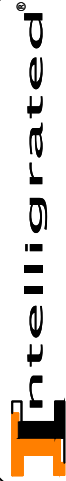
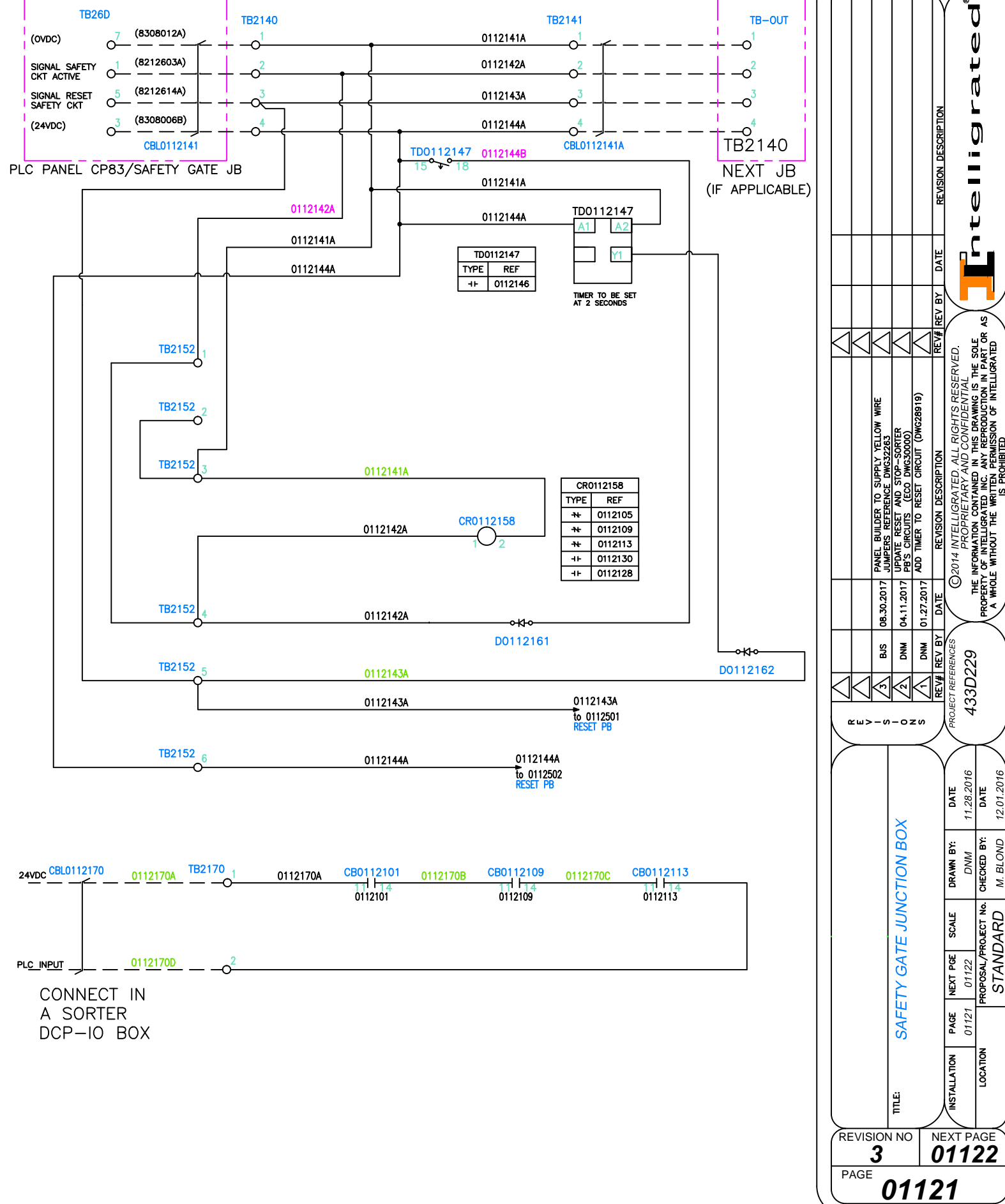
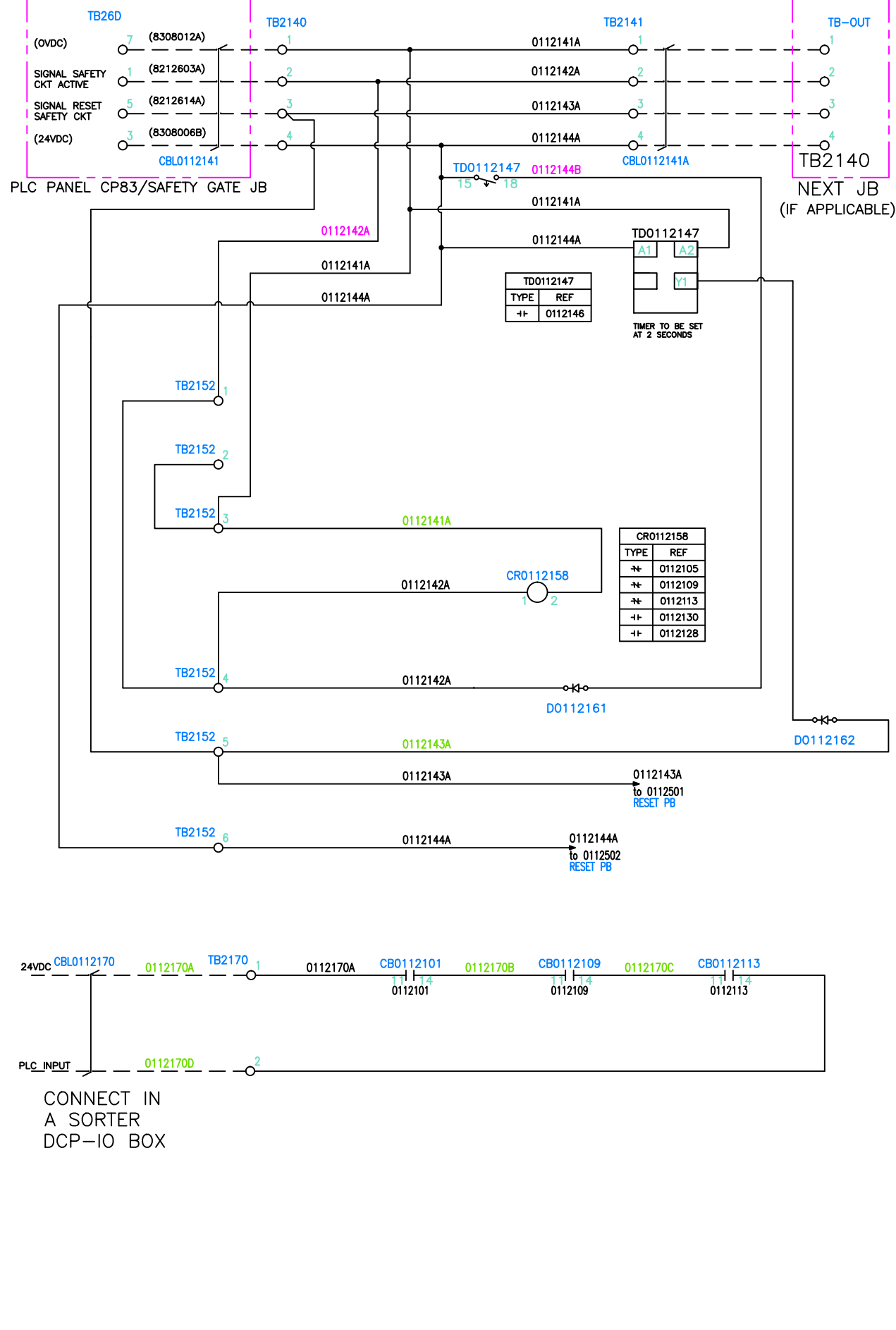
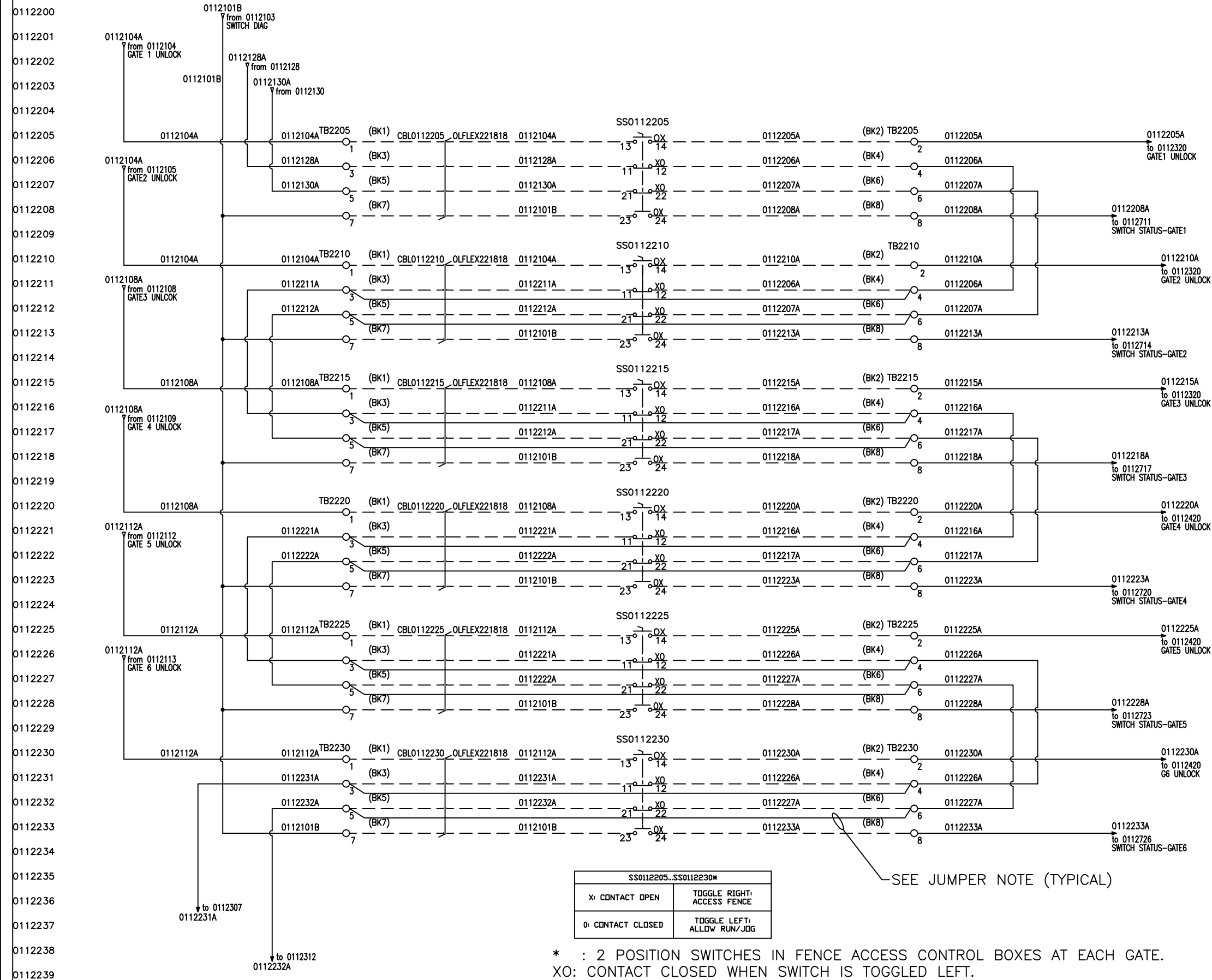


