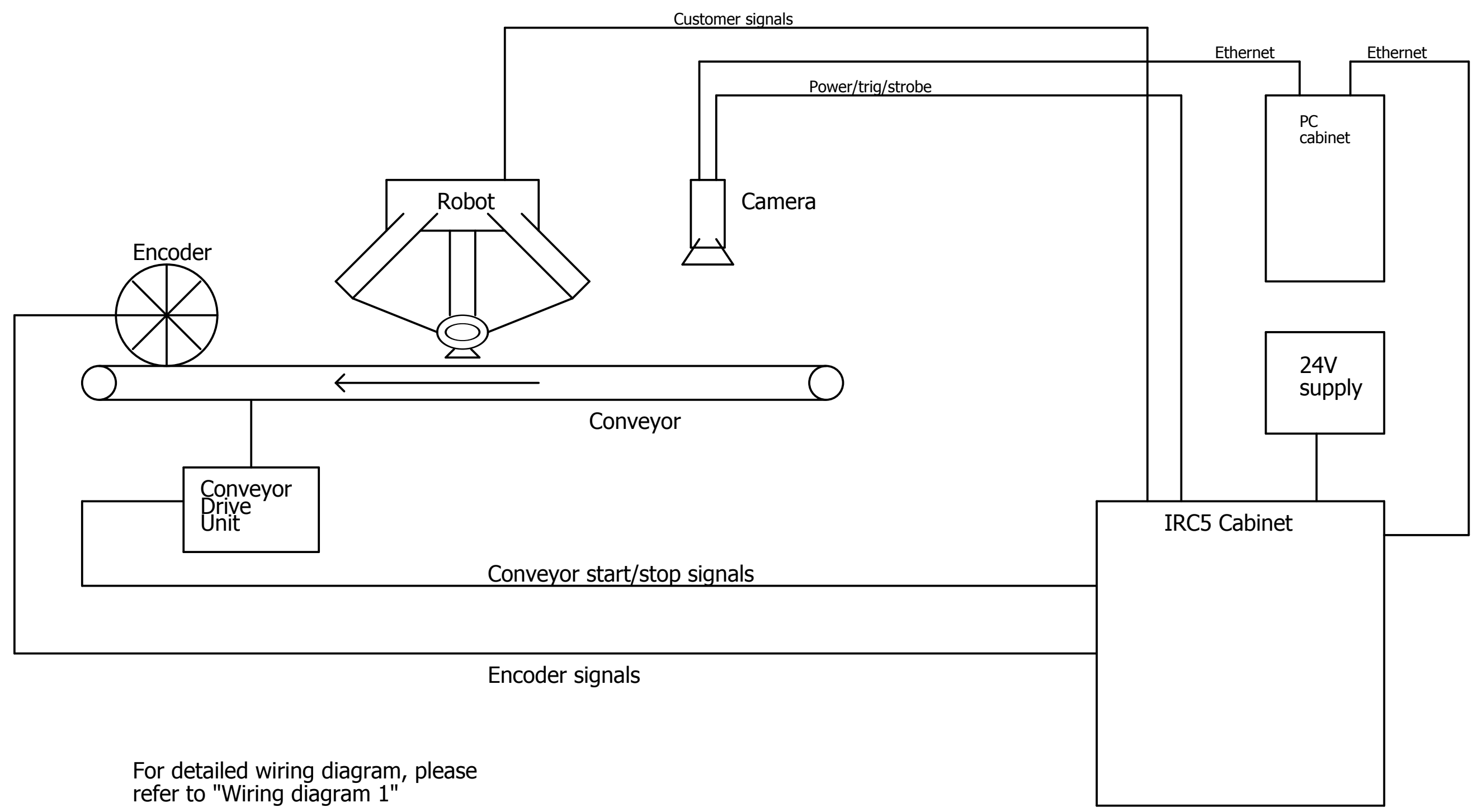
