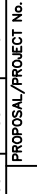


STANDARD INDUCTION I/O CONTROL PANEL

TITLE: STANDARD INDUCTION I/O CONTROL PANEL						REVISION NO 8		NEXT PAGE 001			
						PAGE 000					
TITLE PAGE						REV#		REV BY		DATE	
						5		DLS		06.08.2015	
REV - S O N S						4		DLS		05.12.2015	
						3		DLS		4.7.2015	
						2		DLS		6.11.2014	
						1		DLS		4.25.2014	
PANEL VENDOR AS-BUILTS ECO # DWG20302						△		△			
UPDATED WIRE NUMBERS & BOM ECO # DWG20022						△		△			
ADDED OPTIONAL E-STOP STACK LAMP & HORN ECO # DWG19623						8		ONH		03.30.2017	
UPDATED BECKHOFF OUTPUT TERMINAL & J14105 ECO # DWG25460						7		DLS		06.16.2016	
UPDATED E-STOP REFERENCES & TERMINAL BLOCK						6		DLS		07.24.2015	
REVISED DESCRIPTION						REV#		REV BY		DATE	
PROJECT REFERENCES						422D611					
DRAWN BY: DLS						SCALE 0		CHECKED BY: JFM		DATE 11.8.2013	
INSTALLATION LOCATION						PAGE 000		PROPOSAL/PROJECT No.		DATE 10.30.2013	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGRATED INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF INTELLIGRATED INC. IS PROHIBITED.						 Intelligent®					
PROPRIETARY AND CONFIDENTIAL UPDATED E-STOP CIRCUIT LOOP OUT TBD7 WIRE NOS. ECO # DWG29789 ADDED SAFE TORQUE OFF OPTION, REMOVED FAN ECO # DWG20769											

13000
13001
13002
13003
13004
13005
13006
13007
13008
13009
13010
13011
13012
13013
13014
13015
13016
13017
13018
13019
13020
13021
13022
13023
13024
13025
13026
13027
13028
13029
13030
13031
13032
13033
13034
13035
13036
13037
13038
13039

NOTES: REFER TO SPECIFICATION ENC-149 FOR WIRE COLOR, UNLESS SPECIFIED

ALL INTERNAL 24V WIRING IS 18 AWG
24V WIRES (BLUE)
OV WIRES (WHITE/BLUE STRIPE)
ALL INTERNAL E-STOP JUMPERS TO BE YELLOW

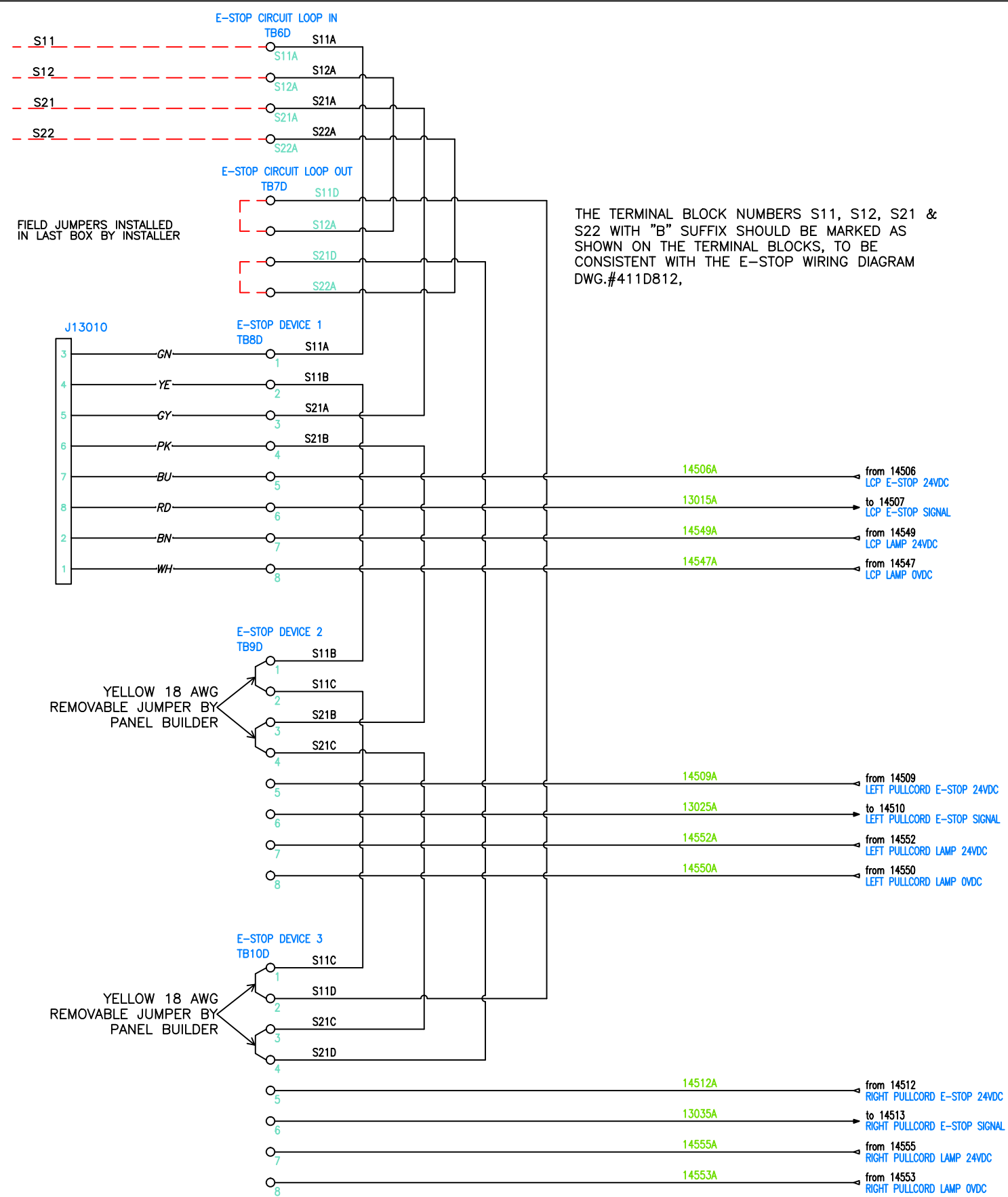
(LCP)
LOCAL CONTROL PANEL
E-STOP

LEFT PULLCORD
E-STOP
(OPTIONAL)

RIGHT PULLCORD
E-STOP
(OPTIONAL)

INTERNAL
E-STOP IN

INTERNAL
E-STOP OUT



REVISION NO		NEXT PAGE	
8		140	
PAGE		130	

TITLE: STANDARD INDUCTION I/O CONTROL PANEL		E-STOP	
INSTALLATION	PAGE	NEXT PAGE	SCALE
LOCATION	130	140	0
PROPOSAL/PROJECT No.		JFM	

DATE		DATE	
10.30.2013		11.8.2013	
DRAWN BY: DLS		CHECKED BY: JFM	

PROJECT REFERENCES		422D611	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGRATED INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF INTELLIGRATED INC. IS PROHIBITED			

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

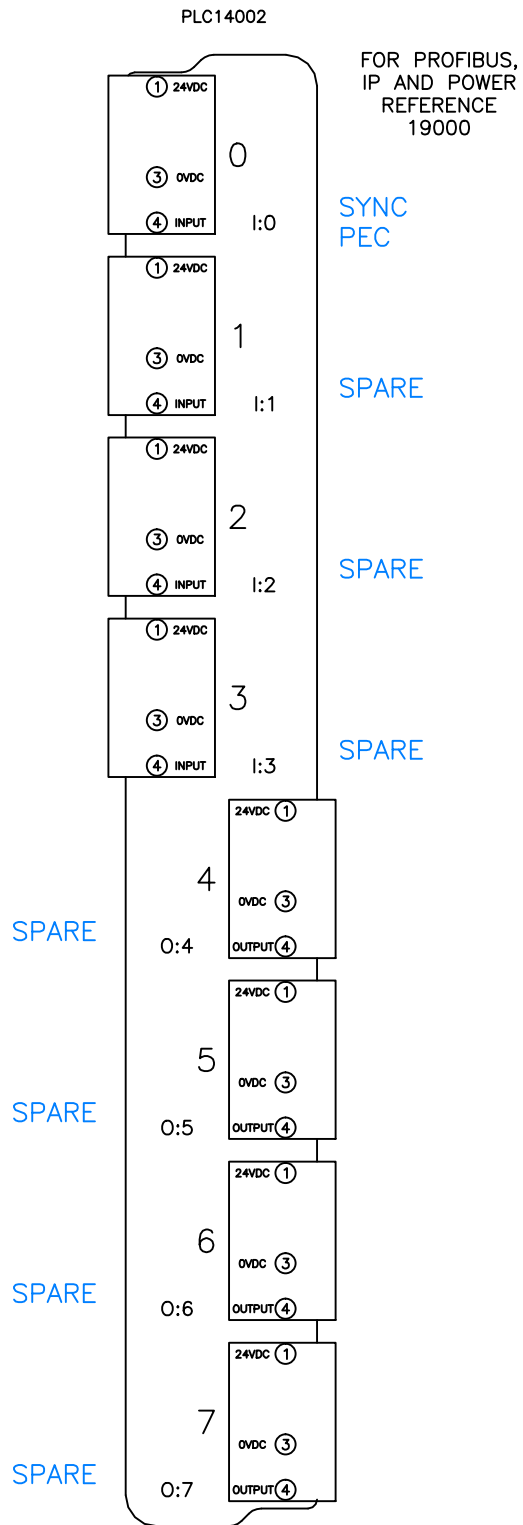
REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3		DLS	
4		DLS	
5		DLS	

REVISION DESCRIPTION		DATE	
REV#		REV BY	
1		DLS	
2		DLS	
3			

14000
14001
14002
14003
14004
14005
14006
14007
14008
14009
14010
14011
14012
14013
14014
14015
14016
14017
14018
14019
14020
14021
14022
14023
14024
14025
14026
14027
14028
14029
14030
14031
14032
14033
14034
14035
14036
14037
14038
14039
14040
14041

NOTES: REFER TO SPECIFICATION ENC-149 FOR
WIRE COLOR, UNLESS SPECIFIED

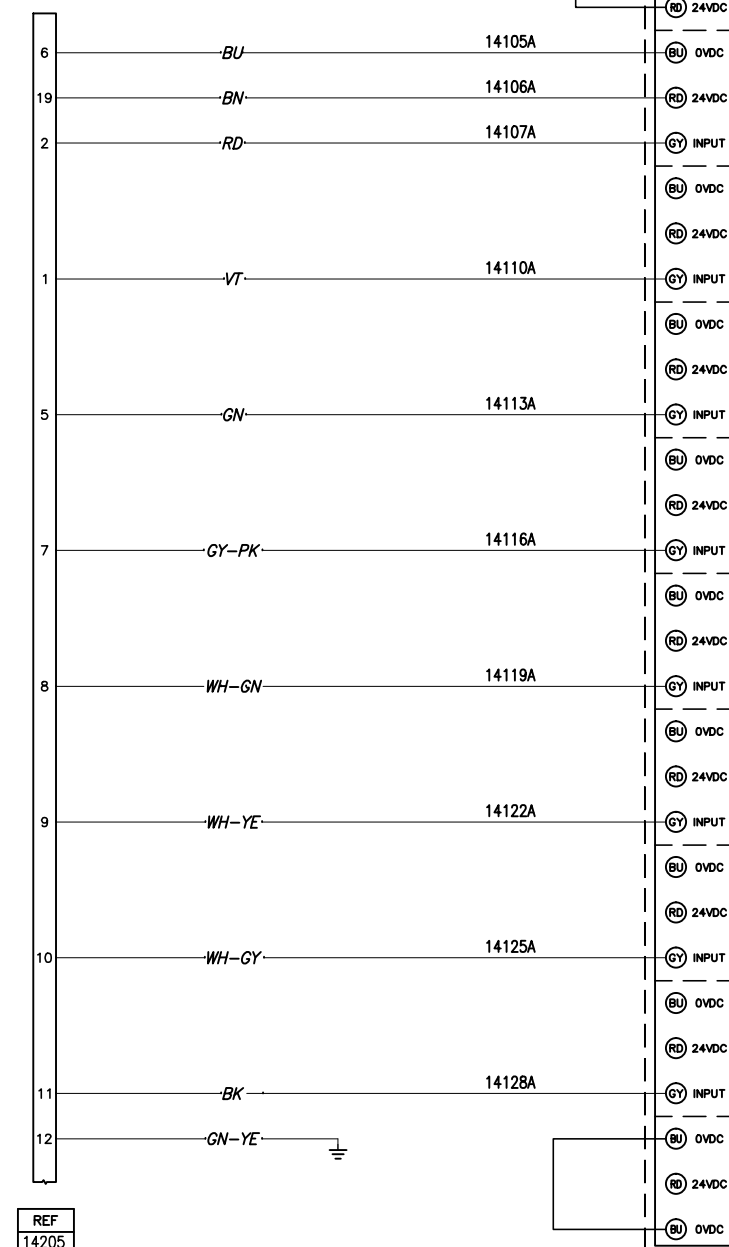
ALL INTERNAL 24V WIRING IS 18 AWG
24V WIRES (BLUE)
0V WIRES (WHITE/BLUE STRIPE)



TITLE: STANDARD INDUCTION I/O CONTROL PANEL COUPLER BOX INPUT AND OUTPUT		REVISION NO 8		NEXT PAGE 141	
PAGE 140		REVISION NO 8		NEXT PAGE 141	
INSTALLATION LOCATION		NEXT PGE 141		SCALE 0	
DRAWN BY: DLS		DATE 10.30.2013		CHECKED BY: JFM	
PROPOSAL/PROJECT No. 422D611		DATE 11.8.2013		PROJECT REFERENCES 422D611	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGRATED INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF INTELLIGRATED INC. IS PROHIBITED		REVISION DESCRIPTION REVISION DESCRIPTION		DATE DATE	
REV# 1 DLS 4.25.2014 UPDATED E-STOP REFERENCES & TERMINAL BLOCK		REV# 2 DLS 6.11.2014 UPDATED BECKHOFF OUTPUT TERMINAL & J14105		REV# 3 DLS 4.7.2015 ADDED OPTIONAL E-STOP STACK LAMP & HORN	
REV# 4 DLS 05.12.2015 UPDATED WIRE NUMBERS & BOM		REV# 5 DLS 06.08.2015 PANEL VENDOR AS-BUILTS ECO # DWG20302		REV# 6 DLS 07.24.2015 ADDED SAFE TORQUE OFF OPTION, REMOVED FAN ECO # DWG20789	
REV# 7 DLS 06.16.2016 ADDED DIN RAIL FOR OPTIONAL PROFIBUS REPEATER ECO # DWG25460		REV# 8 ONH 03.30.2017 UPDATED E-STOP CIRCUIT LOOP OUT T8D7 WIRE NO.s ECO # DWG29789		REV# 9 DLS 07.24.2015 ADDED SAFE TORQUE OFF OPTION, REMOVED FAN ECO # DWG20789	

14100
14101
14102
14103
14104
14105
14106
14107
14108
14109
14110
14111
14112
14113
14114
14115
14116
14117
14118
14119
14120
14121
14122
14123
14124
14125
14126
14127
14128
14129
14130
14131
14132
14133
14134
14135
14136
14137
14138
14139
14140
14141

