

359B6385AA SH. NO. OAA  
 CONT. ON SH. OAB

REVISION NO.	ENGINEERING	TECHNICIAN	REVISION DATE	REVISED BY
PROJECT	REQUISITION	SHOP ORDER NO.	19-MAR-2005	
TM GE AUTOMATION SYSTEMS SALEM, VA U.S.A.		359B6385AA SH. NO. OAA CONT. ON SH. OAB		

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 G E N E R A L I N D U S T R I E S S A M P L E D R A W I N G S  
 F O R  
 D U R A - B I L T 5 : M V V A R I A B L E F R E Q U E N C Y D R I V E S

P R O J E C T :  
 R E Q U I S I T I O N :  
 I N S T R U C T I O N B O O K :

T H E S E S A M P L E D R A W I N G S A R E F O R  
 R E F E R E N C E U S E O N L Y .  
 T H E S E D R A W I N G S M A Y S H O W O P T I O N A L  
 E Q U I P M E N T T H A T M A Y N O T B E S U P P L I E D  
 O N A S P E C I F I C D R I V E O R D E R . R A T I N G S  
 S H O W N A R E F O R E X A M P L E P U R P O S E S O N L Y .

A B C D E F G H J K L M N P Q R S T U V

359B6385AA  
 CONT. DN SH. OBA  
 SH. NO. OAB

DIAGRAM	SHEET	TYPE	DESCRIPTION	DIAGRAM	SHEET	TYPE	DESCRIPTION
359B6385AA	OAA	ELEMENTARY	TITLE				
359B6385AA	OAB	ELEMENTARY	INDEX				
359B6385AA	OBA	ELEMENTARY	SYMBOLS LEGEND				
359B6385AA	OBD	ELEMENTARY	SYMBOL CROSS-REFERENCE - 3				
359B6385AA	OCA	ELEMENTARY	PRODUCT NOTES				
359B6385AA	ODA	ELEMENTARY	GROUNDING				
359B6385AA	10AA-10EE	ELEMENTARY	600KV, 4160VAC, FRAME 0				
359B6385AA	11AA-11EE	ELEMENTARY	746KV, 4160VAC, FRAME 1				
359B6385AA	12AA-12EE	ELEMENTARY	1850KV, 4160VAC, FRAME 2				
359B6385AA	13AA-13EE	ELEMENTARY	2500KV, 4160VAC, FRAME 3				
359B6385AA	14AA-14EE	ELEMENTARY	4000KV, 4160VAC, FRAME 4				
359B6385AA	20AA-20EE	ELEMENTARY	373KV, 4160VAC, FRAME 0 w/ MANUAL BYPASS				
359B6385AG	01-19	SCHEMATIC	PRODUCT DRAWING, 4160VAC FRAME 0				
359B6385AH	01-19	SCHEMATIC	PRODUCT DRAWING, 4160VAC FRAME 1				
359B6385AJ	01-19	SCHEMATIC	PRODUCT DRAWING, 4160VAC FRAME 2				
359B6385AK	01-19	SCHEMATIC	PRODUCT DRAWING, 4160VAC FRAME 3				
359B6385AL	01-19	SCHEMATIC	PRODUCT DRAWING, 4160VAC FRAME 4				

359B6385AA  
 CONT. DN SH. OBA  
 SH. NO. OAB

TM GE  
 AUTOMATION SYSTEMS  
 SALEM, VA U.S.A.

REVISION NO. PROJECT REQUISITION SHOP ORDER NO. DRAWN 19-MAR-2005  
 REVISION DATE TECHNICAL REVISIONS  
 REVISOR BY

DIAGRAM	SHEET	TYPE	DESCRIPTION	DIAGRAM	SHEET	TYPE	DESCRIPTION
359B6385AA	OAA	ELEMENTARY	TITLE				
359B6385AA	OAB	ELEMENTARY	INDEX				
359B6385AA	OBA	ELEMENTARY	SYMBOLS LEGEND				
359B6385AA	OBD	ELEMENTARY	SYMBOL CROSS-REFERENCE - 3				
359B6385AA	OCA	ELEMENTARY	PRODUCT NOTES				
359B6385AA	ODA	ELEMENTARY	GROUNDING				
359B6385AA	10AA-10EE	ELEMENTARY	600KV, 4160VAC, FRAME 0				
359B6385AA	11AA-11EE	ELEMENTARY	746KV, 4160VAC, FRAME 1				
359B6385AA	12AA-12EE	ELEMENTARY	1850KV, 4160VAC, FRAME 2				
359B6385AA	13AA-13EE	ELEMENTARY	2500KV, 4160VAC, FRAME 3				
359B6385AA	14AA-14EE	ELEMENTARY	4000KV, 4160VAC, FRAME 4				
359B6385AA	20AA-20EE	ELEMENTARY	373KV, 4160VAC, FRAME 0 w/ MANUAL BYPASS				
359B6385AG	01-19	SCHEMATIC	PRODUCT DRAWING, 4160VAC FRAME 0				
359B6385AH	01-19	SCHEMATIC	PRODUCT DRAWING, 4160VAC FRAME 1				
359B6385AJ	01-19	SCHEMATIC	PRODUCT DRAWING, 4160VAC FRAME 2				
359B6385AK	01-19	SCHEMATIC	PRODUCT DRAWING, 4160VAC FRAME 3				
359B6385AL	01-19	SCHEMATIC	PRODUCT DRAWING, 4160VAC FRAME 4				