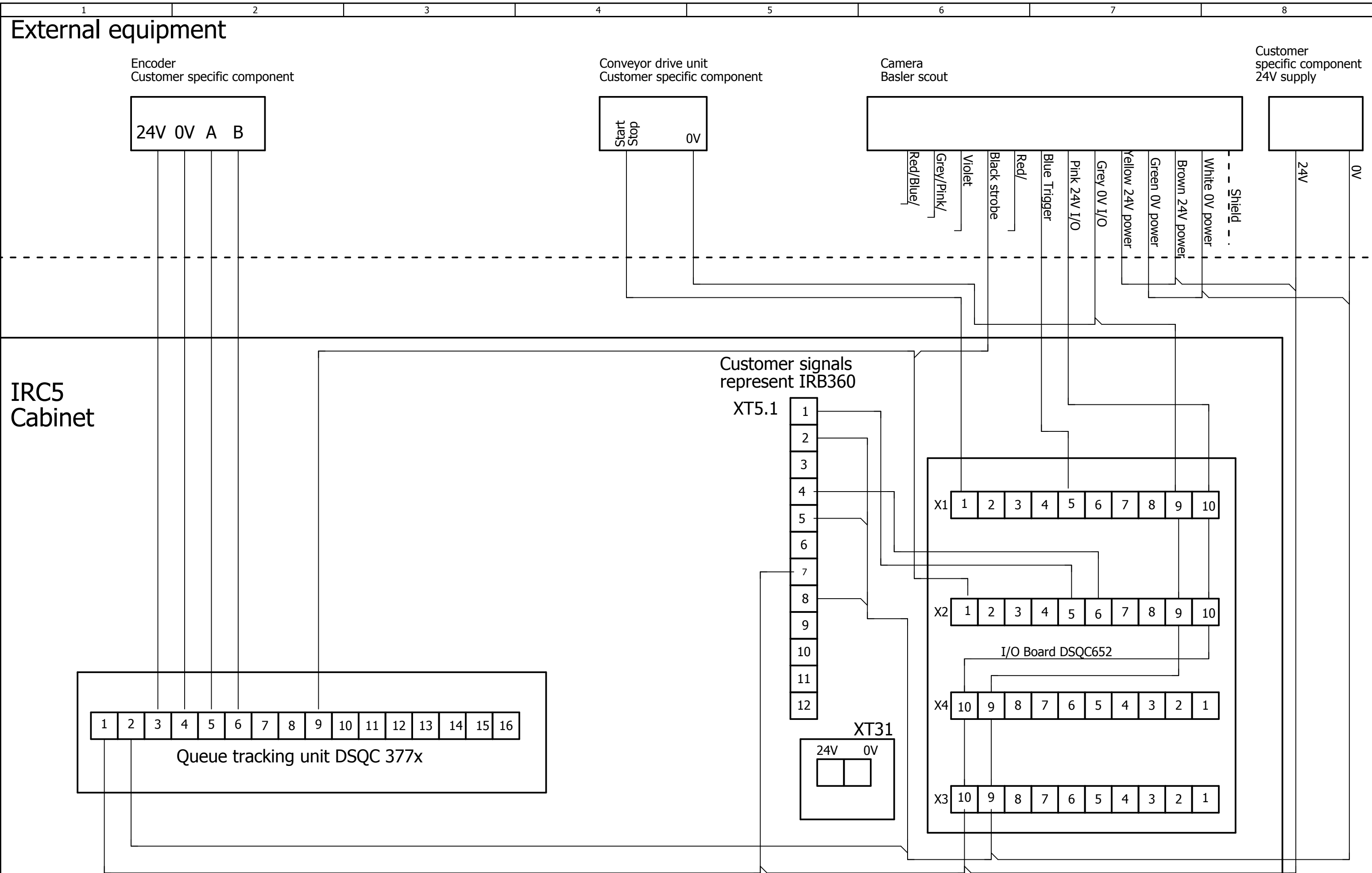