J14105



PLC14102

FOR PROFIBUS,
IP AND POWER
REFERENCE
19000

MAIN DISCONNECT
SUPERVISION

24 VDC
SUPERVISION

CB SUPERVISION
BELT 1

CB SUPERVISION
BELT 2

CB SUPERVISION
BELT 3

CB SUPERVISION
BELT 4

CB SUPERVISION
BELT 5

CB SUPERVISION
BELT 6

14142
14143
14144
14145
14146
14147
14148
14149
14150
14151
14152
14153
14154
14155
14156
14157
14158
14159
14160
14161
14162
14163
14164
14165
14166
14167
14168
14169
14170
14171
14172
14173
14174
14175
14176
14177
14178
14179
14180
14181
14182
14183

FOR PROFIBUS,
IP AND POWER
REFERENCE
19000

CTB.IC.C
BIT 0

CTB.IC.C
BIT 1

CTB.IC.C
BIT 2

CTB.IC.C
BIT 3

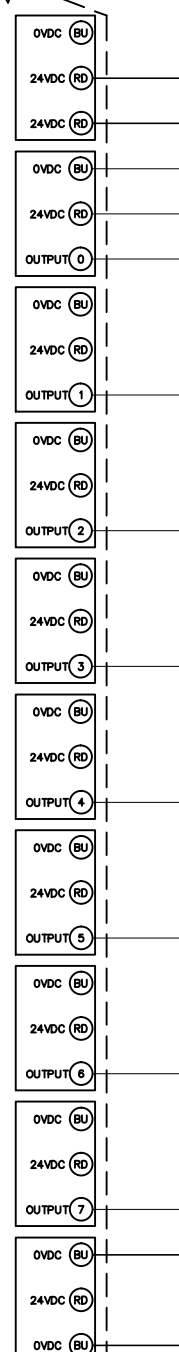
CTB.IC.C
BIT 4

CTB.IC.C
BIT 5

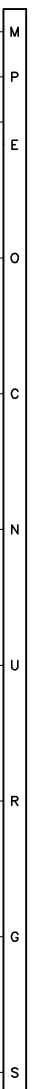
CTB.IC.C
BIT 6

CTB.IC.C
BIT 7

PLC14102

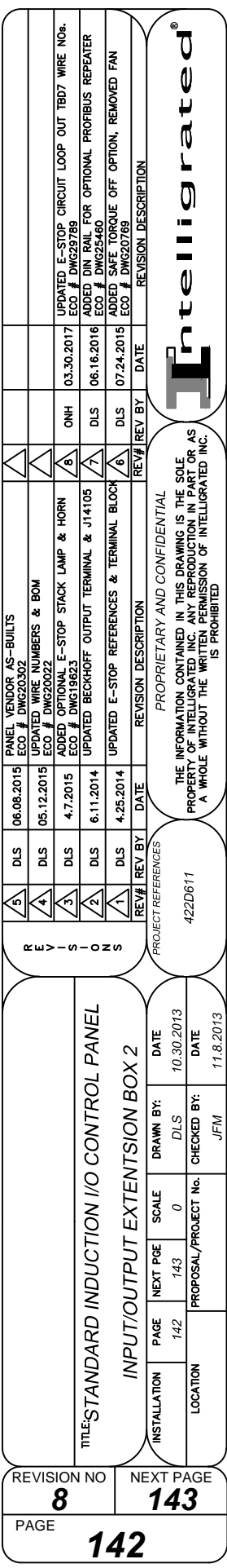


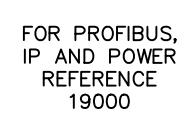
J14147



NOTES: REFER TO SPECIFICATION ENC-149 FOR
WIRE COLOR, UNLESS SPECIFIED
ALL INTERNAL 24V WIRING IS 18 AWG
24V WIRES (BLUE)
OV WIRES (WHITE/BLUE STRIPE)

PANEL VENDOR AS-BUILTS ECO # DWG20302		UPDATED WIRE NUMBERS & BOM ECO # DWG20302		E-STOP STACK LAMP & HORN ECO # DWG19823		E-STOP OUTPUT TERMINAL & J14105 ECO # DWG19823		E-STOP REFERENCES & TERMINAL BLOCK ECO # DWG20789		E-STOP TORQUE OFF OPTION, REMOVED FAN ECO # DWG20789	
DLS	06.08.2015	DLS	05.12.2015	DLS	4.7.2015	DLS	6.11.2014	DLS	4.25.2014	DLS	07.24.2015
5	4	3	2	1	1	1	1	1	1	1	1
REVISION DESCRIPTION											
REV# REV BY DATE											
PROJECT REFERENCES											
422D611											
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGATED INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF INTELLIGATED INC. IS PROHIBITED											
INTEGRATED											
TITLE: STANDARD INDUCTION I/O CONTROL PANEL INPUT/OUTPUT EXTENSION BOX 1											
INSTALLATION		PAGE		NEXT PAGE		SCALE		DRAWN BY:		DATE	
LOCATION		141		142		0		DLS		10.30.2013	
PROPOSAL/PROJECT No.		141		142		0		DLS		11.8.2013	
CHECKED BY:		JFM		JFM		JFM		JFM		JFM	
REVISION NO		8		NEXT PAGE		142		PAGE		141	

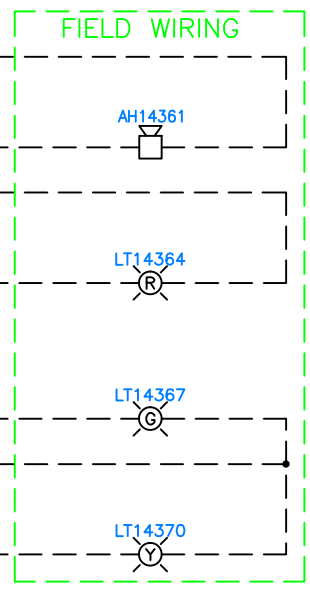




SPARE
RESERVED

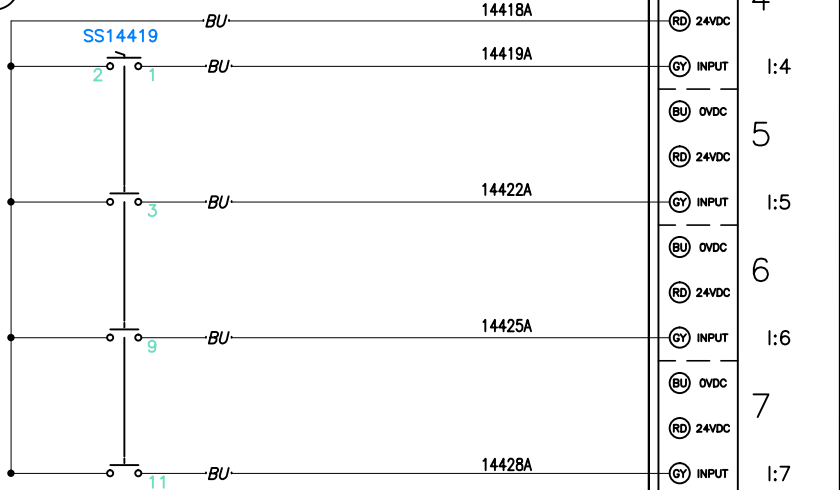
FOR PROFIBUS,
IP AND POWER
REFERENCE
19000

INDUCTION ERROR
STACK LAMP
OPTIONAL

[illegible]

14400
14401
14402
14403
14404
14405
14406
14407
14408
14409
14410
14411
14412
14413
14414
14415
14416
14417
14418
14419
14420
14421
14422
14423
14424
14425
14426
14427
14428
14429
14430
14431
14432
14433
14434
14435
14436
14437
14438
14439
14440
14441

SEE TABLE BELOW
FOR FUNCTIONALITY
OF SS14419



SS14419					
POSITION	BIT 4	BIT 3	BIT 2	BIT 1	
0	0	0	0	0	AUTO
1	0	0	0	1	M1
2	0	0	1	0	M2
3	0	0	1	1	M3
4	0	1	0	0	M4
5	0	1	0	1	M5
6	0	1	1	0	M6
7	0	1	1	1	M7
8	1	0	0	0	M8
9	1	0	0	1	M9
10	1	0	1	0	M10
11	1	0	1	1	M11
12	1	1	0	0	M12
13	1	1	0	1	—
14	1	1	1	0	—
15	1	1	1	1	—

NOTES: REFER TO SPECIFICATION ENC-149 FOR
WIRE COLOR, UNLESS SPECIFIED

ALL INTERNAL 24V WIRING IS 18 AWG
24V WIRES (BLUE)
0V WIRES (WHITE/BLUE STRIPE)

PLC14402

FOR PROFIBUS,
IP AND POWER
REFERENCE
19000

SPARE

SPARE

SPARE

SPARE

TEST SWITCH
BIT 1

TEST SWITCH
BIT 2

TEST SWITCH
BIT 3

TEST SWITCH
BIT 4

PLC14402

FOR PROFIBUS,
IP AND POWER
REFERENCE
19000

SPARE

SPARE

SPARE

SPARE

SPARE

SPARE

INDUCTION READY
NEXT ITEM (RNI)

INDUCTION
RUNNING (IR)

14442
14443
14444
14445
14446
14447
14448
14449
14450
14451
14452
14453
14454
14455
14456
14457
14458
14459
14460
14461
14462
14463
14464
14465
14466
14467
14468
14469
14470
14471
14472
14473
14474
14475
14476
14477
14478
14479
14480
14481
14482
14483

0

0:0

1

0:1

2

0:2

3

0:3

4

0:4

5

0:5

6

0:6

7

0:7

14467B

14470B

14470A

CR14467

CR14470

A1

A1

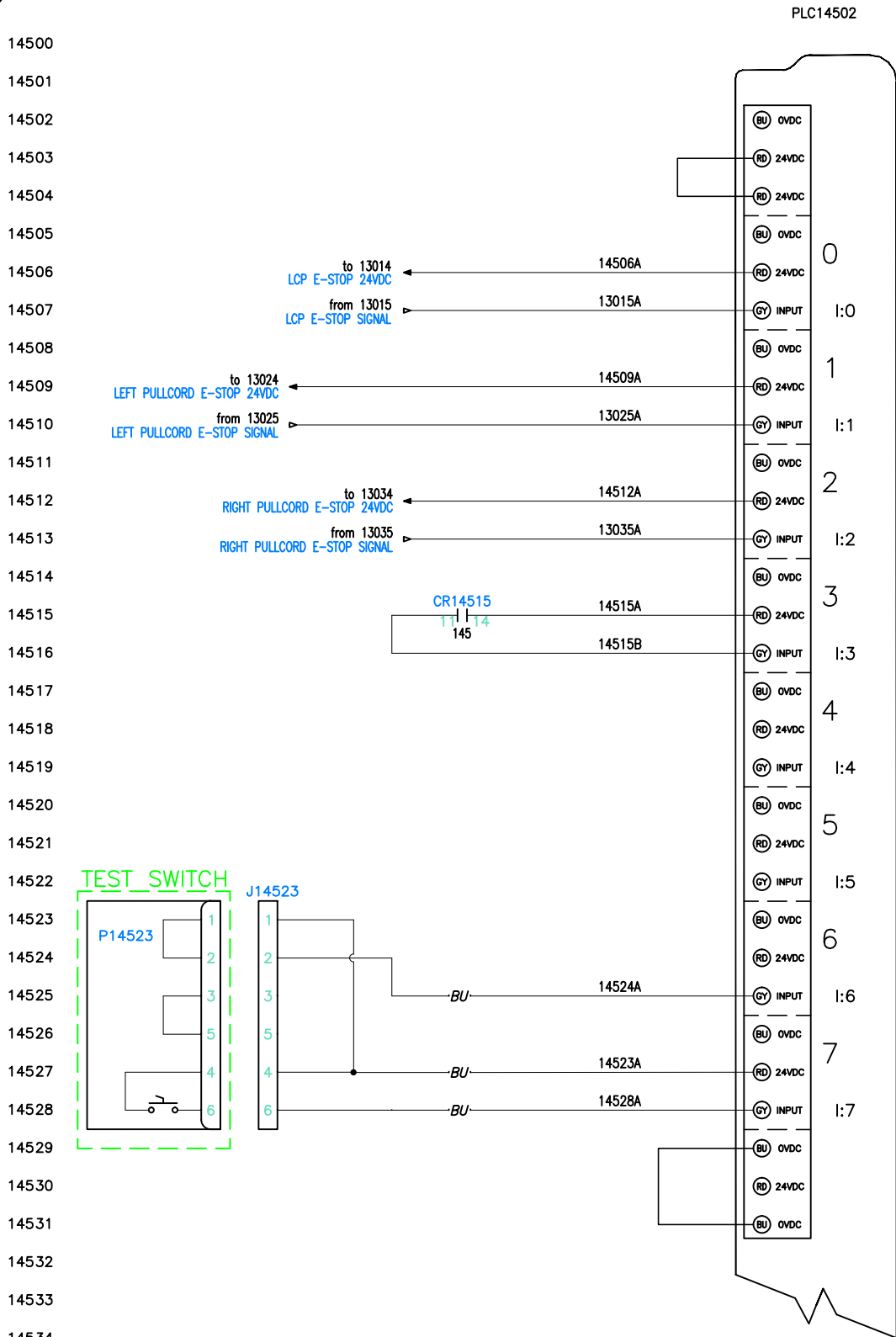
A2

A2

PANEL VENDOR AS-BUILTS ECO # DWG20302		UPDATED WIRE NUMBERS & BOM ECO # DWG20302		E-STOP STACK LAMP & HORN ECO # DWG19823		UPDATED BACKHOFF OUTPUT TERMINAL & J14105 ECO # DWG20789		UPDATED E-STOP REFERENCES & TERMINAL BLOCK ECO # DWG20789		REVISION DESCRIPTION	
DLS	06.08.2015	DLS	05.12.2015	DLS	4.7.2015	DLS	6.11.2014	DLS	4.25.2014	REV#	DATE
5		4		3		2		1		REV#	DATE
PROJECT REFERENCES											
422D611											
TITLE: STANDARD INDUCTION I/O CONTROL PANEL INPUT/OUTPUT EXTENSION BOX 4											
INSTALLATION		PAGE		NEXT PAGE		SCALE		DRAWN BY:		DATE	
LOCATION		144		145		0		DLS		10.30.2013	
								CHECKED BY:		DATE	
								JFM		11.8.2013	
REVISION NO						NEXT PAGE					
8						145					
PAGE						144					

Intellegated®

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE
PROPERTY OF INTELLEGATED INC. ANY REPRODUCTION IN PART OR AS
A WHOLE WITHOUT THE WRITTEN PERMISSION OF INTELLEGATED INC.
IS PROHIBITED



LCP E-STOP
PUSH BUTTON

LEFT E-STOP
PULLCORD

RIGHT E-STOP
PULLCORD

NEXT ITEM
PROCEEDING (NIP)

