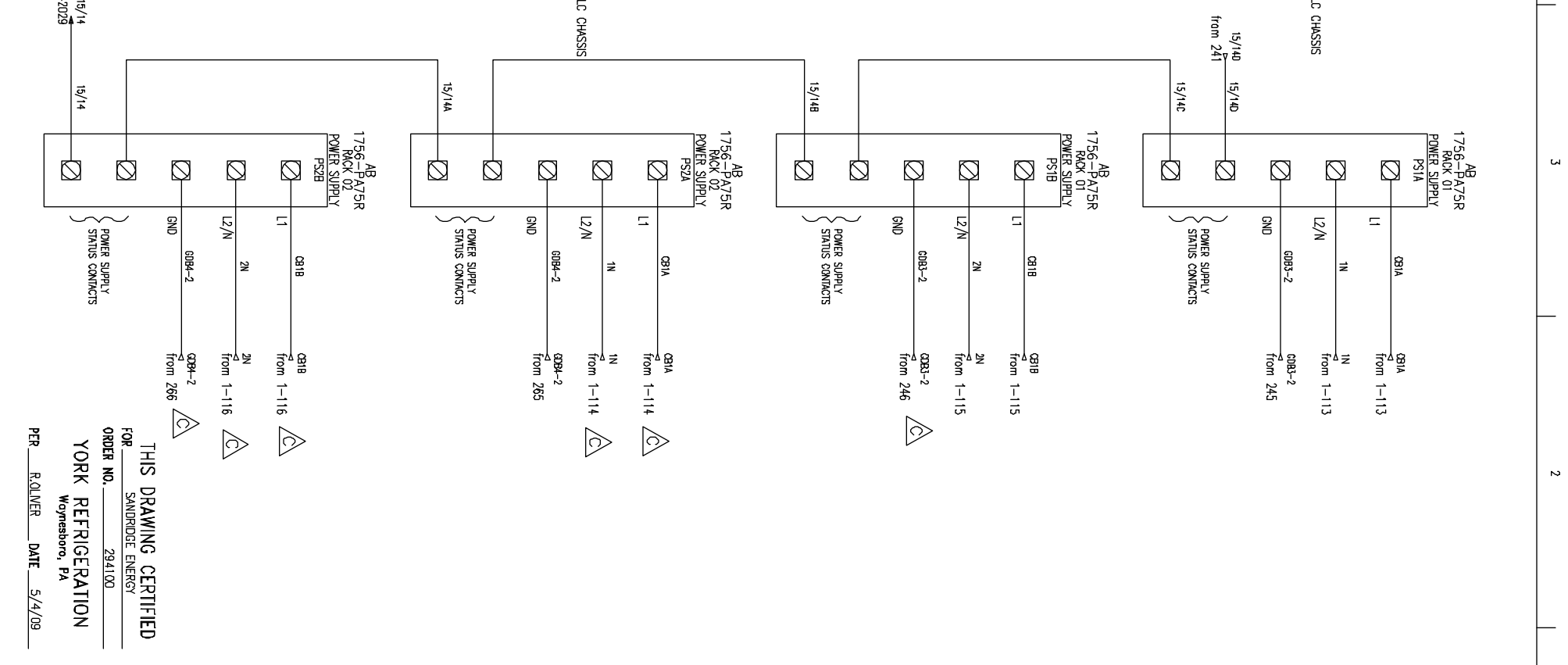
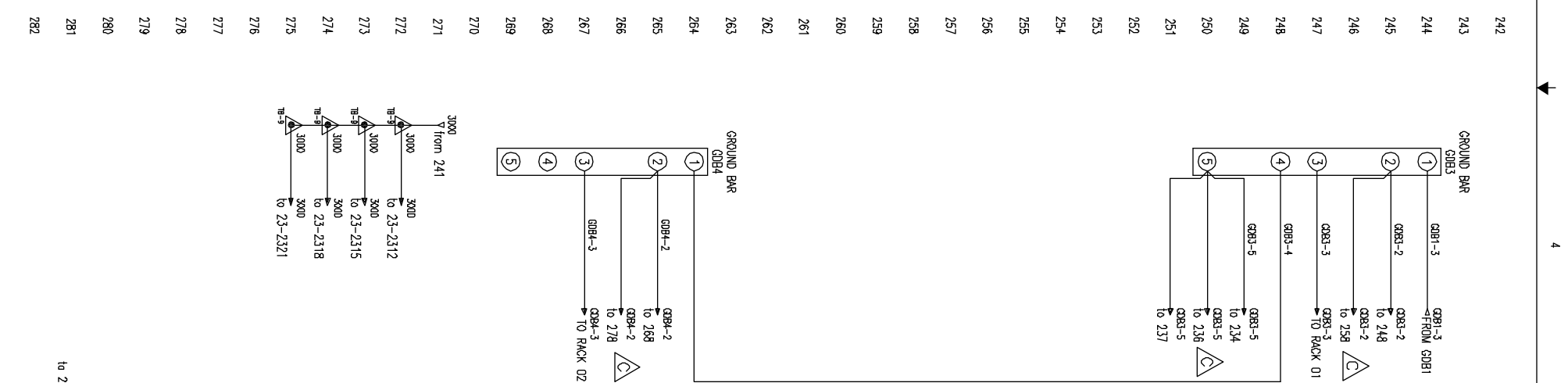
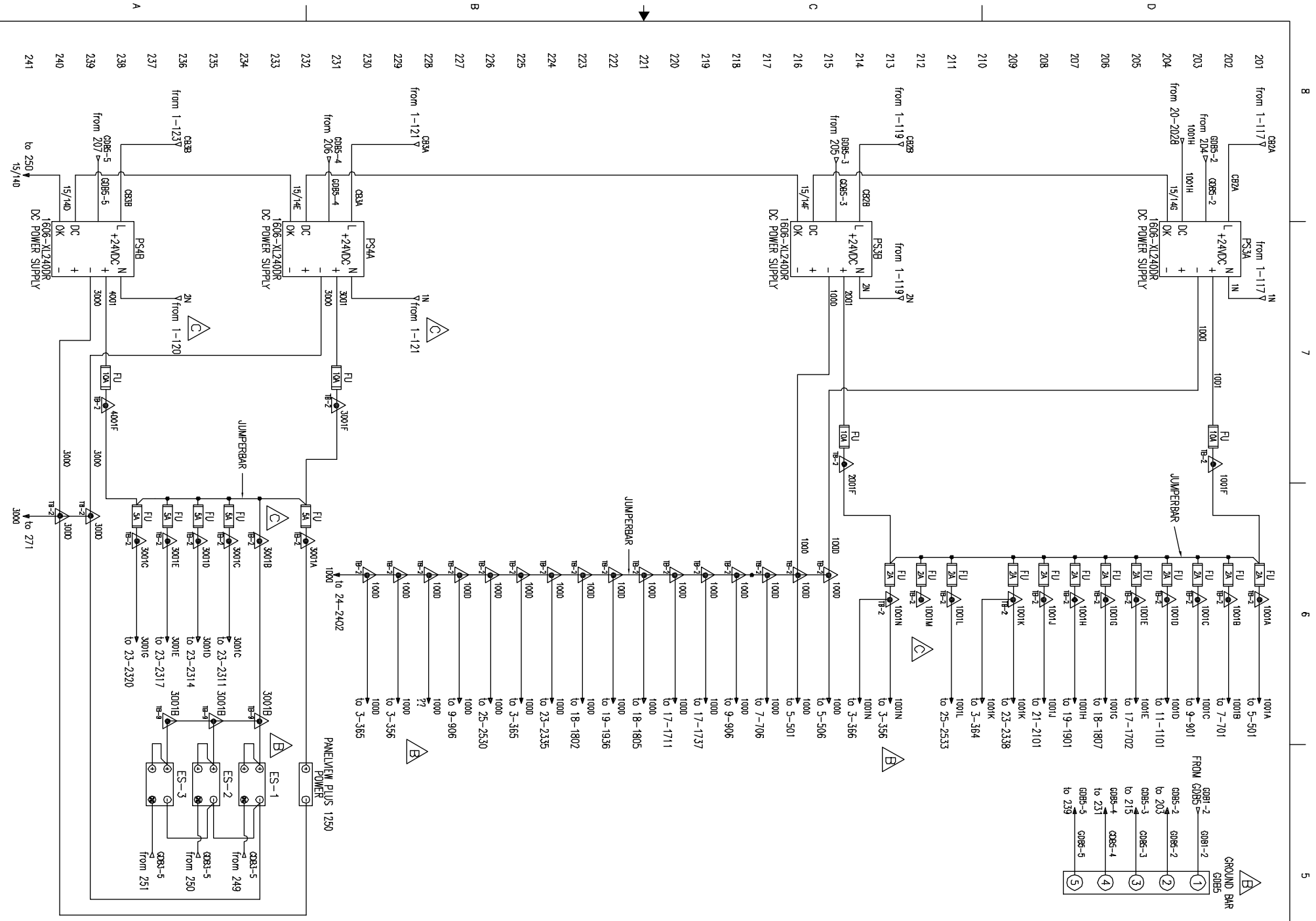
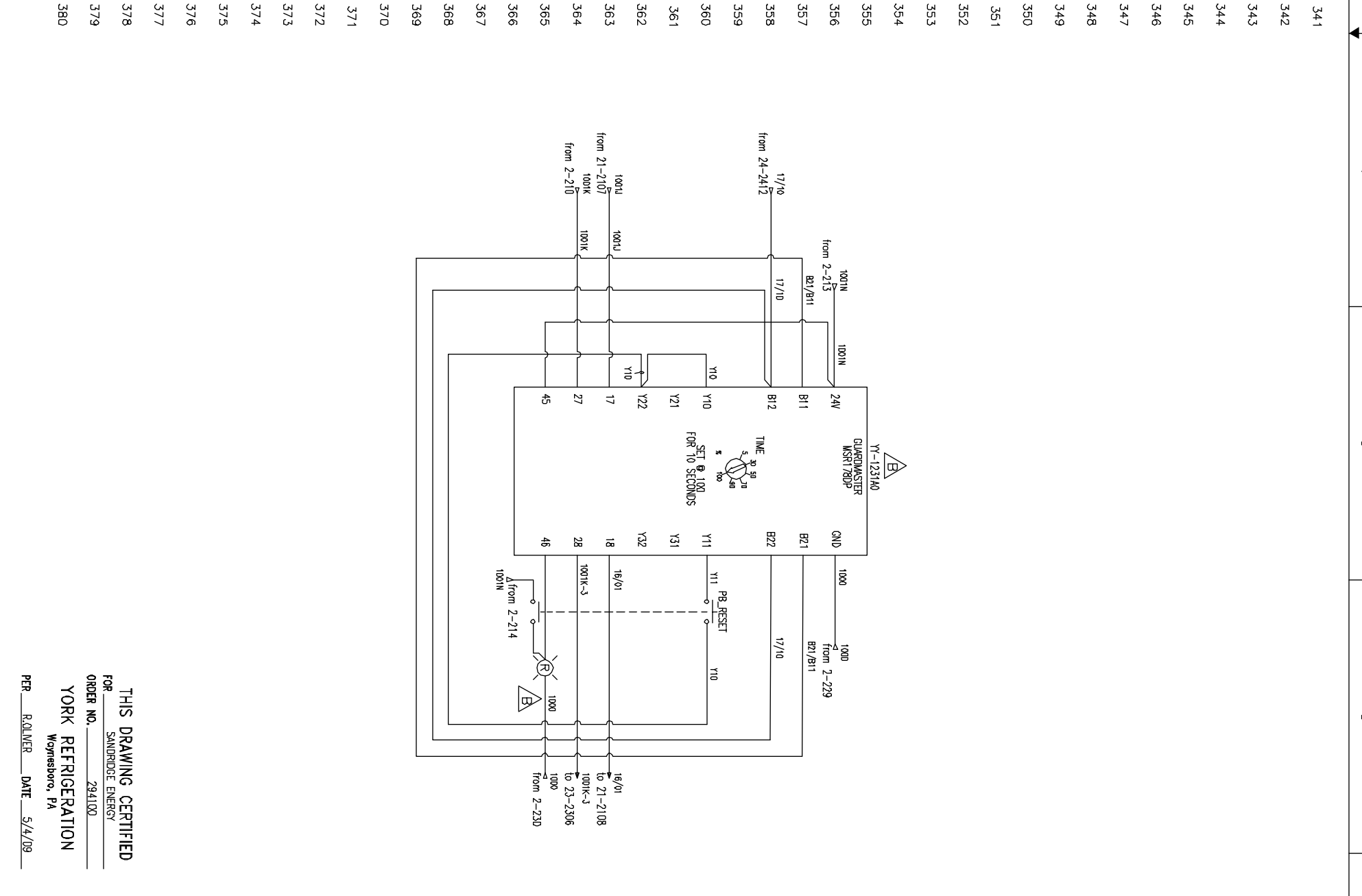
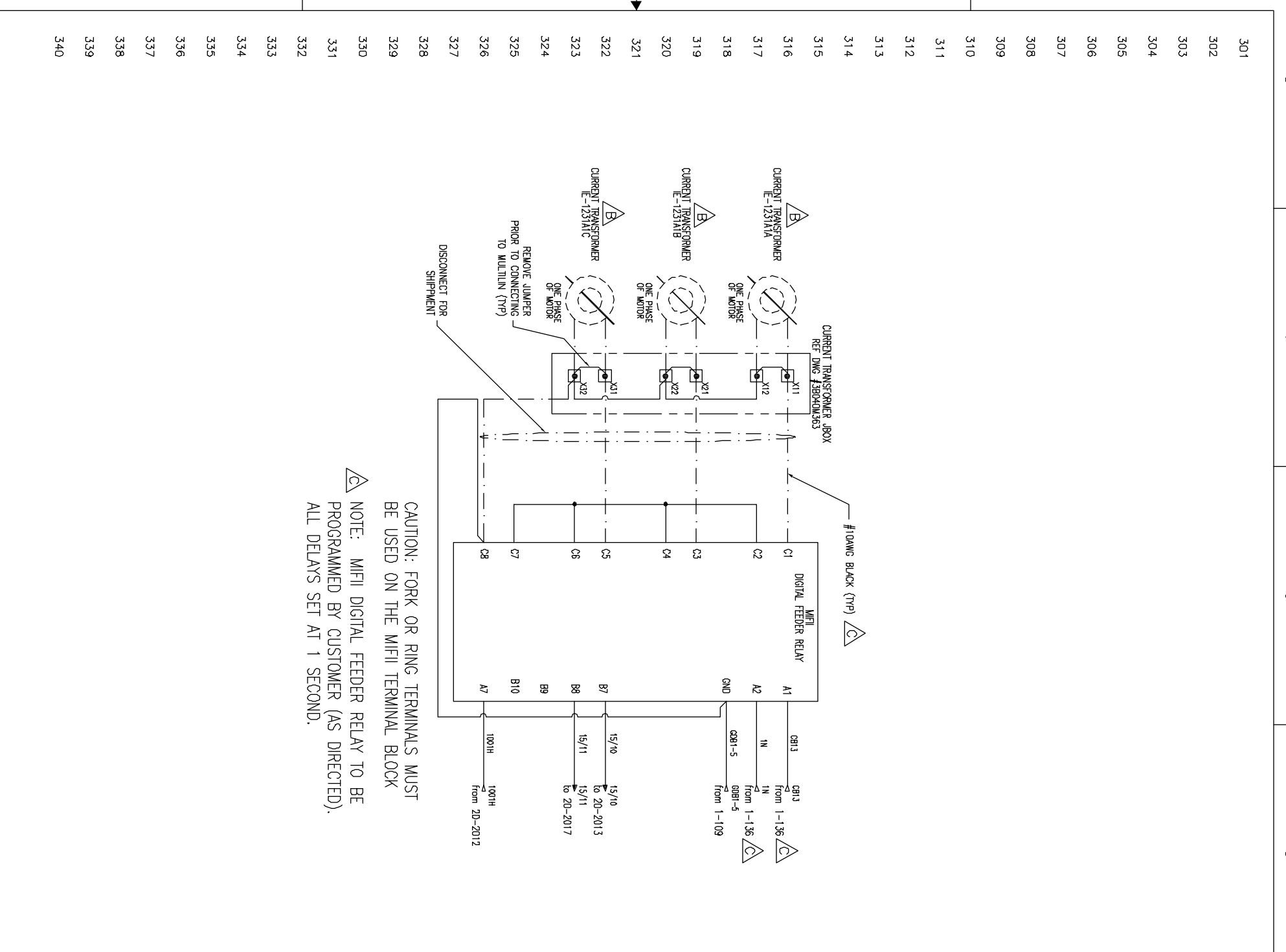


NOTE: NEUTRAL TO BE GROUNDED AT SOURCE

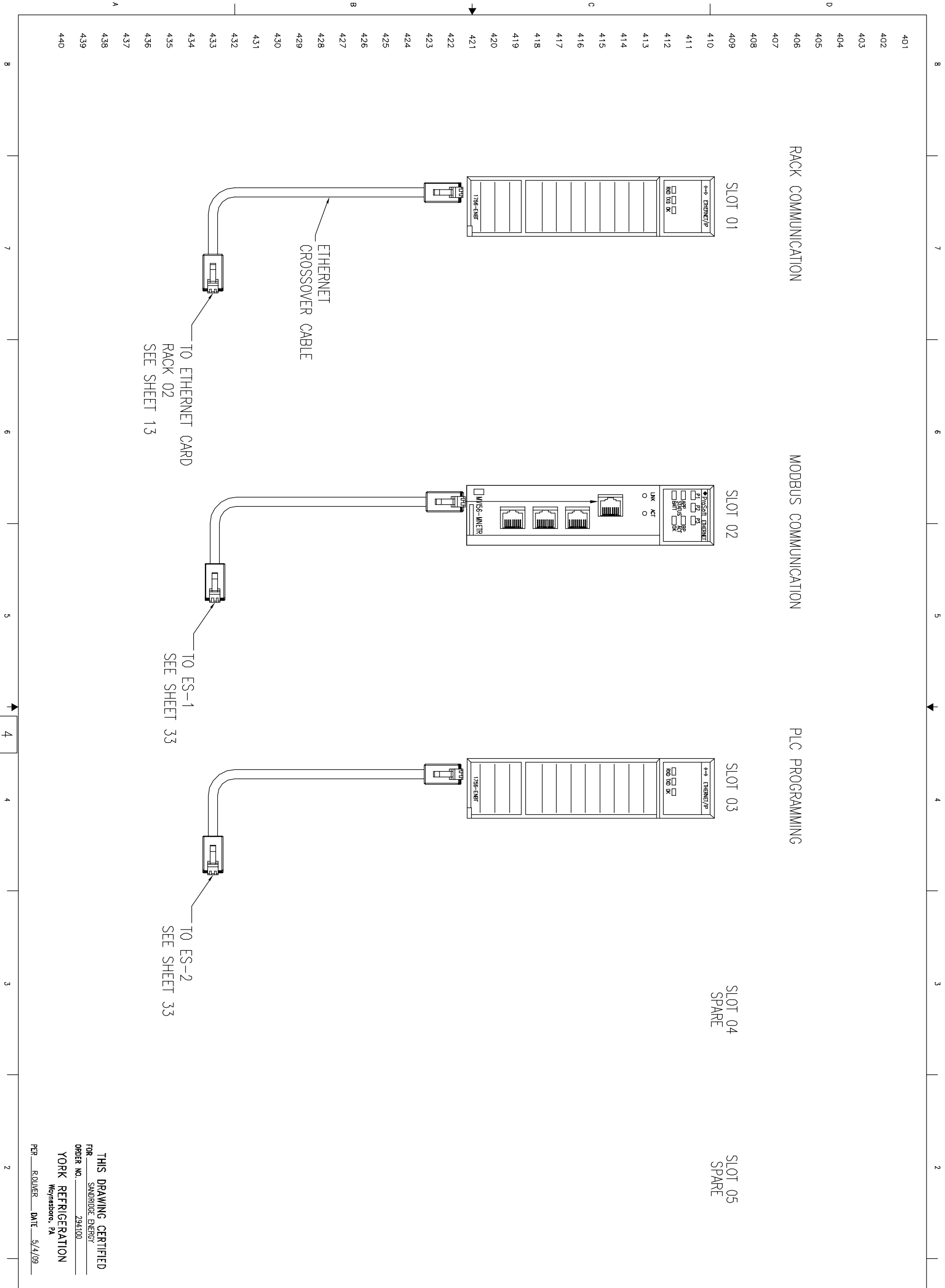
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE</p>		<p>TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM</p>		<p>REVISIONS</p> <table border="1"> <tr> <th>REV</th> <th>ECN</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DR</th> <th>APP</th> </tr> <tr> <td>A</td> <td></td> <td>CHANGES PER CUSTOMER MARKUPS</td> <td>07/23/09</td> <td>SJC</td> <td>JAC</td> </tr> <tr> <td>B</td> <td></td> <td>AS BUILT CHANGES</td> <td></td> <td>DLB</td> <td>JAT</td> </tr> <tr> <td>C</td> <td></td> <td>ADDITIONAL AS BUILT CHANGES</td> <td>09/29/09</td> <td>DLB</td> <td>JAT</td> </tr> </table>		REV	ECN	DESCRIPTION	DATE	DR	APP	A		CHANGES PER CUSTOMER MARKUPS	07/23/09	SJC	JAC	B		AS BUILT CHANGES		DLB	JAT	C		ADDITIONAL AS BUILT CHANGES	09/29/09	DLB	JAT
REV	ECN	DESCRIPTION	DATE	DR	APP																								
A		CHANGES PER CUSTOMER MARKUPS	07/23/09	SJC	JAC																								
B		AS BUILT CHANGES		DLB	JAT																								
C		ADDITIONAL AS BUILT CHANGES	09/29/09	DLB	JAT																								
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE</p>		<p>SHEET DETAIL AC POWER WIRING</p>		<p>NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.</p>																									
<p>DR D. BLANKHOLTER 01/25/08</p>		<p>PURCHASER SANDRIDGE ENERGY</p>		<p>© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED</p>																									
<p>CHK J. COOK 04/08/09</p>		<p>1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118</p>		<p>Johnson Controls Process Systems</p>																									
<p>APPD R. OLIVER 04/08/09</p>		<p>YORK ORD NO 294100 PURCH ORD NO 27607-P-13-012JCI</p>		<p>100 CV ME 1000000000 WYNESBORO, PA 17268</p>																									
<p>PER R. OLIVER DATE 5/4/09</p>		<p>SCALE SHEET 1 OF 40</p>		<p>THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY, IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.</p>																									
<p>ORDER NO. 294100</p>		<p>SIZE CASE CODE DWG NO 645D1279</p>		<p>YORK</p>																									
<p>FOR SANDRIDGE ENERGY YORK REFRIGERATION WYNESBORO, PA</p>		<p>REV C</p>		<p>YORK</p>																									



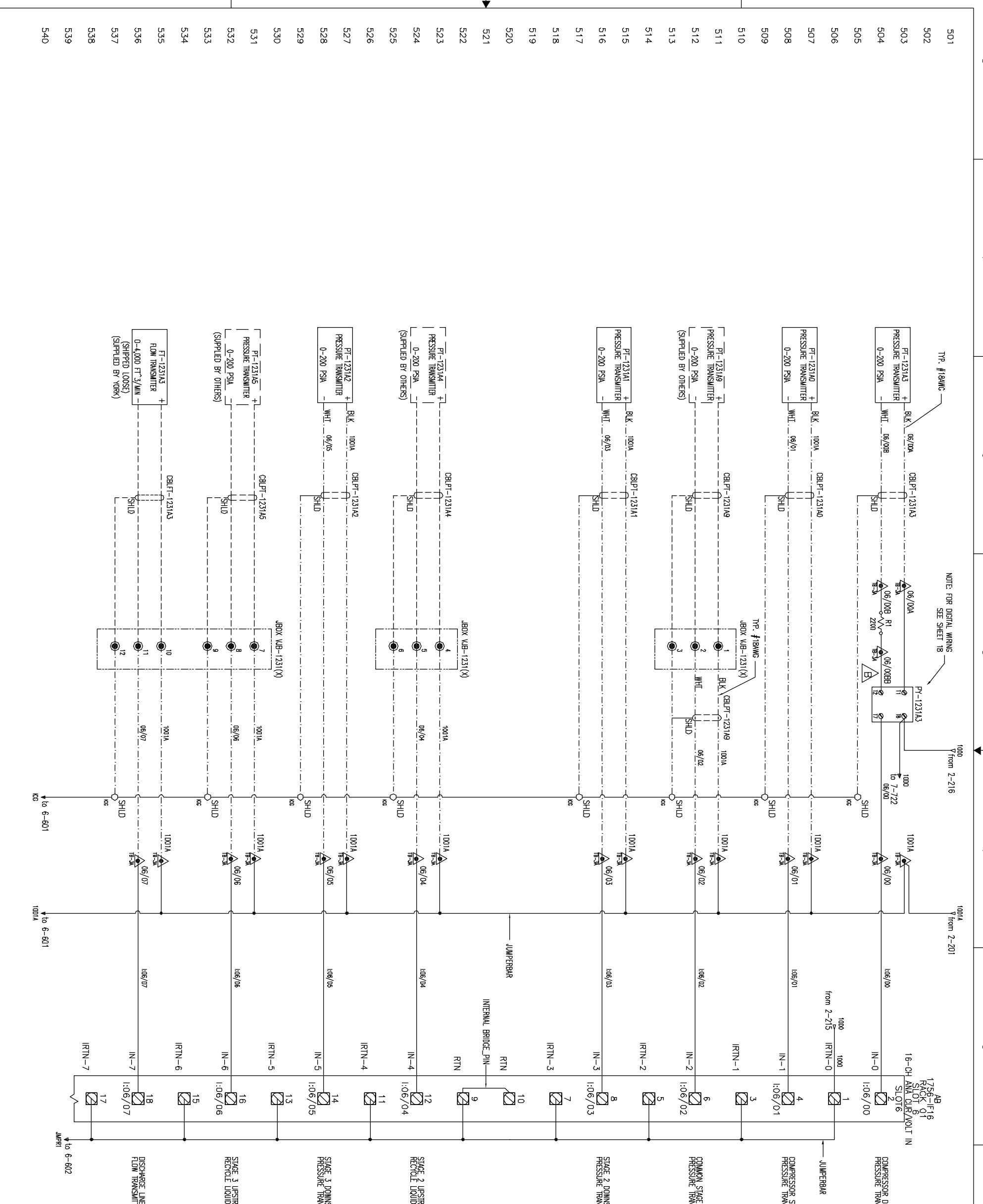
<p>THIS DRAWING CERTIFIED FOR SANDRIDGE ENERGY ORDER NO. 294100 YORK REFRIGERATION Wynessboro, PA</p> <p>PER: ROLLIVER DATE: 5/4/09</p>		<p>TITLE: YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM</p> <p>SHEET DETAIL: DC POWER WIRING</p> <p>DR: D. BURKHOLDER 01/25/08 CHK: J. COOK 04/08/09 APP: R. OLIVER 04/08/09</p>		<p>PURCHASER: SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118 YORK ORD NO 294100 PURCH DRD NO 27607-P-13-012JCI</p>		<p>NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.</p>		<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE</p> <p>UNLESS OTHERWISE SPECIFIED TOLERANCES PER ASME Y14.5 FRACTIONAL DECIMALS ± 0.01 DIMENSIONS ± 0.005 HOLE DIA ± 0.004 HOLE DIA ± 0.004</p>		<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE</p> <p>UNLESS OTHERWISE SPECIFIED TOLERANCES PER ASME Y14.5 FRACTIONAL DECIMALS ± 0.01 DIMENSIONS ± 0.005 HOLE DIA ± 0.004 HOLE DIA ± 0.004</p>		<p>THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.</p> <p>© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED</p> <p>Johnson Controls YORK Process Systems</p> <p>100 CV AVE RD 504 BOX 391 Wynessboro, PA 17268</p>	
---	--	---	--	--	--	---	--	---	--	---	--	---	--



