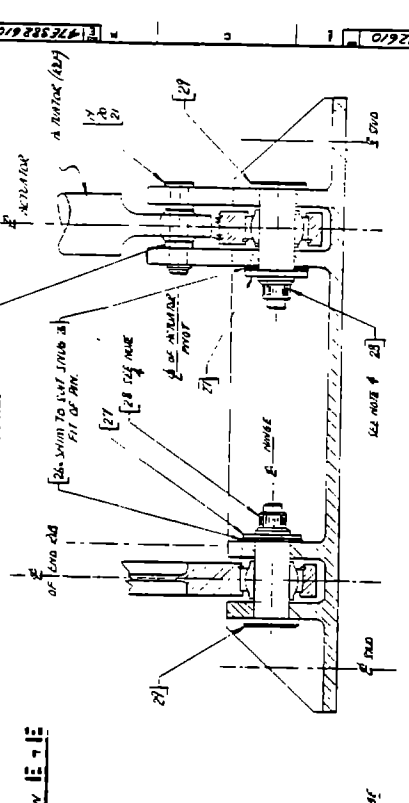
SECTION J-J

TYPICAL AT ANY ROTOR BAG - 3 PLACES



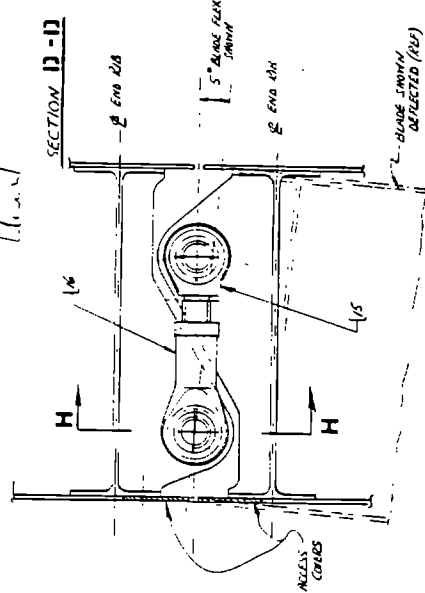
SECTION L-L

TYPICAL AT STA 2055 ONLY
SIMILAR AT STA 1427 & STA 1755
EXCEPT ACCESS COVER IS FLAT
AND FINISHED TO SHIP SURFACE



SECTION K-K

TYPICAL ACTUATOR BAG SECTION - 2 PLACES
SIMILAR AT STATION 20 (STA IN) EXCEPT ACTUATOR WING ONLY.



SECTION G-G

TENSURAL LINK THE 2 PLACES - SIMILAR AT STA 2008
NOTE ASSEMBLY ITEM IS P 16 TOGETHER
AND ADJUST TO 4.00 LONG [BASE]
IF ALLOWED SECTIONS ARE NOT MATCHED ALGEBRAICALLY
ABOUT ONE END OF LINK IN OR OUT TO COMPASS.

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47E382610
AILERON INSTALLATION
AILERON BLADE - MODISH WTG

60078709

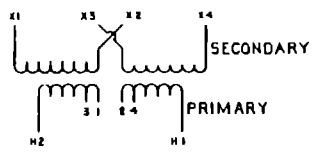
REVISIONS

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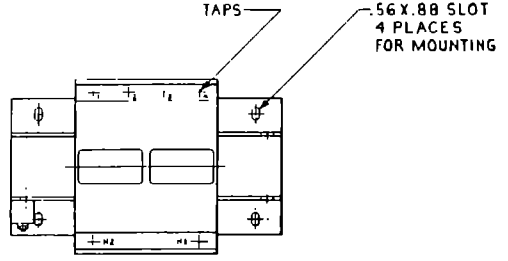
SPECIALTY SOURCE(S) OF SUPPLY			
SUPPLIER	VENDOR PART NO.	VENDOR	ES&M
PI	9T28Y5610	GENERAL ELECTRIC CO. SPECIALTY TRANSFORMER DEPT. FORT WAYNE, IND.	03512

HV TAP CONNECTION

	CONNECT
+750%	1-2
NORMAL	2-3
-750%	3-4



SCHMATIC

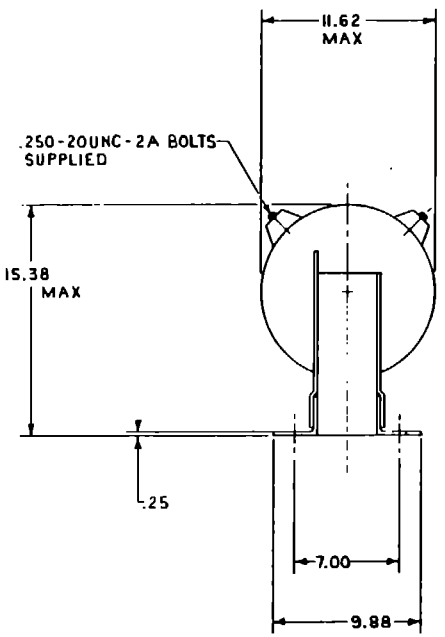
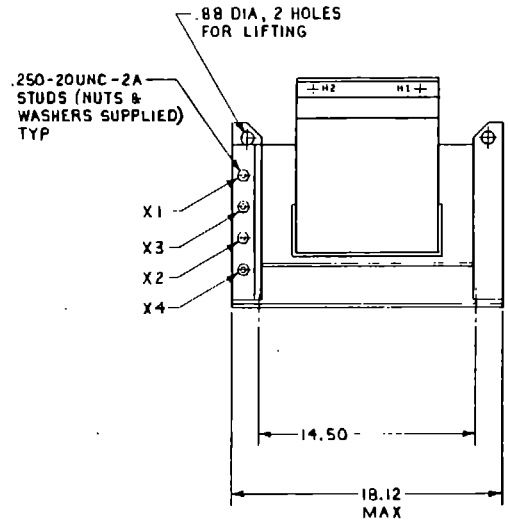


NOTES:

1. DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
2. MARK "GE47D387009PI" WITH .25 HIGH CHARACTERS WITH EPOXY INK OF A CONTRASTING COLOR ON NON-INSULATION SURFACE.

SPECIFICATIONS:

1. PRIMARY VOLTAGE → 2400V, SINGLE PHASE, 60HZ
2. SECONDARY VOLTAGE → 120/240
3. BIL → 60KV
4. APPROXIMATE WEIGHT → 165 LBS
5. TEMPERATURE RANGE:
OPERATIONAL (T_A) → -30°C TO 40°C
STORAGE (T_A) → -40°C TO 50°C



SPECIFICATION CONTROL DRAWING
IF YOU BUY THIS OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT AVAILABILITY AS A SOURCE OF SUPPLY FOR THIS ITEM OR.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - TOLERANCES ON: 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ± FUNCTIONS ± MATERIAL -	SIGNATURES		DATE
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GENERAL ELECTRIC
AEP DEPT. LOC. RFD OF PHILADELPHIA, PA

GROUNDING TRANSFORMER

SCALE 1/2" = 1"

CODE IDENT NO. **47D387009**

SHEET 1 OF 1

47D387009

WTG-512

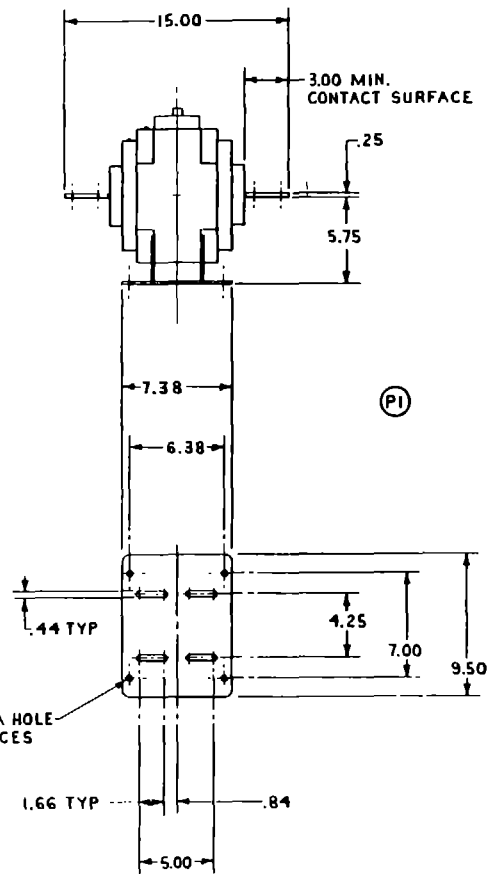
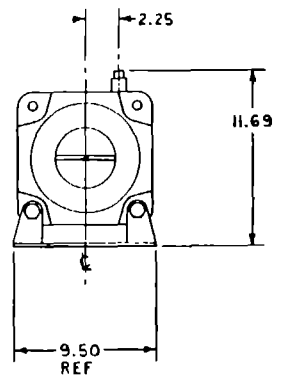
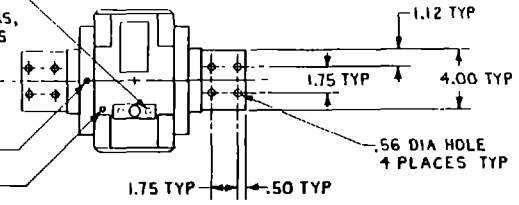
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SUGGESTED SOURCE(S) OF SUPPLY			
SUPPLY	VENDOR PART NO.	VENDOR	P/SCH
PI	753X20G4	GENERAL ELECTRIC CO. METER BUSINESS DEPT SUMMERSWORTH, N.H.	03516

SECONDARY TERMINAL
250-28UNF - 2A STUDS
(CUP WASHERS, LOCKWASHERS,
SHORTING BAR AND NUTS
SUPPLIED)

PRIMARY POLARITY
MARK
SECONDARY POLARITY
MARK



(PI)

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REVISIONS		DATE	APPROVED
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NOTES:

- DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5 AND ANSI-C57.13.
- MARK "GE 47D387010PI" WITH 25 HIGH CHARACTERS USING EPOXY INK OF A CONTRASTING COLOR ON NON-INSULATION SURFACE.

SPECIFICATIONS:

- PRIMARY AMPERES → 1500
- CURRENT RATIO (A) PRI-SEC → 1500:5
- VOLTAGE → 5000V
- RATED FREQUENCY → 60HZ
- IMPULSE LEVEL, FULL WAVE → BIL 60KV
- ACCURACY → .3 WITH BURDENS B-0.1 THRU B-2
- CONTINUOUS THERMAL-CURRENT RATING FACTOR
AT 30°C AMBIENT → 1.33
AT 50°C AMBIENT → 1.0
- ONE-SECOND THERMAL LIMIT (A) → 69,000
- SERVICE → INDOOR
- APPROXIMATE WEIGHT → 52 LBS
- TEMPERATURE RANGE (MIN)
OPERATIONAL (T_a) → -30°C TO 40°C
STORAGE (T_s) → -40°C TO 50°C

SPECIFICATION CONTROL DRAWING
IDENTIFICATION OF THE "SUGGESTED SOURCE(S) OF SUPPLY" HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT AVAILABILITY AS A SOURCE OF SUPPLY FOR THIS ITEM.

1500 / 5

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES—
TOLERANCES OR:
2 PLACE DECIMALS ± ALL
3 PLACE DECIMALS ± SHIP
ANGLES ±
FRACTIONS ±
MATERIAL—

SIGNATURES	DATE	DATE	DATE
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GENERAL ELECTRIC MFG. CO. OF PHILADELPHIA, PA.	
CURRENT TRANSFORMER	
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SHEET 1 OF 1	

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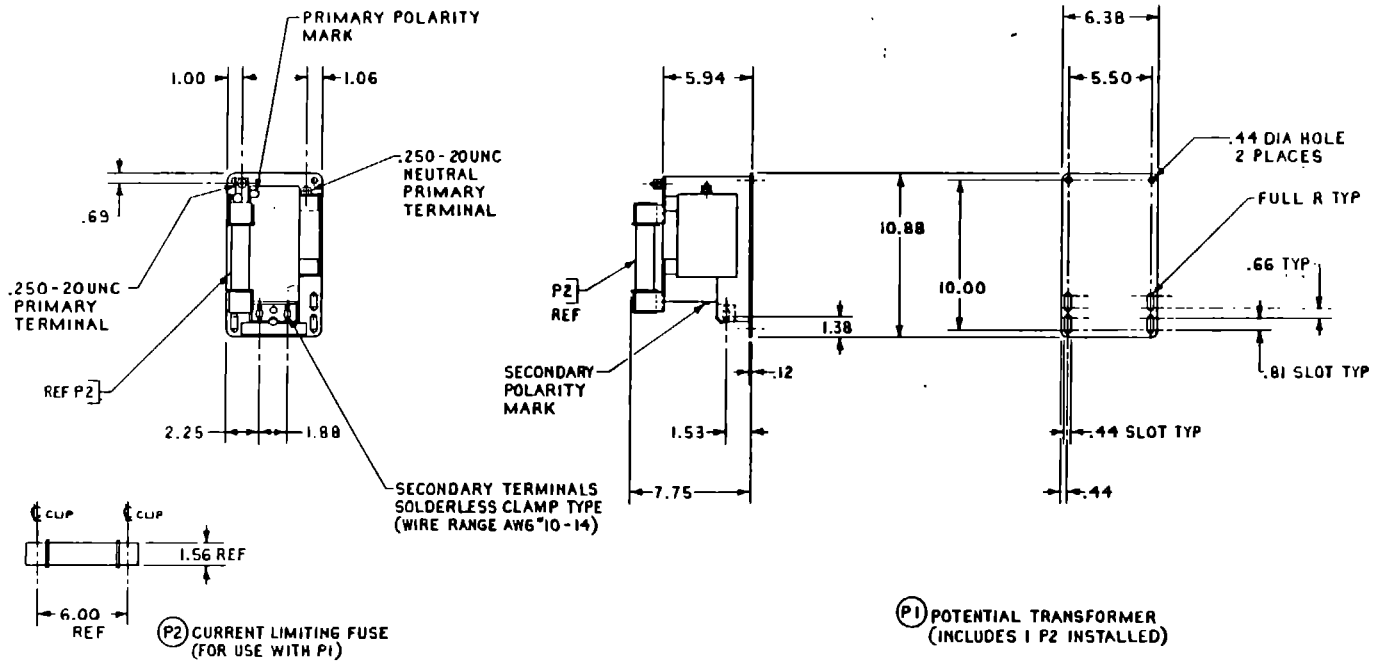
47D387010
WTC-512

110L88701

SUGGESTED SOURCE(S) OF SUPPLY

SUPPLY	VENDOR PART NO.	VENDOR	P/SCH
P1	643885	GENERAL ELECTRIC CO. METER BUSINESS DEPT	03516
P2	9F6088D001	BOWERSMITH, H. H.	

REV. NO.		DESCRIPTION	DATE	APPROVED
NO.	DATE			



- NOTES:
1. DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5 AND ANSI-C57.13.
 2. MARK "GE47D38701P" WITH .25 HIGH CHARACTERS USING EPOXY INK OF A CONTRASTING COLOR ON NON-INSULATION SURFACE.

- SPECIFICATIONS (P1 ONLY):
1. PRIMARY VOLTAGE → 2400V
 2. RATIO → 20:1
 3. APPLICATION:
CIRCUIT VOLTAGE LINE-TO-LINE → 4160
PRIMARY CONNECTION → Y
 4. ACCURACY → .3 WITH BURDENS OF W, X, M, Y
1.2 WITH A BURDEN OF Z
 5. BIL → 60KV
 6. RATED FREQUENCY → 60HZ
 7. THERMAL RATING → 750VA@30°C AMBIENT
 8. APPROXIMATE WEIGHT → 32 LBS
 9. TEMPERATURE RANGE
OPERATIONAL (T_a) → -30°C TO 40°C
STORAGE (T_a) → -40°C TO 50°C

(P1) POTENTIAL TRANSFORMER (INCLUDES 1 P2 INSTALLED)

SPECIFICATION CONTROL DRAWING IDENTIFICATION OF THE "SUGGESTED SOURCE(S) OF SUPPLY" HEREON IS INTENT TO BE CONSIDERED AS A GUARANTEE OF PRESENT AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

- SPECIFICATIONS (P2 ONLY):
1. CURRENT RATING → 1E AMP
 2. MAXIMUM VOLTAGE RATING → 5.5KV
 3. INTERRUPTING RATING → 80,000 RMS SYM AMPERES
 4. APPROXIMATE WEIGHT → 1.5 LBS

2400/120

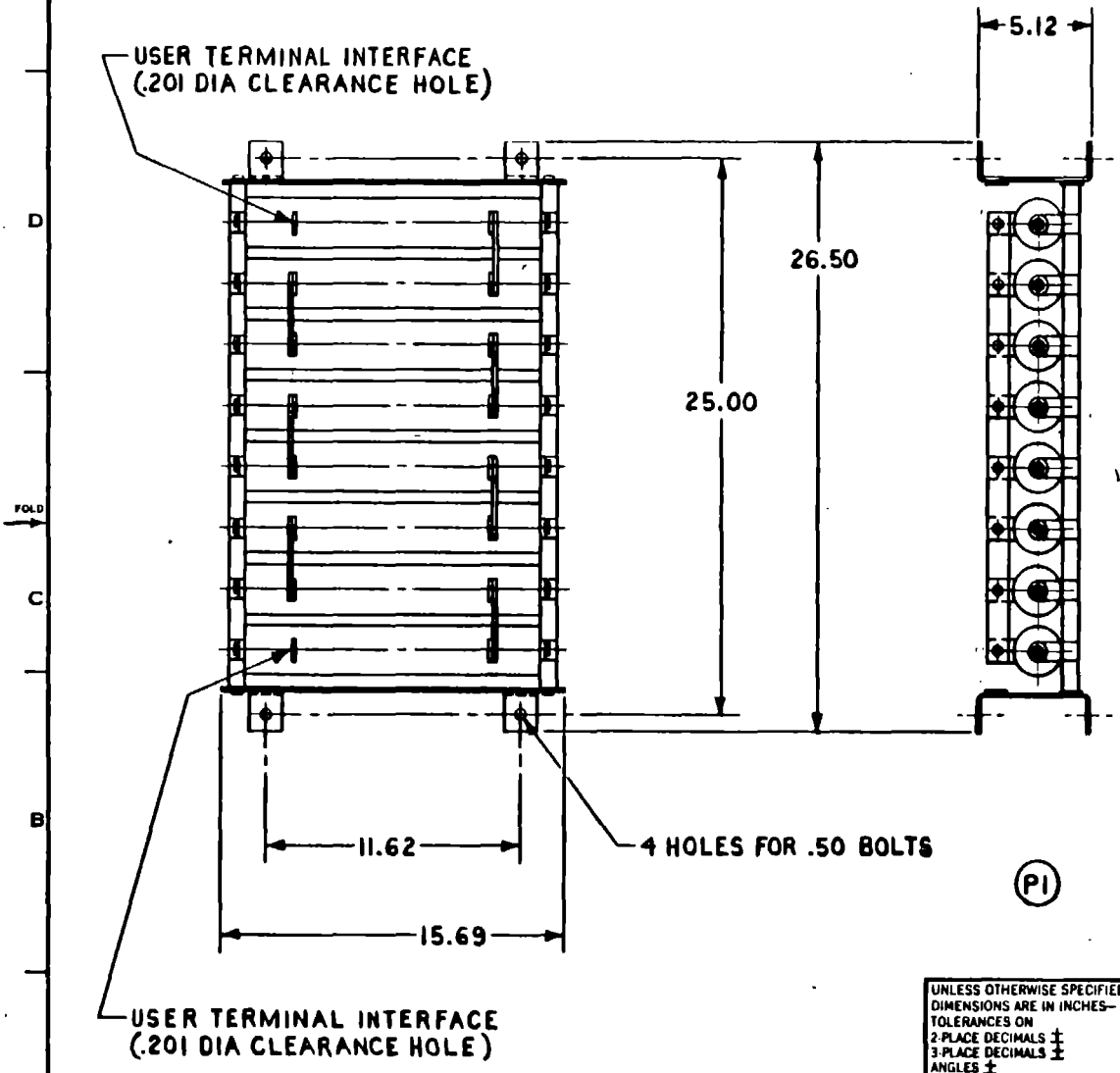
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— FOR DIMENSIONS IN 2 PLACE DECIMALS ± 1 PLACE DECIMALS ± 1 PLACE DECIMALS ± FRACTIONS ± MATERIAL—	DATE	13	7	81	ALL SLURS ✓	GENERAL ELECTRIC MFG. DEPT. 1 LOC. KING OF PRussia, PA. POTENTIAL TRANSFORMER CODE IDENT NO. 47D38701I SCALE 1/4"=1" SHEET 1 OF 1
	SIGNATURES	13	7	81		

47D38701I

WTG-512

SUGGESTED SOURCE(S) OF SUPPLY			
SUFFIX	VENDOR PART NO.	VENDOR	FRGM
PI	1C9133 *814918669	GENERAL ELECTRIC CO. INDUSTRIAL CONTROL DEPT SALEM, VA.	02989

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ZONE	LTR	DESCRIPTION	DATE	APPROVED



NOTES:

1. DRAWING TERMS AND TOLERANCES PER ANSI-Y14.5.
2. MARK "GE 47C387013 PI" WITH .25 HIGH CHARACTERS USING EPOXY INK OF A CONTRASTING COLOR.

SPECIFICATIONS:

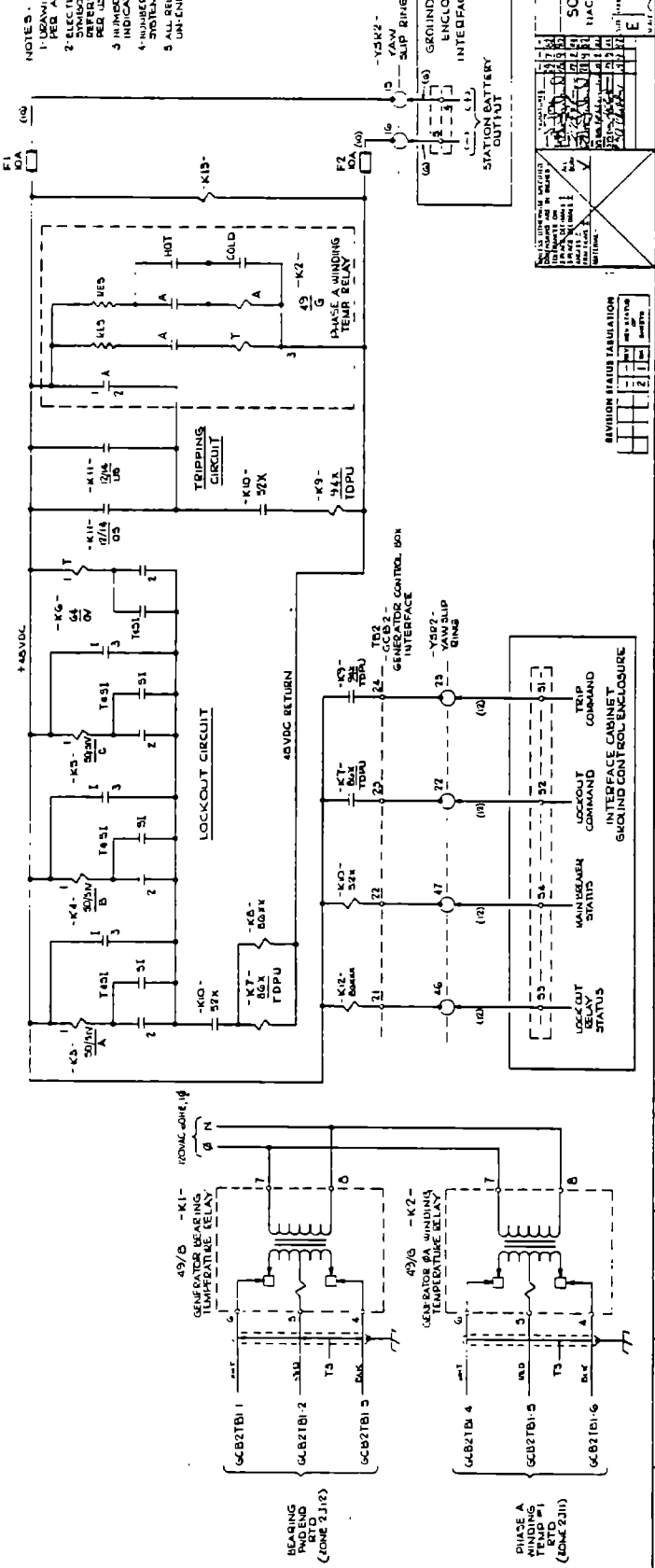
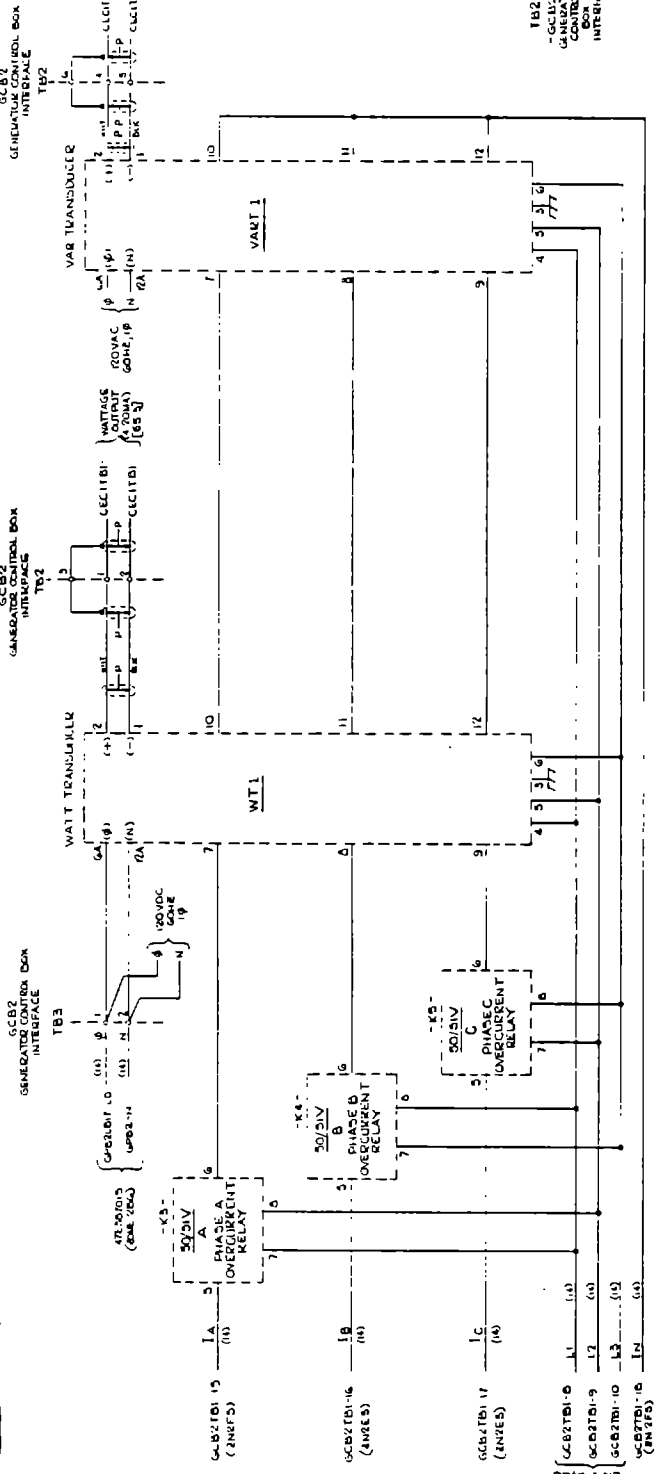
1. RESISTANCE → 4.4 OHMS
2. RESISTANCE TOLERANCE → ± 10%
3. CONTINUOUS RATING AMPS (375°C RISE) → 42 AMPS
4. MAXIMUM VOLTAGE → 600V
5. APPROXIMATE WEIGHT → 45 LBS
6. TEMPERATURE RANGE
 OPERATING (T_A) → -30°C TO 40°C
 STORAGE (T_A) → -40°C TO 50°C

SPECIFICATION CONTROL DRAWING
 IDENTIFICATION OF THE "SUGGESTED SOURCE(S) OF SUPPLY" HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ON 2-PLACE DECIMALS ± 3-PLACE DECIMALS ± ANGLES ± FRACTIONS ± MATERIAL—	SIGNATURES			DAY	MO	YR	GENERAL ELECTRIC AEP DEPT LUC KING OF PRUSSIA, PA.	47C387013 GROUNDING RESISTOR
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	QA: [Signature] ENG: [Signature]	27	7	82	26	7	82	SIZE: C CODE IDENT NO: 47C387013
		SCALE 1/4" = 1"		SHEET 1 OF 1		WTG-512		

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OF POOR QUALITY**

47E387014



- NOTES:**
1. DRAWING TOLERANCES PER ANSI-Y14.5
 2. DIMENSIONS TO UNLESS OTHERWISE SPECIFIED ARE IN INCHES
 3. DIMENSIONS IN PARENTHESES INDICATE WHERE NECESSARY
 4. DIMENSIONS IN PARENTHESES INDICATE WHERE NECESSARY
 5. ALL DIMENSIONS ARE SHOWN IN THE UN-ENERGIZED POSITION.

47E387014

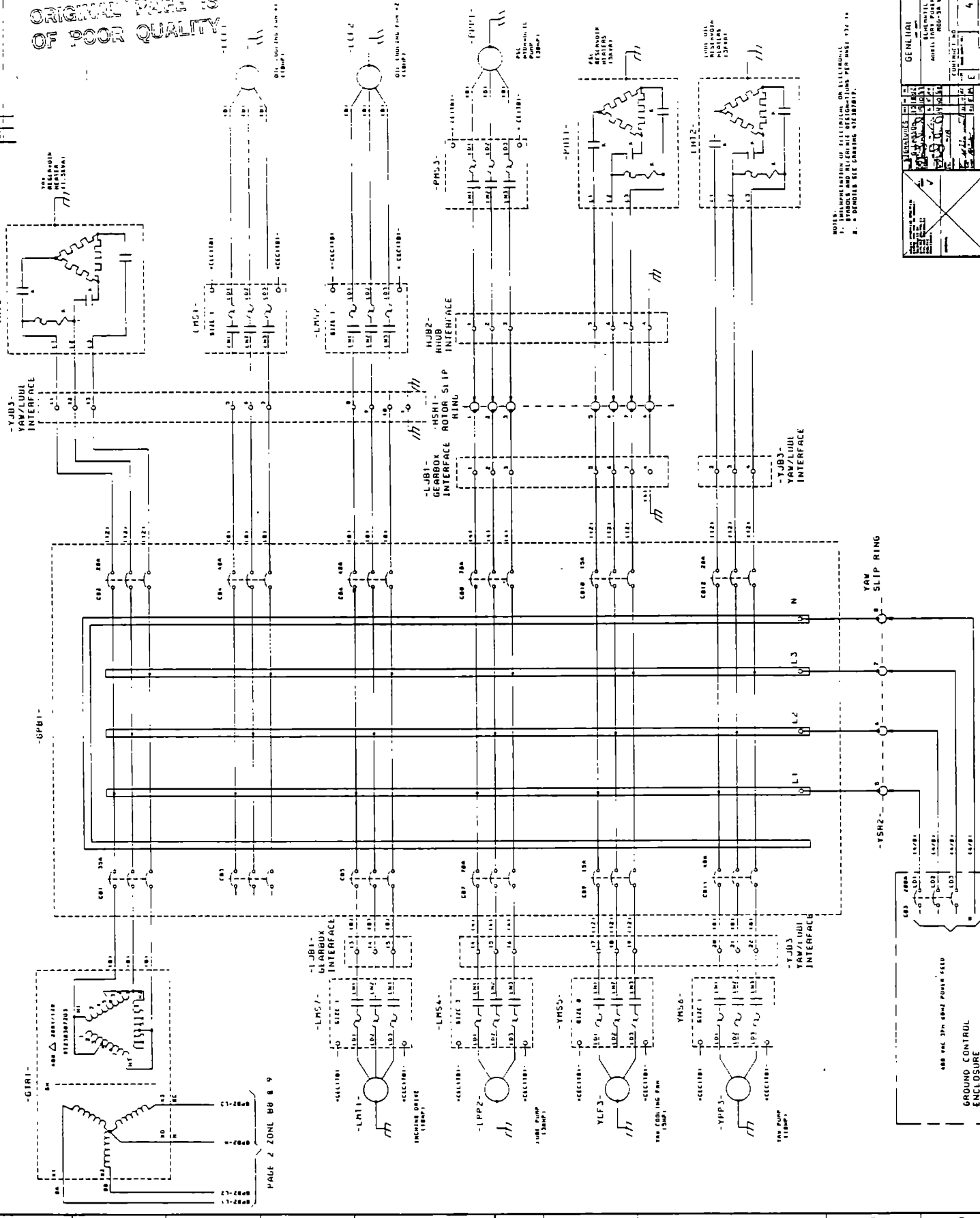
SCHEMATIC ELECTRICAL
INTERFACE CONTROL BOX
GENERATOR CONTROL BOX
INTERFACE

REVISION STATUS TABULATION

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NOTE: IMPLEMENTATION OF ALLIANCE ON ELECTRICAL
B. PRODUCE AND ASSEMBLY PER DRAWING PER PART 137.14
E. A. QUALITY OF WORKMANSHIP

