

LS4000 LSM 480VAC PANEL
WITH PROFIBUS
(ROTARY FUSED DISCONNECT)

[illegible]

PAGE	DESCRIPTION
000	TITLE PAGE
001	TABLE OF CONTENTS
061	POWER AND CONTROL SUPPLY
066	INVERTER CONNECTION
067	RELAY CONTROL
131	EXTERNAL SIGNAL FOR JOG MODE
142	INPUT
143	OUTPUT
251	INTERNAL LAYOUT
259	EXTERNAL LAYOUT
970	BILL OF MATERIAL
971	BILL OF MATERIAL

REVISION NO
3

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LSM POWER PANEL W/PROFIBUS, ROTARY DISC.
LS4000
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INSTALLATION
LOCATION

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001

NEXT PGE
061

SCALE

PROPOSAL/PROJECT No.
STANDARD

DRAWN BY:
NLA

CHECKED BY:
JFM

DATE
07.05.2013

DATE
07.17.2013

REV#

REV BY

DATE

REVISION DESCRIPTION

3

NLA

11.11.2014

LAMACOID LABEL ADDED TO EXTERNAL LAYOUT (DWG17798)

2

NLA

06.04.2014

CABLE LAMP2170264 ADDED TO BOM, UPDATED SCHEMATIC P.142

1


NLA

03.12.2014

UPDATED CB 1489-A1C040 TO 1489-M1C040 AND AUX 1489-AAH13 TO 1489-AMRA3(DWG14689)

PROJECT REFERENCES
420D188

PROPRIETARY AND CONFIDENTIAL
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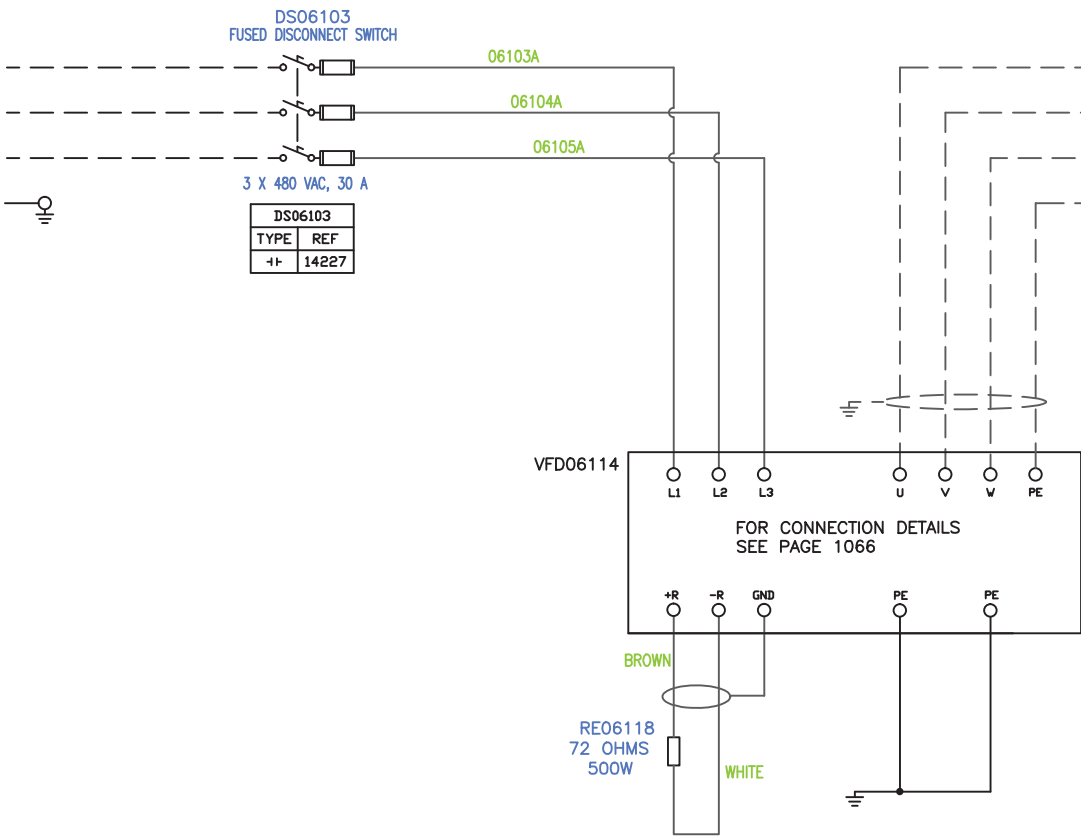
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NOTE:
CABLE SHIELD TO BE TERMINATED
AT JB-LSM BY EMC CABLE GLAND
PER GLAND MANUFACTURER'S INSTRUCTION

JB LSM

LSM ASSEMBLY

FROM MAIN POWER



FOR CONNECTION DETAILS
SEE PAGE 1066

NOTE:
CABLE SHIELD TO BE TERMINATED
AT VFD BY LOW IMPEDANCE CLAMP
PER DRIVE MANUFACTURER'S INSTRUCTION

BRAKE
RESISTOR

WARNING!
VOLTAGE UP
TO 800V

NOTES: REFER TO SPECIFICATION
ENC-149 FOR WIRE COLOR

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

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PAGE 061		PAGE 061	
LOCATION		PROPOSAL/PROJECT No. STANDARD	
DRAWN BY: NLA		CHECKED BY: JFM	
DATE 07.05.2013		DATE 07.17.2013	
PROJECT REFERENCES 420D188			
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REVISION DESCRIPTION			
REV#	REV BY	DATE	REVISION DESCRIPTION
1	NLA	03.12.2014	UPDATED CB 1489-AHH3 TO 1489-AMRA3(DWG14889)
2	NLA	06.04.2014	UPDATED SCHEMATIC P.142
3	NLA	11.11.2014	UNACQID LABEL ADDED TO EXTERNAL LAYOUT (DWG17798) CABLE 1489-AMRA3 ADDED TO BOM.

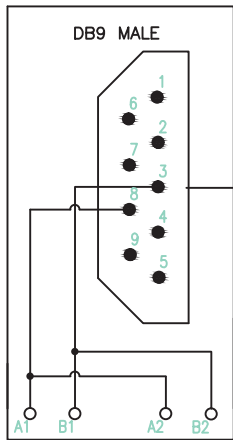
LSM POWER PANEL W/PROFIBUS, ROTARY DISC.
LS4000
POWER AND CONTROL SUPPLY

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ENCODER CONNECTION
"FROM LSM ASSEMBLY"
(FIELD INSTALLED)

PROFIBUS
PLUG

PL06622



PROFIBUS CONNECTION
IN AND OUT
SEE IO LIST FOR SOURCE
AND DESTINATION
(FIELD INSTALLED)

INT06605
PROFIBUS INTERFACE MODULE
GATEWAY

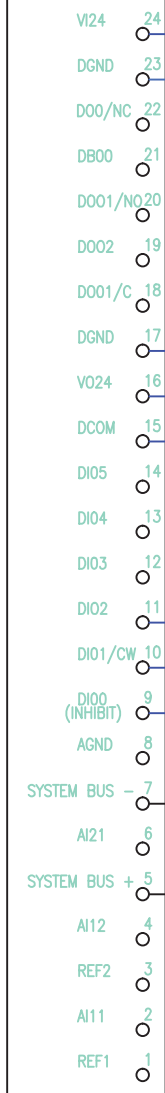
X26

X30
DB9 FEMALE

VFD06114
FREQUENCY INVERTER

X15
DB9 FEMALE

X10



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06704A

06602A

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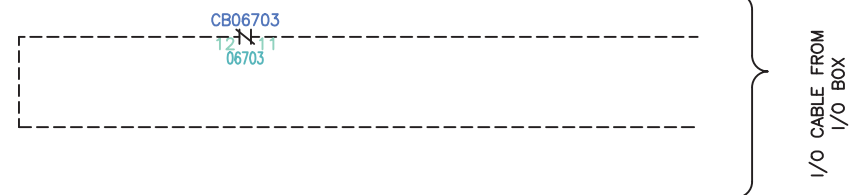
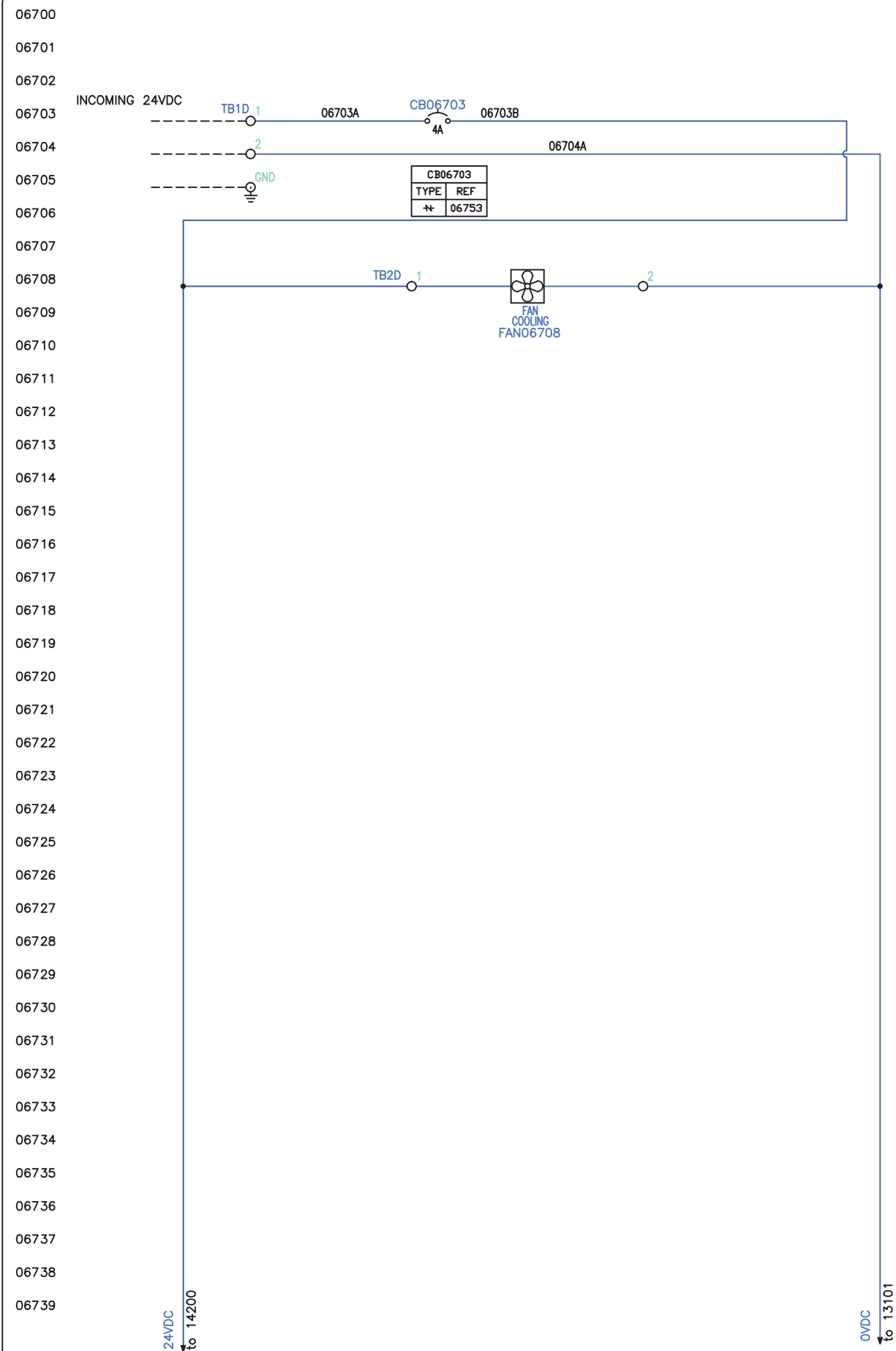
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TITLE		L SM POWER PANEL W/PROFIBUS; ROTARY DISC. LS4000 RELAY CONTROL	
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LOCATION	067	131	
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CHECKED BY:		DATE	
JFM		07.17.2013	
PROPOSAL/PROJECT No. STANDARD			

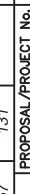
PROJECT REFERENCES			
420D/188			

REVIEWS			
△	△	△	△
3	NLA	11.11.2014	LAMACOID LABEL ADDED TO EXTERNAL LAYOUT (DWG17798)
2	NLA	06.04.2014	UPDATE 177984, ADDED TO BOM, UPDATED SCHEMATIC P.142
1	NLA	03.12.2014	UPDATED CB 1489-A1C040 TO 1489-A1C040 AND AUX 1489-AAH3 TO 1489-AMRA3(DWG14688)

REV#	REV BY	DATE	REVISION DESCRIPTION
△			

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Intelligent®

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INCOMING

LOOP 1
MAIN SWITCH
ON

LOOP 2
REMOTE CONTROL
JOG MODE

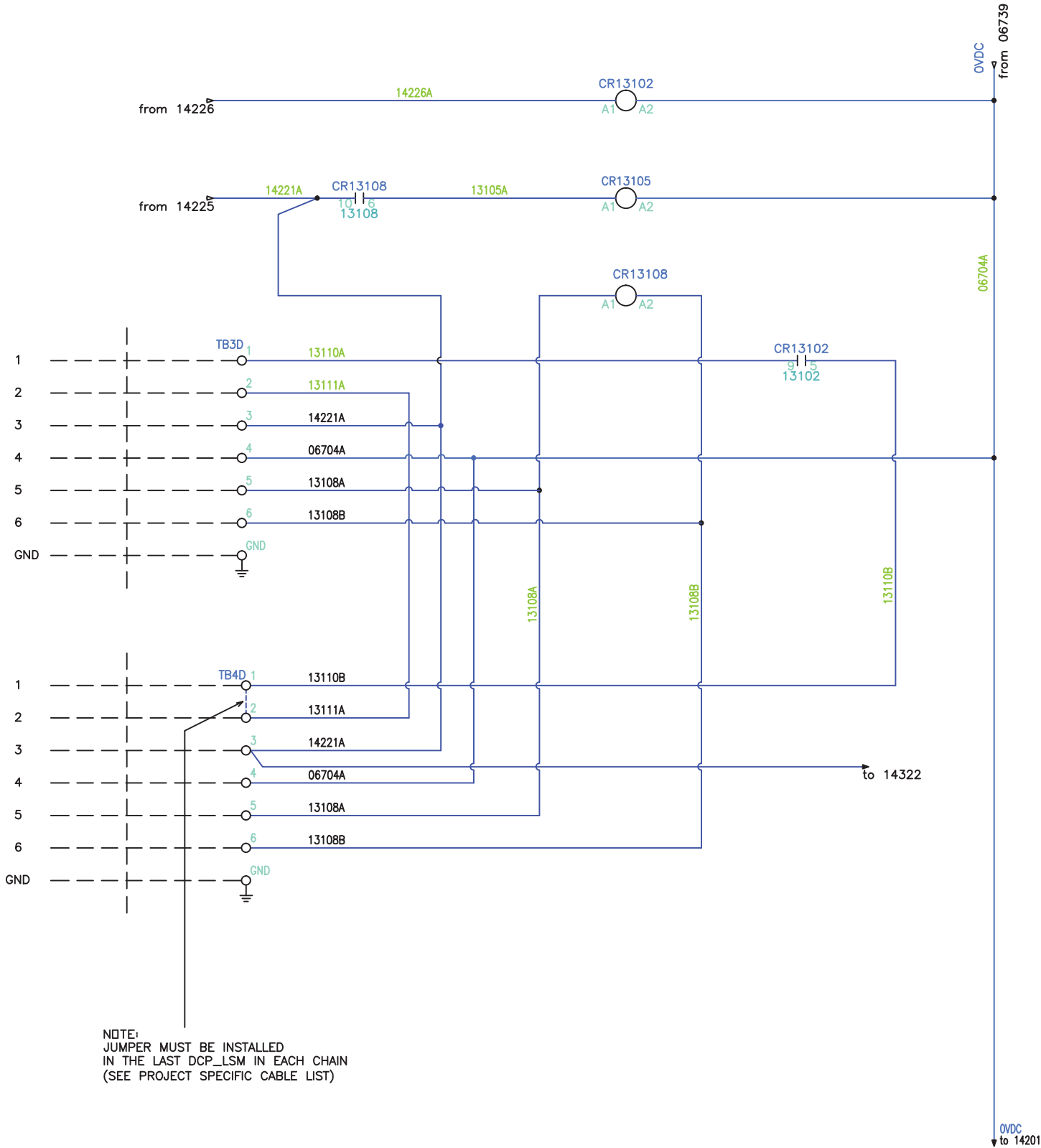
LOOP 3
OK START JOG

OUTGOING

LOOP 1
MAIN SWITCH
ON

LOOP 2
REMOTE CONTROL
JOG MODE

LOOP 3
OK START JOG



CR13102	
TYPE	REF
1h	113110
2h	

MAIN SWITCH
ON

CR13105	
TYPE	REF
1h	06614
2h	14230

REMOTE CONTROL
JOG MODE

CR13108	
TYPE	REF
1h	14322
2h	13105

START JOG
MODE OK

LSM POWER PANEL W/PROFIBUS, ROTARY DISC.
LS4000
EXTERNAL SIGNAL FOR JOG MODE

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3	NLA	11.11.2014	UNACQID LABEL ADDED TO EXTERNAL LAYOUT (DWG17798)
2	NLA	06.04.2014	CABLE (APR2170264) ADDED TO BOM, UPDATED SCHEMATIC P.142
1	NLA	03.12.2014	UPDATED CB 1489-A1C040 TO 1489-M1C040 AND AUX 1489-AAH3 TO 1489-AMR3(DWG14688)