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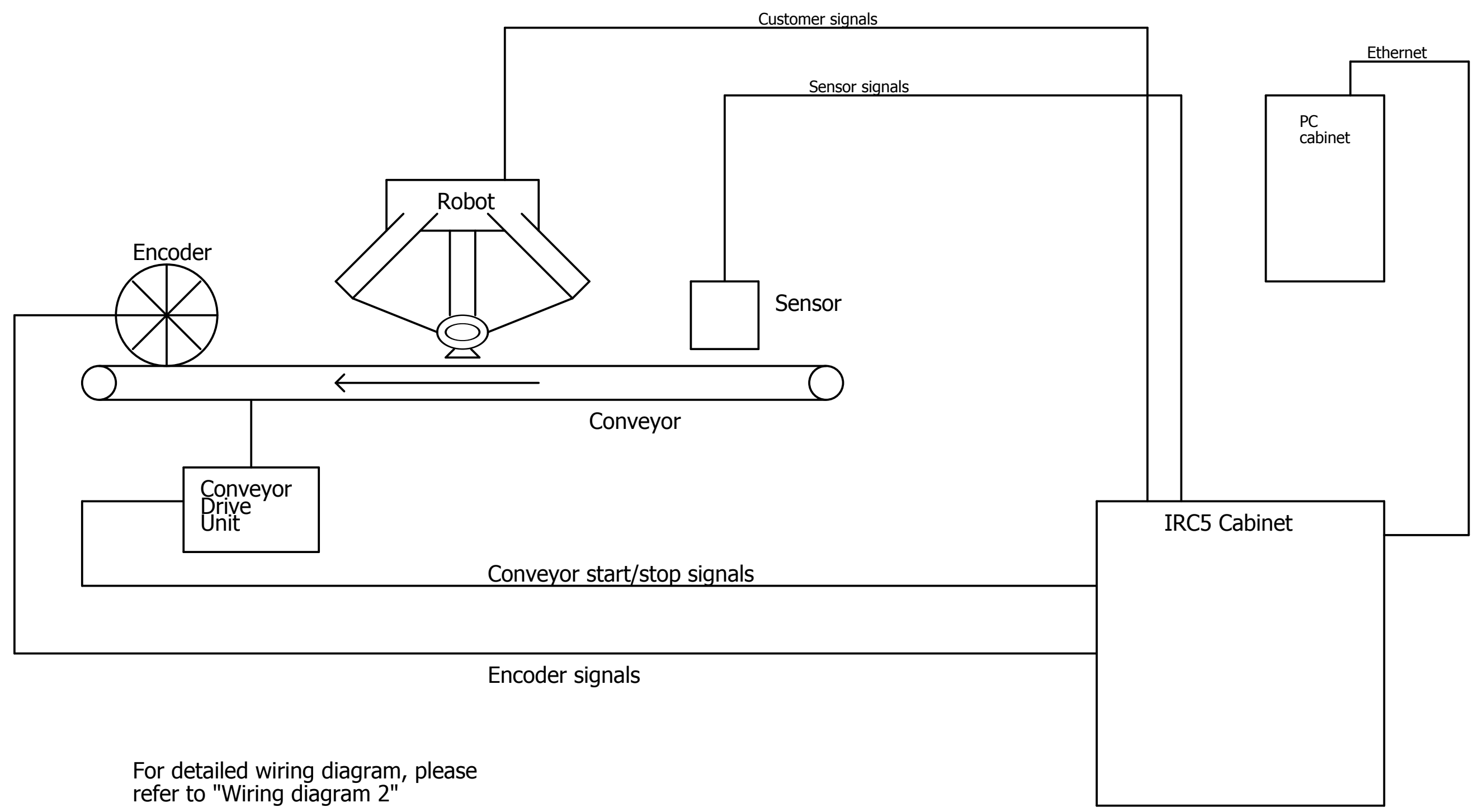