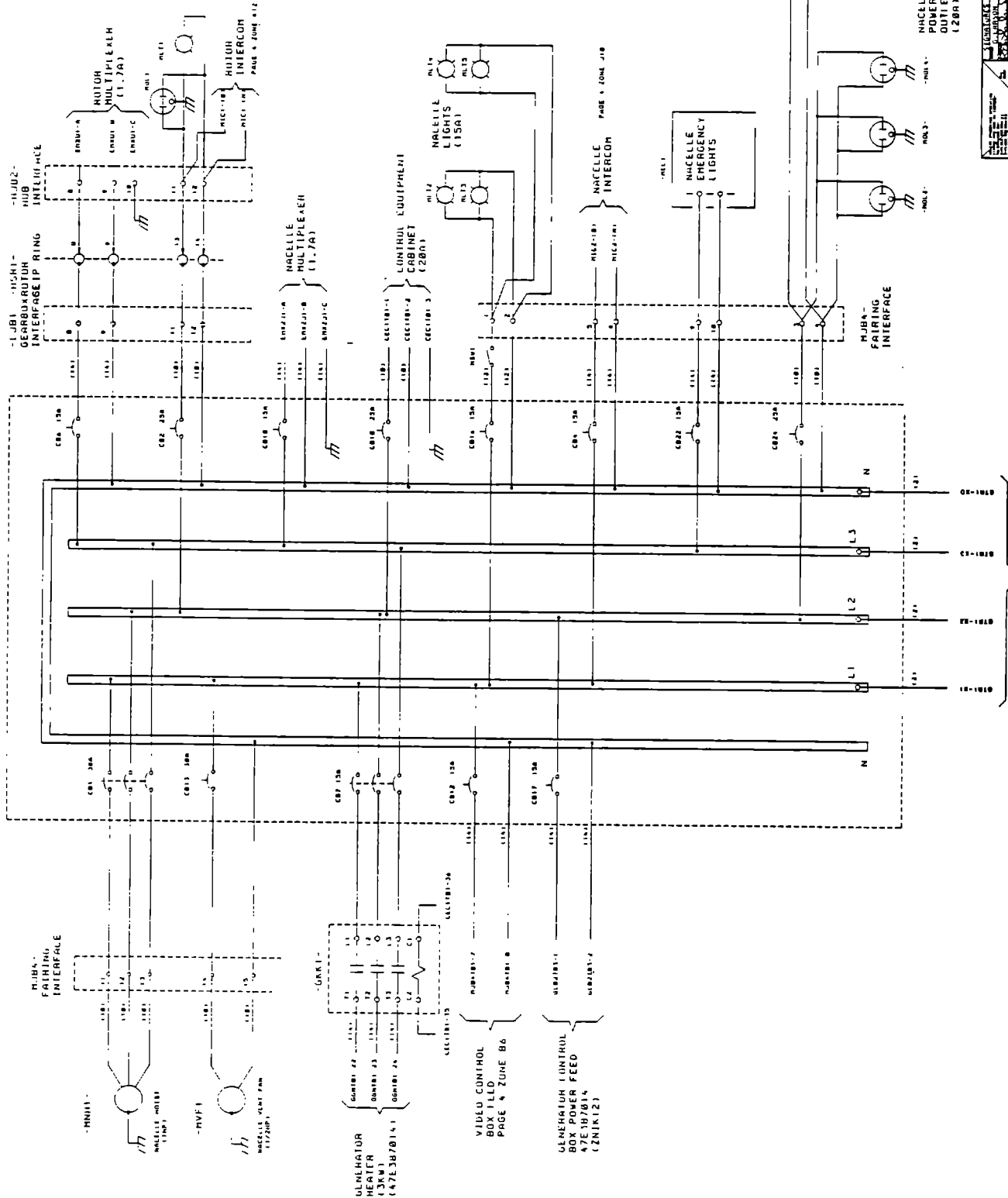
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ELECTRICAL DIVISION	
MILITARY DIVISION	
47E3B7018	
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GROUND CONTROL
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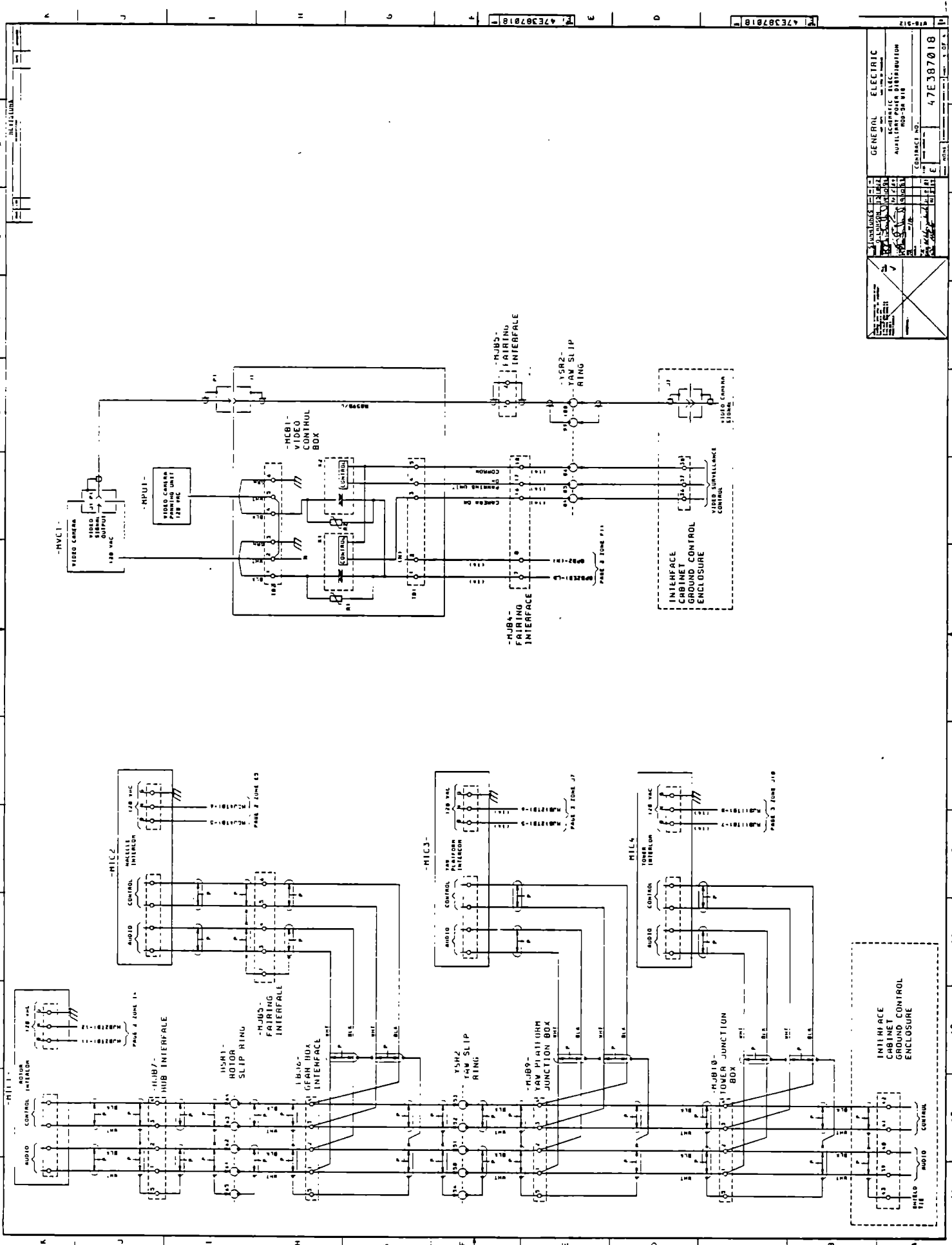
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MOD-54 VIB	
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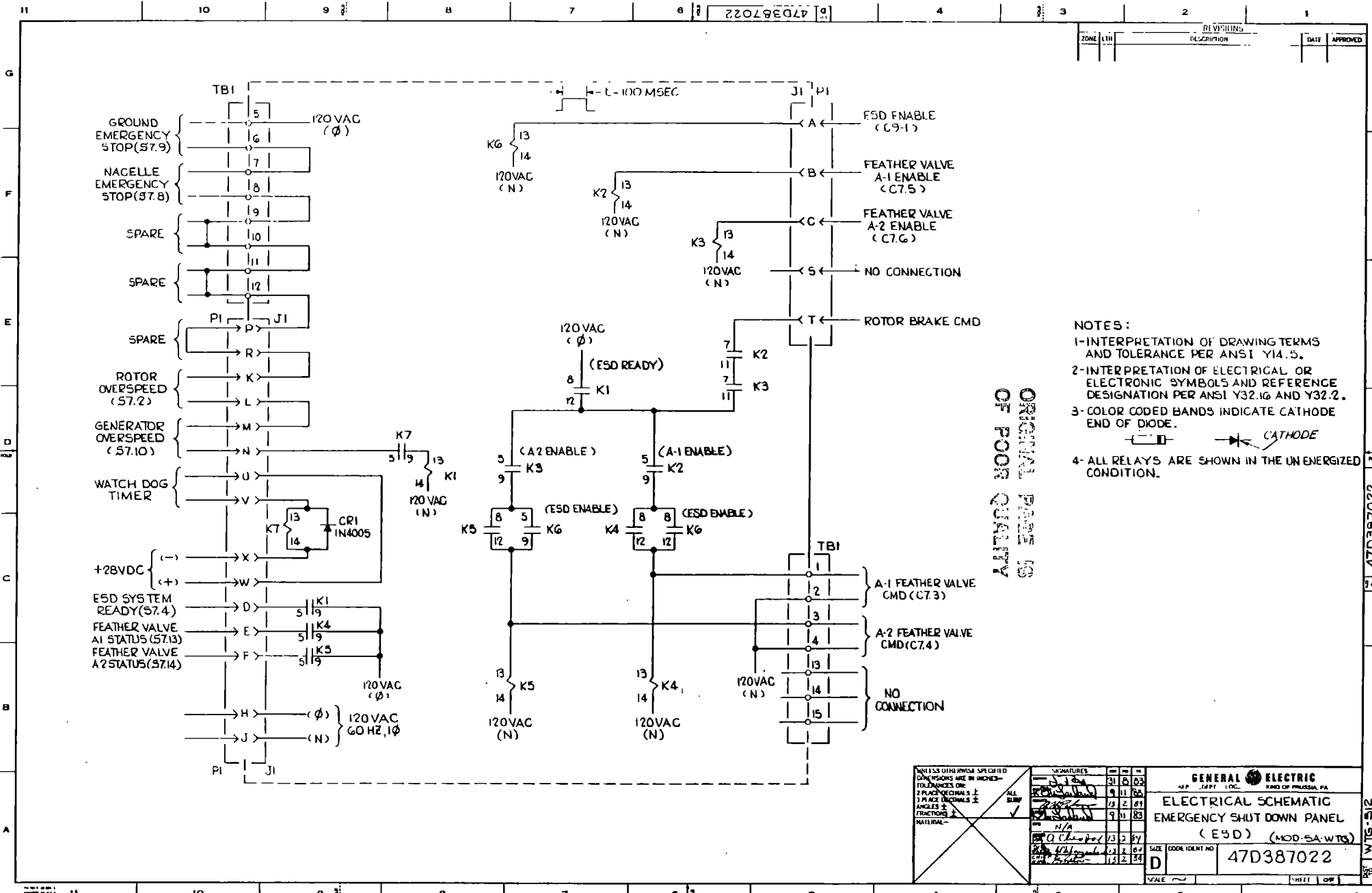
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PAGE 1 ZONE 86 11



47D387022

ZONE	REV	DESCRIPTION	DATE	APPROVED



- NOTES:
- 1-INTERPRETATION OF DRAWING TERMS AND TOLERANCE PER ANSI Y14.5.
 - 2-INTERPRETATION OF ELECTRICAL OR ELECTRONIC SYMBOLS AND REFERENCE DESIGNATION PER ANSI Y32.16 AND Y32.2.
 - 3-COLOR CODED BANDS INDICATE CATHODE END OF DIODE.
 - 4- ALL RELAYS ARE SHOWN IN THE UN ENERGIZED CONDITION.

ORIGINAL PAGE IS OF POOR QUALITY

<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - TOLERANCES ARE: 2 PLACE DECIMALS ± 1/16" 3 PLACE DECIMALS ± 1/32" ANGLES & FRACTIONS MATERIALS</small>	SIGNATURES		DATE
	<i>[Signature]</i>		31 8 83
	<i>[Signature]</i>		9 11 83
	<i>[Signature]</i>		7 2 81
			9 11 83
GENERAL ELECTRIC MOD. OF PHILADELPHIA, PA. ELECTRICAL SCHEMATIC EMERGENCY SHUT DOWN PANEL (ESD) (MOD. SA-WTG)			SIZE: 13 2 84 13 2 84 13 2 84
SCALE: 1" = 1"			IDENT NO: 47D387022

47D387022

- NOTES
1. INITIAL TOLERANCES OF DIMENSIONS, HEIGHTS, AND TOLERANCES PER MEET VIA 5
 2. FABRICATE PER MEET VIA 5
 3. WIRE ASSEMBLY PER SCHEMATIC DIAGRAM, ITEM 41
 4. UNLESS OTHERWISE SPECIFIED I.P.A. DIMENSIONS SUPPLIED BY VENDOR
 5. MARK ITEM 19 AS SHOWN IN DRAWING AND MARKED WITH AN ASTERISK (*) THIS TO BE SUPPLIED BY PRODUCTION CONTROL LOCATE APPROPRIATE AS SHOWN IN DRAWING AND MARKED WITH AN ASTERISK (*) FOR MARKING AND LABEL PRINTS FOR
 6. MARKING AND LABEL PRINTS FOR
 7. STORE KEYS SUPPLIED WITH SWITCH ITEM 8 IN A CLOTH BAG OR EQUIV AND ATTACH TO HANDLE, ITEM 6
 8. RESISTOR TERMINAL REAR, TOP OF PANEL 15 NO. 1, BOTTOM TERMINAL IS NO. 2

ITEM NO.	DESCRIPTION
19	RESISTOR TERMINAL REAR, TOP OF PANEL 15 NO. 1
20	RESISTOR TERMINAL REAR, TOP OF PANEL 15 NO. 2
21	RESISTOR TERMINAL REAR, TOP OF PANEL 15 NO. 3
22	RESISTOR TERMINAL REAR, TOP OF PANEL 15 NO. 4
23	RESISTOR TERMINAL REAR, TOP OF PANEL 15 NO. 5
24	RESISTOR TERMINAL REAR, TOP OF PANEL 15 NO. 6

SEE SEPARATE PARTS LIST AND C.A.M.P. SHEET

WIG-515-512

ASSEMBLY WIG CONTROL PANEL MOD 5A WIG

47L387027

DATE: 11/11/54

BY: [Signature]

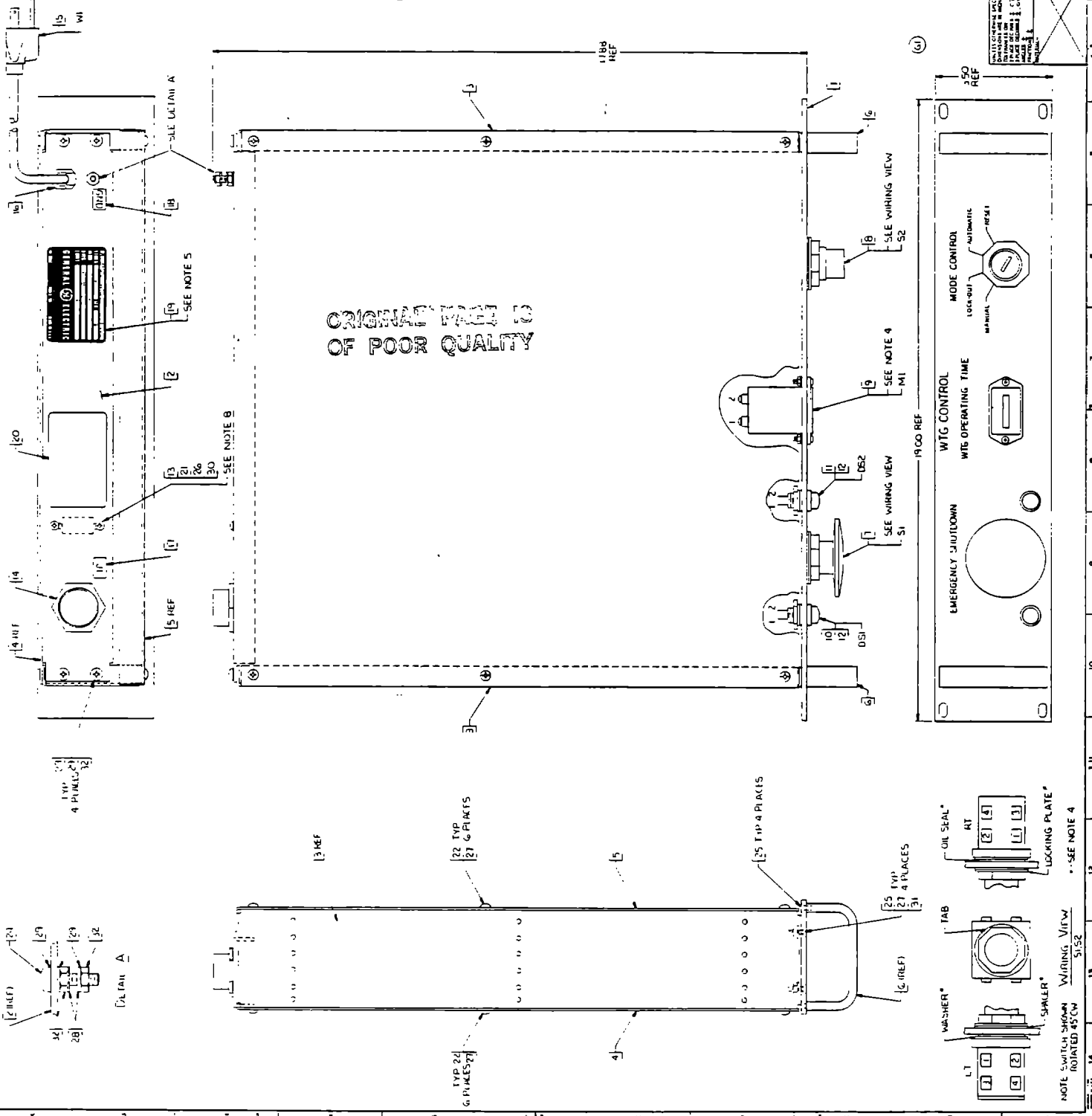
CHKD: [Signature]

APP'D: [Signature]

REVISIONS:

NO.	DESCRIPTION	DATE
1	ISSUED FOR FABRICATION	11/11/54
2	REVISED TO SHOW CHANGES	11/11/54
3	REVISED TO SHOW CHANGES	11/11/54
4	REVISED TO SHOW CHANGES	11/11/54
5	REVISED TO SHOW CHANGES	11/11/54
6	REVISED TO SHOW CHANGES	11/11/54
7	REVISED TO SHOW CHANGES	11/11/54
8	REVISED TO SHOW CHANGES	11/11/54
9	REVISED TO SHOW CHANGES	11/11/54
10	REVISED TO SHOW CHANGES	11/11/54
11	REVISED TO SHOW CHANGES	11/11/54
12	REVISED TO SHOW CHANGES	11/11/54
13	REVISED TO SHOW CHANGES	11/11/54
14	REVISED TO SHOW CHANGES	11/11/54
15	REVISED TO SHOW CHANGES	11/11/54
16	REVISED TO SHOW CHANGES	11/11/54
17	REVISED TO SHOW CHANGES	11/11/54
18	REVISED TO SHOW CHANGES	11/11/54
19	REVISED TO SHOW CHANGES	11/11/54
20	REVISED TO SHOW CHANGES	11/11/54
21	REVISED TO SHOW CHANGES	11/11/54
22	REVISED TO SHOW CHANGES	11/11/54
23	REVISED TO SHOW CHANGES	11/11/54
24	REVISED TO SHOW CHANGES	11/11/54
25	REVISED TO SHOW CHANGES	11/11/54
26	REVISED TO SHOW CHANGES	11/11/54
27	REVISED TO SHOW CHANGES	11/11/54
28	REVISED TO SHOW CHANGES	11/11/54
29	REVISED TO SHOW CHANGES	11/11/54
30	REVISED TO SHOW CHANGES	11/11/54
31	REVISED TO SHOW CHANGES	11/11/54
32	REVISED TO SHOW CHANGES	11/11/54

ORIGINAL PART IS OF POOR QUALITY



NOTE SWITCH SHOWN ROTATED 45° CW

WIRING VIEW

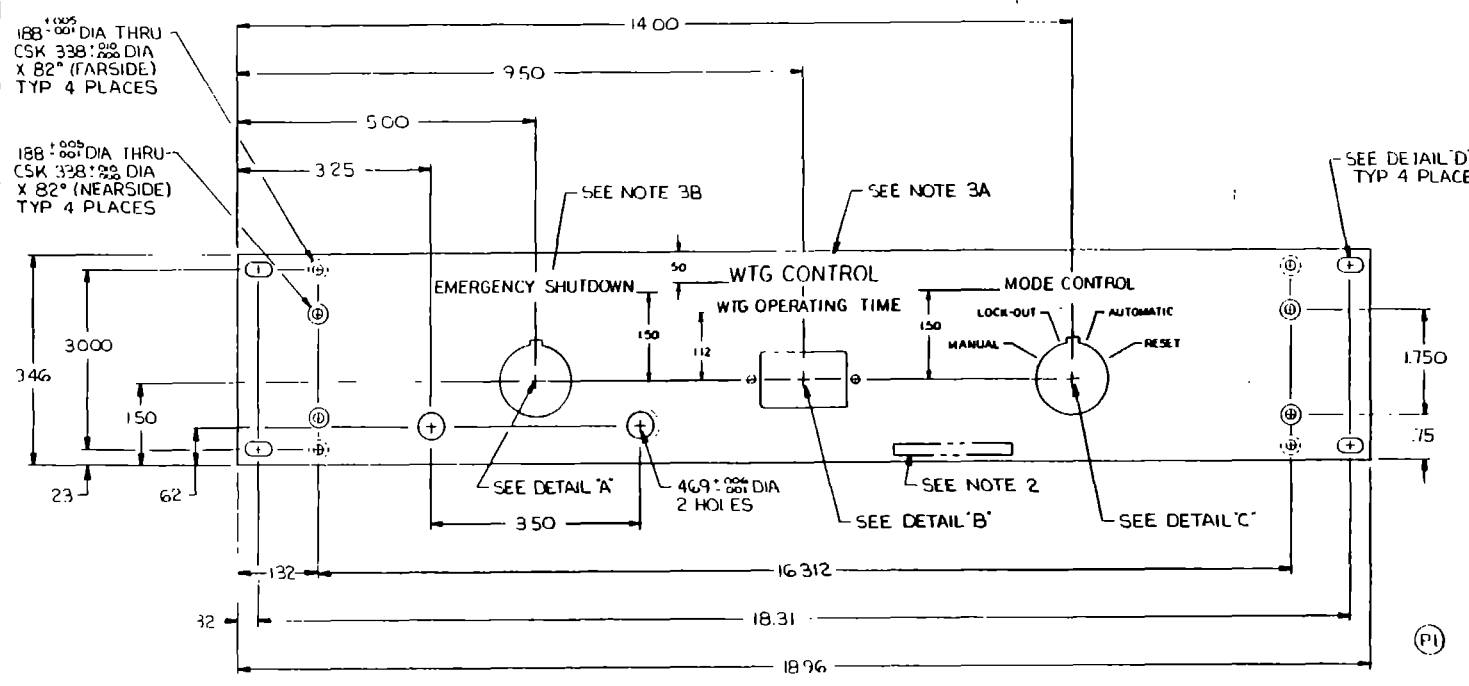
5152

SEE NOTE 4

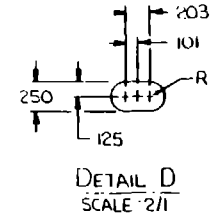
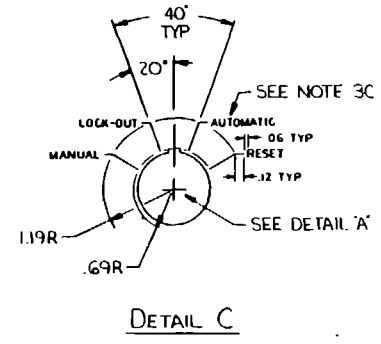
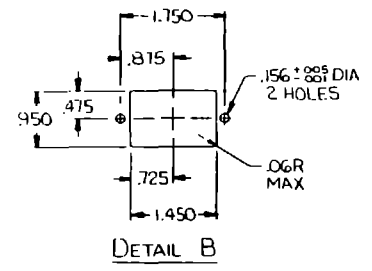
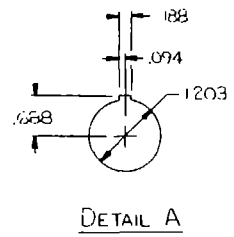
47D387028

DATE	APPROVED

ORIGINAL PART IS OF POOR QUALITY



- NOTES
- INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 - MARK "GE47D387028P1" WITH EPOXY BASE INK, 12 INCH HIGH CHARACTERS APPROX AS SHOWN (FARSIDE)
 - ENGRAVED CHARACTERS TO BE CENTERED ON BOTH AXIS, HEIGHT AS INDICATED BELOW, NORMAL LETTERING AND TO BE FILLED WITH BLACK WIPE IN PAINT. REMOVE EXCESS BLUE PAINT BEFORE APPLYING BLACK WIPE IN PAINT.
 - A. .25 INCH HIGH
 - B. .18 INCH HIGH
 - C. .12 INCH HIGH
 - THICKNESS OF ENGRAVED LINES SHALL BE .020.
 - FINISH PER 47A360048 SECTION B.4 COLOR SHALL BE SEMI GLOSS BLUE IN ACCORDANCE WITH MIL-STD-595 (COLOR NO 2517)

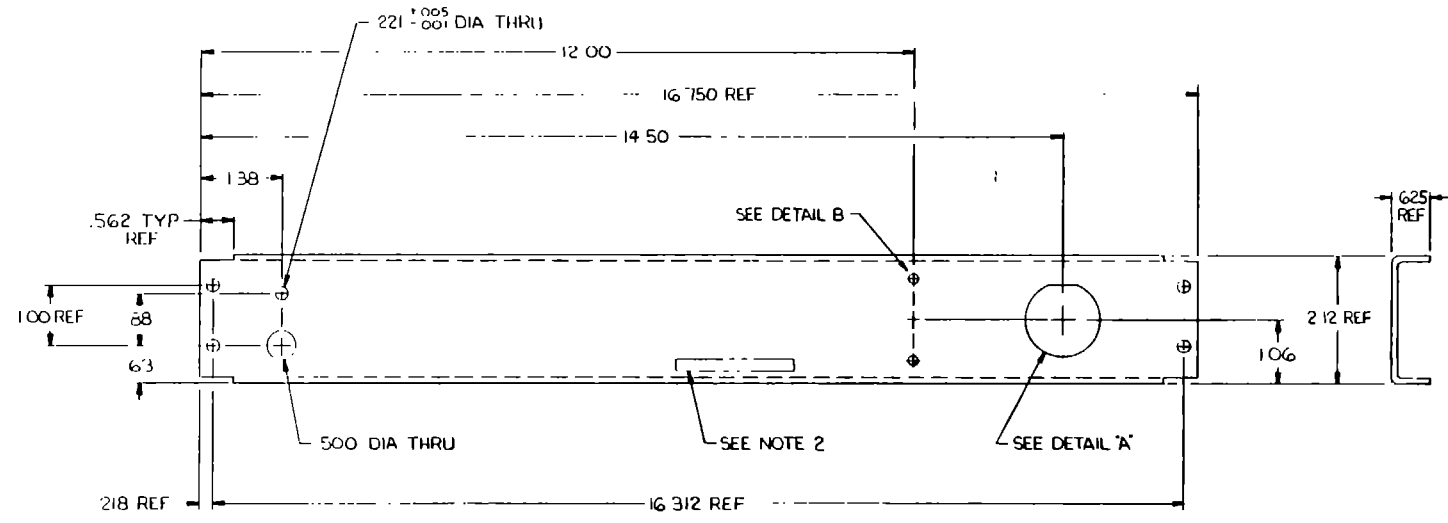


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - FOR LENGTHS OR 2 PLACE DECIMALS ± .03 M1 3 PLACE DECIMALS ± .010 SURF ANGLES ± FRACTIONS - MATERIAL -	DATE	BY	CHKD	APP'D
ALUM ALY 6061-T6 .187 THK STOCK	SIZE	BOOK IDENT NO	GENERAL ELECTRIC ELECT. LOG. DIV. OF PITTSBURGH, PA.	
	D		PANEL, FRONT WTG CONTROL PANEL MOD-5A WTG	
			47D387028	
			SHEET 1 OF 1	

47D387028

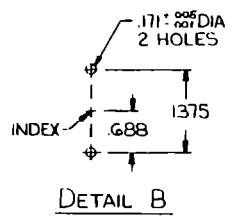
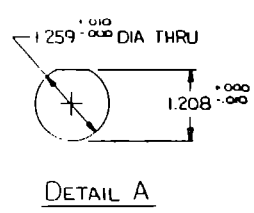
6201887029

REV	DATE	DESCRIPTION	APPROVED



- NOTES
- 1 INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5
 - 2 MARK 'GE47D387029PI' WITH EPOXY BASE INK, 1/2 INCH HIGH CHARACTERS APPROX AS SHOWN (FARSIDE)

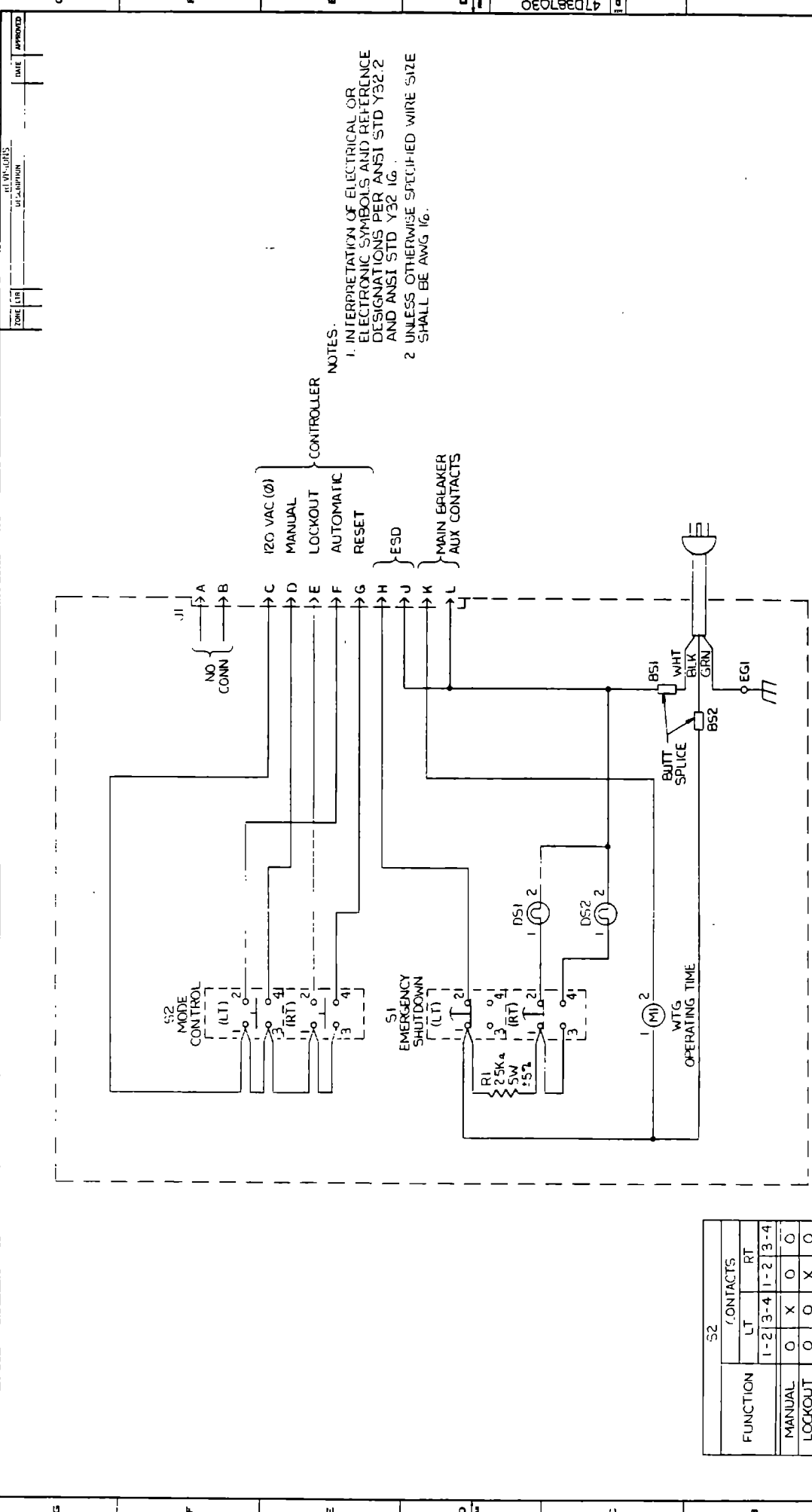
(PI) MAKE FROM: PART NO RP-A-3
 AS SUPPLIED BY
 VENT RAK
 INDIANAPOLIS, INDIANA 46219
 FSCM: 06666



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ARE: 2 PLACE DECIMALS ± .03 ALL 3 PLACE DECIMALS ± .010 SURF ANGLES ± FRACTIONS ±	SIGNATURES	DATE	SCALE	GENERAL ELECTRIC RANJ OF PENNSA, PA. CONNECTOR PANEL, WTG CONTROL PANEL MOD 5A WTG 47D387029
	SEE F/D	12 10 92	1:1	
SIZE D				SHEET 1 of 1

47D387029

WTG-512



NOTES:
 1. INTERPRETATION OF ELECTRICAL OR ELECTRONIC SYMBOLS AND REFERENCE DESIGNATIONS PER ANSI STD Y32.2 AND ANSI STD Y32.16.
 2. UNLESS OTHERWISE SPECIFIED WIRE SIZE SHALL BE AWG 16.

FUNCTION	CONTACTS		
	LT	RT	
MANUAL	0	X	0
LOCKOUT	0	0	X
AUTOMATIC	X	0	0
RESET	0	0	0

X = CLOSED CIRCUIT
 O = OPEN CIRCUIT

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES OR MILLIMETERS AS SHOWN ON DRAWING.

GENERAL ELECTRIC
 SCHEMATIC DIAGRAM, ELEC
 WTG CONTROL PANEL
 MOD-5A WTG

47D387030

WTG-512

DATE: _____
 APPROVED: _____

ZONE: _____
 DESCRIPTION: _____

SIZE: _____
 SHEET: 1 OF 1

TABLE 4

ROW	COLUMN
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
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100	100

TABLE 1

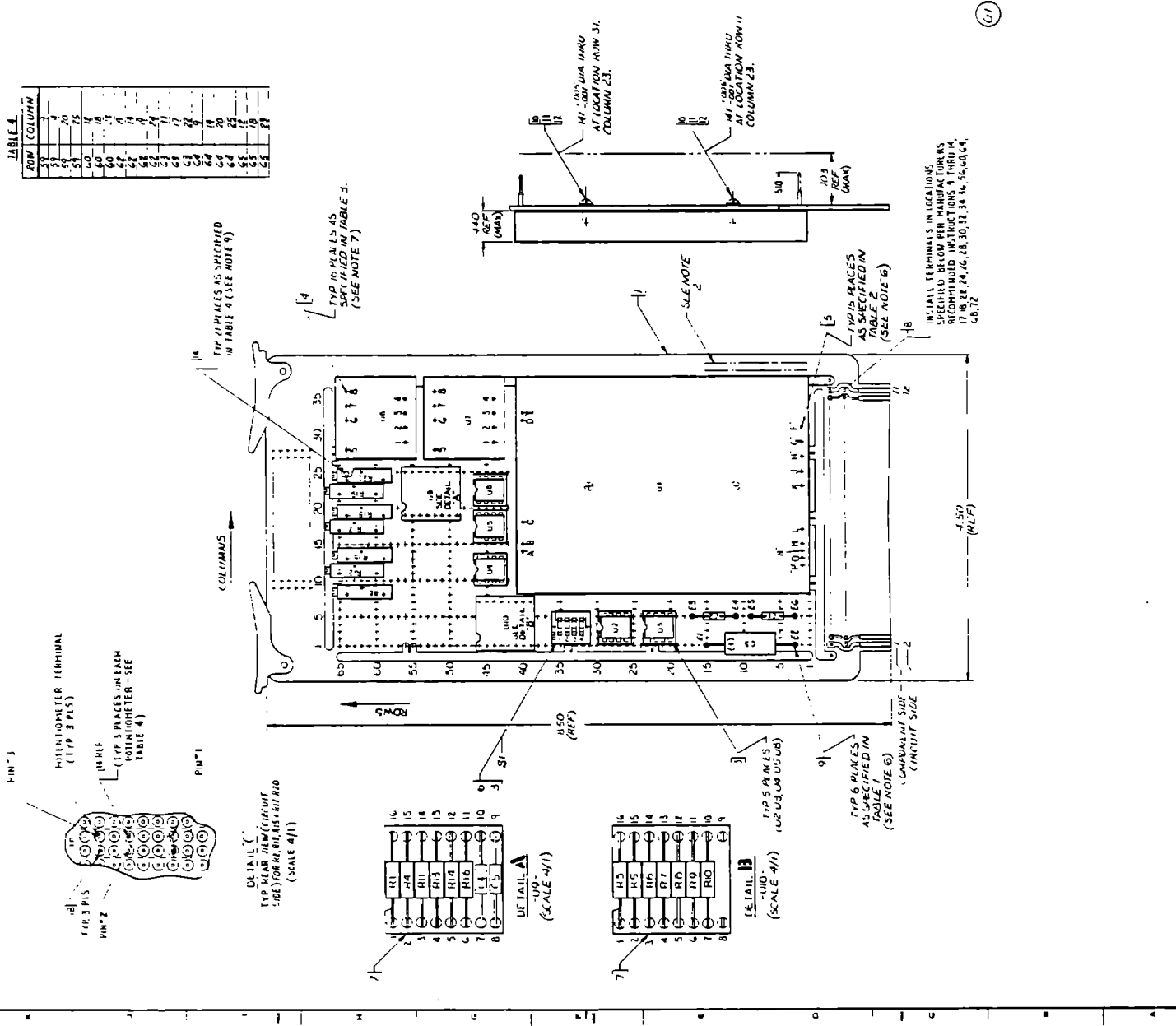
ROW	COLUMN
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TABLE 2

ROW	COLUMN
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TABLE 3

ROW	COLUMN
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100	100



- NOTES:
1. INTERPRETATION OF DRAWING, TERMS AND TOLERANCES PER ANSI Y14.5.
 2. MARK GE7E 181017 WITH PROXY INK AS 1/2 INCH HIGH CHARACTERS APPROX.
 3. ASSEMBLE AND WIRE PER 413000000.
 4. SOLDER ALL TERMINALS.
 5. MARK REFERENCE SIGNALS APPROX AS SHOWN WITH EPOXY BASE INK.
 6. DRILL .055" DIA. HOLES IN LOCATIONS SPECIFIED IN TABLE 5. MARK MANUFACTURERS RECOMMENDED DIMENSIONS.
 7. DRILL .028" DIA. HOLES IN LOCATIONS SPECIFIED IN TABLE 6. MARK MANUFACTURERS RECOMMENDED DIMENSIONS.
 8. INTERPRETATION OF ELECTRONIC OR ELECTRICAL SYMBOLS AND REFERENCE SIGNALS PER ANSI Y32.2 AND ANSI Y32.10.
 9. DRILL .052" DIA. HOLES IN LOCATIONS SPECIFIED IN TABLE 3. MARK MANUFACTURERS RECOMMENDED DIMENSIONS.