PROJECT REFERENCES
420D188

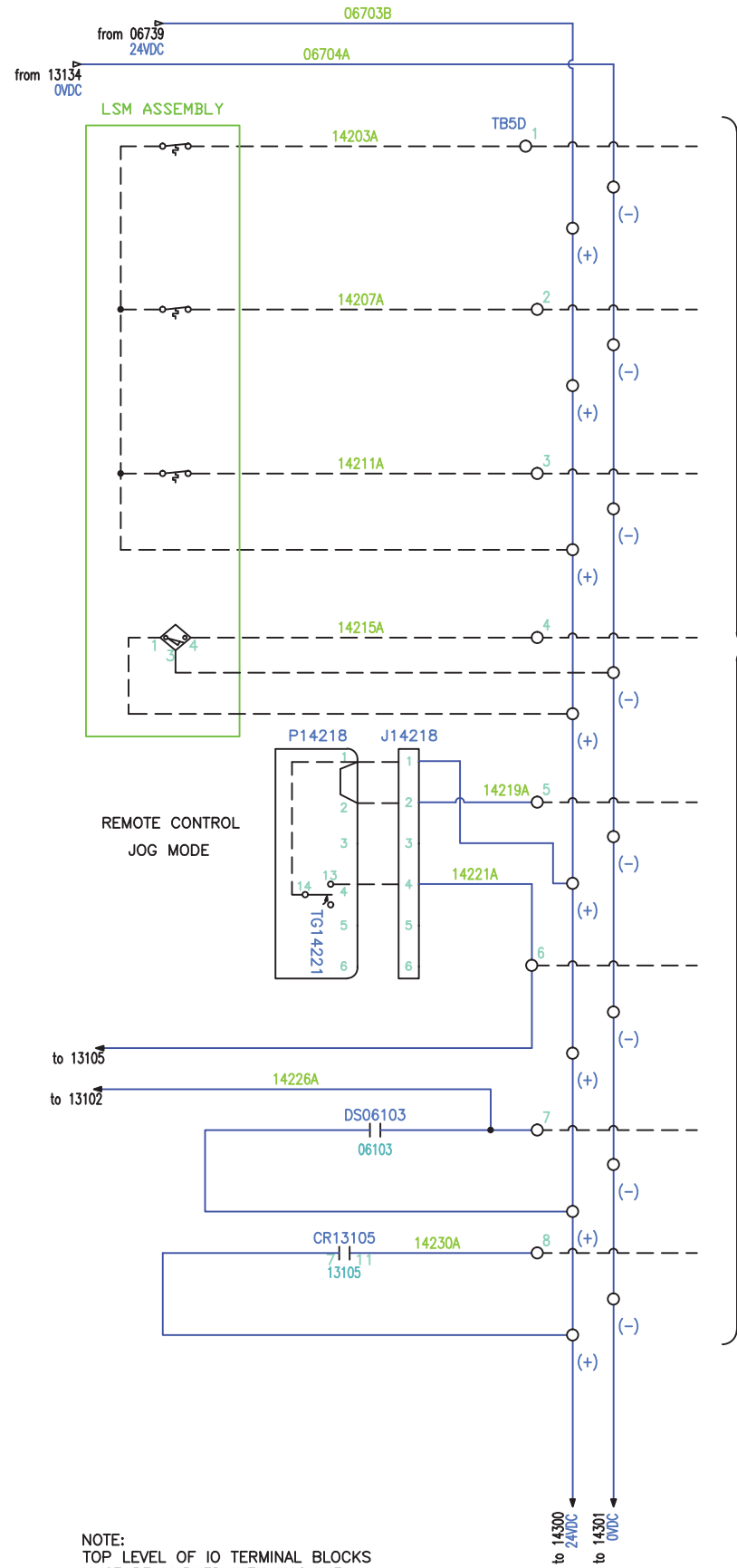
DRAWN BY: NLA
DATE: 07.05.2013
CHECKED BY: JFM
DATE: 07.17.2013

PROPOSAL/PROJECT No. STANDARD
LOCATION

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I/O CABLE TO
I/O BOX
(INPUT TO PLC)

OVER TEMP
LSM STATOR 1

OVER TEMP
LSM STATOR 2

OVER TEMP
LSM STATOR 3

COLLISION
GUARD

JOG PENDANT
PLUGGED IN

JOG SWITCH

MAIN
DISCONNECT

REMOTE CONTROL
JOG MODE

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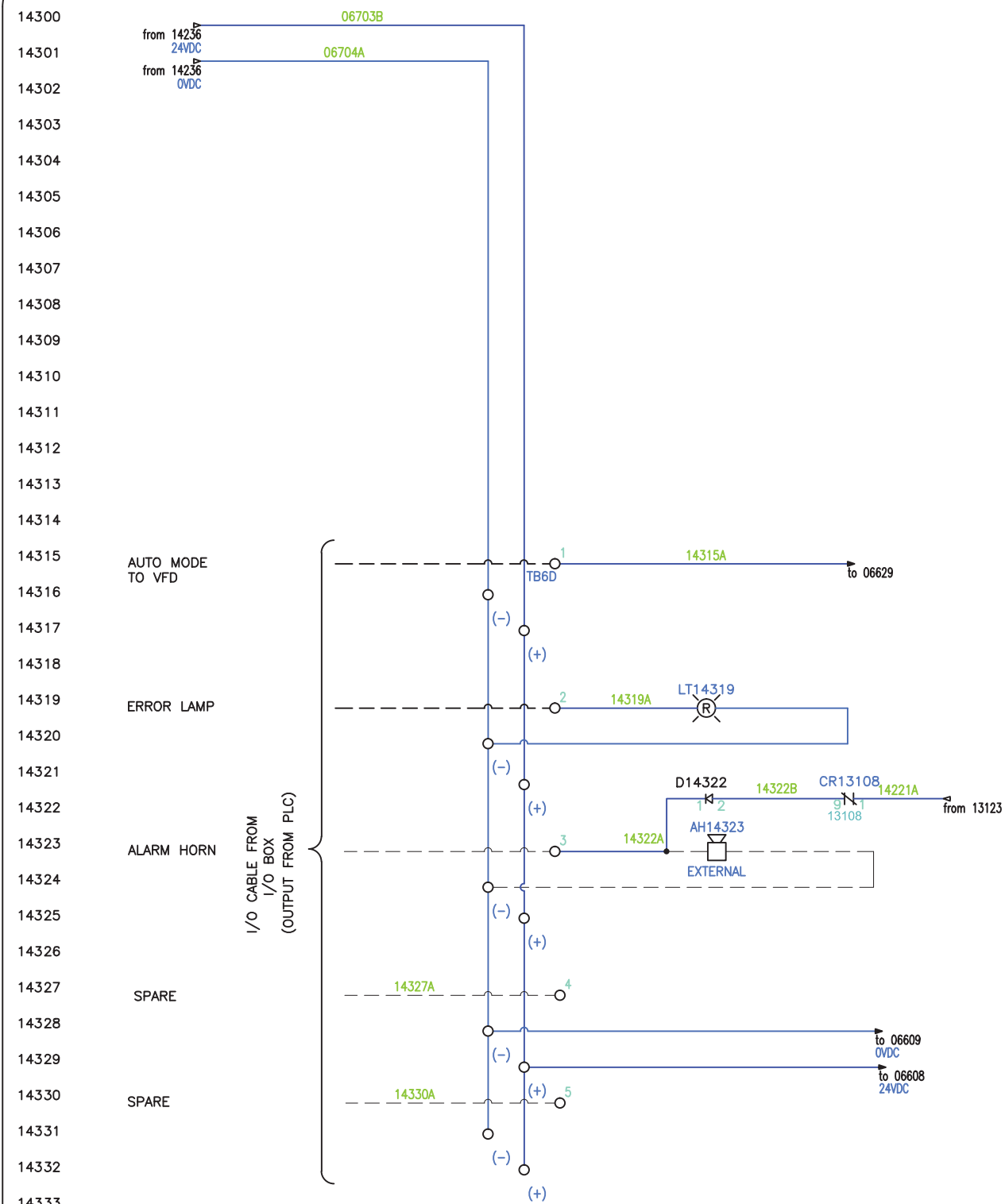
PROPOSAL/PROJECT No.	STANDARD
420D188	

REV#	REV BY	DATE	REVISION DESCRIPTION
1	NLA	03.12.2014	UPDATED CB 1489-A1C040 TO 1489-M1C040 AND AUX 1489-AAH3 TO 1489-AMR3(DWG14688)
2	NLA	06.04.2014	UPDATED SCHEMATIC P.142
3	NLA	11.11.2014	UNACQID LABEL ADDED TO EXTERNAL LAYOUT (DWG17798) CABLE 1489P2170264 ADDED TO BOM.



LSM POWER PANEL W/PROFIBUS, ROTARY DISC. LS4000 INPUT

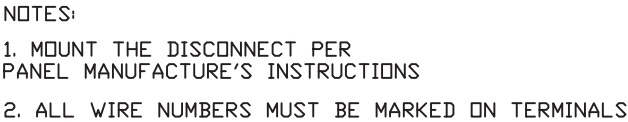
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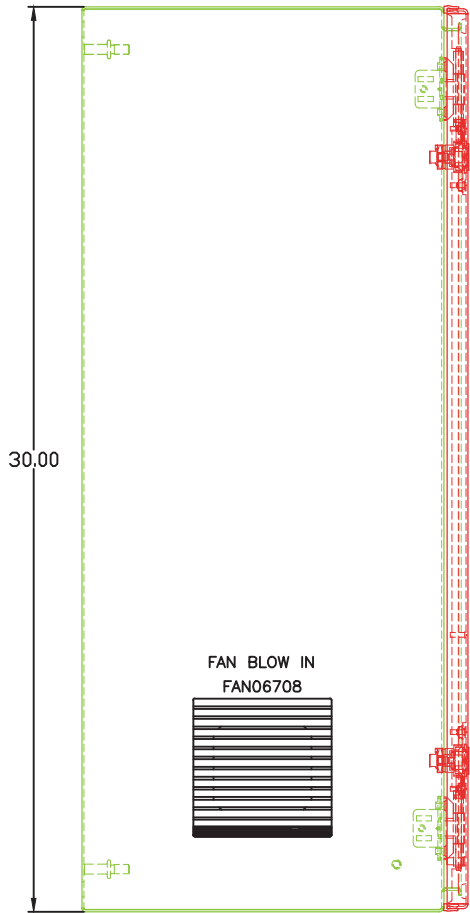


NOTE:
TOP LEVEL OF IO TERMINAL BLOCKS
MUST BE MARKED WITH MACHINE
PRINTED TERMINAL MARKERS.
THIS INCLUDES THOSE WITH NO
INTERNAL WIRING.