SAFETY GATE JUNCTION BOX
AMAZON

REVISION NO 3		NEXT PAGE 01001	
PAGE 01000			
TITLE: SAFETY GATE JUNCTION BOX		TITLE PAGE	
INSTALLATION	PAGE 01000	NEXT PGE 01001	SCALE
LOCATION	PROPOSAL/PROJECT No. STANDARD		
DRAWN BY: DMM		DATE 11.28.2016	
CHECKED BY: M. BLOND		DATE 12.01.2016	
PROJECT REFERENCES 433D229			
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REV# REV BY DATE REVISION DESCRIPTION			
3	BJS	08.30.2017	PANEL BUILDER TO SUPPLY YELLOW WIRE JUMPS - REFERENCE DWG32283
2	DNM	04.11.2017	UPDATE RESET AND STOP-SORTER PES CIRCUITS (ECO DWG30000)
1	DNM	01.27.2017	ADD TIMER TO RESET CIRCUIT (DWG28919)





GATE 1
ACCESS REQUEST

GATE 2
ACCESS REQUEST

GATE 3
ACCESS REQUEST

GATE 4
ACCESS REQUEST

GATE 5
ACCESS REQUEST

GATE 6
ACCESS REQUEST

JUMPER NOTE:
PANEL BUILDER SHALL PROVIDE
YELLOW WIRE JUMPER AND
LABEL "JUMPER" AS SHOWN.

* : 2 POSITION SWITCHES IN FENCE ACCESS CONTROL BOXES AT EACH GATE.
XO: CONTACT CLOSED WHEN SWITCH IS TOGGLED LEFT.
OX: CONTACT CLOSED WHEN SWITCH IS TOGGLED RIGHT.

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REV#	REV BY	DATE	REVISION DESCRIPTION
3	BJS	08.30.2017	PANEL BUILDER TO SUPPLY YELLOW WIRE JUMPER (REFERENCE DWG32263)
2	DNM	04.11.2017	UPDATE RESET AND STOP-SORTER PPS CIRCUITS (ECO DWG30000)
1	DNM	01.27.2017	ADD TIMER TO RESET CIRCUIT (DWG28919)

PROJECT REFERENCES

433D229

TITLE:

SAFETY GATE JUNCTION BOX

INSTALLATION	PAGE	NEXT PGE	SCALE	DRAWN BY:	CHECKED BY:	DATE
LOCATION	01122	01123	PROPOSAL/PROJECT No.	DNM	M. BLOND	11.28.2016

STANDARD

12.01.2016

REVISION NO

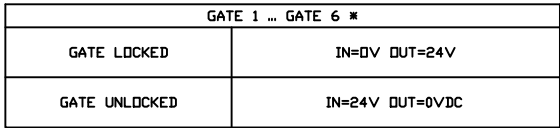
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NEXT PAGE

01123

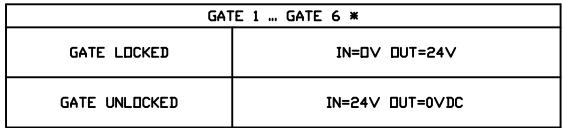
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01122



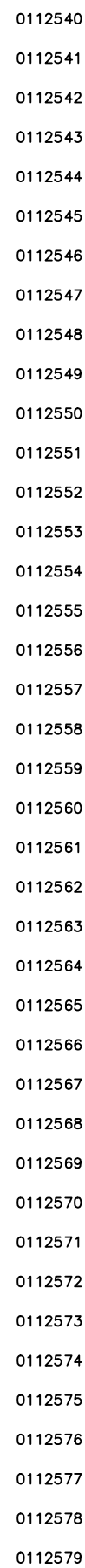
- JUMPER NOTE:
PANEL BUILDER SHALL PROVIDE
YELLOW WIRE JUMPER AND
LABEL "JUMPER" AS SHOWN.