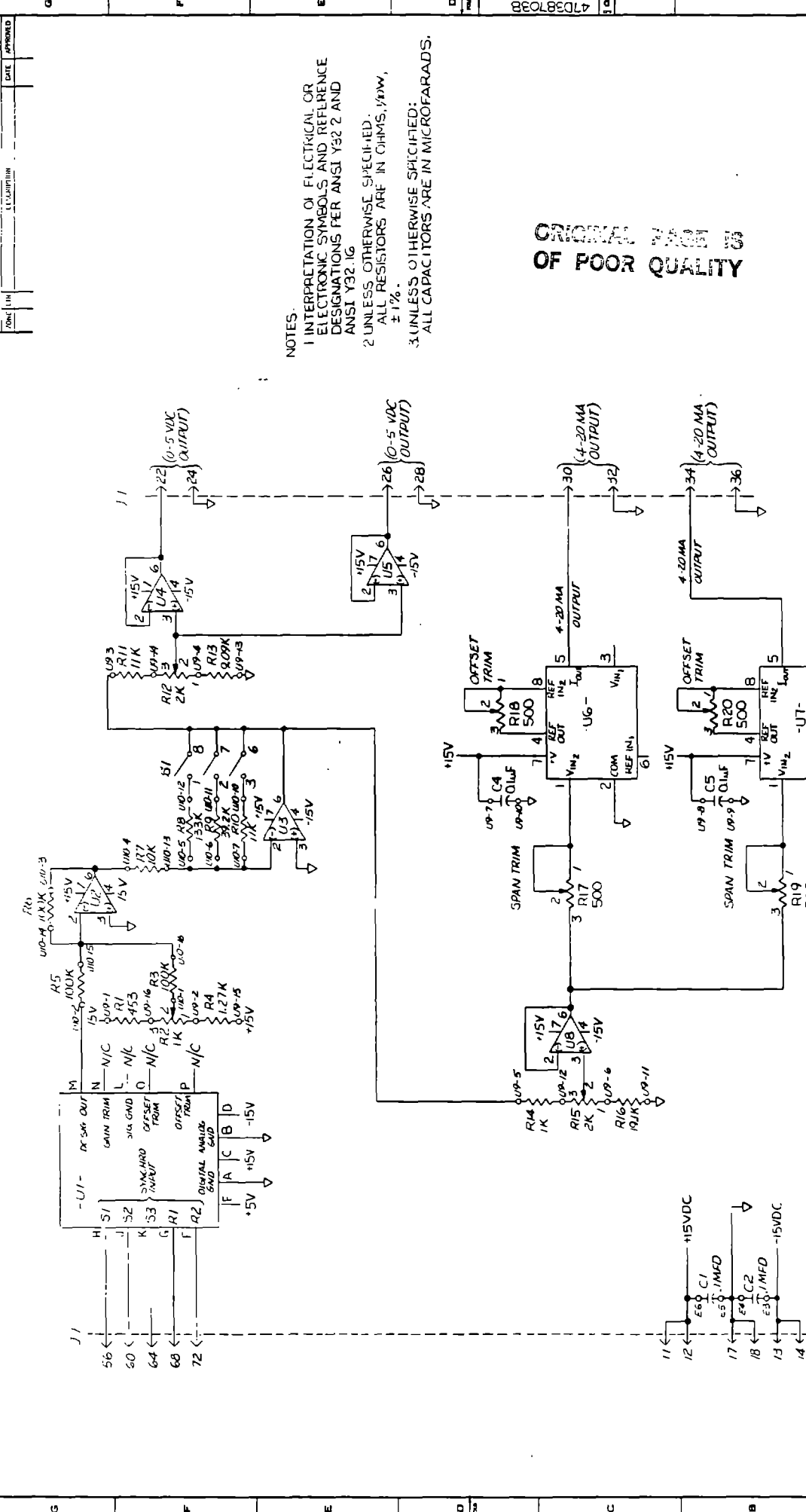
ORIGINAL PARTS OF "POOR QUALITY"

SEE PARTS LIST AND COVER SHEET.

ASSY: SYNCHRO SIGNAL CONDITIONER BOARD

47E387037

(61)



NOTES:
 1. INTERPRETATION OF ELECTRICAL OR ELECTRONIC SYMBOLS AND REFERENCE DESIGNATIONS PER ANSI Y32.2 AND ANSI Y32.16.
 2. UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE IN OHMS, $\frac{1}{2}$ W, $\pm 1\%$.
 3. UNLESS OTHERWISE SPECIFIED, ALL CAPACITORS ARE IN MICROFARADS.

ORIGINAL WORK OF POOR QUALITY

DATE		APPROVED	
REVISIONS			
NO.	DATE	DESCRIPTION	BY
1			
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9			
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11			

GENERAL ELECTRIC
 SCHEMATIC DIAGRAM
 SYNCHRO SIGNAL CONDITIONING
 MOD-5A W15
 47D387038

APPLICATOR: 47D387038
 USED ON: []

- NOTES:
1. DRAWING DIMS AND TOLERANCES PER ANSI 14.5.
 2. WORK TO BE DONE WHILE MOUNTING TO BE DONE IN CONTRASTING COLOR.
 3. ESTIMATED WEIGHT 1000 LBS.
 4. TORQUE REQUIREMENTS PER GE SPEC. 17A380047.

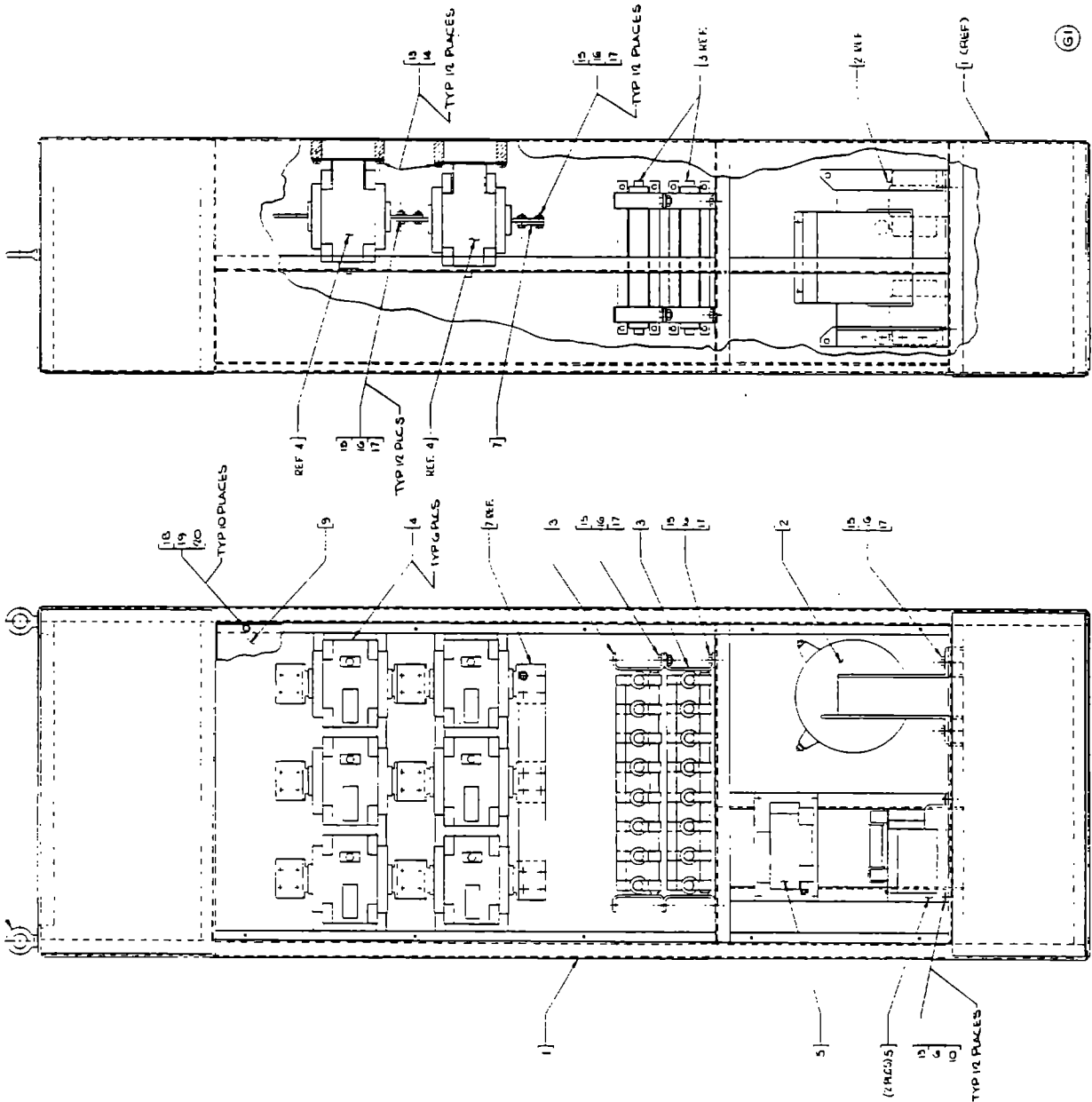
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OF POOR QUALITY

SEE SEPARATE 44 AND 45



REV	DATE	BY	CHKD
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47E387060
47E387060
HIGH VOLTAGE GAGE
ASSEMBLY
47E387060
47E387060



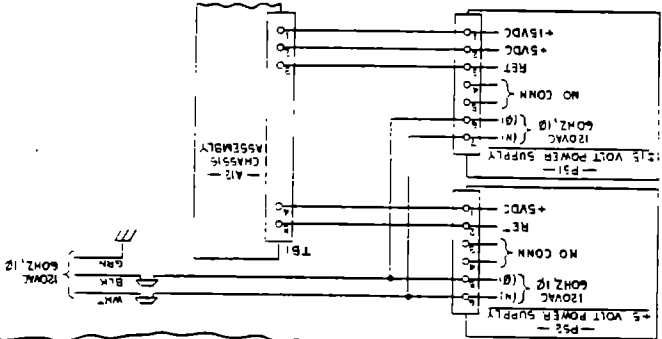
RIGHT SIDE VIEW

FRONT VIEW

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OF POOR QUALITY

NOTES:
1. INTERPRETATION OF ELECTRICAL OR
ELECTRONIC SYMBOLS AND WIRE
DESIGNATIONS PER WWT STD 102 & WWT 102.16.

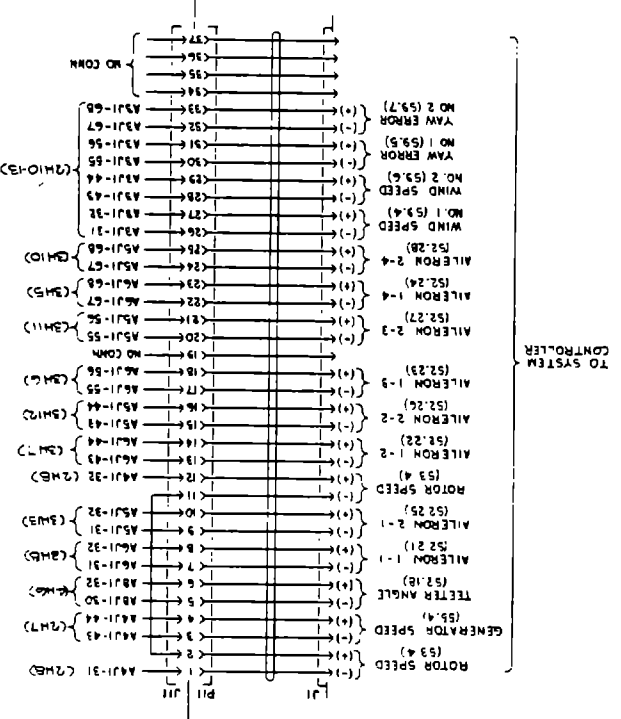
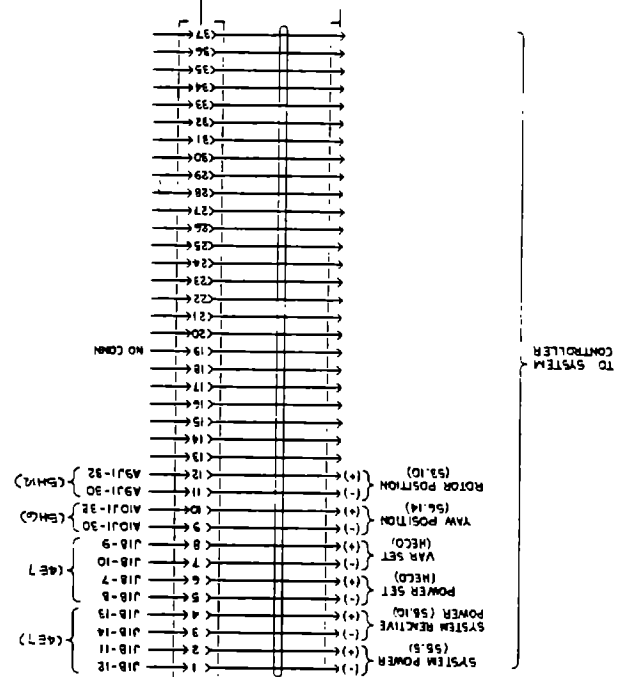
I.T.C. SIGNAL CONDITIONER
MOTHER BOARD



47E3870G1

SCIENTIFIC ELECTRICAL
SIGNAL CONDITIONER PANEL
MOD. GA. WIG.

DATE 1.15.52



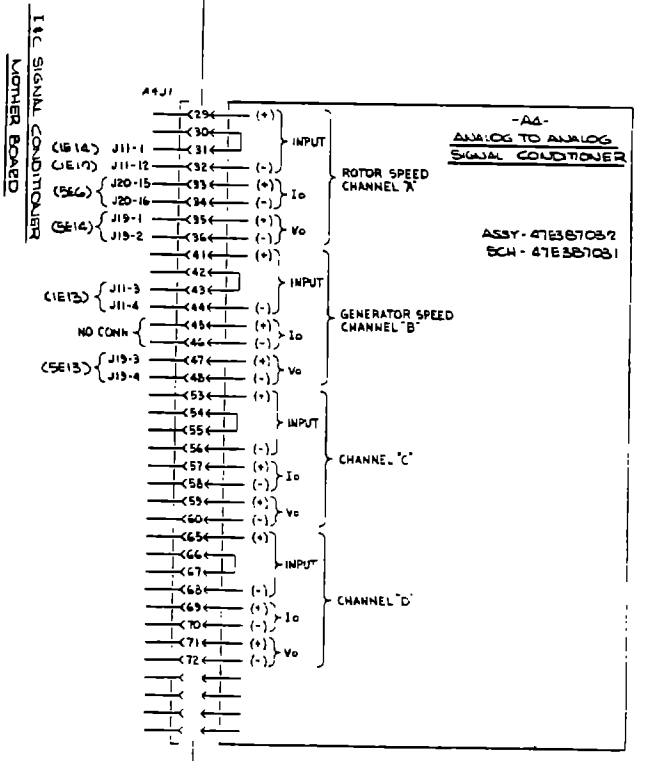
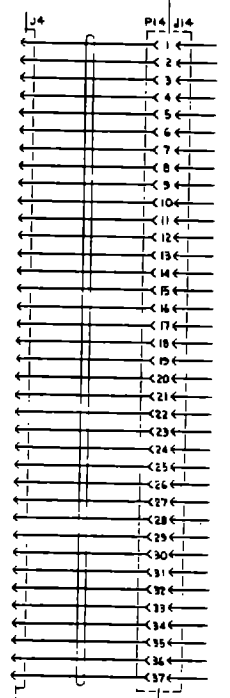
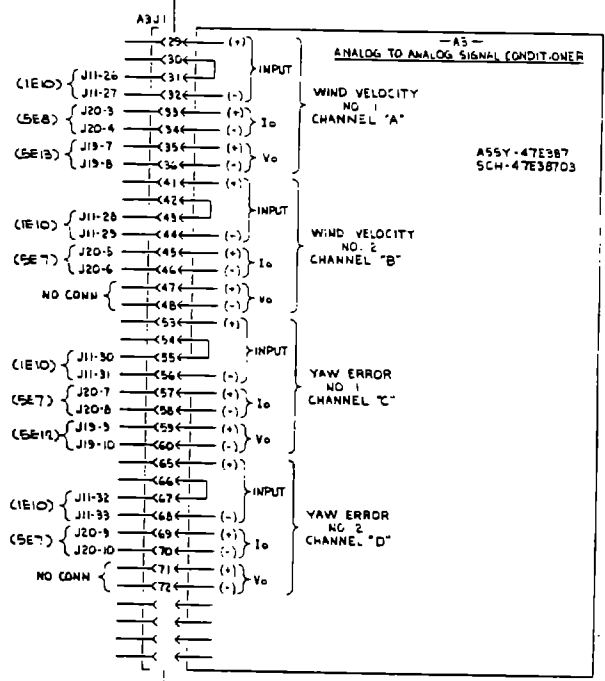
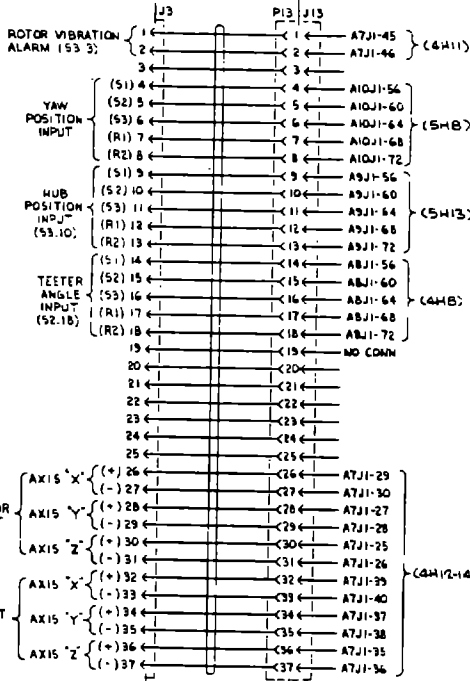
TO SYSTEM CONTROLLER

TO SYSTEM CONTROLLER

- A2 -

- A1 -

TO T84

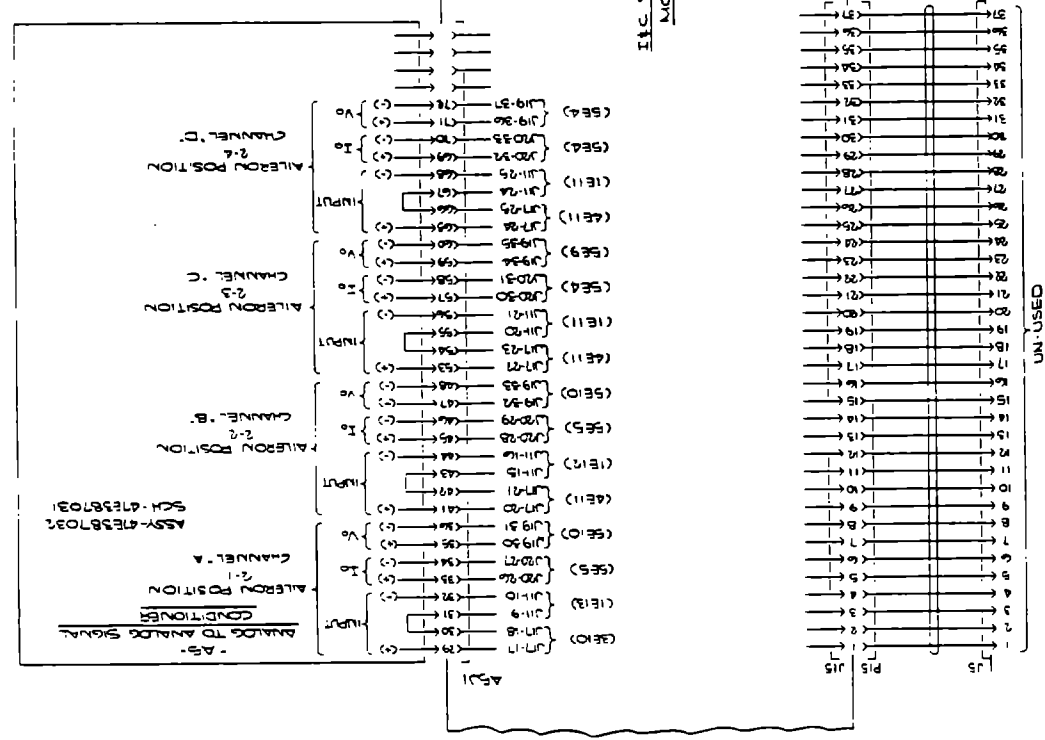
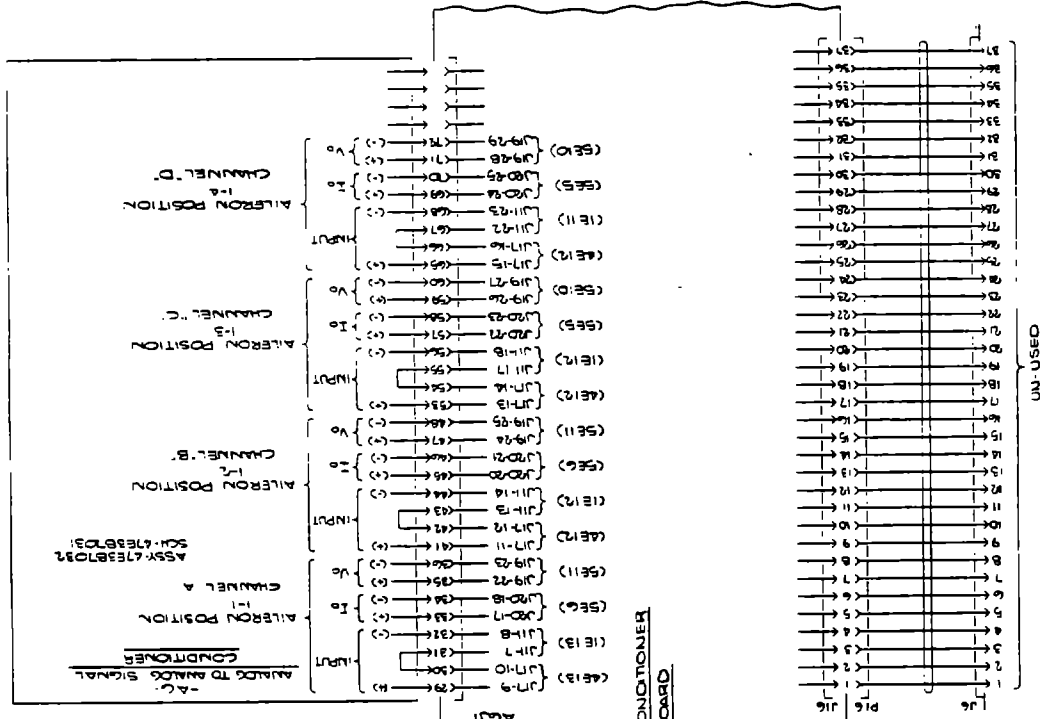


ORIGINAL PAGE IS OF POOR QUALITY

47E387061
 SCHUBERT ELECTRIC
 SIGNAL CONDITIONER PARTS
 NAD - SEA WFG
 47E387061

47E387061

47E387061



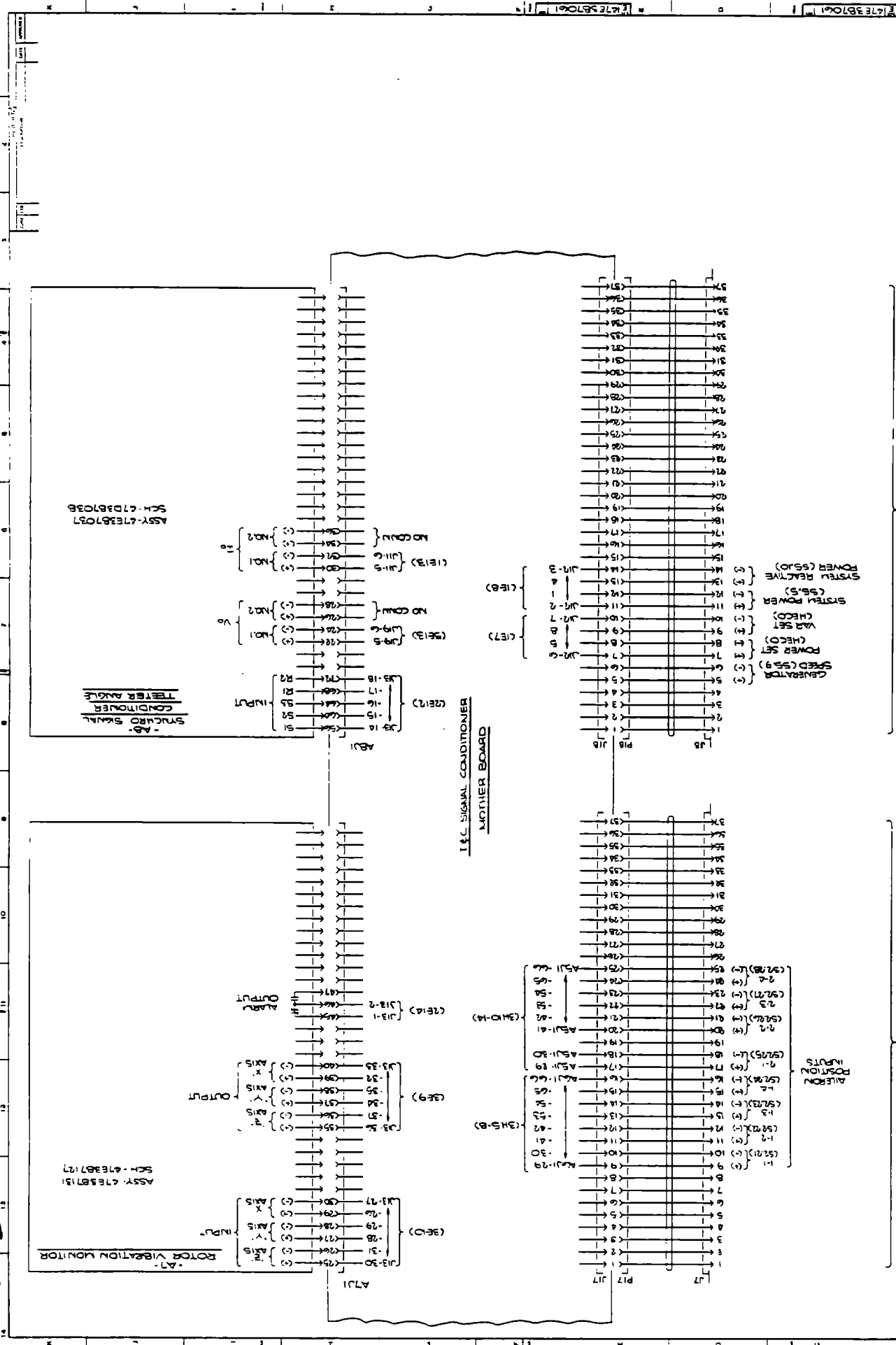
I/C SIGNAL CONDITIONER MOTHER BOARD

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TO TB2

TO TB3



ASSY-47E3B70G1
SCH-47D3B70C3B

ASSY-47E3B71G1
SCH-47E3B71C1B

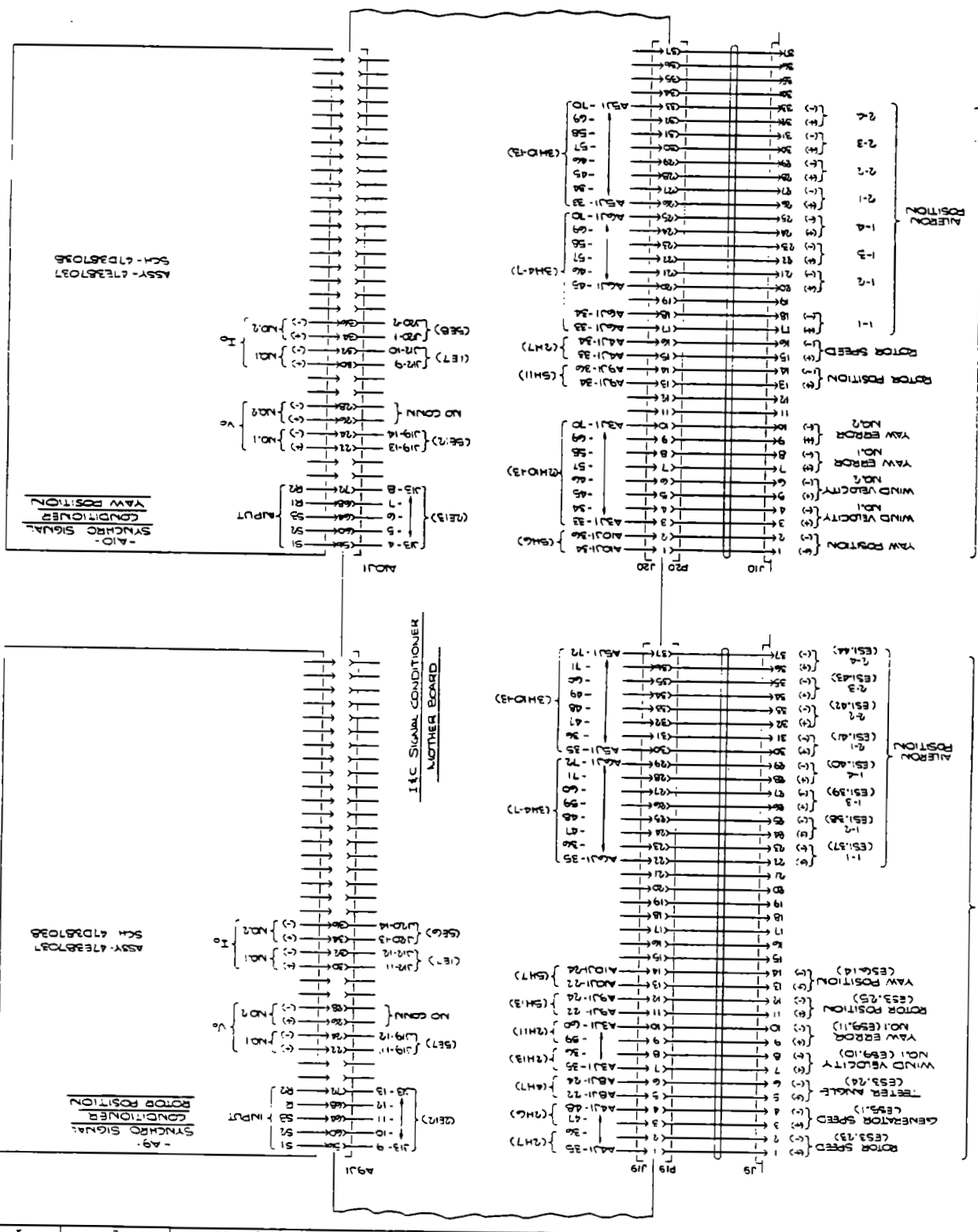
ORIGINAL PAGE IS
OF POOR QUALITY

WTC-512
SCHEMATIC ELECTRICAL
SIGNAL CONDITIONER PANEL
MOD. 5A WTC
47E3B70G1
REV. 10-22-77
DATE

NO.	REV.	DATE	BY	CHKD.
1				
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OUTPUT TO
PMT DISPLAY
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EIS
(TBS)