SPARE

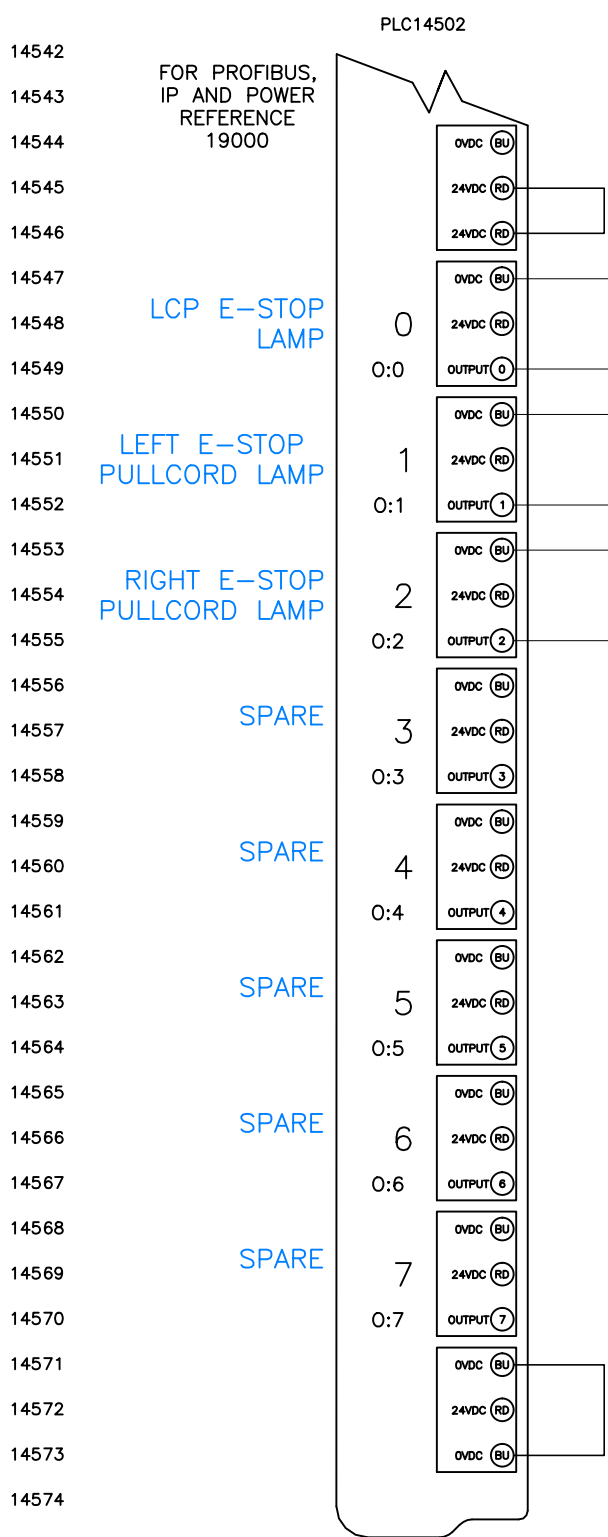
SPARE

SPARE

SPARE

TEST PLUG
IN/OUT

TEST PLUG
ON/OFF



LCP E-STOP
LAMP

LEFT E-STOP
PULLCORD LAMP

RIGHT E-STOP
PULLCORD LAMP

SPARE

SPARE

SPARE

SPARE

SPARE

NOTES: REFER TO SPECIFICATION ENC-149 FOR
WIRE COLOR, UNLESS SPECIFIED

ALL INTERNAL 24V WIRING IS 18 AWG
24V WIRES (BLUE)
OV WIRES (WHITE/BLUE STRIPE)

PANEL VENDOR AS-BUILTS ECO # DWG20302		UPDATED WIRE NUMBERS & BOM ECO # DWG20302		E-STOP STACK LAMP & HORN ECO # DWG19823		UPDATED BECKHOFF OUTPUT TERMINAL & J14105 ECO # DWG19823		UPDATED E-STOP REFERENCES & TERMINAL BLOCK ECO # DWG20789		REVISION DESCRIPTION	
DLS	06.08.2015	DLS	05.12.2015	DLS	4.7.2015	DLS	6.11.2014	DLS	4.25.2014	REV#	DATE
5		4		3		2		1		REV#	DATE
PROJECT REFERENCES										422D611	
TITLE: STANDARD INDUCTION I/O CONTROL PANEL										DATE: 10.30.2013	
INPUT/OUTPUT EXTENSION BOX 5										DATE: 11.8.2013	
DRAWN BY: DLS										CHECKED BY: JFM	
SCALE: 0										PROPOSAL/PROJECT No.	
PAGE: 145										NEXT PAGE: 190	
LOCATION										REVISION NO: 8	
PAGE: 145										145	

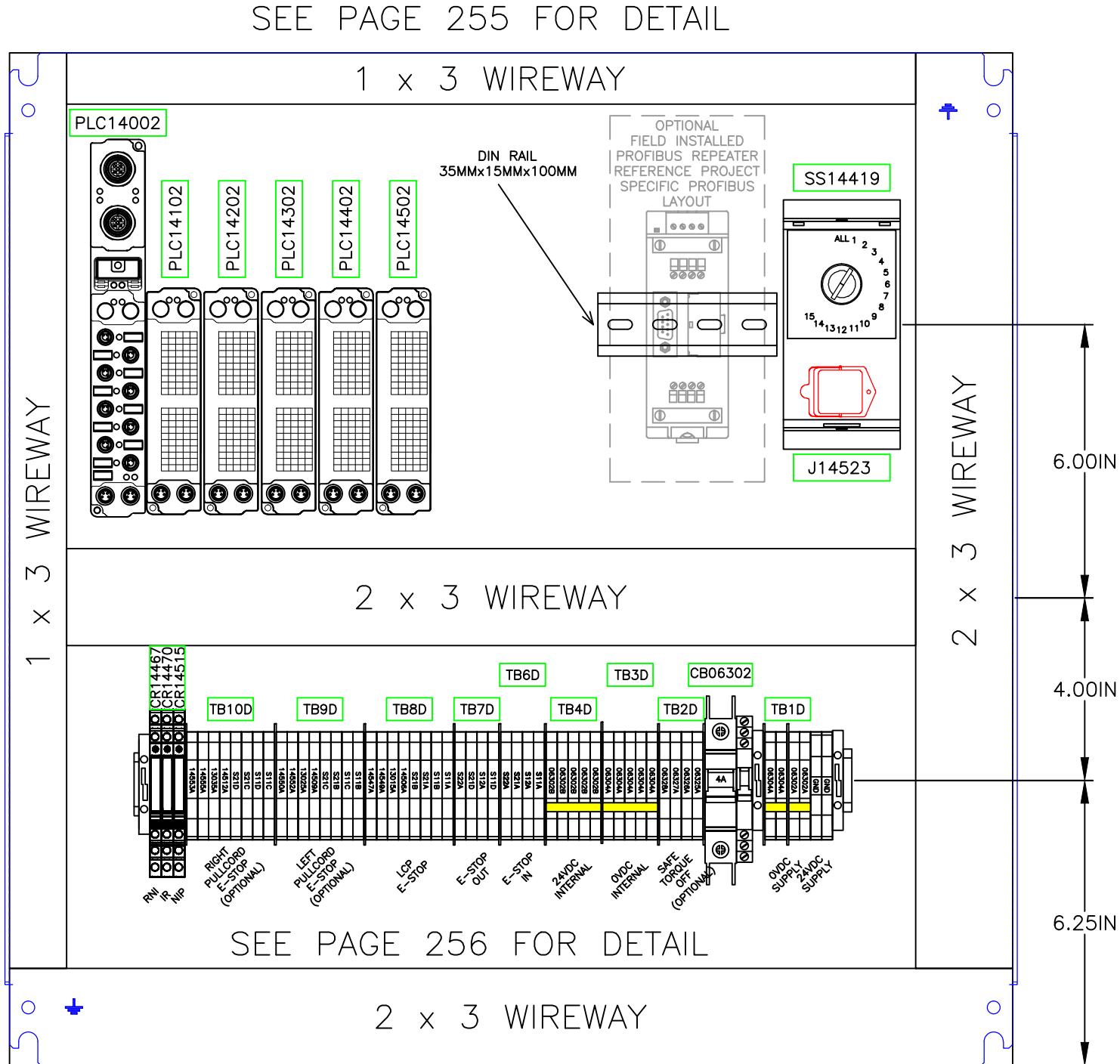
INteligraed®

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE
PROPERTY OF INTELLIGRATED INC. ANY REPRODUCTION IN PART OR AS
A WHOLE WITHOUT THE WRITTEN PERMISSION OF INTELLIGRATED INC.
IS PROHIBITED



REFERENCE PROJECT SPECIFIC INDUCTION WIRING DIAGRAM

[illegible]




ENCLOSURE NOTES:

- 1) ADD DOOR/ENCLOSURE GROUNDING STRAP
- 2) ALL DEVICE ID TAGS TO BE WHITE 1.5 INCHES X 0.5 INCHES WITH 0.25 INCH BLACK TEXT
- 3) DIN RAIL TO BE STANDARD TS-35MM X 7.5MM
- 4) ALL WIREWAY TO BE WHITE, SIZE AS INDICATED ON LAYOUT

TITLE: STANDARD INDUCTION I/O CONTROL PANEL									
INTERNAL LAYOUT									
INSTALLATION		PAGE	NEXT PAGE	SCALE	DRAWN BY:	DATE	PROJECT REFERENCES		
LOCATION		251	255	0	DLS	10.30.2013	422D611		
					CHECKED BY:	DATE	11.8.2013		
					JFM				
REVISION NO					NEXT PAGE				
8					255				
PAGE					251				

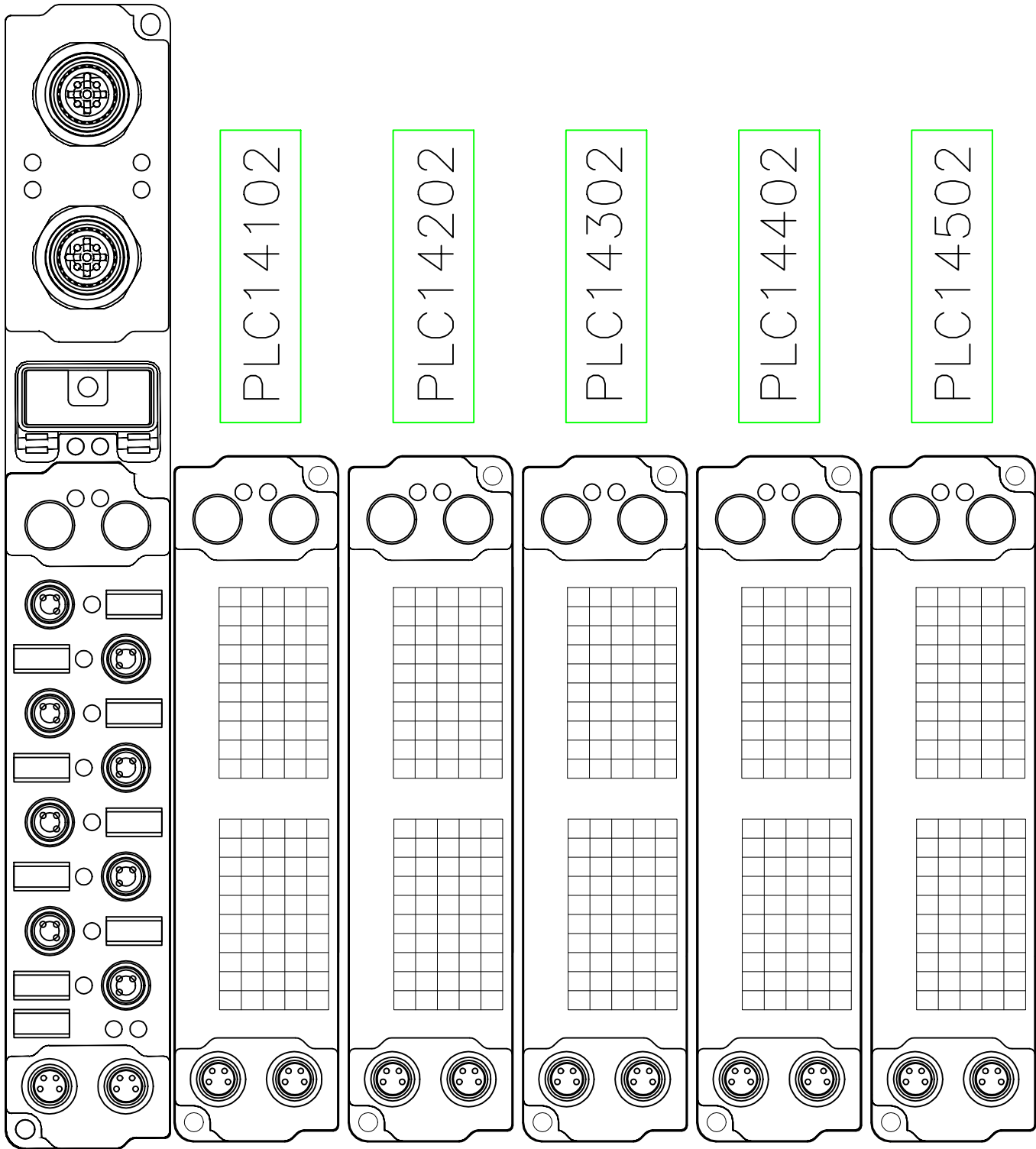
5	DLS	06.08.2015	PANEL VENDOR AS-BUILTS ECO # DWG20302	△			
4	DLS	05.12.2015	UPDATED WIRE NUMBERS & BOM ECO # DWG20022	△			
3	DLS	4.7.2015	ADDED OPTIONAL E-STOP STACK LAMP & HORN ECO # DWG19823	△	ONH	03.30.2017	UPDATED E-STOP CIRCUIT LOOP OUT TBD7 WIRE NOs. ECO # DWG29789
2	DLS	6.11.2014	UPDATED BECKHOFF OUTPUT TERMINAL & J14105	△	DLS	06.16.2016	ADDED DIN RAIL FOR OPTIONAL PROFIBUS REPEATER ECO # DWG25460
1	DLS	4.25.2014	UPDATED E-STOP REFERENCES & TERMINAL BLOCK	△	DLS	07.24.2015	ADDED SAFE TORQUE OFF OPTION, REMOVED FAN ECO # DWG20789
REV#	REV BY	DATE	REVISION DESCRIPTION	REV#	REV BY	DATE	REVISION DESCRIPTION