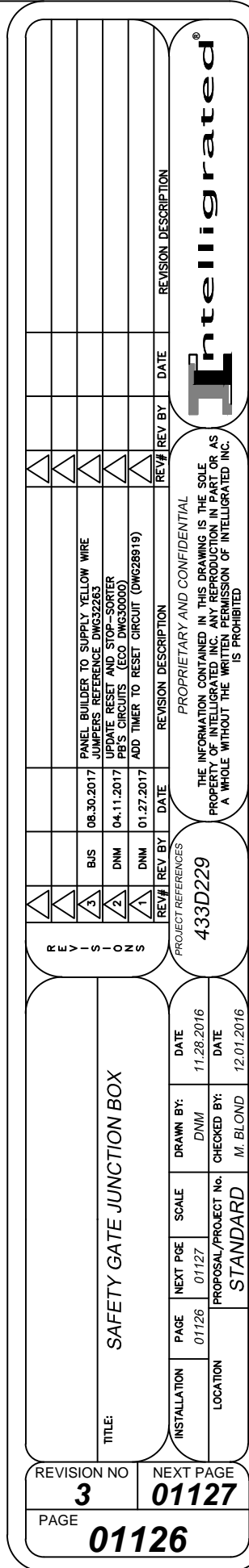
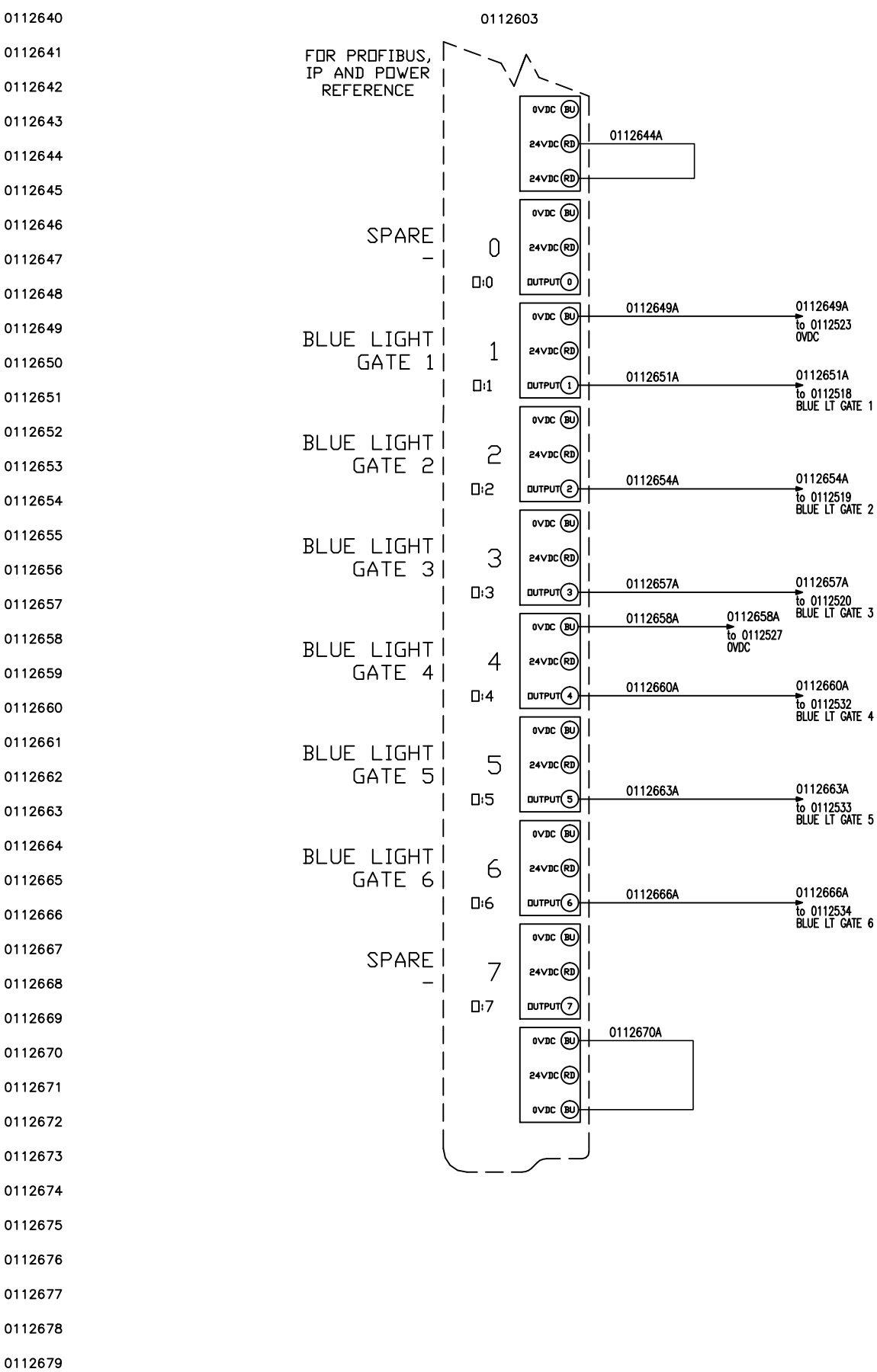
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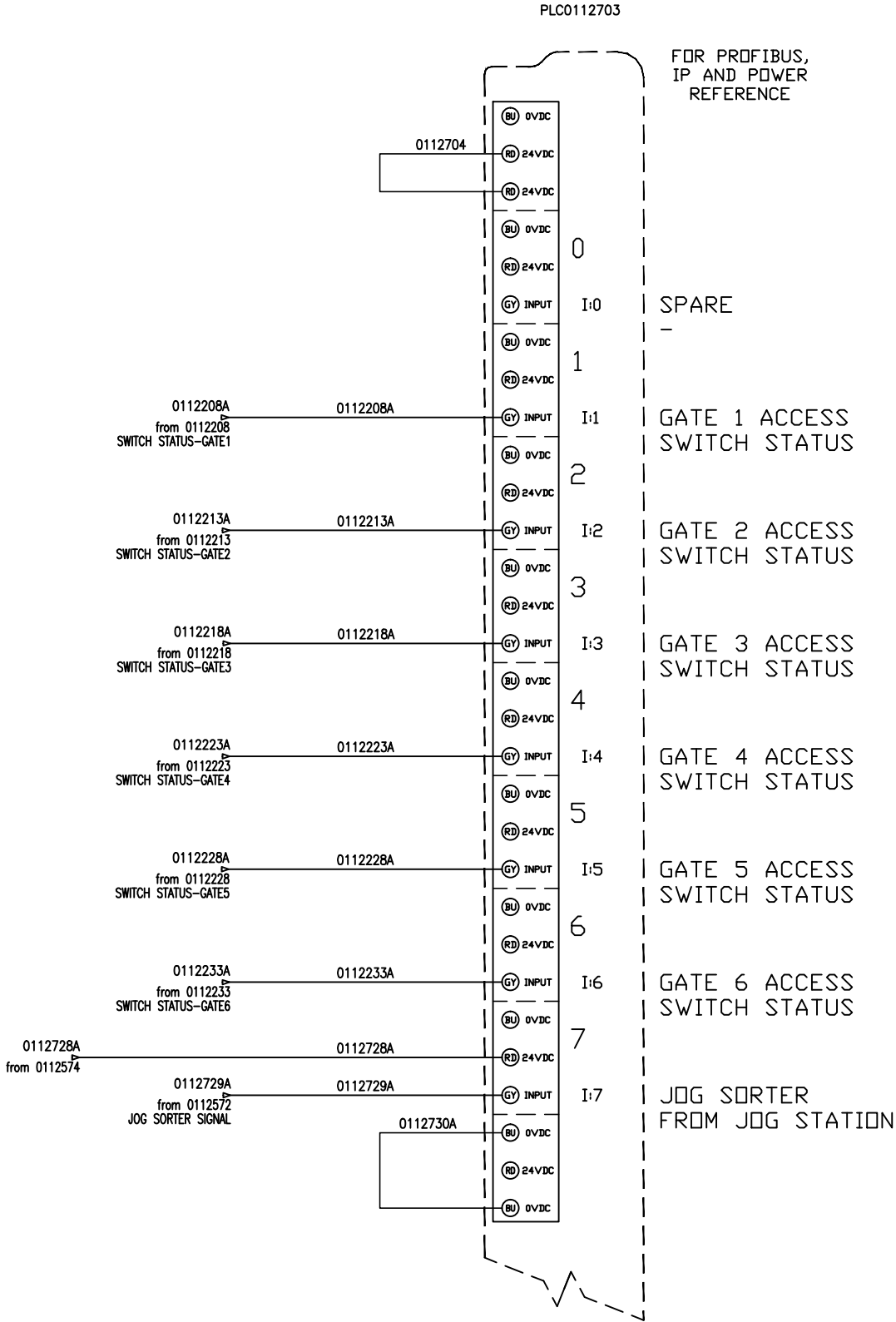
- JUMPER NOTE:
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YELLOW WIRE JUMPER AND
LABEL "JUMPER" AS SHOWN.