THIS DRAWING CERTIFIED FOR SANDRIDGE ENERGY ORDER NO. 2941100 YORK REFRIGERATION Weyerssboro, PA PER R. OLIVER DATE 5/4/09		TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM SHEET DETAIL RELAY WIRING		PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118 YORK DRD NO 2941100 PURCH DRD NO 27607-P-13-012JCI		THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING. © COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE UNLESS OTHERWISE SPECIFIED DIMENSIONS FOR HOLES ARE IN INCHES DR B. BURKHOLDER 01/23/08 CHK J. COOK 01/09/08 APPD R. OLIVER 01/08/08	SIZE D CASE CODE 23587 DWG NO 645D1279 SCALE	REV C SHEET 3 OF 40	JCI/YORK 100 DV ME P.O. BOX 301 Weyerssboro, PA 17268	Johnson Controls Process Systems		100 DV ME P.O. BOX 301 Weyerssboro, PA 17268	

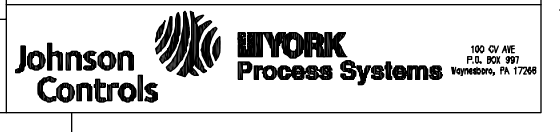


THIS DRAWING CERTIFIED FOR SANDRIDGE ENERGY ORDER NO. 294100 YORK REFRIGERATION Weyersboro, PA PER ROLVER DATE 5/4/09		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE		TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM		THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING. © COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED	
UNLESS OTHERWISE SPECIFIED DIMENSIONS FOR SHEET DEC. DIM. 1/8" & 3/16" DEC. DIM. 1/4" & 1/2"		SHEET DETAIL RACK 01 SLOTS 01 - 05		PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118		NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.	
DR D. BLANKHOLDER 01/25/08 CHK J. COOK 04/08/09 APPD R. OLIVER 04/08/09	SIZE D CAGE CODE 23587 DWG NO 645D1279	REV C YORK DRD NO 294100 PURCH DRD NO 27607-P-13-012JCI	SCALE SHEET 4 OF 40		Johnson Controls YORK Process Systems		100 CV AVE. P.O. BOX 391 Weyersboro, PA 17268



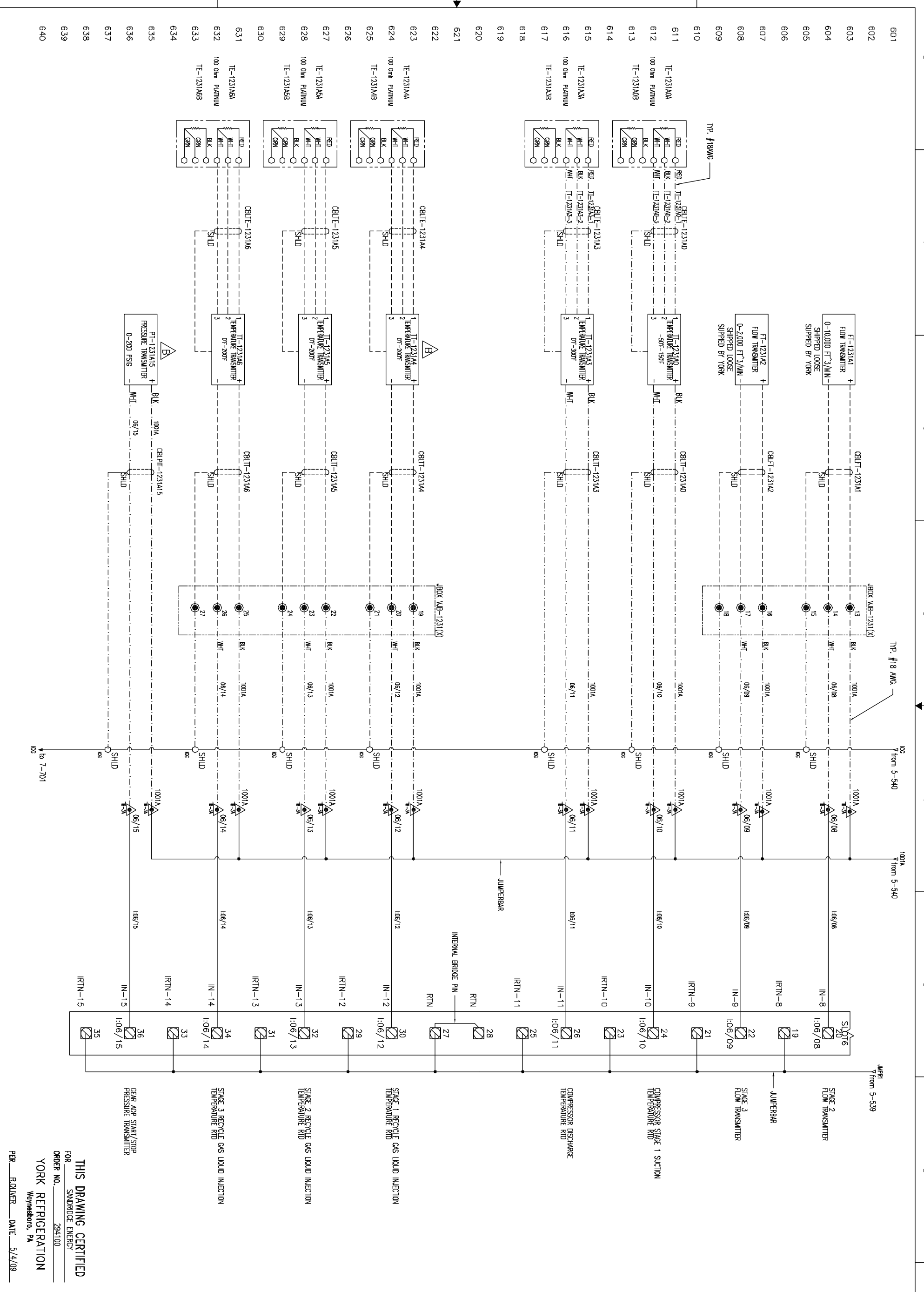
THIS DRAWING CERTIFIED
 FOR SANDRIDGE ENERGY
 ORDER NO. 294100
YORK REFRIGERATION
 Weyersboro, PA
 PER R. OLIVER DATE 5/4/09

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE	
DR. D. BURKHOLDER	01/25/08	CHK. J. COOK	04/08/09	APPD. R. OLIVER	04/08/09
TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM		SHEET DETAIL RACK 01 SLOT 06 - ANALOG INPUTS		PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118 YORK ORD NO 294100 PURCH DRD NO 27607-P-13-012JCI	
REV. D	23587	CASE CODE	645D1279	REV. C	
SCALE		SHEET	5	OF	40



NOTICE TO PURCHASER
 REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.

THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.
 © COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED



THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.

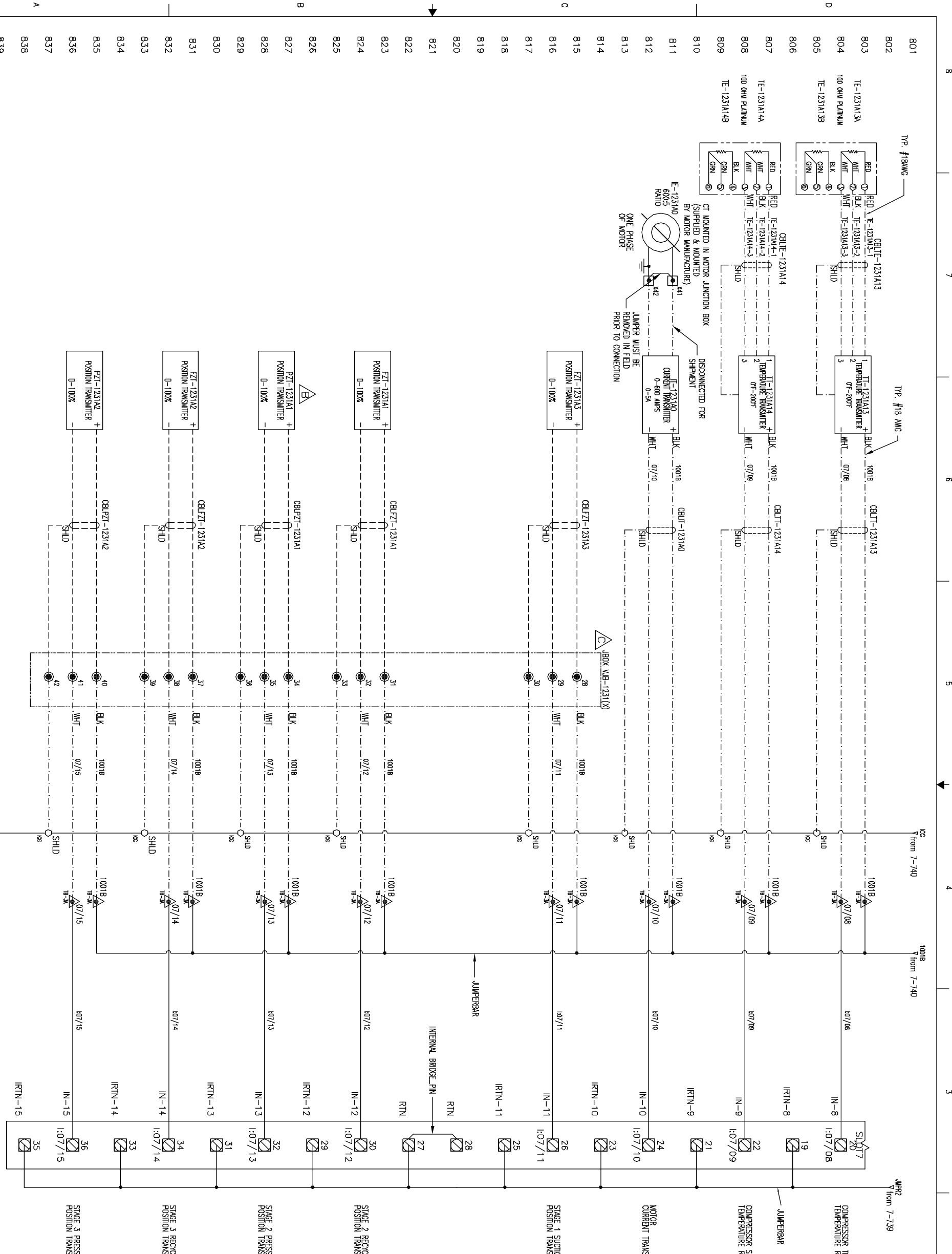
© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED

Johnson Controls **YORK Process Systems**

100 CH. AVE. P.O. BOX 301 WYNANSBORO, PA 17268

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE	
DR. D. BURKHOLDER	01/23/08	CHK. J. COOK	01/08/08
APPD. R. OLIVER	01/08/08	PER. R. OLIVER	DATE 5/4/09
TITLE: YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM		SHEET DETAIL: RACK 01 SLOT 06 - ANALOG INPUTS	
SIZE: D	SCALE: 1"=1'-0"	CASE CODE: 23587	DWG NO: 645D1279
PURCHASER: SANDRIDGE ENERGY		1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118	
YORK ORD NO 294100		PURCH ORD NO 27607-P-13-012JCI	
NOTICE TO PURCHASER: REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.		REV C	

THIS DRAWING CERTIFIED
FOR SANDRIDGE ENERGY
ORDER NO. 294100
YORK REFRIGERATION
Wynansboro, PA



801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840

YPS - PLC CONTROL SYSTEM
PLC CONTROL PANEL ASSEMBLY &
WIRING DIAGRAM

RACK 01 SLOT 07 - ANALOG INPUTS

STAGE 1 SUCTION RECYCLE GAS VALVE POSITION TRANSMITTER

STAGE 2 RECYCLE GAS VALVE POSITION TRANSMITTER

STAGE 3 RECYCLE GAS VALVE POSITION TRANSMITTER

STAGE 3 PRESSURE CONTROL VALVE POSITION TRANSMITTER

MOTOR CURRENT TRANSMITTER

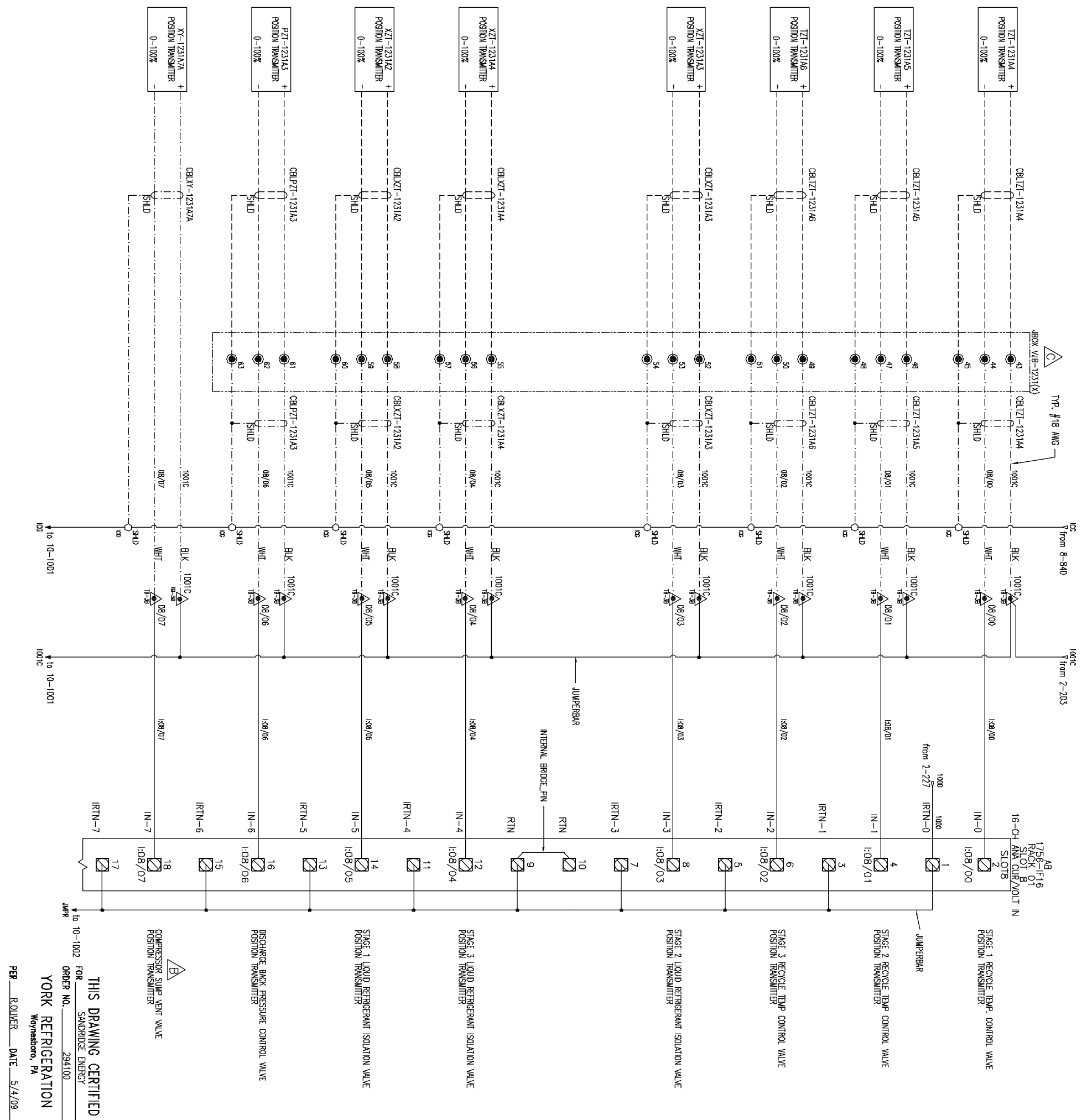
COMPRESSOR SHAFT PUMP DISCHARGE TEMPERATURE RTD

COMPRESSOR THRUST BEARING DISCHARGE TEMPERATURE RTD

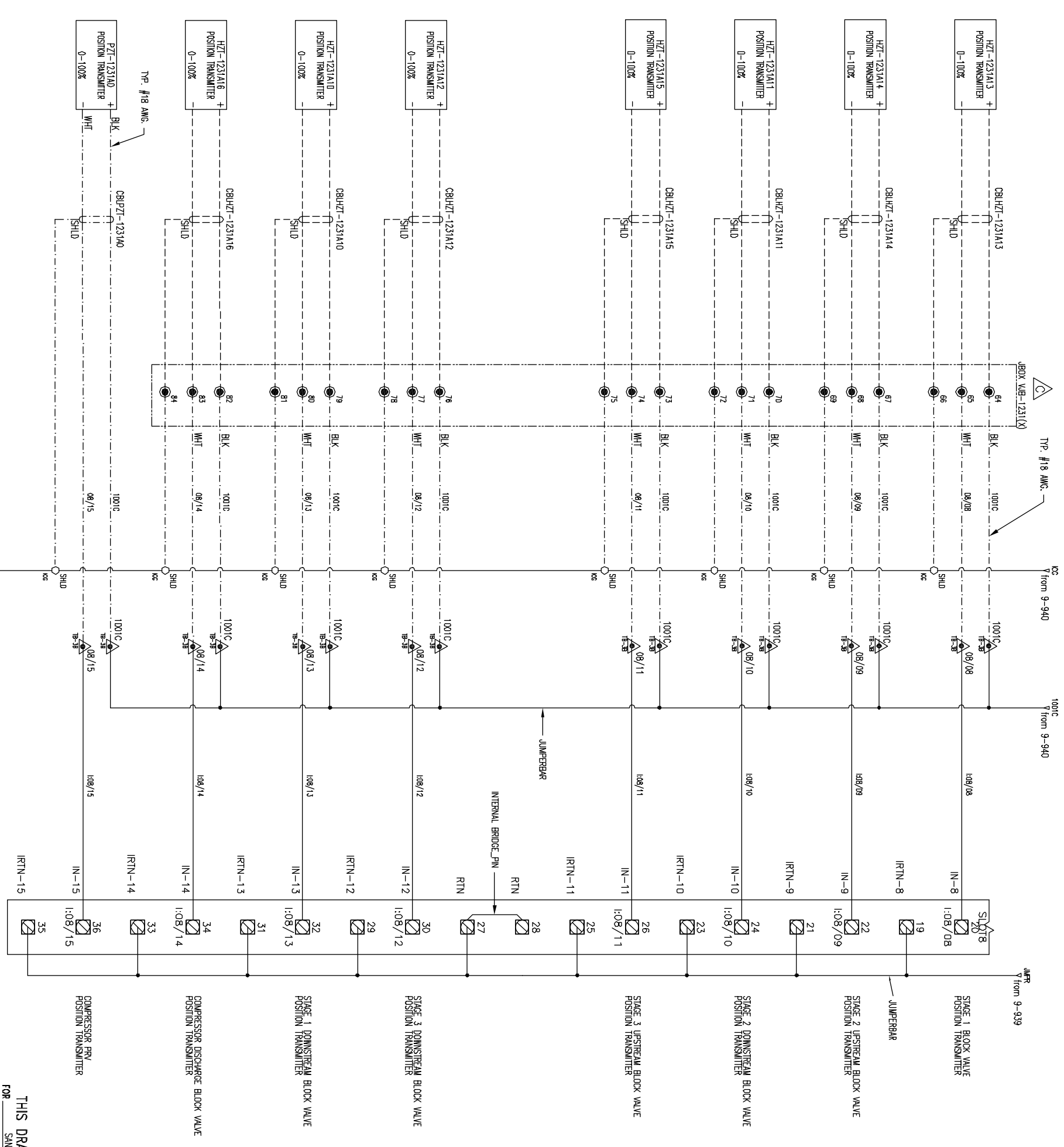
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE	
DR D. BURKHOLDER CHK J. COOK APPD R. OLIVER	01/25/08 04/08/09 04/08/09	TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM	SHEET DETAIL RACK 01 SLOT 07 - ANALOG INPUTS
PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118 YORK ORD NO 294100	CASE CODE 23587	DWG NO 645D1279	REV C
SCALE SHEET 8 OF 40		NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.	



8 7 6 5 4 3 2 1

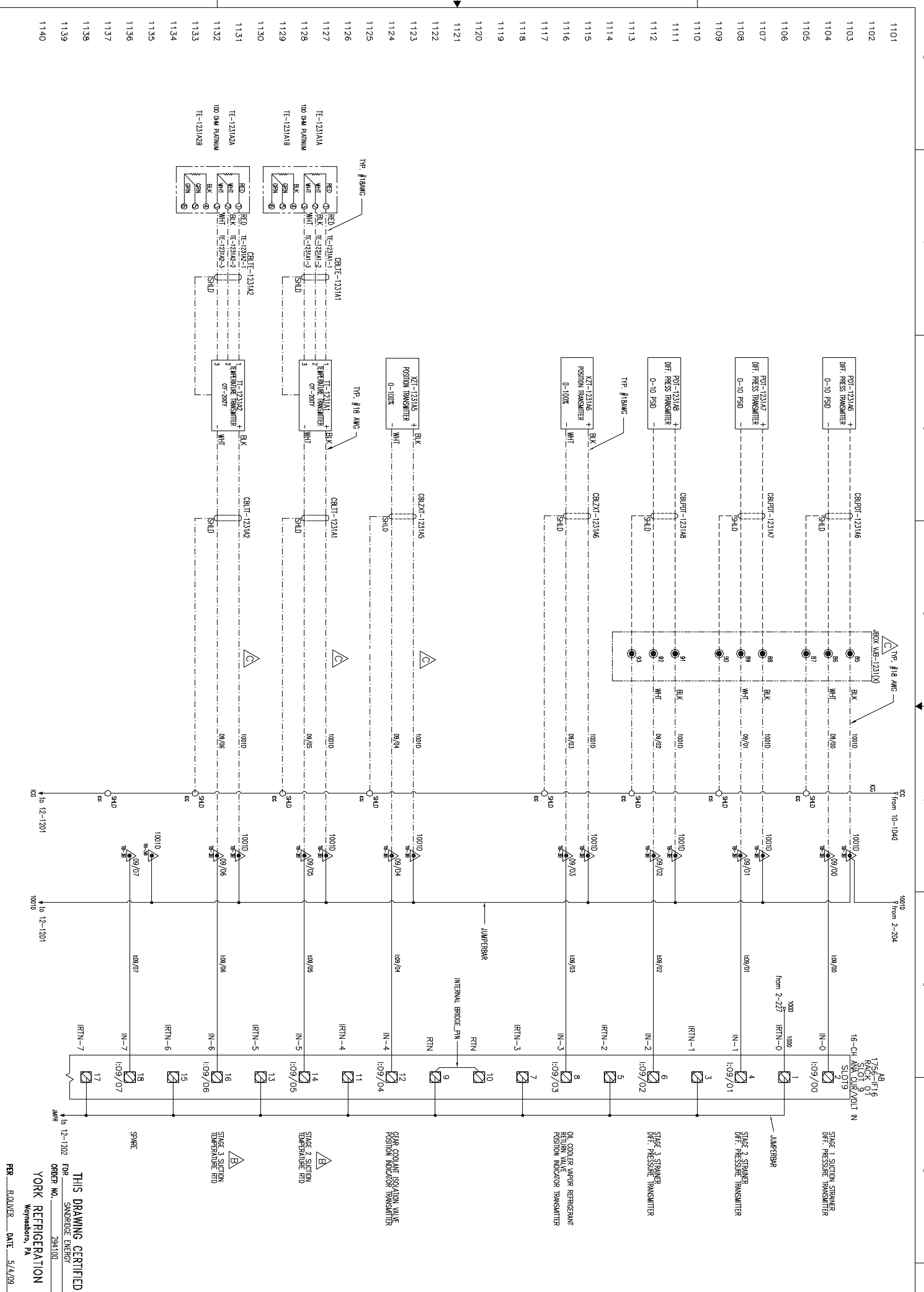


<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE</p>		<p>TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM</p>		<p>THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.</p>	
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE</p>		<p>SHEET DETAIL RACK 01 SLOT 08 - ANALOG INPUTS</p>		<p>© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED</p>	
<p>DR D. BURKHOLDER 01/25/08</p>	<p>CHK J. COOK 04/08/09</p>	<p>APPD R. OLIVER 04/08/09</p>	<p>SCALE</p>	<p>PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118</p>	<p>NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.</p>
<p>YORK REFRIGERATION Wynnewood, PA</p>			<p>PER R. OLIVER DATE 5/4/09</p>	<p>YORK ORD NO 294100</p>	<p>PURCH DRD NO 27607-P-13-012JCI</p>
<p>THIS DRAWING CERTIFIED FOR SANDRIDGE ENERGY ORDER NO. 294100</p>		<p>DATE 01/25/08</p>		<p>REV C</p>	
<p>YORK Process Systems</p>		<p>100 CV AVE Wynnewood, PA 17298</p>		<p>YORK Controls</p>	

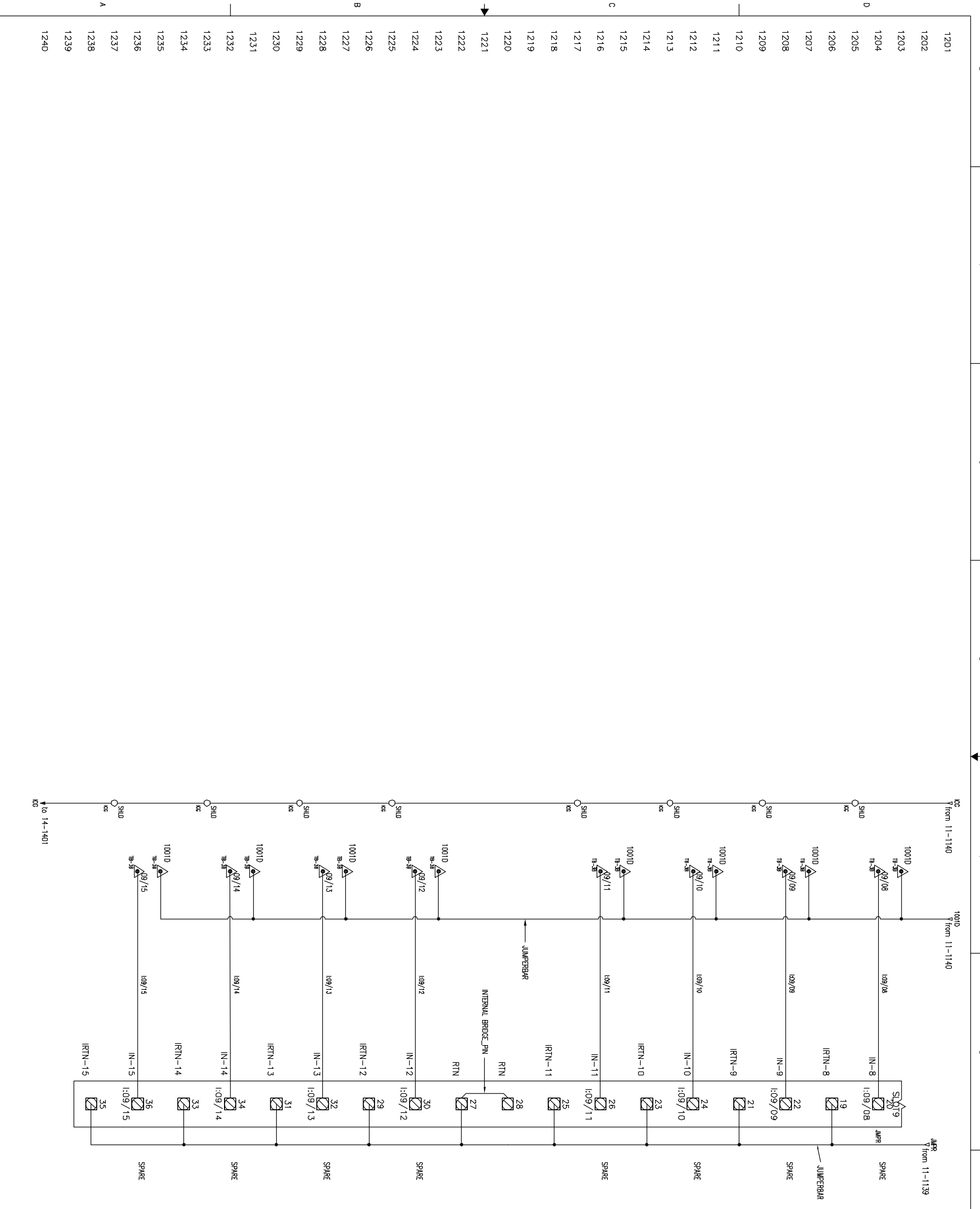


THIS DRAWING CERTIFIED
 FOR SANDRIDGE ENERGY
 ORDER NO. 294100
YORK REFRIGERATION
 Weyerssboro, PA
 PER R. OLIVER DATE 5/4/09

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE		UNLESS OTHERWISE SPECIFIED TOLERANCES PER ANSI Y14.5	
DR D. BURKHOLDER	01/25/08	CHK J. COOK	04/08/09
APPD R. OLIVER	04/08/09	REV	
TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM		SHEET DETAIL RACK 01 SLOT 08 - ANALOG INPUTS	
PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118		YORK ORD NO 294100 PURCH DRD NO 27607-P-13-012JCI	
NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.			