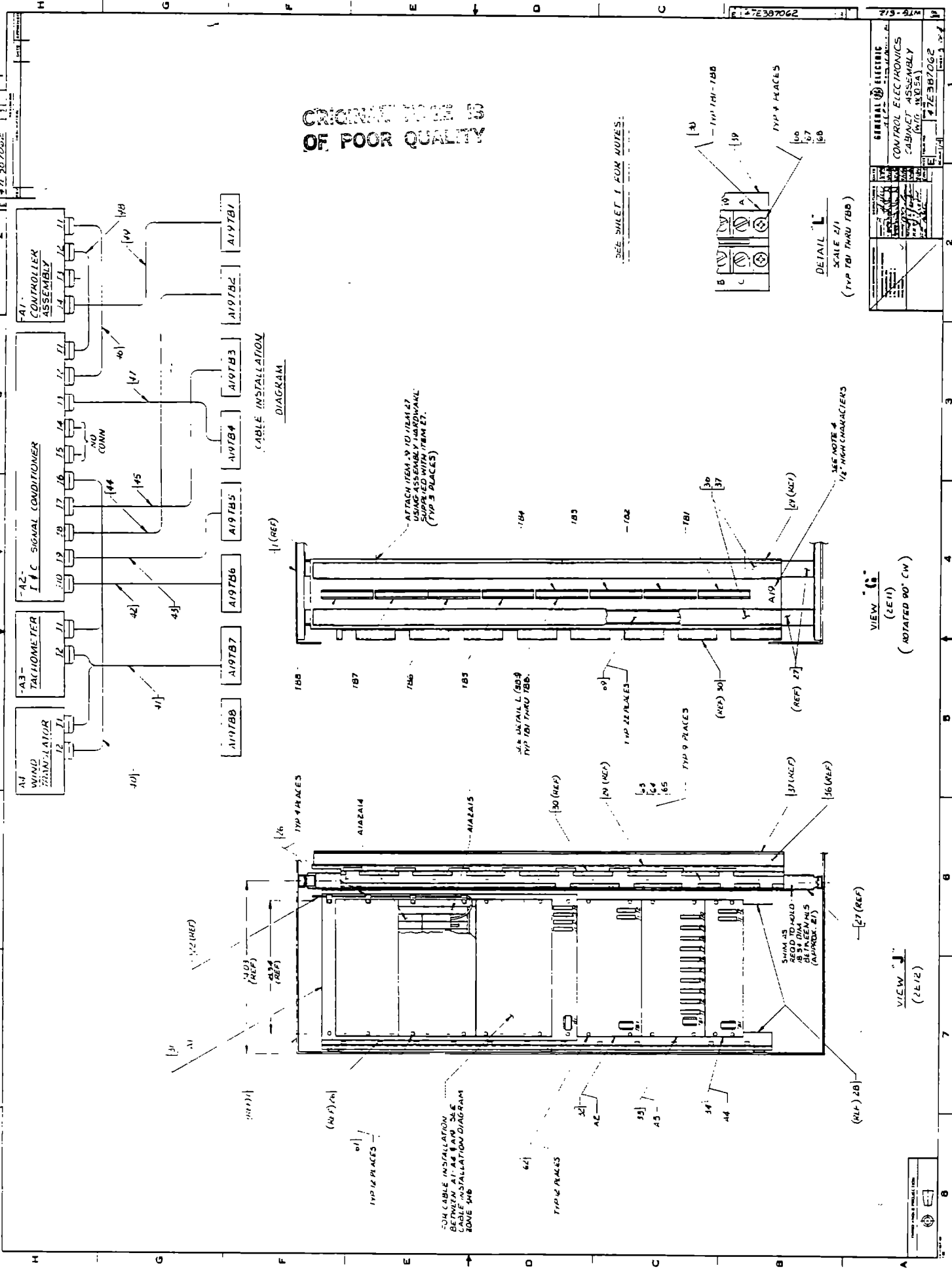


CRITICAL TO THE
OF POOR QUALITY

SEE SHEET 1 FOR NOTES

DETAIL 'L'
SCALE 2/1
(TYP TBI THRU TBB)

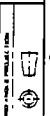
GENERAL ELECTRIC
CONTROL ELECTRONICS
CABINET ASSEMBLY
PART NO. 47E3B7062

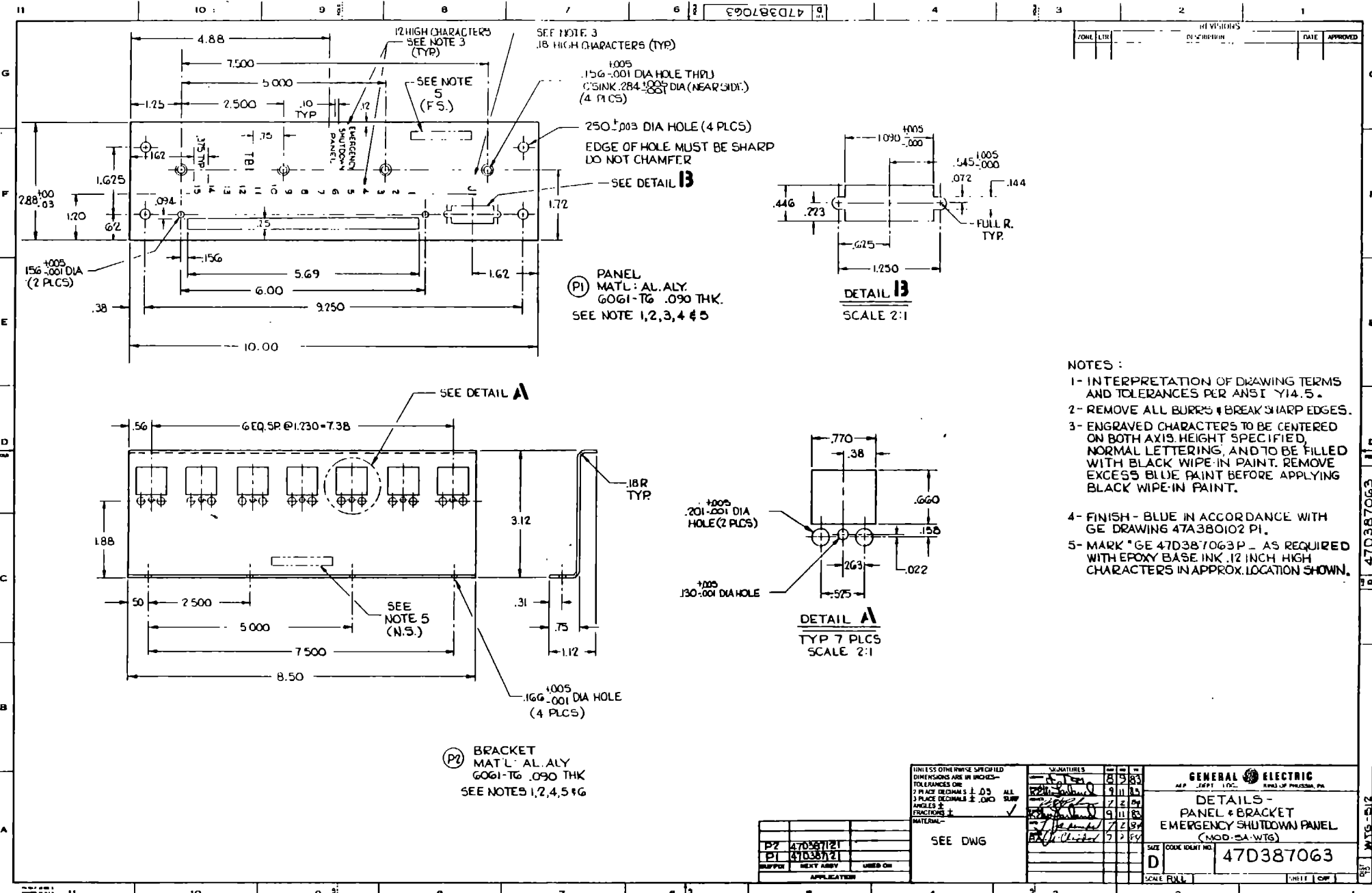


VIEW 'G'
(2E/1)
(ROTATED 90° CW)

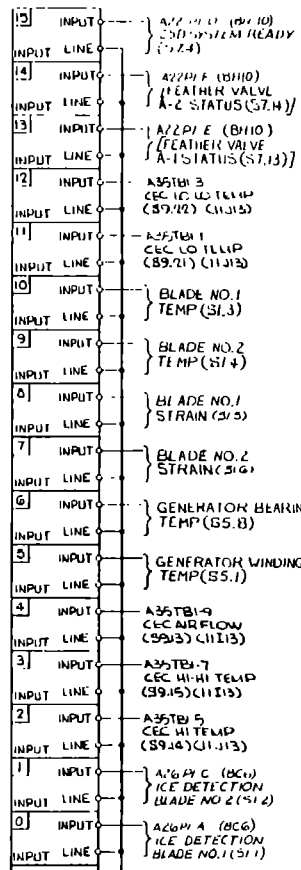
VIEW 'J'
(2E/2)

DETAIL 'L'
SCALE 2/1
(TYP TBI THRU TBB)

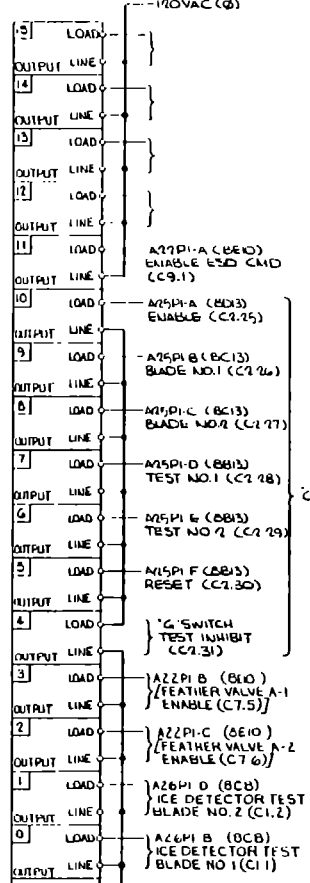




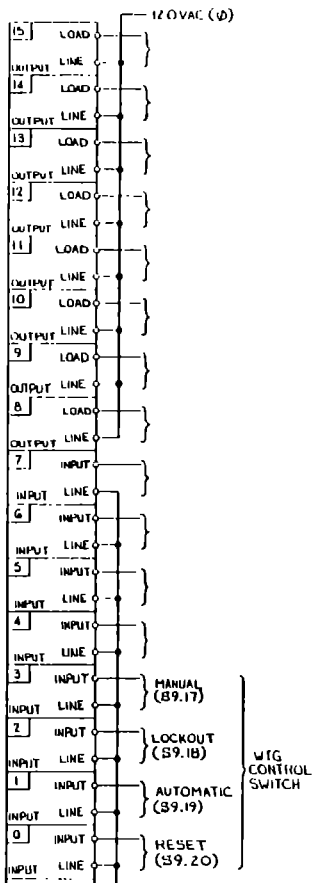
-A10-
EPTAK I/O TRACK *0



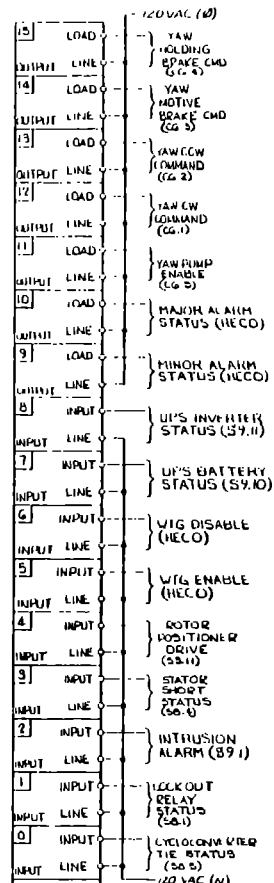
-A11-
EPTAK I/O TRACK *1



-A12-
EPTAK I/O TRACK *2



-A13-
EPTAK I/O TRACK *3



'G' SWITCH TEST & RESET

WIG CONTROL SWITCH

ORIGINAL PAGE IS
OF POOR QUALITY

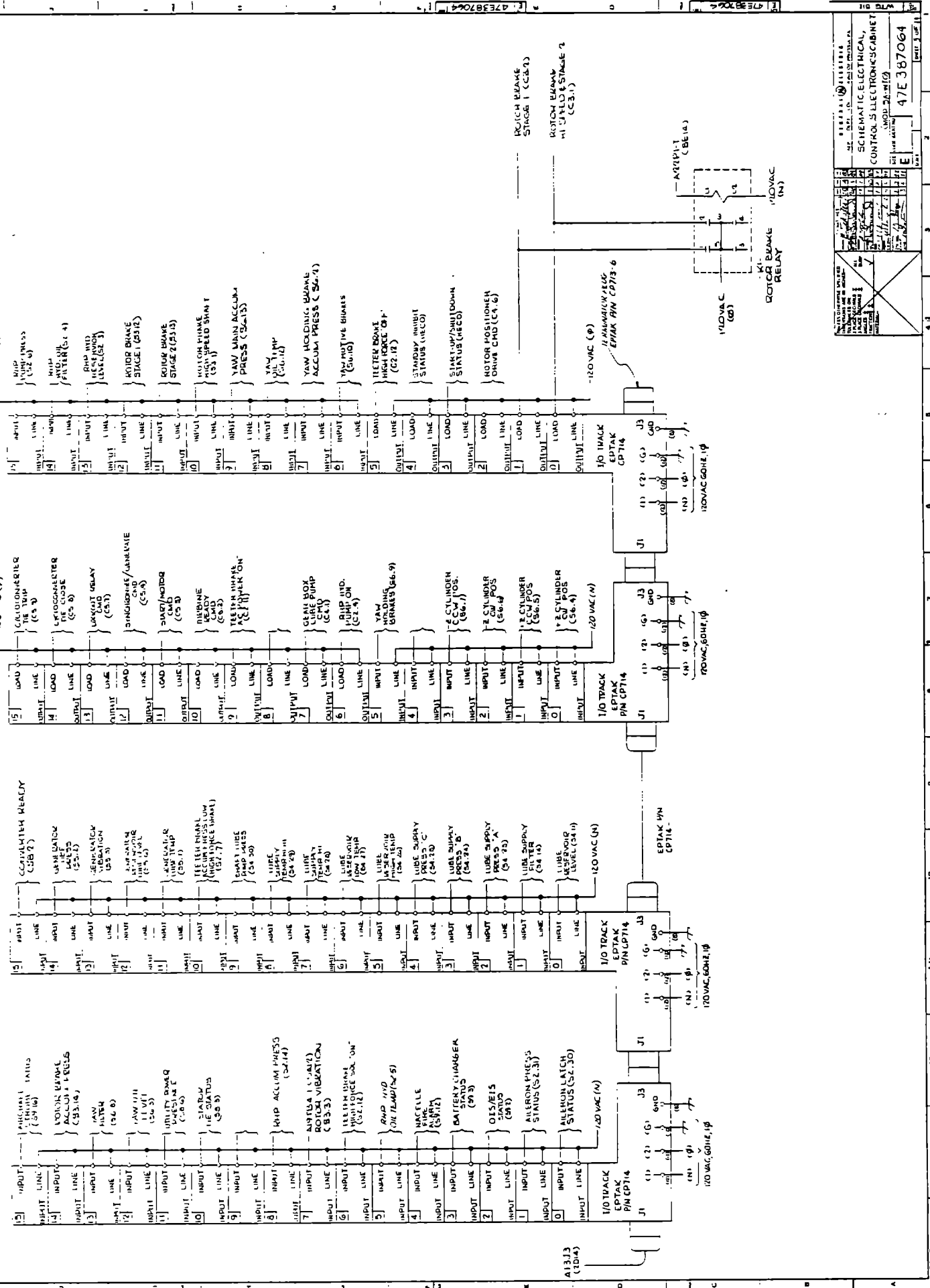
<p>THIS DRAWING IS UNCLASSIFIED DATE 10/15/01 BY 60322 UCBAW/SJS</p>		<p>GENERAL ELECTRIC SCHEMATIC ELECTRICAL, CONTROL SYSTEMS ELECTRONICS CABINET (MOD SA 410)</p>	
<p>DATE: 10/15/01</p>		<p>47E387064</p>	

A14 -
EPTAK I/O TRACK # 4

A15 -
EPTAK I/O TRACK # 5

A16 -
EPTAK I/O TRACK # 5

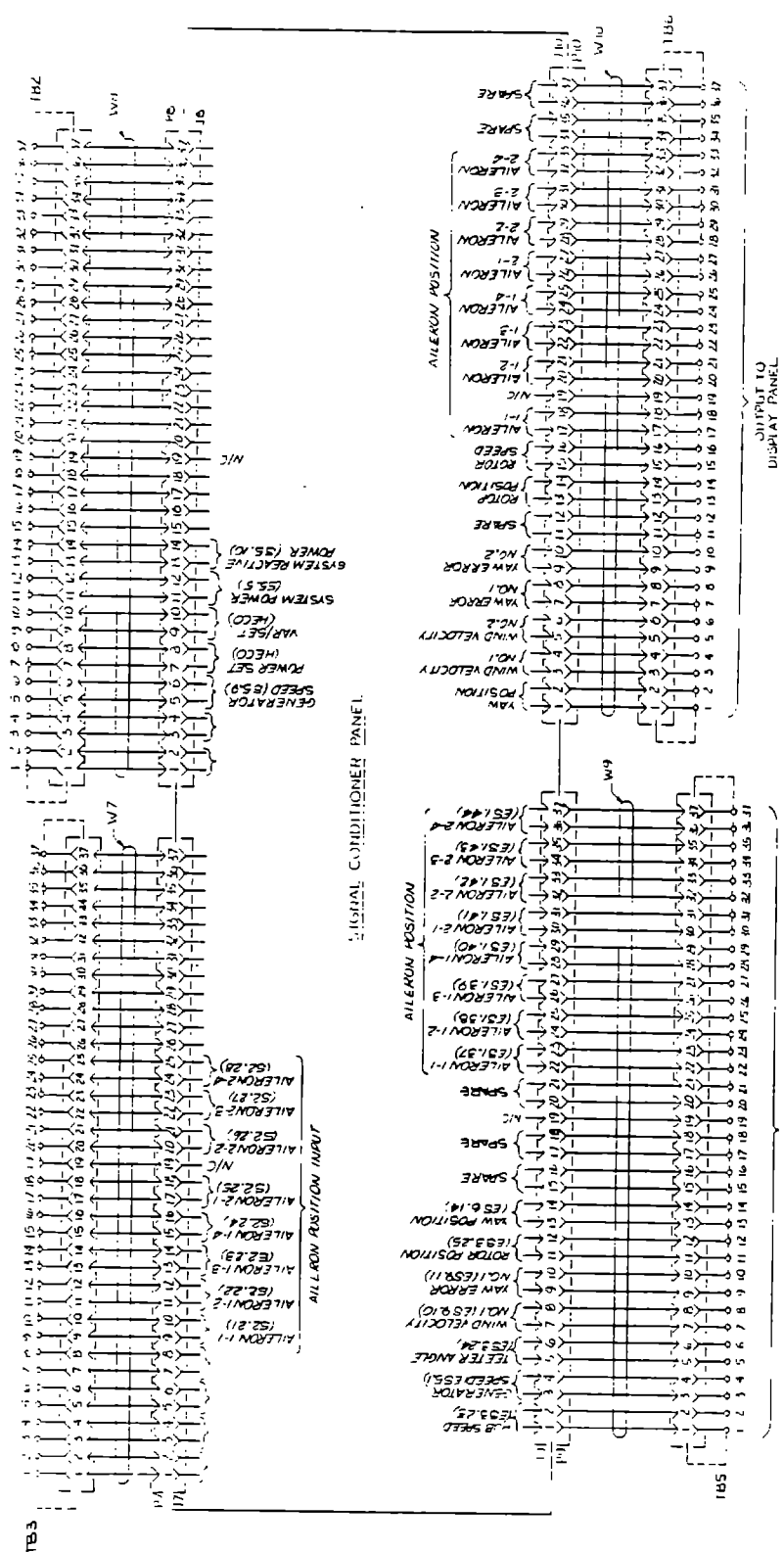
A17 -
EPTAK I/O TRACK # 6



NO.	REV.	DATE	BY	CHKD.	APP'D.	DESCRIPTION
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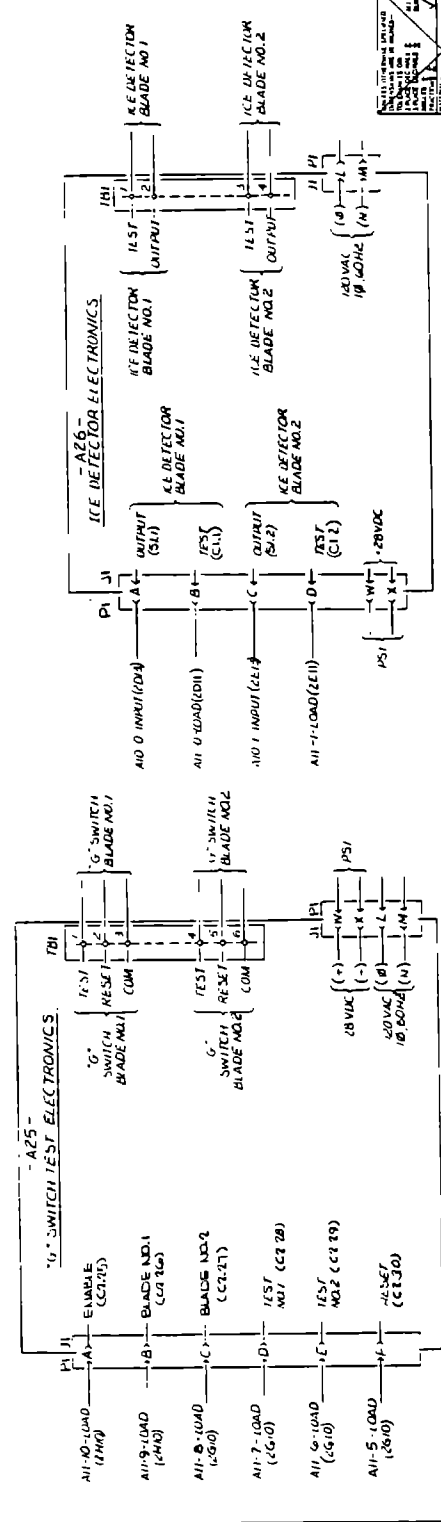
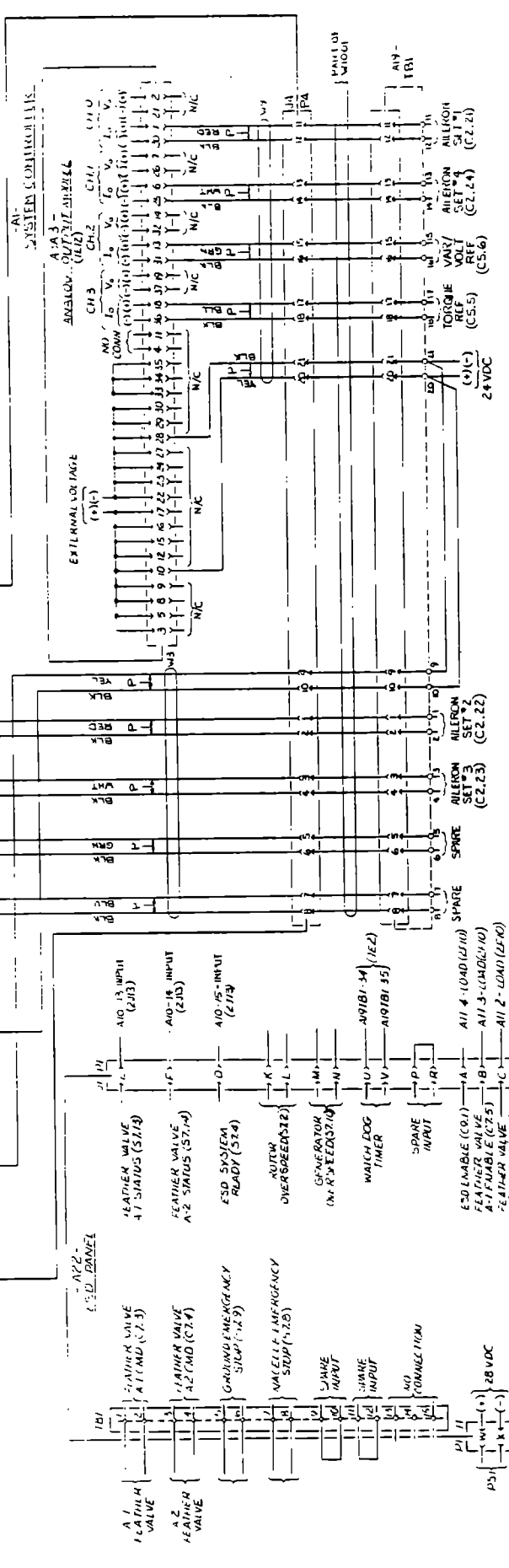
SCHEMATIC ELECTRICAL
CONTROL SYSTEM ELECTRONIC CABINET
MOD. 20-4103
DATE: 11/11/64
47E387064

ORIGINAL PAGE IS
OF POOR QUALITY



GENERAL ELECTRIC
 GEOMETRIC ELECTRONIC
 GEOMETRIC ELECTRONIC CABINET
 (4) 100-5 ELECTRONIC CABINET
 (1) 100-5A KIT
 17E 5 270064
 17E 5 270064
 17E 5 270064

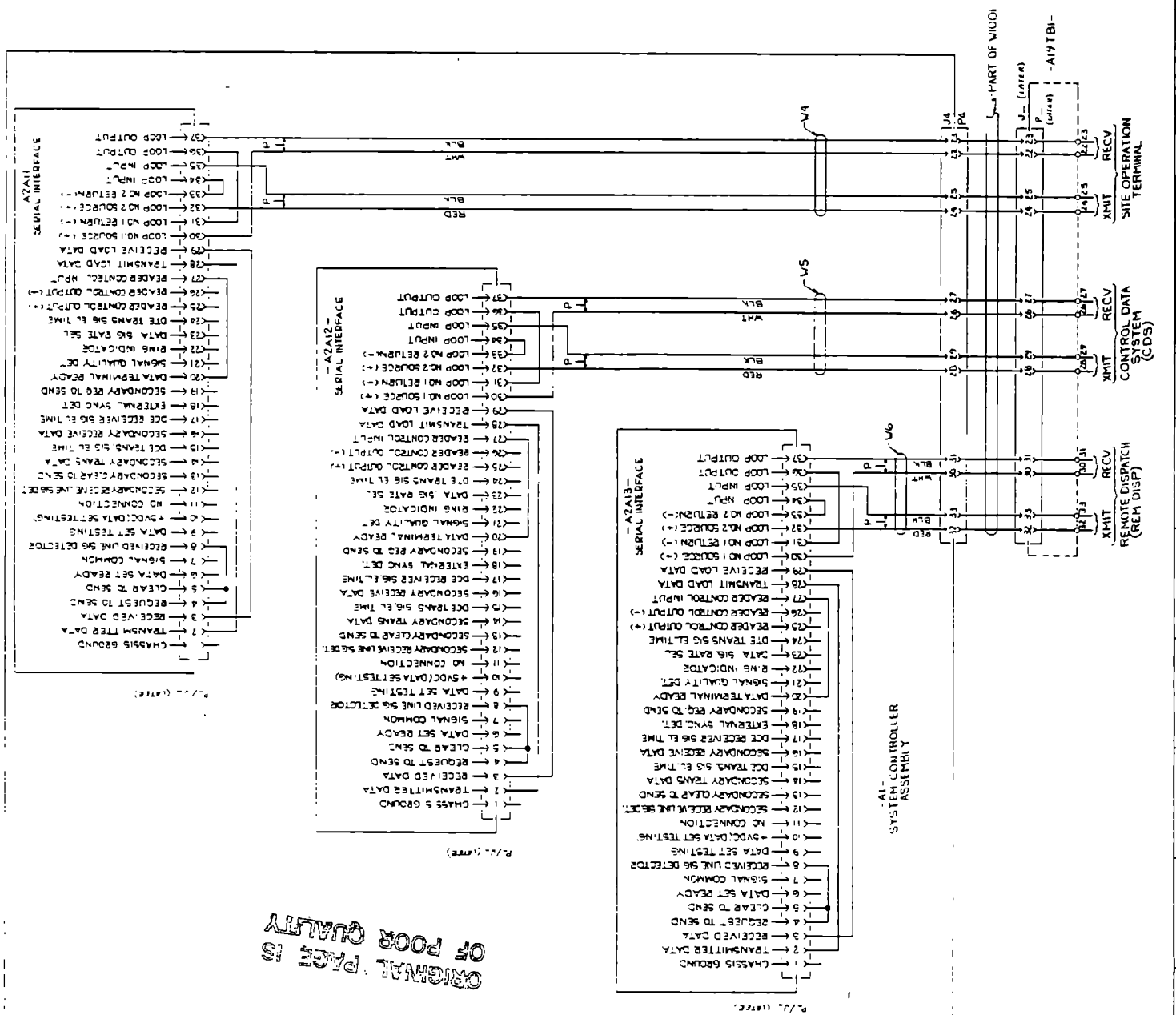
ORIGINAL PAGE IS
OF POOR QUALITY



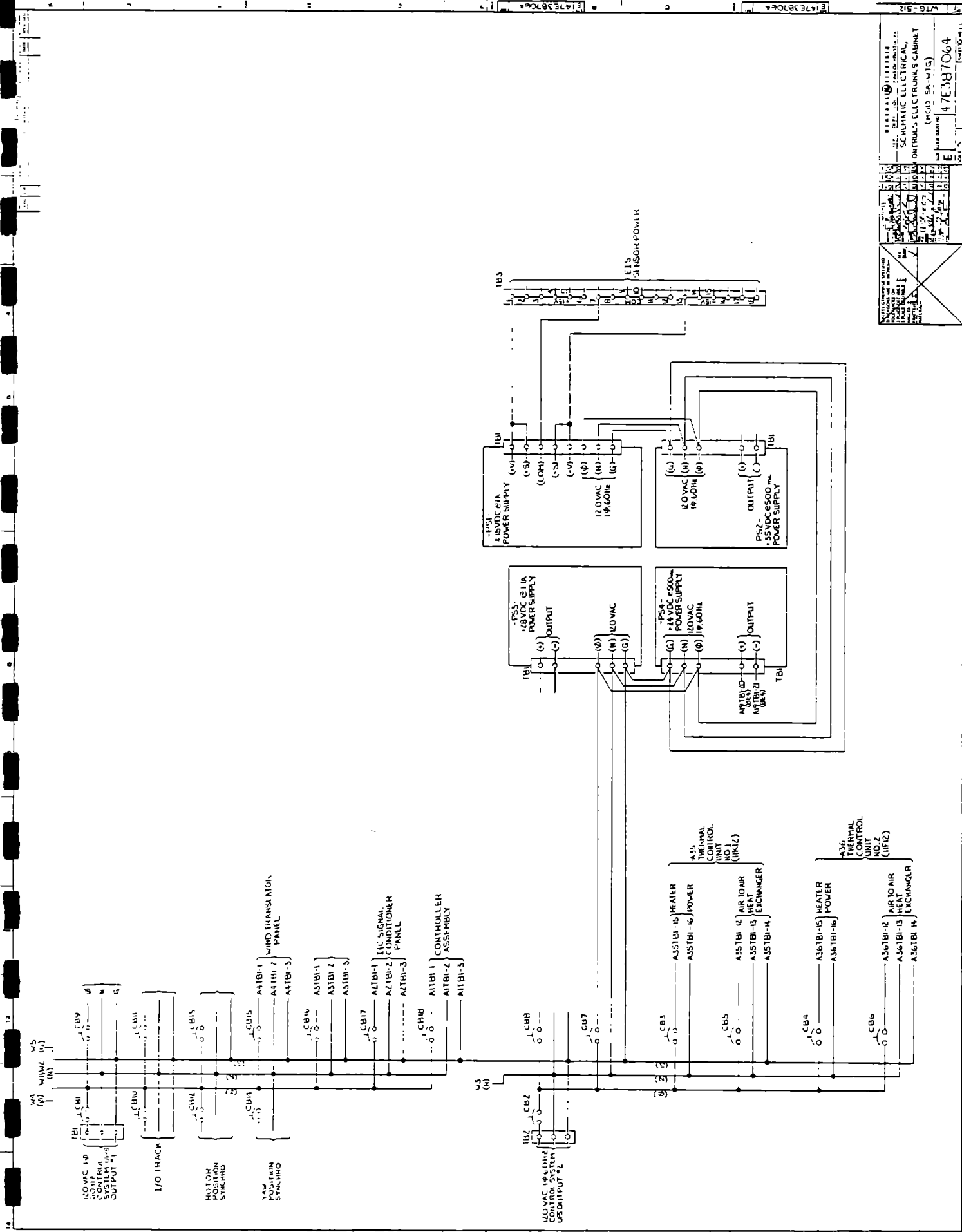
47E 387064 CONTRACTS (MOD 54 W/G)	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

47E 387064
 CONTRACTS (MOD 54 W/G)

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OF POOR QUALITY

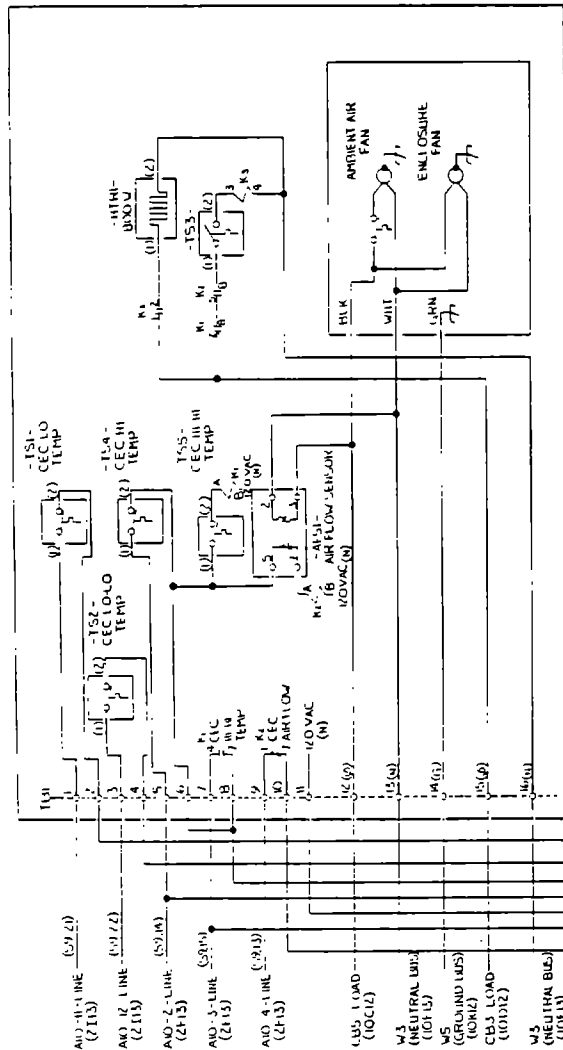


SCHEMATIC ELECTRICAL CONTROLS ELECTRONICS CABINET (PART 2A W100)	
47E387064	
Rev. 10/64	
E	
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 08-14-2010 BY 60322 UNCLAS	