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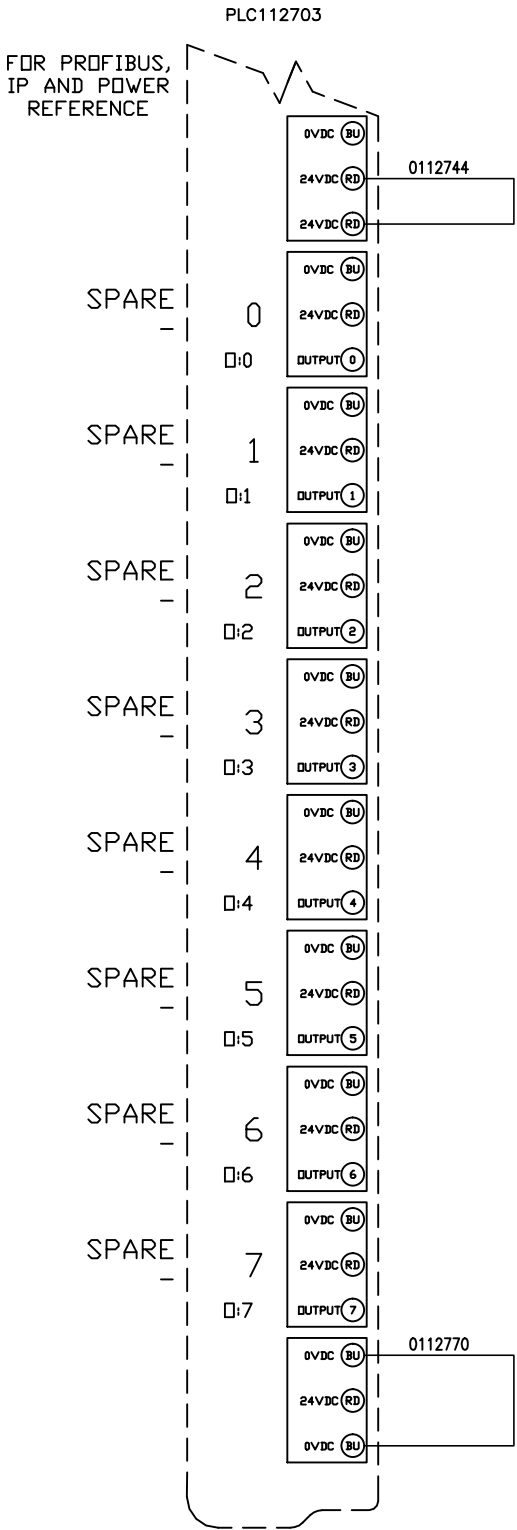
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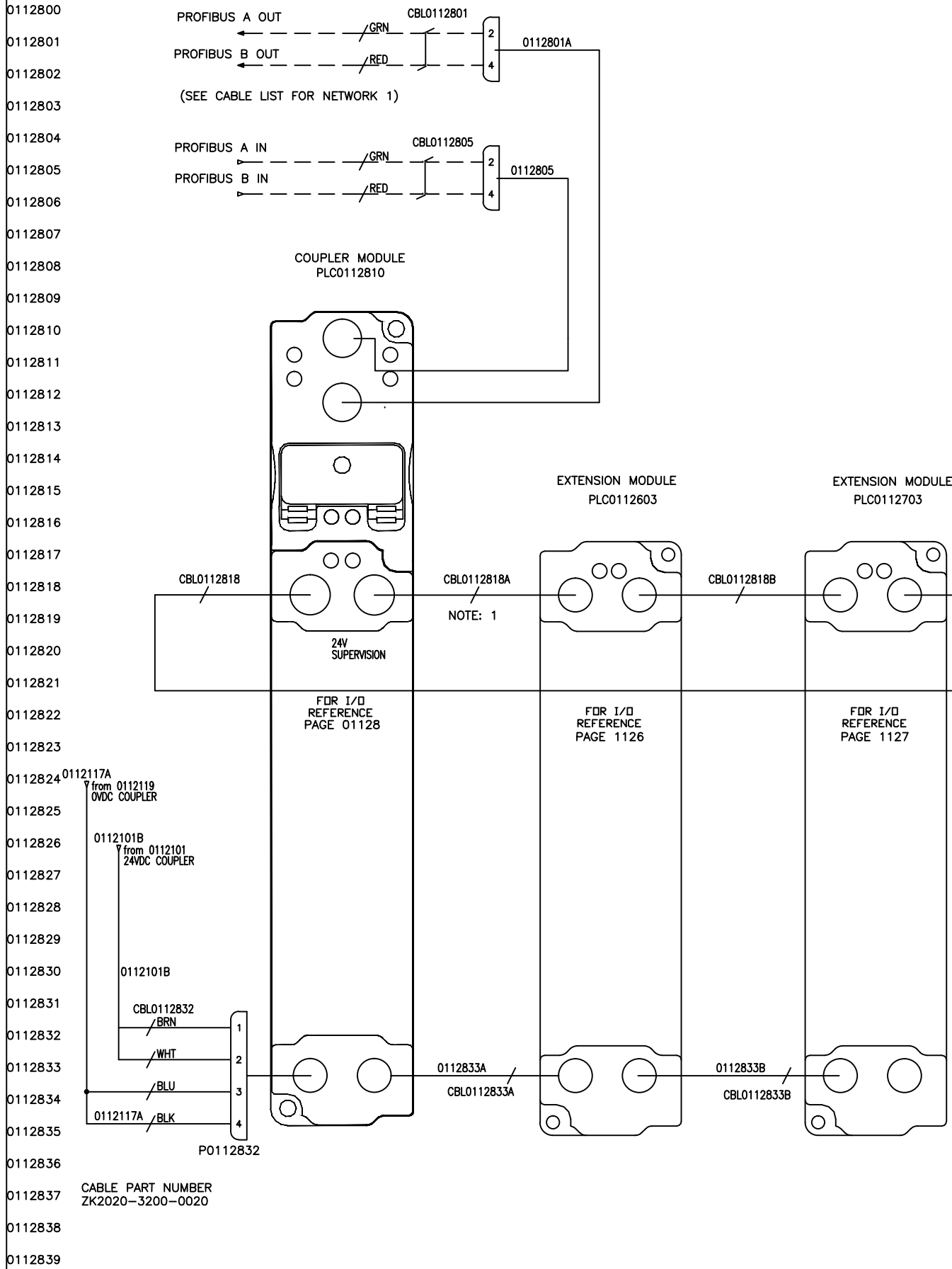
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TITLE: SAFETY GATE JUNCTION BOX		REVISION NO 3		NEXT PAGE 01128	
PAGE 01127		SCALE STANDARD		PROJECT NO. 433D229	
INSTALLATION LOCATION		DRAWN BY: DNM		DATE 11.28.2016	
CHECKED BY: M. BLOND		DATE 12.01.2016		REVISION DESCRIPTION	
REV#		REV BY		DATE	
1		DNM		01.27.2017	
2		DNM		04.11.2017	
3		BJS		08.30.2017	
4		TANIEL BUDLER TO SUPPLY YELLOW WIRE JUMPS - REFERENCE DWG32283			
5		UPDATE RESET AND STOP-SORTER PES CIRCUITS (ECO DWG30000)			
6		ADD TIMER TO RESET CIRCUIT (DWG28919)			