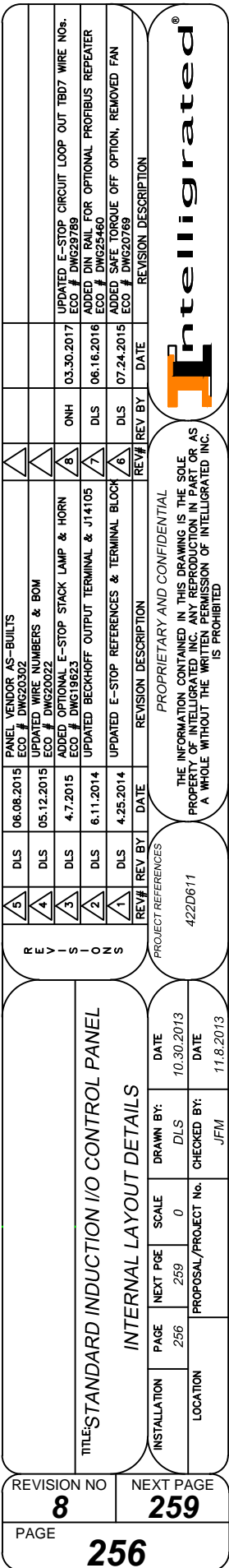


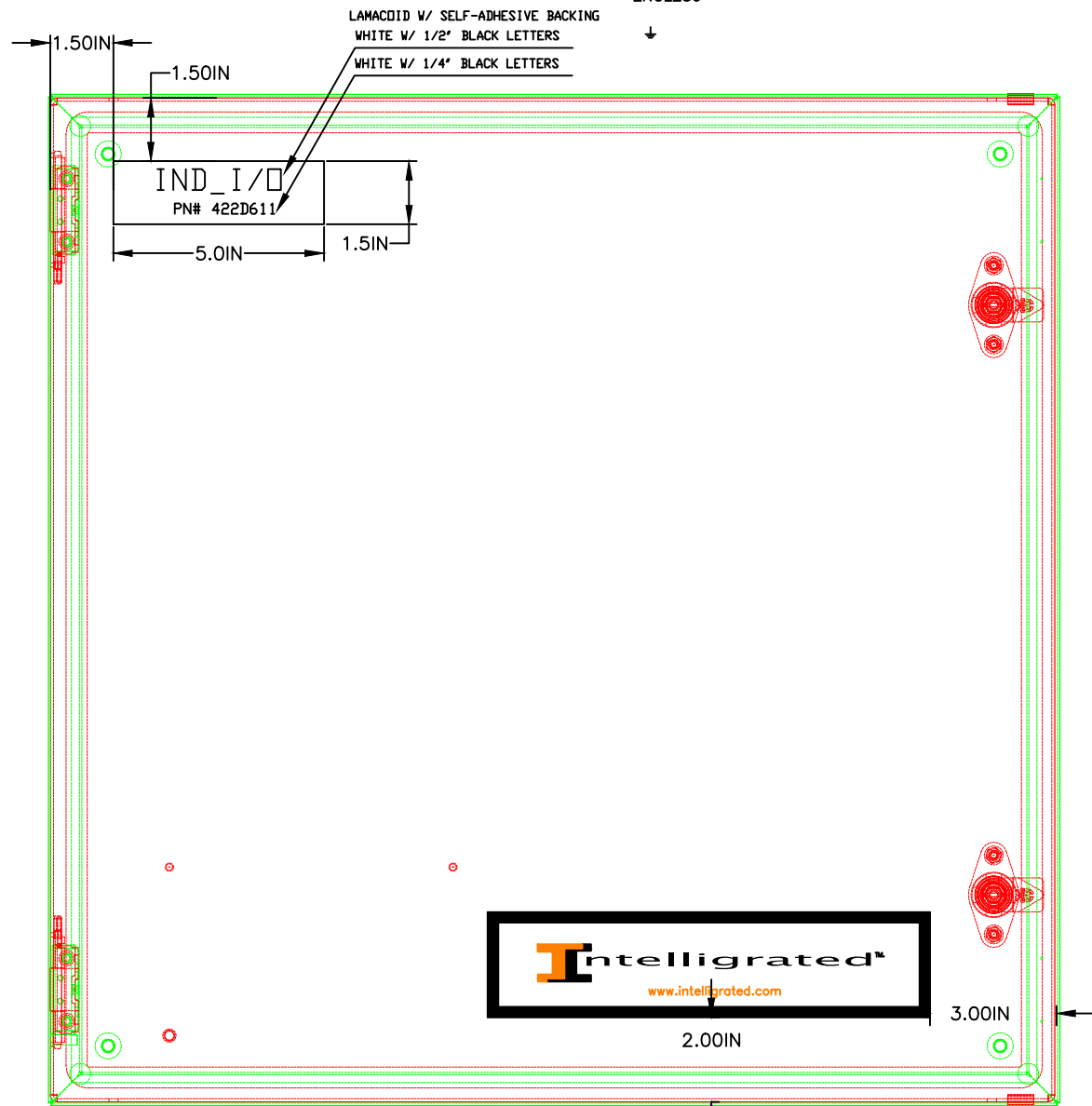
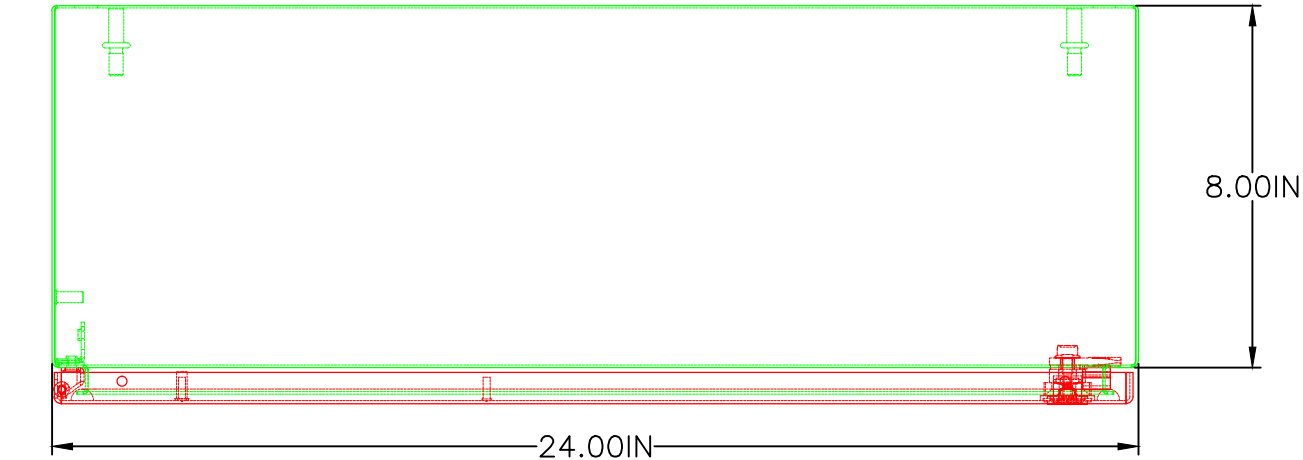
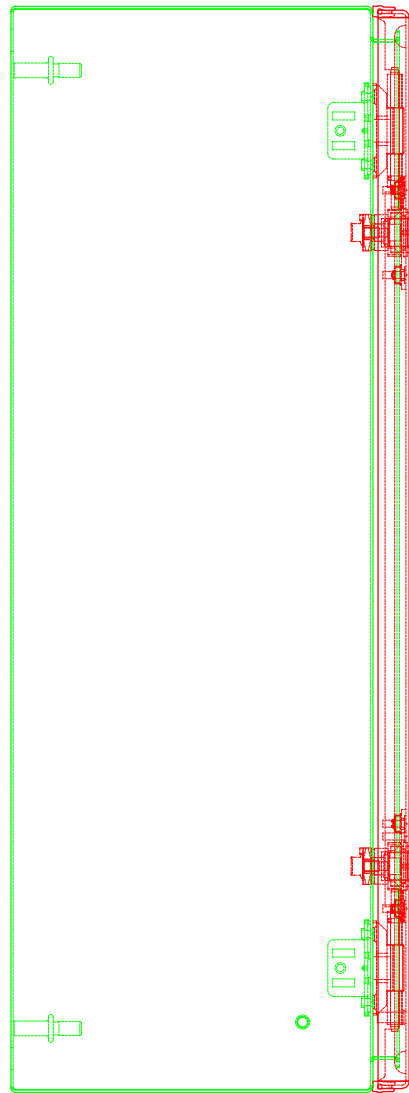
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGATED INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF INTELLIGATED INC. IS PROHIBITED

PROPRIETARY AND CONFIDENTIAL

PLC14002

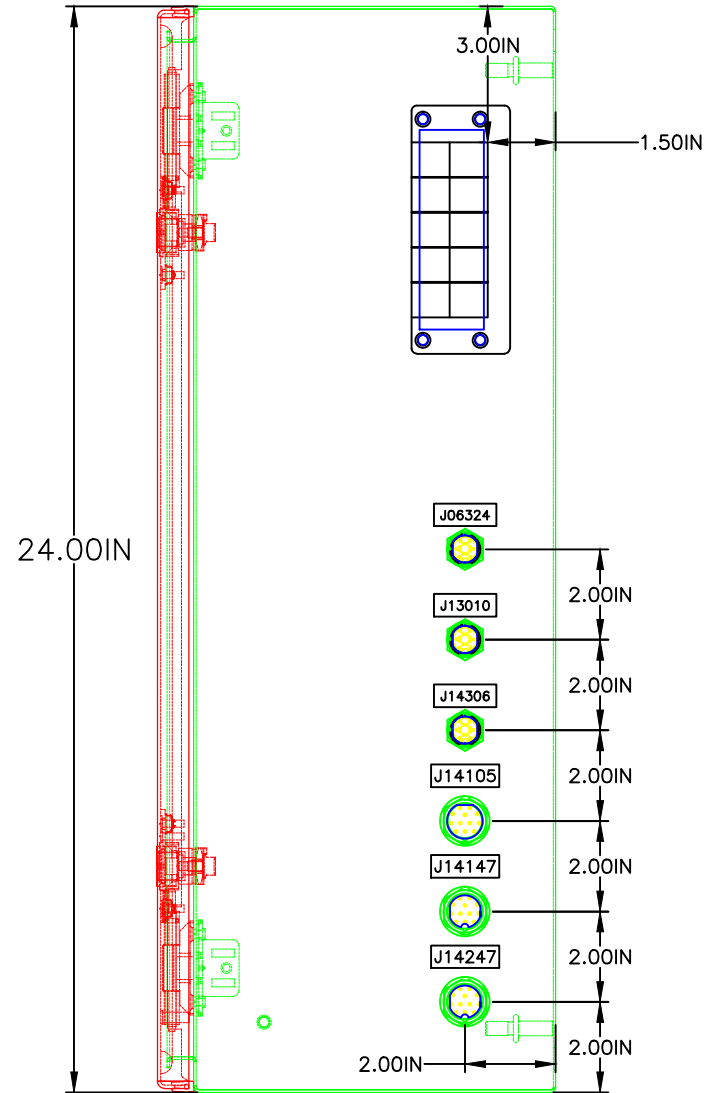






GLAND PLATE NOTES:
1) SHIP GLAND PLATE WITH THE (10) INCLUDED BLANK GROMMETS INSTALLED
2) ALL REMAINING GROMMETS ARE TO BE PLACED IN A BAG AND FASTENED INSIDE THE ENCLOSURE

PROFIBUS OUT 8 MM	PROFIBUS IN 8 MM
E-STOP OUT 8 MM	E-STOP IN 8 MM
OPTIONAL SAFE TORQUE OFF 8MM	OPTIONAL SAFE TORQUE OFF 8MM
OPTIONAL STACK LAMP 8 MM	IP LINK IN/OUT 2x6 MM
EXTERNAL 24VDC 8 MM	24VDC AS-I



- ENCLOSURE NOTES:
- 1) ADD DOOR/ENCLOSURE GROUNDING STRAP
 - 2) ALL DEVICE ID TAGS TO BE LAMACOID WHITE 1.5 INCHES X 0.5 INCHES WITH 0.25 INCH BLACK TEXT

REVISION NO 8		NEXT PAGE 971	
PAGE 259		259	

TITLE: STANDARD INDUCTION I/O CONTROL PANEL		EXTERNAL LAYOUT	
INSTALLATION	PAGE 259	SCALE 0	PROPOSAL/PROJECT No. 971
LOCATION		DRAWN BY: DLS	CHECKED BY: JFM
DATE 10.30.2013		DATE 11.8.2013	

5	4	3	2	1
DLS	DLS	DLS	DLS	DLS
06.08.2015	05.12.2015	4.7.2015	6.11.2014	4.25.2014
REVISION DESCRIPTION				
PANEL VENDOR AS-BUILTS				
ECO # DWG20352				
UPDATED WIRE NUMBERS & BOM				
ECO # DWG20352				
E-STOP STACK LAMP & HORN				
ECO # DWG19823				
UPDATED BECKHOFF OUTPUT TERMINAL & J14105				
ECO # DWG20789				
E-STOP REFERENCES & TERMINAL BLOCK				
ECO # DWG20789				
DATE 07.24.2015				
REV BY DLS				
DATE 06.16.2016				
REV BY DLS				
DATE 03.30.2017				
REV BY ONH				
DATE 03.30.2017				
ECO # DWG20789				
E-STOP CIRCUIT LOOP OUT TDD7 WIRE NO.				

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGRATED INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF INTELLIGRATED INC. IS PROHIBITED

Intelligrated®

STANDARD 30 AMP 12 BELT INDUCTION POWER PANEL

TITLE: STANDARD 30 AMP 12 BELT POWER PANEL TITLE PAGE				REVISIONS				PROJECT REFERENCES				PROPRIETARY AND CONFIDENTIAL							
TITLE: STANDARD 30 AMP 12 BELT POWER PANEL TITLE PAGE				5		DLS		06.08.2015		PANEL VENDOR AS-BUILTS ECO # DWG2D303 UPDATED WIREWAY ECO # DWG2D303 ADDED DIMENSIONS TO LAYOUT PAGES 251 & 259 ECO # DWG19625 ADDED DIMENSIONS TO LAYOUT PAGES 251 & 259 ECO # DWG19625 UPDATED INTERVAL AND DS06103 PART NUMBERS ECO # DWG19112 ADDED FLA NOTE ON PAGE 61		△							
				4		DLS		05.12.2015				△							
				3		DLS		04.21.2015				△							
				2		DLS		03.16.2015				△							
				1		DLS		5.12.2014				△							
TITLE: STANDARD 30 AMP 12 BELT POWER PANEL TITLE PAGE				REV#		REV BY		DATE		REVISION DESCRIPTION		DATE		Intellegated® THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGATED INC. NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF INTELLIGATED INC. IS PROHIBITED.					
TITLE: STANDARD 30 AMP 12 BELT POWER PANEL TITLE PAGE				5		DLS		06.08.2015		△		ECO # DWG2D303 UPDATED WIREWAY ECO # DWG2D303 ADDED DIMENSIONS TO LAYOUT PAGES 251 & 259 ECO # DWG19625 ADDED DIMENSIONS TO LAYOUT PAGES 251 & 259 ECO # DWG19625 UPDATED INTERVAL AND DS06103 PART NUMBERS ECO # DWG19112 ADDED FLA NOTE ON PAGE 61							
				4		DLS		05.12.2015		△									
				3		DLS		04.21.2015		△									
				2		DLS		03.16.2015		△									
TITLE: STANDARD 30 AMP 12 BELT POWER PANEL TITLE PAGE				1		DLS		5.12.2014		△		DLS		05.04.2016		ECO # DWG24806 UPDATED FUE200 & FUE300 ECO # DWG24806			
				REV#		REV BY		DATE		REVISION DESCRIPTION		DATE							
TITLE: STANDARD 30 AMP 12 BELT POWER PANEL TITLE PAGE				DRAWN BY:		SCALE		NEXT PGE		PAGE		INSTALLATION		LOCATION		Intellegated®			
TITLE: STANDARD 30 AMP 12 BELT POWER PANEL TITLE PAGE				DLS		NTS		001		000		PROPOSAL/PROJECT No. STANDARD		CHECKED BY: JFM				DATE 11.11.2013	
				DATE		DATE		DATE		DATE									
REVISION NO 6				NEXT PAGE 001				PAGE 000				Intellegated®							
REVISION NO 6				NEXT PAGE 001				PAGE 000											

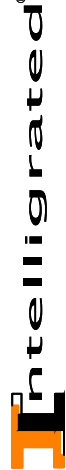
PAGE	DWGDESC3
000	TITLE PAGE
001	TABLE OF CONTENTS
061	480VAC POWER
062	480VAC POWER
063	480VAC POWER
142	24VDC CONTROL
251	INTERNAL LAYOUT
259	EXTERNAL LAYOUT
970	BILL OF MATERIAL
971	BILL OF MATERIAL