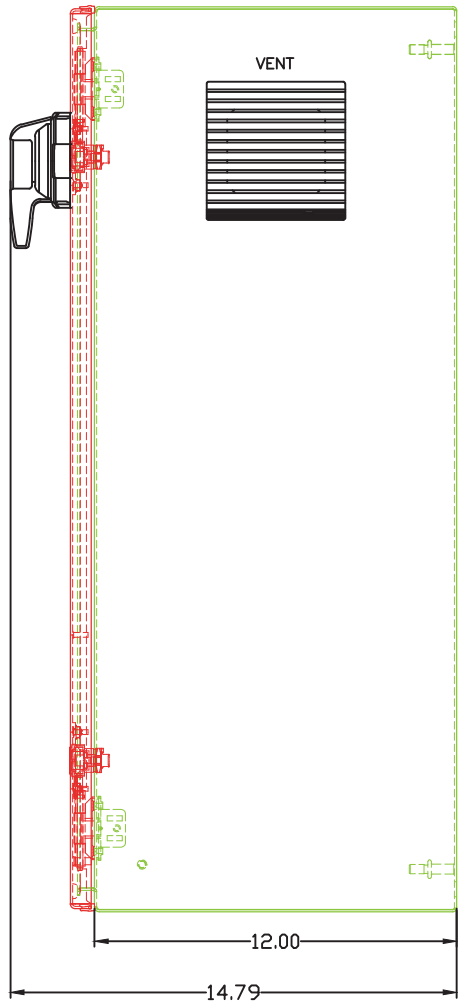
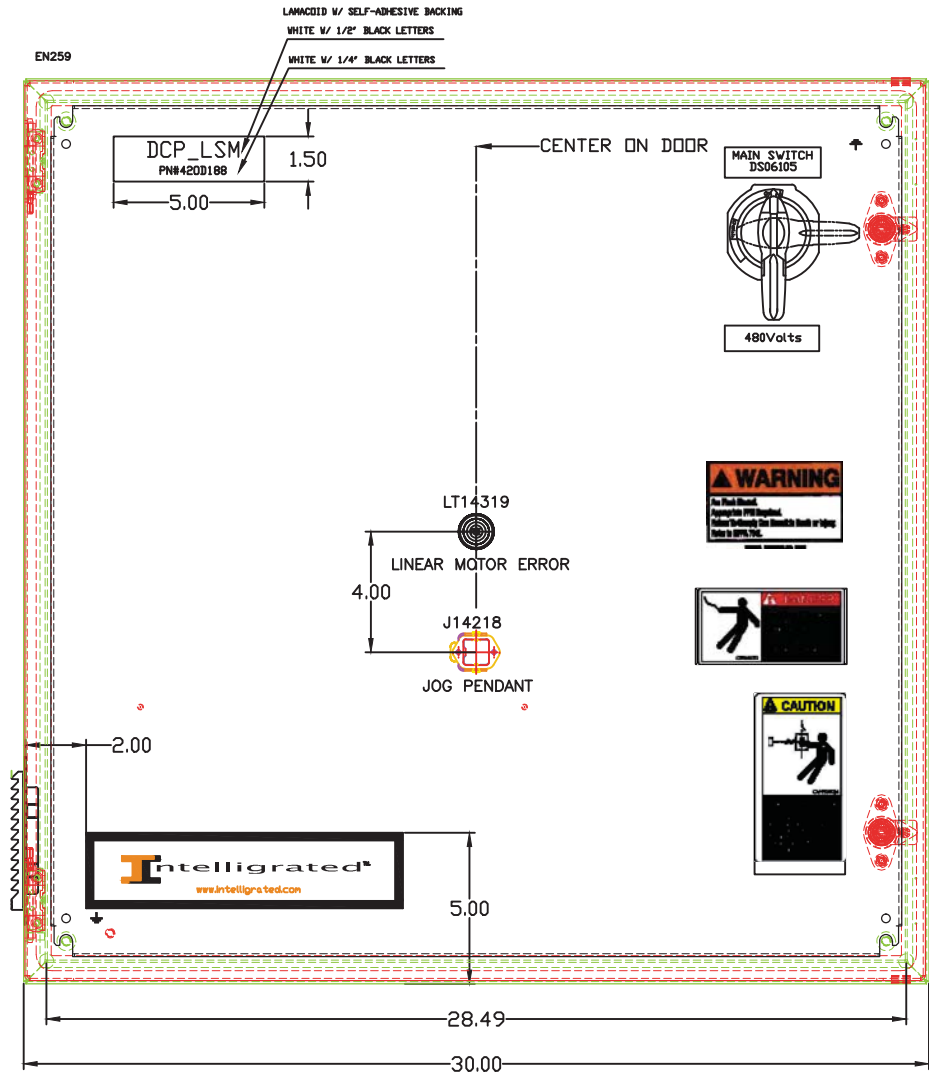
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<div>TITLE LSM POWER PANEL W/PROFIBUS; ROTARY DISC. LS4000 OUTPUT</div>										<div>REVISIONS</div>										<div>PROJECT REFERENCES</div>																			
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										<div>N/A</div>										<div>11.11.2014</div>										<div>LAMACOID LABEL ADDED TO EXTERNAL LAYOUT (DWG17798)</div>									
										<div>N/A</div>										<div>06.04.2014</div>										<div>UPDATED 170284, ADDED TO BOM, UPDATED SCHEMATIC P.142</div>									
										<div>N/A</div>										<div>03.12.2014</div>										<div>UPDATED CB 1489-A1C040 TO 1489-A1C040 AND AUX 1489-AAHH3 TO 1489-A1MRA3 (DWG14689)</div>									
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<div>PROPOSAL/PROJECT No.</div>										<div>251</div>										<div>DATE</div>										<div></div>									
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TSM POWER PANEL W/PROFIBUS, ROTARY DISC.						DATE	07.05.2013
LS4000						DRAWN BY:	NLA
INTERNAL LAYOUT						CHECKED BY:	JFM
		PAGE	NEXT PAGE	SCALE	PROPOSAL/PROJECT No.	STANDARD	
		251	259				
INSTALLATION LOCATION							
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NOTE:
PROVIDE GROUND STUD
AND WIRE JUMPER
FROM MOUNTING PANEL
TO DOOR INTERIOR.



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TITLE: LSM POWER PANEL W/PROFIBUS, ROTARY DISC. LS4000 EXTERNAL LAYOUT				
INSTALLATION	PAGE	NEXT PAGE	SCALE	
LOCATION	259	970	970	
PROPOSAL/PROJECT No.		STANDARD		
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JFM		07.17.2013		
PROJECT REFERENCES				
420D188				
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REV#		REV BY	DATE	REVISION DESCRIPTION
1		N/A	03.12.2014	UPDATED CB 1489-AH43 TO 1489-AMR3(DWG14889)
2		N/A	06.04.2014	UPDATED SCHEMATIC P.142
3		N/A	11.11.2014	LANACOID LABEL ADDED TO EXTERNAL LAYOUT (DWG17798)
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TAG	DESCRIPTION	CATALOG	MFG	INTERNAL #	QTY
CB06703	CIRCUIT BREAKER, 1489 SERIES 1POLE 4AMP	1489-M1C040	AB	422D369	1
	AUX CON 1NO 1NC A-B 1489 SERIES	1489-AMRA3	AB	422D372	1
CBL06633	STATIONARY AND CONTINUOUS FLEX CABLE FOR CAN APPLICATIONS - UNITRONIC BUS CAN CABLE	2170264	LAPP		1
CR13102	RELAY, 4PDT 24VDC 10A WITH LED	700-HF34Z24-4	AB	403D336	1
	RELAY SOCKET, 4 POLE	700-HN139	AB	403D337	1
	RELAY RETAINER CLIP, 700-HN	700-HN140	AB	403D338	2
CR13105	RELAY, 4PDT 24VDC 10A WITH LED	700-HF34Z24-4	AB	403D336	1
	RELAY SOCKET, 4 POLE	700-HN139	AB	403D337	1
	RELAY RETAINER CLIP, 700-HN	700-HN140	AB	403D338	2
CR13108	RELAY, 4PDT 24VDC 10A WITH LED	700-HF34Z24-4	AB	403D336	1
	RELAY SOCKET, 4 POLE	700-HN139	AB	403D337	1
	RELAY RETAINER CLIP, 700-HN	700-HN140	AB	403D338	2
D14322	SCREW CONNECTION TERMINAL BLOCKw/DIODE; 1492-J	1492-J3DF	AB	410D562	1
DS06103	DISCONNECT SWITCH, 30 AMP FUSED	194R-J30-1753	AB	23479900	1
	FUSE 20AMP	LPJ-20SP	BUSSMANN	23008600	3
	AUX CONTACT, 1 NO	800F-X10	AB	23256500	1
	OPERATING HANDLE: BLACK	194R-PB	AB	419D993	1
	OPERATING SHAFT WITH INTERNAL HANDLE	194R-N1	AB	419D994	1
EA251	END ANCHOR	1492-EAJ35	AB	23441900	7
EN259	CONCEPT WALL-MOUNT ENCLOSURE 30X30X12	CSD303012	HOFFMAN	420D229	1
	BACK PLANE 30X30INCH	CP3030	HOFFMAN	407D929	1
	WARNING LABEL, ARC FLASH HAZARD	94913	BRADY	405D331	1
	WARNING LABEL, HIGH VOLTAGE HAZARD	CHR930003	CEMA	180A948	1
	WARNING LABEL, MULTIPLE VOLTAGE HAZARD	CVR950024	CEMA	401D501	1
FAN06708	FAN WITH FILTER 24VDC 20CFM	SK 3237.124	RITTAL	403D868	1
	FILTER KIT EXHAUST	SK 3237.200	RITTAL	403D869	1
GND06106	GROUNDING LUG 4-14AWG	TA-6-S	ILSCO	418D158	1
INT06605	GATEWAY PROFIBUS	DFP21B/UOH11B	SEW EURODRIVE	174A816	1
J14218	INSERT MALE 6 POLE	09 70 006 2616	HARTING	168A496	1
	INSERT HOUSING 7 POLE PLUS GROUND	09 20 003 0301	HARTING	168A495	1
LT14319	PILOT LIGHT, METAL (RED)	800FM-P4	AB	401D944	1
	PILOT LIGHT LED MODULE, METAL (RED)	800FM-N3R	AB	401D954	1
PL06622	D-SUB BUS CONNECTOR, SUBCON PLUS PROFIBUS/90/PB/SG	2313708	PHOENIX	420D243	1
RE06118	BRAKE RESISTOR 72 OHMS 500W	BW072-005/08260605	SEW EURODRIVE	174A695	1
TB1D	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J6	AB	23441600	2
	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-JG6	AB	403D725	1
TB2D	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	407D960	2
TB3D	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	407D960	6
	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-JG4	AB	1704434	1
TB4D	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	407D960	6
	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-JG4	AB	1704434	1

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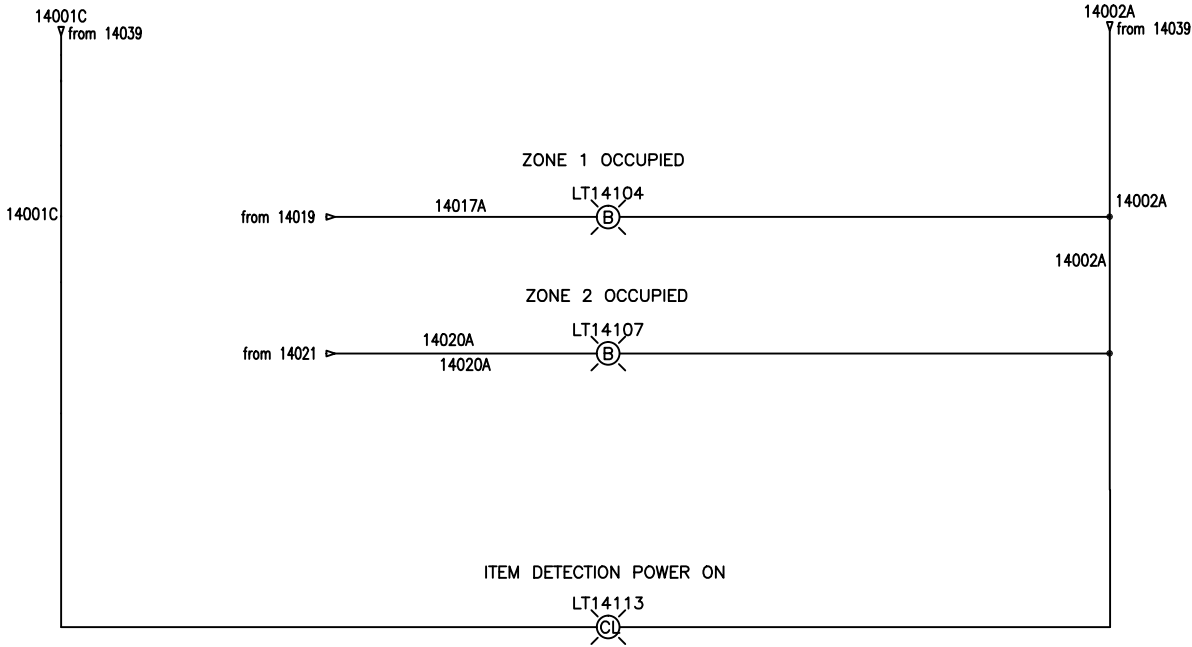
DCP-VIS

IR ITEM DETECTION SYSTEM

CONTROL PANEL


<div><div>TITLE: IR ITEM DETECTION SYSTEM CONTROL PANEL TITLE PAGE</div></div>										<div><div>REVISIONS</div><table><tr><td>5</td><td>N/A</td><td>11.13.2014</td><td>LAMACQID LABEL ADDED TO EXTERNAL LAYOUT (DWG17802)</td><td>△</td></tr><tr><td>4</td><td>DLS</td><td>6.30.2014</td><td>ADDED OPTIONAL ZONE OUTPUTS & ADDITIONAL IR LIGHT ARRAY, ECO# DWG17297</td><td>△</td></tr><tr><td>3</td><td>BJS</td><td>05.09.2014</td><td>GROUNDED 0 VDC ON POWER SUPPLY, REVISED CBL 14009 PART NO. (DWG15486)</td><td>△</td></tr><tr><td>2</td><td>BJS</td><td>08.15.2013</td><td>CHANGE SYSTEM DESCRIPTION, ADD TRIGGER PEC, REVERSE LASER TO IR LIGHT ARRAY (DWG13748)</td><td>△</td></tr><tr><td>1</td><td>BJS</td><td>05.08.2013</td><td>AFTER MARKET VISION SYSTEM UPGRADE</td><td>△</td></tr></table></div>										5	N/A	11.13.2014	LAMACQID LABEL ADDED TO EXTERNAL LAYOUT (DWG17802)	△	4	DLS	6.30.2014	ADDED OPTIONAL ZONE OUTPUTS & ADDITIONAL IR LIGHT ARRAY, ECO# DWG17297	△	3	BJS	05.09.2014	GROUNDED 0 VDC ON POWER SUPPLY, REVISED CBL 14009 PART NO. (DWG15486)	△	2	BJS	08.15.2013	CHANGE SYSTEM DESCRIPTION, ADD TRIGGER PEC, REVERSE LASER TO IR LIGHT ARRAY (DWG13748)	△	1	BJS	05.08.2013	AFTER MARKET VISION SYSTEM UPGRADE	△	<div><div>PROJECT REFERENCES</div><div>419D753</div></div>										<div><table><tr><td>REVISION No.</td><td>PAGE</td><td>NEXT PGE</td><td>SCALE</td><td>DRAWN BY:</td><td>DATE</td></tr><tr><td>6</td><td>000</td><td>001</td><td>0</td><td>BJS</td><td>04.16.2013</td></tr></table><table><tr><td>INSTALLATION</td><td>LOCATION</td><td>PROPOSAL/PROJECT No.</td><td>CHECKED BY:</td><td>DATE</td></tr><tr><td></td><td></td><td>STANDARD</td><td>JFM</td><td>04.22.2013</td></tr></table></div>										REVISION No.	PAGE	NEXT PGE	SCALE	DRAWN BY:	DATE	6	000	001	0	BJS	04.16.2013	INSTALLATION	LOCATION	PROPOSAL/PROJECT No.	CHECKED BY:	DATE			STANDARD	JFM	04.22.2013	<div><div>REV#</div><div>REV BY</div><div>DATE</div><div>REVISION DESCRIPTION</div></div>										<div><div>PROPRIETARY AND CONFIDENTIAL</div><div>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGENT INC. NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF INTELLIGENT INC. IS PROHIBITED</div><div>Intelligent®</div></div>									
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4	DLS	6.30.2014	ADDED OPTIONAL ZONE OUTPUTS & ADDITIONAL IR LIGHT ARRAY, ECO# DWG17297	△																																																																																																						
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NOTES:
ALL INTERNAL 24V WIRING IS #18 AWG. 24VDC AND SIGNAL WIRES ARE BLUE.
0 VDC WIRES ARE WHITE WITH A BLUE TRACER.