<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE</p>		<p>TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM</p>		<p>THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY, IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.</p>	
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE</p>		<p>SHEET DETAIL RACK 01 SLOT 09 - ANALOG INPUTS</p>		<p>© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED</p>	
<p>DR B. BURKHOLDER CHK J. COOK APPD R. OLIVER</p>	<p>DATE 01/23/08 DATE 01/09/08 DATE 01/08/08</p>	<p>SIZE D CAGE CODE 23587 SCALE</p>	<p>DWG NO 645D1279 REV C</p>	<p>PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118 YORK DRD NO 294100 PURCH DRD NO 27607-P-13-012JCI</p>	<p>NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.</p>
<p>THIS DRAWING CERTIFIED FOR SANDRIDGE ENERGY ORDER NO. 294100 YORK REFRIGERATION Wynnton, PA</p>		<p>PER R. OLIVER DATE 5/4/09</p>		<p>Johnson Controls Process Systems 100 DV ME PL Bldg 301 Wynnton, PA 17268</p>	

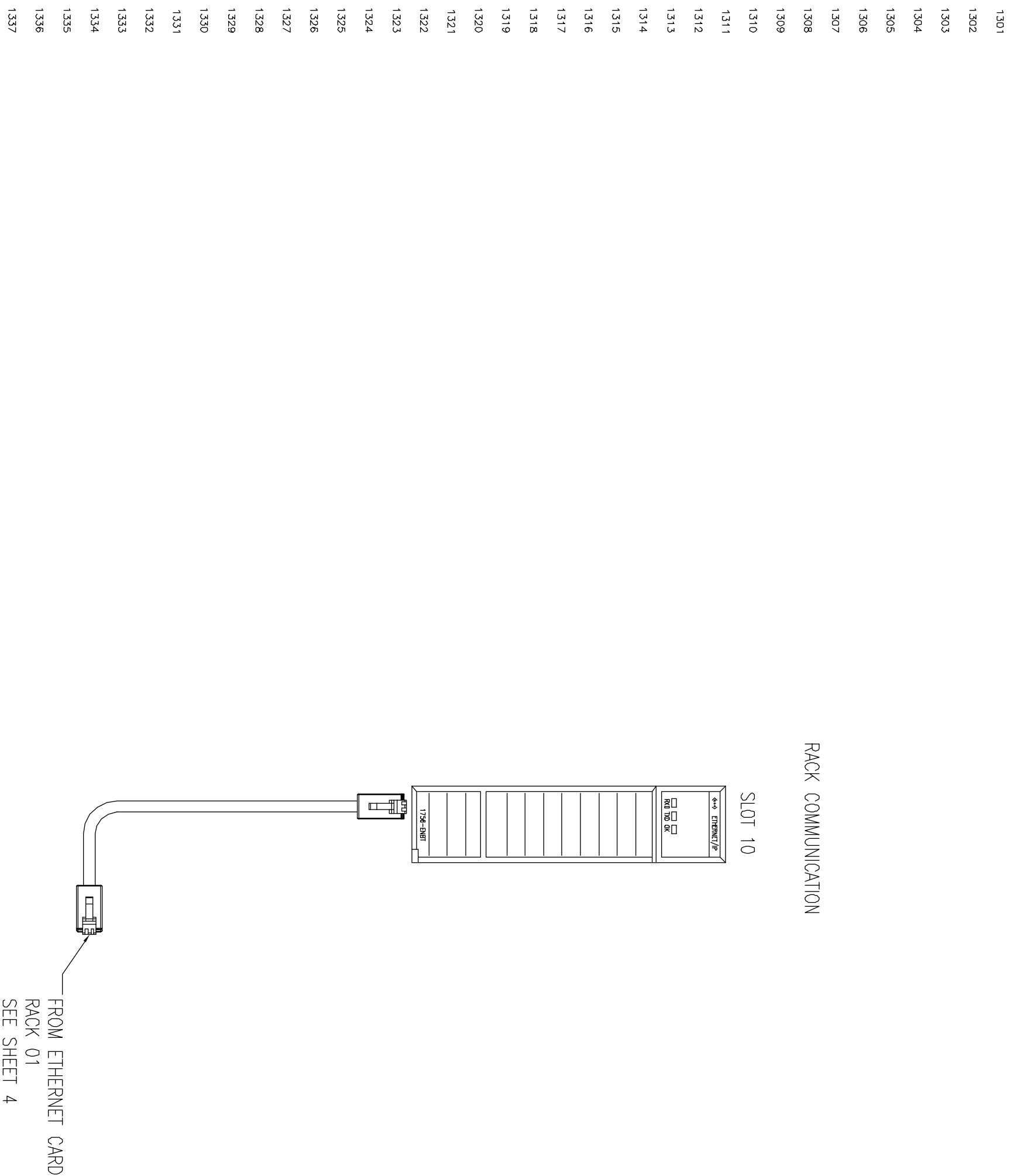


THIS DRAWING CERTIFIED
 FOR SANDRIDGE ENERGY
 ORDER NO. 294100
YORK REFRIGERATION
 Weyershoe, PA
 PER: ROLIVER DATE: 5/4/09

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE		TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM		THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS FOR SHEET DETAIL		SHEET DETAIL RACK 01 SLOT 09 - ANALOG INPUTS		© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED	
DR D. BURKHOLDER	01/25/08	PURCHASER SANDRIDGE ENERGY	1601 N.W. EXPRESSWAY SUITE 1600	NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.	
CHK J. COOK	04/08/09	OKLAHOMA CITY, OK	73118		
APPD R. OLIVER	04/08/09	YORK DRD NO 294100	PURCH DRD NO 27607-P-13-012JCI		
SCALE	SHEET 12 OF 40	REV C	CAGE CODE 23587	DWG NO 645D1279	

RACK COMMUNICATION

SLOT 10



FROM ETHERNET CARD
RACK 01
SEE SHEET 4

THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.

© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED



NOTICE TO PURCHASER
REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.

PURCHASER SANDRIDGE ENERGY
1601 N.W. EXPRESSWAY SUITE 1600
OKLAHOMA CITY, OK 73118
YORK DRD NO 294100 PURCH DRD NO 27607-P-13-012JCI

TITLE
YPS - PLC CONTROL SYSTEM
PLC CONTROL PANEL ASSEMBLY &
WIRING DIAGRAM

SHEET DETAIL
RACK 02 SLOT 10

DR	D. BURKHOLDER	01/25/08
CHK	J. COOK	04/08/09
APPD	R. OLIVER	04/08/09

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE

UNLESS OTHERWISE SPECIFIED DIMENSIONS FOR SHEET DETAIL

DEC 2PL 1/8" ± 0.01
DIM 3PL 1/16" ± 0.005
FIN 1/16" ± 0.005
HOLE 1/16" ± 0.005

SIZE D
SCALE SHEET 13 OF 40

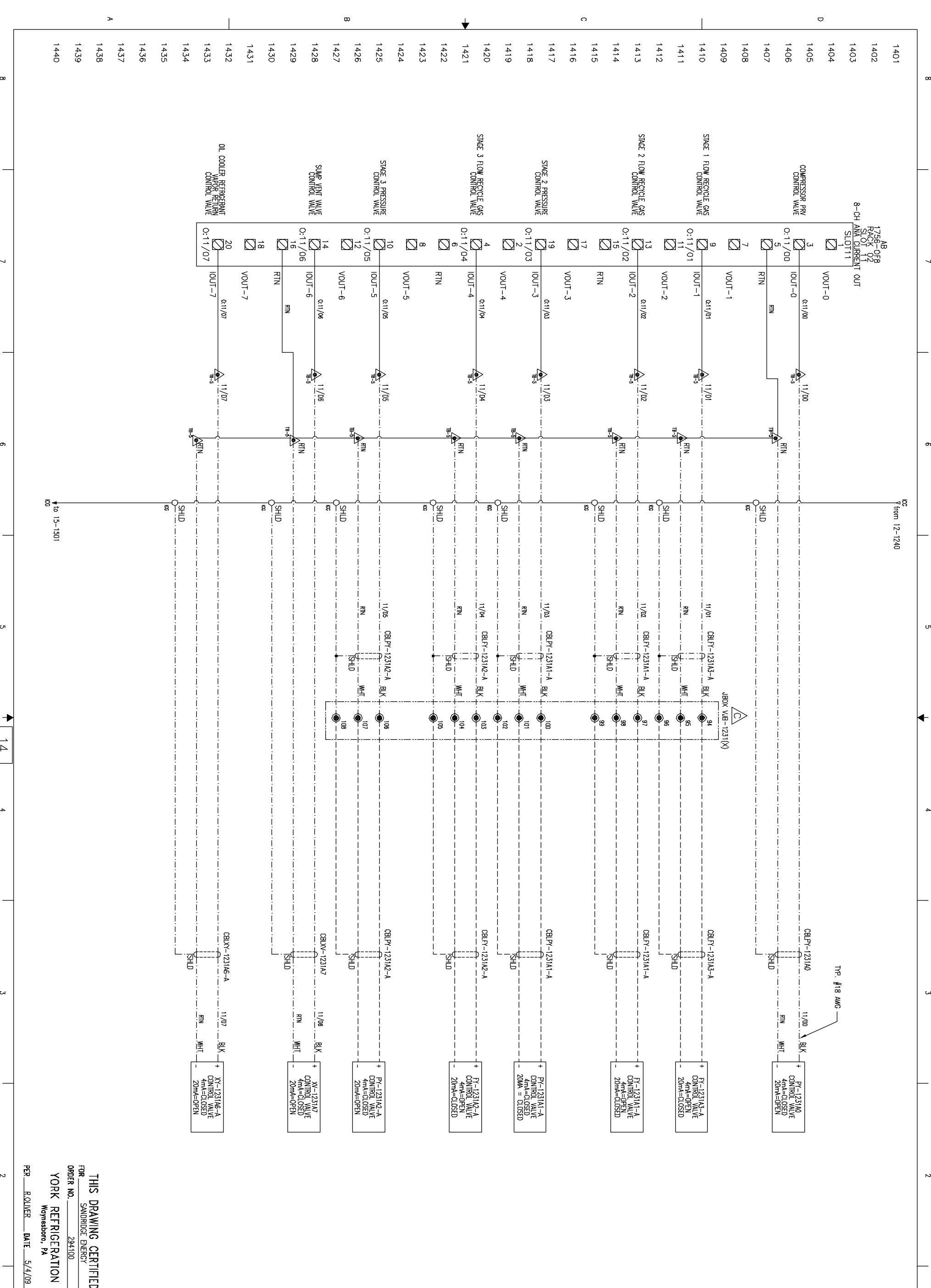
CAGE CODE 23587
DWG NO 645D1279
REV C

THIS DRAWING CERTIFIED FOR SANDRIDGE ENERGY
YORK REFRIGERATION
Wyneshoro, PA
PER R. OLIVER DATE 5/4/09

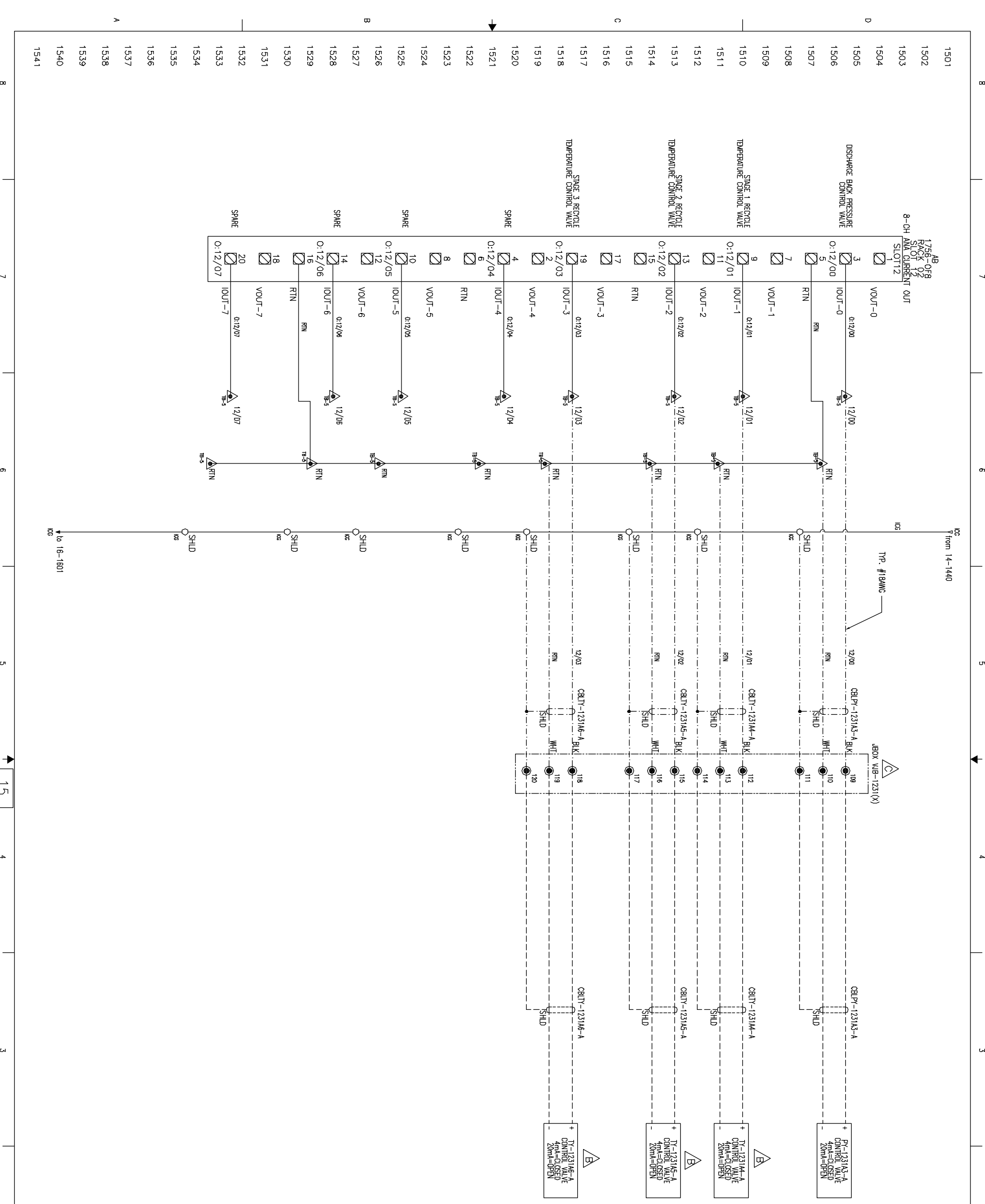
1301
1302
1303
1304
1305
1306
1307
1308
1309
1310
1311
1312
1313
1314
1315
1316
1317
1318
1319
1320
1321
1322
1323
1324
1325
1326
1327
1328
1329
1330
1331
1332
1333
1334
1335
1336
1337
1338
1339
1340

8
7
6
5
4
3
2
1

A B C D



THIS DRAWING CERTIFIED FOR SANDRIDGE ENERGY ORDER NO. 294100 YORK REFRIGERATION McConnors, PA PER ROLLER DATE 5/4/09		PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118 YORC ORD NO 294100 PURCH DRD NO 27607-P-13-012JCI		THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING. © COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED 	
TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM		SHEET DETAIL RACK 02 SLOT 11 - ANALOG OUTPUTS		NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE	
DR D. BLANKHOLTER CHK J. COOK APPD R. CLIVER	01/25/08 04/08/09 04/08/09	SIZE D CASE CODE 23587 SCALE	DWG NO 645D1279 REV C SHEET 14 OF 40	YORK ORD NO 294100 PURCH DRD NO 27607-P-13-012JCI	



THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.

© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED

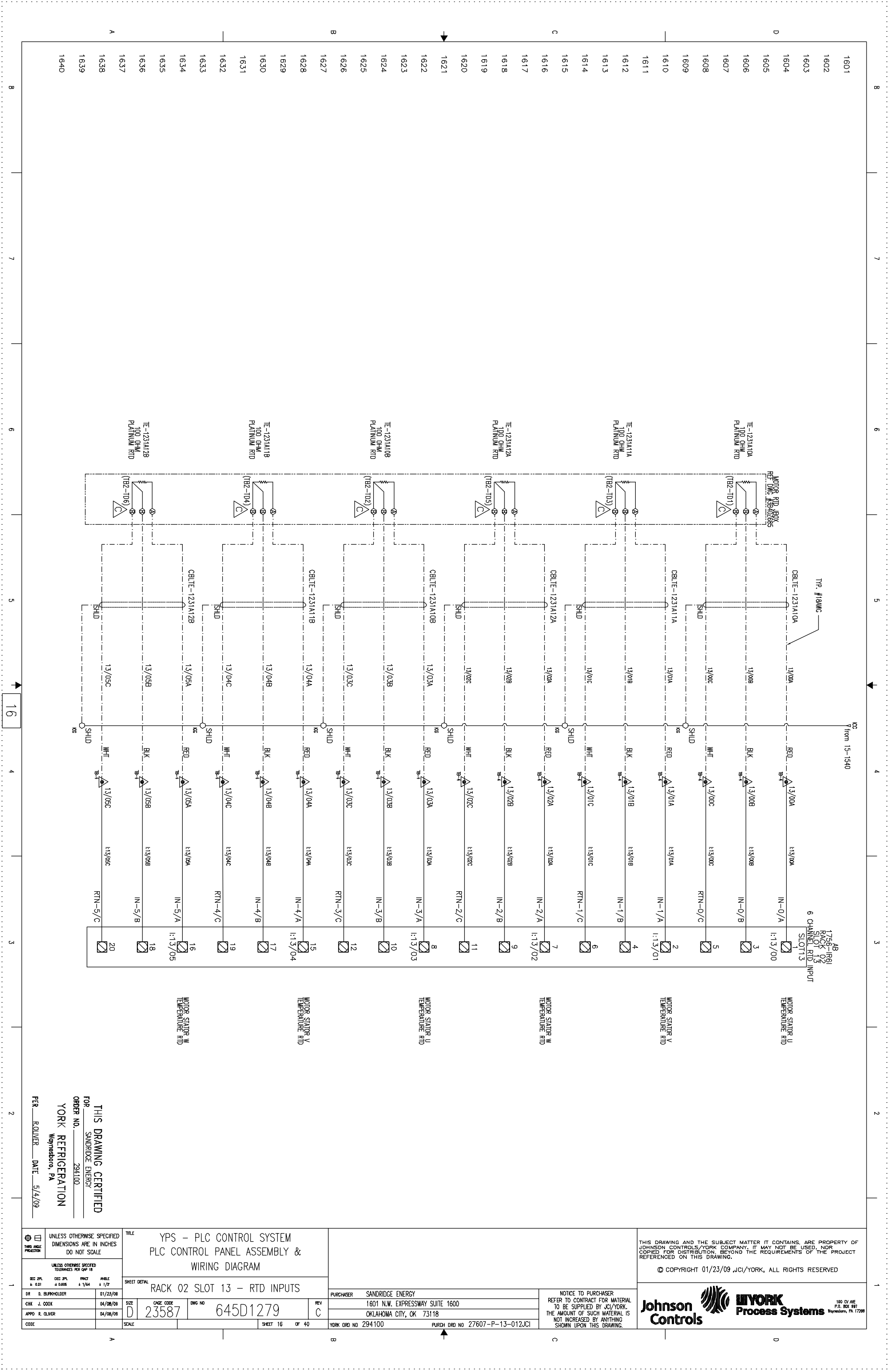


NOTICE TO PURCHASER
REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.

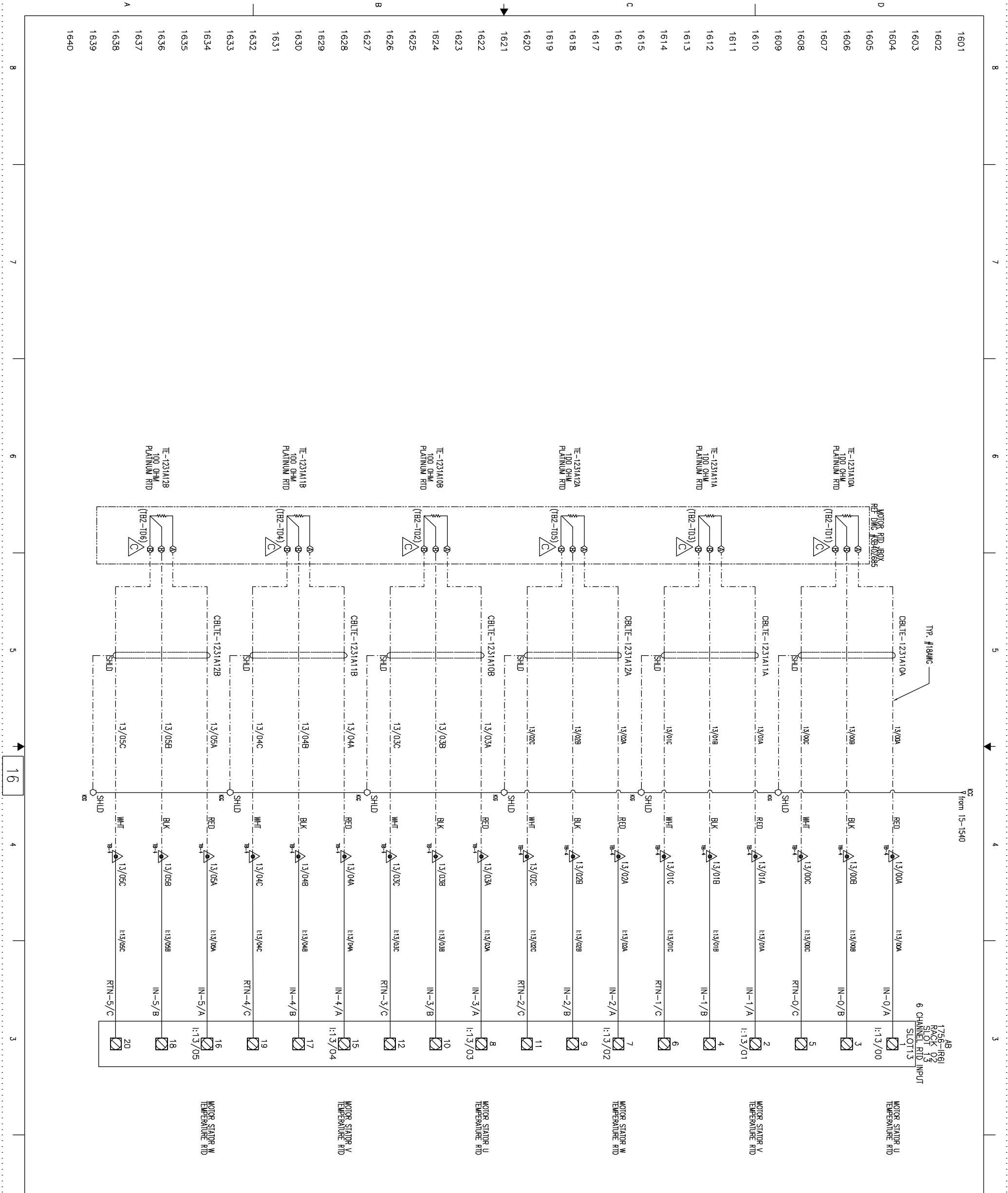
PURCHASER SANDRIDGE ENERGY
1601 N.W. EXPRESSWAY SUITE 1600
OKLAHOMA CITY, OK 73118
YORK ORD NO 294100 PURCH DRD NO 27607-P-13-012JCI

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE		UNLESS OTHERWISE SPECIFIED TOLERANCES PER ASME Y14.5	
DR	D. BURKHOLDER	01/25/08	
CHK	J. COOK	04/08/09	
APPD	R. OLIVER	04/08/09	
CODE			
TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM		SHEET DETAIL RACK 02 SLOT 12 - ANALOG OUTPUTS	
SIZE	D	CASE CODE	23587
DWG NO	645D1279	REV	C
SCALE		SHEET	15 OF 40

THIS DRAWING CERTIFIED
FOR SANDRIDGE ENERGY
ORDER NO. 294100
YORK REFRIGERATION
Wynesboro, PA
PER R. OLIVER DATE 5/4/09



1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640



AB 1756-IR61 RACK 02 SLOT 13 6 CHANNEL RTD INPUT SLOTT 3

15-1540

SHLD

13/00A 13/00B 13/00C 13/00D 13/00E 13/00F 13/00G 13/00H 13/00I 13/00J 13/00K 13/00L 13/00M 13/00N 13/00O 13/00P 13/00Q 13/00R 13/00S 13/00T 13/00U 13/00V 13/00W 13/00X 13/00Y 13/00Z

REO 13/00A 13/00B 13/00C 13/00D 13/00E 13/00F 13/00G 13/00H 13/00I 13/00J 13/00K 13/00L 13/00M 13/00N 13/00O 13/00P 13/00Q 13/00R 13/00S 13/00T 13/00U 13/00V 13/00W 13/00X 13/00Y 13/00Z

WHT 13/00A 13/00B 13/00C 13/00D 13/00E 13/00F 13/00G 13/00H 13/00I 13/00J 13/00K 13/00L 13/00M 13/00N 13/00O 13/00P 13/00Q 13/00R 13/00S 13/00T 13/00U 13/00V 13/00W 13/00X 13/00Y 13/00Z

