

US BOTTLERS MACHINERY CO

RDC-10-22"

NOTES:

- * FIELD WIRES SHALL BE A MINIMUM OF 14 GAUGE THHN OR US BOTTLERS SUPPLIED CABLE.
- * FIELD CONDUCTORS SHALL BE COPPER ONLY.
- * FIELD CONDUCTORS SHALL BE RATED FOR 60°C.
- * ALL WIRING SHALL COMPLY WITH ALL APPLICABLE SECTIONS OF THE NEC AS WELL AS ALL STATE AND LOCAL CODES.
- * CONDUIT CONNECTION HUBS MUST BE RATED TO UL TYPE 4X
- EXAMPLE: T&B MYERS HUB P/N: HUB-3/4-G
- * REFER TO MOTOR OVERLOAD DEVICE MANUFACTURER LITERATURE FOR RECOMMENDED SETTINGS AND ADJUSTMENT INFO.

TORQUE SPECIFICATIONS:

- MAIN DISCONNECT BREAKER: 250 LB-IN.
- VFD MOTOR CONNECTION TERMINALS: 16-19 LB-IN
- INPUT MODULE TERMINAL: 3.5 LB-IN
- FIELD WIRING TERMINAL BLOCKS: 3.7-7.1 LB-IN.

NAMEPLATE DATA:

MFG BY: US BOTTLERS MACHINERY CO.
VOLTAGE: 208VAC
PHASE: 3
HERTZ: 60
TOTAL FLA: 32.75 AMPS
LARGEST MOTOR FLA: 13.75 AMPS
SCCR: 5KA
DIAGRAMS: 98000E0-98000E13

WIRE COLOR:

- RED: 115VAC
- WHITE: 115VAC NEUTRAL
- BLUE: 24VDC+
- BLUE/WHITE: 24VDC-

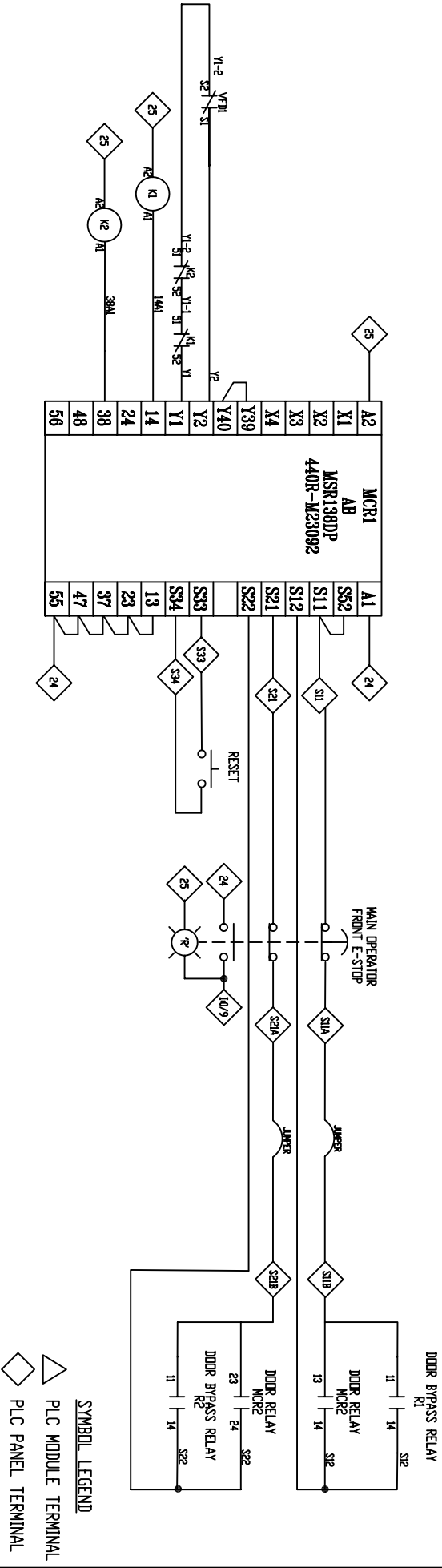
GLAXO SMITH KLINE

REVISIONS		
ITEM	DESCRIPTION	DATE BY

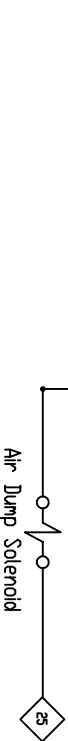
COVER PAGE

U.S. BOTTLERS MACH'Y CO.			
DRAWN BY:	CMS	SCALE:	1"=2'
TR'D BY:		DATE:	11/13/14
CHK'D BY:			

REVISONS		
ITEM	DESCRIPTION	DATE BY



Terminal 26 supplies power to PLC output modules.



GLAXO SMITH KLINE

MCR E-STOP CIRCUIT

U.S. BOTTLERS MACH'Y CO.