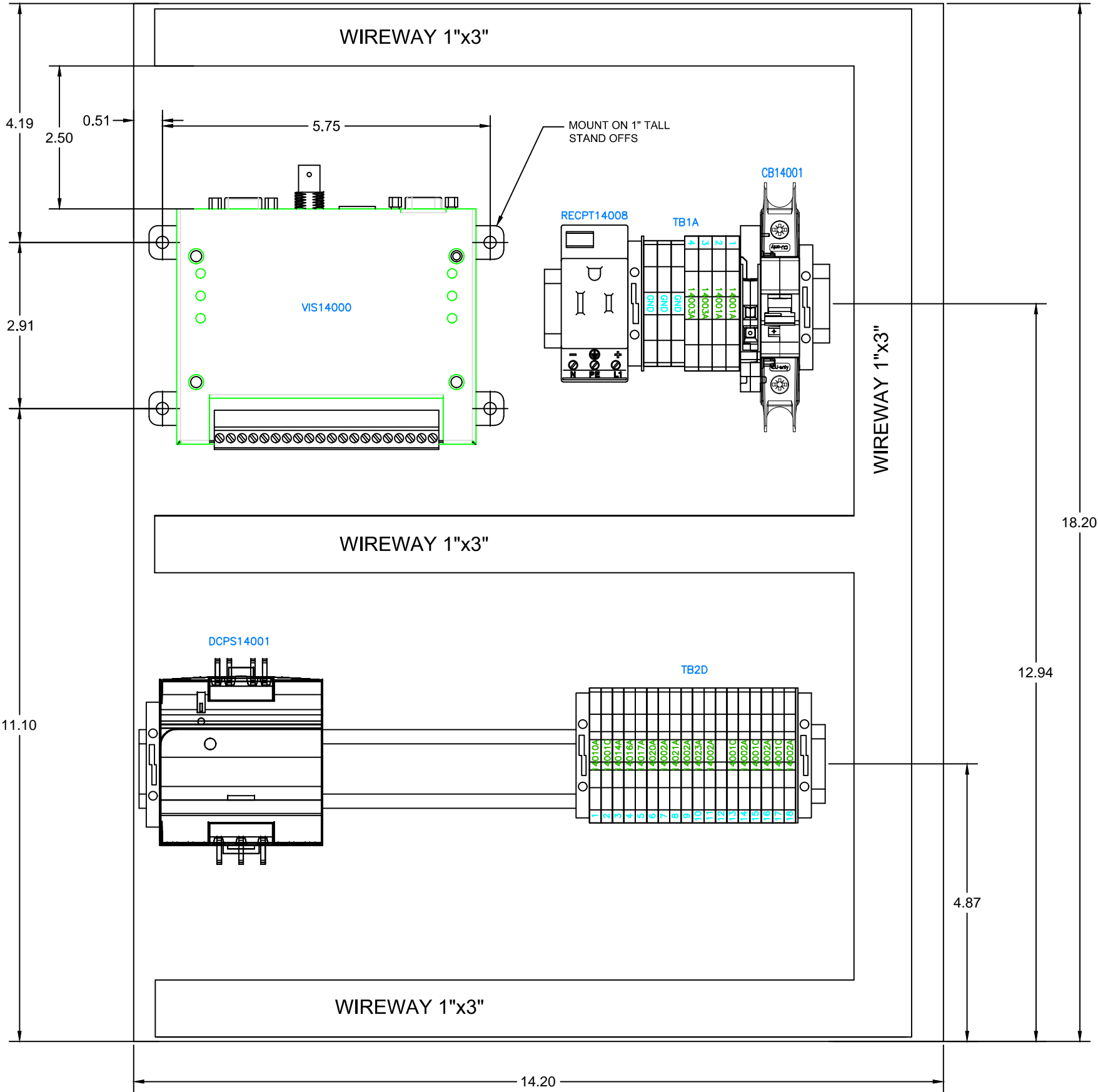
WIRE/CABLE LABEL NOTES:
1. PANEL FABRICATOR TO PROVIDE BRADY MACHINE PRINTED
(THERMAL TRANSFER) SELF-LAMINATING VINYL, CLEAR, WITH
WHITE PRINT-ON AREA




TITLE: IR ITEM DETECTION SYSTEM CONTROL PANEL PANEL I/O		REVISION No. 6		PAGE 141	NEXT PGE 251	SCALE 0	DRAWN BY: BJS	DATE 04.16.2013
INSTALLATION		LOCATION	PROPOSAL/PROJECT No. STANDARD	CHECKED BY: JFM	DATE 04.22.2013	PROJECT REFERENCES 419D753		
REV#		REV BY	DATE	REVISION DESCRIPTION				
5	N/A	11.13.2014	LAMACOID LABEL ADDED TO EXTERNAL LAYOUT (DWG17802)					
4	DLS	6.30.2014	ADDED OPTIONAL ZONE OUTPUTS & ADDITIONAL IR LIGHT ARRAY, ECO# DWG17297					
3	BJS	05.09.2014	GROUNDED 0 VDC ON POWER SUPPLY, REVISED CBL 14009 PART NO. (DWG15486)					
2	BJS	08.15.2013	REVISE SYSTEM DESCRIPTION, ADD TRIGGER REC, CHANGE LASER TO IR LIGHT ARRAY (DWG15746)					
1	BJS	05.08.2013	AFTER MARKET VISION SYSTEM UPGRADE					
REV#		REV BY	DATE	REVISION DESCRIPTION				
6	N/A	04.21.2015	UPDATED CB 1489-11C060 TO 1489-11C060 AND AUX 1489-14HHS TO 1489-14HHS (DWG19619)					

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WIRE/CABLE LABEL NOTES:
1. PANEL FABRICATOR TO PROVIDE BRADY MACHINE PRINTED
(THERMAL TRANSFER) SELF-LAMINATING VINYL, CLEAR, WITH
WHITE PRINT-ON AREA

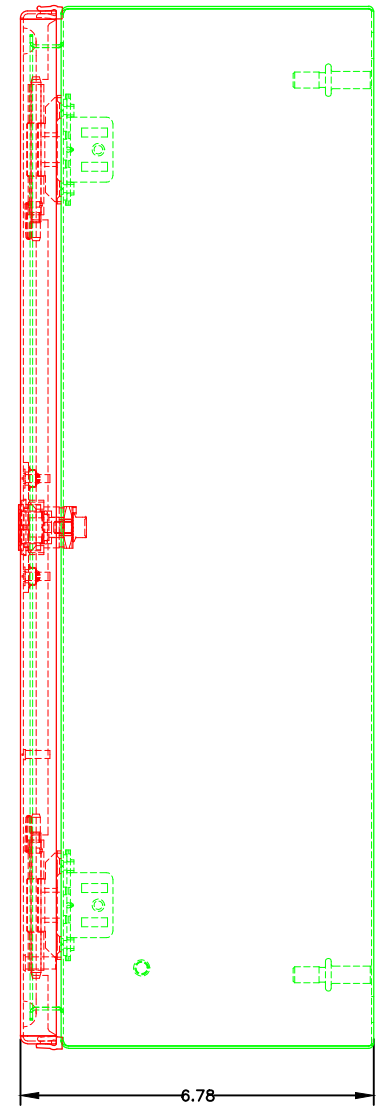
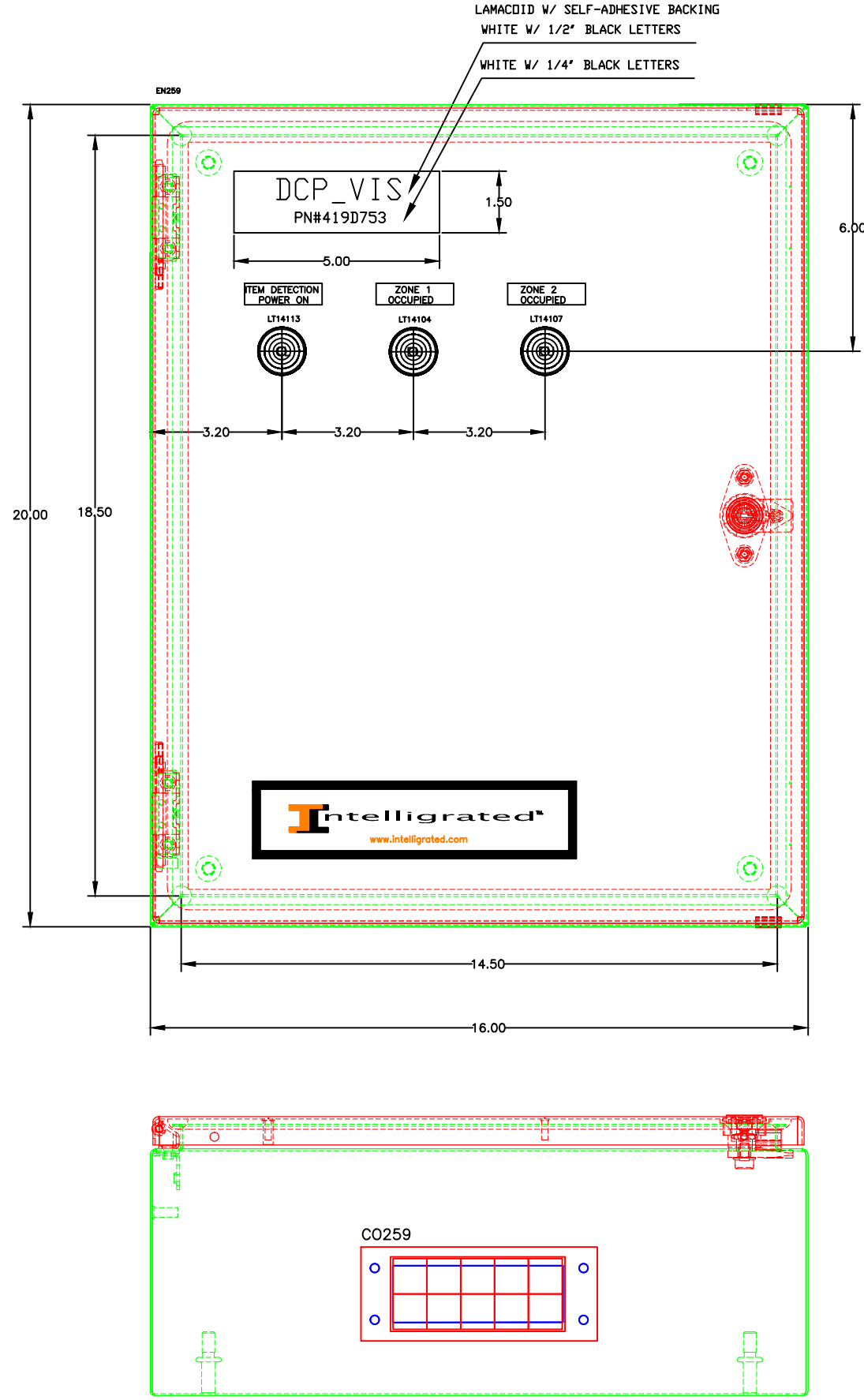



TITLE: IR ITEM DETECTION SYSTEM CONTROL PANEL INTERNAL LAYOUT		PROJECT REFERENCES 419D753		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INTELLIGENT INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF INTELLIGENT INC. IS PROHIBITED	
REVISION No. 6	PAGE 251	NEXT PGE 259	SCALE 0	DRAWN BY: BJS	DATE 04.16.2013
INSTALLATION	LOCATION	PROPOSAL/PROJECT No. STANDARD	CHECKED BY: JFM	DATE 04.22.2013	

REV#	REV BY	DATE	REVISION DESCRIPTION
1	BJS	05.08.2013	AFTER MARKET VISION SYSTEM UPGRADE
2	BJS	08.15.2013	CHANGE LASER TO IR LIGHT ARRAY (DWG15746)
3	BJS	05.09.2014	REVISE SYSTEM DESCRIPTION, ADD TRIGGER REC.
4	BJS	05.09.2014	CBEL 14009 PART NO. (DWG15486)
5	DLS	06.30.2014	ADDED OPTIONAL ZONE OUTPUTS & ADDITIONAL IR LIGHT ARRAY, ECO# DWG17297
6	N/A	11.13.2014	LAMACOID LABEL ADDED TO EXTERNAL LAYOUT (DWG17802)

REV#	REV BY	DATE	REVISION DESCRIPTION
1	N/A	04.21.2015	UPDATED CB 1489-110050 TO 1489-1110050 AND AUX 1489-144H5 TO 1489-144RA5 (DWG19619)







TITLE: IR ITEM DETECTION SYSTEM
CONTROL PANEL
EXTERNAL LAYOUT

REVISION No.	6	PAGE	259	NEXT PGE	970	SCALE	0	DRAWN BY:	BJS	DATE	04.16.2013
INSTALLATION		LOCATION		PROPOSAL/PROJECT No.	STANDARD	CHECKED BY:	JFM	DATE	04.22.2013		

REV#	5	N/A	11.13.2014	LAMACOID LABEL ADDED TO EXTERNAL LAYOUT (DWG17802)	△
REV#	4	DLS	6.30.2014	ADDED OPTIONAL ZONE OUTPUTS & ADDITIONAL IR LIGHT ARRAY, ECO# DWG17297	△
REV#	3	BJS	05.08.2014	GROUNDING 0 VDC ON POWER SUPPLY, REVISED CBL 14009 PART NO. (DWG15486)	△
REV#	2	BJS	08.15.2013	REVISE SYSTEM DESCRIPTION, ADD TRIGGER REC, CHANGE LASER TO IR LIGHT ARRAY (DWG15746)	△
REV#	1	BJS	05.08.2013	AFTER MARKET VISION SYSTEM UPGRADE	△

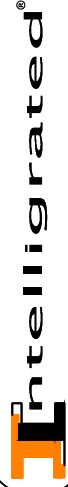
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REV#	5	N/A	04.21.2015	DATE	△

419D753

PROJECT REFERENCES

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UPDATED CB 1489-11C060 TO 1489-11C060 AND AUX 1489-14AHS TO 1489-14AHS (DWG19610)