REVISION NO 6		NEXT PAGE 061	
PAGE 001			

TITLE: STANDARD 30 AMP 12 BELT POWER PANEL		TABLE OF CONTENTS	
INSTALLATION	PAGE 001	NEXT PGE 061	SCALE NTS
LOCATION		PROPOSAL/PROJECT No.	STANDARD
		DRAWN BY: DLS	DATE 11.4.2013
		CHECKED BY: JFM	DATE 11.11.2013

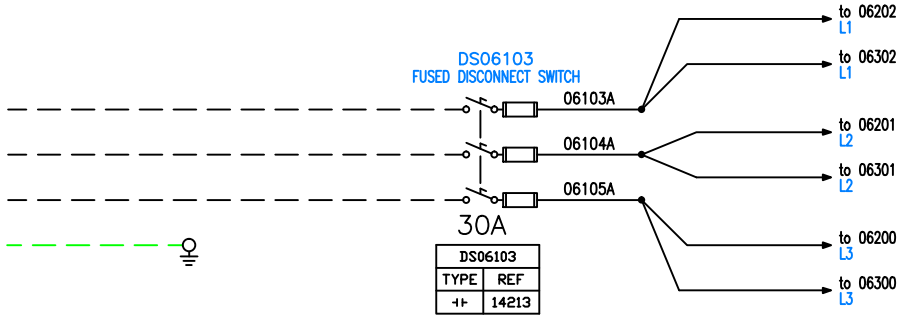
REV#		REV BY	DATE	REVISION DESCRIPTION
5		DLS	06.08.2015	PANEL VENDOR AS-BUILTS ECO # DWG20303
4		DLS	05.12.2015	UPDATED WIREWAY ECO # DWG19825
3		DLS	04.21.2015	ADDED DIMENSIONS TO LAYOUT PAGES 251 & 259 ECO # DWG19825
2		DLS	03.16.2015	UPDATED INTERNAL AND DS06103 PART NUMBERS ECO # DWG19112
1		DLS	5.12.2014	ADDED FLA NOTE ON PAGE 61 ECO # DWG24806

PROJECT REFERENCES 422D613		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGRATED INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF INTELLIGRATED INC. IS PROHIBITED	
-------------------------------	--	---	--



06100
06101
06102
06103
06104
06105
06106
06107
06108
06109
06110
06111
06112
06113
06114
06115
06116
06117
06118
06119
06120
06121
06122
06123
06124
06125
06126
06127
06128
06129
06130
06131
06132
06133
06134
06135
06136
06137
06138
06139

FROM MAIN POWER
REFERENCE
SINGLE LINE DIAGRAM



DUTY CYCLE OF MOTORS IS SUCH
THAT TOTAL FLA OF ALL MOTORS
PLUS 25% OF THE LARGEST MOTOR
IS 20.2 AMPS

NOTES: REFER TO SPECIFICATION ENC-149 FOR
WIRE COLOR, UNLESS SPECIFIED

ALL INTERNAL 24V WIRING IS 18 AWG
24V WIRES (BLUE)
0V WIRES (WHITE/BLE STRIPE)

REVISIONS		PROJECT REFERENCES		PROPRIETARY AND CONFIDENTIAL			
REV#	REV BY	DATE	REVISION DESCRIPTION	REV#	REV BY	DATE	REVISION DESCRIPTION
5	DLS	06.08.2015	PANEL VENDOR AS-BUILTS ECO # DWG20303	1	DLS	05.04.2016	UPDATED FUG200 & FUG300 ECO # DWG24806
4	DLS	05.12.2015	UPDATED WIREWAY ECO # DWG19825	2	DLS	05.04.2016	ECO # DWG24806
3	DLS	04.21.2015	ADDED DIMENSIONS TO LAYOUT PAGES 251 & 259 ECO # DWG19825	3	DLS	05.04.2016	ECO # DWG24806
2	DLS	03.16.2015	UPDATED INTERNAL AND DS06103 PART NUMBERS ECO # DWG19112	4	DLS	05.04.2016	ECO # DWG24806
1	DLS	5.12.2014	ADDED FLA NOTE ON PAGE 61	5	DLS	05.04.2016	ECO # DWG24806

TITLE: STANDARD 30 AMP 12 BELT POWER PANEL 480VAC POWER		DATE	
INSTALLATION	LOCATION	DRAWN BY:	CHECKED BY:
061	062	DLS	JFM

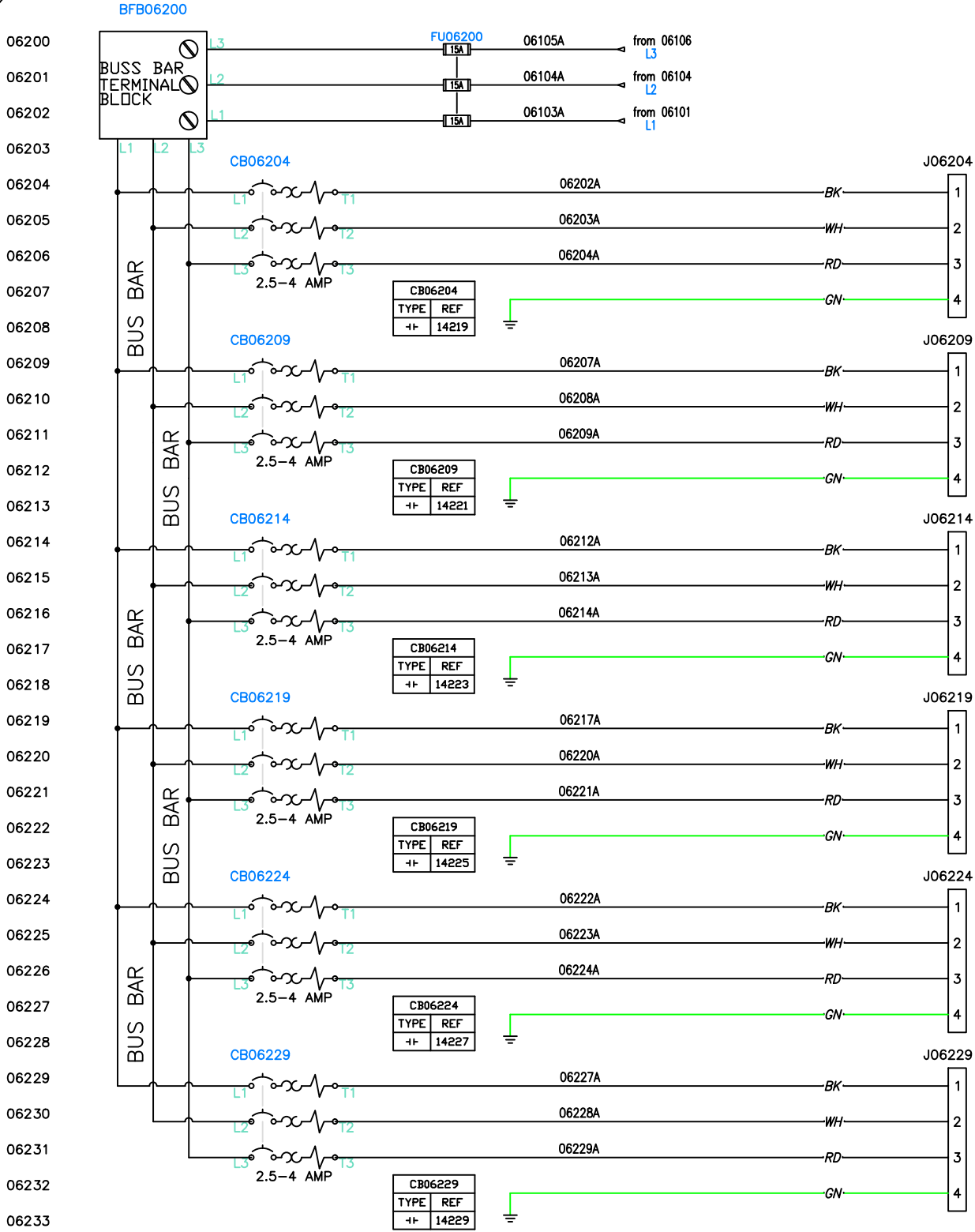
REVISION NO	NEXT PAGE
6	062

PAGE 061

061



THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE
PROPERTY OF INTELLIGRATED INC. ANY REPRODUCTION IN PART OR AS
A WHOLE WITHOUT THE WRITTEN PERMISSION OF INTELLIGRATED INC.
IS PROHIBITED

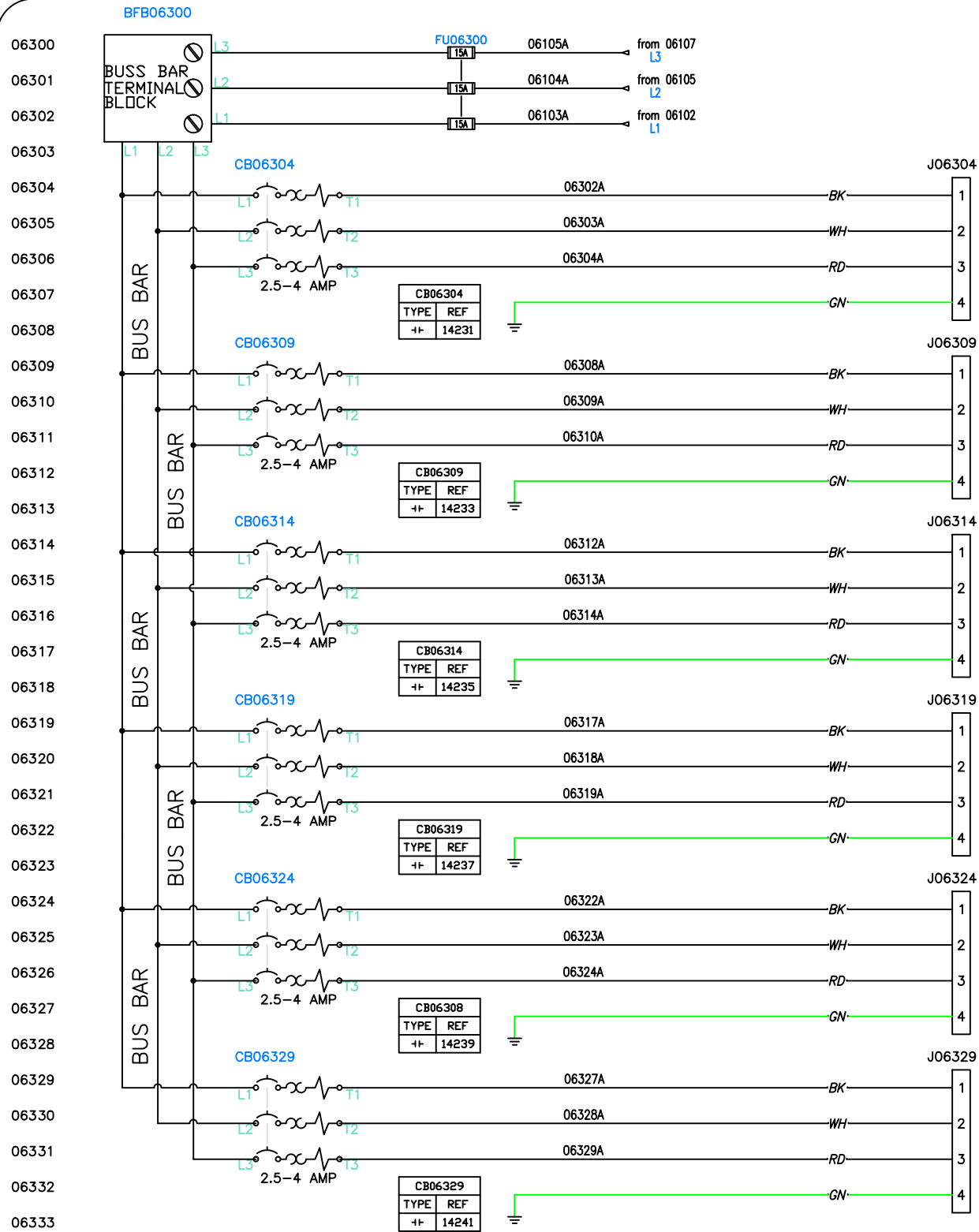


NOTE: SET ALL CB TO 2.5 AMP

NOTES: REFER TO SPECIFICATION ENC-149 FOR WIRE COLOR, UNLESS SPECIFIED

ALL INTERNAL 24V WIRING IS 18 AWG
24V WIRES (BLUE)
0V WIRES (WHITE/BLE STRIPE)

PANEL VENDOR AS-BUILTS ECO # DWG20303		06.08.2015		DLS	5
UPDATED WIREWAY ECO # DWG19825		05.12.2015		DLS	4
DIMENSIONS TO LAYOUT PAGES 251 & 259 ECO # DWG19825		04.21.2015		DLS	3
UPDATED INTERNAL AND DS06103 PART NUMBERS ECO # DWG19112		03.16.2015		DLS	2
ADDED FLA NOTE ON PAGE 61		5.12.2014		DLS	1
REVISION DESCRIPTION		REV#	REV BY	DATE	
PROPRIETARY AND CONFIDENTIAL		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGRATED INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF INTELLIGRATED INC. IS PROHIBITED			
PROJECT REFERENCES		422D613			
TITLE: STANDARD 30 AMP 12 BELT POWER PANEL		DRAWN BY:		DATE:	
480VAC POWER		DLS		11.4.2013	
INSTALLATION		PAGE	SCALE	PROPOSAL/PROJECT No.	CHECKED BY:
062		063	NTS	STANDARD	JFM
REVISION NO		NEXT PAGE			
6		063			
PAGE		062			