DRN BY: CMS SCALE: 1"=2'

TR'D BY: DATE: 11/13/14

CH'D BY:

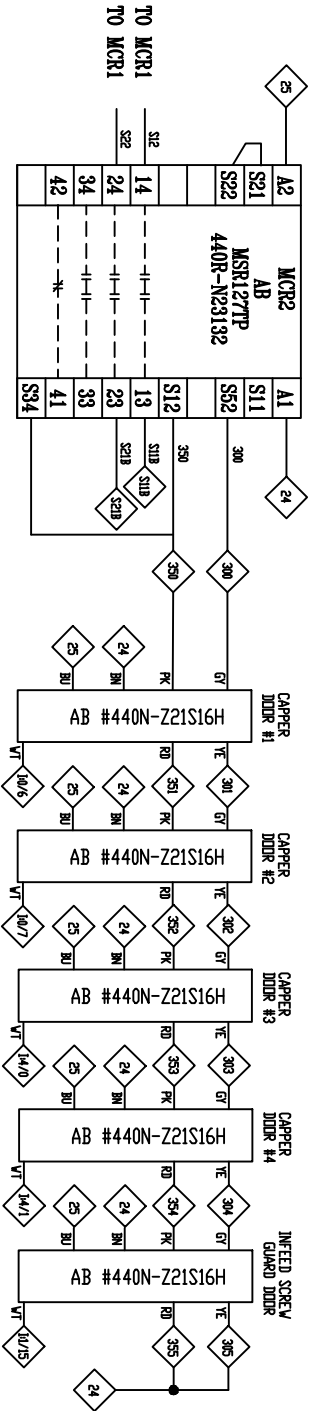
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED: DECIMAL +/- .005 FRACTIONAL +/- 1/64 ANGULAR +/- .00 30W

DRAWING NO.

98000E0

REVISIONS		
ITEM	DESCRIPTION	DATE BY

CAPPER
DOORS



- SYMBOL LEGEND
- △ PLC MODULE TERMINAL BLOCK
 - ◇ PLC PANEL TERMINAL BLOCK
 - OPERATOR J-BOX

GLAXO SMITH KLINE

MCR E-STOP CIRCUIT

U.S. BOTTLERS MACH'Y CO.

DRN BY: CMS SCALE: 1'-2"

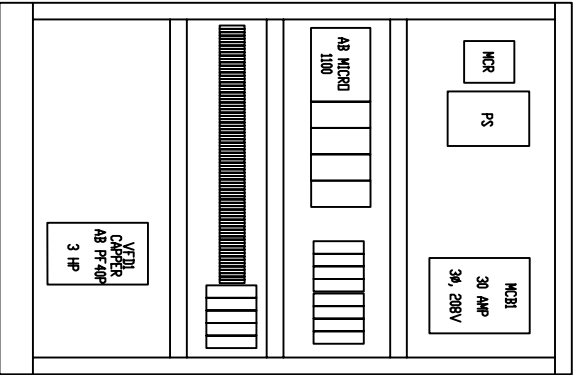
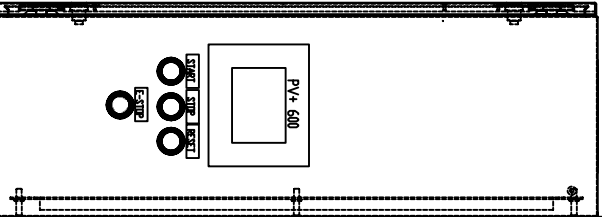
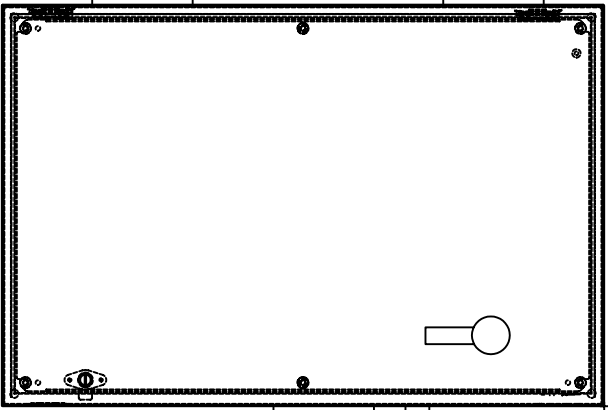
TRD BY: DATE: 11/17/14

CHD BY:

TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED: DECIMAL -- .005 FRACTIONAL -- 1/64 ANGULAR -- .03 .30M

DRAWING NO. 98000E1

REVISIONS			
ITEM	DESCRIPTION	DATE	BY



GLAXO SMITH KLINE

PANEL LAYOUTS

U.S. BOTTLERS MACH'Y CO.

DRAWN BY: CMS SCALE: 1=2.5

TR'D BY: DATE: 11/17/14

CHK'D BY:

DRAWING NO. 98000E2

INFEED SIDE
MAIN PLC PANEL
(36" X 30" X 12")

PNEUMATIC MANIFOLD

TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED: DECIMAL: +- .005 FRACTIONAL: +- 1/64 ANGULAR: +- .00 30°



POWER DISTRIBUTION

U.S. BOTTLERS MACH'Y CO.