BLK 13/00A 13/00B 13/00C 13/00D 13/00E 13/00F 13/00G 13/00H 13/00I 13/00J 13/00K 13/00L 13/00M 13/00N 13/00O 13/00P 13/00Q 13/00R 13/00S 13/00T 13/00U 13/00V 13/00W 13/00X 13/00Y 13/00Z

RED 13/00A 13/00B 13/00C 13/00D 13/00E 13/00F 13/00G 13/00H 13/00I 13/00J 13/00K 13/00L 13/00M 13/00N 13/00O 13/00P 13/00Q 13/00R 13/00S 13/00T 13/00U 13/00V 13/00W 13/00X 13/00Y 13/00Z

IN-0/A IN-0/B IN-0/C IN-1/A IN-1/B IN-1/C IN-2/A IN-2/B IN-2/C IN-3/A IN-3/B IN-3/C IN-4/A IN-4/B IN-4/C IN-5/A IN-5/B IN-5/C

RTN-0/C RTN-1/C RTN-2/C RTN-3/C RTN-4/C RTN-5/C

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

TE-1231A10A 100 OHM PLATINUM RTD (TB2-101)

TE-1231A11A 100 OHM PLATINUM RTD (TB2-103)

TE-1231A12A 100 OHM PLATINUM RTD (TB2-105)

TE-1231A10B 100 OHM PLATINUM RTD (TB2-102)

TE-1231A11B 100 OHM PLATINUM RTD (TB2-104)

TE-1231A12B 100 OHM PLATINUM RTD (TB2-106)

MOTOR STATOR U TEMPERATURE RTD

MOTOR STATOR V TEMPERATURE RTD

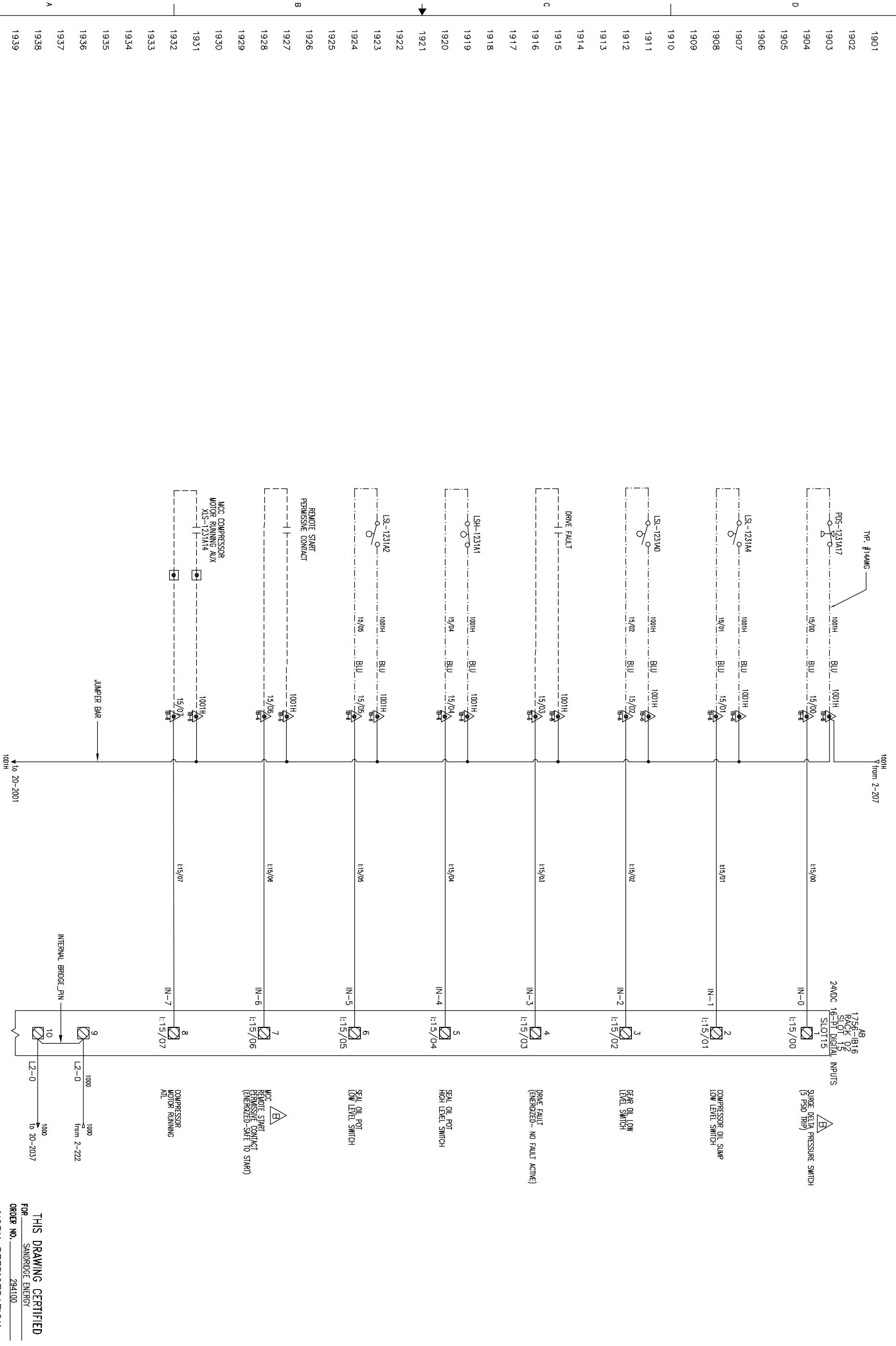
MOTOR STATOR W TEMPERATURE RTD

MOTOR STATOR X TEMPERATURE RTD

MOTOR STATOR Y TEMPERATURE RTD

MOTOR STATOR Z TEMPERATURE RTD

<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE</p>		<p>TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM</p>		<p>THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY, IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.</p> <p>© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED</p>	
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS FOR SHEET DETAIL</p>		<p>SHEET DETAIL RACK 02 SLOT 13 - RTD INPUTS</p>		<p>NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.</p>	
<p>DR D. BURKHOLDER 01/25/08</p>	<p>CHK J. COOK 04/08/09</p>	<p>APPD R. CLIVER 04/08/09</p>	<p>REV C</p>	<p>PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118 YORK DRD NO 294100 PURCH DRD NO 27607-P-13-012JCI</p>	<p>Johnson Controls YORK Process Systems 100 CV AVE P.O. BOX 301 Weyershoe, PA 17268</p>
<p>ORDER NO. 294100</p>		<p>YORK REFRIGERATION Weyershoe, PA</p>		<p>PER ROLLER DATE 5/4/09</p>	



THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.

© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED

Johnson Controls **YORK Process Systems**

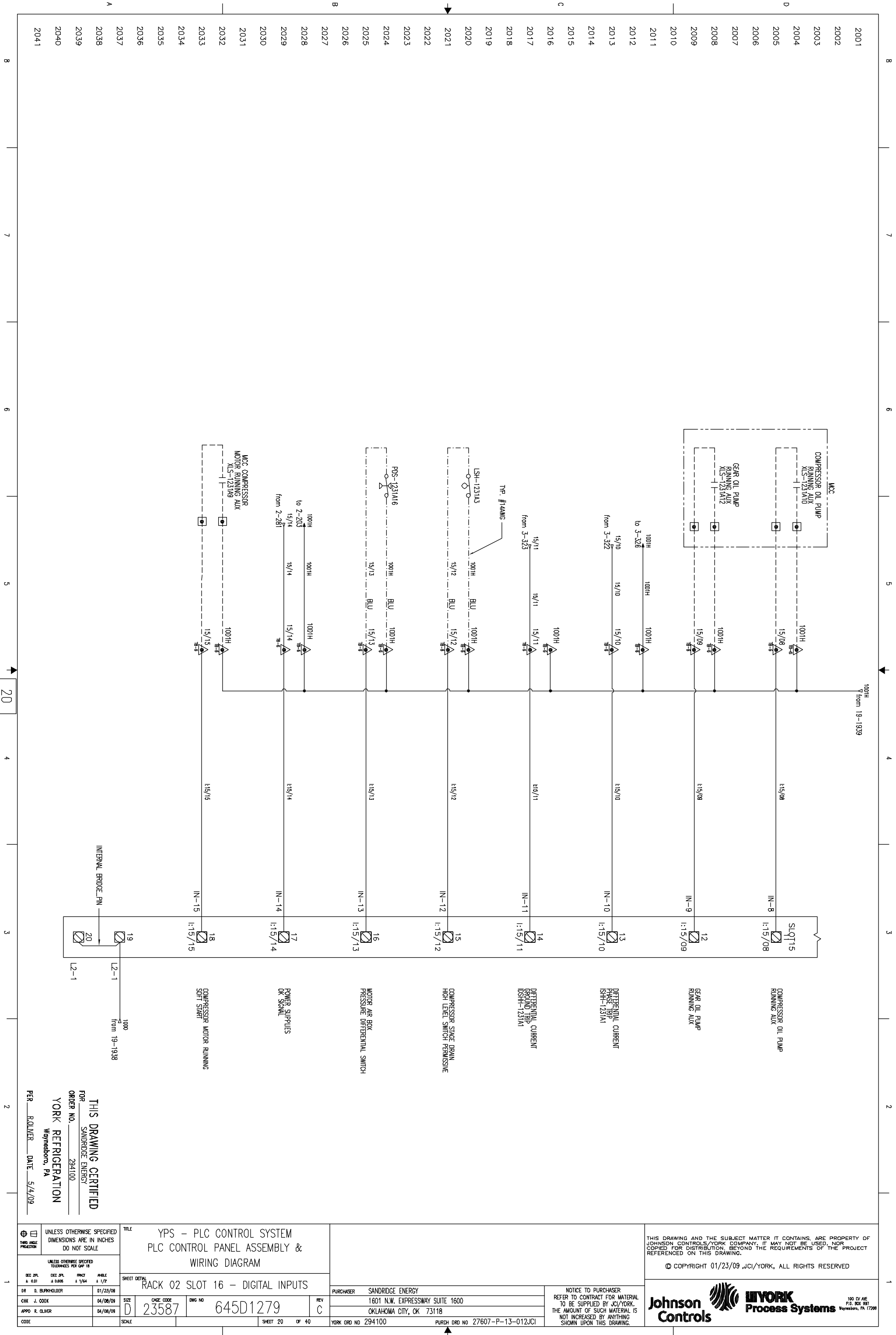
100 CV AVE
PO BOX 301
WYNESBORO, PA 17268

NOTICE TO PURCHASER
REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.

PURCHASER SANDRIDGE ENERGY
1601 N.W. EXPRESSWAY SUITE 1600
OKLAHOMA CITY, OK 73118
YORK DRD NO 294100 PURCH DRD NO 27607-P-13-012JCI

TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM	
SHEET DETAIL RACK 02 SLOT 15 - DIGITAL INPUTS	
DR D. BLANKHOLDER 01/25/08	CHK J. COOK 04/08/09
APPD R. OLIVER 04/08/09	REV C
ORDER NO. 294100	CAGE CODE 645D1279
FOR SANDRIDGE ENERGY	DWG NO 645D1279
FOR YORK REFRIGERATION Wynnesboro, PA	SCALE
PER R. OLIVER DATE 5/4/09	SHEET 19 OF 40

THIS DRAWING CERTIFIED
FOR SANDRIDGE ENERGY
ORDER NO. 294100
FOR YORK REFRIGERATION
Wynnesboro, PA
PER R. OLIVER DATE 5/4/09



THIS DRAWING CERTIFIED
 FOR SANDRIDGE ENERGY
 ORDER NO. 294100
 YORK REFRIGERATION
 Weyershoro, PA
 PER ROLLER DATE 5/4/09

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE		UNLESS OTHERWISE SPECIFIED DIMENSIONS FOR SHEET DETAIL	
DR D. BURKHOLDER	01/25/08	SIZE D	CAGE CODE 23587
CHK J. COOK	04/08/09	SIZE D	DWG NO 645D1279
APPD R. OLIVER	04/08/09	SCALE	SHEET 20 OF 40

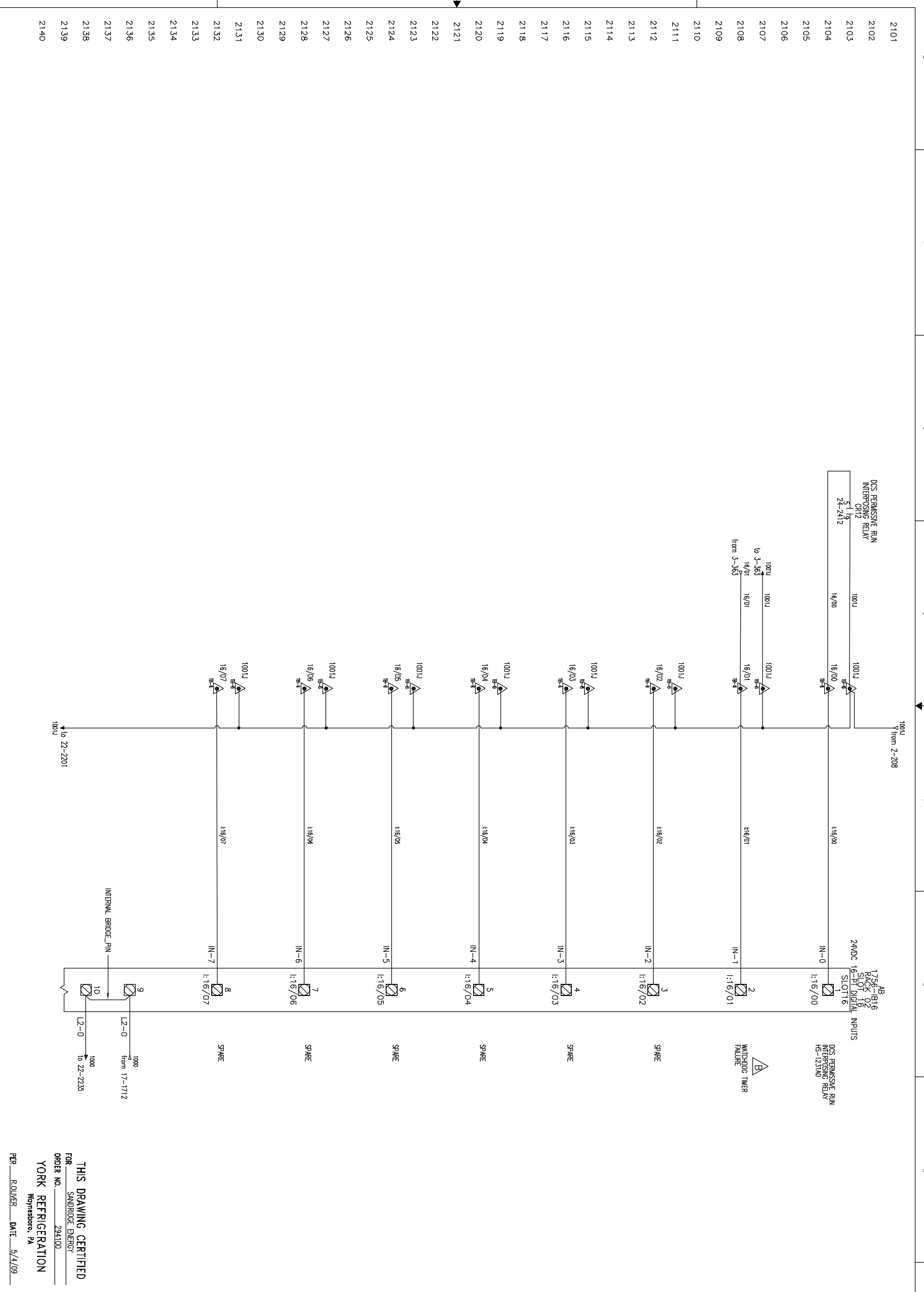
TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM		PURCHASER SANDRIDGE ENERGY	
SHEET DETAIL RACK 02 SLOT 16 - DIGITAL INPUTS		1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118	
YORK DRD NO 294100		PURCH DRD NO 27607-P-13-012JCI	

NOTICE TO PURCHASER
 REFER TO CONTRACT FOR MATERIAL
 TO BE SUPPLIED BY JCI/YORK.
 THE AMOUNT OF SUCH MATERIAL IS
 NOT INCREASED BY ANYTHING
 SHOWN UPON THIS DRAWING.

THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY, IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.

© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED

100 CV AVE
 P.O. BOX 391
 Weyershoro, PA 17268



THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY, IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.

© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED

Johnson Controls **YORK Process Systems**

100 CV AVE
P.O. BOX 301
Waynesboro, PA 17268

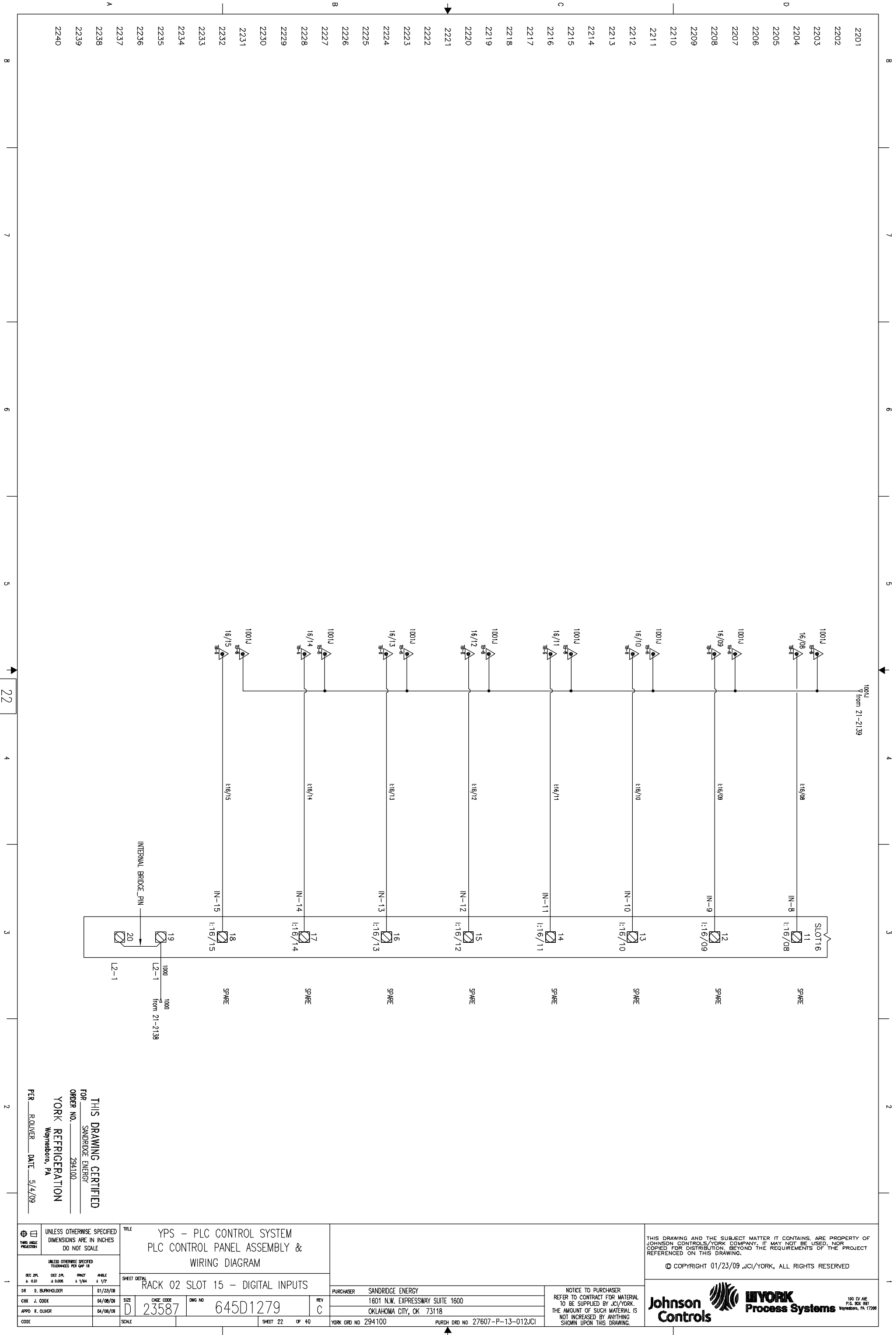
NOTICE TO PURCHASER
REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.

PURCHASER SANDRIDGE ENERGY	
1601 N.W. EXPRESSWAY SUITE 1600	
OKLAHOMA CITY, OK 73118	
YORK DRD NO 294100	PURCH DRD NO 27607-P-13-012JCI

TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM	
SHEET DETAIL RACK 02 SLOT 16 - DIGITAL INPUTS	
SIZE D	CAGE CODE 23587
DWG NO 645D1279	REV C
SCALE SHEET 21 OF 40	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE	
DR D. BURKHOLDER	01/25/08
CHK J. COOK	04/08/09
APPD R. OLIVER	04/08/09
CODE	

THIS DRAWING CERTIFIED
FOR SANDRIDGE ENERGY
ORDER NO. 294100
YORK REFRIGERATION
Waynesboro, PA
PER ROUVER DATE 5/4/09



THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY, IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.

© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED

Johnson Controls **JCI YORK** Process Systems

100 CV AVE
P.O. BOX 391
Wynnewood, PA 17268

NOTICE TO PURCHASER
REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.

PURCHASER SANDRIDGE ENERGY
1601 N.W. EXPRESSWAY SUITE 1600
OKLAHOMA CITY, OK 73118
YORK DRD NO 294100 PURCH DRD NO 27607-P-13-012JCI

TITLE
YPS - PLC CONTROL SYSTEM
PLC CONTROL PANEL ASSEMBLY &
WIRING DIAGRAM

SHEET DETAIL
RACK 02 SLOT 15 - DIGITAL INPUTS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DO NOT SCALE

UNLESS OTHERWISE SPECIFIED
DIMENSIONS FOR SHEET DETAIL

DR	D. BURKHOLDER	01/25/08
CHK	J. COOK	04/08/09
APPD	R. OLIVER	04/08/09

SCALE

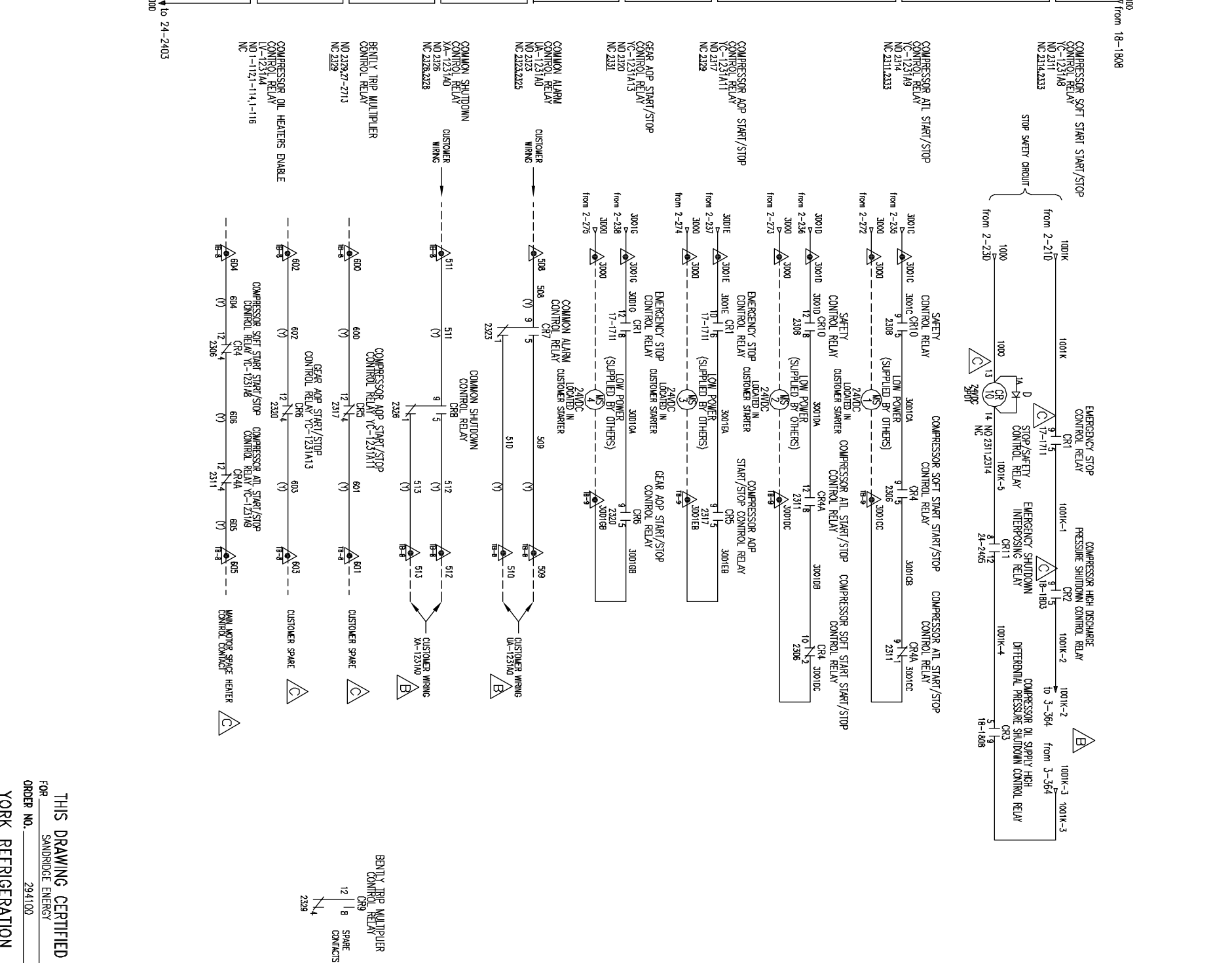
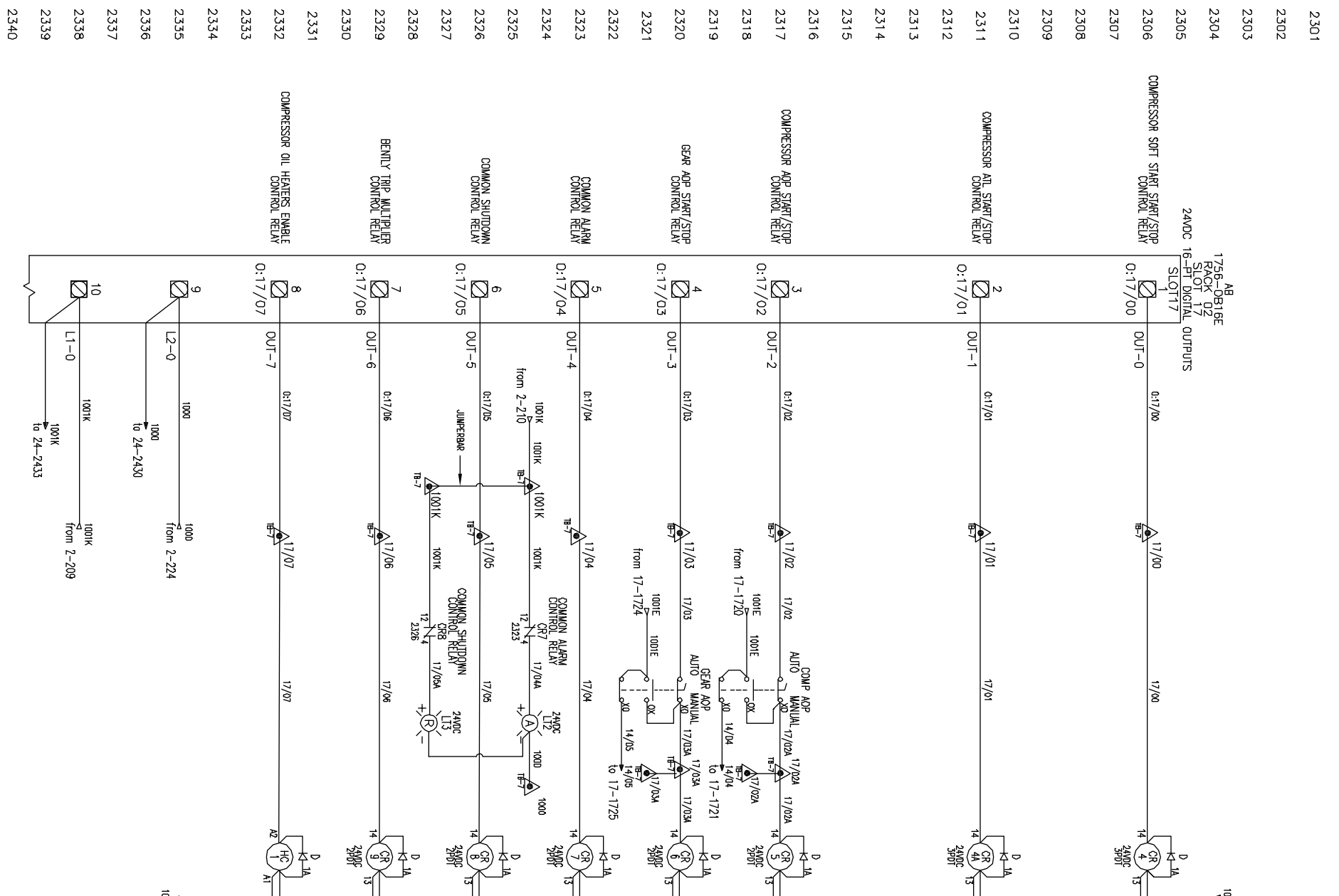
SHEET 22 OF 40