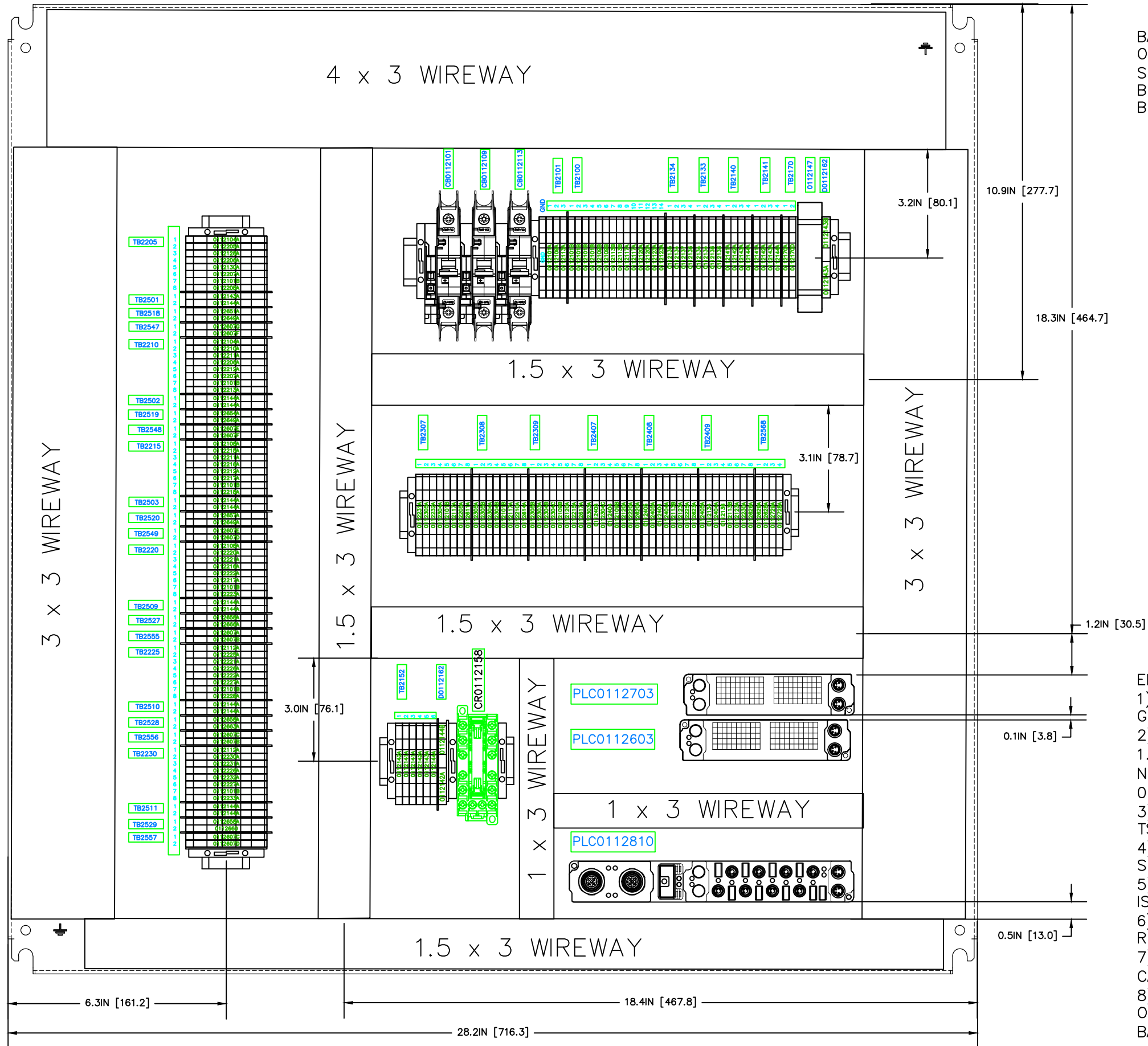
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TITLE: SAFETY GATE JUNCTION BOX		REVISION NO 3		NEXT PAGE 01251	
PAGE 01128		SCALE 01251		PROPOSAL/PROJECT No. STANDARD	
INSTALLATION LOCATION		DRAWN BY: DNM		DATE 11.28.2016	
		CHECKED BY: M. BLOND		DATE 12.01.2016	
PROJECT REFERENCES 433D229					
REVISION DESCRIPTION DATE REV#					
01.27.2017 1 ADD TIMER TO RESET CIRCUIT (DWG28919)					
04.11.2017 2 UPDATE RESET AND STOP-SORTER PDS CIRCUITS (ECO DWG30000)					
08.30.2017 3 BJS JUMPER REFERENCE (DWG32263)					
TANIEL BUILDER TO SUPPLY YELLOW WIRE					
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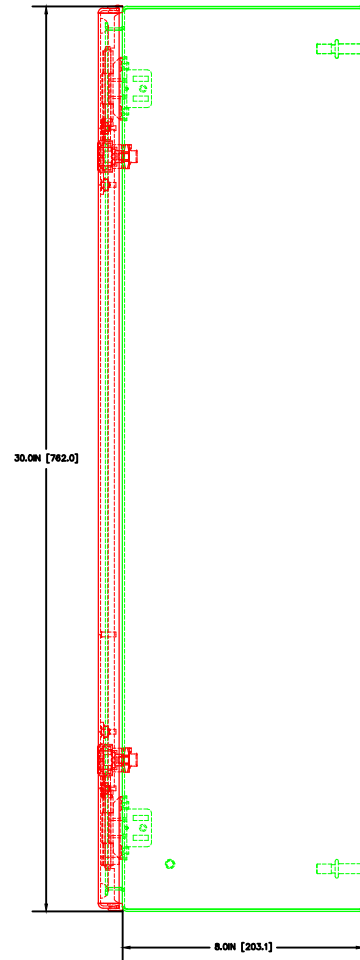
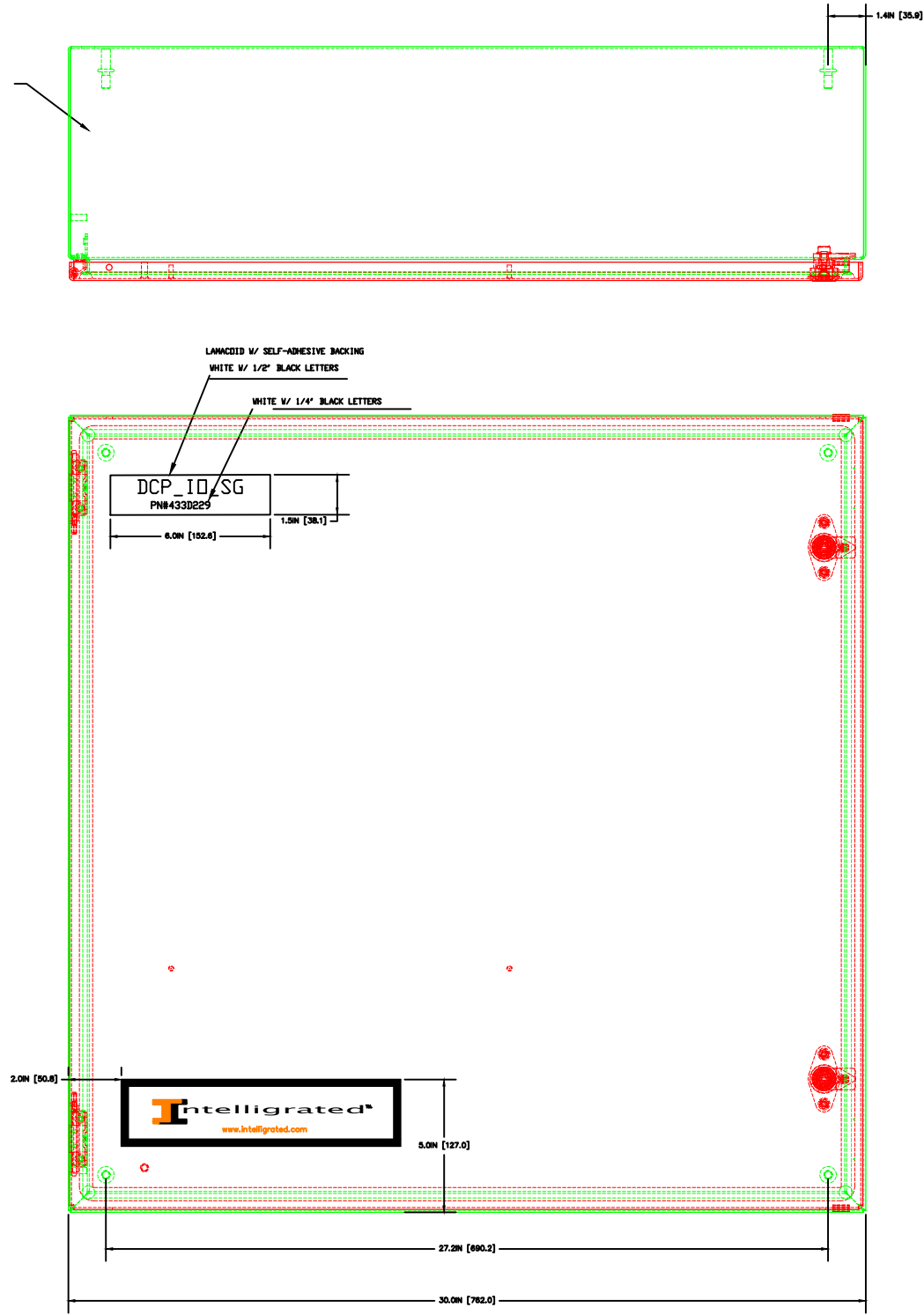
BACKPLANE NOTES NOTES:
 ORIENTATION OF BACKPLANE IN BOX
 SHALL BE AS SHOWN, (SIDE WITH
 BREAKERS IS THE TOP AND ISIDE WITH
 BECKHOFF MODULES IS THE BOTTOM.