NOTE: SET ALL CB TO 2.5 AMP

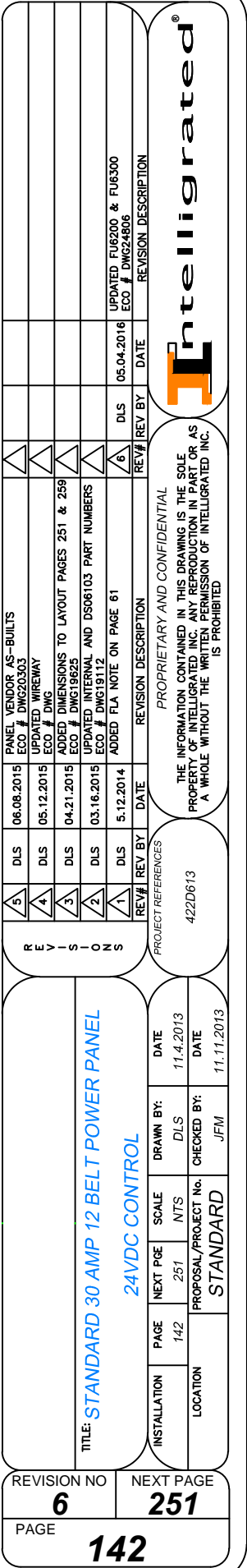
NOTES: REFER TO SPECIFICATION ENC-149 FOR WIRE COLOR, UNLESS SPECIFIED

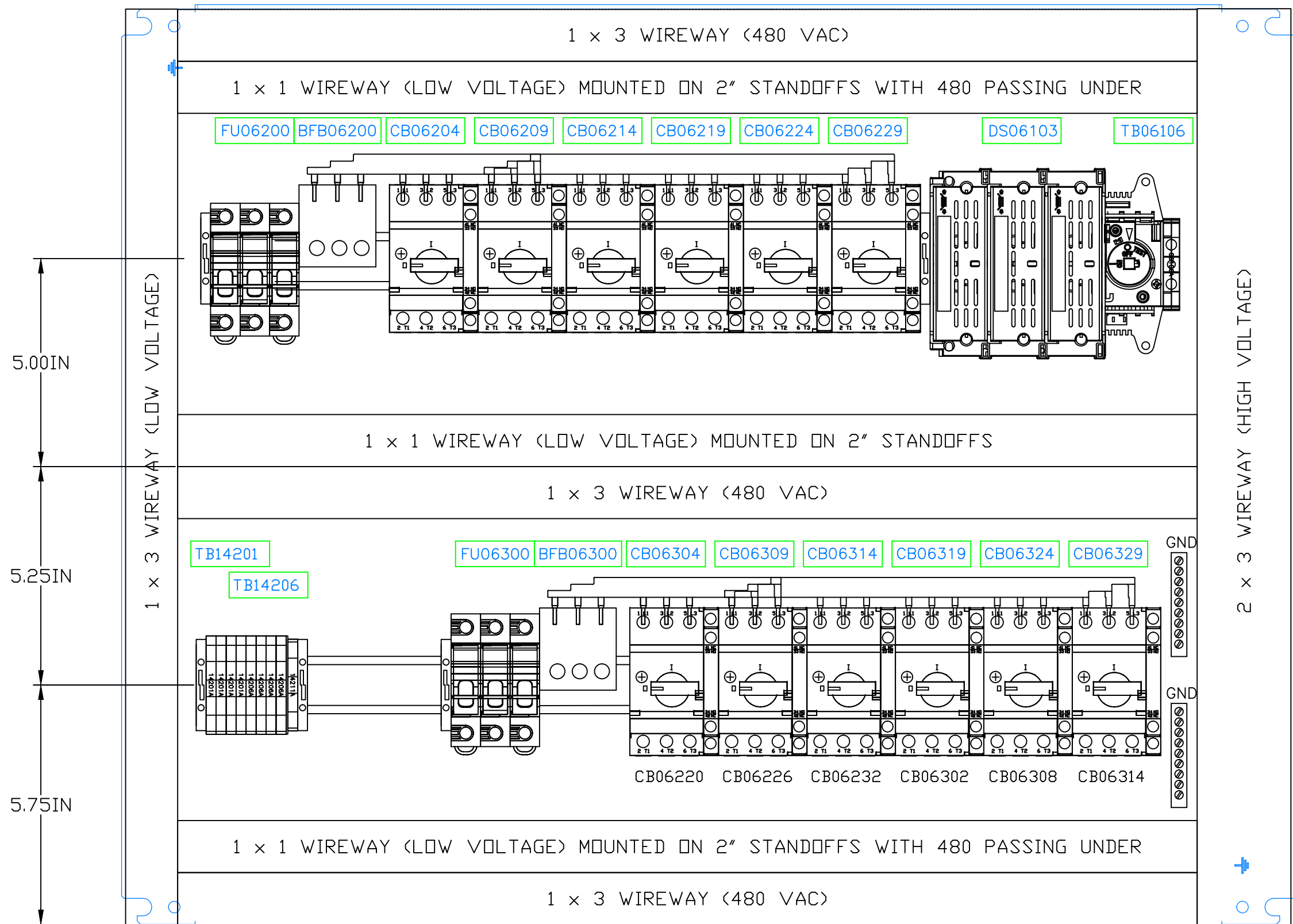
ALL INTERNAL 24V WIRING IS 18 AWG

24V WIRES (BLUE)

OV WIRES (WHITE/BLUE STRIPE)

PANEL VENDOR AS-BUILTS		ECO # DWG20303		06.08.2015		DLS	5
UPDATED WIREWAY		ECO # DWG20303		05.12.2015		DLS	4
DIMENSIONS TO LAYOUT PAGES 251 & 259		ECO # DWG19825		04.21.2015		DLS	3
UPDATED INTERNAL AND DS06103 PART NUMBERS		ECO # DWG19112		03.16.2015		DLS	2
ADDED FLA NOTE ON PAGE 61		ECO # DWG19112		5.12.2014		DLS	1
REVISION DESCRIPTION		REV#		REV BY		DATE	
PROPRIETARY AND CONFIDENTIAL		422D613		PROJECT REFERENCES		DATE	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGRATED INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF INTELLIGRATED INC. IS PROHIBITED		422D613		DATE		DATE	
480VAC POWER		STANDARD		JFM		11.11.2013	
TITLE: STANDARD 30 AMP 12 BELT POWER PANEL		SCALE		NTS		DATE	
PAGE		NEXT PAGE		DRAWN BY:		DATE	
063		142		DLS		11.4.2013	
LOCATION		PROPOSAL/PROJECT No.		CHECKED BY:		DATE	
REVISION NO		NEXT PAGE		DATE		DATE	
6		142		DLS		11.4.2013	
PAGE		063		JFM		11.11.2013	
063		142		JFM		11.11.2013	

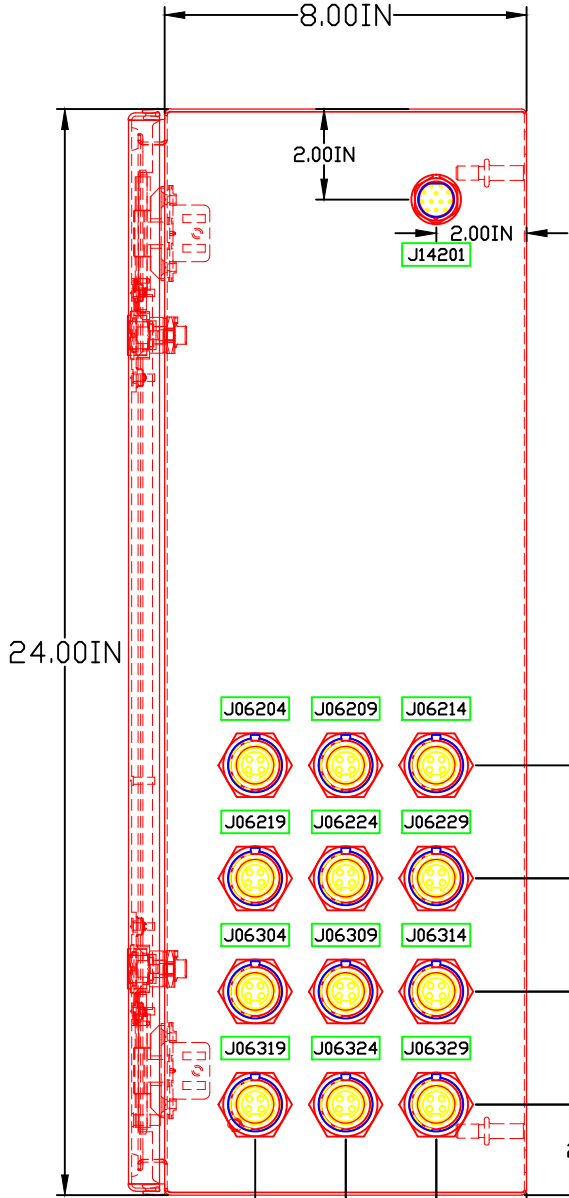
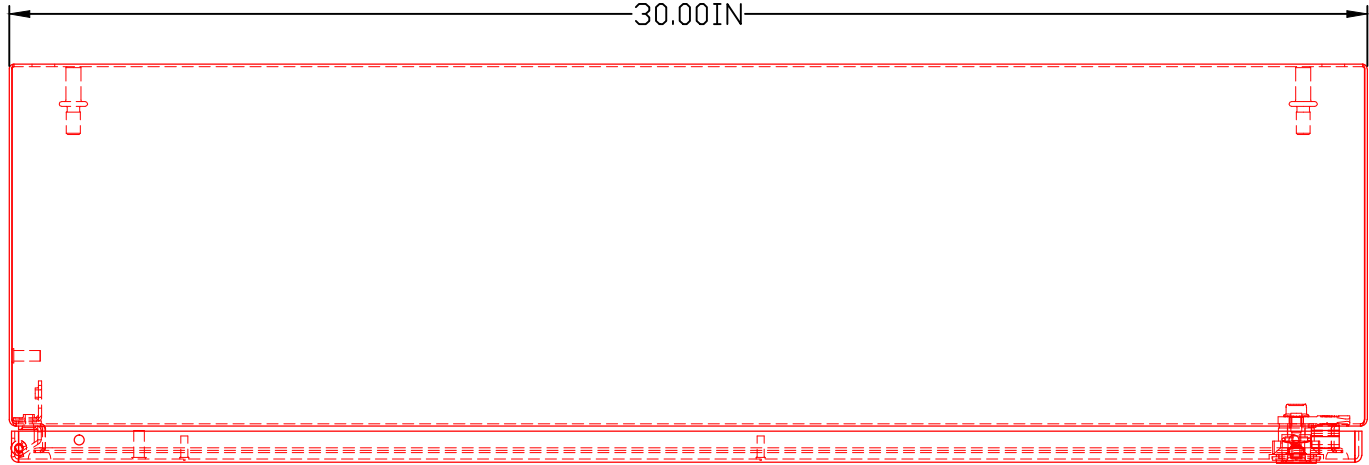




ENCLOSURE NOTES:

- 1) ADD DOOR/ENCLOSURE GROUNDING STRAP
- 2) ALL DEVICE ID TAGS TO BE WHITE 1.5 INCHES X 0.5 INCHES WITH 0.25 INCH BLACK TEXT
- 3) DIN RAIL TO BE STANDARD TS-35MM X 7.5MM
- 4) ALL WIREWAY TO BE WHITE, SIZE AS INDICATED ON LAYOUT

TITLE: STANDARD 30 AMP 12 BELT POWER PANEL									
INTERNAL LAYOUT									
INSTALLATION		PAGE	NEXT PGE	SCALE	DRAWN BY:	DATE			
LOCATION		251	259	NTS	DLS	11.4.2013			
		PROPOSAL/PROJECT No.		CHECKED BY:		DATE			
		STANDARD		JFM		11.11.2013			
REVISIONS						PROJECT REFERENCES			
REV#		REV BY		DATE		REV#		REVISION DESCRIPTION	
5		DLS		06.08.2015		6		PANEL VENDOR AS-BUILTS	
4		DLS		05.12.2015		6		ECO # DWG20303	
3		DLS		04.21.2015		6		UPDATED WIREWAY	
2		DLS		03.16.2015		6		ECO # DWG	
1		DLS		5.12.2014		6		ADDED DIMENSIONS TO LAYOUT PAGES 251 & 259	
								ECO # DWG19825	
								UPDATED INTERNAL AND DS06103 PART NUMBERS	
								ECO # DWG19112	
								ADDED FLA NOTE ON PAGE 61	
								05.04.2016	
								DLS	
								ECO # DWG24806	
								UPDATED FU6200 & FU6300	
								ECO # DWG24806	
								REVISION DESCRIPTION	
						PROPRIETARY AND CONFIDENTIAL			
						THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE			
						PROPERTY OF INTELLIGATED INC. ANY REPRODUCTION IN PART OR AS			
						A WHOLE WITHOUT THE WRITTEN PERMISSION OF INTELLIGATED INC.			
						IS PROHIBITED			
						422D613			
						REV#			
						DATE			
						DLS			
						11.4.2013			
						JFM			
						11.11.2013			
						STANDARD			
						NTS			
						259			
						251			
						6			
						259			
						251			



ENCLOSURE NOTES:

- 1) ADD DOOR/ENCLOSURE GROUNDING STRAP
- 2) ALL DEVICE ID TAGS TO BE LAMACOID WHITE 1.5 INCHES X 0.5 INCHES WITH 0.25 INCH BLACK TEXT
- 3) UTILIZE STANDARD INTELLIGRATED DANGER, ARC BLASH & CAUTION TAGS

[illegible]

AMAZON


12 BELT CROSSLADING

INDUCTION CABLING DIAGRAM



TITLE: AMAZON 12 BELT SAIDYN-CL INDUCTION CABLING DIAGRAM TITLE PAGE		DATE: 12/14/2016		DATE: 12/16/2016	
INSTALLATION	PAGE 000	NEXT PGE 001	SCALE NTS	DRAWN BY: ONH	CHECKED BY: MOB
PROPOSAL/PROJECT No.		PROJECT REFERENCES 4350236			
REVISION NO. 0		NEXT PAGE 001			
PAGE 000		000			

REV#	REV BY	DATE	REVISION DESCRIPTION	REV#	REV BY	DATE	REVISION DESCRIPTION
1				1			
2				2			
3				3			
4				4			
5				5			
6				6			
7				7			
8				8			
9				9			
10				10			
11				11			
12				12			

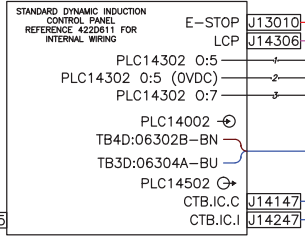
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGRATED INC. ANY REUSE OR REPRODUCTION OF THIS INFORMATION WITHOUT THE WRITTEN PERMISSION OF INTELLIGRATED INC. IS PROHIBITED.



PAGE	DESCRIPTION
000	TITLE PAGE
001	TABLE OF CONTENTS
072	480 VAC INDUCTION CABLING
074	24VDC INDUCTION CABLING
075	PROFIBUS INDUCTION CABLING
076	IP-LINK INDUCTION LAYOUT
078	PEC INDUCTION CABLING
079	PEC INDUCTION CABLING
971	BILL OF MATERIAL
972	BILL OF MATERIAL
973	BILL OF MATERIAL
974	BILL OF MATERIAL

TITLE: AMAZON 12 BELT SAIDYN-CL INDUCTION CABLING DIAGRAM TABLE OF CONTENTS		PROJECT REFERENCE: 4350236		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGRATED INC. NO PART OF THIS DRAWING OR ANY INFORMATION HEREIN IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF INTELLIGRATED INC.					
INSTALLATION LOCATION	NEXT PGE 001	SCALE NTS	DRAWN BY: ONH	DATE 12/14/2016	REV# 0	REV BY 	DATE 	REVISION DESCRIPTION 	
REVISION NO 0		NEXT PAGE 072		PROJECT REFERENCE 4350236		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGRATED INC. NO PART OF THIS DRAWING OR ANY INFORMATION HEREIN IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF INTELLIGRATED INC.			
PAGE 001									

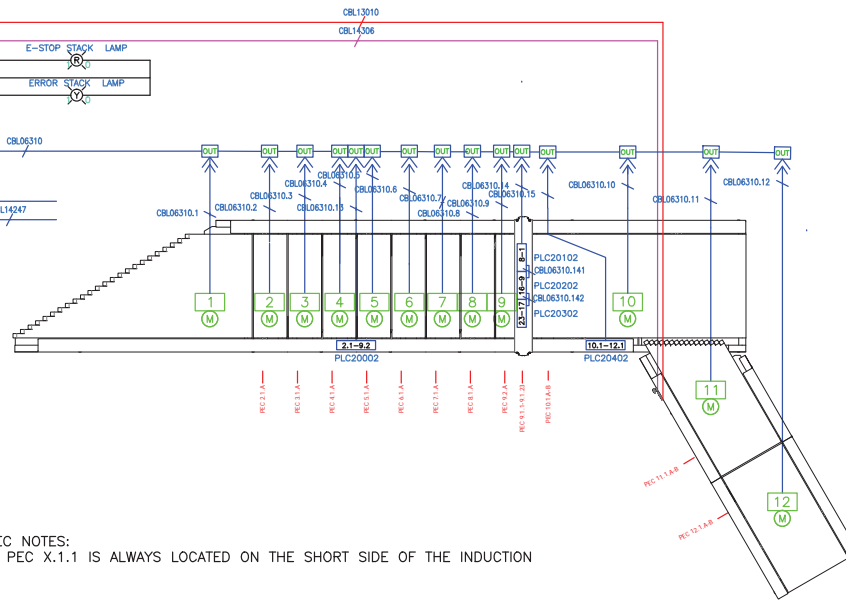
I/O PANEL



POWER PANEL

STANDARD 12 BELT INDUCTION POWER PANE	BELT 1	J06204
REFERENCE 4220613 FOR INTERNAL WIRING	BELT 2	J06209
	BELT 3	J06214
	BELT 4	J06219
	BELT 5	J06224
	BELT 6	J06229
	BELT 7	J06304
	BELT 8	J06309
	BELT 9	J06314
	BELT 10	J06319
	BELT 11	J06324
	BELT 12	J06329