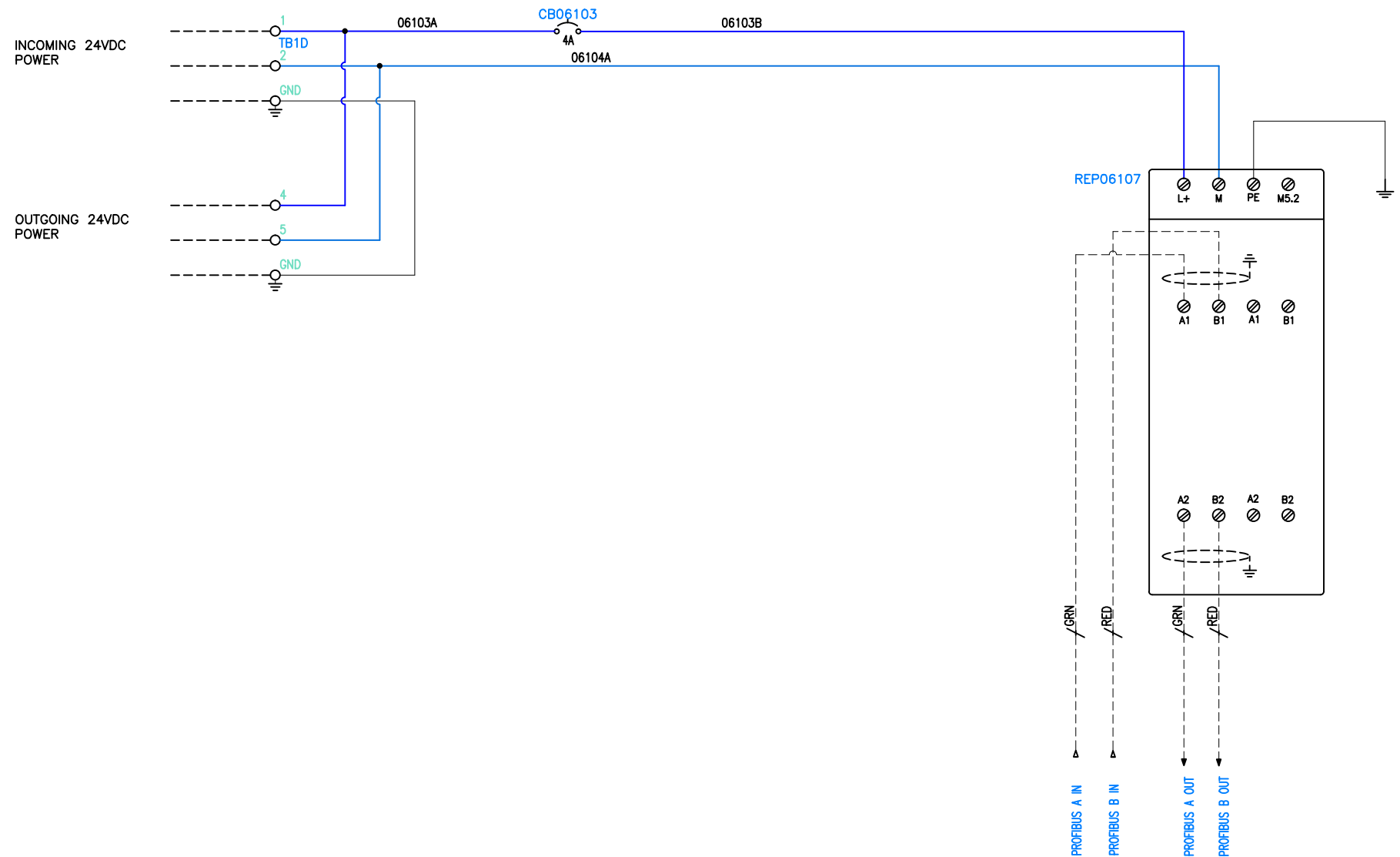
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CB14001	AUX CON 1NO 1NC A-B 1489 SERIES	1489-AMRA3	AB	422D372	1
	CIRCUIT BREAKER, 1489 SERIES 1POLE 5AMP	1489-M1C050	AB	422D784	1
CO259	CABLE ENTRY PLATE 10 POSITION	87121020	MURRPLASTIK	410D905	1
	CABLE ENTRY GROMMET KDT/ZE 04	87121212	MURRPLASTIK	410D906	3
	CABLE ENTRY GROMMET KDT/ZE 06	87121216	MURRPLASTIK	410D907	3
	CABLE ENTRY GROMMET KDT/ZE 08	87121220	MURRPLASTIK	410D908	3
	CABLE ENTRY GROMMET BTK/E DUMMY	87121266	MURRPLASTIK	410D917	6
DCPS14001	CLASS 2 POWER SUPPLY 120 VAC INPUT 24 VDC. 3.9 AMP OUTPUT	1606-XLP95E	AB	1705860	1
EN259	STEEL 20x16x6 CONCEPT WALL SINGLE DOOR ENCLOSURE	CSD20166	HOFFMAN	418D986	1
	BACK PLANE 16X12INCH	CP2016	HOFFMAN	418D987	1
LT14104	PILOT LIGHT, METAL (BLUE)	800FM-P6	AB	401D946	1
	PILOT LIGHT LED MODULE, METAL (WHITE)	800F-MN3W	AB	401D955	1
LT14107	PILOT LIGHT, METAL (BLUE)	800FM-P6	AB	401D946	1
	PILOT LIGHT LED MODULE, METAL (WHITE)	800F-MN3W	AB	401D955	1
LT14113	PILOT LIGHT, METAL (CLEAR)	800FM-P7	AB	401D947	1
	PILOT LIGHT LED MODULE, METAL (WHITE)	800F-MN3W	AB	401D955	1
RECPT14008	RECEPTACLE SINGLE 120V 15A DIN RAIL MNT	991548	WEIDMULLER	100C047	1
TB1A	END ANCHOR	1492-EAJ35	AB	23441900	3
	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J4	AB	1703880	4
	SCREW CENTER JUMPER - 2 POLE	1492-CJJ6-2	AB	1703900	2
	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-JG4	AB	1704434	3
TB2D	END ANCHOR	1492-EAJ35	AB	23441900	3
	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	1703876	18
VIS14000	PRO II VISION CONTROLER	PPROCTL	BANNER	23485000	1

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REPEATER BOX
WITH PROFIBUS
(SUPPORT MOUNTED)
IS4000

REVISION NO 9		NEXT PAGE 001	
PAGE 000			
TITLE: REPEATER BOX W/PROFIBUS LS4000 TITLE PAGE		PROJECT REFERENCES 405D373	
INSTALLATION	PAGE 000	SCALE 001	DATE 11.21.2006
LOCATION	PROPOSAL/PROJECT No. STANDARD	DRAWN BY: NLA	CHECKED BY: WFL
REV#		REV BY	DATE
5		NLA	10.24.2014
4		NLA	06.20.2013
3		NLA	04.14.2011
2		NLA	06.30.2008
1		NLA	12.21.2006
ENCLOSURE ROTATED 90 DEGREE (DWG17585)		ENCLOSURE ROTATED 90 DEGREE (DWG17585)	
FORMAT UPDATED		FORMAT UPDATED	
TERMINAL BLOCK ADDED		TERMINAL BLOCK ADDED	
TEXT UPDATED		TEXT UPDATED	
REVISION DESCRIPTION		REVISION DESCRIPTION	
9		BJS	10.03.2016
8		NLA	01.27.2016
7		NLA	04.01.2015
6		NLA	11.12.2014
DELETE AUX. CONTACT, TERM. BLOCKS, STRAIN RELIEF CONNECTORS. DWG27205		DELETE AUX. CONTACT, TERM. BLOCKS, STRAIN RELIEF CONNECTORS. DWG27205	
101C435 REPLACED WITH 23013000 (DWG23181)		101C435 REPLACED WITH 23013000 (DWG23181)	
PART NUMBERS FOR CB06103 UPDATED (DWG18332)		PART NUMBERS FOR CB06103 UPDATED (DWG18332)	
LAMAQOID LABEL ADDED TO INTERNAL LAYOUT (DWG17800)		LAMAQOID LABEL ADDED TO INTERNAL LAYOUT (DWG17800)	
REVISION DESCRIPTION		REVISION DESCRIPTION	
PROPRIETARY AND CONFIDENTIAL		PROPRIETARY AND CONFIDENTIAL	
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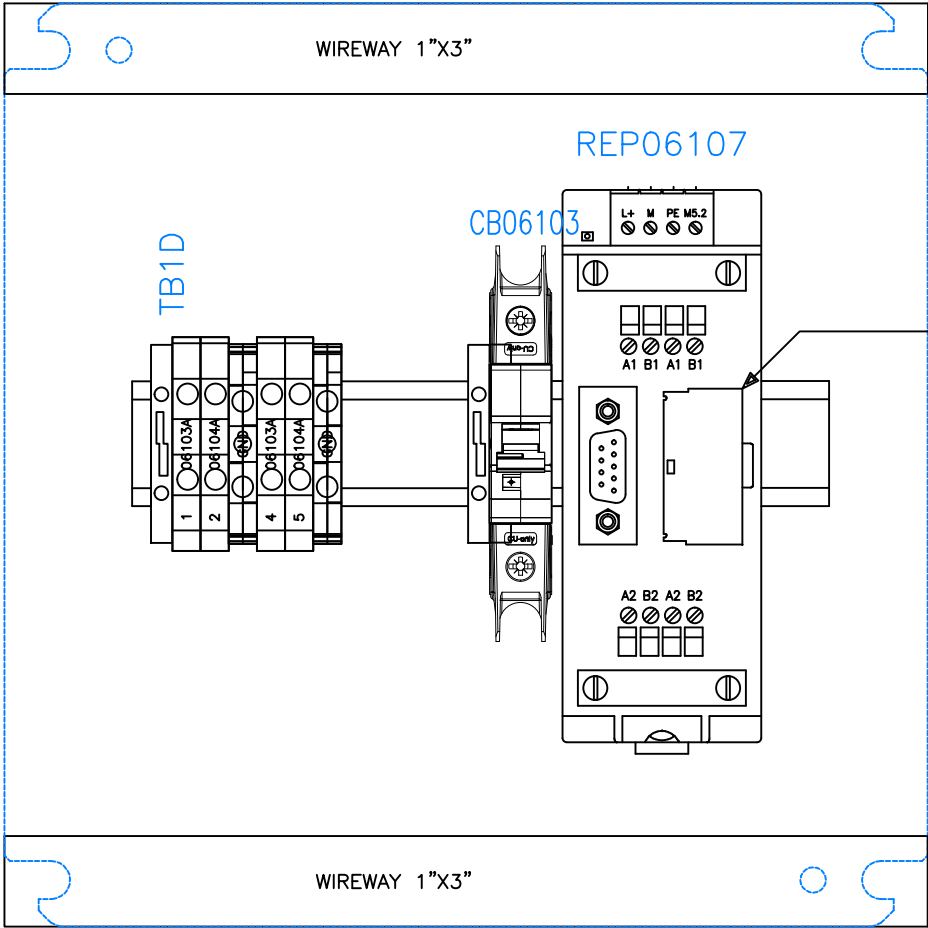
NOTES:

1. REFER TO SPECIFICATION ENC-149 FOR WIRE COLOR
ALL INTERNAL 24V WIRING IS 18AWG MIN
24V WIRES (BLUE)
0V WIRES (WHITE/BLUE STRIP)
UNLESS OTHERWISE SPECIFIED
2. REFER TO I/O LIST FOR INPUT AND OUTPUT BIT ADDRESSES.

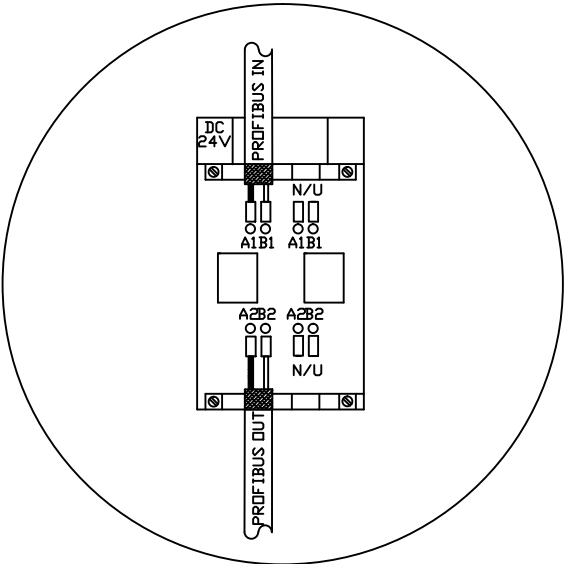
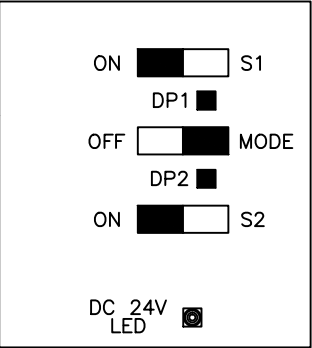
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NOTES:

1. CABLE SHALL MEET PROFIBUS SPECIFICATIONS AND SHALL BE INSTALLED ACCORDING TO REQUIREMENTS OF THE MANUFACTURER AND THE PROFIBUS STANDARD.

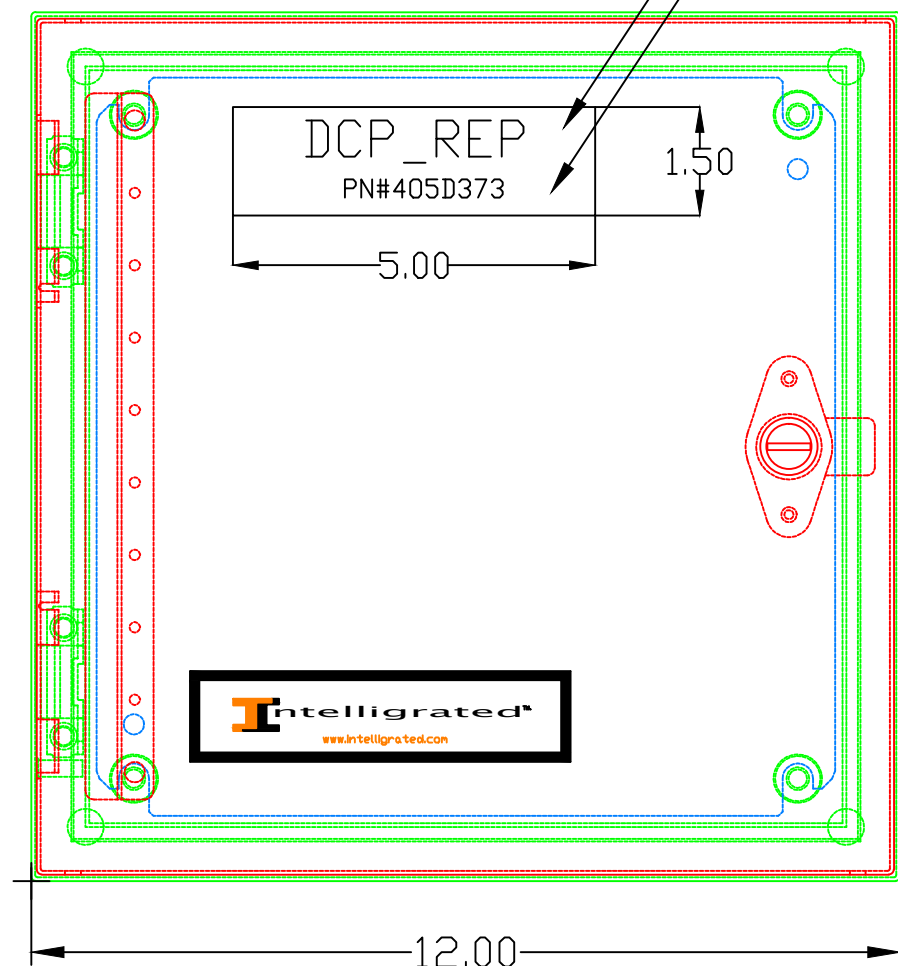


DIP SWITCH SETTING
FOR TYPICAL APPLICATION



RS-485 PROFIBUS REPEATER
FOR TYPICAL APPLICATION
(SEE NOTE 1)

REVISION NO										NEXT PAGE																													
9										259																													
PAGE										251																													
TITLE: REPEATER BOX W/PROFIBUS LS4000										INTERNAL LAYOUT																													
INSTALLATION		PAGE		NEXT PGE		SCALE		DRAWN BY:		DATE		LOCATION		PROPOSAL/PROJECT No.		CHECKED BY:		DATE																					
		251		259		N/A		N/A		11.21.2006						WFL		11.25.2006																					
PROJECT REFERENCES										405D373																													
REV#										REV BY										DATE										REVISION DESCRIPTION									
5										N/A										10.24.2014										ENCLOSURE ROTATED 90 DEGREE (DWG17585)									
4										N/A										06.20.2013										UPDATED PER ENG-149									
3										N/A										04.14.2011										FORMAT UPDATED									
2										N/A										06.30.2008										TERMINAL BLOCK ADDED									
1										N/A										12.21.2006										TEXT UPDATED									
REV#										REV BY										DATE										REVISION DESCRIPTION									
6										N/A										11.12.2014										LAMACOID LABEL ADDED TO INTERNAL LAYOUT (DWG17800)									
7										N/A										04.01.2015										PART NUMBERS FOR CB06103 UPDATED (DWG19332)									
8										N/A										01.27.2016										101C463 REPLACED WITH 23013000 (DWG23181)									
9										BUS										10.03.2016										DELETE AUX. CONTACT, TERM. BLOCKS, STRAIN RELIEF CONNECTORS, DWG27205									
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Technical drawing of a rectangular plate. The overall dimensions are 6.78 (width) and 12.00 (height). The drawing shows a green outline of the plate. On the left side, there is a red outline of a complex internal structure. A blue vertical line is drawn near the right edge, with two green rectangular features attached to it. A small green circle is located near the bottom left corner. Dimension lines indicate the width (6.78) and height (12.00). A smaller dimension line indicates a width of 6.00 for the main body of the plate.