For detailed wiring diagram, please refer to "Wiring diagram 1"

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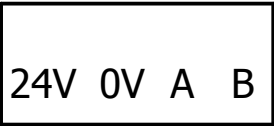


For detailed wiring diagram, please refer to "Wiring diagram 2"

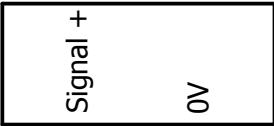
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External equipment

Encoder
Customer specific component



Sensor, e.g, photo cell



Customer specific component
Conveyor drive unit



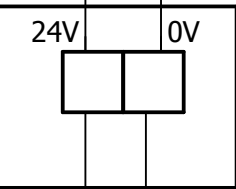
IRC5
Cabinet

Customer signals
represent IRB360

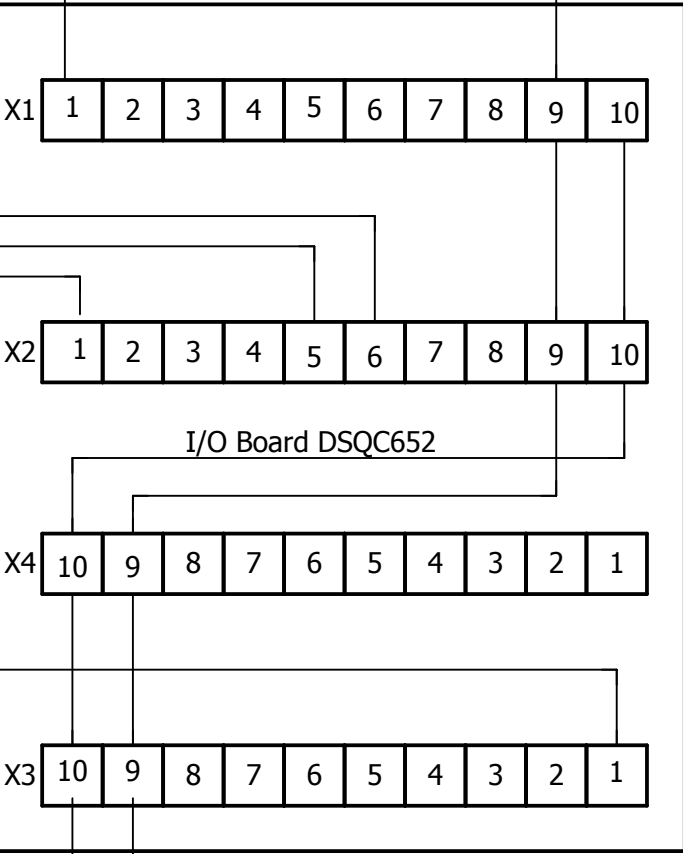
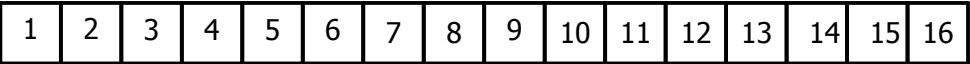
XT5.1



XT31



Queue tracking unit DSQC 377x



Latest revision:

Prepared by, date:

Approved by, date:



Lab/Office:
DMRO SE/

Wiring diagram 2
1 Robot, 1 Conveyor, 1 Sensor

Status:

APPROVED

Document no.

3HAC024480-008

2010-12-16

Plant:

Location: +
Sublocation: +

Rev. Ind

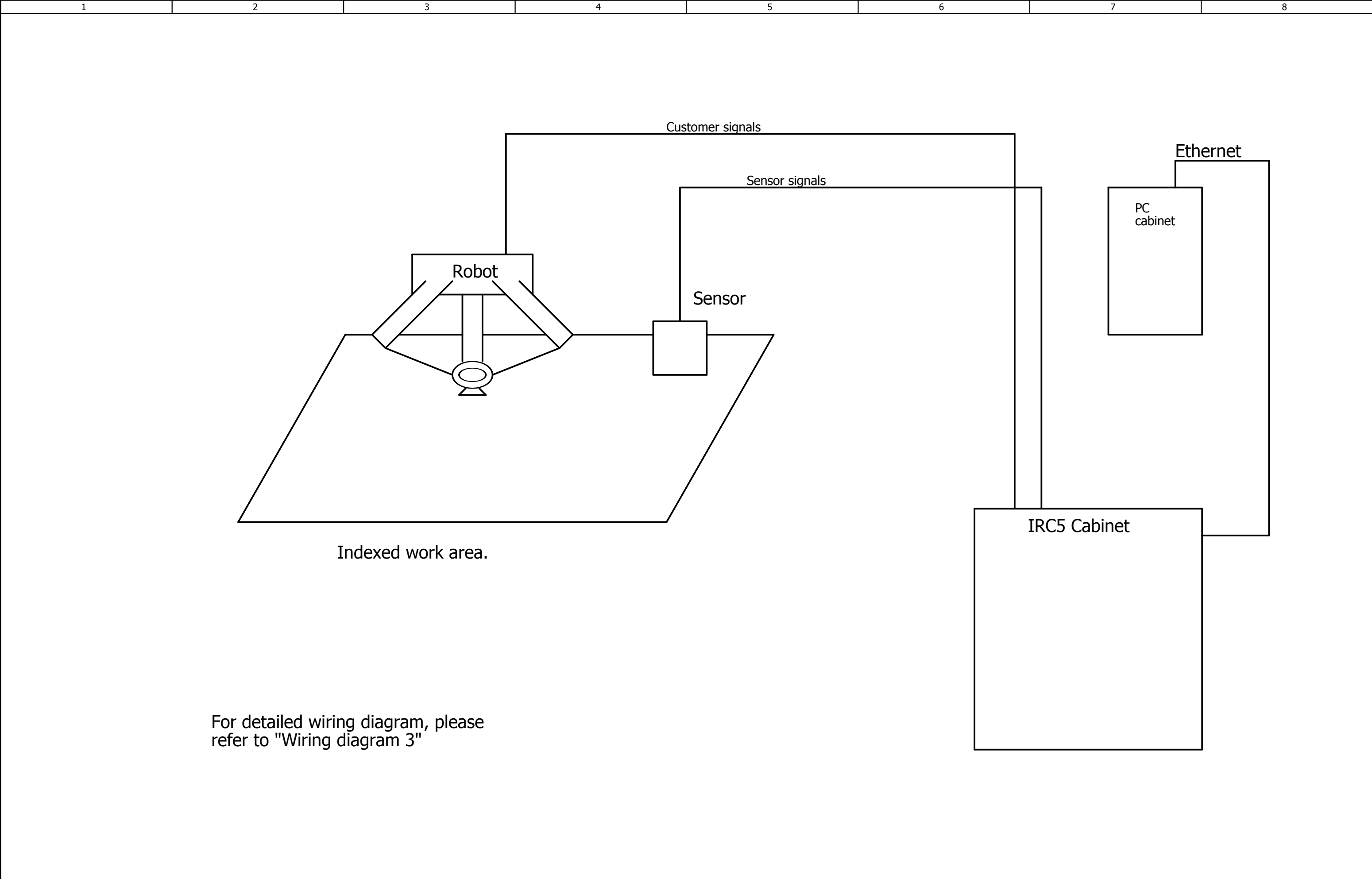
02

Page 4


Next 5

Total

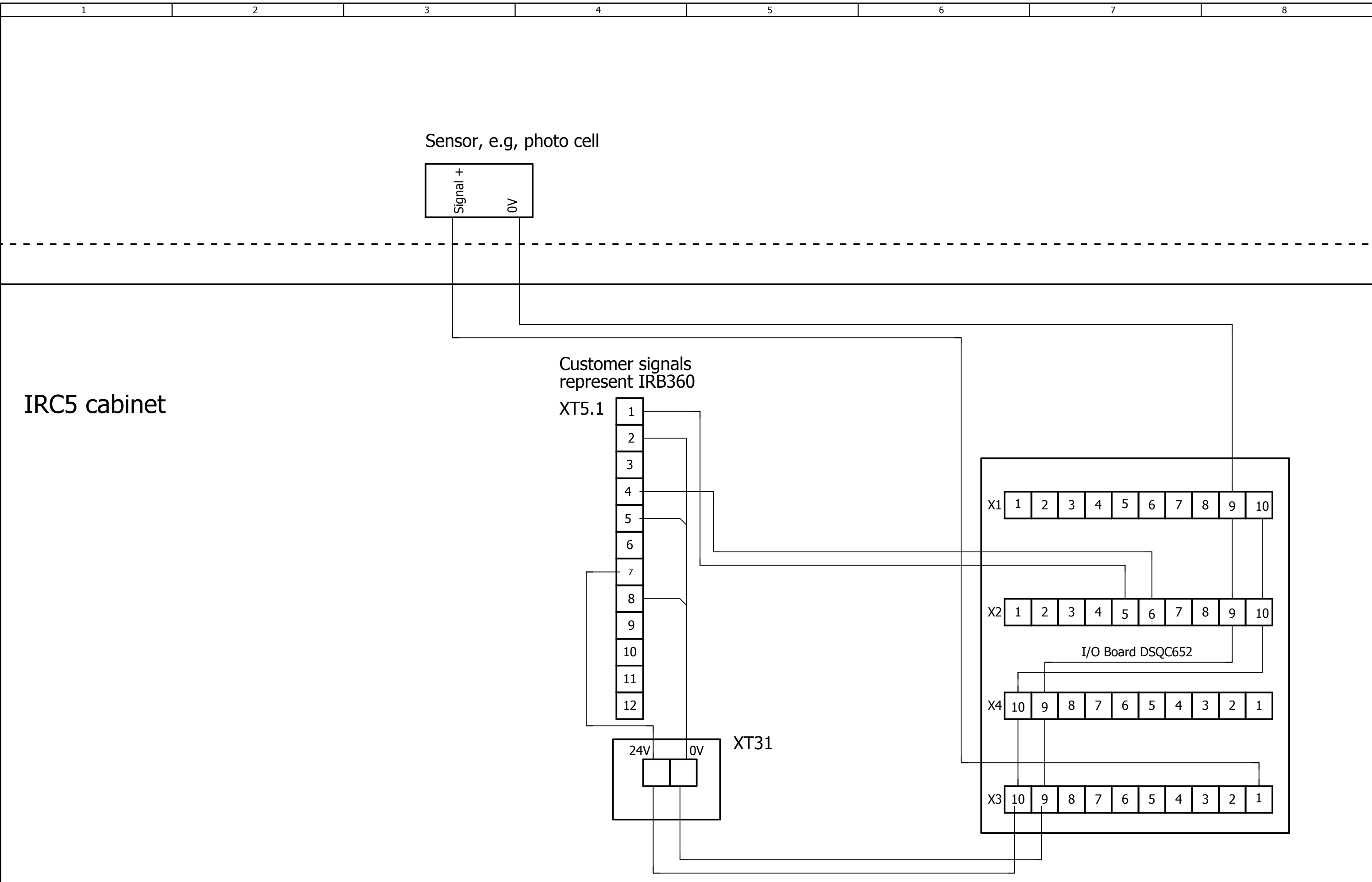