THIS DRAWING CERTIFIED
FOR SANDRIDGE ENERGY
ORDER NO. 294100
YORK REFRIGERATION
Wynnewood, PA

PER R. OLIVER DATE 5/4/09

8 7 6 5 4 3 2 1

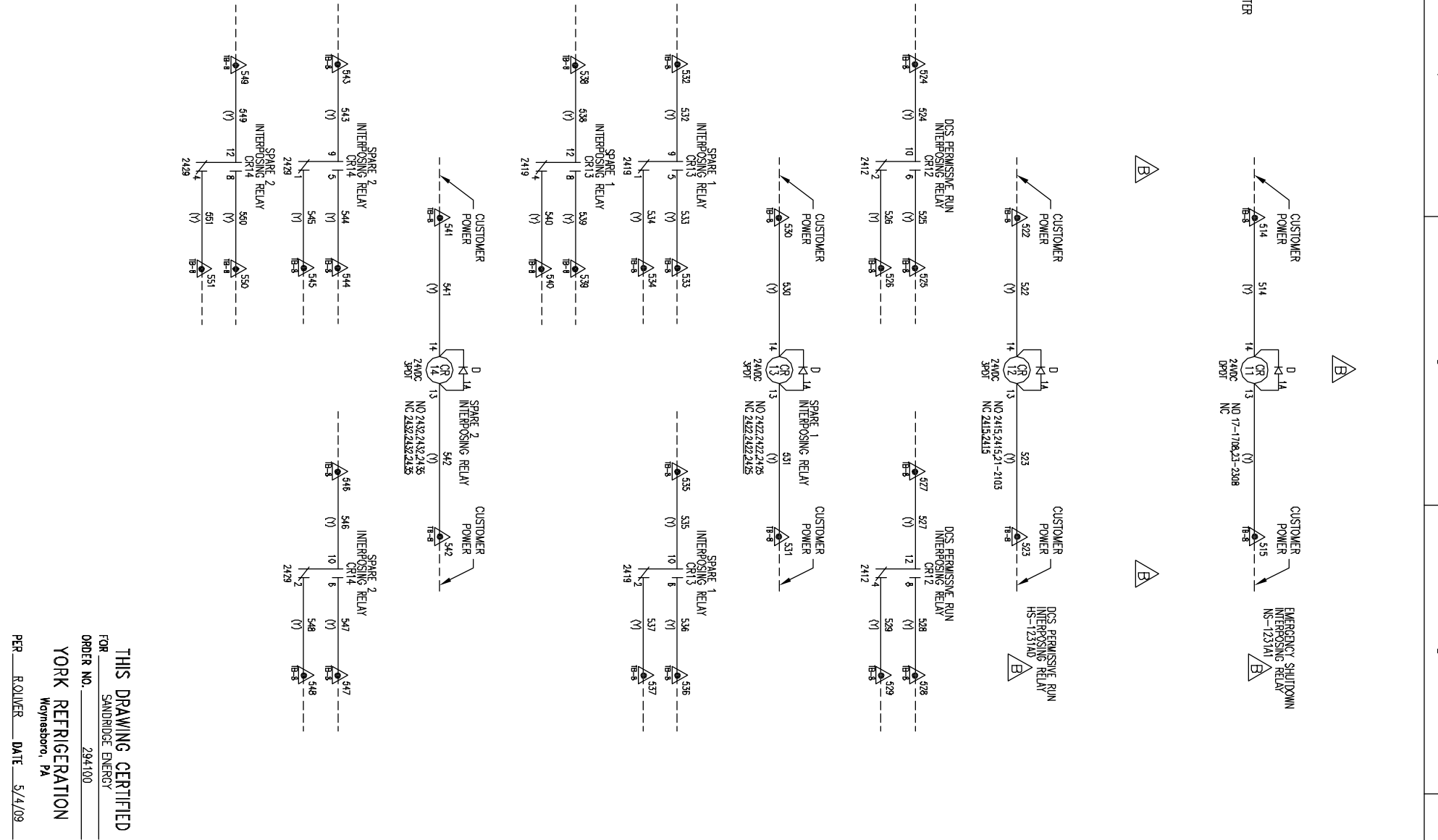
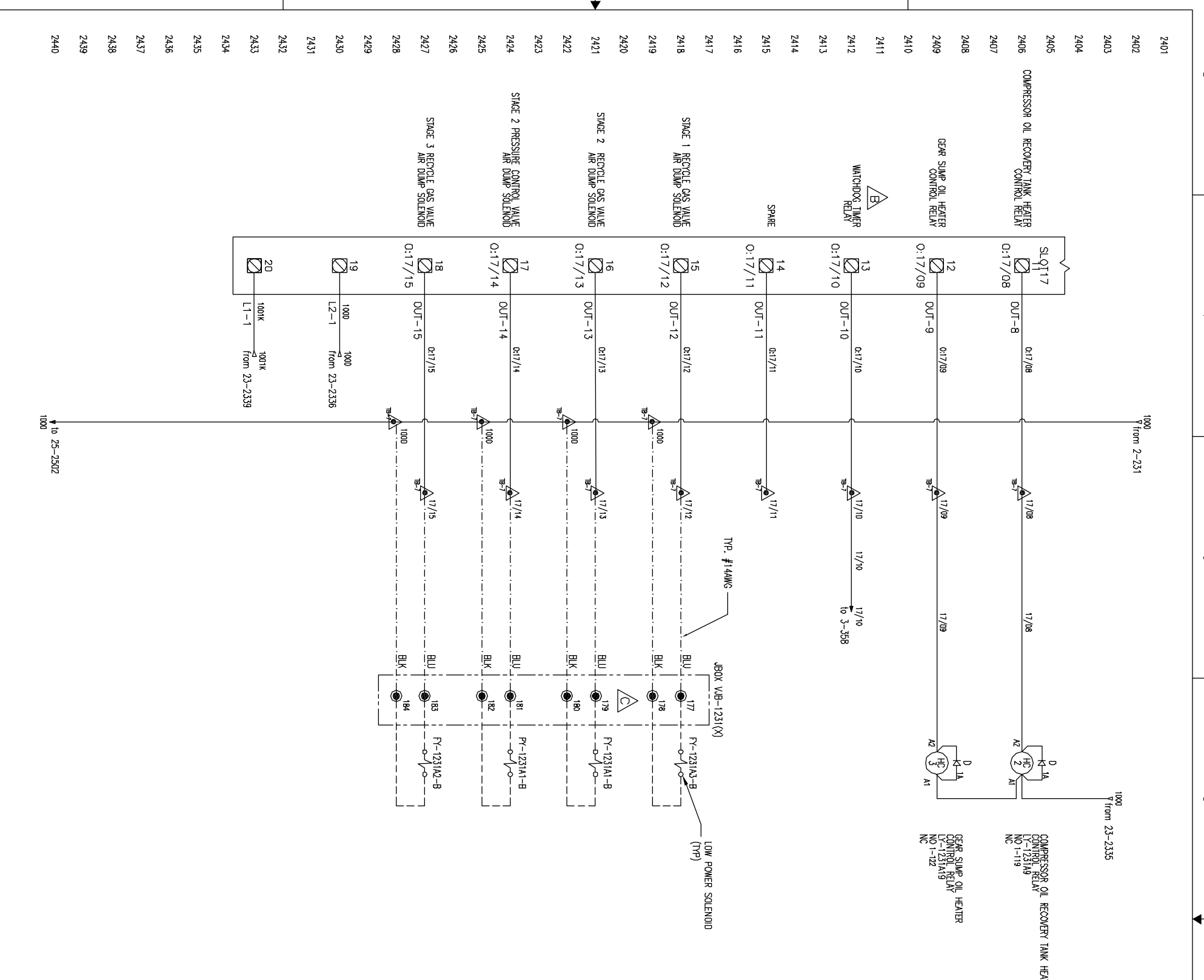
22



<p>THIS DRAWING CERTIFIED FOR SANDRIDGE ENERGY ORDER NO. 294100 YORK REFRIGERATION Wynessboro, PA</p>		<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE</p>		<p>TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM</p>		<p>THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY, IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.</p>	
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE</p>		<p>SHEET DETAIL RACK 02 SLOT 17 - DIGITAL OUTPUTS</p>		<p>PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118 YORK ORD NO 294100 PURCH DRD NO 27607-P-13-012JCI</p>		<p>NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL SPECIFICATIONS AS SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.</p>	
<p>DR B. BURKHOLDER 01/23/08</p>	<p>CHK J. COOK 01/09/08</p>	<p>APPD R. OLIVER 01/08/08</p>	<p>DATE 5/4/09</p>	<p>SCALE</p>	<p>SIZE D</p>	<p>CASE CODE 23587</p>	<p>DWG NO 645D1279</p>
<p>PER ROLIVER</p>		<p>DATE 5/4/09</p>		<p>SHEET 23 OF 40</p>		<p>© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED</p>	

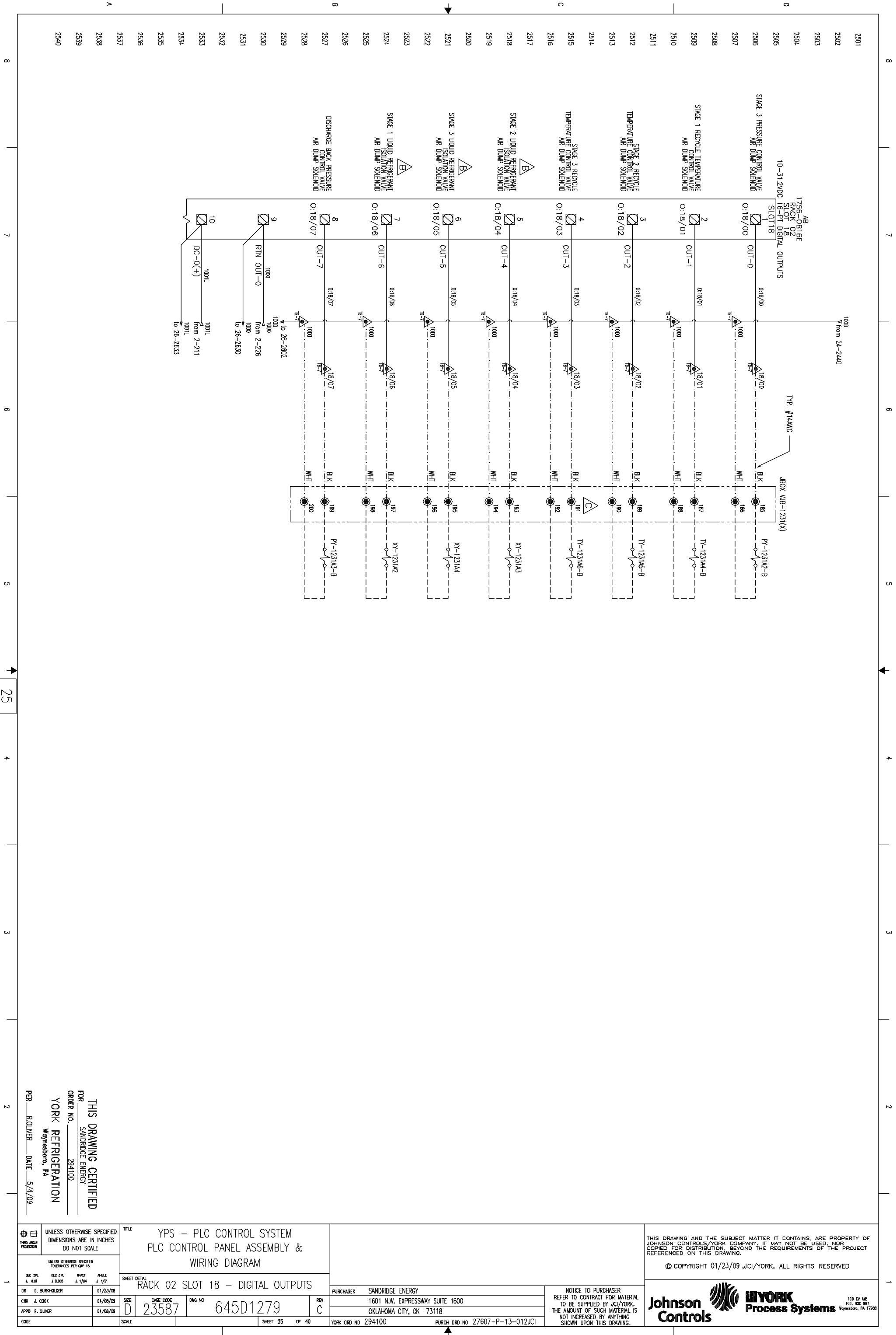


8 7 6 5 4 3 2 1



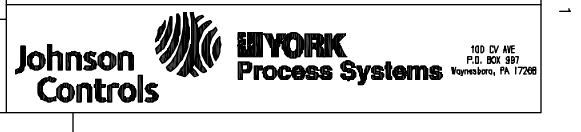
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE</p>		<p>TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM</p>		<p>THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.</p>	
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE</p>		<p>SHEET DETAIL RACK 02 SLOT 17 - DIGITAL OUTPUTS</p>		<p>© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED</p>	
<p>DR D. BURKHOLDER 01/25/08</p>		<p>PURCHASER SANDRIDGE ENERGY</p>		<p>NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.</p>	
<p>CHK J. COOK 04/08/09</p>		<p>1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118</p>		<p>Johnson Controls</p>	
<p>APPD R. OLIVER 04/08/09</p>		<p>YORK ORD NO 294100 PURCH DRD NO 27607-P-13-012JCI</p>		<p>YORK Process Systems</p>	
<p>SCALE</p>		<p>SHEET 24 OF 40</p>		<p>100 CV AVE P.O. BOX 391 York, PA 17404</p>	

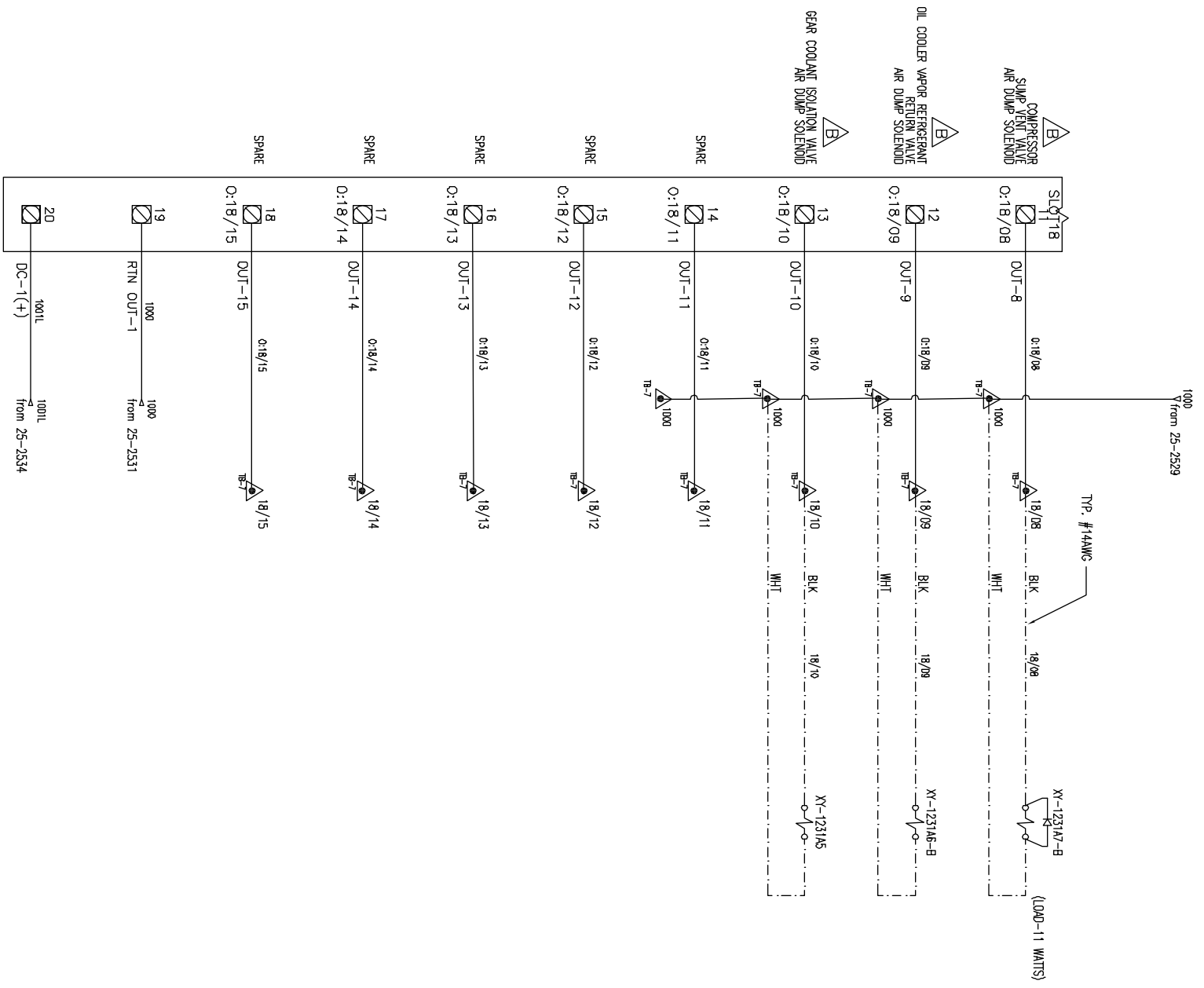
THIS DRAWING CERTIFIED FOR SANDRIDGE ENERGY YORK REFRIGERATION York, PA PER R. OLIVER DATE 5/4/09



THIS DRAWING CERTIFIED
 FOR SANDRIDGE ENERGY
YORK REFRIGERATION
 Weyerssboro, PA
 PER ROLAND DATE 5/4/09

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE UNLESS OTHERWISE SPECIFIED DIMENSIONS FOR PANEL ARE: 1/8" x 1/4" x 1/2"		TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM		THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY, IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING. © COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED	
SHEET DETAIL RACK 02 SLOT 18 - DIGITAL OUTPUTS		PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118		NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.	
DR B. BURKHOLDER CHK J. COOK APPD R. OLIVER	01/23/08 01/09/08 01/08/08	SIZE D CASE CODE 23587 SCALE	DWG NO 645D1279 REV C PURCH DRD NO 294100	SHEET 25 OF 40	PURCH DRD NO 27607-P-13-012JCI





- 2601
- 2602
- 2603
- 2604
- 2605
- 2606
- 2607
- 2608
- 2609
- 2610
- 2611
- 2612
- 2613
- 2614
- 2615
- 2616
- 2617
- 2618
- 2619
- 2620
- 2621
- 2622
- 2623
- 2624
- 2625
- 2626
- 2627
- 2628
- 2629
- 2630
- 2631
- 2632
- 2633
- 2634
- 2635
- 2636
- 2637
- 2638
- 2639
- 2640

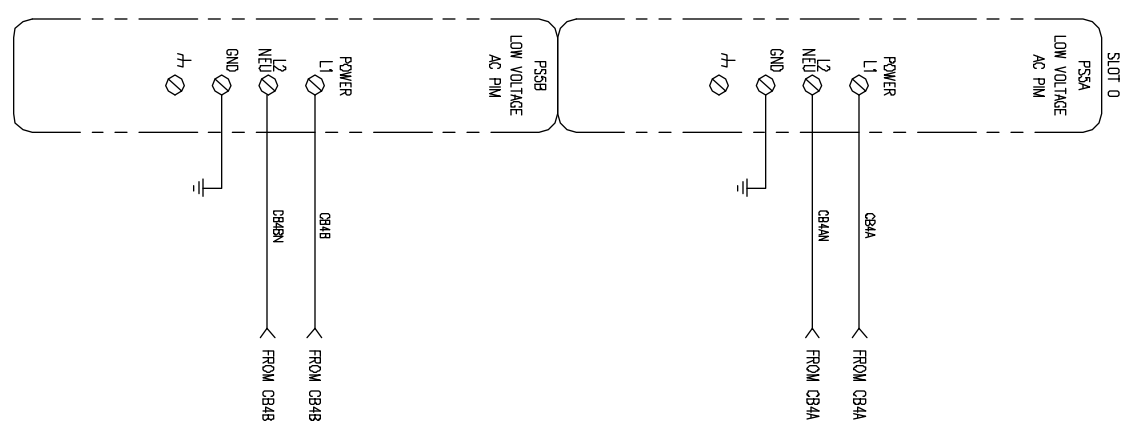
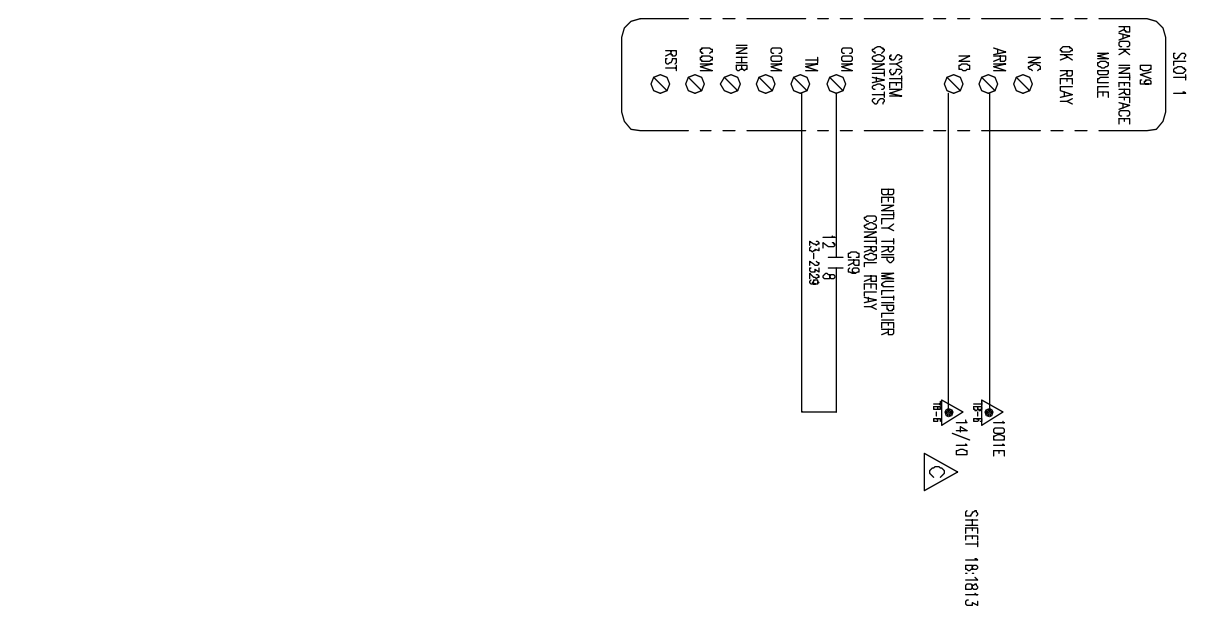
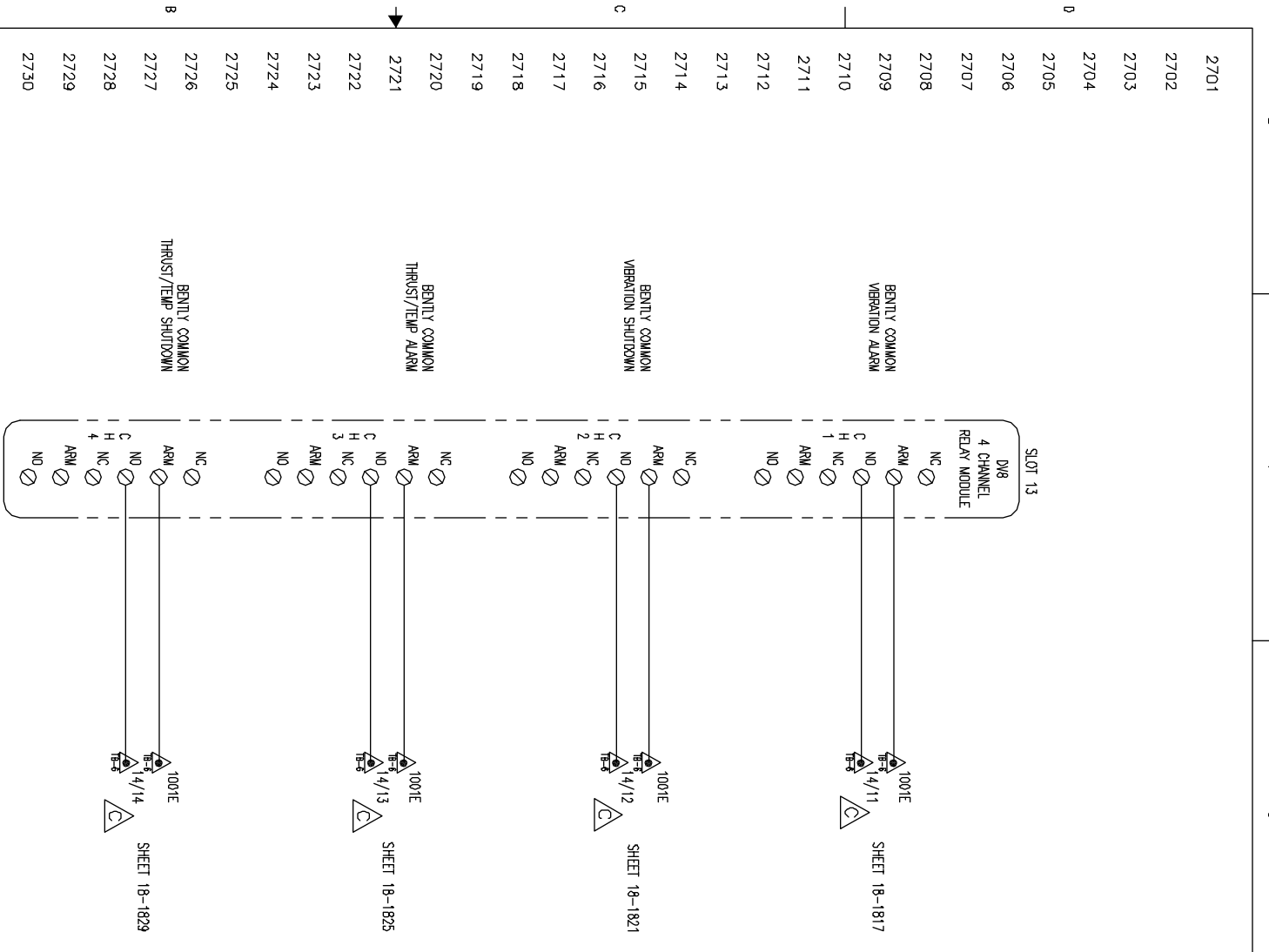
8 7 6 5 4 3 2 1

THIS DRAWING CERTIFIED
FOR SANDRIDGE ENERGY
ORDER NO. 294100

YORK REFRIGERATION
Wyneshoro, PA

PER R. OLIVER DATE 5/4/09

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE UNLESS OTHERWISE SPECIFIED DIMENSIONS FOR SHEET DETAIL SHEET DETAIL: RACK 02 SLOT 18 - DIGITAL OUTPUTS		TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM		PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118		THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING. © COPYRIGHT 1/23/09 JCI/YORK, ALL RIGHTS RESERVED	
DR. D. BURKHOLDER CHK. J. COOK APPD. R. OLIVER	01/25/08 04/08/09 04/08/09	SIZE: D CASE CODE: 23587 SCALE:	DWG NO: 645D1279 REV: C SHEET 26 OF 40	NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.			