PEC NOTES:
1. PEC X.1.1 IS ALWAYS LOCATED ON THE SHORT SIDE OF THE INDUCTION



LEGEND

OUT INSULATION DISPLACEMENT CONNECTOR
PIN 1 = BROWN
PIN 3 = BLUE

Female Connector Out
Male Cable Out

X COMBINATION MOTOR WITH VFD
M = MOTOR

REFERENCE

PAGE 72 480VAC LAYOUT
PAGE 74 24VDC LAYOUT
PAGE 75 PROFIBUS LAYOUT
PAGE 76 IP-LINK LAYOUT
PAGE 78-79 PEC LAYOUT

TAG	DESCRIPTION	CATALOG	MFG	INTERNAL #	QTY
CBL06310.1	AS-1 PLUG CABLE	424002	FM	4150363	15
CBL06310.1	AS-1 INSULATION DISPLACEMENT CONNECTOR	425005	FM	4150364	1
CBL06310.1	CABLE, M12 5 PIN MALE TO M12 8 PIN FEMALE	4220693.0200	INTELLIGRATED	4220693.0200	1
CBL06310.10	AS-1 INSULATION DISPLACEMENT CONNECTOR	425005	FM	4150364	1
CBL06310.10	CABLE, M12 5 PIN MALE TO M12 8 PIN FEMALE	4220693.0200	INTELLIGRATED	4220693.0200	1
CBL06310.11	AS-1 INSULATION DISPLACEMENT CONNECTOR	425005	FM	4150364	1
CBL06310.11	CABLE, M12 5 PIN MALE TO M12 8 PIN FEMALE	4220693.0200	INTELLIGRATED	4220693.0200	1
CBL06310.12	AS-1 INSULATION DISPLACEMENT CONNECTOR	425005	FM	4150364	1
CBL06310.12	CABLE, M12 5 PIN MALE TO M12 8 PIN FEMALE	4220693.0200	INTELLIGRATED	4220693.0200	1
CBL06310.13	AS-1 INSULATION DISPLACEMENT CONNECTOR	425005	FM	4150364	1
CBL06310.13	CABLE, BECKHOFF 24VDC	4150084.0030	INTELLIGRATED	4150084.0030	1
CBL06310.14	POWER CABLE STRAIGHT SOCKET TO STRAIGHT PLUG MB, 4PIN, 1.0 M	292020-3132-0010	BECKHOFF	4110859	1
CBL06310.14	AS-1 INSULATION DISPLACEMENT CONNECTOR	425005	FM	4150364	1
CBL06310.14	CABLE, BECKHOFF 24VDC	4150084.0030	INTELLIGRATED	4150084.0030	1
CBL06310.141	POWER CABLE STRAIGHT SOCKET TO STRAIGHT PLUG MB, 4PIN, 4.0 M	292020-3132-0045	BECKHOFF	4110860	1
CBL06310.141	POWER CABLE STRAIGHT SOCKET TO STRAIGHT PLUG MB, 4PIN, 0.5 M	292020-3132-0005	BECKHOFF	4110861	1
CBL06310.142	POWER CABLE STRAIGHT SOCKET TO STRAIGHT PLUG MB, 4PIN, 0.5 M	292020-3132-0005	BECKHOFF	4110861	1
CBL06310.15	AS-1 INSULATION DISPLACEMENT CONNECTOR	425005	FM	4150364	1
CBL06310.15	CABLE, BECKHOFF 24VDC	4150084.0030	INTELLIGRATED	4150084.0030	1
CBL06310.15	POWER CABLE STRAIGHT SOCKET TO STRAIGHT PLUG MB, 4PIN, 1.0 M	292020-3132-0010	BECKHOFF	4110859	1
CBL06310.2	AS-1 INSULATION DISPLACEMENT CONNECTOR	425005	FM	4150364	1
CBL06310.2	CABLE, M12 5 PIN MALE TO M12 8 PIN FEMALE	4220693.0200	INTELLIGRATED	4220693.0200	1

TAG	DESCRIPTION	CATALOG	MFG	INTERNAL #	QTY
CBL06310.3	AS-1 INSULATION DISPLACEMENT CONNECTOR	425005	FM	4150364	1
CBL06310.3	CABLE, M12 5 PIN MALE TO M12 8 PIN FEMALE	4220693.0200	INTELLIGRATED	4220693.0200	1
CBL06310.4	AS-1 INSULATION DISPLACEMENT CONNECTOR	425005	FM	4150364	1
CBL06310.4	CABLE, M12 5 PIN MALE TO M12 8 PIN FEMALE	4220693.0200	INTELLIGRATED	4220693.0200	1
CBL06310.5	AS-1 INSULATION DISPLACEMENT CONNECTOR	425005	FM	4150364	1
CBL06310.5	CABLE, M12 5 PIN MALE TO M12 8 PIN FEMALE	4220693.0200	INTELLIGRATED	4220693.0200	1
CBL06310.6	AS-1 INSULATION DISPLACEMENT CONNECTOR	425005	FM	4150364	1
CBL06310.6	CABLE, M12 5 PIN MALE TO M12 8 PIN FEMALE	4220693.0200	INTELLIGRATED	4220693.0200	1
CBL06310.7	AS-1 INSULATION DISPLACEMENT CONNECTOR	425005	FM	4150364	1
CBL06310.7	CABLE, M12 5 PIN MALE TO M12 8 PIN FEMALE	4220693.0200	INTELLIGRATED	4220693.0200	1
CBL06310.8	AS-1 INSULATION DISPLACEMENT CONNECTOR	425005	FM	4150364	1
CBL06310.8	CABLE, M12 5 PIN MALE TO M12 8 PIN FEMALE	4220693.0200	INTELLIGRATED	4220693.0200	1
CBL06310.9	AS-1 INSULATION DISPLACEMENT CONNECTOR	425005	FM	4150364	1
CBL06310.9	CABLE, M12 5 PIN MALE TO M12 8 PIN FEMALE	4220693.0200	INTELLIGRATED	4220693.0200	1
CBL13010	8 METER 8 PIN EURO DRIVE I/O CABLE	4220693.0200	INTELLIGRATED	4220693.0200	1
CBL14105	CABLE, 1/0 18 PIN, 423	4220693.0200	INTELLIGRATED	4220693.0200	1
CBL14147	CABLE IND C18-00	4050786.1000	INTELLIGRATED	4050786.1000	1
CBL14247	CABLE IND C18-00	4050786.1000	INTELLIGRATED	4050786.1000	1
CBL14306	8 METER 8 PIN EURO DRIVE I/O CABLE	4220693.0200	INTELLIGRATED	4220693.0200	1
CBL14367	CABLE, 5/16WAG TRAYFLEX TRAY CABLE - UL/CSA	221805	DELUXE	221805	15
PLC20002	EXTENSION BOX 8 X INPUT 8 X MB - 3PIN SCREW CONNECTOR	E1001	BECKHOFF	1744755	1
PLC20102	EXTENSION BOX 8 X INPUT 8 X MB - 3PIN SCREW CONNECTOR	E1001	BECKHOFF	1744755	1
PLC20202	EXTENSION BOX 8 X INPUT 8 X MB - 3PIN SCREW CONNECTOR	E1001	BECKHOFF	1744755	1
PLC20302	EXTENSION BOX 8 X INPUT 8 X MB - 3PIN SCREW CONNECTOR	E1001	BECKHOFF	1744755	1
PLC20402	EXTENSION BOX 8 X INPUT 8 X MB - 3PIN SCREW CONNECTOR	E1001	BECKHOFF	1744755	1

REQUIRED CABLE LABELS

LABEL 1	TAG	LABEL 2
CBL13010	CBL13010	CBL13010
CBL14105	CBL14105	CBL14105
CBL14147	CBL14147	CBL14147
CBL14247	CBL14247	CBL14247
CBL14306	CBL14306	CBL14306
CBL06310	CBL06310	CBL06310
CBL06310.1	CBL06310.1	CBL06310.1
CBL06310.2	CBL06310.2	CBL06310.2
CBL06310.3	CBL06310.3	CBL06310.3

REQUIRED CABLE LABELS

LABEL 1	TAG	LABEL 2
CBL06310.4	CBL06310.4	CBL06310.4
CBL06310.5	CBL06310.5	CBL06310.5
CBL06310.6	CBL06310.6	CBL06310.6
CBL06310.7	CBL06310.7	CBL06310.7
CBL06310.8	CBL06310.8	CBL06310.8
CBL06310.9	CBL06310.9	CBL06310.9
CBL06310.10	CBL06310.10	CBL06310.10
CBL06310.11	CBL06310.11	CBL06310.11
CBL06310.12	CBL06310.12	CBL06310.12

REQUIRED CABLE LABELS

LABEL 1	TAG	LABEL 2
CBL06310.13	CBL06310.13	CBL06310.13
CBL06310.14	CBL06310.14	CBL06310.14
CBL06310.141	CBL06310.141	CBL06310.141
CBL06310.142	CBL06310.142	CBL06310.142
CBL06310.15	CBL06310.15	CBL06310.15

REQUIRED DEVICE LABELS

PLC20002	PLC20102	PLC20202
PLC20302	PLC20402	PEC SEE PAGE 078

AMAZON 12 BELT SA-DYN-CL
INDUCTION CABLING DIAGRAM
24VDC INDUCTION CABLING

REVISION NO 0
PAGE 074

DATE 12/14/2016
DRAWN BY: NTS
CHECKED BY: MCB
DATE 12/16/2016

074

Intelligrated®

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGRATED. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF INTELLIGRATED, INC.

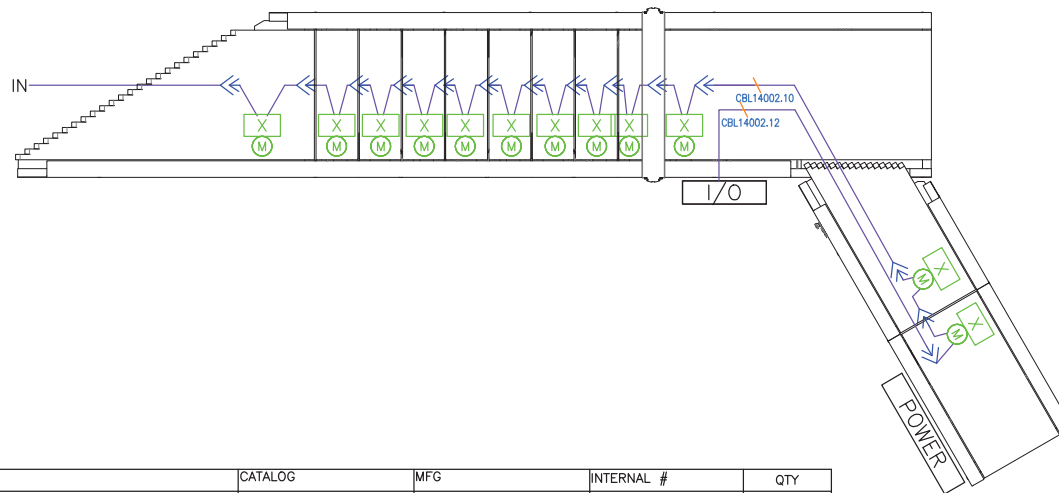
PROJECT REFERENCE 4350236

I/O PANEL

STANDARD DYNAMIC INDUCTION
CONTROL PANEL
REFERENCE 422D611 FOR
INTERNAL WIRING

INT14002 OUT
INT14002 IN FROM BELT 12

PROFIBUS IN AND OUT
REFERENCE SITE SPECIFIC
DRAWING FOR PROFIBUS LAYOUT
& NODE ADDRESS



TAG	DESCRIPTION	CATALOG	MFG	INTERNAL #	QTY
CBL14002.10	CABLE, PROFIBUS EXTENSION	RSSW RKSX 455-6	TURCK	415D528.0600	1
CBL14002.12	CABLE, PROFIBUS MALE TO FLYING LEADS	RSSW 455-10	TURCK	417D547.1000	1

REQUIRED CABLE LABELS

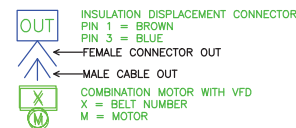


LABEL 1	TAG	LABEL 2
CBL14002.10	CBL14002.10	CBL14002.10
CBL14002.12	CBL14002.12	CBL14002.12

NOTES:

- 1) ALL CABLES & DEVICES ARE TO BE LABELED DURING FINAL ASSEMBLY
- 2) CUT CBL14002.12 TO LENGTH DURING FINAL ASSEMBLY

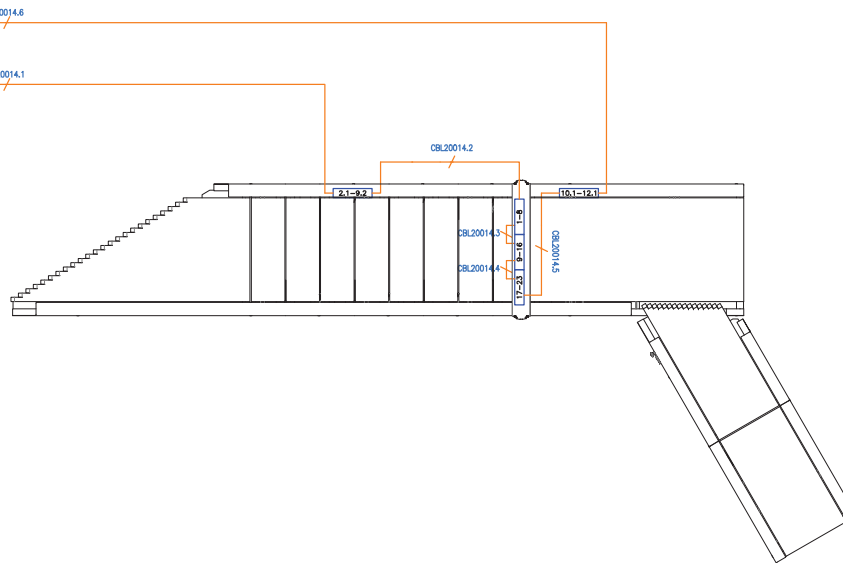
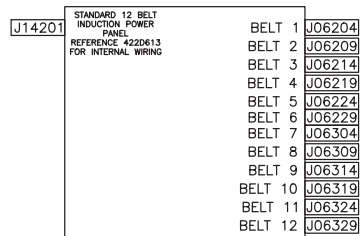
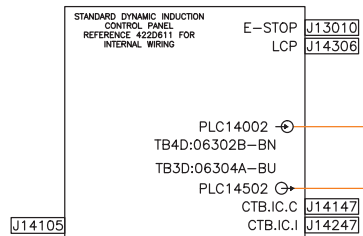
LEGEND