REVISION NO		NEXT PAGE	
9		970	
PAGE		259	

TITLE:		REPEATER BOX W/PROFIBUS LS4000 EXTERNAL LAYOUT	
INSTALLATION	PAGE	NEXT PGE	SCALE
LOCATION	259	970	N/A
DRAWN BY:		DATE	
CHECKED BY:		DATE	
WFL		11.25.2006	

PROPOSAL/PROJECT No.		STANDARD	
405D373			

PROJECT REFERENCES		405D373	
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1	N/A	12.21.2006	TEXT UPDATED
2	N/A	06.30.2008	TERMINAL BLOCK ADDED
3	N/A	04.14.2011	FORMAT UPDATED
4	N/A	06.20.2013	UPDATED PER ENC-149
5	N/A	10.24.2014	ENCLOSURE ROTATED 90 DEGREE (DWG17585)

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3		N/A	
4		N/A	
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REV#		REV BY	
1		N/A	
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REV#		REV BY	
1		N/A	
2		N/A	
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4		N/A	
5		N/A	

REV#		REV BY	
1		N/A	

TAG	DESCRIPTION	CATALOG	MFG	INTERNAL #	QTY
CB06103	CIRCUIT BREAKER, 1489 SERIES 1POLE 4AMP	1489-M1C040	AB	422D369	1
EA251	END ANCHOR	1492-EAJ35	AB	23441900	3
EN251	CONCEPT WALL-MOUNT ENCLOSURE	CSD12126	HOFFMAN	420D134	1
	BACK PLANE 12X12INCH	CP1212	HOFFMAN	8100598	1
REP06107	PROFIBUS REPEATER RS485	6ES7 972-0AA02-0XA0	SIEMENS	23013000	1
TB1D	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J6	AB	23441600	4
	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-JG6	AB	403D725	2

REVISION NO
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970

REPEATER BOX W/PROFIBUS
LS4000
BILL OF MATERIAL

INSTALLATION
LOCATION

PAGE
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NEXT PGE
970

SCALE
STANDARD

DRAWN BY:
N/A

CHECKED BY:
WFL

DATE
11.21.2006

DATE
11.25.2006

REV#
3

REV#
4

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3

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2

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1

ENCLOSURE ROTATED 90 DEGREE
(DWG17585)

UPDATED PER ENC-149

FORMAT UPDATED

TERMINAL BLOCK ADDED

TEXT UPDATED

10/24/2014

06/20/2013

04/14/2011

06/30/2008

12/21/2006

N/A

N/A

N/A

N/A

N/A

9

8

7

6

BJS

N/A

N/A

N/A

10/03/2016

01/27/2016

04/01/2015

11/12/2014

DELETE AUX. CONTACT, TERM. BLOCKS, STRAIN RELIEF
CONNECTORS, DWG2725

101C435 REPLACED WITH 23013000 (DWG23141)

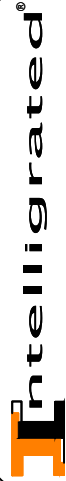
PART NUMBERS FOR CB06103 UPDATED
(DWG19382)

LAMACOID LABEL ADDED TO INTERNAL LAYOUT
(DWG17800)

REVISION DESCRIPTION

PROPRIETARY AND CONFIDENTIAL
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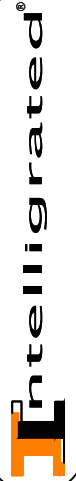
PROJECT REFERENCES
405D373



DCP_CR

75VDC CONDUCTOR RAIL

STANDARD PANEL

REVISION NO 7		NEXT PAGE 001	
PAGE 000			
TITLE: 75 VDC CONDUCTOR RAIL POWER PANEL		TITLE PAGE	
INSTALLATION	PAGE 000	NEXT PGE 001	SCALE
LOCATION	PROPOSAL/PROJECT No. STANDARD	DRAWN BY: N/A	CHECKED BY: JFM
DATE 07.10.2013		DATE 07.19.2013	
PROJECT REFERENCES # 420D265			
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			
			
REVISIONS			
REV#	REV BY	DATE	REVISION DESCRIPTION
5	N/A	05.22.2015	CB 282 UC-Z 32 REPLACED WITH S202UDC-232 (DWG20174)
4	N/A	11.12.2014	LAMACOID LABEL ADDED TO EXTERNAL LAYOUT (DWG17863)
3	N/A	08.19.2014	WIRING CLIP TO RE-1312 (DWG16787)
2	N/A	03.13.2014	UPDATED CB 1489-A1C040 TO 1489-A1C040 AND WIRING MODIFIED ON P.131 (DWG16787)
1	N/A	10.23.2013	AUX 1489-A4H43 TO 1489-A4H43 (DWG14688)
ADDED CONTACT TERMINAL NUMBERS (DWG23178)			
CB06127 REPLACED WITH IDEC# NC1V-2111-30AA ECO (#DWG21179)			

DESCRIPTION	SHEET
TITLE PAGE	000
TABLE OF CONTENTS	001
480 VAC POWER DISTRIBUTION	061
CONTROL POWER DISTRIBUTION	131
INTERNAL LAYOUT	251
EXTERIOR PANEL LAYOUT	259
BILL OF MATERIAL	970

REVISION NO 7		NEXT PAGE 061	
PAGE 001		001	

75 VDC CONDUCTOR RAIL POWER PANEL

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061

SCALE

PROPOSAL/PROJECT No.
STANDARD

DRAWN BY:
N/A

CHECKED BY:
JFM

DATE
07.10.2013

DATE
07.19.2013

REV#
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REV#
N/A
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REV BY
DATE
05.22.2015
11.12.2014
08.19.2014
03.13.2014
10.23.2013
DATE
01.27.2016
08.19.2015
DATE
01.27.2016
08.19.2015
DATE

CB 282 UC-Z 32 REPLACED WITH S202UDC-Z32 (DWG20174)
LAWACOID LABEL ADDED TO EXTERNAL LAYOUT (DWG17863)
CIRCUIT BREAKING CLIP TO RE-13132 (DWG16787)
UPDATED CB 1489-ATC040 TO 1489-ATC040 AND WIRING MODIFIED ON P.131 (DWG16787)
AUX 1489-AAH43 TO 1489-AMR43(DWG14688)
UPDATED CB06127 TO 2POLE CIRCUIT BREAKER (DWG13136)

REVISIONS

REVISION DESCRIPTION


PROPRIETARY AND CONFIDENTIAL

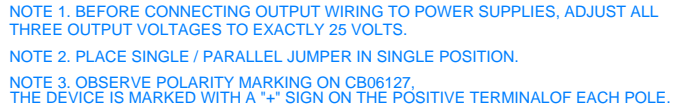
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PROJECT REFERENCES
420D265

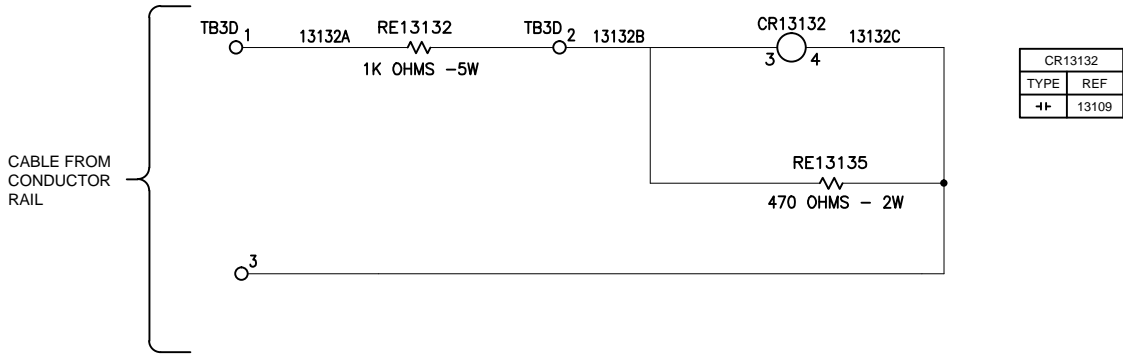
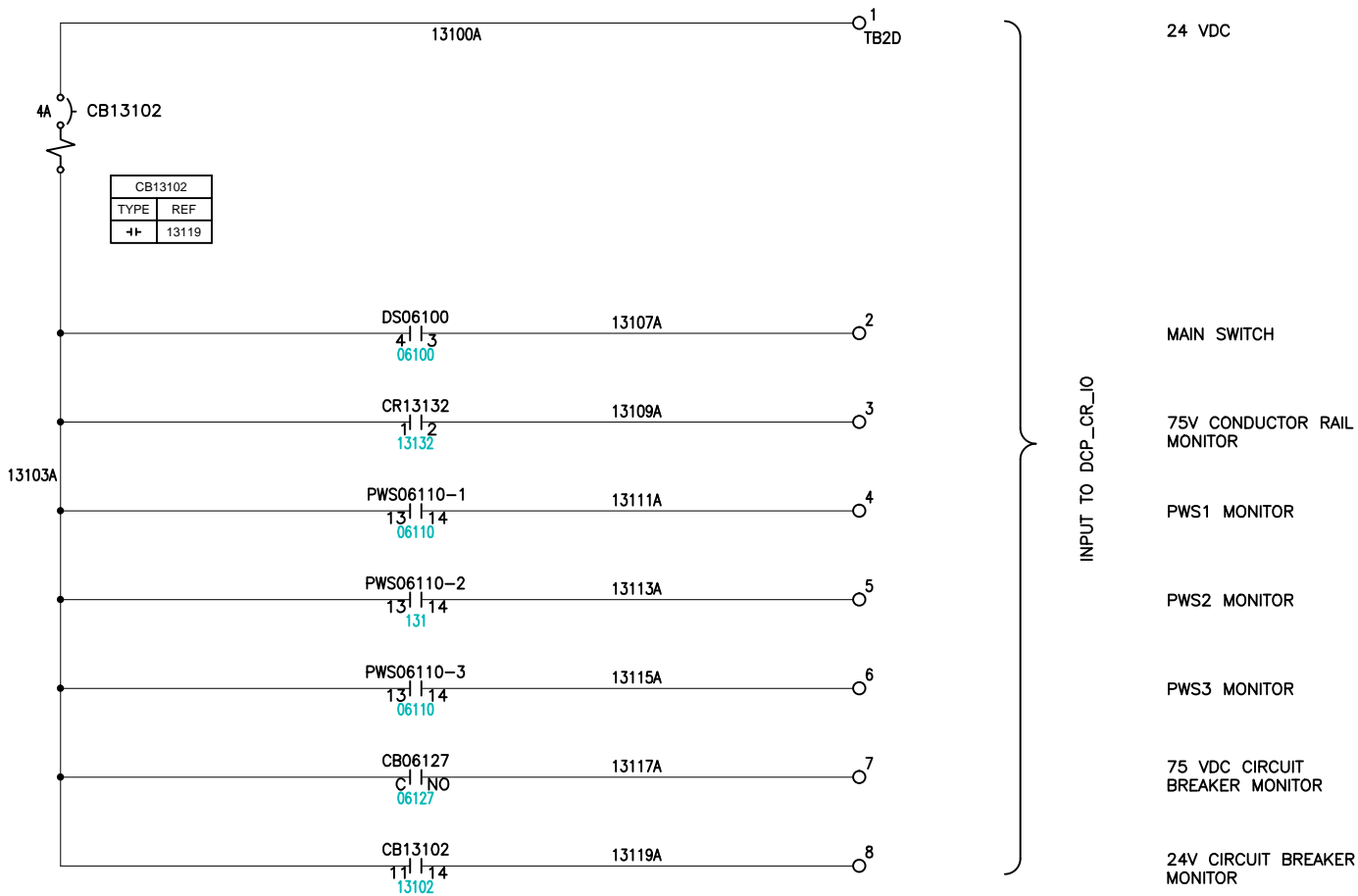
ADDED CONTACT TERMINAL NUMBERS (DWG23178)
CB06127 REPLACED WITH IDEC# NC1V-2111-30AA ECO (#DWG21179)

REVISION DESCRIPTION

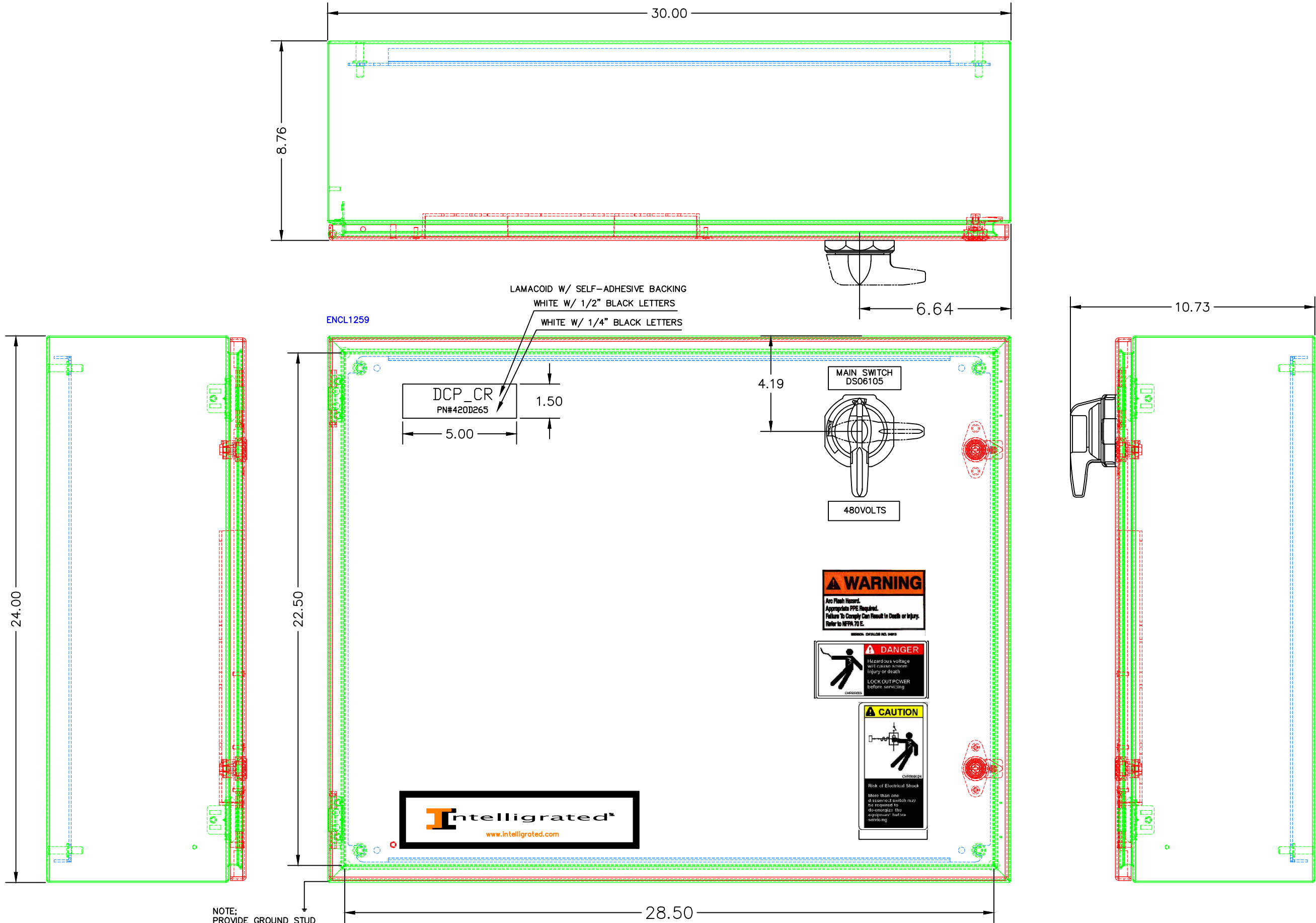


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TITLE: 75 VDC CONDUCTOR RAIL POWER PANEL CONTROL POWER DISTRIBUTION			
INSTALLATION	PAGE 131	NEXT PGE 251	SCALE STANDARD
LOCATION	DRAWN BY: N/A	CHECKED BY: JFM	DATE 07-10-2013
PROJECT REFERENCES # 420D265			
REVISIONS			
5	N/A	05.22.2015	CB 282 UC-Z 32 REPLACED WITH S202UDC-232 (DWG20174)
4	N/A	11-12-2014	LAMACOID LABEL ADDED TO EXTERNAL LAYOUT (DWG17863)
3	N/A	08-19-2014	WIRING CLIP TO RE13132 (DWG16787)
2	N/A	03-13-2014	UPDATED CB 1489-A1C040 TO 1489-A1C040 AND AUX 1489-A4H43 TO 1489-A4H43 (DWG14688)
1	N/A	10-23-2013	UPDATED CB06127 TO 2POLE CIRCUIT BREAKER (DWG13136)
REVISION DESCRIPTION			
REV#	REV BY	DATE	DESCRIPTION
7	N/A	01.27.2016	ADDED CONTACT TERMINAL NUMBERS (DWG23178)
6	N/A	08.19.2015	CB06127 REPLACED WITH IDEC# NC1V-2111-30AA ECO (#DWG21179)
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Intelligrated®			