2701
2702
2703
2704
2705
2706
2707
2708
2709
2710
2711
2712
2713
2714
2715
2716
2717
2718
2719
2720
2721
2722
2723
2724
2725
2726
2727
2728
2729
2730
2731
2732
2733
2734
2735
2736
2737
2738
2739
2740

BENTLY COMMON
VIBRATION ALARM

BENTLY COMMON
THRUST/TEMP ALARM

BENTLY COMMON
THRUST/TEMP SHUTDOWN

BENTLY COMMON
THRUST/TEMP SHUTDOWN

SHEET 18-1817

SHEET 18-1821

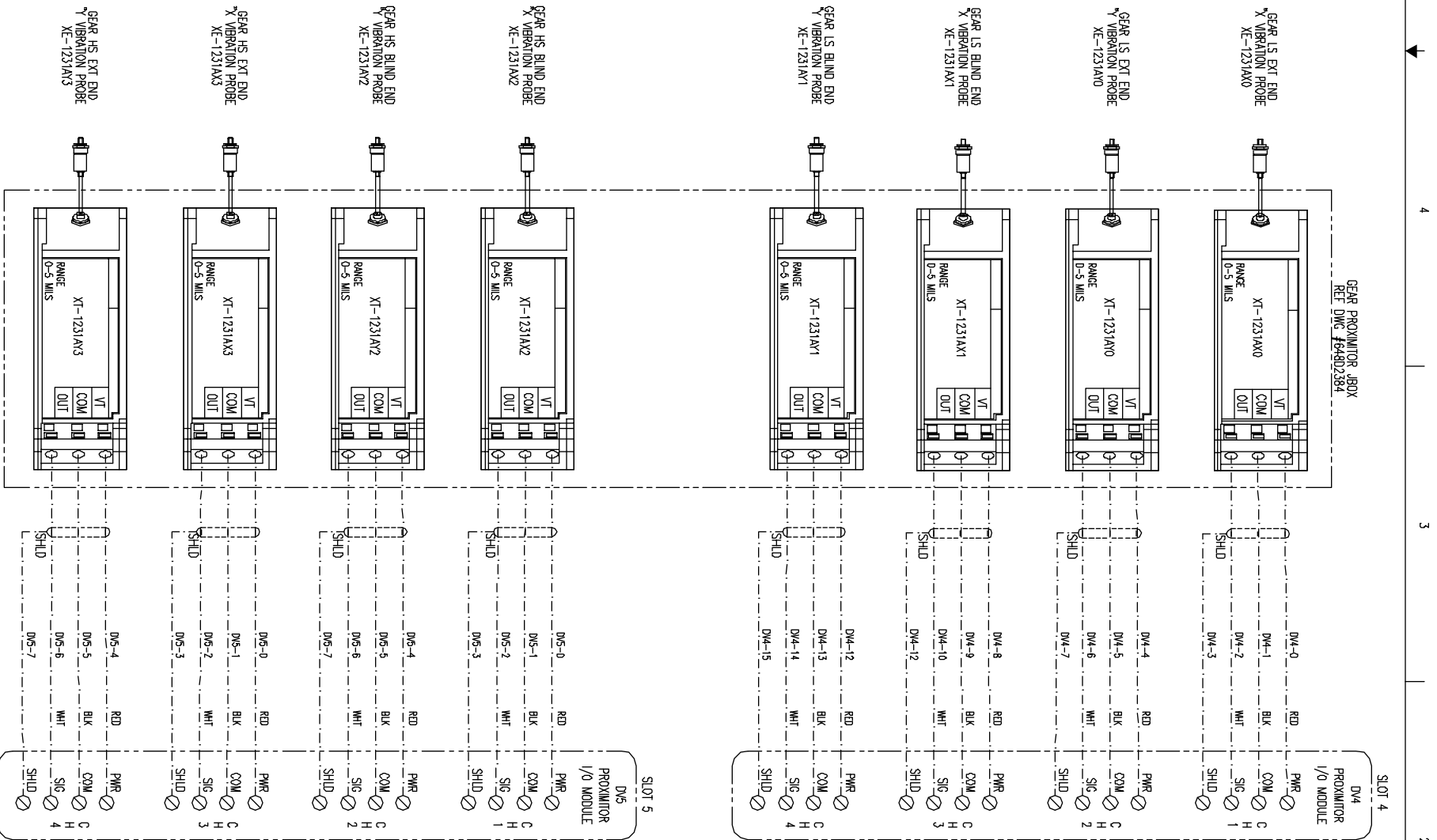
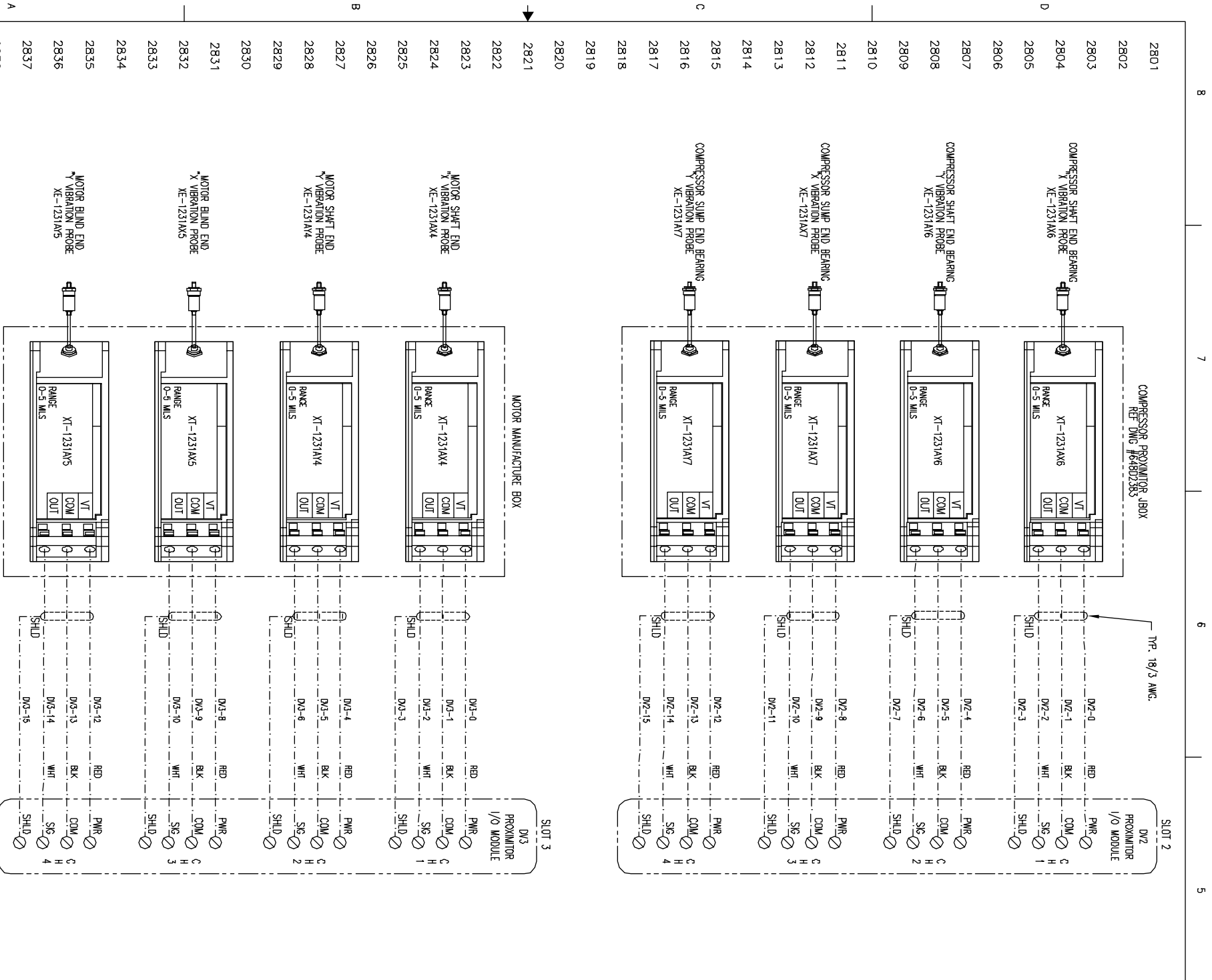
SHEET 18-1825

SHEET 18-1829

SHEET 18:1813

8 7 6 5 4 3 2 1

<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE</p>		<p>TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM</p>		<p>THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY, IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.</p> <p>© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED</p>	
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS PER SHEET 18-1829</p>		<p>SHEET DETAIL BENTLY POWER, RACK INTERFACE</p>		<p>NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.</p>	
<p>DR B. BURKHOLDER CHK J. COOK APPD R. OLIVER</p>	<p>01/23/08 01/09/08 01/08/08</p>	<p>SIZE D CAGE CODE 23587 SCALE</p>	<p>DWG NO 645D1279 REV C</p>	<p>PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118</p>	<p>100 DV ME P.O. BOX 301 Waynesboro, PA 17268</p>
<p>PER ROLLER DATE 5/4/09</p>		<p>YORK REFRIGERATION Waynesboro, PA</p>		<p>Johnson Controls YORK Process Systems</p>	



2801 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2802 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2803 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2804 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2805 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2806 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2807 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2808 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2809 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2810 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2811 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2812 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2813 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2814 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2815 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2816 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2817 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2818 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2819 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2820 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2821 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2822 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2823 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2824 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2825 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2826 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2827 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2828 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2829 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2830 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2831 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2832 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2833 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2834 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2835 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2836 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2837 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2838 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2839 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

2840 COMPRESSOR SHAFT END BEARING VIBRATION PROBE XE-1231AX6

THIS DRAWING CERTIFIED
FOR SANDRIDGE ENERGY
ORDER NO. 2941100
YORK REFRIGERATION
Weyerssboro, PA
PER: R. OLIVER DATE: 5/4/09

TITLE
YPS - PLC CONTROL SYSTEM
PLC CONTROL PANEL ASSEMBLY &
WIRING DIAGRAM

SHEET DETAIL
BENTLY PROXIMITORS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DO NOT SCALE

UNLESS OTHERWISE SPECIFIED
TOLERANCES PER ANSI Y14.5

DR. D. BURKHOLDER	01/25/08
CHK. J. COOK	04/08/09
APPD. R. OLIVER	04/08/09

PURCHASER: SANDRIDGE ENERGY
1601 N.W. EXPRESSWAY SUITE 1600
OKLAHOMA CITY, OK 73118
YORK ORD NO 2941100 PURCH DTD NO 27607-P-13-012JCI

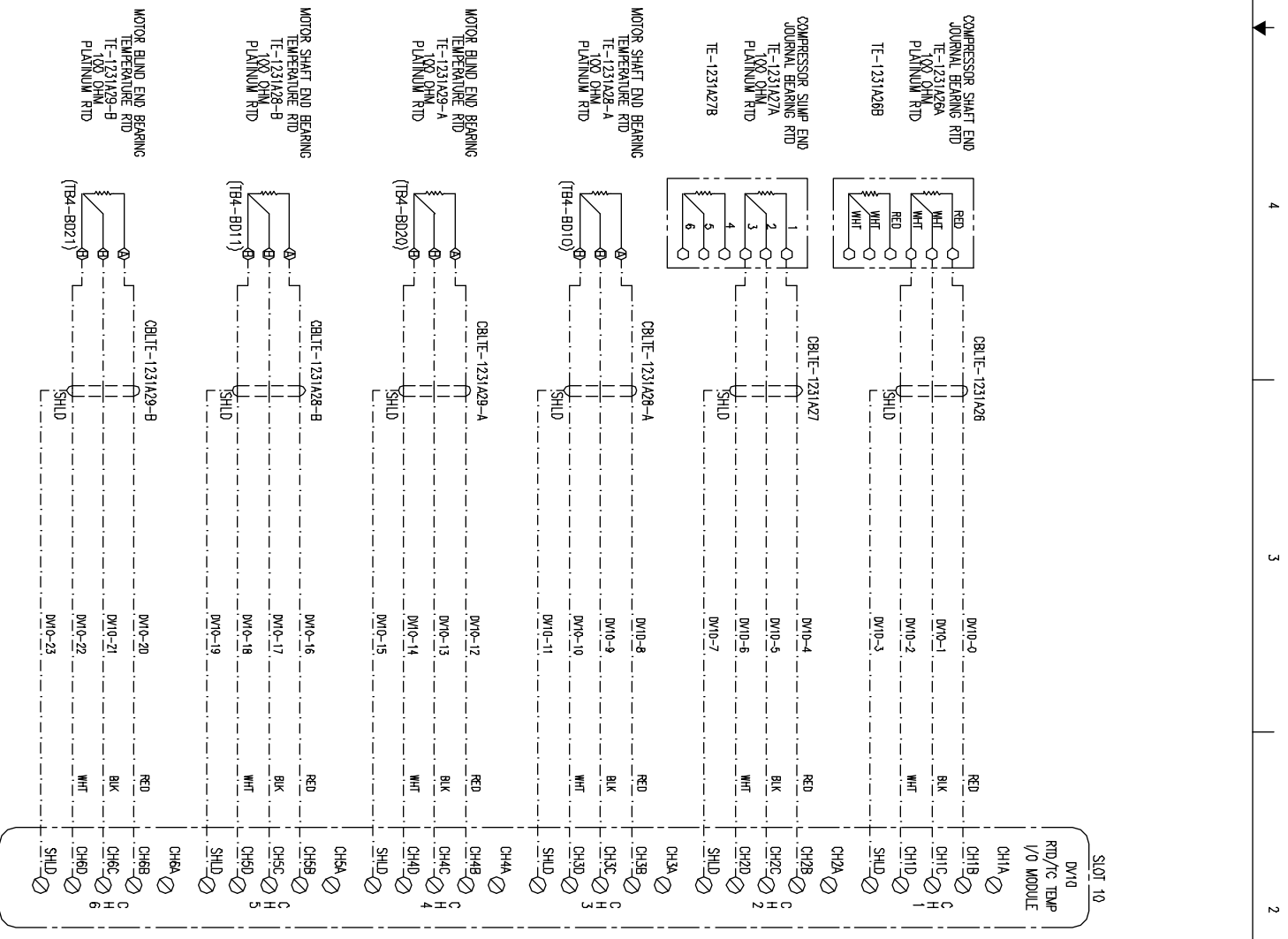
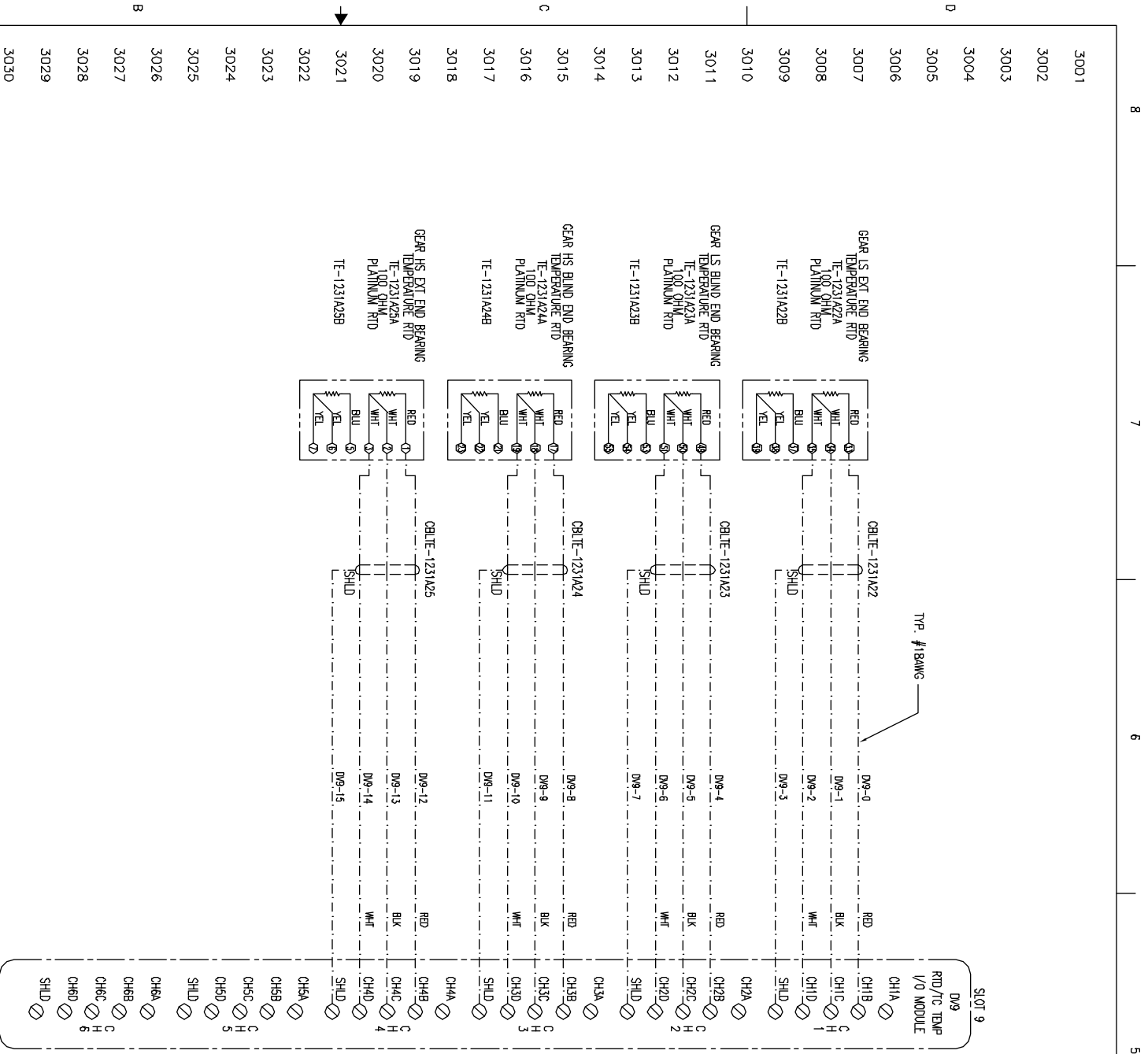
NOTICE TO PURCHASER
REFER TO CONTRACT FOR MATERIAL
TO BE SUPPLIED BY JCI/YORK.
THE AMOUNT OF SUCH MATERIAL IS
NOT INCREASED BY ANYTHING
SHOWN UPON THIS DRAWING.

THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF
JOHNSON CONTROLS/YORK COMPANY, IT MAY NOT BE USED, NOR
COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT
REFERENCED ON THIS DRAWING.

© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED

Johnson Controls **YORK Process Systems**

100 CV AVE
P.O. BOX 381
Weyerssboro, PA 17268



3001	GEAR LS BLIND END BEARING TEMPERATURE RTD
3002	GEAR LS BLIND END BEARING TEMPERATURE RTD
3003	GEAR LS BLIND END BEARING TEMPERATURE RTD
3004	GEAR LS BLIND END BEARING TEMPERATURE RTD
3005	GEAR LS BLIND END BEARING TEMPERATURE RTD
3006	GEAR LS BLIND END BEARING TEMPERATURE RTD
3007	GEAR HS BLIND END BEARING TEMPERATURE RTD
3008	GEAR HS BLIND END BEARING TEMPERATURE RTD
3009	GEAR HS BLIND END BEARING TEMPERATURE RTD
3010	GEAR HS BLIND END BEARING TEMPERATURE RTD
3011	GEAR HS BLIND END BEARING TEMPERATURE RTD
3012	GEAR HS BLIND END BEARING TEMPERATURE RTD
3013	GEAR HS BLIND END BEARING TEMPERATURE RTD
3014	GEAR HS BLIND END BEARING TEMPERATURE RTD
3015	GEAR HS BLIND END BEARING TEMPERATURE RTD
3016	GEAR HS BLIND END BEARING TEMPERATURE RTD
3017	GEAR HS BLIND END BEARING TEMPERATURE RTD
3018	GEAR HS BLIND END BEARING TEMPERATURE RTD
3019	GEAR HS BLIND END BEARING TEMPERATURE RTD
3020	GEAR HS BLIND END BEARING TEMPERATURE RTD
3021	GEAR HS BLIND END BEARING TEMPERATURE RTD
3022	GEAR HS BLIND END BEARING TEMPERATURE RTD
3023	GEAR HS BLIND END BEARING TEMPERATURE RTD
3024	GEAR HS BLIND END BEARING TEMPERATURE RTD
3025	GEAR HS BLIND END BEARING TEMPERATURE RTD
3026	GEAR HS BLIND END BEARING TEMPERATURE RTD
3027	GEAR HS BLIND END BEARING TEMPERATURE RTD
3028	GEAR HS BLIND END BEARING TEMPERATURE RTD
3029	GEAR HS BLIND END BEARING TEMPERATURE RTD
3030	GEAR HS BLIND END BEARING TEMPERATURE RTD
3031	GEAR HS BLIND END BEARING TEMPERATURE RTD
3032	GEAR HS BLIND END BEARING TEMPERATURE RTD
3033	GEAR HS BLIND END BEARING TEMPERATURE RTD
3034	GEAR HS BLIND END BEARING TEMPERATURE RTD
3035	GEAR HS BLIND END BEARING TEMPERATURE RTD
3036	GEAR HS BLIND END BEARING TEMPERATURE RTD
3037	GEAR HS BLIND END BEARING TEMPERATURE RTD
3038	GEAR HS BLIND END BEARING TEMPERATURE RTD
3039	GEAR HS BLIND END BEARING TEMPERATURE RTD
3040	GEAR HS BLIND END BEARING TEMPERATURE RTD

3021	MOTOR SHAFT END BEARING TEMPERATURE RTD
3022	MOTOR SHAFT END BEARING TEMPERATURE RTD
3023	MOTOR SHAFT END BEARING TEMPERATURE RTD
3024	MOTOR SHAFT END BEARING TEMPERATURE RTD
3025	MOTOR SHAFT END BEARING TEMPERATURE RTD
3026	MOTOR SHAFT END BEARING TEMPERATURE RTD
3027	MOTOR SHAFT END BEARING TEMPERATURE RTD
3028	MOTOR SHAFT END BEARING TEMPERATURE RTD
3029	MOTOR SHAFT END BEARING TEMPERATURE RTD
3030	MOTOR SHAFT END BEARING TEMPERATURE RTD
3031	MOTOR SHAFT END BEARING TEMPERATURE RTD
3032	MOTOR SHAFT END BEARING TEMPERATURE RTD
3033	MOTOR SHAFT END BEARING TEMPERATURE RTD
3034	MOTOR SHAFT END BEARING TEMPERATURE RTD
3035	MOTOR SHAFT END BEARING TEMPERATURE RTD
3036	MOTOR SHAFT END BEARING TEMPERATURE RTD
3037	MOTOR SHAFT END BEARING TEMPERATURE RTD
3038	MOTOR SHAFT END BEARING TEMPERATURE RTD
3039	MOTOR SHAFT END BEARING TEMPERATURE RTD
3040	MOTOR SHAFT END BEARING TEMPERATURE RTD

THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.

© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED



NOTICE TO PURCHASER
REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.