- ENCLOSURE NOTES:
- 1) ADD DOOR/ENCLOSURE GROUNDING STRAP
 - 2) ALL DEVICE ID TAGS TO BE WHITE 1.5" X 0.5" WITH 0.25" BLACK TEXT NUMBERING ON SIDE OF TB'S WHITE WITH 0.15" BLACK TEXT.
 - 3) DIN RAIL TO BE STANDARD TS-35MM X 7.5MM
 - 4) ALL WIREWAY TO BE WHITE, SIZE AS INDICATED ON LAYOUT
 - 5) TOP SIDE OF HORIZONTAL TERMINALS IS RESERVED FOR FIELD TERMINATIONS
 - 6) LEFT SIDE OF VERTICAL TERMINALS IS RESERVED FOR FIELD TERMINATIONS
 - 7) WIRE SHALL BE PRINTED ON MARKER CARDS AND PLACED ON TB's.
 - 8) TB #'s (1,2,3,..) SHALL BE PRINTED ON A LAMACOID STRIP AND PLACED ON BACK PLANE NEXT TO TB'S AS SHOWN.

		TITLE: SAFETY GATE JUNCTION BOX		DATE: 11.28.2016	
		DRAWN BY: DNM		CHECKED BY: M. BLOND	
INSTALLATION LOCATION		PAGE 01251		NEXT PAGE 01259	
PROPOSAL/PROJECT No. STANDARD		SCALE STANDARD		DATE 12.01.2016	
REVISION NO 3		NEXT PAGE 01259		DATE 12.01.2016	
PAGE 01251		REVISION DESCRIPTION REV# REV BY DATE		PROJECT REFERENCES 433D229	
1 DNM 01.27.2017		2 DNM 04.11.2017		3 BJS 08.30.2017	
ADD TIMER TO RESET CIRCUIT (DWG28919)		PPS CIRCUITS (ECO DWG30000)		JUMPS - REFERENCE (DWG32283)	
PANEL BUILDER TO SUPPLY YELLOW WIRE		UPDATE RESET AND STOP-SORTER		JUMPS - REFERENCE (DWG32283)	
DATE 01.27.2017		DATE 04.11.2017		DATE 08.30.2017	
REVISION DESCRIPTION REV# REV BY DATE		REVISION DESCRIPTION REV# REV BY DATE		REVISION DESCRIPTION REV# REV BY DATE	
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NOTE:
PANEL BUILDER:
PROVIDE GROUND STUD
AND WIRE JUMPER FROM
MOUNTING PANEL TO
DOOR INTERIOR.

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



TITLE:
SAFETY GATE JUNCTION BOX

EXTERNAL LAYOUT

REVISION NO
3
PAGE
01259

NEXT PAGE
01970

INSTALLATION	PAGE	SCALE	DRAWN BY:	DATE
LOCATION	01259	01970	DNM	11.28.2016
PROPOSAL/PROJECT No.	STANDARD	CHECKED BY:	M. BLOND	12.01.2016

REV#	REV BY	DATE	REVISION DESCRIPTION
3	BJS	08.30.2017	PANEL BUILDER TO SUPPLY YELLOW WIRE JUMPER - REFERENCE DWG32283
2	DNM	04.11.2017	UPDATE RESET AND STOP-SORTER PPS CIRCUITS (ECO DWG30000)
1	DNM	01.27.2017	ADD TIMER TO RESET CIRCUIT (DWG28919)