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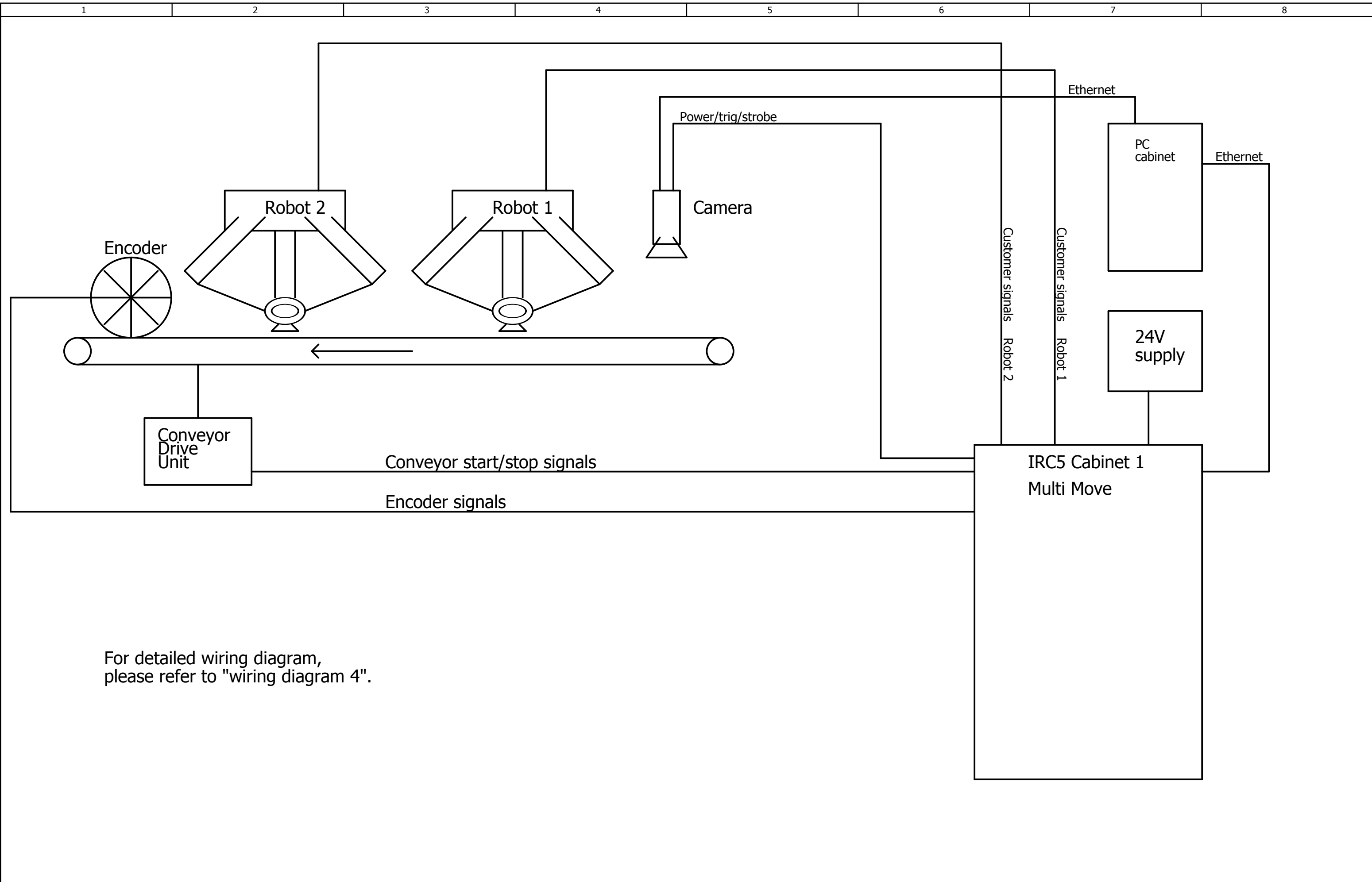
For detailed wiring diagram, please refer to "Wiring diagram 3"