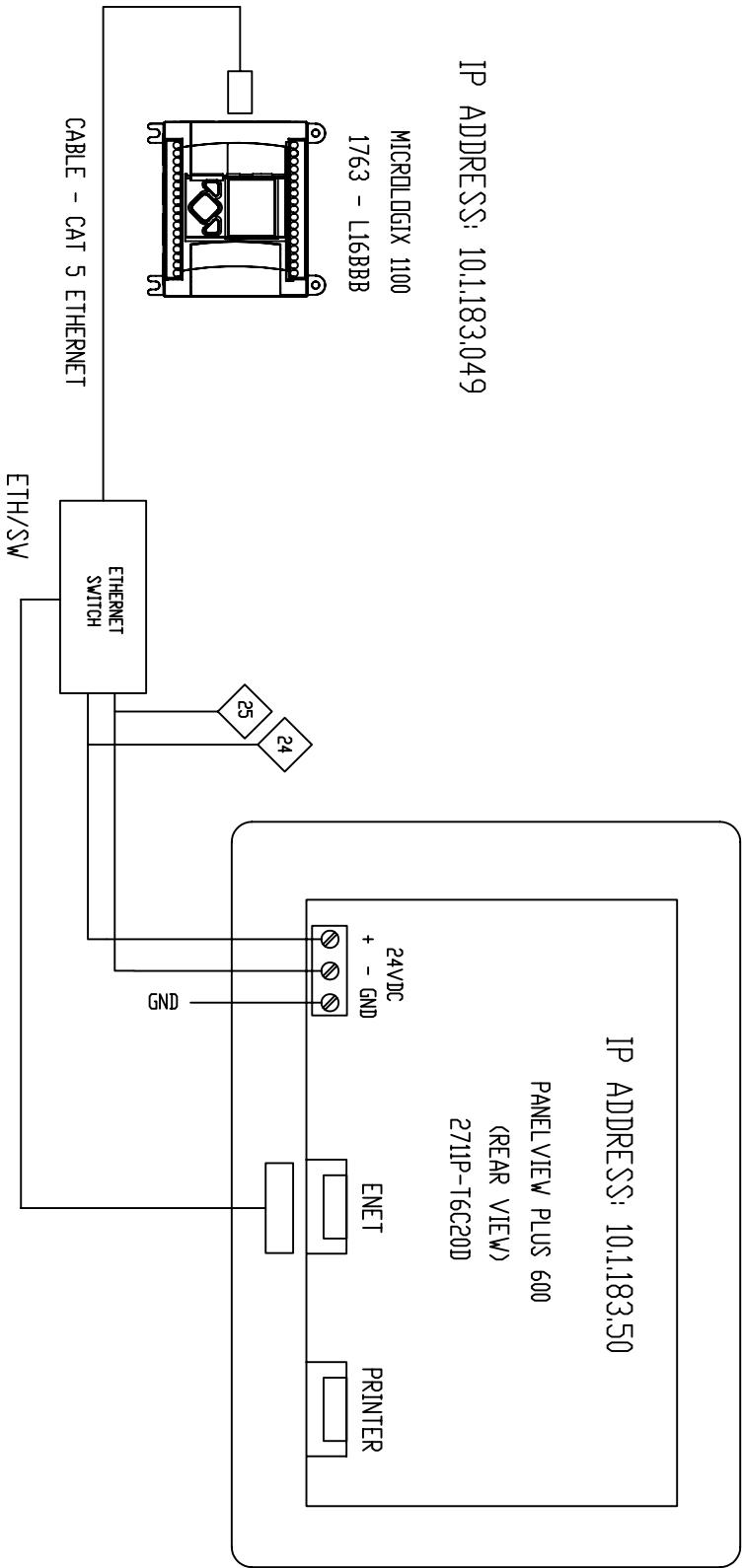
DRN BY:

TRD BY:	DATE: 11/17/14
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CH'D BY:

DRAWING NO. 98000E3

REVISIONS			
ITEM	DESCRIPTION	DATE	BY



GLAXO SMITH KLINE

OPERATOR INTERFACE WIRING

U.S. BOTTLERS MACH'Y CO.