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**LOCATIONS**

SUPPLIED BY OTHERS---DISCLAIMER:  
 THE INFORMATION APPEARING IN THIS DOCUMENT  
 INDICATED BY [ ] WAS OBTAINED BY THE GE  
 FROM A THIRD PARTY AND IS PROVIDED SOLELY AS A  
 CONVENIENCE. THE GE HAS NOT INDEPENDENTLY  
 VERIFIED SUCH INFORMATION AND, THEREFORE, DOES  
 NOT WARRANT ITS ACCURACY OR SAFE OPERATION.

**NON-FACTORY CONNECTIONS**

ALL CONNECTIONS WHICH MUST BE MADE BY THE  
 CUSTOMER WILL BE DESIGNATED WITH A SLASHED  
 LINE ACROSS THE WIRE AND WILL HAVE A POWER  
 LEVEL CODE ADJACENT TO THE SLASH.

- /PS POWER WIRING OVER 800V AND/OR 800A
- /P POWER WIRING 0 TO 800V 20 TO 800A
- /H HIGH LEVEL WIRING 24 TO 160 VAC 50 TO 250 VDC 0-20 AMPS
- /L LOW LEVEL WIRING 0 TO 24VAC 77-50VDC

NOTE: LEVEL DESIGNATIONS ARE CURRENT AS WELL AS VOLTAGE DEPENDENT

**DEVICES**

- [Symbol] THERMAL SWITCH
- [Symbol] LIMIT SWITCH (N.C.)
- [Symbol] THERMAL JUMPER
- [Symbol] CENTRIFUGAL SPEED SWITCH
- [Symbol] SELECTOR SWITCH (1)
- [Symbol] SELECTOR SWITCH (2)
- [Symbol] THERMAL SWITCH (N.C.)
- [Symbol] LIMIT SWITCH (N.O.)
- [Symbol] THERMAL JUMPER
- [Symbol] CENTRIFUGAL SPEED SWITCH
- [Symbol] SELECTOR SWITCH (1)
- [Symbol] SELECTOR SWITCH (2)
- [Symbol] FAN
- [Symbol] AC COIL SUPPRESSION
- [Symbol] DC COIL SUPPRESSION

**SYMBOL LEGEND**

**CONVENTIONS**

- [Symbol] TWISTED PAIR WIRE
- [Symbol] TWISTED SHIELDED PAIR WIRE
- [Symbol] SHIELDED PAIR WIRE
- [Symbol] HARNESS WIRING
- [Symbol] DUPLEX FIBER OPTIC
- [Symbol] SIMPLEX FIBER OPTIC
- [Symbol] CARD PLUG OR MULTI-PORT CONNECTOR
- [Symbol] RJ45 PLUG USED FOR ISIRIS AND ETHERNET CONNECTIONS
- [Symbol] FIBER OPTIC CABLE
- [Symbol] BALONEY CABLE
- [Symbol] PLUG TERMINATION
- [Symbol] PLUG WITH SCREW TERMINATION
- [Symbol] A SLASH NEXT TO A CONNECTION POINT MEANS "NOT". I.E. /B = NOT B
- [Symbol] INTERPRETED AS 2TB(G)
- [Symbol] DEVICE STAB
- [Symbol] TERMINAL BOARD DESIGNATIONS
- [Symbol] TERMINAL BOARD JUMPER PLUG
- [Symbol] DELTA
- [Symbol] WYE
- [Symbol] SHIELDS OR OTHER WIRES THAT ARE INTENDED TO BE AT EARTH POTENTIAL
- [Symbol] CHASSIS GROUND
- [Symbol] INTERNAL COMMON

REVISION NO.	ENGINEERING	PROJECT
REVISION DATE	TECHNICIAN	REQUISITION
REVISION BY	DRAWN	SMP ORDER NO.
	19-MAR-2005	
AUTOMATION SYSTEMS		
SALEM, VA U.S.A.		
359B6385AA SH. NO. OBA		
CONT. ON SH. OCA		
ELEMENTARY DIAGRAM		
SYMBOL LEGEND		
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12	J	
13	H	
14	G	
15	F	
16	E	
17	D	
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