REVISION NO		NEXT PAGE	
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TITLE: 75 VDC CONDUCTOR RAIL POWER PANEL		EXTERIOR PANEL LAYOUT	
INSTALLATION	PAGE	NEXT PGE	SCALE
	259	970	STANDARD
LOCATION	PROPOSAL/PROJECT No.	DRAWN BY:	DATE
		N/A	07.10.2013
CHECKED BY:	PROPOSAL/PROJECT No.	DRAWN BY:	DATE
		JFM	07.19.2013
PROJECT REFERENCES			
# 420D265			
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Intelligrated®			
REV#		REV BY	
5		N/A	
4		N/A	
3		N/A	
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REVISION DESCRIPTION		DATE	
CB 282 UC-Z 32 REPLACED WITH S202UDC-232 (DWG20174)		05.22.2015	
LAMACOID LABEL ADDED TO EXTERNAL LAYOUT (DWG17863)		11.12.2014	
WIRING CLIP TO RE-1312 (DWG16787)		08.19.2014	
UPDATED CB 1489-A1C040 TO 1489-A1C040 AND WIRING MODIFIED ON P.131 (DWG16787)		03.13.2014	
AUX 1489-A1H43 TO 1489-A1H43 (DWG14688)		10.23.2013	
UPDATED CB06127 TO 2POLE CIRCUIT BREAKER (DWG13136)		08.19.2015	
ADDED CONTACT TERMINAL NUMBERS (DWG23178)		01.27.2016	
ECO (#DWG21179)		08.19.2015	

TAG	DESCRIPTION	CATALOG	MFG	INTERNAL #	QTY
CB06127	CIRCUIT BREAKER, 2P 30A MEDIUM DELAY TRIP CURVE, 1 AUX	NC1V-2111-30AA	IDEC	427D289	1
CB13102	AUX CON 1NO 1NC A-B 1489 SERIES	1489-AMRA3	AB	422D372	1
	CIRCUIT BREAKER, 1489 SERIES 1POLE 4AMP	1489-M1C040	AB	422D369	1
CR13132	CONTROL SOLID STATE RELAY (SSR) 60 VDC, 3 AMP, DC	DS60S3	OPTO 22	23484600	1
	DIN RAIL ADAPTER FOR RD2001-D RELAY	RHS-00	CARLO GAVAZZI	418D113	1
D06119	POWER MODULES STANDARD DIODE, 100 A	VSKE91/04	VISHAY	415D704	1
	HEAT SINK, PANEL MOUNT, 0.7 C/W	HS072	CRYDOM	415D698	1
DB06100	POWER DISTRIBUTION BLOCK, 3P - #14-2/0 (1)-#14-4 (4)	9080LBA362104	SQUARE-D	181A436	1
DS06100	DISCONNECT SWITCH, 30 AMP FUSED	194R-J30-1753	AB	23479900	1
	FUSE 20AMP	LPJ-20SP	BUSSMANN	23008600	3
	AUX CONTACT, 1 NO	800F-X10	AB	23256500	1
	OPERATING HANDLE: BLACK	194R-PB	AB	419D993	1
	OPERATING SHAFT WITH INTERNAL HANDLE	194R-N1	AB	419D994	1
ENCL1259	CONCEPT WALL-MOUNT ENCLOSURE 24X30X8	CSD24308	HOFFMAN	403D666	1
	BACK PLANE 30X24INCH	CP3024	HOFFMAN	8100669	1
	SAFETY LABEL, HAZARDOUS VOLTAGE	CHR930003	CONVEYOR EQUIPMENT	180A948	1
	SAFETY LABEL, "CAUTION MULTIPLE POWER"	CVR950024	CONVEYOR EQUIPMENT	401D501	1
	LABEL, WARNING "ARC FLASH HAZARD" 3 1/2"X5"	94913	BRADY	29136500	1
GND	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-JG10	AB	403D726	2
GND251	GROUNDING LUG 4-14AWG	TA-6-S	ILSCO	418D158	1
PWS06110-1	3-PHASE POWER SUPPLY 480V-24VDC, 40A	QT40.241	PULS	415D046	1
PWS06110-2	3-PHASE POWER SUPPLY 480V-24VDC, 40A	QT40.241	PULS	415D046	1
PWS06110-3	3-PHASE POWER SUPPLY 480V-24VDC, 40A	QT40.241	PULS	415D046	1
RE13132	RESISTOR, WIREWOUND, 1KOHM, 5W, 5%	95J1K0E (NEWARK 65K0557)	OHMITE	418D119	1
	MOUNTING CLIP FOR OHMITE 95J1K0E RESISTOR	5906	OHMITE	423D914	1
RE13135	RESISTOR, CARBON FILM, 47KOHM, 2W,	MCF 2W 47K (NEWARK 38K0457)	MULTICOMP	418D118	1
TB1D	END ANCHOR	1492-EAJ35	AB	23441900	1
TB1D	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J10	AB	1703892	2
	END BARRIER; 1492-J	1492-EBJ3	AB	23441700	1
	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-JG10	AB	403D726	1
TB2D	END ANCHOR	1492-EAJ35	AB	23441900	3
TB2D	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J4	AB	1703880	8
	END BARRIER; 1492-J	1492-EBJ3	AB	23441700	1
TB3D	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J4	AB	1703880	3

REVISION NO
7
PAGE

75 VDC CONDUCTOR RAIL POWER PANEL
BILL OF MATERIAL

REVISION NO
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REV#

05.22.2015

11.12.2014

08.19.2014

03.13.2014

10.23.2013

DATE

07.10.2013

07.19.2013

DATE

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REV BY

CB 282 UC-Z 32 REPLACED WITH S202UDC-232 (DWG20174)

LAMACOID LABEL ADDED TO EXTERNAL LAYOUT (DWG17860)

CLIPPING CLIP TO RE13132 (DWG16787)

UPDATED CB 1489-M1C040 TO 1489-M1C040 AND WIRING MODIFIED ON P.131 (DWG16787)

AUX 1489-AAH43 TO 1489-AMRA3(DWG14688)

UPDATED CB06127 TO 2POLE CIRCUIT BREAKER (DWG13136)

REVISION DESCRIPTION

ADDED CONTACT TERMINAL NUMBERS (DWG23178)

CB06127 REPLACED WITH IDEC# NC1V-2111-30AA ECO (#DWG21179)

REVISION DESCRIPTION


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420D265

STANDARD

970




DCP_PS

24 VDC DISTRIBUTED

CONTROL PANEL

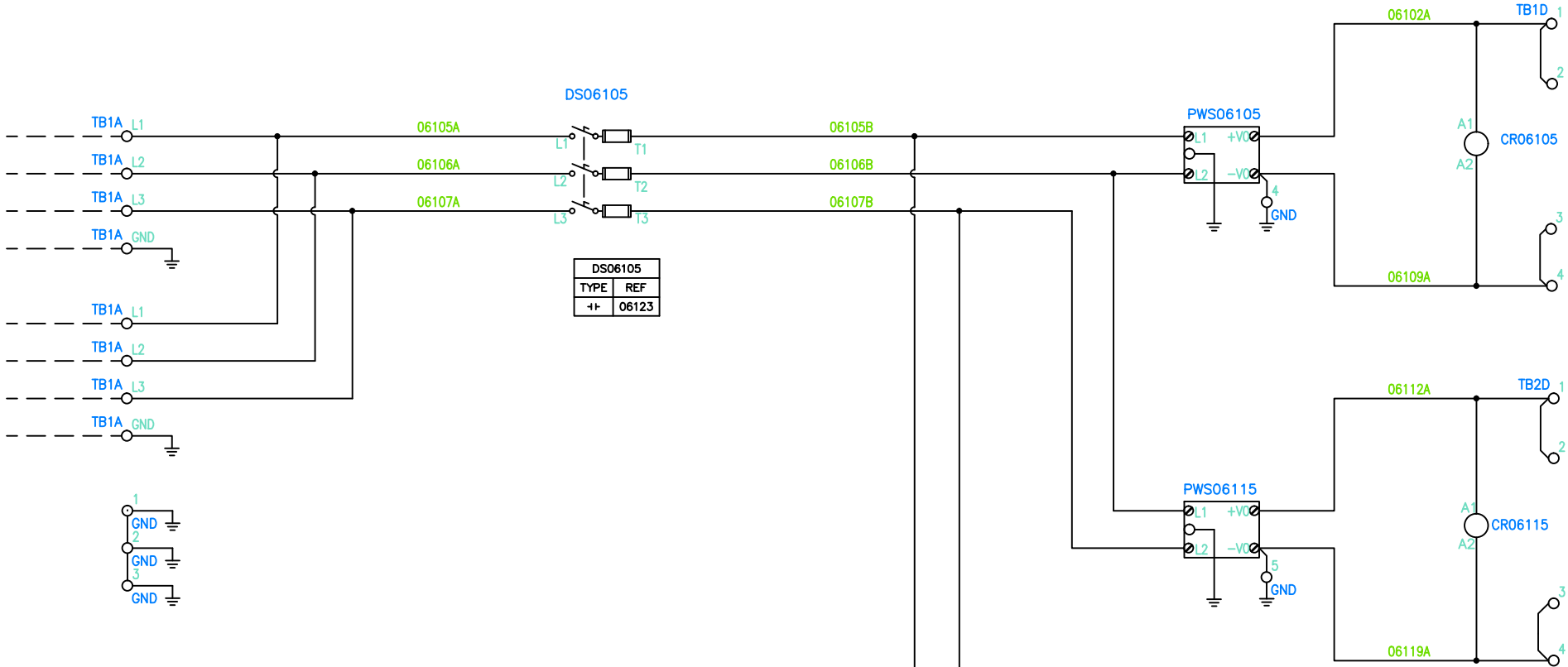
TITLE: 24 VDC DISTRIBUTION CONTROL PANEL TITLE PAGE				REVISION NO <div style="font-size: 24pt; font-weight: bold;">3</div>		NEXT PAGE <div style="font-size: 24pt; font-weight: bold;">001</div>			
INSTALLATION LOCATION				PAGE <div style="font-size: 24pt; font-weight: bold;">000</div>		DRAWN BY: NLA		DATE 10.07.2013	
PROPOSAL/PROJECT No. STANDARD				CHECKED BY:		DATE		DATE	
NEXT PGE 001				SCALE NTS		DRAWN BY: NLA		DATE 10.07.2013	
REVISION NO <div style="font-size: 24pt; font-weight: bold;">3</div>				NEXT PAGE <div style="font-size: 24pt; font-weight: bold;">001</div>		DRAWN BY: NLA		DATE 10.07.2013	
PROPOSAL/PROJECT No. STANDARD				CHECKED BY:		DATE		DATE	
NEXT PGE 001				SCALE NTS		DRAWN BY: NLA		DATE 10.07.2013	
REVISION NO <div style="font-size: 24pt; font-weight: bold;">3</div>				NEXT PAGE <div style="font-size: 24pt; font-weight: bold;">001</div>		DRAWN BY: NLA		DATE 10.07.2013	

DESCRIPTION	SHEET
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INTERNAL LAYOUT	251
EXTERNAL LAYOUT	259
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PAGE 001		001	
TITLE: 24 VDC DISTRIBUTION CONTROL PANEL			
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INSTALLATION	PAGE 001	NEXT PGE 061	SCALE NTS
LOCATION	DRAWN BY: NLA	CHECKED BY:	DATE 10.07.2013
PROPOSAL/PROJECT No.		STANDARD	
REV# REV BY DATE			
3 BJS 01.14.2016			
2 NLA 11.13.2014			
1 NLA 10.22.2014			
REVISION DESCRIPTION			
ADDED 3 POLE TERM. JUMPERS TO TB1D-3D WIRE JUMPERS ONLY TB4D (DWG 23043)			
LAWACOD LABEL ADDED TO EXTERNAL LAYOUT (DWG17801)			
WIRING NUMBERS UPDATED ON PAGE 251 JUMPER ADDED PAGE 061 (DWG17546)			
PROJECT REFERENCES 420D707			
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FROM MAIN POWER
PANEL OR PREVIOUS
POWER SUPPLY BOX