DRAWN BY: CMS SCALE: 1=3

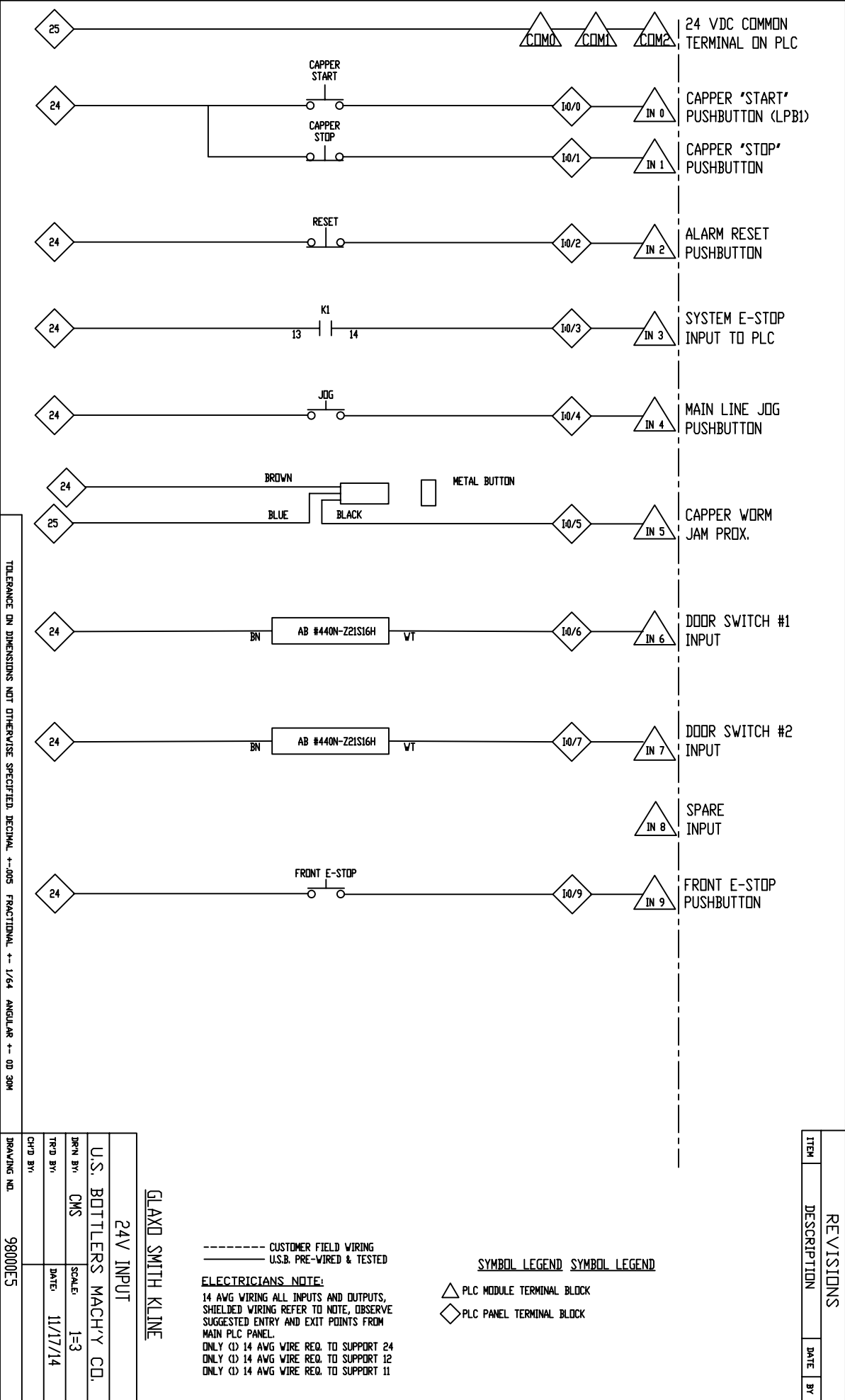
TR'D BY: DATE: 11/17/14

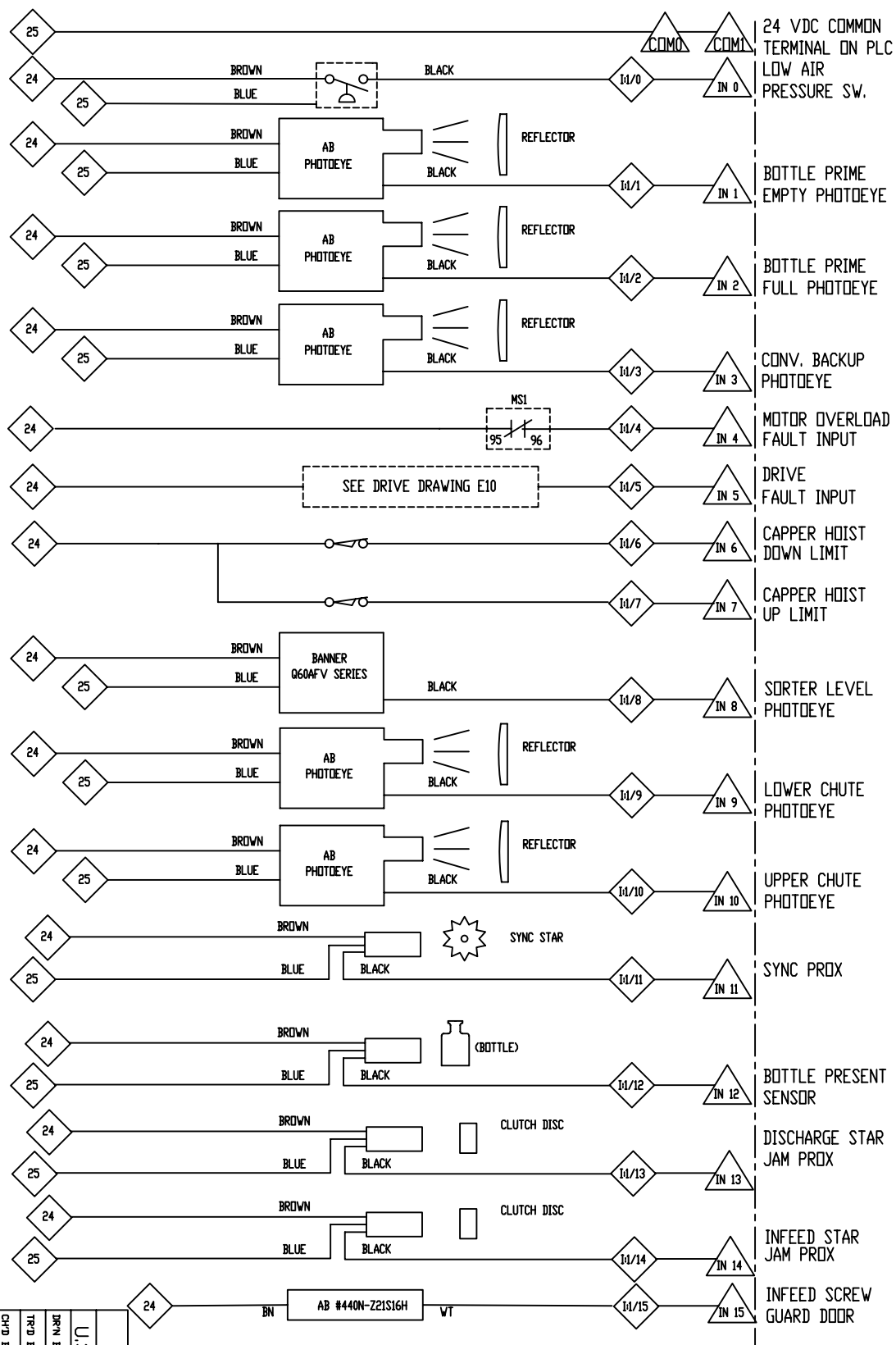
CHK'D BY:

TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED, DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm .00$ 30M

DRAWING NO.