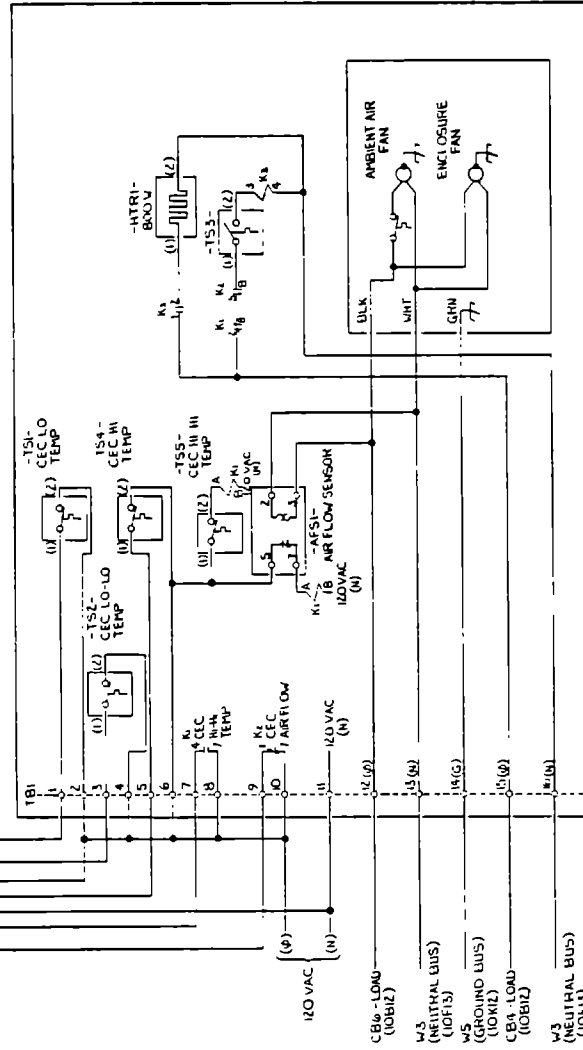


47E387064
 SCHEMATIC ELECTRICAL
 CONTROL ELECTRONICS CABINET
 (MOD 5A-WIG)
 47E387064

A35
THERMAL CONTROL UNIT NO.1



A36
THERMAL CONTROL UNIT NO.2



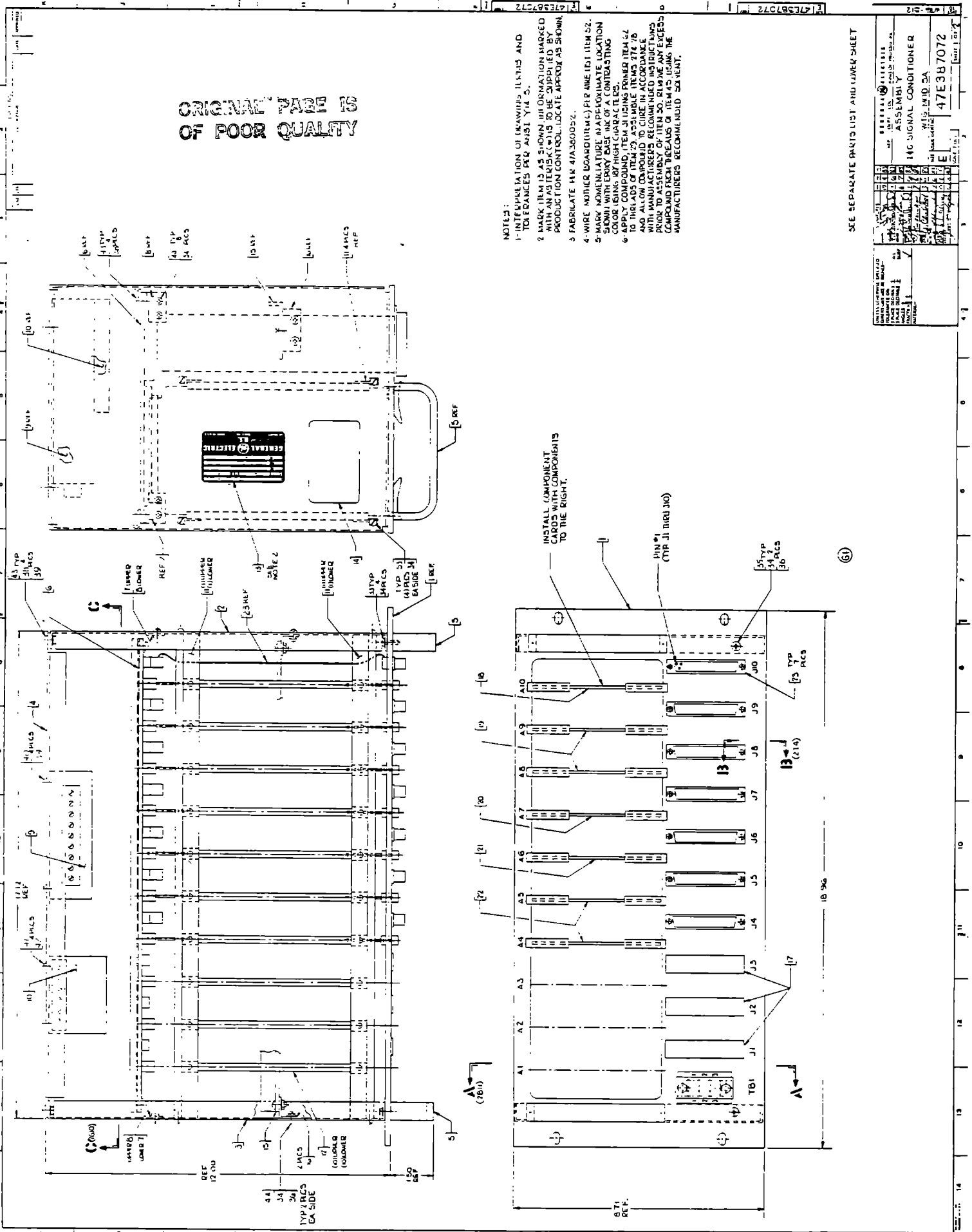
SCIENTIFIC ELECTRONIC CONTROLS ELECTRONICS CABINET (MOD. 3A MTG) 47E38706.4

ORIGINAL PAGE IS
OF POOR QUALITY

- NOTES:
- 1-INTERPRETATION OF DIMENSIONS, TOLERANCES AND TOLERANCES PER ANSI Y14.5.
 - 2-MARK ITEM AS SHOWN INFORMATION MARKED WITH AN ASTERISK (*) IS TO BE SUPPLIED BY PRODUCTION CONTROL. LOCATE APPROX AS SHOWN.
 - 3-FABRICATE PER 47A387072.
 - 4-WIRE NUMBER BOARD (ITEM 4) PER WIRE LIST ITEM 52.
 - 5-PAK MANUFACTURE, APPROXIMATE LOCATION TO BE DETERMINED BY COLOR CONTRASTING COLOR MARKING BY HIGH CONTRASTING COLOR.
 - 6-APPLY COMPOUND, ITEM JI USING FORMER ITEM 54 TO INLADS OF ITEM 23. APPLICABLE ITEMS 27 & 76 AND ALLOW COMPOUND TO CURE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDED INSTRUCTIONS TO AVOID DAMAGE TO ITEM 50. REMOVE ANY EXCESS COMPOUND FROM SURFACE OF ITEM 50 USING THE MANUFACTURERS RECOMMENDED SOLVENT.

SEE SEPARATE PARTS LIST AND LOWER SHEET

GENERAL ELECTRIC		ASSEMBLY	
14C SIGNAL CONDITIONER		WIS. MD. 2A	
47E387072		47E387072	
REV. 1		REV. 1	

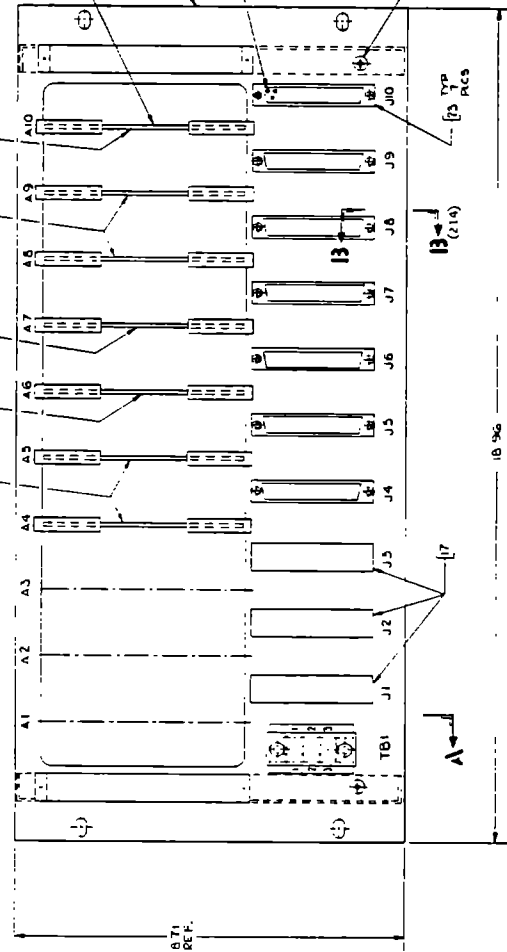


INSTALL COMPONENT CARDS WITH COMPONENTS TO THE RIGHT.

PIN #1 (TOP JI INRD J10)

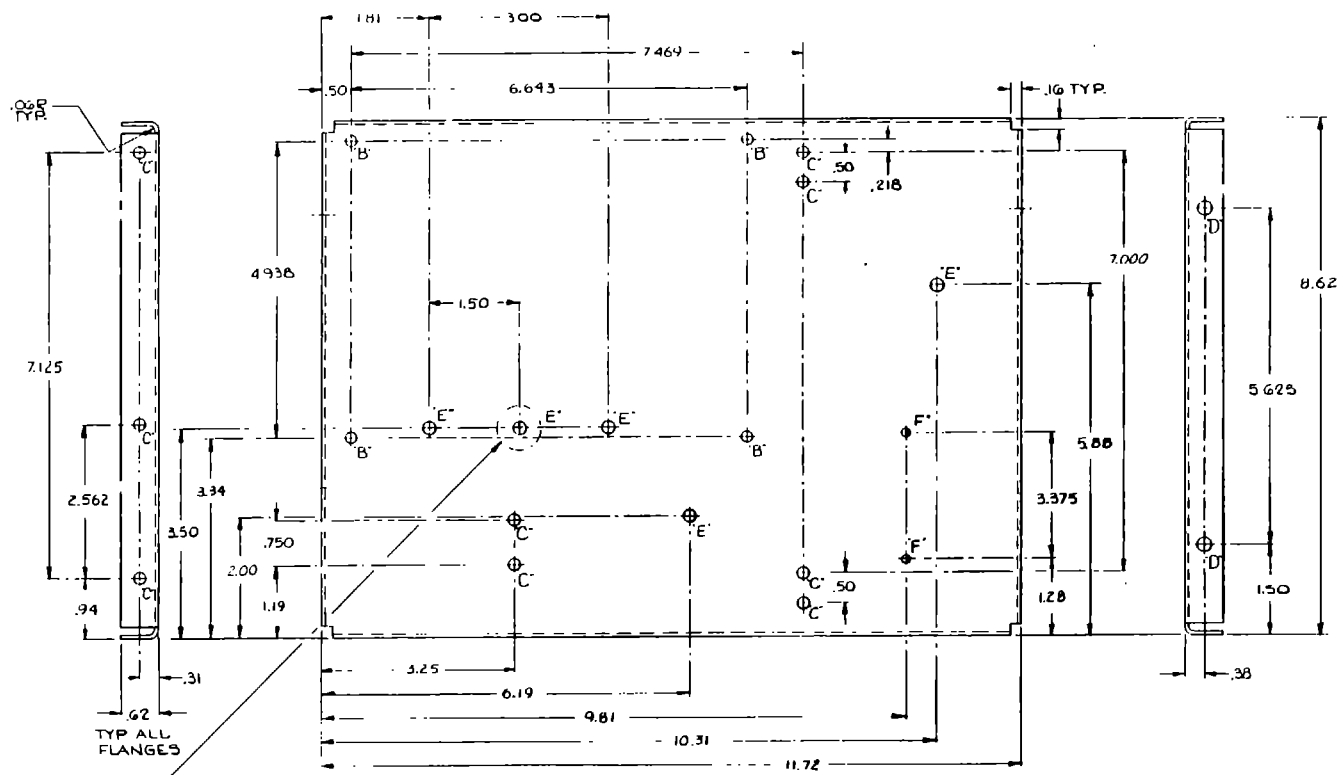
55 TYP 34 TYP 36 RGS

(6)



47D387074

ZONE	LINE	DESCRIPTION	DATE	APPROVED



- NOTES:
- 1- INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 - 2- REMOVE ALL BURRS AND BREAK SHARP EDGES.
 - 3- MARK "GE 47D387074 P-1" WITH EPOXY BASE INK .12 INCH HIGH CHARACTERS.
 - 4- FINISH: BLUE IN ACCORDANCE WITH GE DRAWING 47A380102P1.

MASK AREA 75 DIA. AROUND HOLE ON INSIDE SURFACE ONLY. MASKED AREA TO HAVE PRELIMINARY TREATMENT ONLY.

PART NO.	HAND	"B" DIA HOLE	"C" DIA HOLE	"D" DIA HOLE	"E" DIA HOLE	"F" DIA HOLE
1	AS SHOWN	.187 ±.005	.196 ±.005	.221 ±.005	OMIT	OMIT
2	OPPOSITE OF P-1	(4) REQ'D.	(9) REQ'D.	(2) REQ'D.	204 ±.005 (5) REQ'D.	144 ±.005 (2) REQ'D.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES -
 101 PLACES OR 1.05 ALL SURF
 3 PLACE DECIMALS ± .010
 ANGLES ± 1/2°
 FRACTIONS ± 1/32"
 MATERIAL -

GOGI-TG AL ALY
 .063 THK STOCK

SIGNATURES	DATE	NO.
<i>[Signature]</i>	1	583
<i>[Signature]</i>	2	583
<i>[Signature]</i>	3	783
<i>[Signature]</i>	4	583
<i>[Signature]</i>	5	583
<i>[Signature]</i>	6	583
<i>[Signature]</i>	7	583
<i>[Signature]</i>	8	583
<i>[Signature]</i>	9	583

GENERAL ELECTRIC
 ALP DEPT. LOC. RAND OF PHILADELPHIA, PA.

SIDE PANEL
 I/C SIGNAL CONDITIONER PANEL
 (MOD-5A WTS)

SIZE CODE IDENT NO
47D387074

DATE: 11/1/52 SHEET 1 OF 1

PT	DATE	MOD-5A
P7	47E 387072	MOD-5A
P1	47E 387072	MOD-5A

APPLICATION: NEXT ARMY USED ON

47D387074

P8 WTS-512

5

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FOLD ↓

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SIZE B

47B387076

SHEET 1 of 1

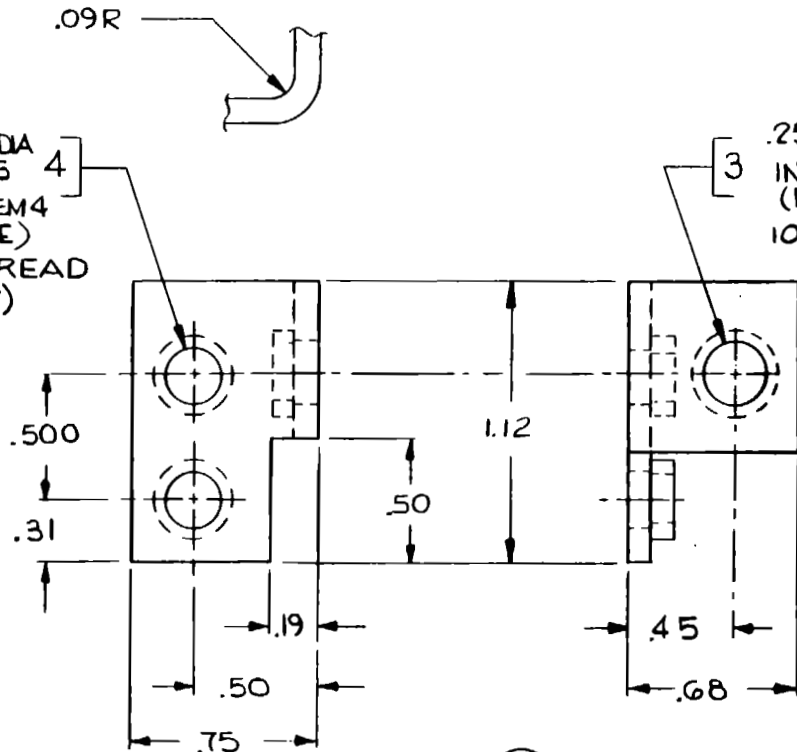
REV

REVISIONS

ZONL	I.T.R.	DESCRIPTION	DATE	APPROVED

+003
 .213 -.000 DIA
 2 HOLES
 4
 INSTALL ITEM 4
 (FAR SIDE)
 8-32 THREAD
 (REF)

+003
 .250 -.000 DIA HL.
 3
 INSTALL ITEM 3
 (FAR SIDE)
 10-32 THREAD
 (REF)



(P1) AS SHOWN
 (P2) OPP. HAND
 MAT'L:
 FOR BOTH ITEMS
 6061-T6 AL. ALY
 .090 THK STOCK

(G1) AS SHOWN
 (G2) OPP. HAND

NOTES :

- 1- INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
- 2- REMOVE ALL BURRS & BREAK SHARP EDGES.
- 3- MARK "GE47B387076G - " WITH EPOXY BASE INK.
- 4- FINISH: BLUE IN ACCORDANCE WITH GE DRAWING 47A38010.2 P1. DO NOT APPLY PAINT OR PRIMER TO THREADS.

SEE SEPARATE PARTS LIST AND COVER SHEET.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: FRACTIONS DECIMALS ANGLES $\pm .XX \pm .02 \pm$ $.XXX \pm .010$ ALL SURFACES	SIGNATURES			DAY	MO	YR	GENERAL ELECTRIC AEP - DEPT LOC - KING OF PRUSSIA, PA MTG. BRKT. CIRCUIT BOARD (MOD-5A-WTG)
	DRAWN			2	3	83	
	ISSUED			24	5	83	
	MFG			7	6	83	
MAT'L: SEE DWG.							SIZE CODE IDENT NO. B 47B387076
SCALE 2:1						SHEET 1 of 1	

FIGURE 1 (3-81) PRINTED IN U.S.A.

WTG-512

5

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FOLD ↓

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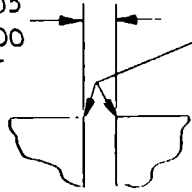
2

SIZE B 47B387078 SHEET 1 OF 1 REV

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

.06 ⁺⁰³/₋₀₀
SLOT

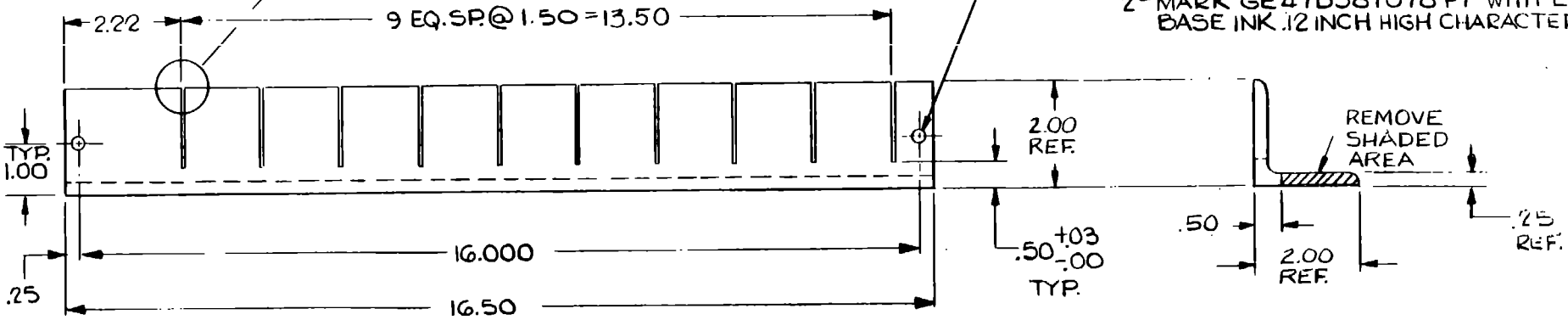
BREAK SHARP CORNERS



TYP. 10 PLCS

250 ⁺⁰⁰⁵/₋₀₀₁
DIA. HL.
2 PLCS

NOTES:
 1- INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 2- MARK "GE 47B387078 PI" WITH EPOXY BASE INK .12 INCH HIGH CHARACTERS.



MAT'L:
 PVC-1120(12454-B)
 TYPE I
 ANSL/ASTM D-1784-78

PI

PI	47E387072	MOD-5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:			
FRACTIONS	DECIMALS	ANGLES	
±	±.03	±	
	±.010		
ALL SURFACES			
MATL.			
	SEE DWG.		

SIGNATURES			
	DAY	MO	YR

GENERAL ELECTRIC
 AEP DEPT LOC. KING OF PRUSSIA, PA.

SUPPORT STRIP,
 RIBBON CABLE
 (MOD-5A WTG)

SIZE	CODE IDENT NO.	47B387078
B		
SCALE	HALF	
		SHEET 1 OF 1

5

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PRINTED IN U.S.A.

WTE-512

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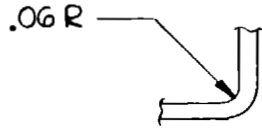
SIZE B 47B387079

SHEET 1 OF 1

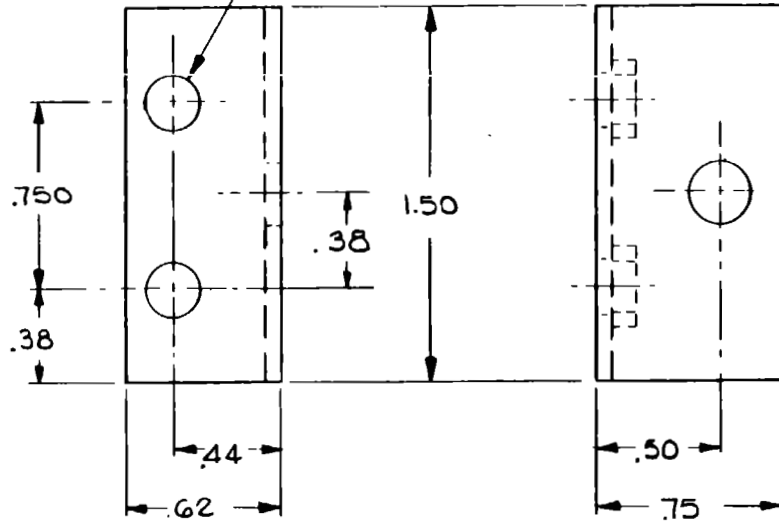
REV

REVISIONS

ZONE	LIR	DESCRIPTION	DATE	APPROVED



.196 $\begin{smallmatrix} +.005 \\ -.001 \end{smallmatrix}$ DIA
THRU (TYP. 3 PLCS)



(PI)

NOTES:

- 1- INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
- 2- REMOVE ALL BURRS & BREAK SHARP EDGES.
- 3- MARK "GE 47B387079PI" WITH EPOXY BASE INK.
- 4- FINISH: BLUE IN ACCORDANCE WITH G.E. DWG. 47A380102 PI.

FORM 1 (3-62) PRINTED IN U.S.A.

PI	47E387072	MOD-5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

FORM 11148 (8-67)

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:

FRACTIONS DECIMALS ANGLES
 $\pm .XX \pm .02 \pm$
 $XXX \pm .010 \text{ } \checkmark$

ALL SURFACES

MATERIAL

G061-TG
AL ALY
.063 THK.

SIGNATURES

DRAWN	DAY	MO	YR
<i>[Signature]</i>	4	3	83
<i>[Signature]</i>	4	5	83
<i>[Signature]</i>	8	6	83
<i>[Signature]</i>	2	5	83
<i>[Signature]</i>	7	6	83
<i>[Signature]</i>	3	6	83

GENERAL ELECTRIC
AEP -DFPT LOC KING OF PRUSSIA, PA

MOUNTING BRACKET,
SUPPORT STRIP
(MOD-5A-WTG)

SIZE CODE IDENT NO.

B

47B387079

SCALE 2:1

SHEET 1 OF 1

5

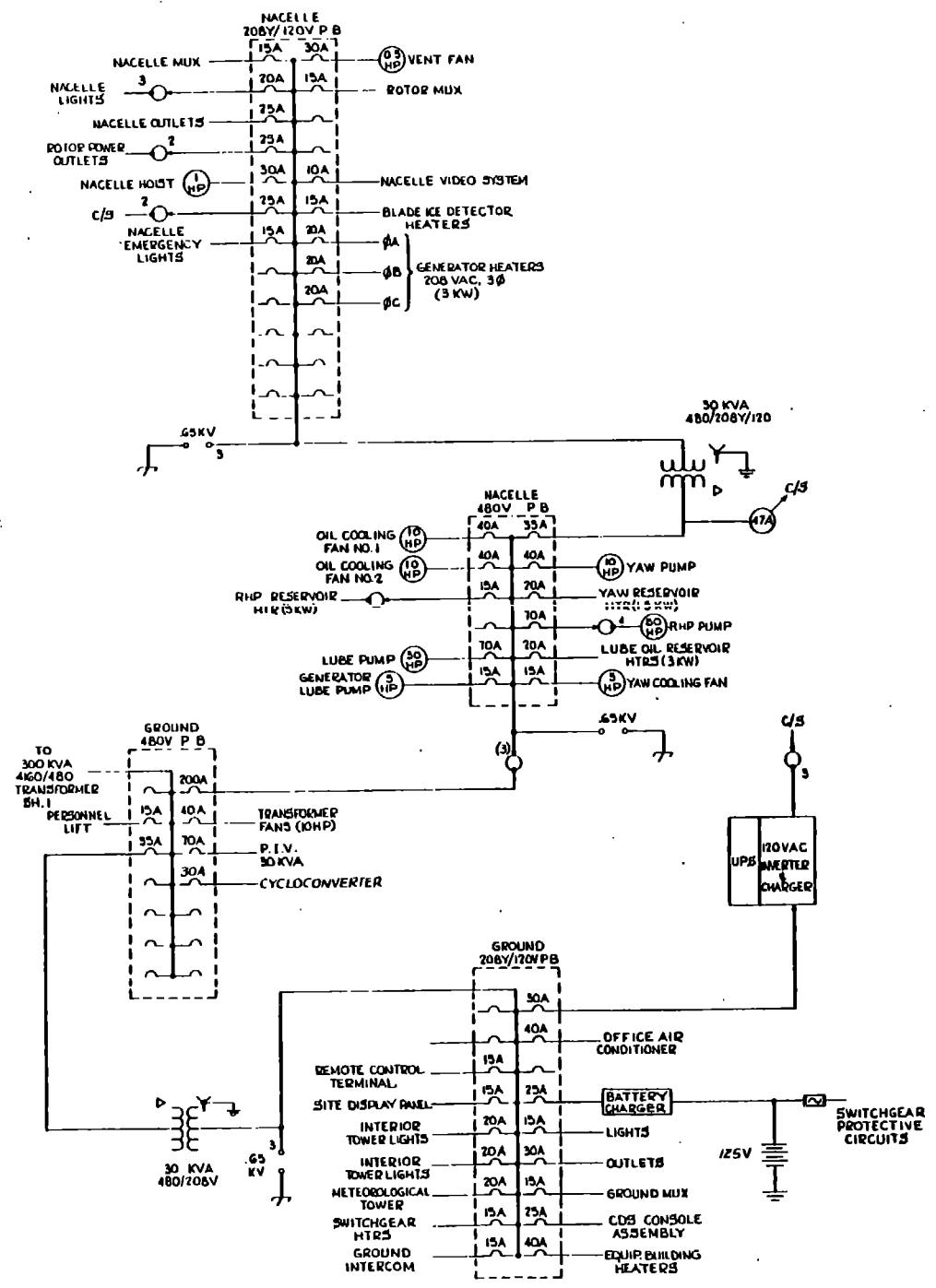
4

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DIST. TO WTS-512



LEGEND

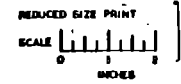
DEVICE TYPE	DESCRIPTION
25 GES	SYNCHRONISE CHECK DEVICE
36 IRT51	BEARING PROTECTIVE DEVICE
47 NVB11	PHASE SEQUENCE VOLTAGE RELAY
49 IRT51	MACHINE OR TRANSFORMER THERMAL RELAY
50/5V IJCV51	INSTANTANEOUS TIME OVERCURRENT RELAY
51 TAC	AC TIME OVERCURRENT RELAY
52 -	AC CURRENT BREAKER DEVICE
59 IAV	OVERVOLTAGE RELAY
61 IJCV51	CURRENT BALANCE RELAY
64 IAV51	GROUND PROTECTION RELAY
71 -	LEVEL SWITCH
81 IJFS1	FREQUENCY RELAY
86 HEAG1	LOCK-OUT RELAY
87 CPT2	DIFFERENTIAL PROTECTIVE RELAY
94 H6A1B	TRIPPING RELAY

ABBREVIATIONS

E	ENGINEERING DATA SYSTEM
C/S	OPERATIONAL CONTROL SYSTEM
CC	CYCLOCONVERTER
ESD	EMERGENCY SHUTDOWN
KWH	KILOWATT HOUR METER
CT	CURRENT INSTRUMENT TRANSFORMER
PT	POTENTIAL INSTRUMENT TRANSFORMER
TC	TRIP COIL
CG	CLOSE COIL
WT	WATT TRANSDUCER
VARI-VARS	TRANSDUCER
FT	FREQUENCY TRANSDUCER
AT	AMPERES TRANSDUCER
PB	PANEL BOARD
VT	VOLTAGE TRANSDUCER
SS	SYNCRSCOPE SWITCH
SYN	SYNCRSCOPE
AM	AMP METER
VM	VOLT METER
FM	FREQUENCY METER
WM	WATT METER
VARM	VAR METER
CDS	CONTROLS DATA SYSTEM

SYMBOLS

[Symbol]	FUSE
[Symbol]	NEUTRAL TIE POINT
[Symbol]	SLIP RING
[Symbol]	ARRESTOR
[Symbol]	CAPACITOR



NOTES

- VALUES ARE FOR 750KVA SYSTEM ONLY.
- UTILITY RECLOSURE VOLTAGE BLOCK REQUIRED.
- VALUES SHOWN FOR NORMAL 69 KV UTILITY SYSTEM. 11KV TO 69KV RANGE AVAILABLE.

CHECKED BY: [Signature] DATE: [Date] DESIGNED BY: [Signature] DATE: [Date]	000100000000000000 REP: [Signature] OFF: [Signature] LOC: [Signature] FIRST UNIT ONE LINE SYSTEMS DIAGRAM
	47E387080 SHEET 2 OF 2

5

4

FOLD

3

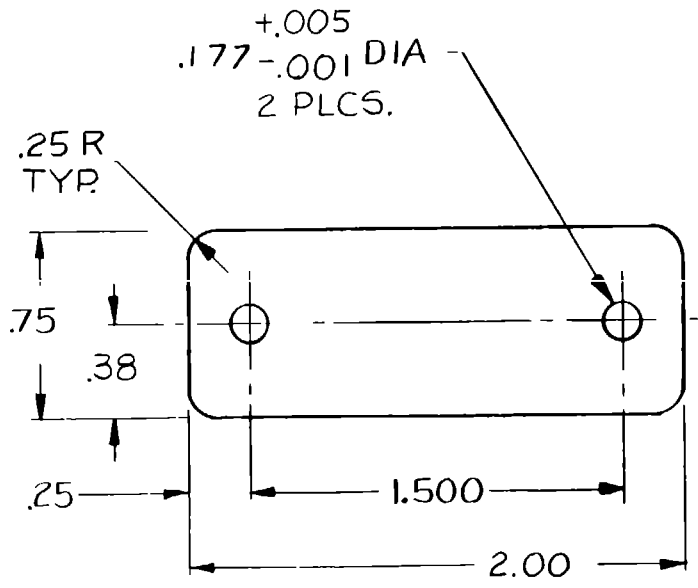
2

SIZE B 47B387082 SHEET 1 OF 1 REV

D

C

B



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

NOTES:

- 1- INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
- 2- REMOVE ALL BURRS & BREAK SHARP EDGES.
- 3- PLACE SHIELD IN CONTAINER AND MARK CONTAINER WITH "GE47B387082 PI".
- 4- ACRYLIC SHEET, CLEAR, .12 THK (PLEXIGLASS, GRADE G OR EQUIV.) ROHM & HAAS CO., PHILA., PA.

ORIGINAL PART IS OF POOR QUALITY

(PI) MAT'L SEE NOTE 4

PI	47E38707Z	MOD-5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:			
FRACTIONS	DECIMALS	ANGLES	
± .XXX	± .010 ±		
.XX	± .03		
ALL SURFACES	✓		
MATL.			
SEE NOTE 4			

SIGNATURES				DAY	MO	YR
DRAWN	<i>R. Schaller</i>	26	4	83		
CHECKED	<i>W. Schaller</i>	26	5	83		
ISSUED	<i>W. Schaller</i>	8	6	83		
MPD	<i>W. Schaller</i>	26	5	83		
REV	<i>W. Schaller</i>	7	6	83		
	<i>W. Schaller</i>	3	6	83		
GENERAL ELECTRIC AEP - DEPT LOC - KING OF PRUSSIA, PA						
SHIELD						
WTG - MOD - 5A						
SIZE	CODE IDENT NO.		47B387082			
B						
SCALE 2:1			SHEET 1 OF 1			

5

FORM 11148 (5-87)

FOLD

3

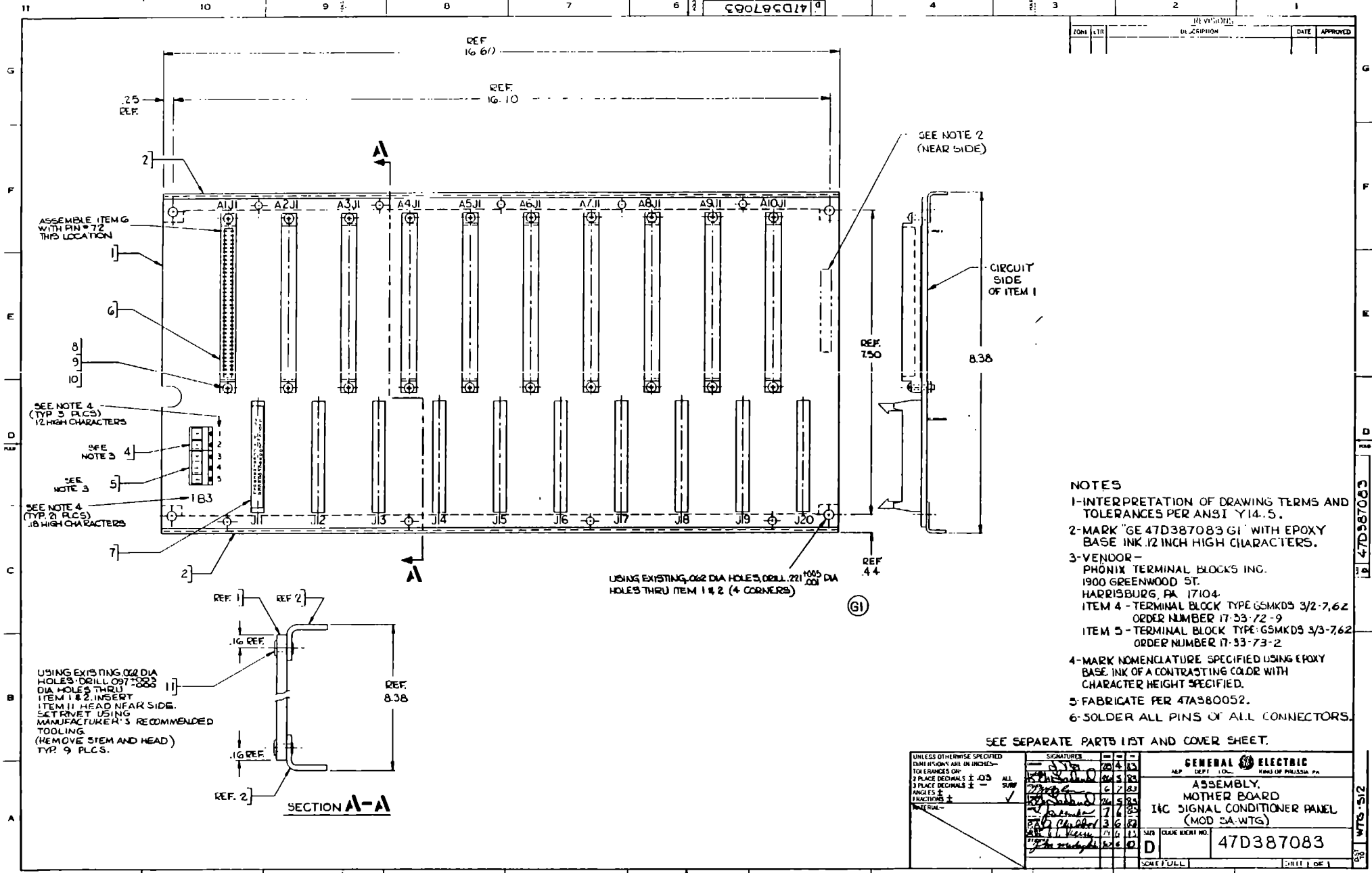
2

FORM 11148 (5-87) PRINTED IN U.S.A.