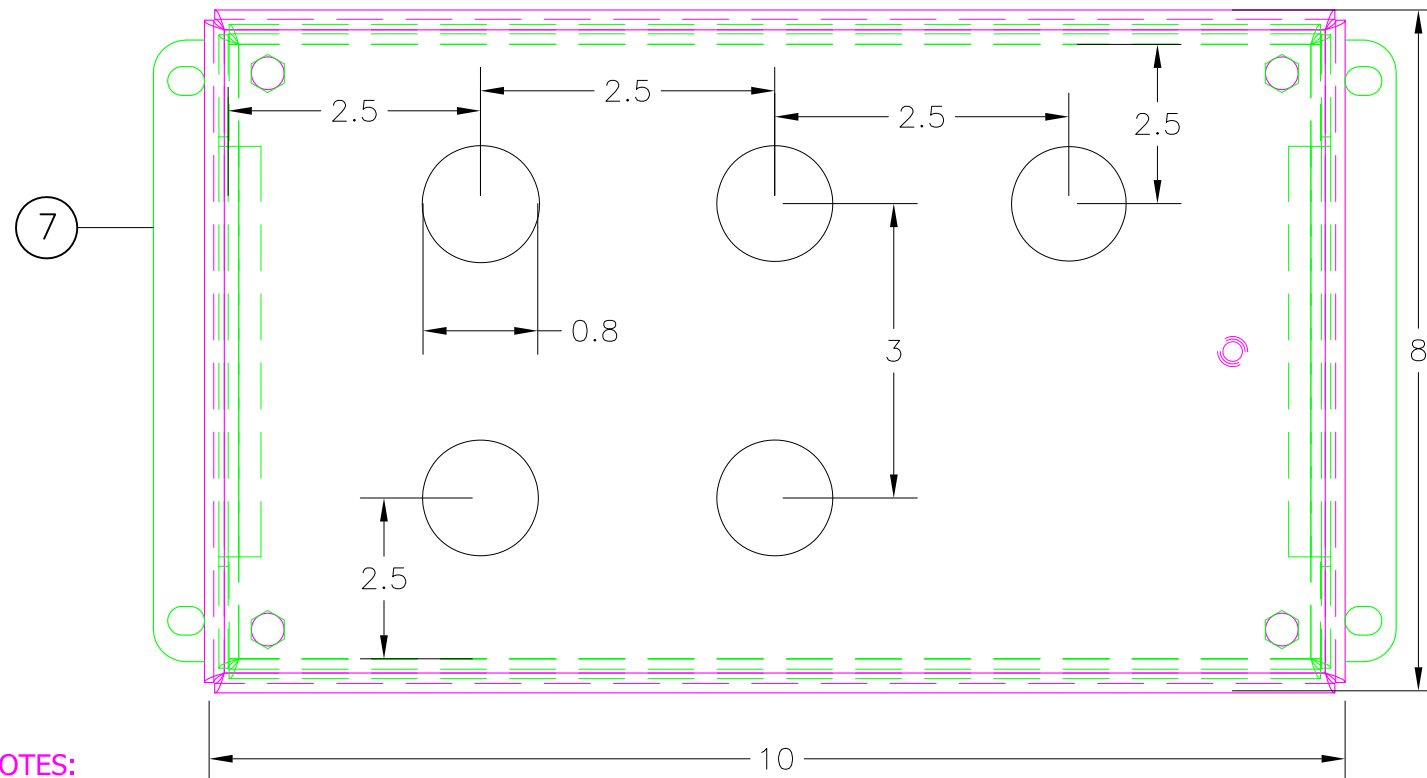
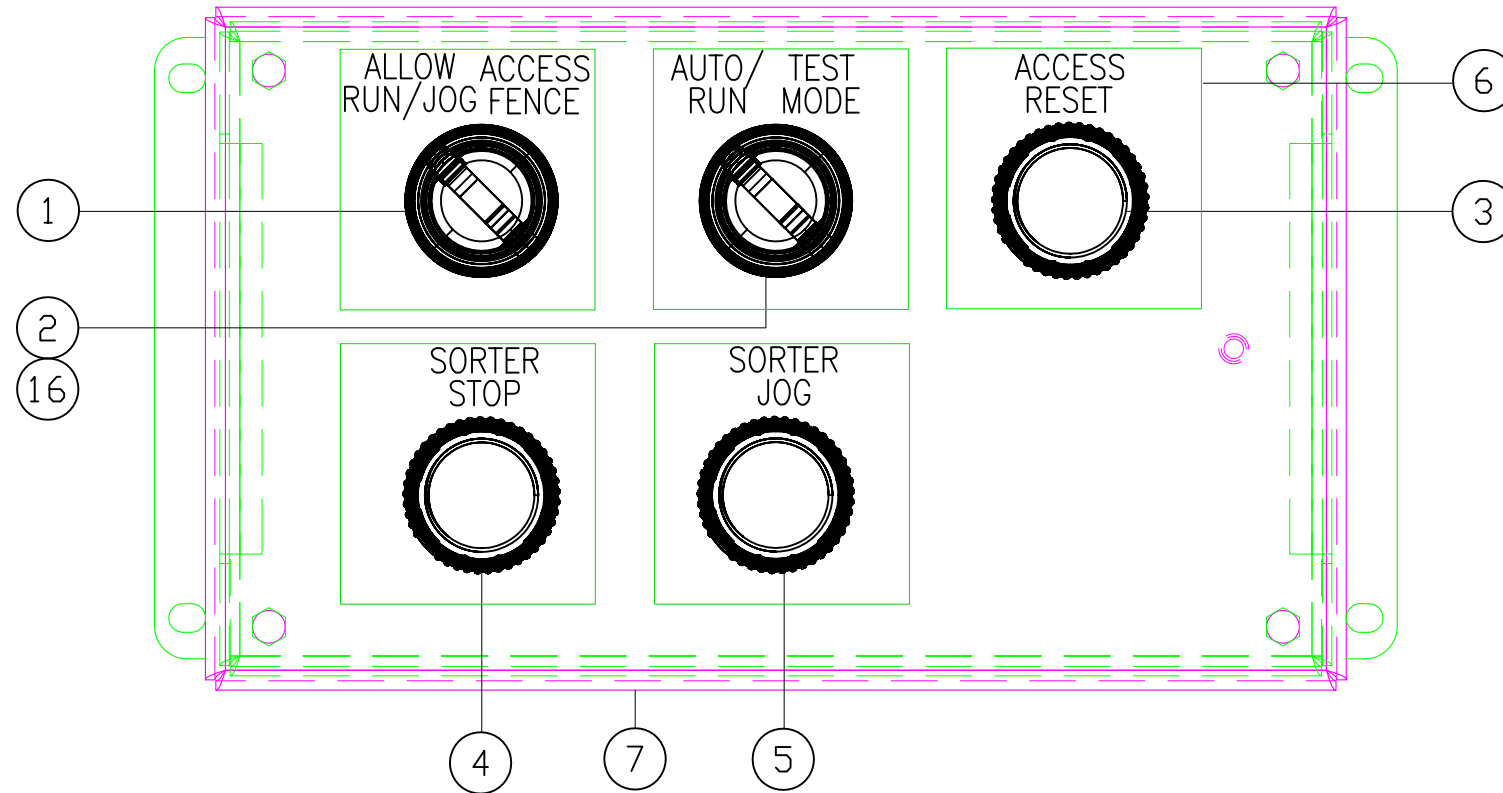
PROJECT REFERENCES
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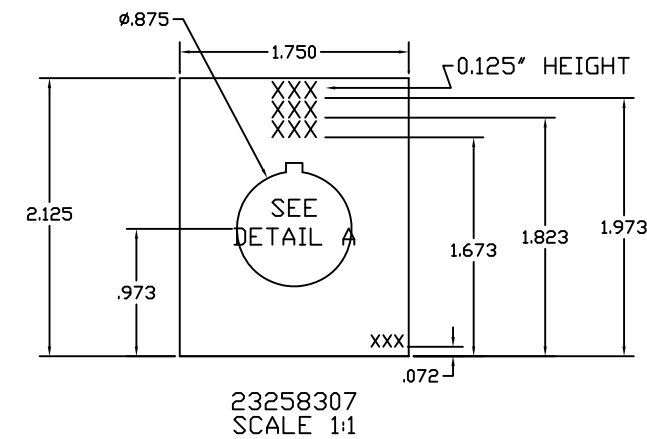
TAG	DESCRIPTION	CATALOG	MFG	INTERNAL #	QTY
CB0112101	AUX CON 1NO 1NC A-B 1489 SERIES	1489-AMRA3	AB	422D372	1
CB0112109	AUX CON 1NO 1NC A-B 1489 SERIES	1489-AMRA3	AB	422D372	1
	CIRCUIT BREAKER, 1489 SERIES 1POLE 4AMP	1489-M1C040	AB	422D369	1
CB0112113	AUX CON 1NO 1NC A-B 1489 SERIES	1489-AMRA3	AB	422D372	1
	CIRCUIT BREAKER, 1489 SERIES 1POLE 4AMP	1489-M1C040	AB	422D369	1
CB0122105	CIRCUIT BREAKER, 1489 SERIES 1POLE 4AMP	1489-M1C040	AB	422D369	1
CR0112158	REALY 24VDC FORCE GUIDED CONTACTS 3NC 3NO	RF1V-3A3BL-D24	IDEC		1
	SOCKET RELAY DIN RAIL MOUNT	SF1V-6-07L	IDEC		1
D0112161, -62	SCREW CONNECTION TERMINAL BLOCK W/DIODE; 1492-J	1492-J3DF	AB	410D562	2
EAJ35	END ANCHOR	1492-EAJ35	AB	23441900	10
	END BARRIER; 1492-J	1492-EBJ3	AB	23441700	1
EBJ16	END BARRIER; 1492-J	1492-EBJ16	AB	403D482	50
EN259	CONCEPT WALL-MOUNT ENCLOSURE 30X30X8	CSD30308	HOFFMAN		1
	BACK PLANE 30X30INCH	CP3030	HOFFMAN	407D929	1
GND	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-JG3	AB	407D874	1
PLC0112603	EXTENSION BOX 8IN 8OUT SPRING LOADED CONNECTOR	IE2403	BECKHOFF	410D996	1
	CONNECTOR 3PIN WITH LED FOR EXTENSION BOX IE2403	ZS2001-0004	BECKHOFF	174A787	2
PLC0112703	EXTENSION BOX 8IN 8OUT SPRING LOADED CONNECTOR	IE2403	BECKHOFF	410D996	1
	CONNECTOR 3PIN WITH LED FOR EXTENSION BOX IE2403	ZS2001-0004	BECKHOFF	174A787	2
PLC0112810	COUPLER BOX FOR PROFIBUS DP	IL2301-B318	BECKHOFF	174A350	1
CBL0112818A	CABLE, IP LINK 0.50METER	ZK1020-0101-0005	BECKHOFF	174A461.00.50	1
CBL0112832	POWER CABLE, M8 SCREW, 4PIN, 2 METER	ZK2020-3200-0020	BECKHOFF	175A073	1
CBL0112833B	POWER CABLE, STRAIGHT, M8 SCREW, 4PIN, 0.15 METER	ZK2020-3132-0001	BECKHOFF	23477600	2
CBL0112818B	IP LINK JUMPER	ZK1020-0101-1000	BECKHOFF	411D855	1
CBL0112818	CABLE, IP LINK 0.50METER	ZK1020-0101-0005	BECKHOFF	174A461.00.50	1
TB	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-JG4	AB	1704434	0
TB-IN	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	1703876	0
TB-OUT	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	1703876	0
TB-OUT SIGNALS	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	1703876	0
TB2100	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	1703876	14
TB2101	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	1703876	3
TB2133	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	1703876	4
TB2134	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	1703876	4
TB2140	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	1703876	4
TB2141	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	1703876	4
TB2152	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	1703876	6
TB2167	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	1703876	2
TB2205	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	1703876	8
TB2210	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	1703876	8
TB2215	SCREW CONNECTION TERMINAL BLOCK; 1492-J	1492-J3	AB	1703876	8