98000E4





GLAXO SMITH KLINE

U.S. BOTTLERS MACH'Y CO.

DRN BY:	CMS
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SCALE:	1=3
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TR'D BY:

DATE:	11/17/
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CH'D BY

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----- CUSTOMER FIELD WIRING
 _____ U.S.B. PRE-WIRED & TESTED

SYMBOL LEGEND SYMBOL LEGEND

REVISIONS			
ITEM	DESCRIPTION	DATE	BY

TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED, DECIMAL +- .005 FRACTIONAL +- 1/64 ANGULAR +- .00 30M

DRAWING NO. 98000E7	
CHK'D BY:	
TR'D BY:	DATE: 11/17/14
DRN BY:	SCALE: 1=3
U.S. BOTTLERS MACH'Y CO.	
24V OUTPUT	

GLAXO SMITH KLINE

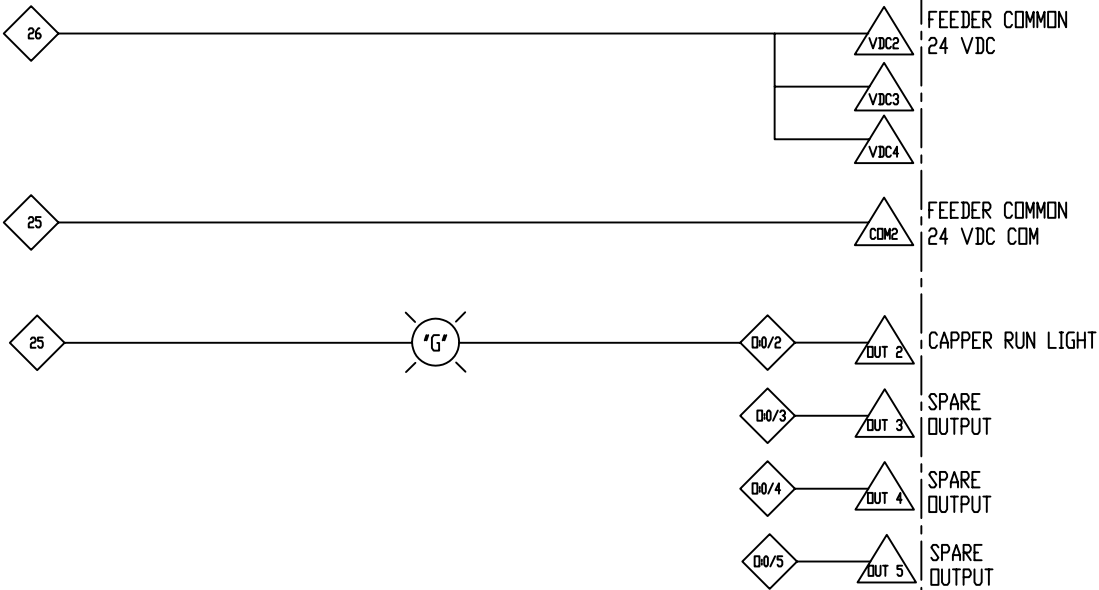
----- CUSTOMER FIELD WIRING
————— U.S.B. PRE-WIRED & TESTED

ELECTRICIANS NOTE:
14 AWG WIRING ALL INPUTS AND OUTPUTS, SHIELDED WIRING REFER TO NOTE, OBSERVE SUGGESTED ENTRY AND EXIT POINTS FROM MAIN PLC PANEL.
ONLY (D) 14 AWG WIRE REQ. TO SUPPORT 24
ONLY (D) 14 AWG WIRE REQ. TO SUPPORT 12
ONLY (D) 14 AWG WIRE REQ. TO SUPPORT 11