DIST. INTS. DIV.

47D387083

ZONE	CTR	REV	DESCRIPTION	DATE	APPROVED



ASSEMBLY ITEM 6 WITH PIN # 72 THIS LOCATION

SEE NOTE 4 (TYP 3 PLCS) 12 HIGH CHARACTERS

SEE NOTE 3 4

SEE NOTE 3 5

SEE NOTE 4 (TYP 2 PLCS) 18 HIGH CHARACTERS

USING EXISTING .062 DIA HOLES DRILL .097 DIA HOLES THRU ITEM 1 & 2. INSERT ITEM 11 HEAD NEAR SIDE. SET TRAVEL USING MANUFACTURER'S RECOMMENDED TOOLING. (REMOVE STEM AND HEAD) TYP 9 PLCS.

USING EXISTING .062 DIA HOLES, DRILL .097 DIA HOLES THRU ITEM 1 & 2 (4 CORNERS)

SEE NOTE 2 (NEAR SIDE)

CIRCUIT SIDE OF ITEM 1

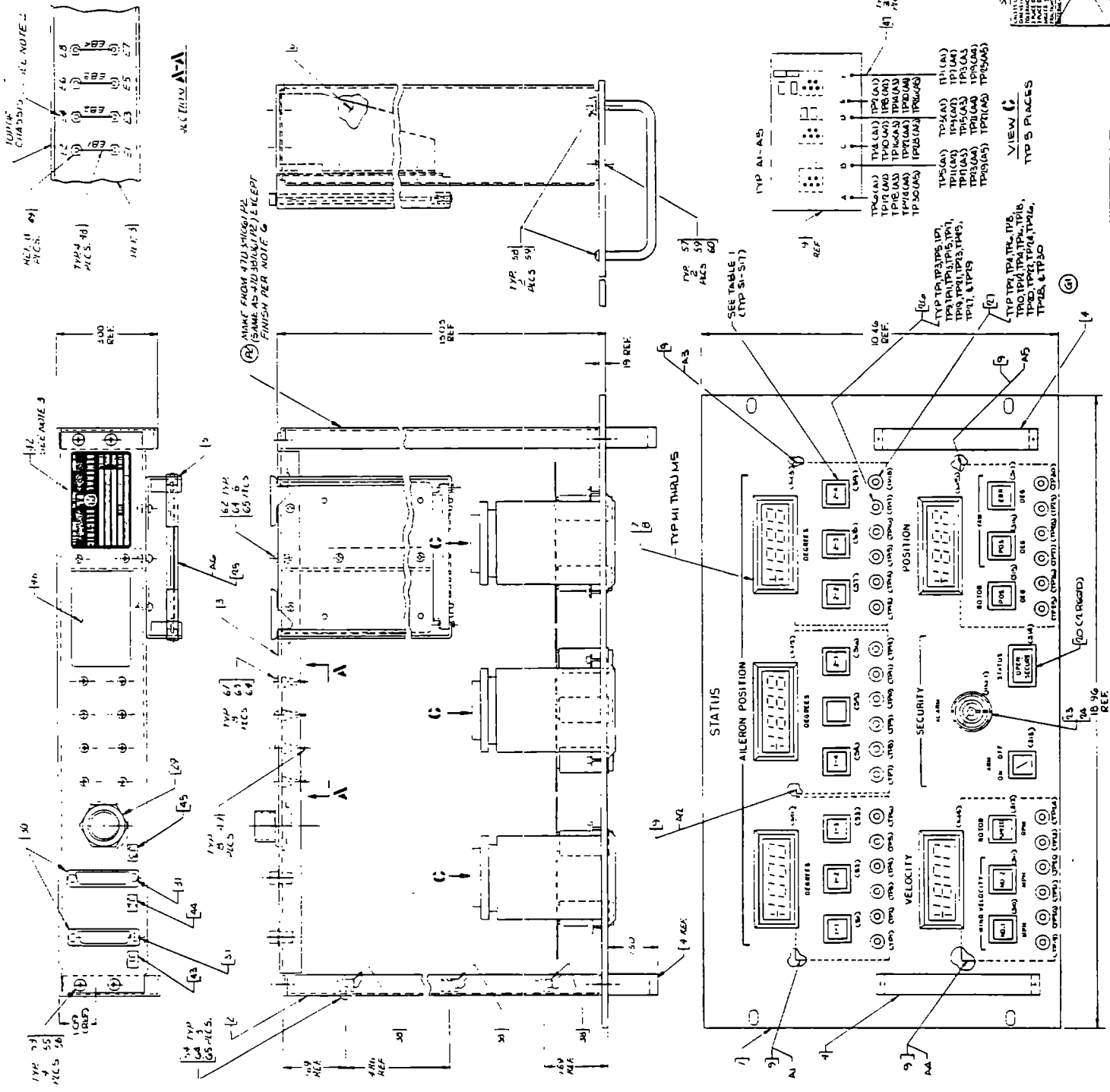
- NOTES**
- 1-INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 - 2-MARK "GE 47D387083 G1" WITH EPOXY BASE INK .12 INCH HIGH CHARACTERS.
 - 3-VENDOR - PHOENIX TERMINAL BLOCKS INC. 1900 GREENWOOD ST. HARRISBURG, PA 17104
 - ITEM 4 - TERMINAL BLOCK TYPE GSMKD5 3/2-7.62 ORDER NUMBER 17-53-72-9
 - ITEM 5 - TERMINAL BLOCK TYPE GSMKD5 3/3-7.62 ORDER NUMBER 17-53-73-2
 - 4-MARK NOMENCLATURE SPECIFIED USING EPOXY BASE INK OF A CONTRASTING COLOR WITH CHARACTER HEIGHT SPECIFIED.
 - 5-FABRICATE PER 47A380052.
 - 6-SOLDER ALL PINS OF ALL CONNECTORS.

SEE SEPARATE PARTS LIST AND COVER SHEET.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - TOLERANCES ON: 2 PLACE DECIMALS ± .03 ALL 3 PLACE DECIMALS ± .005 SURF ANGLES & FINISHES MATERIAL	SIGNATURES		DATE	
	<i>[Signature]</i>	<i>[Signature]</i>	20	4
GENERAL ELECTRIC			KING OF PRUSSIA, PA	
ASSEMBLY MOTHER BOARD I/C SIGNAL CONDITIONER PANEL (MOD SA-WTG)				
SIZE	DRAWING NO.	47D387083		DRG. 1 OF 1
SCALE FULL				

47D387083

WTS-512



- NOTES:
1. INSTALLATION OF WIRING SHALL BE IN ACCORDANCE WITH THE DRAWING AND THE AIRCRAFT ELECTRICAL WIRING MANUAL.
 2. WIRING SHALL BE IN ACCORDANCE WITH THE AIRCRAFT ELECTRICAL WIRING MANUAL AND THE AIRCRAFT ELECTRICAL WIRING MANUAL.
 3. WIRING SHALL BE IN ACCORDANCE WITH THE AIRCRAFT ELECTRICAL WIRING MANUAL AND THE AIRCRAFT ELECTRICAL WIRING MANUAL.
 4. WIRING SHALL BE IN ACCORDANCE WITH THE AIRCRAFT ELECTRICAL WIRING MANUAL AND THE AIRCRAFT ELECTRICAL WIRING MANUAL.
 5. WIRING SHALL BE IN ACCORDANCE WITH THE AIRCRAFT ELECTRICAL WIRING MANUAL AND THE AIRCRAFT ELECTRICAL WIRING MANUAL.
 6. WIRING SHALL BE IN ACCORDANCE WITH THE AIRCRAFT ELECTRICAL WIRING MANUAL AND THE AIRCRAFT ELECTRICAL WIRING MANUAL.

ORIGINAL PART OF POOR QUALITY

TABLE 1

ITEM NO.	DESCRIPTION
1	TYPE 55
2	TYPE 56
3	TYPE 57
4	TYPE 58
5	TYPE 59
6	TYPE 60
7	TYPE 61
8	TYPE 62
9	TYPE 63
10	TYPE 64
11	TYPE 65
12	TYPE 66
13	TYPE 67
14	TYPE 68
15	TYPE 69
16	TYPE 70
17	TYPE 71
18	TYPE 72
19	TYPE 73
20	TYPE 74
21	TYPE 75
22	TYPE 76
23	TYPE 77
24	TYPE 78
25	TYPE 79
26	TYPE 80
27	TYPE 81
28	TYPE 82
29	TYPE 83
30	TYPE 84
31	TYPE 85
32	TYPE 86
33	TYPE 87
34	TYPE 88
35	TYPE 89
36	TYPE 90
37	TYPE 91
38	TYPE 92
39	TYPE 93
40	TYPE 94
41	TYPE 95
42	TYPE 96
43	TYPE 97
44	TYPE 98
45	TYPE 99
46	TYPE 100

SEE DRAWING FOR PART NUMBER AND PART NAME

STATUS PANEL

(SEE DRAWING)

4/E38/084

DATE: 1/1/50

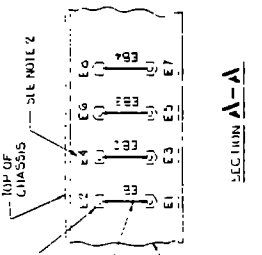
BY: [Signature]

APPROVED: [Signature]

REVISIONS:

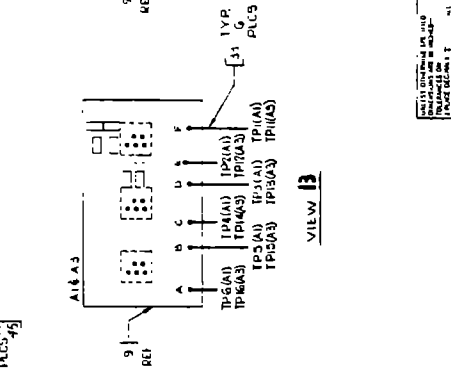
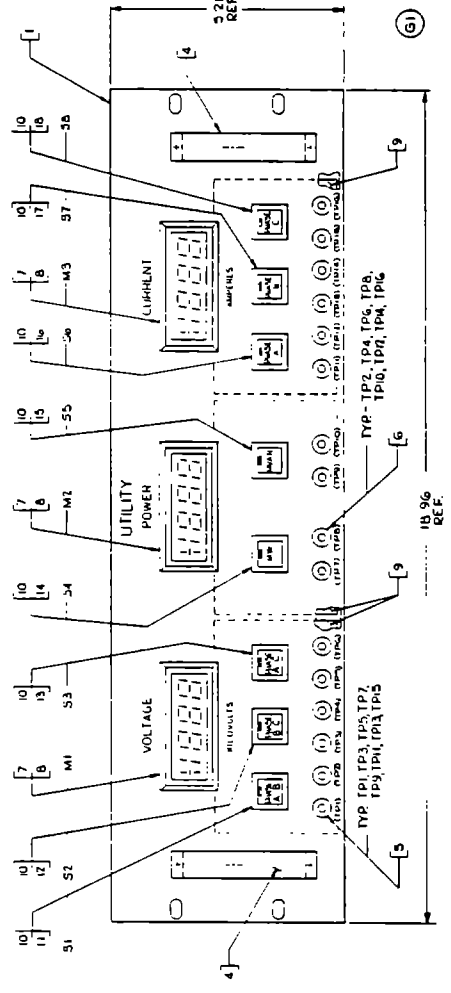
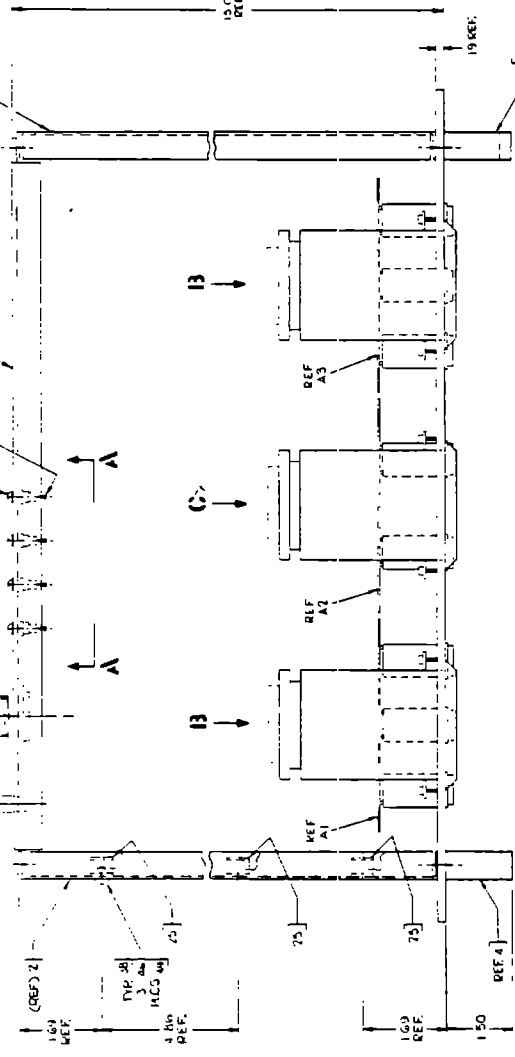
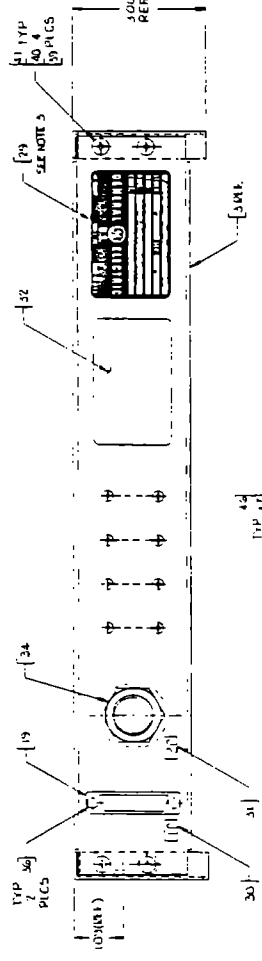
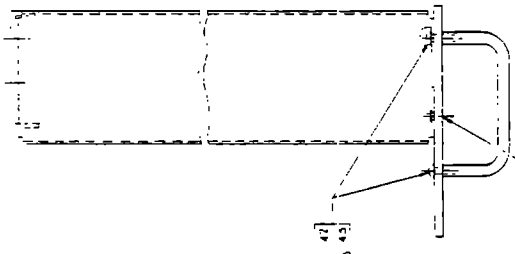
NO.	DESCRIPTION
1	ISSUED FOR PRODUCTION

- 1 INITIAL RELAY/RELAY BOARD, ILKMS, AND (UN)EASLES PER A31 Y14 2.
- 2 MARK MOMENTARY RELAY WITH A JUMP IN APPROPRIATE LOCATION USING ENTRY BASE INK OF A LOGIC STRIP, LOGICAL.
- 3 MARK ITEM 79 AS JUMP, INFORMATION MARKED WITH AN AS TERM (79) IS TO BE SUPPLIED BY PRODUCTION/INITIATE APPROX 70 JERMIN.
- 4 FABRICATE PER J1A30052.
- 5 WIRE ASSEMBLY PER WIRE LIST ITEM 22.
- 6 FINISH PAIR IN ALCOBATCH WITH G.E. DRAWING #7A3501012 P1.



SECTION A-A

MAKE FROM ADDITIONAL PZ FINISH PER NOTE 6.



VIEW B

VIEW C

SEE SEPARATE PARTS LIST AND WIRE SHEET

ITEM NO.	DESCRIPTION	QTY	UNIT	REVISION
1	ASSEMBLY	1	PCB	1
2	UTILITY PANEL	1	PCB	1
3	(SEE NOTE 2, WTS)	1	PCB	1
4	(SEE NOTE 2, WTS)	1	PCB	1
5	(SEE NOTE 2, WTS)	1	PCB	1
6	(SEE NOTE 2, WTS)	1	PCB	1
7	(SEE NOTE 2, WTS)	1	PCB	1
8	(SEE NOTE 2, WTS)	1	PCB	1
9	(SEE NOTE 2, WTS)	1	PCB	1
10	(SEE NOTE 2, WTS)	1	PCB	1
11	(SEE NOTE 2, WTS)	1	PCB	1
12	(SEE NOTE 2, WTS)	1	PCB	1
13	(SEE NOTE 2, WTS)	1	PCB	1
14	(SEE NOTE 2, WTS)	1	PCB	1
15	(SEE NOTE 2, WTS)	1	PCB	1
16	(SEE NOTE 2, WTS)	1	PCB	1
17	(SEE NOTE 2, WTS)	1	PCB	1
18	(SEE NOTE 2, WTS)	1	PCB	1
19	(SEE NOTE 2, WTS)	1	PCB	1
20	(SEE NOTE 2, WTS)	1	PCB	1
21	(SEE NOTE 2, WTS)	1	PCB	1
22	(SEE NOTE 2, WTS)	1	PCB	1
23	(SEE NOTE 2, WTS)	1	PCB	1
24	(SEE NOTE 2, WTS)	1	PCB	1
25	(SEE NOTE 2, WTS)	1	PCB	1
26	(SEE NOTE 2, WTS)	1	PCB	1
27	(SEE NOTE 2, WTS)	1	PCB	1
28	(SEE NOTE 2, WTS)	1	PCB	1
29	(SEE NOTE 2, WTS)	1	PCB	1
30	(SEE NOTE 2, WTS)	1	PCB	1
31	(SEE NOTE 2, WTS)	1	PCB	1
32	(SEE NOTE 2, WTS)	1	PCB	1
33	(SEE NOTE 2, WTS)	1	PCB	1
34	(SEE NOTE 2, WTS)	1	PCB	1
35	(SEE NOTE 2, WTS)	1	PCB	1
36	(SEE NOTE 2, WTS)	1	PCB	1
37	(SEE NOTE 2, WTS)	1	PCB	1
38	(SEE NOTE 2, WTS)	1	PCB	1
39	(SEE NOTE 2, WTS)	1	PCB	1
40	(SEE NOTE 2, WTS)	1	PCB	1
41	(SEE NOTE 2, WTS)	1	PCB	1
42	(SEE NOTE 2, WTS)	1	PCB	1
43	(SEE NOTE 2, WTS)	1	PCB	1
44	(SEE NOTE 2, WTS)	1	PCB	1
45	(SEE NOTE 2, WTS)	1	PCB	1
46	(SEE NOTE 2, WTS)	1	PCB	1
47	(SEE NOTE 2, WTS)	1	PCB	1
48	(SEE NOTE 2, WTS)	1	PCB	1
49	(SEE NOTE 2, WTS)	1	PCB	1
50	(SEE NOTE 2, WTS)	1	PCB	1
51	(SEE NOTE 2, WTS)	1	PCB	1
52	(SEE NOTE 2, WTS)	1	PCB	1
53	(SEE NOTE 2, WTS)	1	PCB	1
54	(SEE NOTE 2, WTS)	1	PCB	1
55	(SEE NOTE 2, WTS)	1	PCB	1
56	(SEE NOTE 2, WTS)	1	PCB	1
57	(SEE NOTE 2, WTS)	1	PCB	1
58	(SEE NOTE 2, WTS)	1	PCB	1
59	(SEE NOTE 2, WTS)	1	PCB	1
60	(SEE NOTE 2, WTS)	1	PCB	1
61	(SEE NOTE 2, WTS)	1	PCB	1
62	(SEE NOTE 2, WTS)	1	PCB	1
63	(SEE NOTE 2, WTS)	1	PCB	1
64	(SEE NOTE 2, WTS)	1	PCB	1
65	(SEE NOTE 2, WTS)	1	PCB	1
66	(SEE NOTE 2, WTS)	1	PCB	1
67	(SEE NOTE 2, WTS)	1	PCB	1
68	(SEE NOTE 2, WTS)	1	PCB	1
69	(SEE NOTE 2, WTS)	1	PCB	1
70	(SEE NOTE 2, WTS)	1	PCB	1
71	(SEE NOTE 2, WTS)	1	PCB	1
72	(SEE NOTE 2, WTS)	1	PCB	1
73	(SEE NOTE 2, WTS)	1	PCB	1
74	(SEE NOTE 2, WTS)	1	PCB	1
75	(SEE NOTE 2, WTS)	1	PCB	1
76	(SEE NOTE 2, WTS)	1	PCB	1
77	(SEE NOTE 2, WTS)	1	PCB	1
78	(SEE NOTE 2, WTS)	1	PCB	1
79	(SEE NOTE 2, WTS)	1	PCB	1
80	(SEE NOTE 2, WTS)	1	PCB	1
81	(SEE NOTE 2, WTS)	1	PCB	1
82	(SEE NOTE 2, WTS)	1	PCB	1
83	(SEE NOTE 2, WTS)	1	PCB	1
84	(SEE NOTE 2, WTS)	1	PCB	1
85	(SEE NOTE 2, WTS)	1	PCB	1
86	(SEE NOTE 2, WTS)	1	PCB	1
87	(SEE NOTE 2, WTS)	1	PCB	1
88	(SEE NOTE 2, WTS)	1	PCB	1
89	(SEE NOTE 2, WTS)	1	PCB	1
90	(SEE NOTE 2, WTS)	1	PCB	1
91	(SEE NOTE 2, WTS)	1	PCB	1
92	(SEE NOTE 2, WTS)	1	PCB	1
93	(SEE NOTE 2, WTS)	1	PCB	1
94	(SEE NOTE 2, WTS)	1	PCB	1
95	(SEE NOTE 2, WTS)	1	PCB	1
96	(SEE NOTE 2, WTS)	1	PCB	1
97	(SEE NOTE 2, WTS)	1	PCB	1
98	(SEE NOTE 2, WTS)	1	PCB	1
99	(SEE NOTE 2, WTS)	1	PCB	1
100	(SEE NOTE 2, WTS)	1	PCB	1

ASSEMBLY
UTILITY PANEL
(SEE NOTE 2, WTS)
(SEE NOTE 2, WTS)
(SEE NOTE 2, WTS)
4/E3B7085

5

4

FOLD

3

2

SIZE B

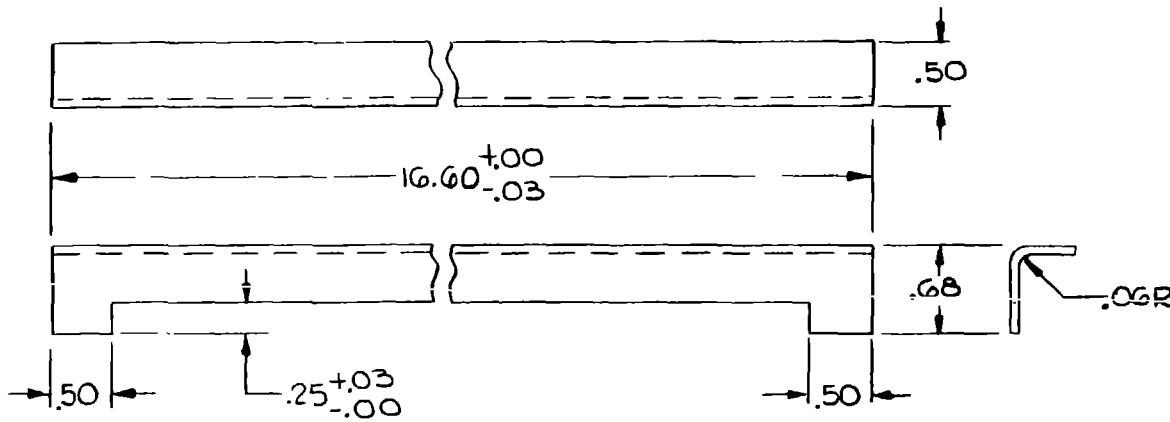
47B387086

SHEET 1 OF 1

REV

REVISIONS

ZONL	LTR	DESCRIPTION	DATE	APPROVED



PI

NOTES:

- 1- INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
- 2- REMOVE ALL BURRS AND BREAK SHARP EDGES.
- 3- MARK "GE 47B387086 PI WITH EPOXY BASE INK .12 INCH HIGH CHARACTERS.
- 4- FINISH: BLUE IN ACCORDANCE WITH G.E. DRAWING 47A380102 PI.

ENCLOSURE (3-82) PRINTED IN U.S.A.

PI	47B387086	MOD-5A
SUFFIX	NEXT ASSY	USED ON
APPLICATION		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:		SIGNATURES		DAY	MO	YR
FRACTIONS	DECIMALS	ANGLES				
±	±.03	±				
ALL SURFACES						
MATERIAL						
6061-TG						
AL. ALY.						
.063 THK.						

GENERAL ELECTRIC		AEP - DEPT		LOC - KING OF PHUSSIA, PA.	
SUPT. ANGLE					
(MOD-5A-WTG)					
SIZE	CODE IDENT NO.		47B387086		
B					
SCALE FULL			SHEET 1 OF 1		

5

4

FOLD

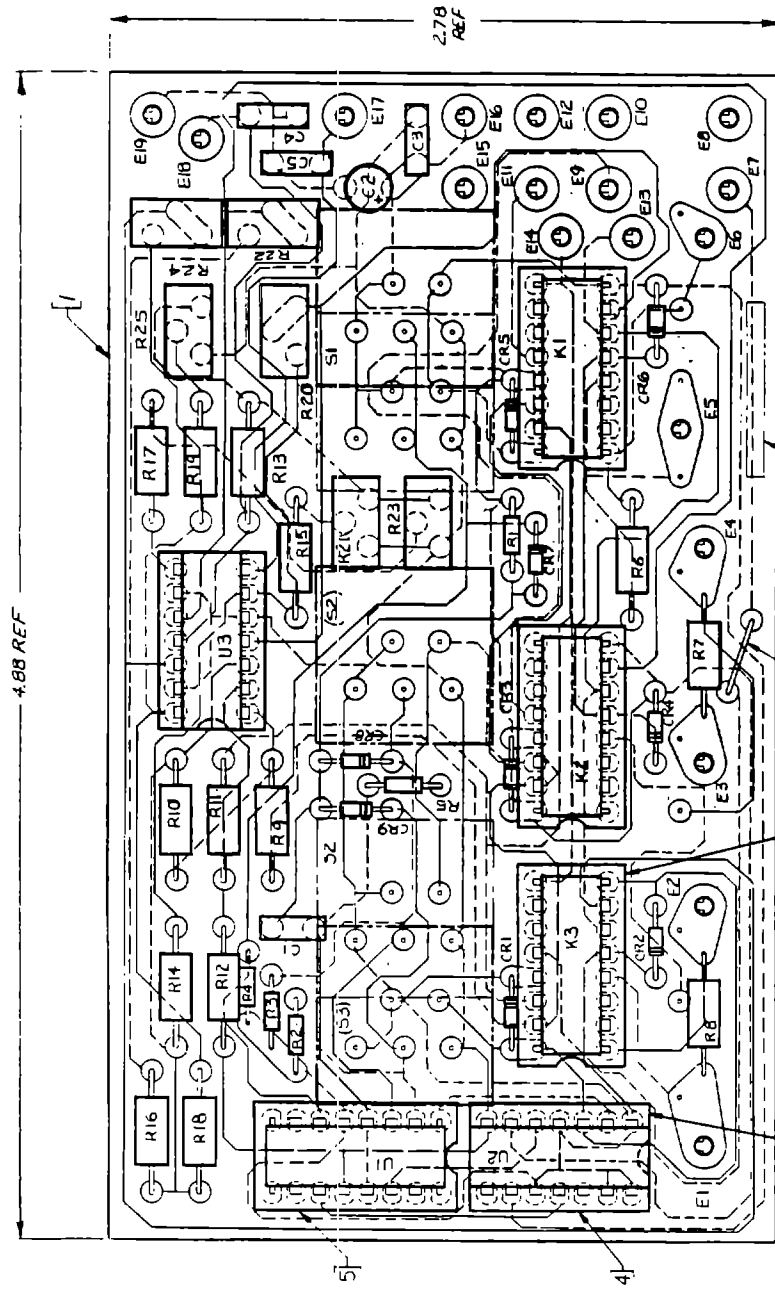
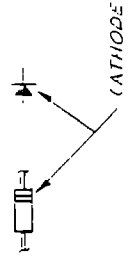
3

2

WTS-512

ORIGINAL PAGE 06
 OF POOR QUALITY

- NOTES:
1. INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER AWSI 174.5.
 2. MARK "GE470387089G1" WITH EPOXY BASE INK, 1/2 INCH HIGH CHARACTERS IN APPROX. LOCATION AS SHOWN.
 3. FABRICATE PER 47A380052.
 4. COLOR CODED BANDS INDICATE CATHODE END OF DIODE.



SEE NOTE 2.

5 (TYP 4 PLACES)
 (K1, K2, K3 & U1)

(U2 & U3)
 4 (TYP 2 PLACES)

SEE SEPARATE PARTS LIST AND COVER SHEET

UNIT IS IDENTIFIED BY SERIAL NUMBER AND IS IDENTIFIED BY WORK ORDER NUMBER.		DATE	
DATE	BY	DATE	BY
1952	1952	1952	1952
1953	1953	1953	1953
1954	1954	1954	1954
1955	1955	1955	1955
1956	1956	1956	1956
1957	1957	1957	1957
1958	1958	1958	1958
1959	1959	1959	1959
1960	1960	1960	1960
1961	1961	1961	1961
1962	1962	1962	1962
1963	1963	1963	1963
1964	1964	1964	1964
1965	1965	1965	1965
1966	1966	1966	1966
1967	1967	1967	1967
1968	1968	1968	1968
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1970	1970	1970	1970
1971	1971	1971	1971
1972	1972	1972	1972
1973	1973	1973	1973
1974	1974	1974	1974
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1977	1977	1977	1977
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1986	1986	1986	1986
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1989	1989	1989	1989
1990	1990	1990	1990
1991	1991	1991	1991
1992	1992	1992	1992
1993	1993	1993	1993
1994	1994	1994	1994
1995	1995	1995	1995
1996	1996	1996	1996
1997	1997	1997	1997
1998	1998	1998	1998
1999	1999	1999	1999
2000	2000	2000	2000
2001	2001	2001	2001
2002	2002	2002	2002
2003	2003	2003	2003
2004	2004	2004	2004
2005	2005	2005	2005
2006	2006	2006	2006
2007	2007	2007	2007
2008	2008	2008	2008
2009	2009	2009	2009
2010	2010	2010	2010
2011	2011	2011	2011
2012	2012	2012	2012
2013	2013	2013	2013
2014	2014	2014	2014
2015	2015	2015	2015
2016	2016	2016	2016
2017	2017	2017	2017
2018	2018	2018	2018
2019	2019	2019	2019
2020	2020	2020	2020
2021	2021	2021	2021
2022	2022	2022	2022
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2093	2093	2093	2093
2094	2094	2094	2094
2095	2095	2095	2095
2096	2096	2096	2096
2097	2097	2097	2097
2098	2098	2098	2098
2099	2099	2099	2099
2100	2100	2100	2100

GENERAL ELECTRIC
 OFFICE LOCATED AT
 PITTSBURGH, PA.
 ASSEMBLY,
 METER SIGNAL CONDITIONER
 WTG. MOD. 5A
 470387089

ORIGINAL DRAWING
 OF THIS DRAWING
 IS TO BE KEPT IN THE
 OFFICE OF THE
 PROJECT ENGINEER

TABLE I
 CHASSIS A2

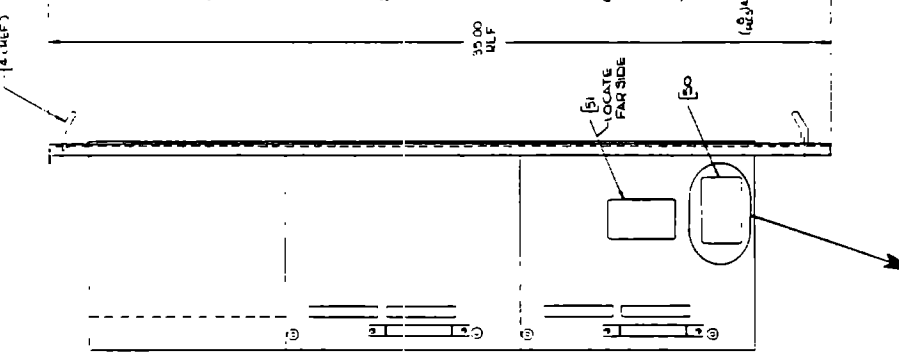
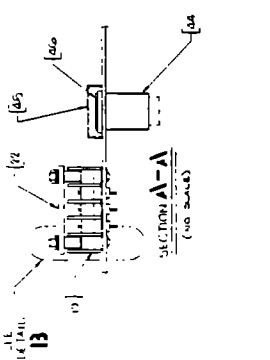
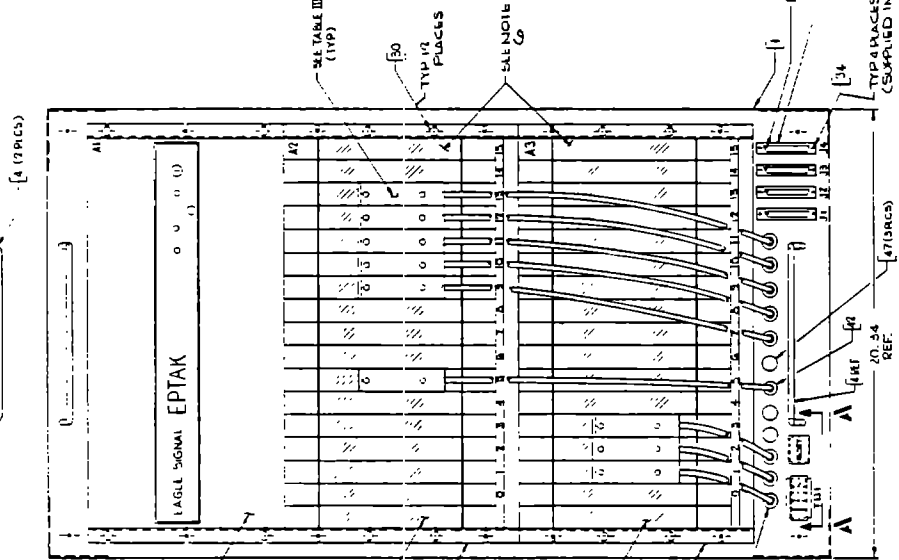
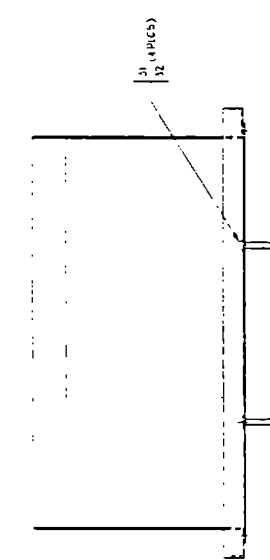
LOCATION	DESCRIPTION	ITEM
1	WARRANTY	1
2	WARRANTY	2
3	WARRANTY	3
4	WARRANTY	4
5	WARRANTY	5
6	WARRANTY	6
7	WARRANTY	7
8	WARRANTY	8
9	WARRANTY	9
10	WARRANTY	10
11	WARRANTY	11
12	WARRANTY	12
13	WARRANTY	13
14	WARRANTY	14
15	WARRANTY	15
16	WARRANTY	16
17	WARRANTY	17
18	WARRANTY	18
19	WARRANTY	19
20	WARRANTY	20

TABLE II
 CHASSIS A3

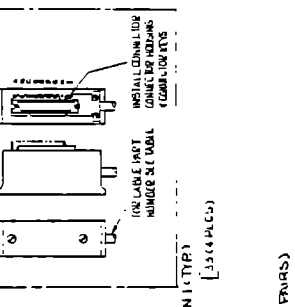
LOCATION	DESCRIPTION	ITEM
1	WARRANTY	1
2	WARRANTY	2
3	WARRANTY	3
4	WARRANTY	4
5	WARRANTY	5
6	WARRANTY	6
7	WARRANTY	7
8	WARRANTY	8
9	WARRANTY	9
10	WARRANTY	10
11	WARRANTY	11
12	WARRANTY	12
13	WARRANTY	13
14	WARRANTY	14
15	WARRANTY	15
16	WARRANTY	16
17	WARRANTY	17
18	WARRANTY	18
19	WARRANTY	19
20	WARRANTY	20

TABLE III
 CONNECTOR KEY

LOCATION	DESCRIPTION	ITEM
1	WARRANTY	1
2	WARRANTY	2
3	WARRANTY	3
4	WARRANTY	4
5	WARRANTY	5
6	WARRANTY	6
7	WARRANTY	7
8	WARRANTY	8
9	WARRANTY	9
10	WARRANTY	10
11	WARRANTY	11
12	WARRANTY	12
13	WARRANTY	13
14	WARRANTY	14
15	WARRANTY	15
16	WARRANTY	16
17	WARRANTY	17
18	WARRANTY	18
19	WARRANTY	19
20	WARRANTY	20



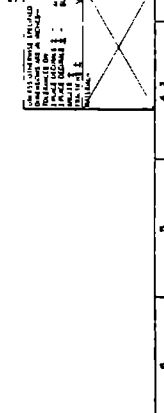
- 1- INSTALLATION OF THE BOARD IN THE CHASSIS PER PART NO. 4770 AND PART NO. 4771 AND PART NO. 4772.
- 2- INSTALLATION OF THE BOARD IN THE CHASSIS PER PART NO. 4773 AND PART NO. 4774.
- 3- APPLY CONDUCTIVE FILM TO THE BOARD PER PART NO. 4775 AND PART NO. 4776. THE FILM SHOULD BE APPLIED IN ACCORDANCE WITH THE INSTRUCTIONS SUPPLIED WITH THE FILM. THE FILM SHOULD BE APPLIED TO THE BOARD PRIOR TO THE MANUFACTURE OF THE BOARD.
- 4- FABRICATE PER 47A-300000.
- 5- VENDOR: HEYCO MOUNTED THROUGH HOLE 60X 160 KENN WORTH N J 07033 ITEM NO 22-URDOR PART PA 1013 PART NO 47 VERBA PART NO 4663
- 6- INSTALL MODULES IN CHASSIS AS SPECIFIED IN TABLE I & II.
- 7- PARTS LIST AS SHOWN IN TABLE I & II. PARTS LISTED IN TABLE I & II SHOULD BE SUPPLIED BY THE MANUFACTURER. LOCATE APPROPRIATELY AS SHOWN ON OPPOSITE SIDE.