PURCHASER	SANDRIDGE ENERGY
	1601 N.W. EXPRESSWAY SUITE 1600
	OKLAHOMA CITY, OK 73118
YORK ORD NO	294100
PURCH ORD NO	27607-P-13-012JCI

TITLE		YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM	
SHEET DETAIL		BENTLY RTD'S	
SIZE	D	CASE CODE	23587
DWG NO	645D1279	REV	C
SCALE		SHEET	30 OF 40

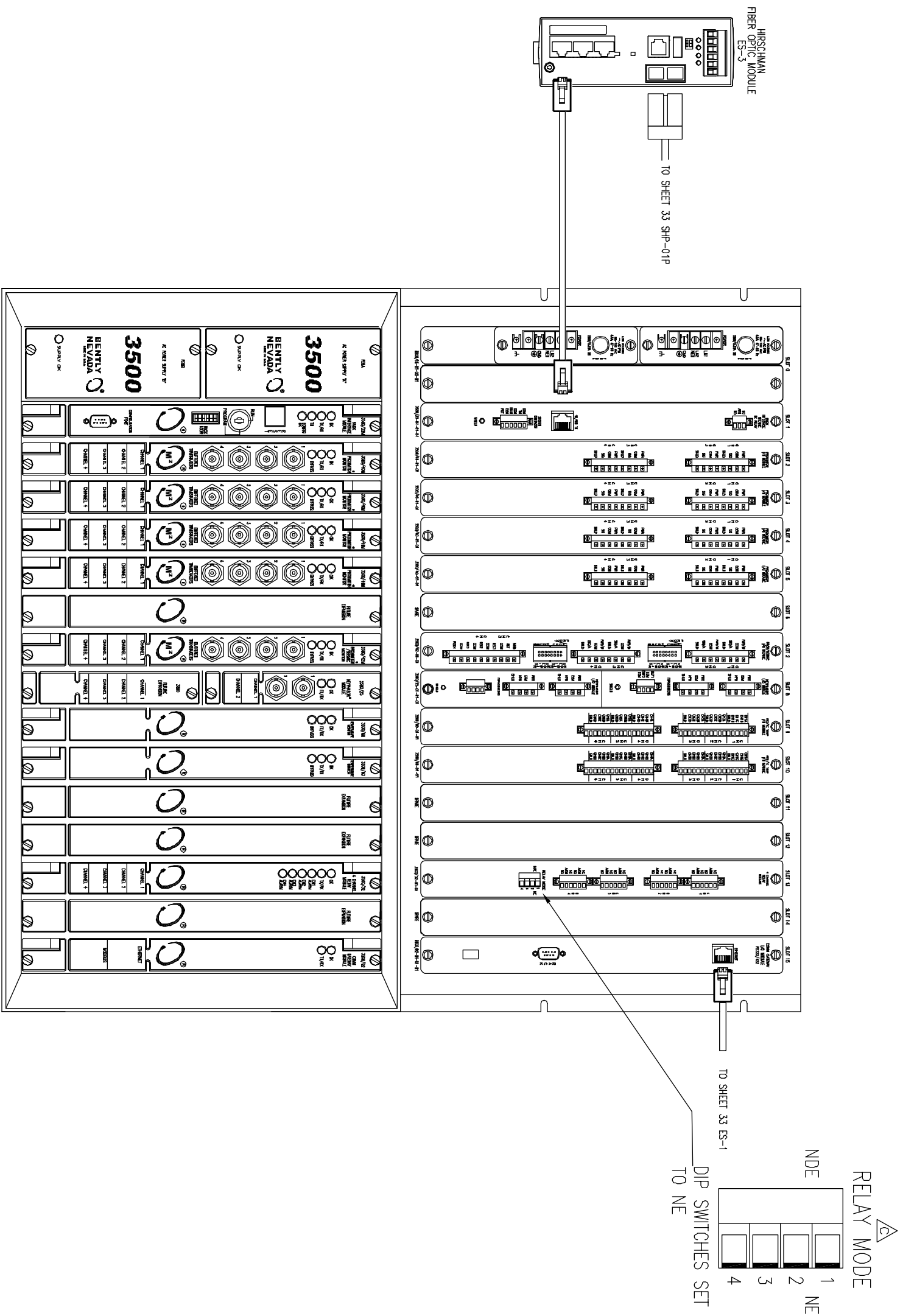
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE	
UNLESS OTHERWISE SPECIFIED TOLERANCES PER ASME	
DEC. PL. & 0.01	FRACT. & 1/64
DR. D. BURKHOLDER	01/23/08
CHK. J. COOK	01/08/09
APPD. R. OLIVER	01/08/09
CODE	

THIS DRAWING CERTIFIED FOR SANDRIDGE ENERGY ORDER NO. 294100

YORK REFRIGERATION Weyersboro, PA

PER R. OLIVER DATE 5/4/09

8 7 6 5 4 3 2 1



THIS DRAWING CERTIFIED
 FOR SANDRIDGE ENERGY
 ORDER NO. 294100
 YORK REFRIGERATION
 Waynesboro, PA
 PER R. OLIVER DATE 5/4/09

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE			
UNLESS OTHERWISE SPECIFIED TOLERANCES FOR CAST	IN	FRAC	ANGLE
DEC. DIM.	± 0.01	FLOOR	± 1/64
DR	D. BURKHOLDER	DATE	01/25/08
CHK	J. COOK	DATE	04/08/09
APPD	R. OLIVER	DATE	04/08/09
CODE			

TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM			
SHEET DETAIL BENTLY LAYOUT			
SIZE	D	CAGE CODE	23587
DWG NO	645D1279	REV	C
SHEET 31 OF 40			

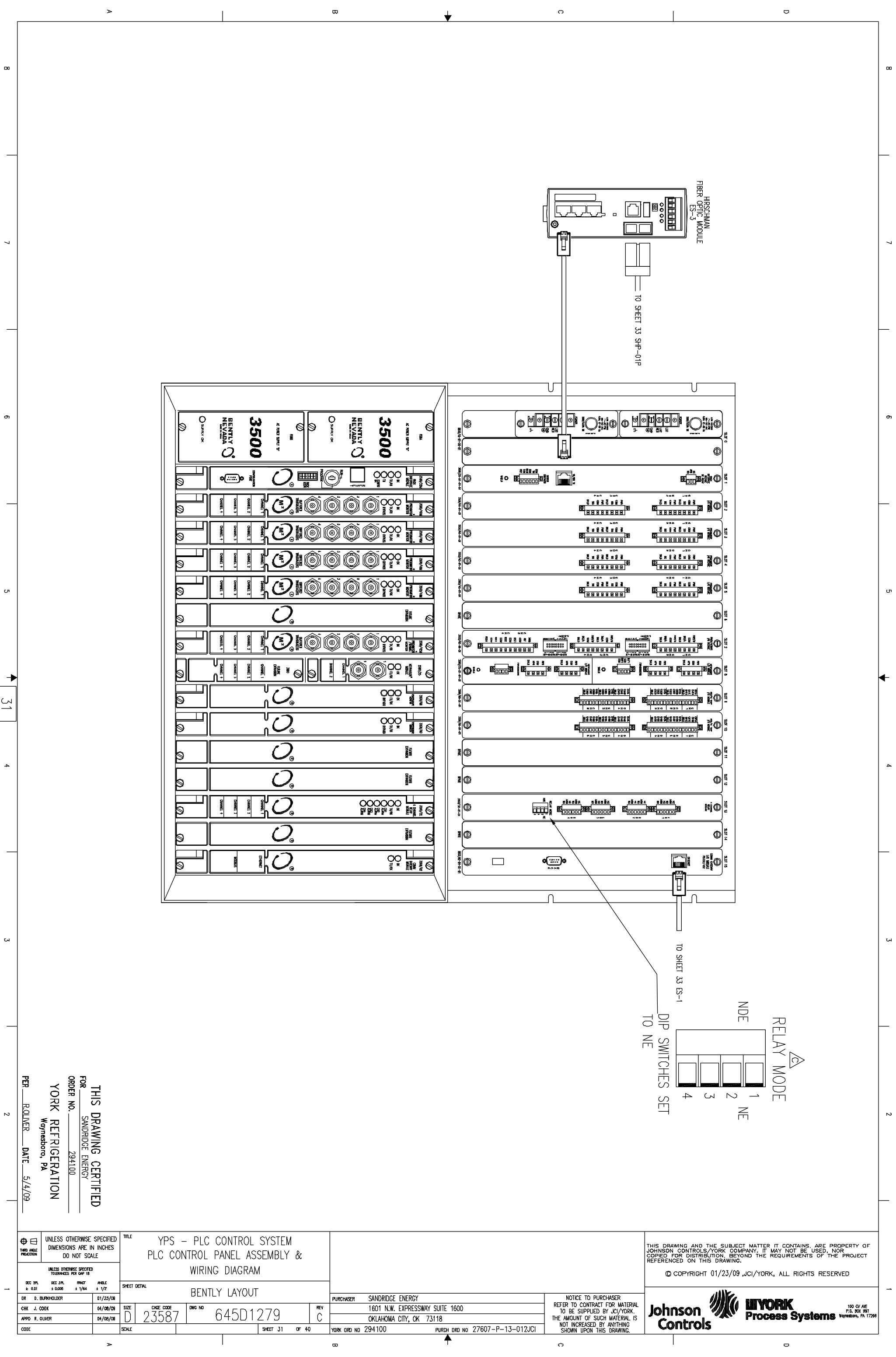
PURCHASER SANDRIDGE ENERGY	
1601 N.W. EXPRESSWAY SUITE 1600	
OKLAHOMA CITY, OK 73118	
YORK ORD NO 294100	PURCH DRD NO 27607-P-13-012JCI

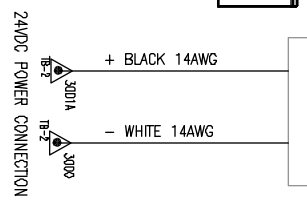
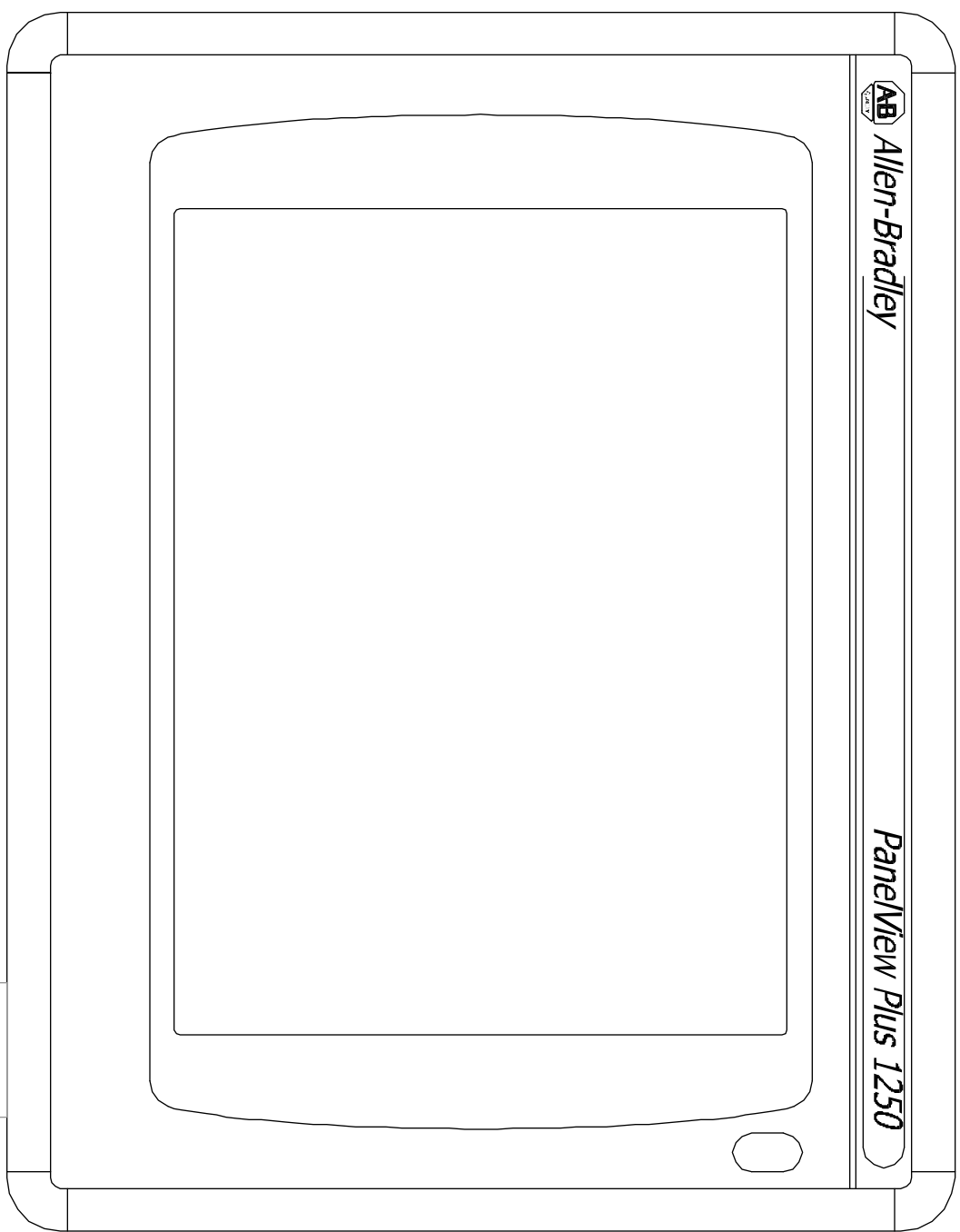
NOTICE TO PURCHASER
 REFER TO CONTRACT FOR MATERIAL
 TO BE SUPPLIED BY JCI/YORK.
 THE AMOUNT OF SUCH MATERIAL IS
 NOT INCREASED BY ANYTHING
 SHOWN UPON THIS DRAWING.

THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.

© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED

100 CV A/E
 P.O. BOX 991
 Waynesboro, PA 17268





FROM SHEET 33

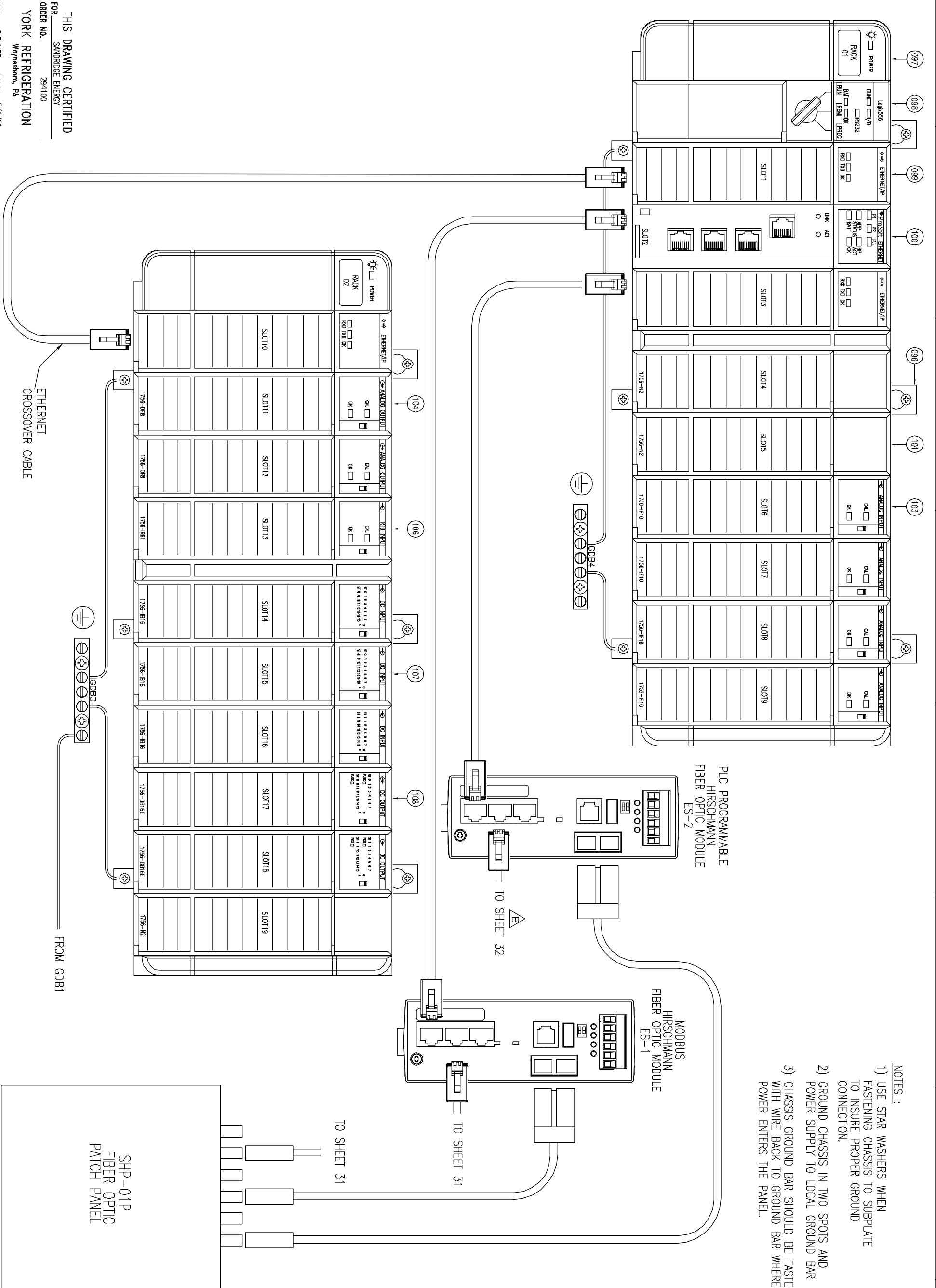
8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

THIS DRAWING CERTIFIED
 FOR SANDRIDGE ENERGY
 ORDER NO. 294100
 YORK REFRIGERATION
 Weyersboro, PA
 PER. ROLVER DATE 5/4/09

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE UNLESS OTHERWISE SPECIFIED DIMENSIONS FOR CUT IN DEC 2PL 1/8" 1/16" 1/32" 1/64" 1/32" 1/64" 1/32" 1/64"		TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM		PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118		NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.		THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY, IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING. © COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED	
DR D. BURKHOLDER 01/25/08 CHK J. COOK 04/08/09 APPD R. OLIVER 04/08/09		SHEET DETAIL PANELVIEW WIRING		SCALE SHEET 32 OF 40		YORK ORD NO 294100 PURCH ORD NO 27607-P-13-012JCI		Johnson Controls YORK Process Systems 100 LV AVE P.O. BOX 397 Weyersboro, PA 17268	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE		TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM		PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118		NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.		THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY, IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING. © COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED	
DR D. BURKHOLDER 01/25/08 CHK J. COOK 04/08/09 APPD R. OLIVER 04/08/09		SHEET DETAIL PANELVIEW WIRING		SCALE SHEET 32 OF 40		YORK ORD NO 294100 PURCH ORD NO 27607-P-13-012JCI		Johnson Controls YORK Process Systems 100 LV AVE P.O. BOX 397 Weyersboro, PA 17268	

- NOTES:
- 1) USE STAR WASHERS WHEN FASTENING CHASSIS TO SUBPLATE TO INSURE PROPER GROUND CONNECTION.
 - 2) GROUND CHASSIS IN TWO SPOTS AND POWER SUPPLY TO LOCAL GROUND BAR
 - 3) CHASSIS GROUND BAR SHOULD BE FASTENED WITH WIRE BACK TO GROUND BAR WHERE POWER ENTERS THE PANEL.



PLC PROGRAMMABLE
HIRSCHMANN
FIBER OPTIC MODULE
ES-2

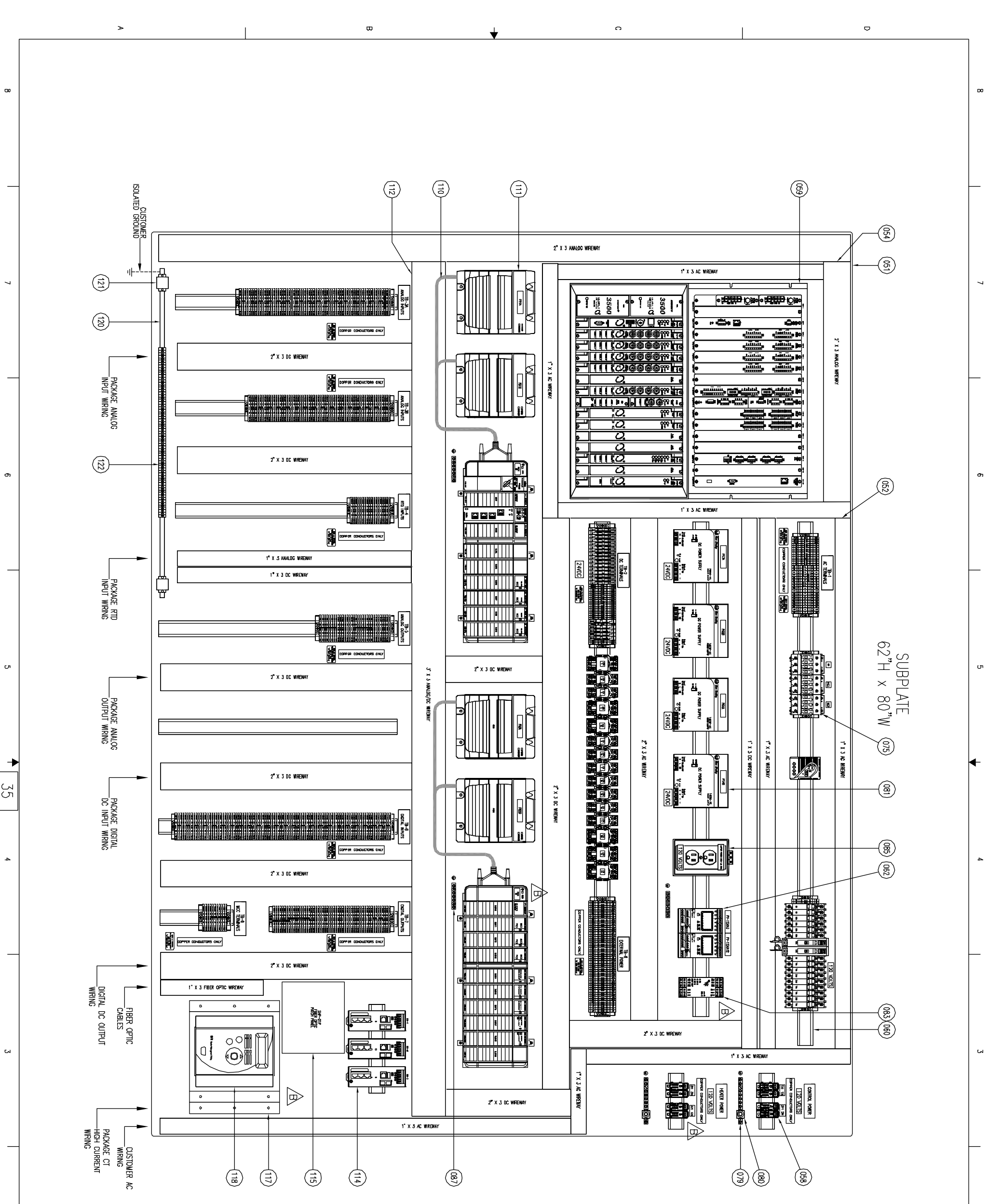
MODBUS
HIRSCHMANN
FIBER OPTIC MODULE
ES-1

SHP-01P
FIBER OPTIC
PATCH PANEL

THIS DRAWING CERTIFIED
FOR SANDRIDGE ENERGY
ORDER NO. 294100
YORK REFRIGERATION
Waynesboro, PA

PER R. OLIVER DATE 5/4/09

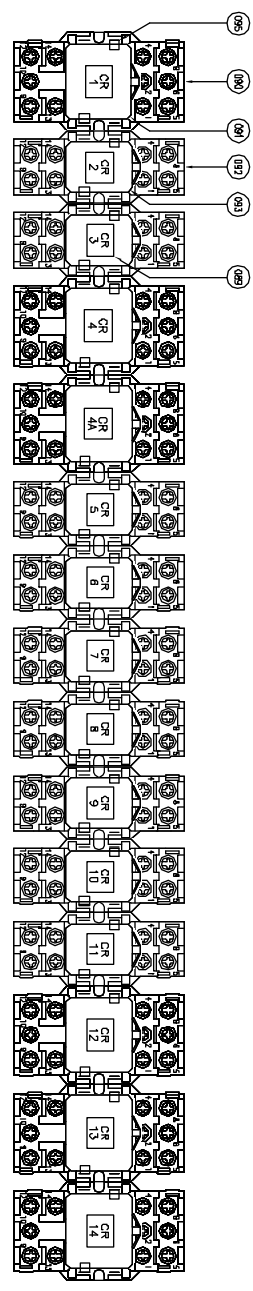
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE		UNLESS OTHERWISE SPECIFIED TOLERANCES PER ASME		TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM		PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118 YORK ORD NO 294100 PURCH DRD NO 27607-P-13-012JCI		NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.		THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY, IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING. © COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED	
DR	D. BURKHOLDER	DATE	01/25/08	REV	C	SCALE	SHEET 33 OF 40	Johnson Controls		YORK Process Systems	
CHK	J. COOK	DATE	04/08/09	SIZE	D	CAGE CODE	23587	DWG NO	645D1279	100 DV ME P18 BOX 381 Waynesboro, PA 17268	
APPD	R. OLIVER	DATE	04/08/09								



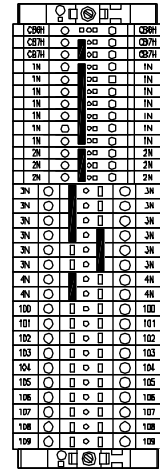
SUBPLATE
62" H x 80" W

THIS DRAWING CERTIFIED
FOR SANDRIDGE ENERGY
YORK REFRIGERATION
Moyensboro, PA
ORDER NO. 294100
PER R. OLIVER DATE 5/4/09

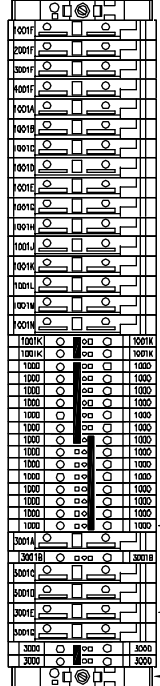
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE UNLESS OTHERWISE SPECIFIED TOLERANCES PER ASME Y14.5 DEC DR. & DIM. 1/16" FRACTIONAL DEC DR. & DIM. 1/32" DECIMAL DEC DR. & DIM. 1/64" DECIMAL DEC DR. & DIM. 1/128" DECIMAL		TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM		THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING. © COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED	
SHEET DETAIL BACKPLATE LAYOUT		PURCHASER SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118		NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.	
DR. D. BURKHOLDER 01/23/08 CHK. J. COOK 01/09/09 APPD. R. OLIVER 01/09/09		SIZE D CASE CODE 23587		DWG NO. 645D1279 REV. C YORK ORD NO. 294100 PURCH. ORD NO. 27607-P-13-012JCI	
SCALE 1:4 SHEET 35 OF 40		YORK ORD NO. 294100 PURCH. ORD NO. 27607-P-13-012JCI			



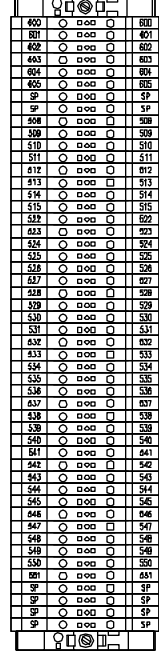
TB-1
AC TERMINALS



TB-2
DC TERMINALS

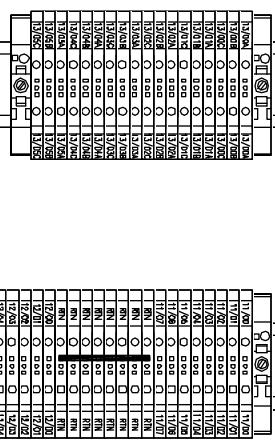


TB-8
EXTERNAL POWER



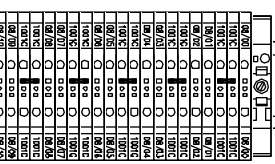
TB-9
MCC TERMINALS

TB-7
DIGITAL OUTPUTS



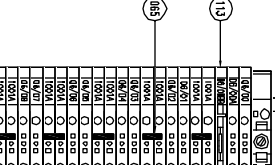
TB-5
ANALOG OUTPUTS

TB-4
RTD INPUTS



TB-3B
ANALOG INPUTS

TB-3A
ANALOG INPUTS



8 7 6 5 4 3 2

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DO NOT SCALE

UNLESS OTHERWISE SPECIFIED
TERMINALS PER ROW
NO. OF PINS
NO. OF ROWS
NO. OF PINS

DR. B. BURKHOLDER 01/23/08
CHK. J. COOK 04/09/08
APPD. R. OLIVER 04/08/08

TITLE
YPS - PLC CONTROL SYSTEM
PLC CONTROL PANEL ASSEMBLY &
WIRING DIAGRAM

SHEET DETAIL
TERMINALS & RELAYS

SIZE D CAGE CODE 645D1279
SCALE 1:1.5

REV C

PURCHASER SANDRIDGE ENERGY
1601 N.W. EXPRESSWAY SUITE 1600
OKLAHOMA CITY, OK 73118

YORK ORD NO 294100 PURCH ORD NO 27607-P-13-012JCI

NOTICE TO PURCHASER
REFER TO CONTRACT FOR MATERIAL
TO BE SUPPLIED BY JCI/YORK.
THE AMOUNT OF SUCH MATERIAL IS
NOT INCREASED BY ANYTHING
SHOWN UPON THIS DRAWING.

THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF
JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR
COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT
REFERENCED ON THIS DRAWING.

© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED

Johnson Controls **YORK Process Systems**

100 CV AVE.
P.O. BOX 997
WYNESBORO, PA 17268

THIS DRAWING CERTIFIED
FOR SANDRIDGE ENERGY
ORDER NO. 294100
YORK REFRIGERATION
Wyneshoro, PA

PER R. OLIVER DATE 5/4/09

ITEM	USER1	USER3	CATALOG	QTY	DESCRIPTION
001	484471	941A0025H03	941A0025H03	1	TUBING, SEAMLESS HYDRAULIC 1/2" X .035" WD
002	484575	944A0180H11	944A0180H11	4	CONNECTOR, S.S., 1/4" NPT TO 1/2" TUBE
003	485044	11100280988	11100280988	1	ENCLOSURE LIGHT FIXTURE W/ BULB
004	524351	29410075801	29410075801	1	ENCLOSURE 72" X 84" X 24"
005	484079	639A0218H02	8072914	1	VORTEX SS 4X ENCL. COOLER 1700BTU
006	484457	640A0059H01	640A0059H01	1	LABEL UL CLASS 1, DIVISION 2, HAZ-LDC
007	485045	11100280989	11100280989	1	PULL CHAIN FOR ENCLOSURE LIGHT FIXTURE
008	528164	29410075805	29410075805	3	NAMEPLATE AREA CLASSIFICATION
009	482778	911A0004H01	911A0004H01	1	1/2" SS CLOSE NIPPLE
010	482853	911A0088H01	911A0088H01	1	HUB CONNECTOR, 1/2" NPT
011	486013	649A1078H09	2711F-R012H	1	PV PLUS 1250 HI-BRIGHT DISPLAY, TOUCH ONLY
012	485685	944A0181H11	944A0181H11	1	ELBOW S.S., 3/8" NPT TO 1/2" TUBE
013	486014	649A1078H10	2711F-RP2	1	PV-1 1250 HI-BRIGHT LOGIC MODULE, 128MB, DC INPUT
014	485676	944A0180H12	944A0180H12	1	CONNECTOR, S.S., 3/8" NPT TO 1/2" TUBE
015	484090	639A0218H05	960-094-087	1	MOD 70 AIR PRESSURE REGULATOR
016	483680	944A0181H10	944A0181H10	1	ELBOW S.S., 1/4" NPT TO 1/2" TUBE
017	483905	639A0142H01	639A0142H01	1	NAMEPLATE JOHNSON CONTROLS YORK PROCESS SYSTEMS
018	535206	29410075817	29410075817	1	NAMEPLATE EMERGENCY STOP (PULL TO TRIP)
019	485453	649A0986H43	800T-X01	3	CONTACT BLOCK - 1 NO
020	485463	649A0986H63	800H-FRX16	1	PUSH BUTTON - MUSHROOM (PUSH, PULL)
021	485529	913A0129H02	RLV25H00KUPK1T20	1	20 FOOT HOOD UP KIT
022	528169	29410075807	29410075807	6	NAMEPLATE - 1" X 3"
023	485454	649A0986H44	800T-X02	1	CONTACT BLOCK - 1 NC
024	528256	913A0132H01	22LC/PM/IS	1	EXPO RUBBER LS SWITCH
025	485464	649A0986H66	800H-AR1	1	PUSH BUTTON (GREEN) - MOMENTARY, NEMA 4/4X
026	485466	649A0986H88	800H-AR6	1	PUSH BUTTON (RED) - MOMENTARY, NEMA 4/4X
027	484450	640A0015S01	640A0015S01	1	LABEL WARNING MULTIPLE LINE CIRCUITS
028	485455	649A0986H45	800T-XA	4	CONTACT BLOCK - 1 NO/1 NC
029	485467	649A0986H71	800H-HR2	1	SELECTOR SWITCH - 2 POSITION MAINTAINED, NEMA 4/4X/13
030	485467	649A0986H71	800H-HR2	1	SELECTOR SWITCH - 2 POSITION MAINTAINED, NEMA 4/4X/13
031	485449	649A0986H26	800T-N26A	1	AMBER LENS CAP
032	485471	649A0986H79	800H-PR16	2	RED LENS CAP
033	485450	649A0986H27	800T-N26R	1	PILOT LIGHT - STANDARD, ROUND OILTIGHT
034	528169	29410075818	29410075818	1	NAMEPLATE 1" X 3" (W/CHDOGS RESET)
035	535202	29410075816	29410075816	1	AB ILLUMINATED PUSHBUTTON
036	467128	3330001492	D-AH8001B	1	PANEL HEATER
037	485529	913A0129H02	RLV25H00KUPK1T2	1	KIT LEAKAGE COMPENSATION HOOD UP
038	485545	649A0986H216	PS-167-150W-5	2	HEAT SHRINK MARKER 18-12 AWG
039	485610	649A0954H21	GDA-5A	3	FUSE - CLASS GDA
040	485606	649A0954H17	GDA-2A	11	FUSE - CLASS GDA
041	485613	649A0954H24	GDA-10A	4	FUSE - CLASS GDA
042	467114	3330001456	164074	1	TERMINAL MARKER
043	467122	3330001486	33300001486	1	DOUBLE STICK TAPE
044	454979	11100280334	7Y-175-50	200	THE WIRE
045	476713	522M0295H01	522M0295H01	100	SCREW, #8-32 X 5/16 G
046	454990	11100280893	TC345A	100	THE WRAP BASE
047	467164	3330001583	1641	3	TUBING FLEX, SPLIT
048	484087	639A0220H20	1N4004	18	DIODE, RECTIFIER
049	484467	640B0018S02	640B0018S02	1	LABEL UL RATING ECS CHECKOUT W/O UI#
050	484448	640A0048S01	640A0048S01	1	LABEL CHECK OUT
051	524654	29410075802	29410075802	1	SUBPLATE 62" X 80"
052	483875	639A0188S37	639A0188S37	28	1" X 3" WIREWAY
053	528170	29410075808	29410075808	12	NAMEPLATE 1" X 3"
054	483876	639A0188S57	639A0188S57	28	2" X 3" WIREWAY
055	483848	639A0158H01	1492-MCEA115	2	15A, 1-POLE, 120VAC GFCP (30mA)
056	485590	649A0945S03	649A0945S03	4	LABEL 120 VOLTS
057	484527	649A0181H01	649A0181H01	10	LABEL COPPER CONDUCTORS ONLY
058	484039	639A0205H08	EP9AD442	8	POWER DISTRIBUTION BLOCK DIN RAIL MOUNTABLE ENCLOSED
059	526272	29410075812	29410075812	1	BENTLY NEWA 3500 SYSTEM
060	467259	3330001878	0514500000	24	DINRAIL
061	467022	3330001187	1051200000	24	END BRACKET - VIEW 35/2
062	467018	3330001183	1020000000	423	TERM BLK WDU 2.5 200
063	467019	3330001184	1020100000	18	TERM BLK WDU 4 240
064	483923	639A0175H14	175220000	1	TERMINAL JUMPER .4PL.6MM.#1762620000
065	483912	639A0175H02	1853800000	63	TERMINAL JUMPER .2PL.5MM.#1693800000
067	483913	639A0175H03	1853810000	2	TERMINAL JUMPER .3PL.5MM.#1693810000
068	484048	639A0206H06	QL18KM06	2	CIRCUIT BRK, 10A, WD #9926251006
069	484050	639A0206H10	QL18KM10	4	CIRCUIT BRK, 10A, WD #9926251010
070	483849	639A0158H20	1492-AMCDN1	2	DIN RAIL MOUNTING ADAPTER #1492-AMCDN1
071	484047	639A0206H05	QL18KM05	1	CIRCUIT BRK, 5A, WD #9926251005

ITEM	USER1	USER3	CATALOG	QTY	DESCRIPTION
072	484053	639A0206H15	QL18KM15	4	CIRCUIT BRK, 15A, WD #9926251015
073	484056	639A0206H25	QL18KM25	2	CIRCUIT BRK, 25A, WD #9926251025
074	484055	639A0206H20	QL18KM20	1	CIRCUIT BRK, 20A, WD #9926251020
075	485888	649A1025H65	38T10 26-18H40	3	25A CONTACTOR - 24VDC COIL
076	484454	640A0056S02	640A0056S01	1	LABEL WEID 4
077	484453	640A0056S01	640A0056S01	9	LABEL WEID 2.5
078	484446	640A0045S01	640A0045S01	5	LABEL EARTH GROUND SYMBOL
079	535203	639A0220H16	EC08H10	2	GROUND BAR 10 HOLE
080	535204	639A0220H17	EC08H2	2	NEUTRAL LUG KIT
081	483993	649A1036H22	9086-XL240DR	4	POWER SUPPLY (+24VDC @ 10A) #1606-XL240DR
082	484083	639A0219H03	SPR2/HLPRC/2PRC/ULC-A0	2	SPR2 MODULE DC
083	535201	29410075815	29410075815	1	GUARDMASTER SAFETY RELAY #MSR1780P
084	485347	649A0280C01	649A0280C01	5	LABEL 24 VOLTS
085	466843	3330000118	085	3	GROUND BAR 5 HOLE
086	483909	639A0173H02	120VAC_RECEFTACLE	1	120VAC DUPLEX RECEFTACLE
087	467194	3330001671	1011000000	22	FUSE TERMINAL - WSI 6
088	483918	639A0175H08	1693860000	4	TERMINAL JUMPER .9PL.5MM.#1693860000
089	484134	639A0227G01	639A0227G01	15	LABEL CR
090	466849	3330000207	SH3B-05C	6	RELAY SOCKET, 3PDT
091	466887	3330000520	RH3B-ULC-24VDC	4	REL 3PDT 10AMP #RH3B-ULC-24VDC
092	466846	3330000195	SH2B-05C	9	RELAY SOCKET, DPDT
093	466986	3330000195	RH2B-ULC-24VDC	12	REL 3PDT 10AMP #RH2B-ULC-24VDC
094	483917	639A0175H07	1693860000	2	TERMINAL JUMPER .7PL.5MM.#1693860000
095	466847	3330000196	SFA-101	30	SPRINGS LEAF HOLD DOWN
096	466939	649A1049H03	1756-A10	2	1756 CONTROL LOGX RACK I/O, 10 SLOT CHASSIS
097	485944	649A1049H16	1756-PS2A	2	1756 CONTROL LOGX REDUNDANT P5 ADAPTER
098	485947	649A1049H27	1756-L61	1	A-B 1756-L61, LOGX 5661 Proc. 2MB Mem. & Compact Flash Socket
099	485949	649A1049H30	1756-ENBT	3	A-B 1756-ENBT, C.L. ETHERNET ADAPTER
100	485955	649A1049H39	MMS6-MNETR	1	MODBUS ETHERNET ADAPTER
101	466971	649A1049H93	1756-N2	3	1756 CONTROL LOGX RACK I/O, CARD SLOT FILLER
102	485970	649A1049H89	1756-TBCH	4	1756 CONTROL LOGX 36PT REMOVABLE TERMINAL BLOCK
103	485963	649A1049H72	1756-FTF6	4	A-B 1756-FTF6, C.L. 16PT AI. CARD
104	485966	649A1049H78	1756-078	2	A-B 1756-078, C.L. 8PT ANALOG OUTPUT CARD
105	485969	649A1049H88	1756-TBHN	8	1756 CONTROL LOGX 20PT REMOVABLE TERMINAL BLOCK
106	485964	649A1049H73	1756-IR61	1	A-B 1756-IR61, C.L. 8PT RTD INPUT CARD
107	485957	649A1049H46	1756-IR16	3	A-B 1756-IR16, C.L. (10-31VDC) 16PT DIGITAL INPUT CARD
108	485960	649A1049H60	1756-0816E	1	A-B 1756-0816E, C.L. 24VDC 16PT DIGITAL OUTPUT CARD
109	485960	649A1049H60	1756-0816E	1	A-B 1756-0816E, C.L. 24VDC 16PT DIGITAL OUTPUT CARD
110	485945	649A1049H17	1756-CPR	4	1756 CONTROL LOGX REDUNDANT POWER SUPPLY CABLE
111	485943	649A1049H14	1756-PA75R	4	A-B 1756-PA75R, C.L. 85-265VAC PS (30/134/95W Input)
112	483877	639A0188S77	639A0188S77	2	TERMINAL - WIR 2.5 W/220 OHM RESISTOR
113	483931	639A0177G28	WK2560U	7	TERMINAL - WIR 2.5 W/220 OHM RESISTOR
114	524555	29410075804	29410075804	3	FEEDER OPTIC MODULE
115	526289	29410075809	SHP-01P	1	FEEDER OPTIC PATCH PANEL
116	483920	639A0175H10	1693860000	1	TERMINAL JUMPER .10PL.5MM.#1693860000
117	526271	29410075811	29410075811	1	MRII MOUNTING BRACKET
118	526268	29410075803	29410075803	1	MRII DIGITAL FEEDER RELAY
119	483914	639A0175H04	1693820000	1	TERMINAL JUMPER .4PL.5MM.#1693820000
120	506005	639A0220H01	34890000000	1	BUSBAR 10MM X 3MM X 1W
121	506006	639A0220H02	28986000000	2	BUSBAR SUPPORT BLOCK
122	484084	639A0220H03	1261300000	69	BUSBAR CLAMPING Yoke
123	485291	649A0214H34	649A0214H34	3	7FT. CAT5 E MOULDED PATCH CABLE, BLUE (#EED0-0807-MBI)
124	485292	649A0214H35	649A0214H35	3	14FT. CAT5 E MOULDED PATCH CABLE, BLUE (#EED0-C814-MBI)
125	483922	639A0175H13	17562630000	1	TERMINAL JUMPER .3PL.6MM.#17562630000
126	483921	639A0175H12	17562630000	1	TERMINAL JUMPER .2PL.6MM.#17562630000

THIS DRAWING CERTIFIED
FOR SANDRIDGE ENERGY
ORDER NO. 294100
YORK REFRIGERATION
Wynnebboro, PA

PER ROUTER DATE 5/4/09

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DO NOT SCALE

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DO NOT SCALE

DR. D. BURKHOLDER 01/25/08
CHK. J. COOK 04/08/09
APPD. R. OLIVER 04/08/09

YPS - PLC CONTROL SYSTEM
PLC CONTROL PANEL ASSEMBLY &
WIRING DIAGRAM

BILL OF MATERIALS

PURCHASER: SANDRIDGE ENERGY
1601 N.W. EXPRESSWAY SUITE 1600
OKLAHOMA CITY, OK 73118
YORK ORD NO 294100 PURCH ORD NO 27607-P-13-012JCI

NOTICE TO PURCHASER
REFER TO CONTRACT FOR MATERIAL
TO BE SUPPLIED BY JCI/YORK.
THE AMOUNT OF SUCH MATERIAL IS
NOT INCREASED BY ANYTHING
SHOWN UPON THIS DRAWING.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DO NOT SCALE

DR. D. BURKHOLDER 01/25/08
CHK. J. COOK 04/08/09
APPD. R. OLIVER 04/08/09

SCALE: **D** CASE CODE: **23587** DWG NO: **645D1279** REV: **C**



SHEET 38 OF 40

THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF
JOHNSON CONTROLS/YORK COMPANY, IT MAY NOT BE USED, NOR
COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT
REFERENCED ON THIS DRAWING.

© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED

100 CV AVE
PO BOX 381
Wynnebboro, PA 17268

JOB SPECIFIC NOTES:

- 1.) AREA CLASSIFICATION: OUTDOOR, CLASS I GROUP C&D, DIV 2
- 2.) REFERENCE DRAWINGS:
ELECTRICAL DIAGRAM LEGEND :640DD0088
GEAR PROXIMATOR JUNCTION BOX :648D2384
COMPRESSOR PROXIMATOR JUNCTION BOX :648D2383
PLC CONTROL PANEL LAYOUT & WIRING DIAGRAM :645D1279
P & ID COMPRESSOR LUBE OIL: 659D2146
GENERAL ARRANGEMENT, COMPRESSOR LUBE OIL MODULE: 569D2560
P & ID GEAR/MOTOR LUBE OIL: 659D2147
GENERAL ARRANGEMENT, GEAR/MOTOR LUBE OIL MODULE: 569D2561
P & ID REFRIGERANT OIL COOLERS: 659D2148
GENERAL ARRANGEMENT, COMPRESSOR DRIVELINE: 569D2540
P & ID R-134A REFRIGERATION SYSTEM: 659D2149
PNEUMATIC/ELECTRICAL DIAGRAM: 669D0124
LOGIC DIAGRAM: 669D0127
- 3.) CONTROL POWER:120V/1PH/60HZ.
HEATER POWER:120V/1PH/60HZ.
- 4.) NO THREE PHASE WIRING SHALL ENTER OR LEAVE THE JCI/YPS CONTROL PANEL OR BE RUN IN THE SAME CONDUIT AS ANY CONTROL WIRING ENTERING OR LEAVING THE JCI/YPS CONTROL PANEL.
- 5.) NO SINGLE PHASE OVER 300 VOLTS SHALL ENTER OR LEAVE THE JCI/YPS SUPPLIED CONTROL PANEL.
- 6.) CONTROL WIRING TO BE #14 AWG STRANDED WIRE UNLESS SPECIFIED OTHERWISE. TYPE: THHN-THWN 600V
24VDC DEVICE COLOR WIRING
POSITIVE (+) - BLUE (BLU)
NEGATIVE (-) - BLACK (BLK)
ALL HEATER (POWER) WIRING TO BE #12 AWG STRANDED WIRE UNLESS SPECIFIED OTHERWISE SIZED PER LOAD REQUIREMENTS. TYPE: THHN -THWN 600V
POWER (H) - BLACK (BLK)
NEUTRAL (N) - WHITE (WHT)
ALL CT'S TO BE WIRED WITH 10 AWG BLACK (BLK) TYPE: THHN -THWN 600V
- 7.) ALL NEUTRAL WIRING TO BE WHITE STRANDED WIRE UNLESS SPECIFIED OTHERWISE.
- 8.) ASSEMBLE AND WIRE UNIT IN ACCORDANCE WITH ELECTRICAL FABRICATION NOTE DRAWING: 649A0246
- 9.) A SURGE SUPPRESSOR OR MOV TO BE INSTALLED ACROSS ALL INDUCTIVE LOADS IN CONTROL CENTER.
 SURGE SUPPRESSOR
SUPPRESSOR SPECIFICATIONS:
RC NETWORK CONSISTING OF A .1 MFD CAPACITOR, 600 VDC IN SERIES WITH A 47 OHM RESISTOR.
USE ELECTROCUBE #RG2031-3-6 OR EQUAL.
 VARISTOR
METAL OXIDE VARISTOR (MOV) SPECIFICATIONS:
GE #V130LA10A OR EQUAL FOR 110 VOLTS

- 10.) SPECIAL NOTES FOR PROJECT:
- 10.1) TERMINAL SYMBOL DESIGNATIONS:
 PLC/MOTOR STARTER INTERFACE
 TERMINALS IN GEAR PROXIMATOR BOX
 TERMINALS IN COMPRESSOR PROXIMATOR BOX
 PLC CONTROL PANEL
- 10.2) STANDARD FLOOR STOCK RIGID GALVANIZED CONDUIT, MINIMUM SIZE IS 1/2"
- 10.3) ALL DEVICES AND / OR ENCLOSURES REQUIRING SEAL FITTINGS WILL BE INSTALLED WITHIN 18 INCHES. ALL SEALS AND FITTINGS BETWEEN THE SEAL AND THE DEVICE WILL BE RATED FOR THE REQUIRED AREA CLASSIFICATION. ALL SEALS ARE TO BE GROUSE HINDS STEEL EYS SERIES, AND TO BE POURED AFTER UNIT HAS BEEN INSTALLED AND ALL WIRING HAS BEEN VERIFIED.
- 10.4) JCI/YPS PANEL/ENCLOSURE WIRING
 --- WIRING BY OTHERS
 --- JCI/YPS SKID WIRING
- 10.5) THE USE OF FLEX CONDUIT SHALL BE KEPT TO A MINIMUM AND SHALL BE USED ONLY ON DEVICES WHERE VIBRATION MAY OCCUR, TWO FOOT MAXIMUM LENGTHS AT DEVICE ONLY, ALL FLEX CONDUIT TO HAVE EXTERNAL GREEN 14AWG WIRE INSTALL.
- 10.6) CABLE TRAY FOR PROXIMATOR CABLES TO BE GROUNDED TO BASE WITH #14 AWG GREEN WIRE.
- 10.7) COMPRESSOR AND GEAR BOX ARMOR SHIELDED PROXIMATOR CABLES TO BE IN DEDICATED CABLE TRAY. SUPPORT AS NEEDED PRIOR TO ENTERING CABLE TRAY.
- 10.8) TAG NUMBERS SHOWN ARE FOR ITEM 1000, LETTER "A" IN TAG NUMBER SHALL BE SEQUENCED "B" THRU "F" FOR ITEMS 2000 THRU 6000.
- 10.9) ALL SKID MOUNTED 24VDC DEVICES THAT HAVE PIGTAILS WILL BE CONNECTED LOCALLY AT THE DEVICE USING A MALLEABLE IRON "GR" SERIES CONDUIT BOX WITH TERMINALS (APPLETON) WITH MALLEABLE IRON COVER AND NEOPRENE O-RINGS
- 10.10) ALL CONDUIT IS GALVANIZED RIGID STEEL (1/2 INCH MIN), ALL CONDUIT FITTINGS TO BE GROUSE HINDS FORM 7 FERALOY IRON WITH FERALOY COVERS AND NEOPRENE GASKETS OR APPROVED EQUIVALENT.
- 10.11) ALL SKID MOUNTED AC DEVICES WILL BE CONNECTED LOCALLY AT THE DEVICE USING CRIMP ON RING TYPE CONNECTORS.
- 10.12) ALL SKID MOUNTED INSTRUMENTS TO BE CONNECTED WITH FORK CRIMP ON CONNECTORS.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE		TITLE YPS - PLC CONTROL SYSTEM PLC CONTROL PANEL ASSEMBLY & WIRING DIAGRAM		THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY, IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING. © COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED	
UNLESS OTHERWISE SPECIFIED DIMENSIONS PER CH 14		SHEET DETAIL PROJECT NOTES		NOTICE TO PURCHASER REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JOHNSON CONTROLS/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.	
DR D. BLANKHOLDER	01/25/08	PURCHASER	SANDRIDGE ENERGY 1601 N.W. EXPRESSWAY SUITE 1600 OKLAHOMA CITY, OK 73118		
CHK J. COOK	04/08/09	SIZE	CAGE CODE	DWG NO	REV
APPD R. OLIVER	04/08/09	SCALE	23587	645D1279	C
YORK REFRIGERATION Wyneshoro, PA		YORK ORD NO 294100		PURCH ORD NO 27607-P-13-012JCI	

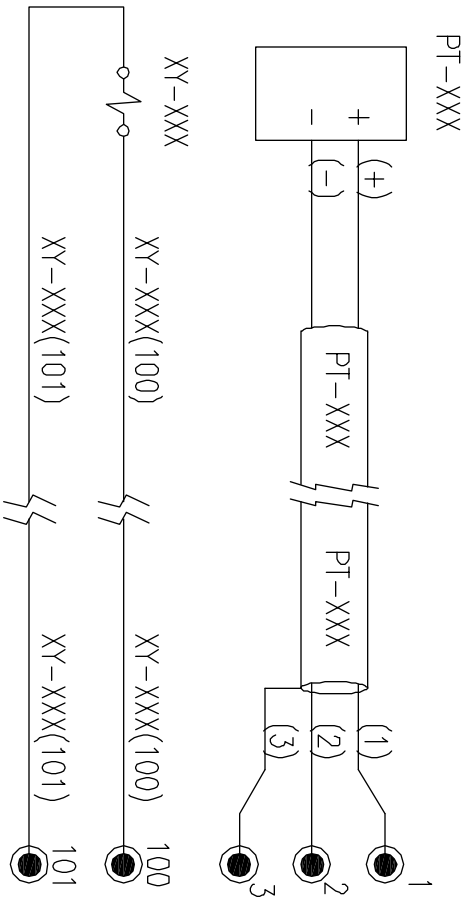
10.13) STANDARD HOT DIPPED GALVANIZED UNISTRUT WELDED TO THE BASE FOR ALL CONDUIT SUPPORTS, WITH STANDARD ELECTROPLATED CONDUIT CLAMPS. ALL CONDUIT, CONDUIT FITTINGS, AND CLAMPS (EXCEPT FLEX) TO BE PAINTED.

10.14) A CONDUIT UNION WILL BE INSTALLED AT THE DEVICE AND INSTRUMENT PRIOR TO THE CONDUIT OR FLEX CONNECTION.

10.15) FERRULES WILL BE INSTALLED ON ALL FIELD WIRING/ CABLE IN THE ENCLOSURE AND LOCAL GR BOXES ONLY.

10.16) HEAT SHRINK WIRE MARKERS TO BE INSTALLED ON ALL WIRING TO INCLUDE ORIGIN / TAG # / DESTINATION WITH THE ORIGIN NEXT TO THE TERMINAL NUMBER.

EXAMPLE:



10.17) ALL SKID CABLES TO BE 18AWG / PAIR / TRI - 300 VOLT

4-20mA

POSITIVE (+) - BLACK (BLK)

NEGATIVE (-) - WHITE (WHT)

RTD

SIGNAL - RED (RED)

RTN - BLACK (BLK)

RTN - WHITE (WHITE)

BENTLEY NEVADA PROXIMITORS

VT (PWR) - RED (RED)

COMMON (COM) - BLACK (BLK)

OUT (SIG) - WHITE (WHT)

SHIELD (SHLD) MUST BE INDIVIDUALLY CONNECTED AT B/N 3500 MONITOR

THIS DRAWING AND THE SUBJECT MATTER IT CONTAINS, ARE PROPERTY OF JOHNSON CONTROLS/YORK COMPANY. IT MAY NOT BE USED, NOR COPIED FOR DISTRIBUTION, BEYOND THE REQUIREMENTS OF THE PROJECT REFERENCED ON THIS DRAWING.

© COPYRIGHT 01/23/09 JCI/YORK, ALL RIGHTS RESERVED



NOTICE TO PURCHASER
REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY JCI/YORK. THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN UPON THIS DRAWING.

PURCHASER SANDRIDGE ENERGY
1601 N.W. EXPRESSWAY SUITE 1600
OKLAHOMA CITY, OK 73118
YORK ORD NO 294100 PURCH ORD NO 27607-P-13-012JCI

TITLE
YPS - PLC CONTROL SYSTEM
PLC CONTROL PANEL ASSEMBLY &
WIRING DIAGRAM

SHEET DETAIL
PROJECT NOTES

SIZE D CASE CODE 23587 DWG NO 645D1279 REV C
SCALE SHEET 40 OF 40

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE			
DR D. BLANKHOLTER	01/25/08	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE	
CHK J. COOK	04/08/09	REV	DATE
APPD R. OLIVER	04/08/09	REV	DATE
CODE		REV	DATE

THIS DRAWING CERTIFIED FOR SANDRIDGE ENERGY ORDER NO. 294100 YORK REFRIGERATION Weyersboro, PA PER ROLANDER DATE 5/4/09