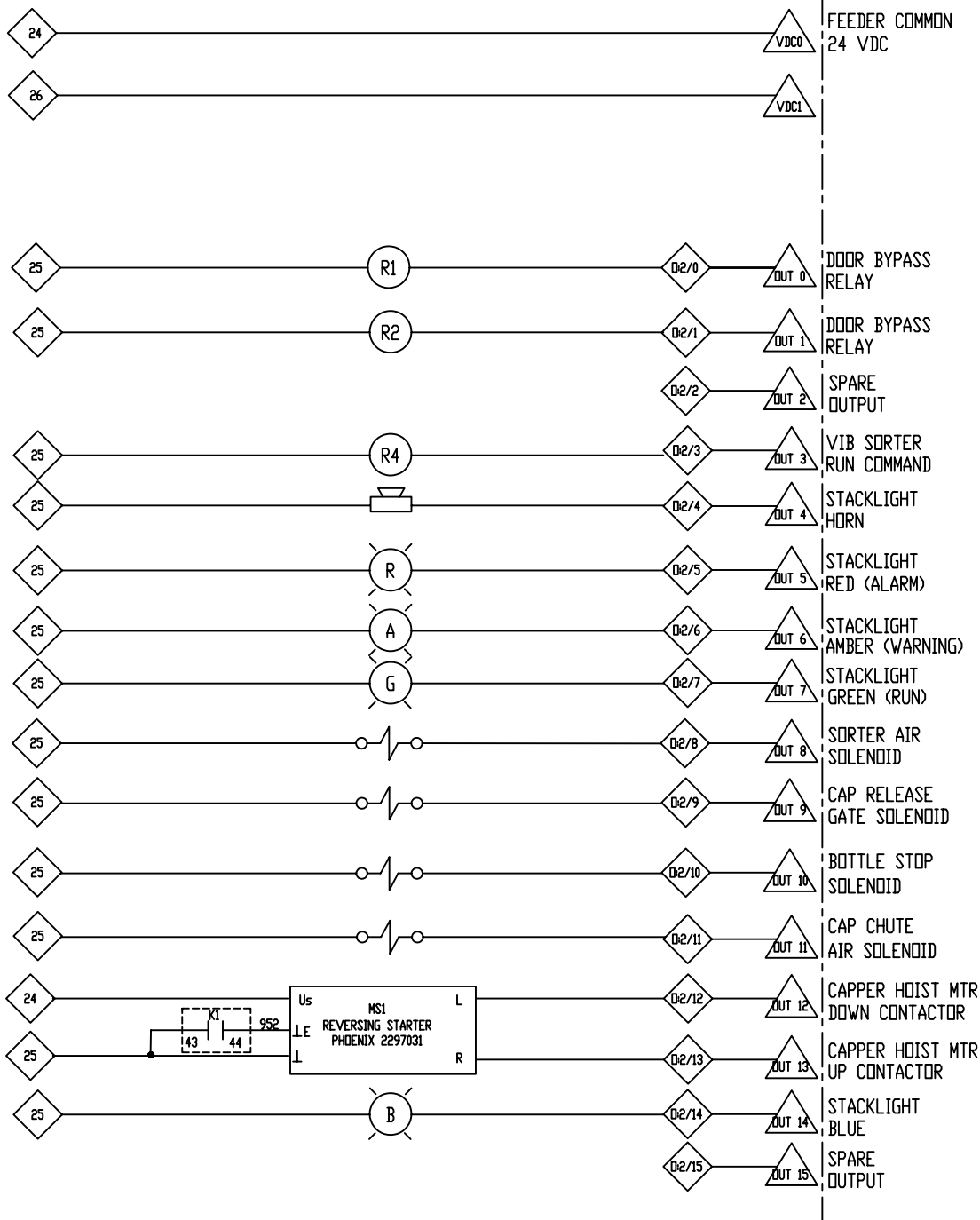
SYMBOL LEGEND

- △ PLC MODULE TERMINAL BLOCK
◇ PLC PANEL TERMINAL BLOCK

REVISIONS		
ITEM	DESCRIPTION	DATE BY



TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED, DECIMAL +- .005 FRACTIONAL +- 1/64 ANGULAR +- .00 30M



GLAXO SMITH KLINE

----- CUSTOMER FIELD WIRING
----- U.S.B. PRE-WIRED & TESTED

ELECTRICIANS NOTE:

14 AWG WIRING ALL INPUTS AND OUTPUTS, SHIELDED WIRING REFER TO NOTE, OBSERVE SUGGESTED ENTRY AND EXIT POINTS FROM MAIN PLC PANEL.
ONLY (D) 14 AWG WIRE REQ. TO SUPPORT 24
ONLY (D) 14 AWG WIRE REQ. TO SUPPORT 12
ONLY (D) 14 AWG WIRE REQ. TO SUPPORT 11

- △ PLC MODULE TERMINAL BLOCK
◇ PLC PANEL TERMINAL BLOCK
□ PREFEEDER JUNCTION BOX

SYMBOL LEGEND

REVISIONS		
ITEM	DESCRIPTION	DATE BY

MODULE 2 - 24V OUTPUT		
U.S. BOTTLERS MACH'Y CO.		
DRWN BY: CMS	SCALE: 1=3	DATE: 11/17/14
TR'D BY:	DATE:	
CHK'D BY:	98000E8	

TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED, DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm .00300^\circ$

DRAWING NO.		98000E9	
DRN BY:	CMS	SCALE:	1=3
TRD BY:		DATE:	11/17/14
CHD BY:			

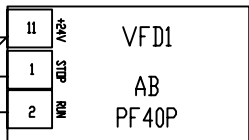
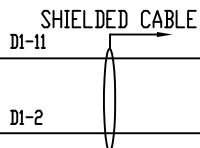
GLAXO SMITH KLINE

DRIVE COMMANDS

U.S. BOTTLERS MACH'Y CO.

DRN BY:	CMS	SCALE:	1=3
TRD BY:		DATE:	11/17/14
CHD BY:			

VFD1
CAPPER DRIVE
RUN COMMAND
(Q:0/0)