SEE SEPARATE PARTS LIST & COVER SHEET

ITEM	DESCRIPTION	QTY	UNIT
1	WARRANTY	1	PCB
2	WARRANTY	1	PCB
3	WARRANTY	1	PCB
4	WARRANTY	1	PCB
5	WARRANTY	1	PCB
6	WARRANTY	1	PCB
7	WARRANTY	1	PCB
8	WARRANTY	1	PCB
9	WARRANTY	1	PCB
10	WARRANTY	1	PCB
11	WARRANTY	1	PCB
12	WARRANTY	1	PCB
13	WARRANTY	1	PCB
14	WARRANTY	1	PCB
15	WARRANTY	1	PCB
16	WARRANTY	1	PCB
17	WARRANTY	1	PCB
18	WARRANTY	1	PCB
19	WARRANTY	1	PCB
20	WARRANTY	1	PCB

CONTROL ASSY.
 CONTROL ELECTRONIC CABINET
 (PART NO. 4770)
 (PART NO. 4771)
 (PART NO. 4772)
 (PART NO. 4773)
 (PART NO. 4774)
 (PART NO. 4775)
 (PART NO. 4776)
 (PART NO. 4777)
 (PART NO. 4778)
 (PART NO. 4779)
 (PART NO. 4780)
 (PART NO. 4781)
 (PART NO. 4782)
 (PART NO. 4783)
 (PART NO. 4784)
 (PART NO. 4785)
 (PART NO. 4786)
 (PART NO. 4787)
 (PART NO. 4788)
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 (PART NO. 4790)
 (PART NO. 4791)
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 (PART NO. 4799)
 (PART NO. 4800)

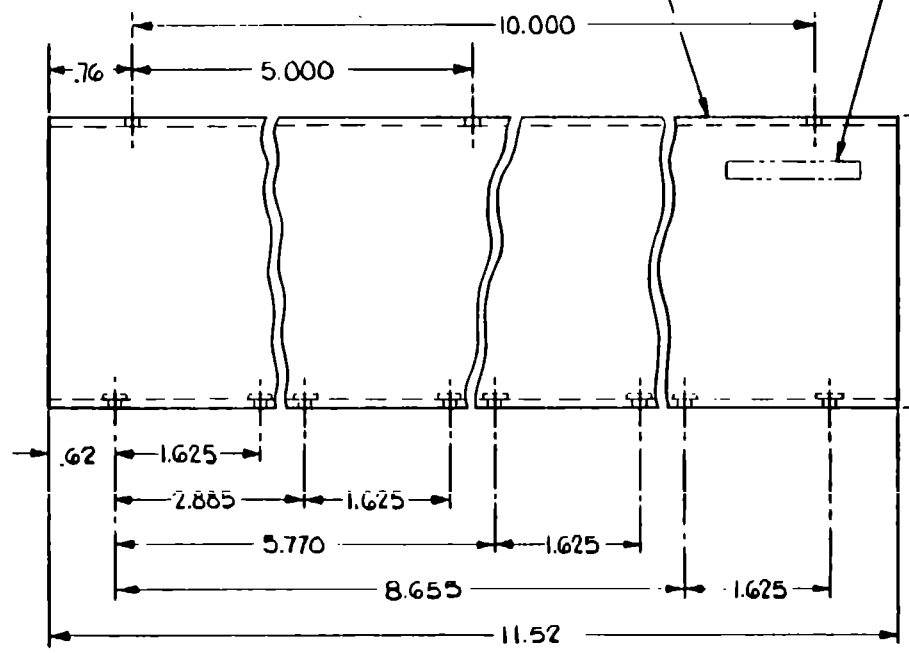


CONTROL ASSY.
 CONTROL ELECTRONIC CABINET
 (PART NO. 4770)
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 (PART NO. 4773)
 (PART NO. 4774)
 (PART NO. 4775)
 (PART NO. 4776)
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 (PART NO. 4778)
 (PART NO. 4779)
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 (PART NO. 4799)
 (PART NO. 4800)

ZONE		LTR		REVISIONS	DESCRIPTION	DATE	APPROVED

MAT'L: AL. ALY
6061-T6
PI .090 THK

SEE NOTE
4



.88
.62
+005
.221-001
DIA HOLE (3 PLCS)
.18 R
TYP.
+003
.1875-000
DIA HOLE (8 PLCS)
2 INSTALL AFTER
FINISH PER NOTE 3.
(8 REQ'D)

NOTES:

- 1- INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
- 2- REMOVE ALL BURRS & BREAK SHARP EDGES.
- 3- FINISH: BLUE IN ACCORDANCE WITH G.E. DRAWING 47A380102PI.
- 4- MARK "GE47C387096G1" WITH EPOXY BASE INK .12 INCH HIGH CHARACTERS IN APPROX. LOCATION SHOWN. (FAR SIDE).

(G1)

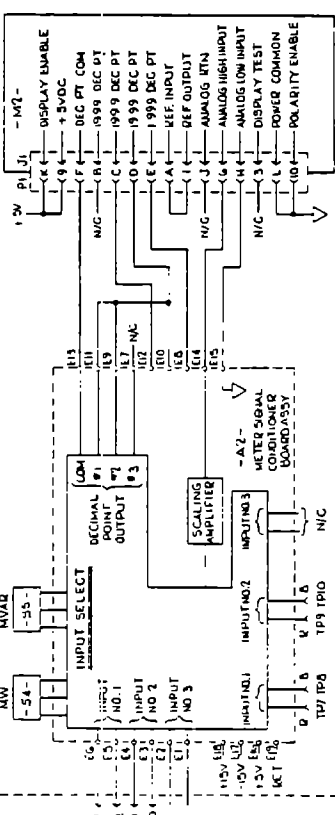
SEE SEPARATE PARTS LIST & COVER SHEET

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES— TOLERANCES ON 2 PLACE DECIMALS ± .05 ALL SURF 3 PLACE DECIMALS ± .010 ANGLES ± FRACTIONS ± MATERIAL— SEE DWG.	SIGNATURES			DAY	MO	YR	GENERAL ELECTRIC AEP DEPT LOC. KING OF PRUSSIA PA MTG BRACKET ASSY (MOD-5A-WTG) SIZE CODE IDENT NO C 47C387096
	DRAWN: [Signature] CHECKED: [Signature] ISSUED: [Signature] BY: [Signature] DATE: [Signature]						
							SCALE FULL SHEET OF 1

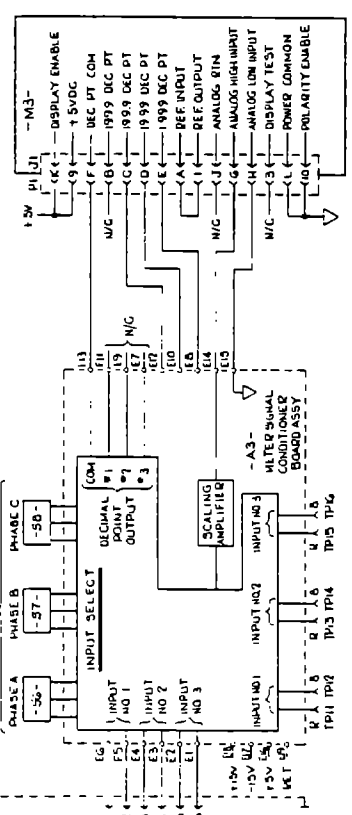
FOLD
 REV
 47C387096
 DIST TO WTS-512

IP5	IP6	IP7	IP8	IP9	IP10	IP11	IP12	IP13	IP14	IP15	IP16	IP17	IP18	IP19	IP20	IP21	IP22	IP23	IP24	IP25	IP26	IP27	IP28	IP29	IP30	IP31	IP32	IP33	IP34	IP35	IP36	IP37	IP38	IP39	IP40	IP41	IP42	IP43	IP44	IP45	IP46	IP47	IP48	IP49	IP50	IP51	IP52	IP53	IP54	IP55	IP56	IP57	IP58	IP59	IP60	IP61	IP62	IP63	IP64	IP65	IP66	IP67	IP68	IP69	IP70	IP71	IP72	IP73	IP74	IP75	IP76	IP77	IP78	IP79	IP80	IP81	IP82	IP83	IP84	IP85	IP86	IP87	IP88	IP89	IP90	IP91	IP92	IP93	IP94	IP95	IP96	IP97	IP98	IP99	IP100
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UTILITY POWER

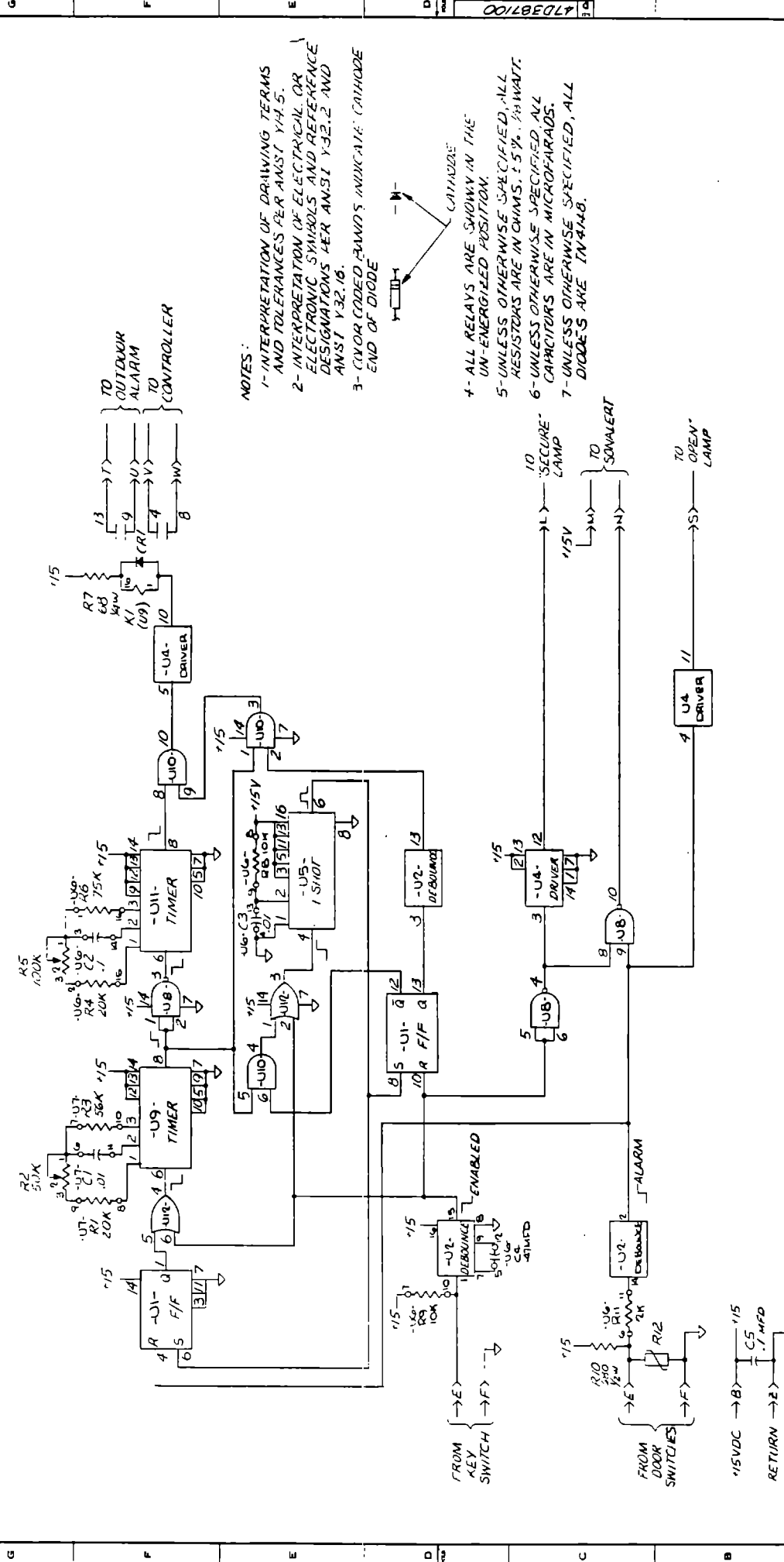


UTILITY CURRENT



NOTES
 1-INTERPRETATION OF DIMENSIONS IN VMS AND DIMENSIONS PER ANSI Y14.5.
 2-INTERPRETATION OF ELECTRICAL SYMBOLS AND TERMINALS PER ANSI Y32.16 AND Y32.2.

SCHEMATIC ELECTRICAL
 UTILITY PANEL
 WTG 1000-2A
 47E387097



NOTES:

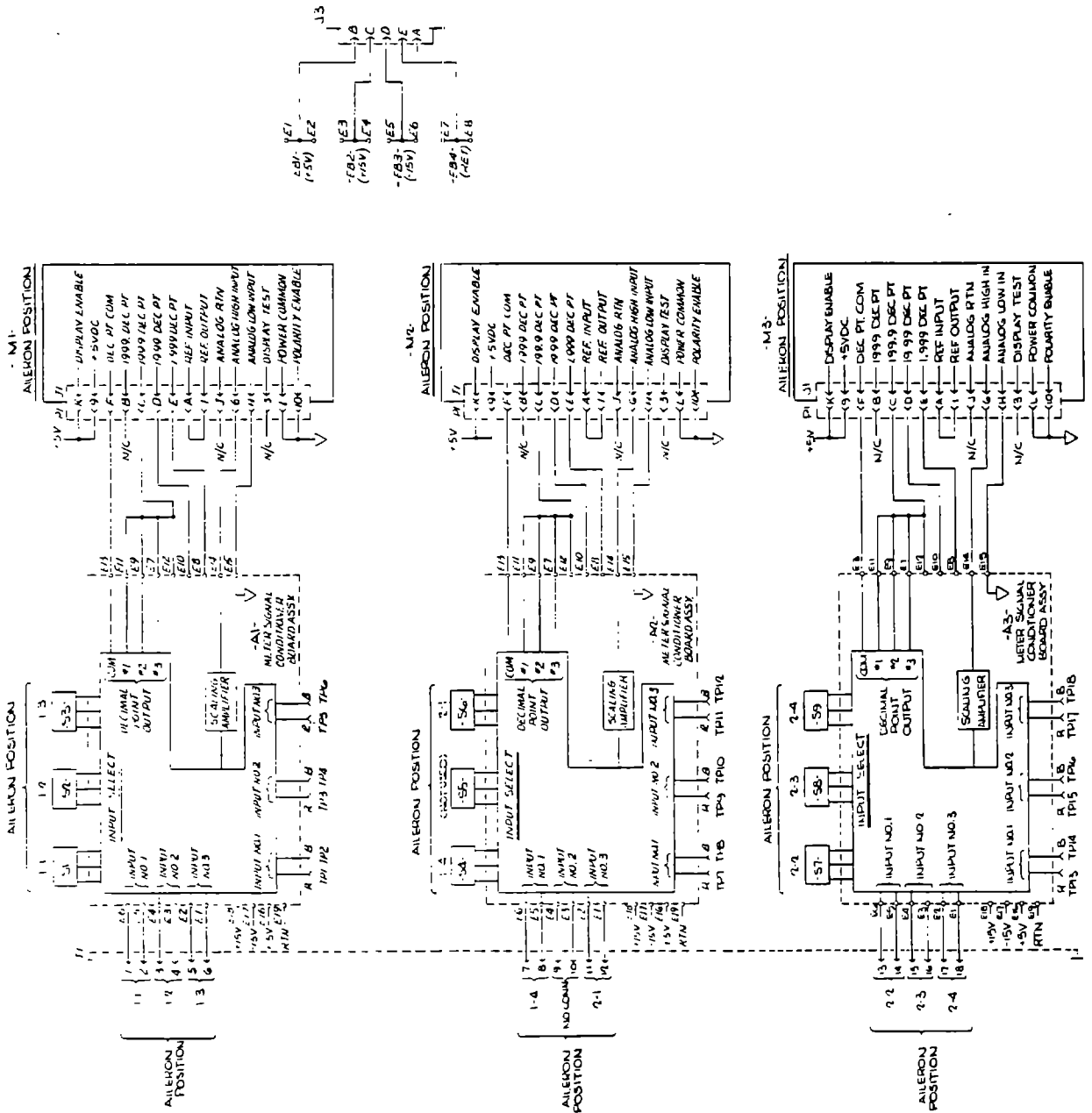
- 1- INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANST Y4.5.
- 2- INTERPRETATION OF ELECTRICAL OR ELECTRONIC SYMBOLS AND REFERENCE DESIGNATIONS PER ANSI Y32.2 AND ANST Y32.16.
- 3- (NOVA CODED) BANDS INDICATE: CATHODE END OF DIODE

- 4- ALL RELAYS ARE SHOWN IN THE UN-ENERGIZED POSITION.
- 5- UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE IN OHMS, ±5% TOLERANCE.
- 6- UNLESS OTHERWISE SPECIFIED, ALL CAPACITORS ARE IN MICROFARADS.
- 7- UNLESS OTHERWISE SPECIFIED, ALL DIODES ARE IN 4448.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES - FRACTIONS DECIMALS ± FRACTIONS ±		SIGNATURES		DATE	
DESIGNED BY	DATE	APPROVED BY	DATE	DATE	DATE
GENERAL ELECTRIC A DIVISION OF WESTINGHOUSE		SCHEMATIC		470387100	
SECURITY ELECTRONICS BD.		MOD-5A WIG		470387100	
WIG-512		SIZE (FOR MOUNTING)		D	

ORIGINAL PAGE IS
OF POOR QUALITY

NOTES:
1. ALL COMPONENTS TO BE SHOWN IN THIS DRAWING TO BE THE SAME AS SHOWN IN THE ORIGINAL DRAWING.
2. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
3. DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.



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✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

CHECKED BY: [Signature]
 DATE: 4/7E/88
 APPROVED BY: [Signature]
 DATE: 4/7E/88
 TITLE: [Blank]
 DEPARTMENT: SCHEMATIC ELECTRICAL
 STATUS: [Blank]

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DATE 5/17/71

WTE-512

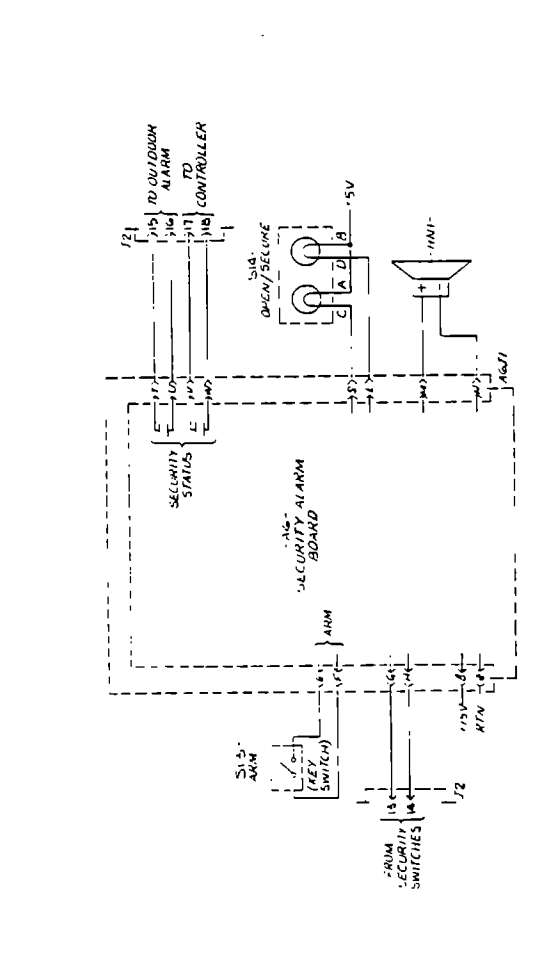
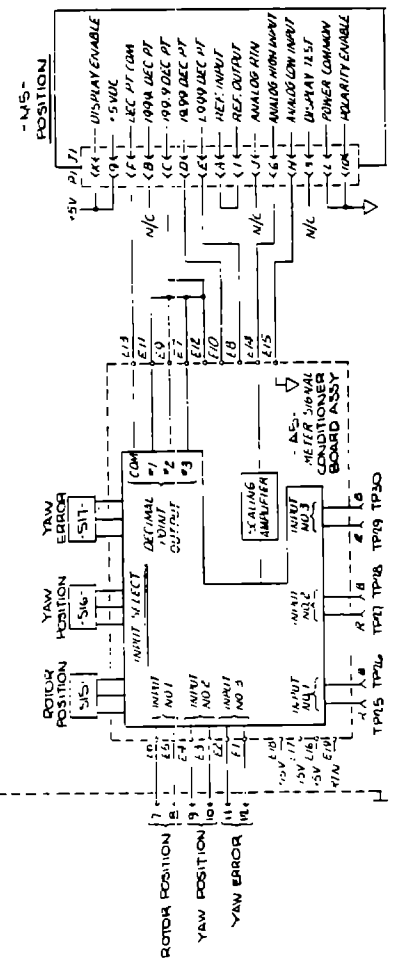
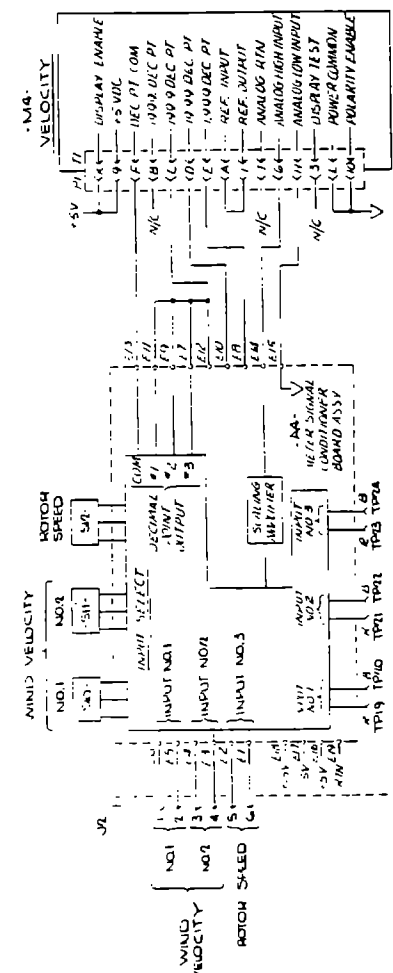
SCHEMATIC ELECTRICAL

STATUS: OK

17E-387101

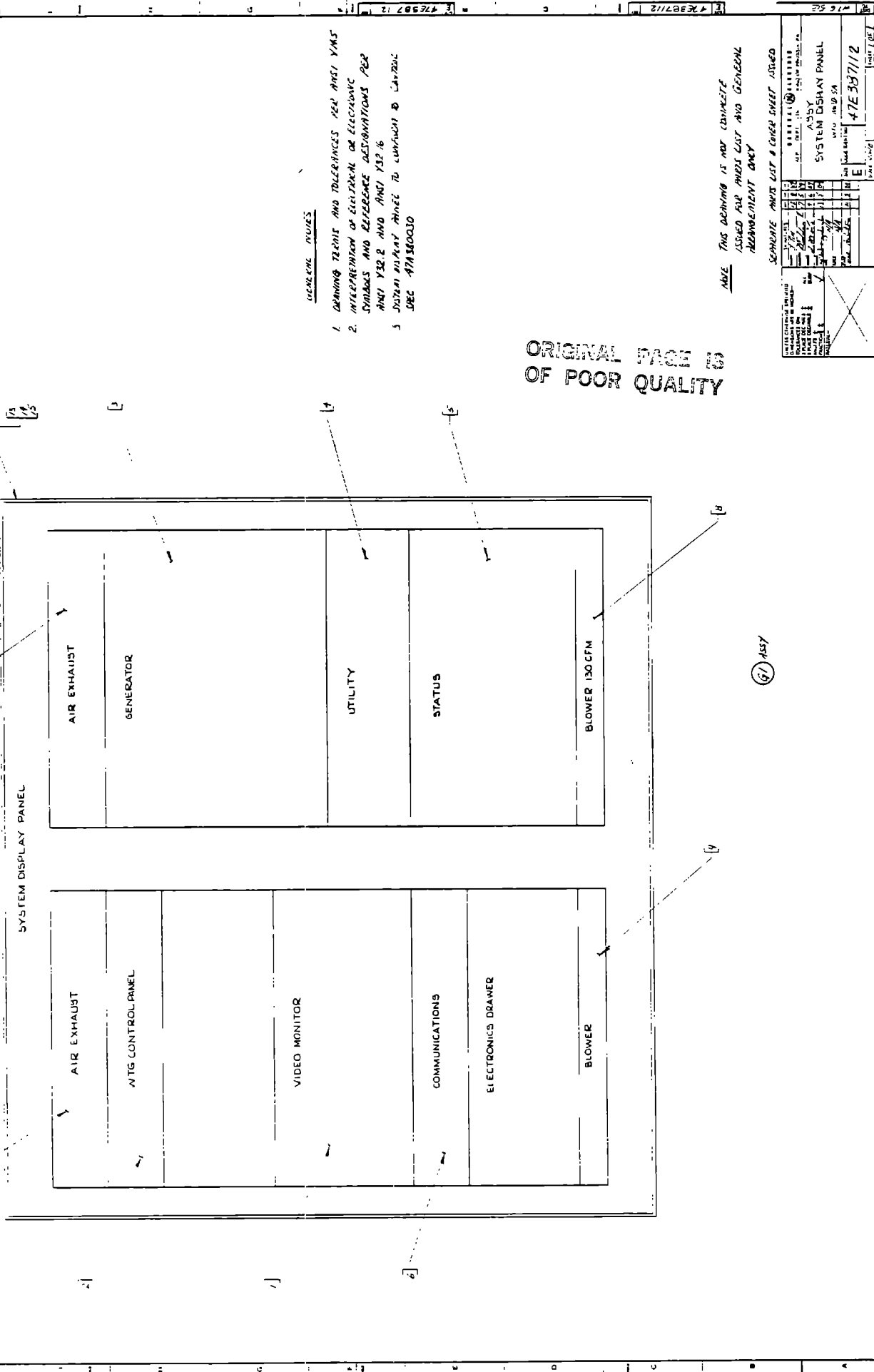
DATE 5/17/71

WTE-512



INPUT	SELECTOR SWITCH	INPUT RANGE	CALIBRATION	POTENTIOMETER	METER BOARDING	UNIT
TP1	S1	4-20 MA	AIR71	AIR71	-5/93	DEG
TP2	S1	4-20 MA	AIR72	AIR72	-5/93	DEG
TP3	S1	4-20 MA	AIR73	AIR73	-5/93	DEG
TP4	S1	4-20 MA	AIR74	AIR74	-5/93	DEG
TP5	S1	4-20 MA	AIR75	AIR75	-5/93	DEG
TP6	S1	4-20 MA	AIR76	AIR76	-5/93	DEG
TP7	S1	4-20 MA	AIR77	AIR77	-5/93	DEG
TP8	S1	4-20 MA	AIR78	AIR78	-5/93	DEG
TP9	S1	4-20 MA	AIR79	AIR79	-5/93	DEG
TP10	S1	4-20 MA	AIR80	AIR80	-5/93	DEG
TP11	S1	4-20 MA	AIR81	AIR81	-5/93	DEG
TP12	S1	4-20 MA	AIR82	AIR82	-5/93	DEG
TP13	S1	4-20 MA	AIR83	AIR83	-5/93	DEG
TP14	S1	4-20 MA	AIR84	AIR84	-5/93	DEG
TP15	S1	4-20 MA	AIR85	AIR85	-5/93	DEG
TP16	S1	4-20 MA	AIR86	AIR86	-5/93	DEG
TP17	S1	4-20 MA	AIR87	AIR87	-5/93	DEG
TP18	S1	4-20 MA	AIR88	AIR88	-5/93	DEG
TP19	S1	4-20 MA	AIR89	AIR89	-5/93	DEG
TP20	S1	4-20 MA	AIR90	AIR90	-5/93	DEG

1 2 3 4 5 6 7 8 9 10 11 12 13 14



GENERAL NOTES

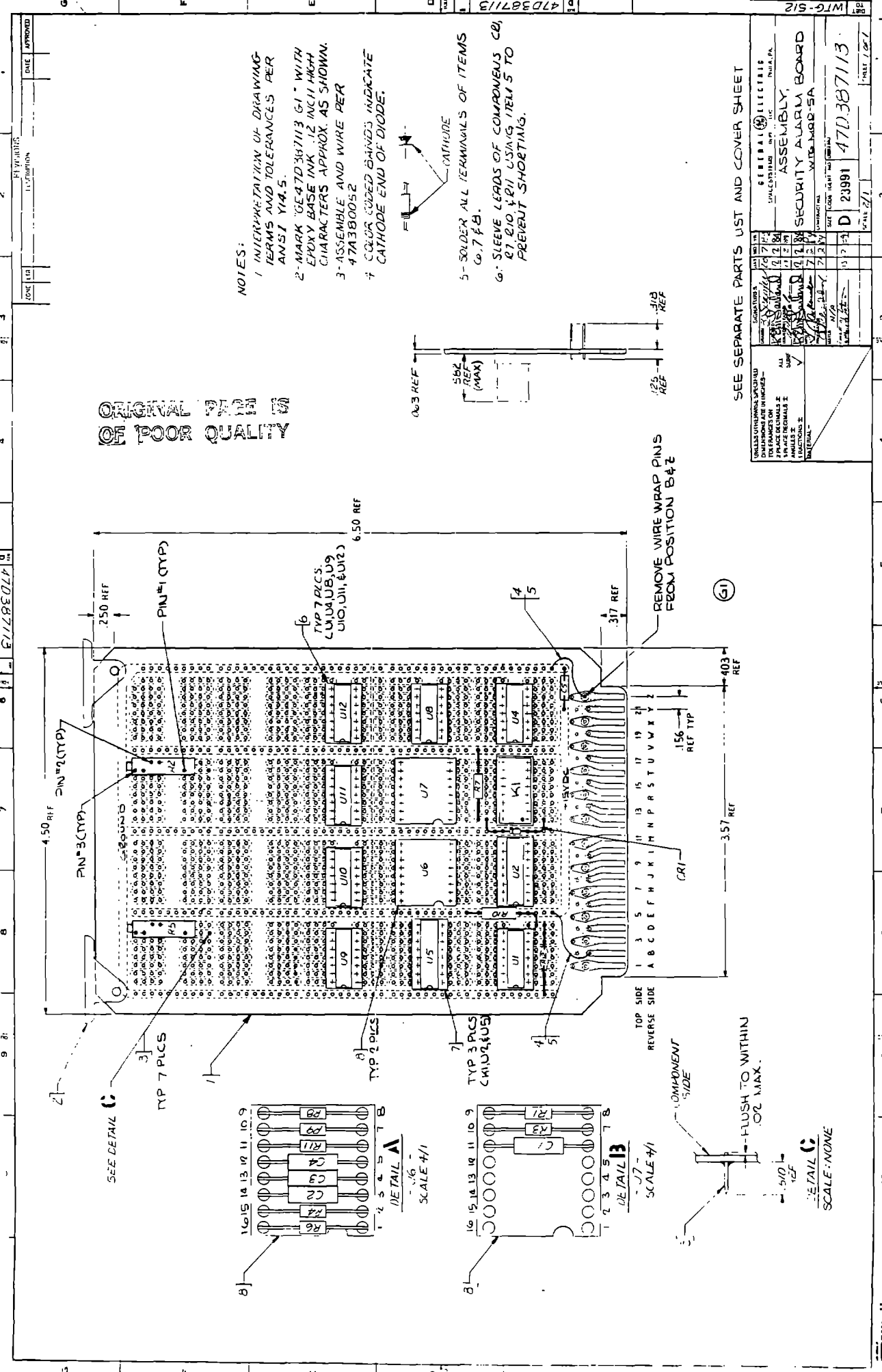
1. DENYING TOLERANCE AND TOLERANCES FOR AMT, YMS
2. INTERPRETION OF ELECTRICAL OR ELECTRONIC SYMBOLS AND REFERENCE DESIGNATIONS PER AMT 132.2 AND AMT 132.6
3. DATA WIRING SHALL BE SUBJECT TO CHANGE TO CARRY OUT DEC 471340010

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NOTE THIS DRAWING IS NOT COMPLETE ISSUED FOR AMT'S LIST AND GENERAL REQUIREMENT ONLY

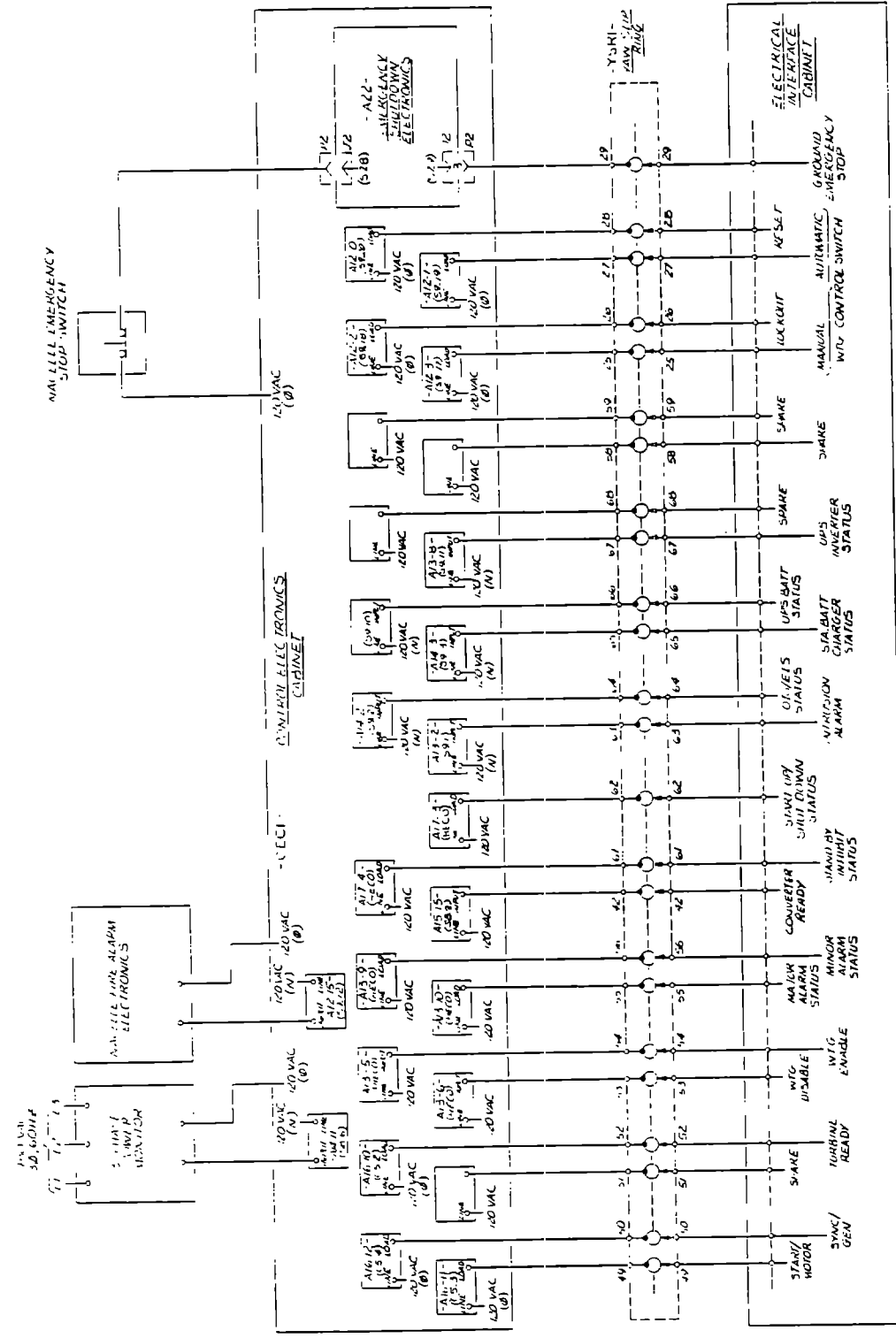
(6) ASSY

TITLE: SYSTEM DISPLAY PANEL PROJECT: 471340010 DRAWING NO: 47E337112 SHEET NO: 1 OF 1	
DESIGNED BY: [] CHECKED BY: [] APPROVED BY: []	DATE: [] SCALE: [] PART NAME: SYSTEM DISPLAY PANEL PART NUMBER: 47E337112



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- NOTES:
1 INTERMEDIATE ELECTRICAL LUMPS AND
CIRCUITS PER PART 1015.
2 INTERPRETATION OF ELECTRICAL AND
ELECTRONIC SYMBOLS AND MECHANICAL
DESIGNATION, PER PART 1015, 1016 AND 1017.2.