REFERENCE

PAGE 72 480VAC LAYOUT
PAGE 74 24VDC LAYOUT
PAGE 75 PROFIBUS LAYOUT
PAGE 76 IP-LINK LAYOUT
PAGE 78-79 PEC LAYOUT

Intel Integrated®	
TITLE: AMAZON 12 BELT CROSSLADING INDUCTION CABLING DIAGRAM PROFIBUS INDUCTION CABLING	PROJECT REFERENCE: 4350236 DATE: 12/14/2016 DRAWN BY: OH CHECKED BY: JFM PROPOSAL/PROJECT No. M-16-00155
REVISION NO: 0 PAGE: 075	NEXT PAGE: 076 DATE: 03/19/2015



TAG	DESCRIPTION	CATALOG	MFG	INTERNAL #	QTY
CBL20014.1	PRE-ASSEMBLED CABLE, IP LINK, 4.0 METER	ZK1020-0101-0040	BECKHOFF	412D486.0400	1
CBL20014.2	PRE-ASSEMBLED CABLE, IP LINK, 5.0 METER	ZK1020-0101-0050	BECKHOFF	412D486.0500	1
CBL20014.3	PRE-ASSEMBLED CABLE, IP LINK, 0.5 METER	ZK1020-0101-0005	BECKHOFF	174A461.0050	1
CBL20014.4	PRE-ASSEMBLED CABLE, IP LINK, 0.5 METER	ZK1020-0101-0005	BECKHOFF	174A461.0050	1
CBL20014.5	PRE-ASSEMBLED CABLE, IP LINK, 4.0 METER	ZK1020-0101-0040	BECKHOFF	412D486.0400	1
CBL20014.6	PRE-ASSEMBLED CABLE, IP LINK, 3.0 METER	ZK1020-0101-0030	BECKHOFF	412D486.0300	1

REQUIRED CABLE LABELS



LABEL 1	TAG	LABEL 2
CBL20014.1	CBL20014.1	CBL20014.1
CBL20014.2	CBL20014.2	CBL20014.2
CBL20014.3	CBL20014.3	CBL20014.3
CBL20014.4	CBL20014.4	CBL20014.4
CBL20014.5	CBL20014.5	CBL20014.5
CBL20014.6	CBL20014.6	CBL20014.6

NOTES:

- 1) ALL CABLES & DEVICES ARE TO BE LABELED DURING FINAL ASSEMBLY

LEGEND

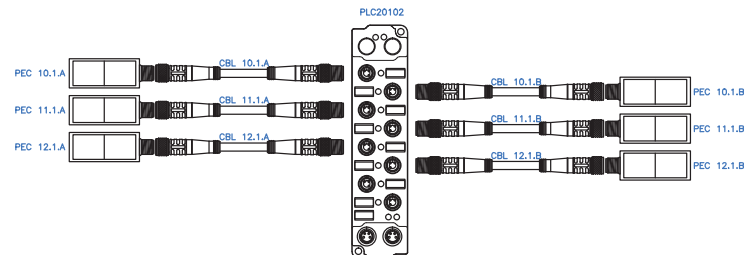
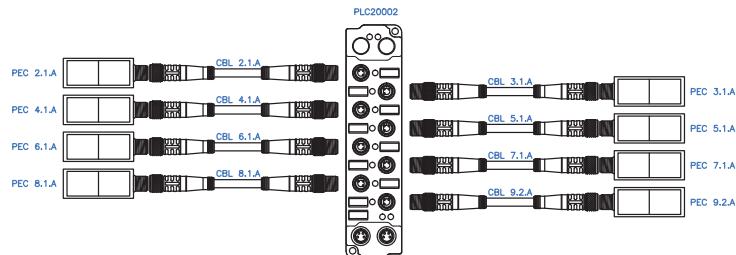
OUT INSULATION DISPLACEMENT CONNECTOR
PIN 1 = BROWN
PIN 3 = BLUE

FEMALE CONNECTOR OUT
MALE CABLE OUT

REFERENCE

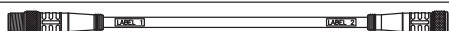
PAGE 72 480VAC LAYOUT
PAGE 74 24VDC LAYOUT
PAGE 75 PROFIBUS LAYOUT
PAGE 76 IP-LINK LAYOUT
PAGE 78-79 PEC LAYOUT

TITLE		AMAZON 12 BELT SA-DYN-CL INDUCTION CABLING DIAGRAM IP-LINK INDUCTION CABLING	
REVISION NO	0	NEXT PAGE	078
PAGE	076		
DATE		12/14/2016	12/16/2016
DATE	12/14/2016	DATE	12/16/2016
DRAWN BY:	ONH	CHECKED BY:	MOB
SCALE	NTS	PROPOSAL/PROJECT NO.	
PAGE	078		
INSTALLATION	LOCATION		
<p>REVISION DESCRIPTION</p> <p>PROPRIETARY AND CONFIDENTIAL</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGRATED INC. NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF INTELLIGRATED INC.</p>			
<p>Intellegriated®</p>			



TAG	DESCRIPTION	CATALOG	MFG	INTERNAL #	QTY
CBL X.1.A & B	CABLE, 4 PIN THREADED FEMALE, 3 PIN THREADED MALE	PKG 4M-4-PSG 3M	TURCK	415D926.0400	14
PEC X.X.X	PEC RETRO SENSOR W/M8 4PIN TRANSPARENT OBJECTS	GL6G-P4211 (1059632)	SICK	420D916	14

REQUIRED CABLE LABELS



LABEL 1	TAG	LABEL 2
CBL 2.1.A	CBL 7.1.A	CBL 11.1.A
CBL 3.1.A	CBL 8.1.A	CBL 11.1.B
CBL 4.1.A	CBL 9.2.A	CBL 12.1.A
CBL 5.1.A	CBL 10.1.A	CBL 12.1.B
CBL 6.1.A	CBL 10.1.B	

REQUIRED DEVICE LABELS

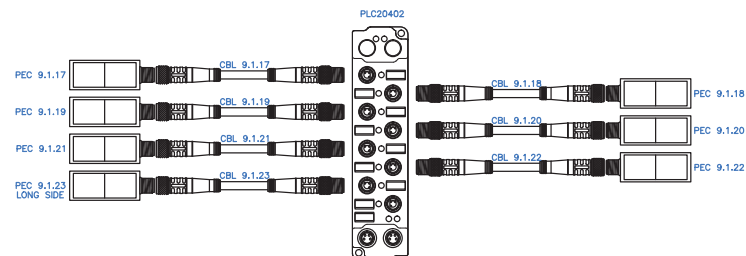
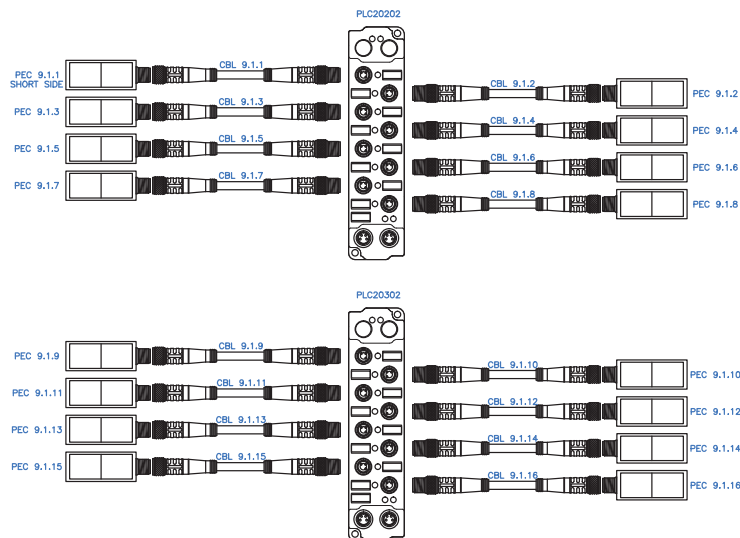
PEC 2.1.A	PEC 7.1.A	PEC 11.1.A
PEC 3.1.A	PEC 8.1.A	PEC 11.1.B
PEC 4.1.A	PEC 9.2.A	PEC 12.1.A
PEC 5.1.A	PEC 10.1.A	PEC 12.1.B
PEC 6.1.A	PEC 10.1.B	

NOTES:

- 1) ALL CABLES & DEVICES ARE TO BE LABELED DURING FINAL ASSEMBLY
- 2) PEC X.1.1 IS ALWAYS LOCATED ON THE SHORT SIDE OF THE INDUCTION
- 3) FOR DOUBLE STACKED PEC, A IS THE LOWER & B IS THE UPPER

TITLE: AMAZON 12 BELT SAIDYN-CL INDUCTION CABLING DIAGRAM PEC INDUCTION CABLING		DATE: 12/14/2016	DATE: 12/16/2016
INSTALLATION LOCATION	PAGE 078	NEXT PAGE 079	DATE 12/16/2016
REVISION NO 0		NEXT PAGE 079	
PAGE 078		078	

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGATED INC. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF INTELLIGATED INC.



TAG	DESCRIPTION	CATALOG	MFG	INTERNAL #	QTY
CBL X.X.X	CABLE, 4 PIN THREADED FEMALE, 3 PIN THREADED MALE	PKG 4M-0.5-PSG 3M	TURCK	415D926.0050	23
PEC X.X.X	PEC RETRO SENSOR W/M8 4PIN TRANSPARENT OBJECTS	GL6G-P4211 (1059632)	SICK	420D916	23

REQUIRED CABLE LABELS

LABEL 1	TAG	LABEL 2
CBL 9.1.1	CBL 9.1.1	CBL 9.1.1
CBL 9.1.2	CBL 9.1.2	CBL 9.1.2
CBL 9.1.3	CBL 9.1.3	CBL 9.1.3
CBL 9.1.4	CBL 9.1.4	CBL 9.1.4
CBL 9.1.5	CBL 9.1.5	CBL 9.1.5
CBL 9.1.6	CBL 9.1.6	CBL 9.1.6
CBL 9.1.7	CBL 9.1.7	CBL 9.1.7
CBL 9.1.8	CBL 9.1.8	CBL 9.1.8
CBL 9.1.9	CBL 9.1.9	CBL 9.1.9
CBL 9.1.10	CBL 9.1.10	CBL 9.1.10
CBL 9.1.11	CBL 9.1.11	CBL 9.1.11
CBL 9.1.12	CBL 9.1.12	CBL 9.1.12

REQUIRED CABLE LABELS

LABEL 1	TAG	LABEL 2
CBL 9.1.13	CBL 9.1.13	CBL 9.1.13
CBL 9.1.14	CBL 9.1.14	CBL 9.1.14
CBL 9.1.15	CBL 9.1.15	CBL 9.1.15
CBL 9.1.16	CBL 9.1.16	CBL 9.1.16
CBL 9.1.17	CBL 9.1.17	CBL 9.1.17
CBL 9.1.18	CBL 9.1.18	CBL 9.1.18
CBL 9.1.19	CBL 9.1.19	CBL 9.1.19
CBL 9.1.20	CBL 9.1.20	CBL 9.1.20
CBL 9.1.21	CBL 9.1.21	CBL 9.1.21
CBL 9.1.22	CBL 9.1.22	CBL 9.1.22
CBL 9.1.23	CBL 9.1.23	CBL 9.1.23

REQUIRED DEVICE LABELS

PEC 9.1.1	PEC 9.1.9	PEC 9.1.17
PEC 9.1.2	PEC 9.1.10	PEC 9.1.18
PEC 9.1.3	PEC 9.1.11	PEC 9.1.19
PEC 9.1.4	PEC 9.1.12	PEC 9.1.20
PEC 9.1.5	PEC 9.1.13	PEC 9.1.21
PEC 9.1.6	PEC 9.1.14	PEC 9.1.22
PEC 9.1.7	PEC 9.1.15	PEC 9.1.23
PEC 9.1.8	PEC 9.1.16	

NOTES:

- 1) ALL CABLES & DEVICES ARE TO BE LABELED DURING FINAL ASSEMBLY
- 2) PEC X.1.1 IS ALWAYS LOCATED ON THE SHORT SIDE OF THE INDUCTION
- 3) FOR DOUBLE STACKED PEC, A IS THE LOWER & B IS THE UPPER

Inteligrated® <small>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELIQRATED. NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF INTELIQRATED, INC.</small>	
TITLE: AMAZON 12 BELT SAIDYN-CL INDUCTION CABLING DIAGRAM PEC INDUCTION CABLING	REVISION NO: 0 PAGE: 079
DATE: 12/14/2016 DRAWN BY: ONH CHECKED BY: MOB PROPOSAL/PROJECT No.	REVISION DESCRIPTION:
DATE: 12/16/2016 DATE:	DATE:

AMAZON		
PARAMETER	BELTS 1-12	DESCRIPTION
004	MULTI SETUP	ACTIVE SETUP
108	6.61	STATOR RESISTANCE
109	117.5	STATOR REACTANCE
133	30	START VOLTAGE
134	150	LOAD COMPENSATION
135	7.62	U/F RATIO
136	80	SLIP COMPENSATION
142	8.85	LEAKAGE REACTANCE
200	132Hz BOTH	FREQUENCY RANGE/ROTATION
202	100	MAX FREQUENCY
203	-MAX-+MAX	REFERENCE RANGE
205	100	MAX FREQUENCY
207	0.61	RAMP UP TIME 1
208	0.61	RAMP DOWN TIME 1
209	0.61	RAMP UP TIME 2
210	0.61	RAMP DOWN TIME 2
214	EXTERNAL/ PRESET	REFERENCE FUNCTION
302	NO FUNCTION	DIGITAL INPUT 18
303	NO FUNCTION	DIGITAL INPUT 19
304	NO FUNCTION	DIGITAL INPUT 27
305	NO FUNCTION	DIGITAL INPUT 29
307	NO FUNCTION	DIGITAL INPUT 33
323	NO FUNCTION	RELAY 1-3 FUNCTION
405	RESET AT POWERUP	RESET MODE
411	14,000	SWITCH FREQUENCY
512	FC PROFILE	TELEGRAM PROFILE
804	STOP	TIME OUT FUNCTION
805	BIT 10 = 0	BIT 10 FUNCTION
904	PPO 3	PPO TYPE SELECT
918	REFERENCE PROFIBUS LAYOUT	STATION ADDRESS

TITLE: AMAZON 12 BELT SAIDYN-CL INDUCTION CABLING DIAGRAM VFD PARAMETERS		DATE: 12/14/2016	
INSTALLATION	PAGE 900	DRAWN BY: ONH	CHECKED BY: MOB
LOCATION	PROPOSAL/PROJECT No.	DATE: 12/16/2016	
REVISION NO	0	NEXT PAGE	971
PAGE		900	

REV	BY	DATE	DESCRIPTION
1	ONH	12/14/2016	PROPRIETARY AND CONFIDENTIAL
2	ONH	12/14/2016	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE
3	ONH	12/14/2016	PROPERTY OF INTELLIGRATED INC. NO PART OF THIS DRAWING
4	ONH	12/14/2016	IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY
5	ONH	12/14/2016	MEANS, WITHOUT THE WRITTEN PERMISSION OF INTELLIGRATED INC.