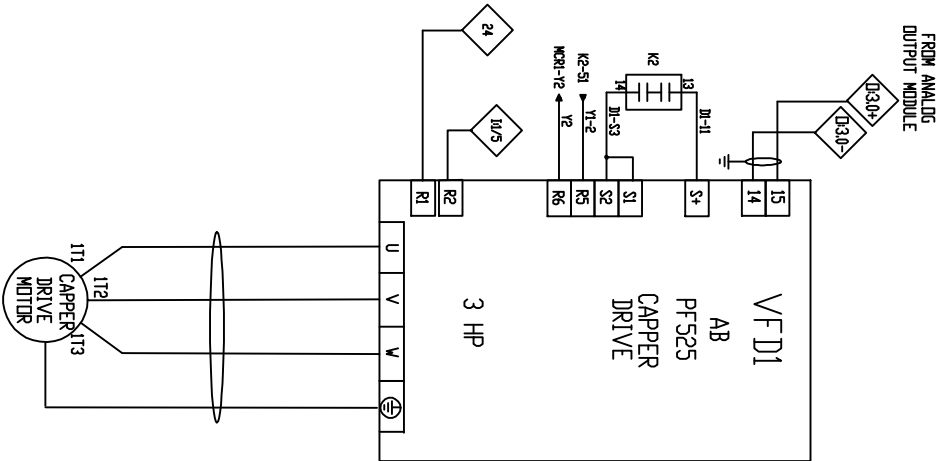
SYMBOL LEGEND

- △ PLC MODULE TERMINAL
- ◇ PLC PANEL TERMINAL

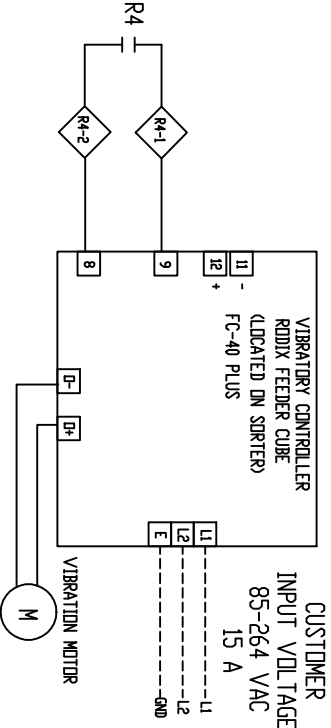
----- CUSTOMER FIELD WIRING
———— U.S.B. PRE-WIRED & TESTED

REVISIONS		
ITEM	DESCRIPTION	DATE BY

REVISIONS		
ITEM	DESCRIPTION	DATE BY



NOTES:
 1 - ALL WIRING TO CONFORM TO NEC AND LOCAL CODES.
 2 - FOR PROPER PHASING AND ROTATION THE MOTORS AND ENCODERS MUST BE CONNECTED EXACTLY AS SHOWN.

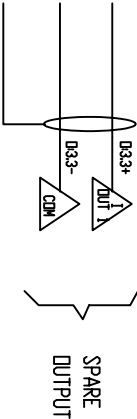
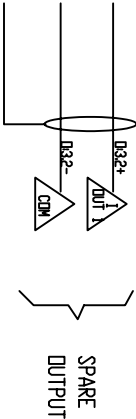
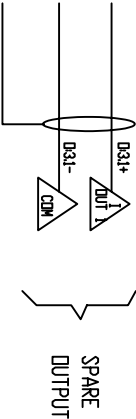
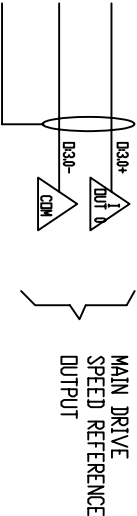


PREFEEDER JUNCTION BOX
 CUSTOMER FIELD WIRING
 U.S.B. PRE-WIRED & TESTED

GLAXO SMITH KLINE			
VFD SPEED COMMANDS			
U.S. BOTTLERS MACH'Y CD.	CMS	SCALE	1'-3"
TRD BY:	DATE	11/17/14	
CHD BY:			
DRAWING NO.	98000E10		

REVISIONS			
ITEM	DESCRIPTION	DATE	BY

1762-DF 4



SYMBOL LEGEND

GLAXO SMITH KLINE

MODULE 3 - ANALOG I/O			
U.S. BOTTLERS MACH'Y CO.			
DRAWN BY:	CMS	SCALE:	1"=1.5'
TR'D BY:		DATE:	11/17/14
CHK'D BY:			
DRAWING NO.	98000E11		

*NOTE #1: SHIELDED CABLE ONLY,
TERMINATE SHIELD IN MAIN
PLC PANEL ONLY AT
SHLD TERMINAL.

TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED, DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm .00$ 30M

TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED, DECIMAL -- .005 FRACTIONAL -- 1/64 ANGULAR -- .00 30M

MODULE 4 - 24V INPUT			
U.S. BOTTLERS MACH'Y CO.			
BRN BY:	CMS	SCALE:	1-3
TRD BY:		DATE:	11/17/14
CHD BY:			
DRAWING NO.	98000E12		