Latest revision:				Lab/Office: DMRO SE/	Block diagram 3 1 Robot, 1 Sensor, No conveyor tracking	Status: 2010-12-16 APPROVED		Plant: = Location: + Sublocation: +	
						Document no. 3HAC024480-008		Rev. Ind 02	Page 5 Next 6 Total
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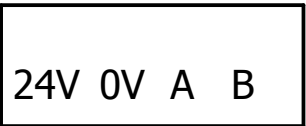


For detailed wiring diagram,
please refer to "wiring diagram 4".

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External equipment

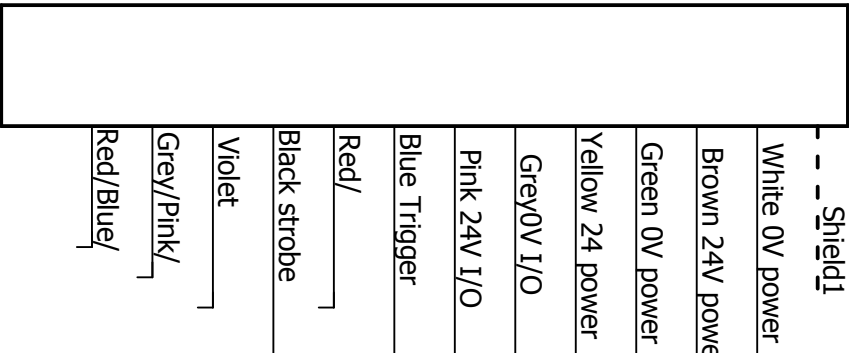
Encoder
Customer specific component



Conveyor drive unit
Customer specific component



Camera
Basler scout

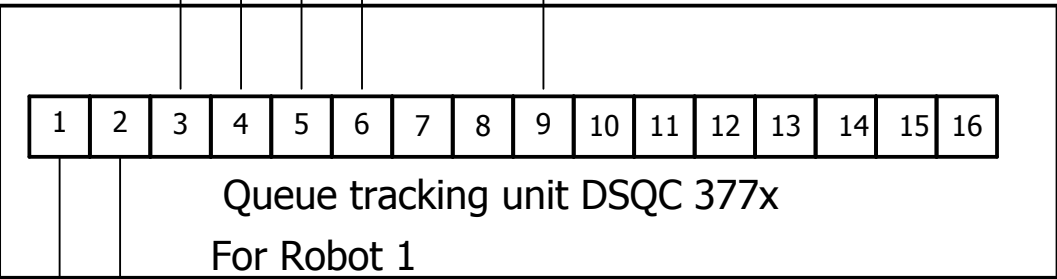


Customer specific component
24V supply

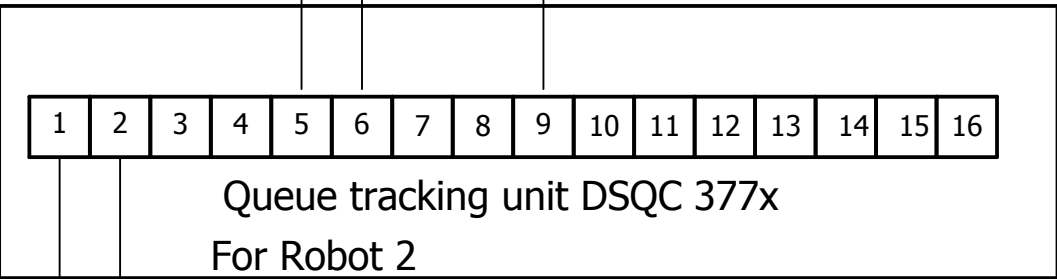


IRC5
Cabinet

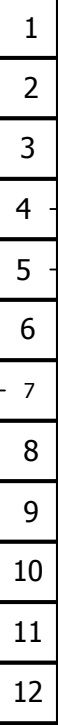
Signal diode
Nominal current 150mA
Reverse voltage 50V