TO SORTER 24VDC
I/O SUPPLY

CR06105	
TYPE	REF
+	06127

TO SORTER 24VDC
I/O SUPPLY

CR06115	
TYPE	REF
+	06132

TO SORTER 24VDC
I/O SUPPLY

CR06125	
TYPE	REF
+	06136

INPUT TO
PLC

PROVIDE WIRE
JUMPERS ONLY
ON TB4D



MAIN SWITCH
MONITOR

PS 1 MONITOR

PS 2 MONITOR

PS 3 MONITOR

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PAGE		061	

24 VDC DISTRIBUTION CONTROL PANEL

POWER DISTRIBUTION

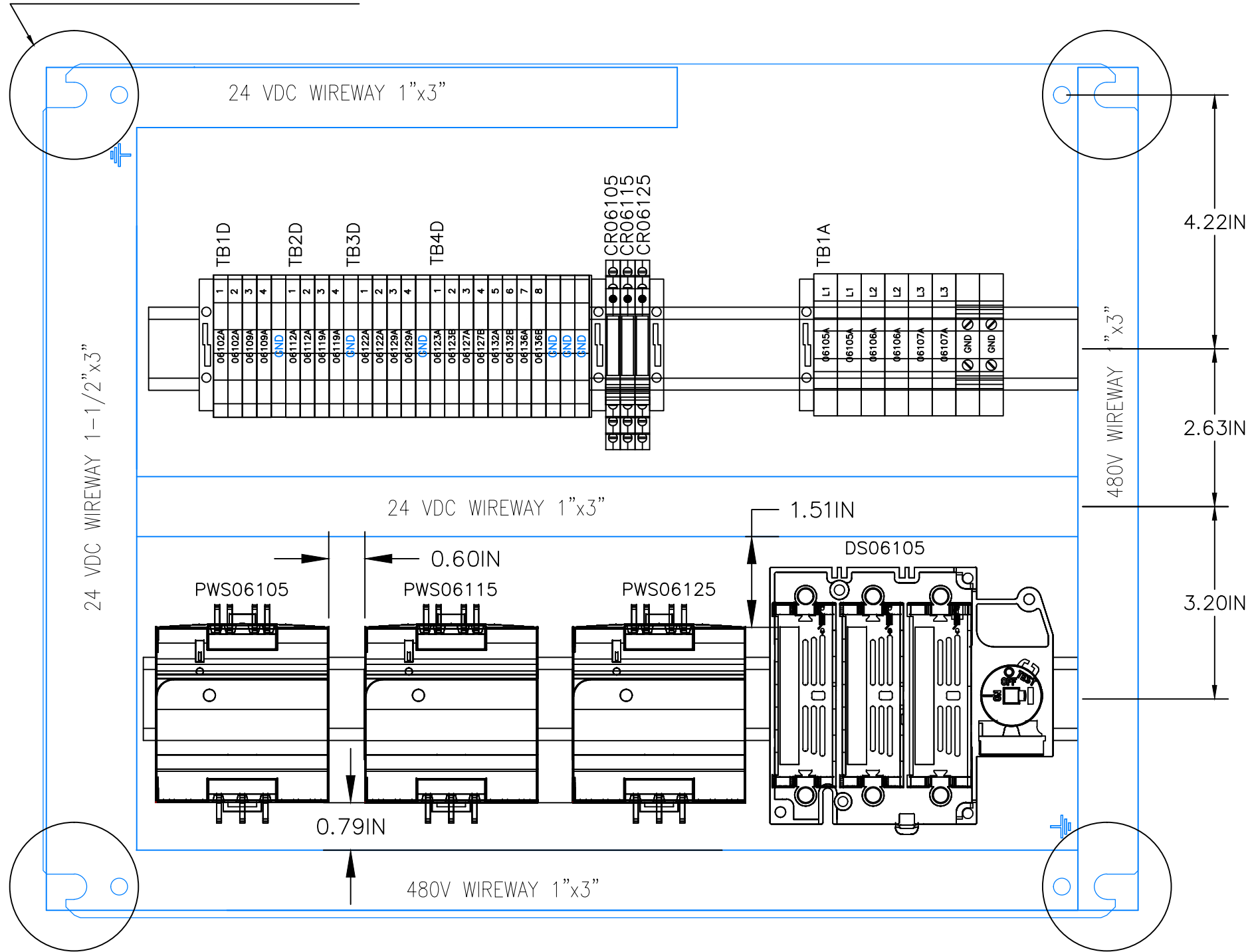
INSTALLATION	PAGE	NEXT PGE	SCALE	DATE	DATE
LOCATION	061	251	NTS	10.07.2013	

REV#	REV BY	DATE	REVISION DESCRIPTION
1	NLA	10.22.2014	WIRING NUMBERS UPDATED ON JUMPER ADDED PAGE 061 (DWG17546)
2	NLA	11.13.2014	LAMACORD LABEL ADDED TO EXTERNAL LAYOUT (DWG17801)
3	BJS	01.14.2016	ADDED 2 POLE TERM. JUMPERS TO TB1D-3D WIRE JUMPERS ONLY TB4D (DWG 23043)

PROJECT REFERENCES
420D707

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NOTE:
CUT BOTTOM OF WIREWAY TO CLEAR
PANEL MOUNTING NUTS TO ENSURE GROUNDING
(4 PLACES)



REVISION NO		NEXT PAGE	
3		259	
PAGE		PAGE	
251		251	

TITLE		24 VDC DISTRIBUTION CONTROL PANEL	
INTERNAL LAYOUT <td colspan="2">INTERNAL LAYOUT</td>		INTERNAL LAYOUT	
INSTALLATION	PAGE	SCALE	DATE
LOCATION	251	NTS	10.07.2013
PROPOSAL/PROJECT No.	259	CHECKED BY:	DATE
STANDARD			

REV#	REV BY	DATE	REVISION DESCRIPTION
1	NLA	10.22.2014	WIRING NUMBERS UPDATED ON PAGE 251
2	NLA	11.13.2014	WIRING NUMBERS UPDATED ON PAGE 251
3	BJS	01.14.2016	ADDED 2 POLE TERM. JUMPERS TO TB1D-3D WIRE JUMPERS ONLY TB4D (DWG 23043)

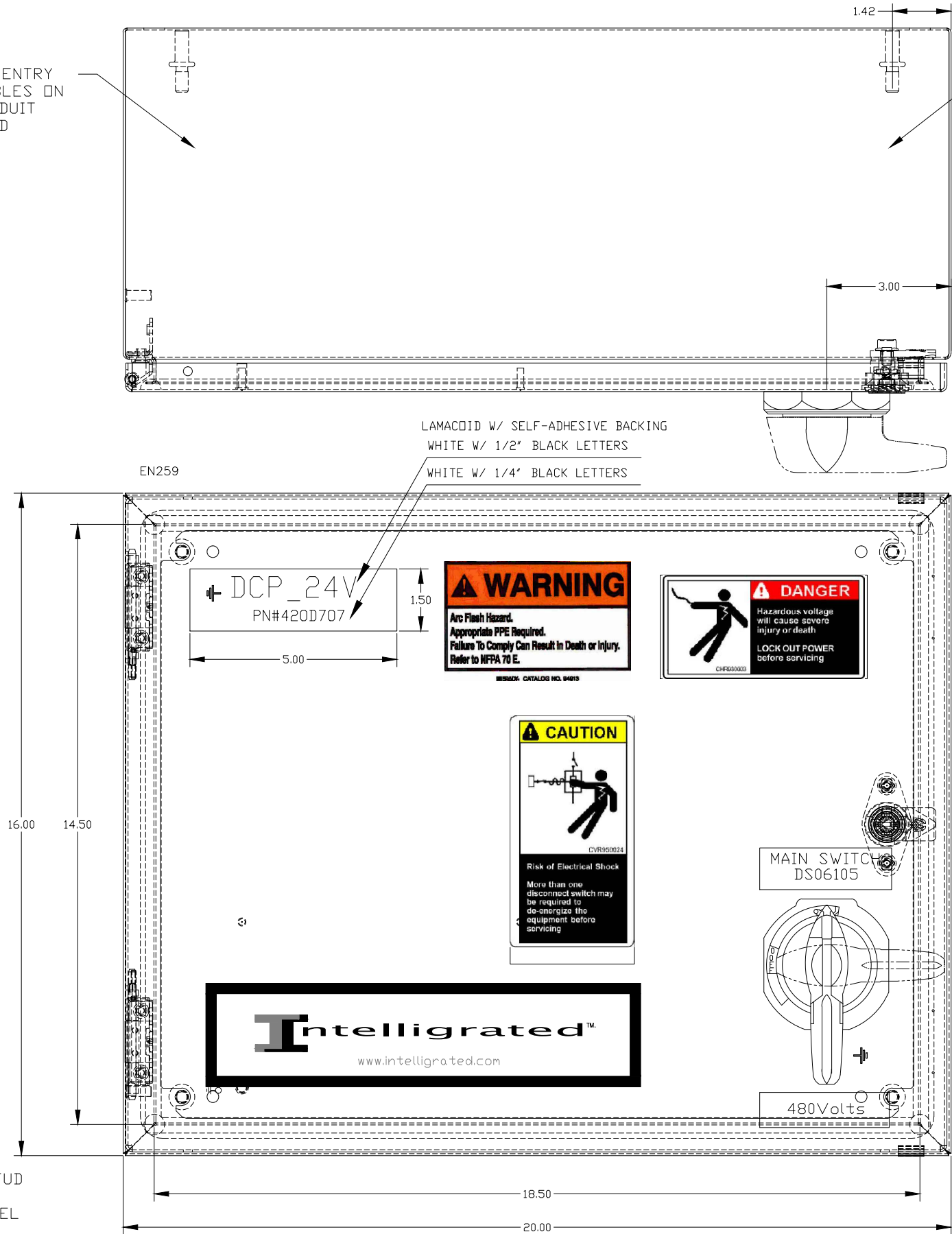
PROJECT REFERENCES
420D707

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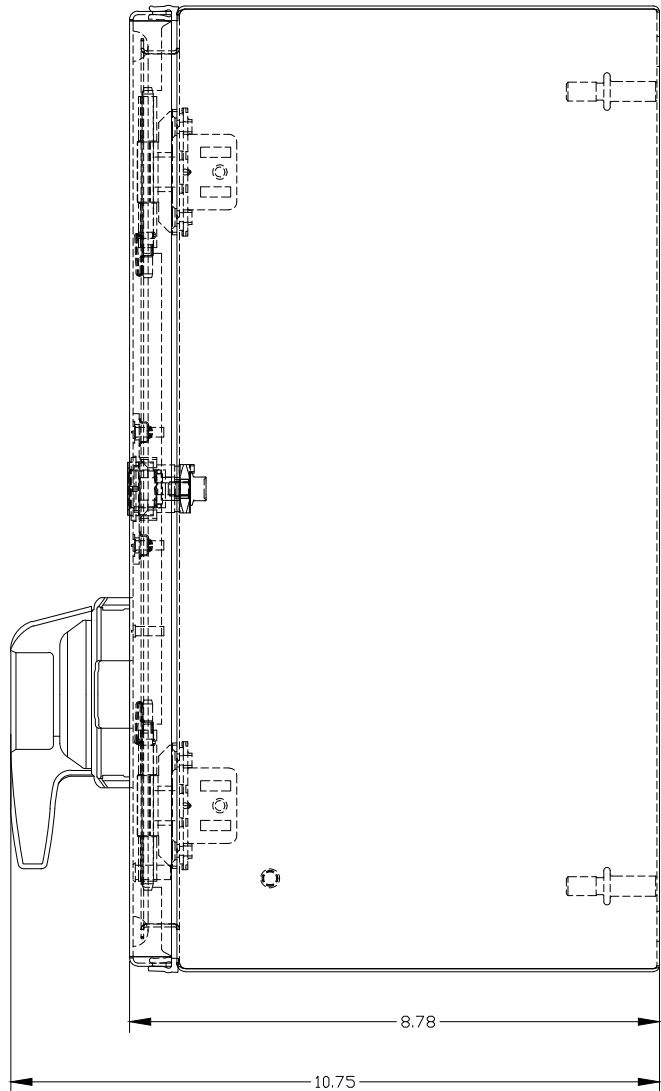
Intelligent

NOTE: CONDUIT ENTRY
24V & I/O CABLES ON
TOP LEFT (CONDUIT
ENTRY BY FIELD
INSTALLER)

NOTE: CONDUIT ENTRY
480 VOLTS IN AND
OUT ON TOP RIGHT.
(CONDUIT ENTRY BY
FIELD INSTALLER)



NOTE;
PROVIDE GROUND STUD
AND WIRE JUMPER
FROM MOUNTING PANEL
TO DOOR INTERIOR.



REVISION NO										NEXT PAGE									
3										970									
PAGE										PAGE									
TITLE: 24 VDC DISTRIBUTION CONTROL PANEL										EXTERNAL LAYOUT									
INSTALLATION		PAGE		NEXT PAGE		SCALE		DRAWN BY:		DATE		PROJECT REFERENCES		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®	
LOCATION		259		970		NTS		NLA		10.07.2013		420D707		REVISION DESCRIPTION		REVISION DESCRIPTION			
								CHECKED BY:		DATE		REV#		REV BY		DATE			
												REV#		REV BY		DATE			
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TAG	DESCRIPTION	CATALOG	MFG	INTERNAL #	QTY
CR06105	RELAY MODULE PLC-RSC-24DC/21, 1PDT, 24VDC	2966171	PHOENIX CONTACT	407D984	1
CR06115	RELAY MODULE PLC-RSC-24DC/21, 1PDT, 24VDC	2966171	PHOENIX CONTACT	407D984	1
CR06125	RELAY MODULE PLC-RSC-24DC/21, 1PDT, 24VDC	2966171	PHOENIX CONTACT	407D984	1
DS06105	DISCONNECT SWITCH, 30 AMP FUSED	194R-J30-1753	AB	23479900	1
	FUSE 10AMP	LPJ-10SP	BUSSMANN	23008300	3
	AUX CONTACT, 1 NO	800F-X10	AB	23256500	1
	OPERATING HANDLE: BLACK	194R-PB	AB	419D993	1
	OPERATING SHAFT WITH INTERNAL HANDLE	194R-N1	AB	419D994	1
EA0251	END ANCHOR	1492-EAJ35	AB	23441900	4
EN259	CONCEPT WALL-MOUNT ENCLOSURE	CSD16208	HOFFMAN	EL02160056	1
	BACK PLANE 16X12INCH	CP2016	HOFFMAN	418D987	1
	LABEL, WARNING "ARC FLASH HAZARD" 3 1/2"X5"	94913	BRADY	29136500	1
	SAFETY LABEL, HAZARDOUS VOLTAGE	CHR930003	CONVEYOR EQUIPMENT	180A948	1
	SAFETY LABEL, "CAUTION MULTIPLE POWER"	CVR950024	CONVEYOR EQUIPMENT	9000145	1
GND	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-JG4	AB	1704434	6
PWS06105	2-PHASE POWER SUPPLY 480V-24VDC, 4A, CLASS 2	1606-XLP90E-2	AB	23477300	1
PWS06115	2-PHASE POWER SUPPLY 480V-24VDC, 4A, CLASS 2	1606-XLP90E-2	AB	23477300	1
PWS06125	2-PHASE POWER SUPPLY 480V-24VDC, 4A, CLASS 2	1606-XLP90E-2	AB	23477300	1
TB1A	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J10	AB	1703892	6
	SCREW CENTER JUMPER - 2 POLE	1492-CJJ10-2	AB	404D571	3
	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-JG10	AB	403D726	2
TB1D	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J4	AB	1703880	4
	JUMPER 2P J4	1492-CJJ6-2	AB	404D570	2
TB2D	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J4	AB	1703880	4
	JUMPER 2P J4	1492-CJJ6-2	AB	404D570	2
TB3D	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J4	AB	1703880	4
	JUMPER 2P J4	1492-CJJ6-2	AB	404D570	2
TB4D	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J4	AB	1703880	8
	END BARRIER; 1492-J	1492-EBJ3	AB	23441700	1

24 VDC DISTRIBUTION CONTROL PANEL BILL OF MATERIAL										REVISION NO <div style="font-size: 24pt; font-weight: bold;">3</div>		REVISION DESCRIPTION	
										DATE 10.07.2013		DATE 10.07.2013	
INSTALLATION LOCATION				PAGE 970		SCALE NTS		DRAWN BY: NLA		CHECKED BY: NLA			
PROPOSAL/PROJECT No. STANDARD						PROJECT REFERENCES 420D707							
NOTES													
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> 1. N/A 2. N/A 3. BJS </div> <div style="width: 30%;"> 10.22.2014 11.13.2014 01.14.2016 </div> <div style="width: 30%;"> WIRING NUMBERS UPDATED ON PAGE 231 JUMPER ADDED PAGE 061 (DWG17546) LAWACOID LABEL ADDED TO EXTERNAL LAYOUT WIRE JUMPERS ONLY TBAD (DWG 23043) ADDED 2 POLE TERM. JUMPERS TO TB1D-3D </div> </div>													
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