GLAXO SMITH KLINE

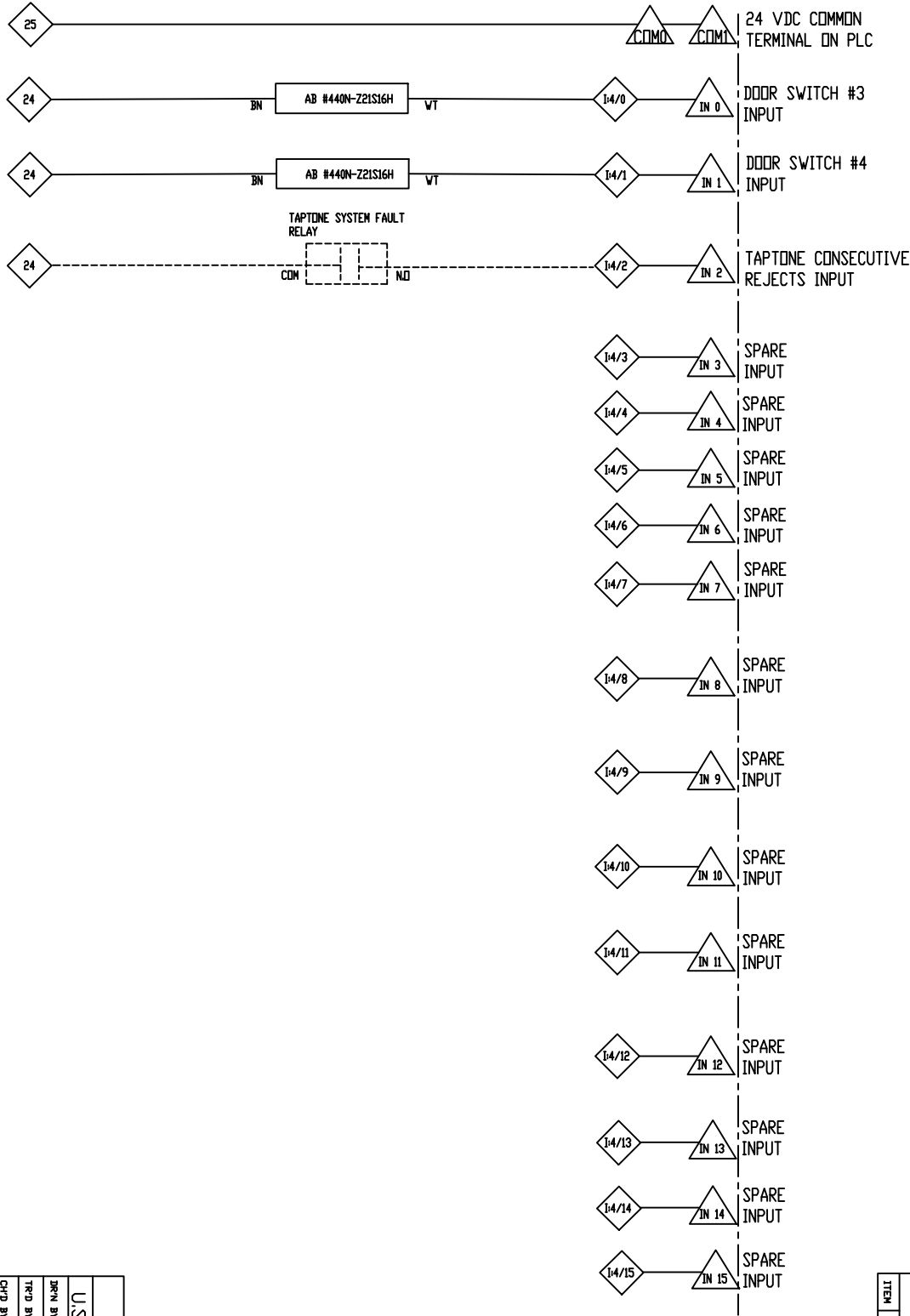
----- CUSTOMER FIELD WIRING
----- U.S.B. PRE-WIRED & TESTED

ELECTRICIANS NOTE:

14 AWG WIRING ALL INPUTS AND OUTPUTS,
SHIELDED WIRING REFER TO NOTE, OBSERVE
SUGGESTED ENTRY AND EXIT POINTS FROM
MAIN PLC PANEL.
ONLY (1) 14 AWG WIRE REQ. TO SUPPORT 24
ONLY (1) 14 AWG WIRE REQ. TO SUPPORT 12
ONLY (1) 14 AWG WIRE REQ. TO SUPPORT 11

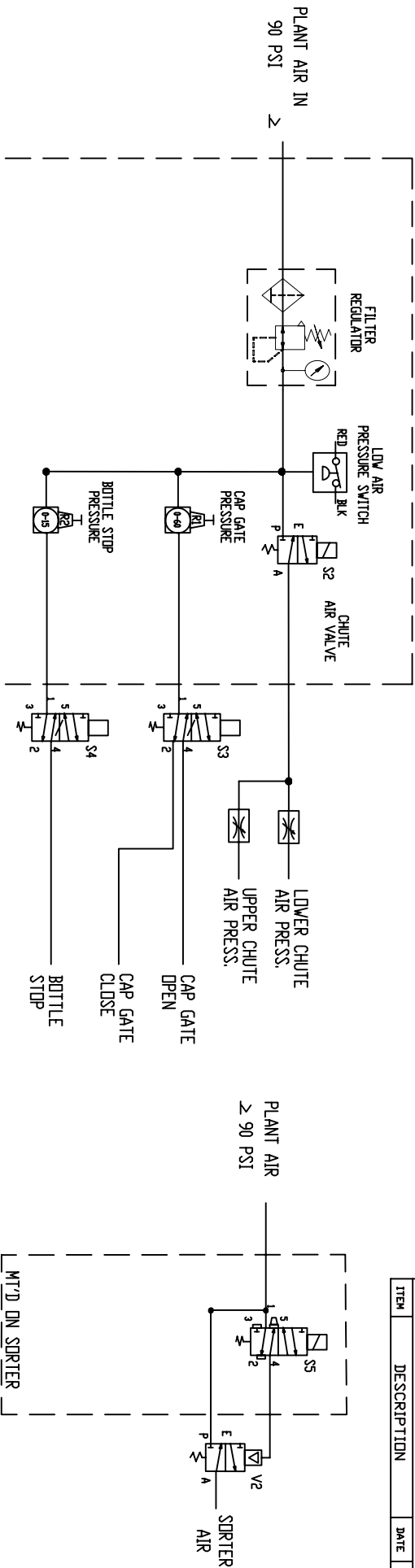
SYMBOL LEGEND SYMBOL LEGEND

- △ PLC MODULE TERMINAL BLOCK
◇ PLC PANEL TERMINAL BLOCK



REVISIONS		
ITEM	DESCRIPTION	DATE BY

REVISIONS			
ITEM	DESCRIPTION	DATE	BY



GLAXO SMITH KLINE

PNEUMATIC PANEL AIR PIPING

U.S. BOTTLERS MACH'Y CO.

DRAWN BY: CMS SCALE: 1"=1'

TR'D BY: DATE: 11/17/14

CHK'D BY:

MT'D ON PANEL TOP

TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED, DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm .00$ 30M

98000E13