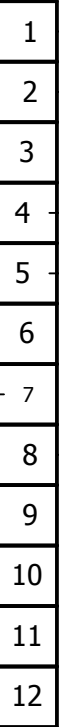
Signal diode
Nominal current 150mA
Reverse voltage 50V



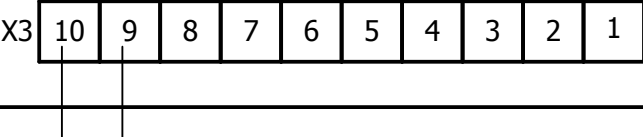
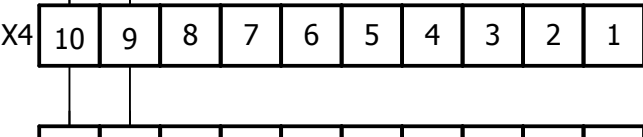
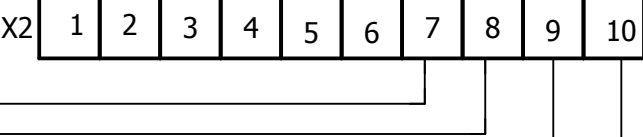
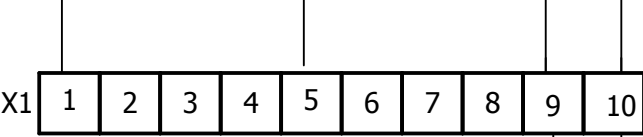
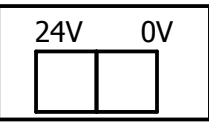
Customer signals
represent IRB360
XT5.1



Customer signals
represent IRB360
XT5.2



XT31



Latest revision:

Prepared by, date: Approved by, date:



Lab/Office:
DMRO SE/

Wiring diagram 4
2 Robots, 1 Conveyor, 1 Camera
Multi move controller
E.g ATC and Load balancing

Status: 2010-12-16
APPROVED


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Location: +
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Document no. 3HAC024480-008

Rev. Ind 02

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Next 9
Total

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1	2	3	4	5	6	7	8	
Unit mapping of predefined I/O signals DSQC652								
do Start Cnv 1	X1:1		di 1-1	X3:1				
do Start Cnv 2	X1:2		di 2-1	X3:2				
do Start Cnv 3	X1:3		di 3-1	X3:3				
do Start Cnv 4	X1:4		di 4-1	X3:4				
do Trig Vis 1	X1:5		di 5-1	X3:5				
do Trig Vis 2	X1:6		di 6-1	X3:6				
do Trig Vis 3	X1:7		di 7-1	X3:7				
do Trig Vis 4	X1:8		di 8-1	X3:8				
0V	X1:9		0V	X3:9				
24V	X1:10		24V	X3:10				
do Man Sync 1	X2:1		di 9-1	X4:1				
do Man Sync 2	X2:2		di 10-1	X4:2				
do Man Sync 3	X2:3		di 11-1	X4:3				
do Man Sync 4	X2:4		di 12-1	X4:4				
do Vacuum 1	X2:5		di 13-1	X4:5				
do Blow 1	X2:6		di 14-1	X4:6				
do Vacuum 2	X2:7		di 15-1	X4:7				
do Blow 2	X2:8		di 16-1	X4:8				
0V	X2:9		0V	X4:9				
24V	X2:10		24V	X4:10				
Latest revision:			Lab/Office: DMRO SE/	Unit mapping of predefined I/O signals		Status: 2010-12-16		Plant: =
						APPROVED		Location: +
								Sublocation: +
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					3HAC024480-008		02	Next 10
								Total

24V (in)	1
0V (in)	2
24V (out)	3
0V (out)	4
A (in)	5
B (in)	6
Start signal (in)	9

Vacuum (out)	1
0V	2
Blow (out)	4
0V	5
24V	7
0V	8
Vacuum sensor (in)	9