FUNCTION	SHEETS
BLADES	11,13
ROTOR HYDRAULICS	9,10,11,12
TAW HYDRAULICS	5
GENERATOR LUBE	3,6
LUBE SYSTEM	4
EMERGENCY SHUTDOWN	1,14
ROTOR SYSTEM	3,4
MISC CONTROL	1,2,3,6
UTILITY/BUG TIE	1,3
ALLERONS	7,8
EIS	6
TEETER	7,13

CONTROL SYSTEM
SCHEMATIC
(A10 AND 51)
7-258714

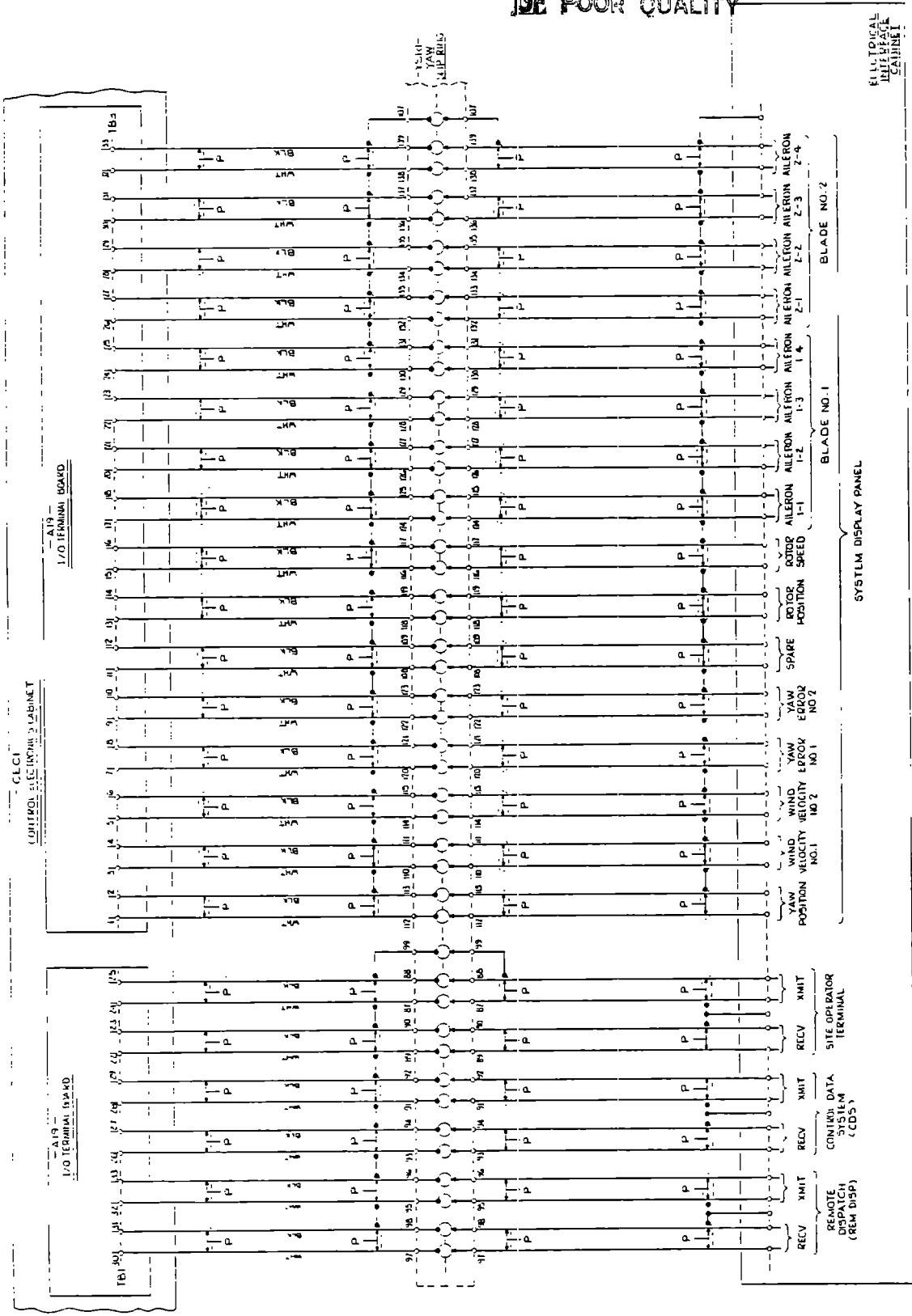
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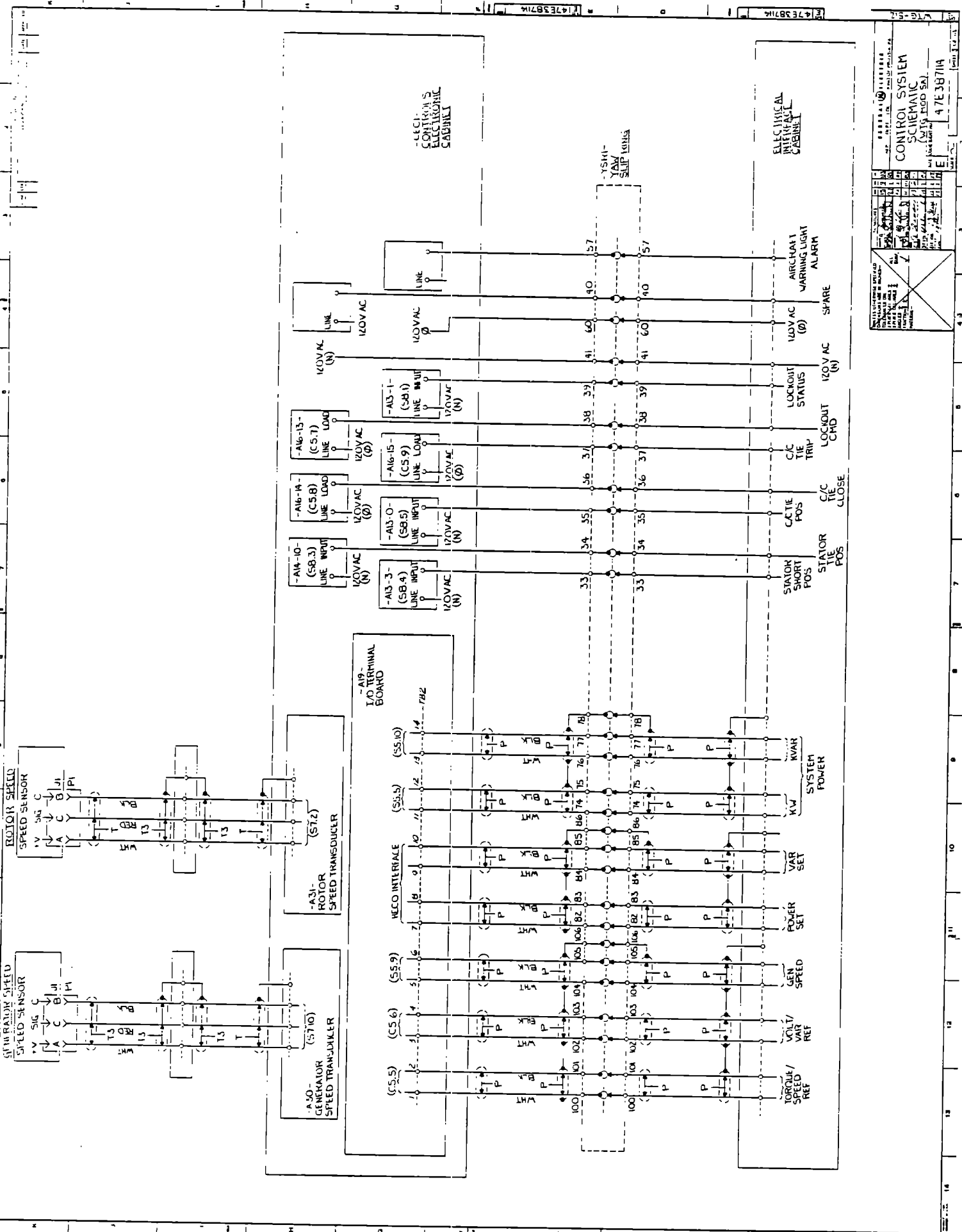
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CONTROL SYSTEM
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(7/75, 8/80, 2/82)
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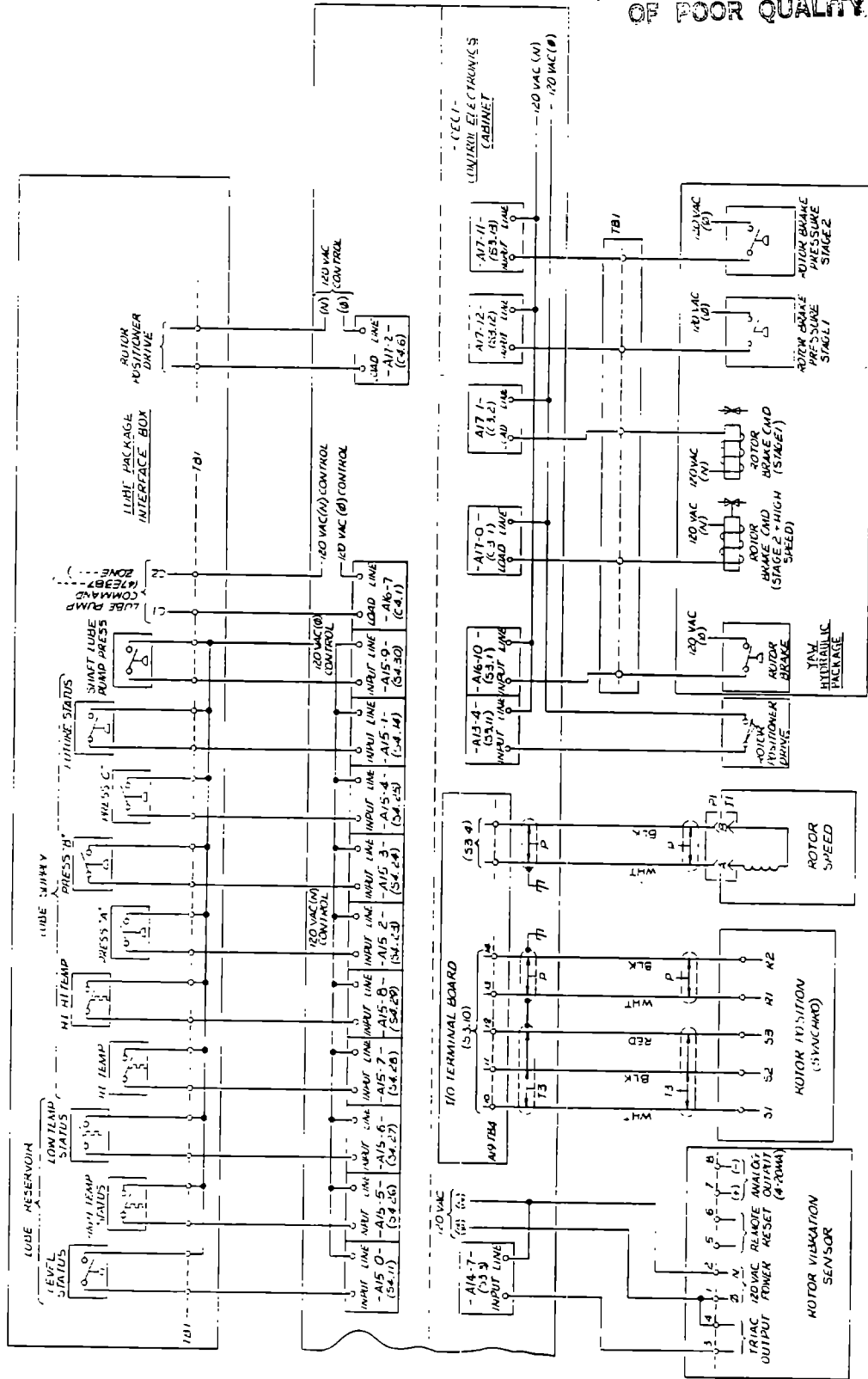
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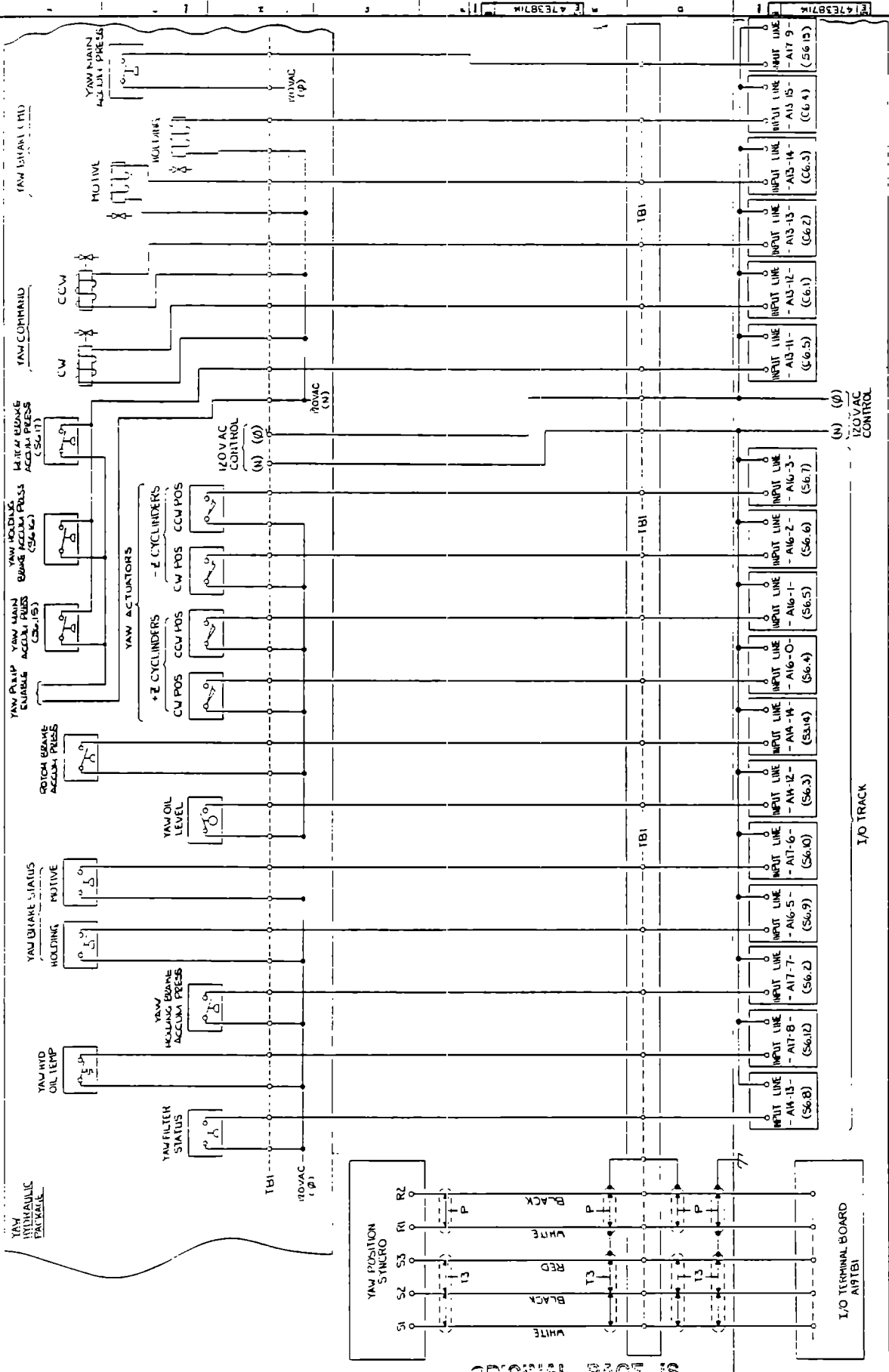
CONTROL SYSTEM SCHEMATIC
 (WITH LOGO SA)
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 ELEC. CONTROL SYSTEMS
 ELECTRONIC CABINETS
 47E38714

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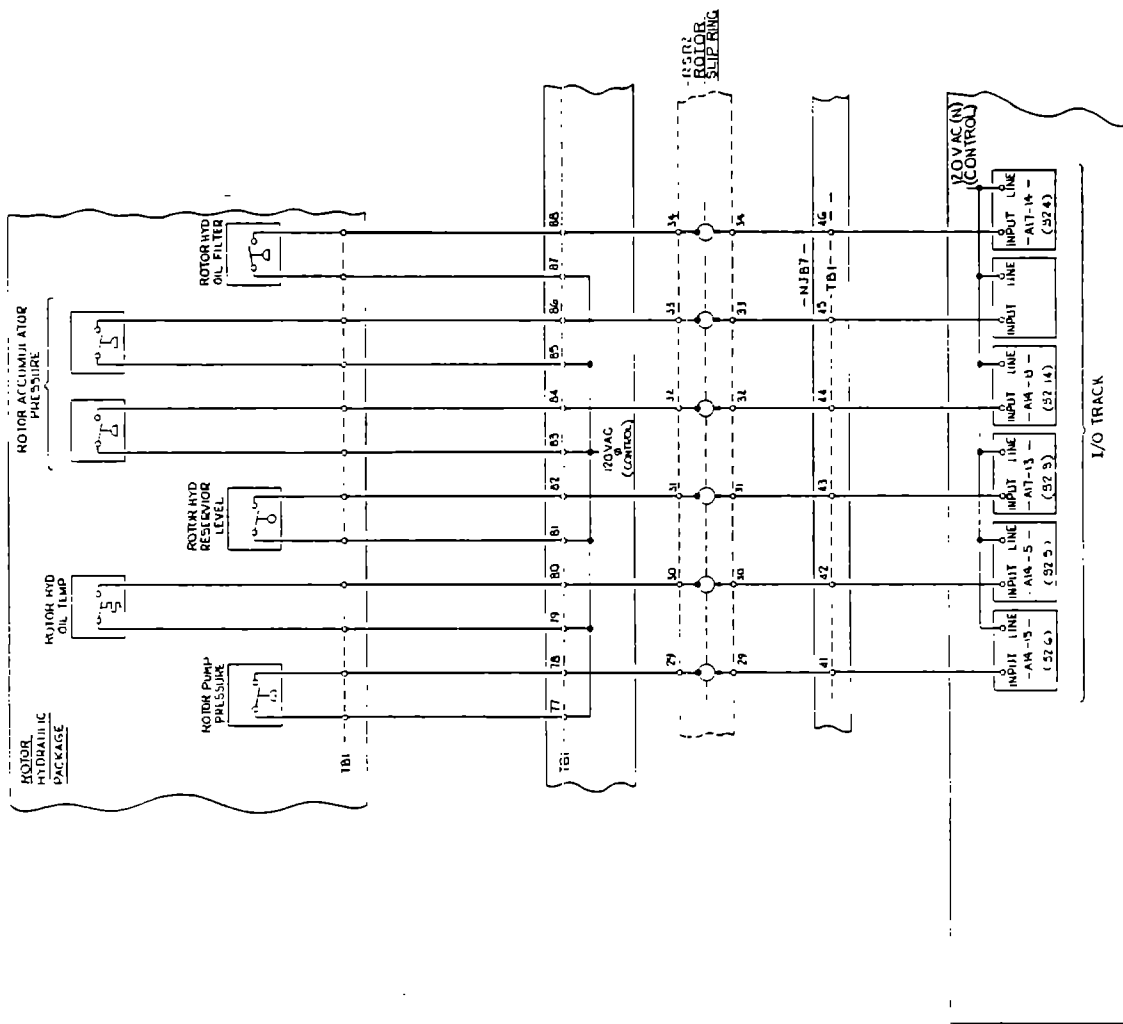
SERIAL: 41E38714
 CONTROL SYSTEM
 SCHEMATIC
 (VAC. SHIP) SA
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CONTROL SYSTEM
SCHEMATIC
(WITH MOD 5A)
47E3871A
REV 5 OF 14

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C-5

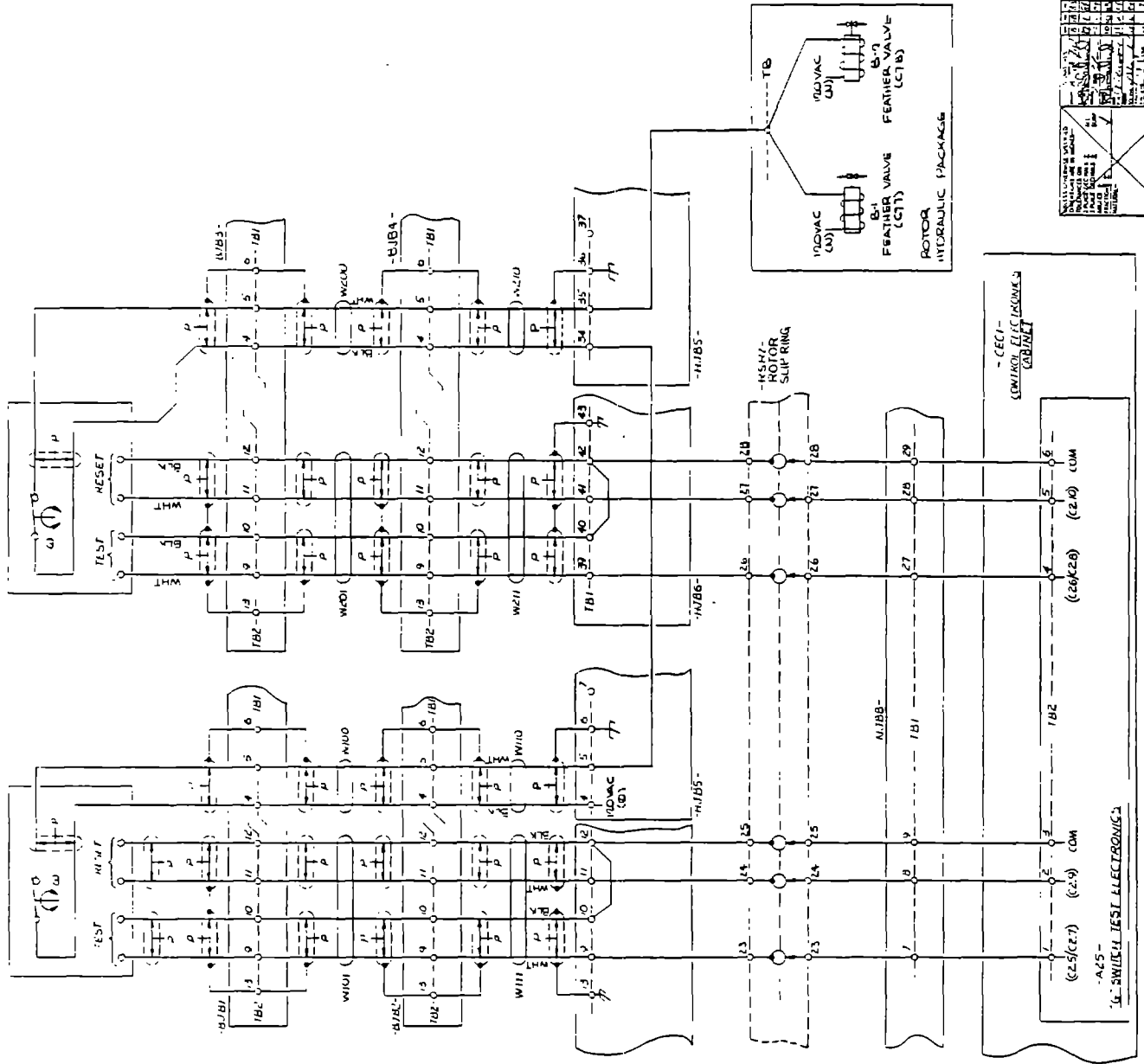


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REVISIONS
 CONTROL SYSTEM
 LCH/BAK
 (HW - NYD SA)
 DATE 11/11/74
 DRAWING # 47E38714

4" SWITCH BLADE A-02

4" SWITCH BLADE A-01



CONTROL ELECTRONICS CABINET
 CUMMINS SYSTEMS
 SCHLIMMATIC
 (MFG. AKR 50 5A)
 47E-38714

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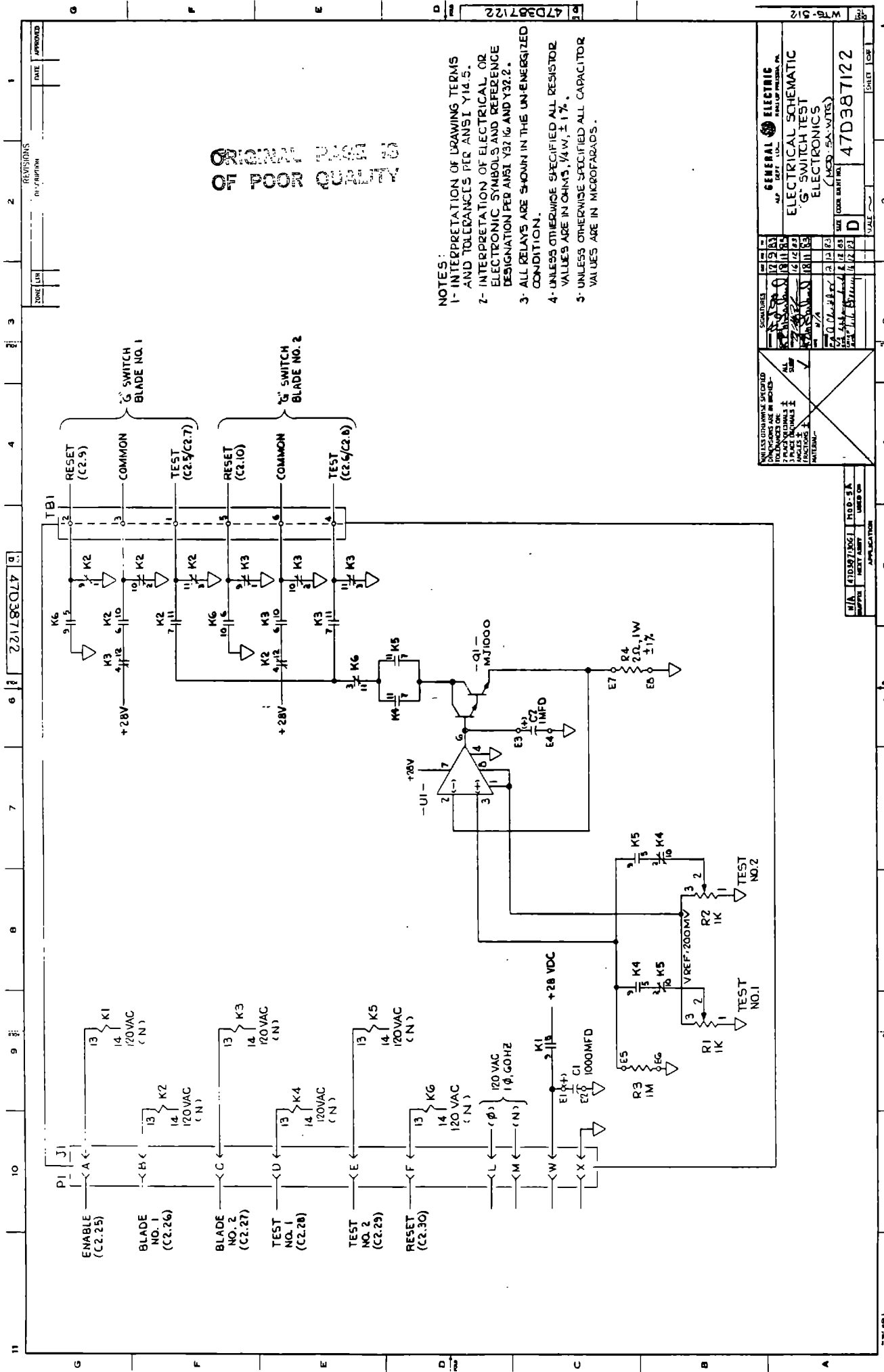
ROTOR HYDRAULIC PACKAGE
 100VAC (0)
 FEATHER VALVE (G1)
 B-1
 B-2
 FEATHER VALVE (G1B)

K5377 ROTOR SUP RING

CE-1 CONTROL ELECTRONICS CABINET

15" SWITCH TEST ELECTRONICS
 A-05
 (G25/G27) (G29) COM
 (G26/G28) (G24) COM
 (G25) COM

47E-38714



ZONE	LINE	REVISIONS	DATE	APPROVED

QUALITY

POOR

QUALITY

- NOTES:
- 1- INTERPRETATION OF DRAWING TERMS AND TOLERANCES PER ANSI Y14.5.
 - 2- INTERPRETATION OF ELECTRICAL OR ELECTRONIC SYMBOLS AND REFERENCE DESIGNATION PER ANSI Y32.1 AND Y32.2.
 - 3- ALL DELAYS ARE SHOWN IN THE UN-ENERGIZED CONDITION.
 - 4- UNLESS OTHERWISE SPECIFIED ALL RESISTOR VALUES ARE IN OHMS, 1/4 W, ± 1%.
 - 5- UNLESS OTHERWISE SPECIFIED ALL CAPACITOR VALUES ARE IN MICROFARADS.

 GENERAL ELECTRIC	
ELECTRICAL SCHEMATIC	
'G' SWITCH TEST	
ELECTRONICS	
(MCD-5A-WTS)	
DATE: 11/15/61	DRAWN BY: [Signature]
CHECKED BY: [Signature]	APPROVED BY: [Signature]
PART NO: 47D387122	REV: D

NO.	DESCRIPTION	DATE	BY
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11	REVISION		

1. Report No. NASA CR-174737		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle MOD-5A Wind Turbine Generator Program Design Report Volume IV - Drawings and Specifications Book 5				5. Report Date August, 1984	
				6. Performing Organization Code	
7. Author(s)				8. Performing Organization Report No.	
				10. Work Unit No.	
9. Performing Organization Name and Address General Electric Company Advanced Energy Programs Department P.O. Box 527 King of Prussia, PA 19406				11. Contract or Grant No. DEN 3-153	
				13. Type of Report and Period Covered Contractor Report	
12. Sponsoring Agency Name and Address U.S. Department of Energy Conservation and Renewable Energy Division of Wind Energy Technology Washington, D.C. 20545				14. Sponsoring Agency Code DOE/NASA/0153-4	
				15. Supplementary Notes Final report. Prepared under Interagency Agreement DE-AI01-79ET20305. Project Manager, T.P. Cahill, Wind Energy Project Office, NASA Lewis Research Center, Cleveland, Ohio 44135	
16. Abstract This report documents the design, development and analysis of the 7.3MW MOD-5A wind turbine generator covering work performed between July 1980 and June 1984. The report is divided into four volumes: Volume I summarizes the entire MOD-5A program, Volume II discusses the conceptual and preliminary design phases, Volume III describes the final design of the MOD-5A, and Volume IV contains the drawings and specifications developed for the final design. Volume IV contains the drawings and specifications that were developed in preparation for building the MOD-5A wind turbine generator.					
17. Key Words (Suggested by Author(s)) Renewable energy; Wind energy Wind power; Variable speed generator Wind turbine design; Wind turbine system; Wood rotor blades; Large scale wind turbine			18. Distribution Statement Unclassified - unlimited STAR Category - 44 DOE Category - UC-60		
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of pages	22. Price*