[illegible]

[illegible]

I-NOTES: PANEL BUILDER


1) LAMACOIDS WILL BE WHITE W/ BLACK TEXT - AS SPECIFIED
2) ALL MEASURMENTS ARE IN INCHES

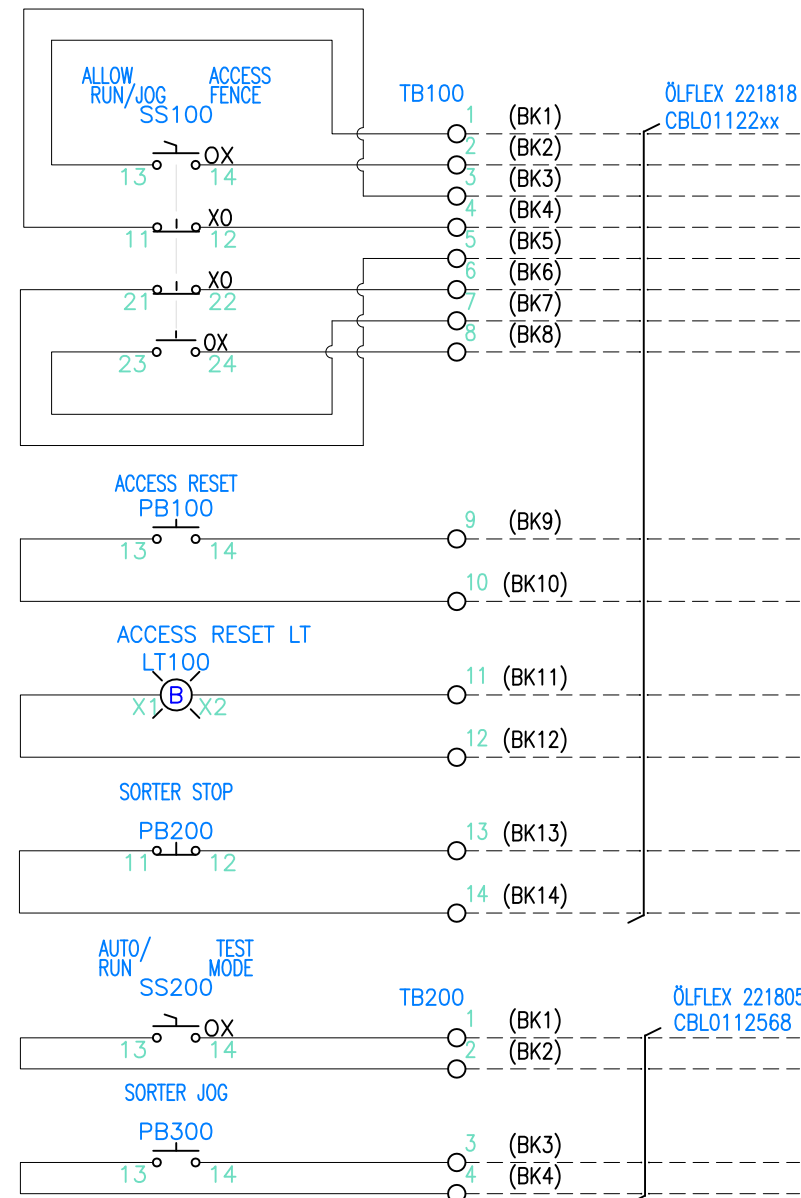


19	SEPERATION PLATE	1492-SP3	AB	1
18	PEDESTAL BASE	A18SBASE	HOFFMAN	1
17	ANGLED PEDESTAL COLUMN	A44PCOL	HOFFMAN	1
16	N.O. CONTACT, METAL LATCH	800F-MX10	AB	1
15	WIRE LABELS, WRAP-AROUND	-	BRADY	12
14	SINGLE CONDUCTOR, 16AWG TFFN (THHN) BLUE	-	-	AR
13	DIN RAIL, 35MM	199-DR1	ALLEN-BRADLEY	AR
12	MARKER CARDS, TERMINAL BLOCKS	1492-M5SX12	ALLEN-BRADLEY	18
11	END ANCHOR, NORMAL DUTY	1492-ERL35	ALLEN-BRADLEY	4
10	END BARRIER	1492-EB3	ALLEN-BRADLEY	2
9	TERMINAL BLOCK, SCREW CONNECTION 14-22AWG, 600V	1492-W3	ALLEN-BRADLEY	18
8	PANEL FOR JUNCTION BOX 10XB4, TYPE 12	A10PBG	HOFFMAN	1
7	JUNCTION BOX 10XB4, TYPE 12	A1008SC	HOFFMAN	1
6	LAMACOIDS BLACK ON WHITE AS SPECIFIED IN DRWG	CUSTOM	BY PANEL BUILDER	2
5	GREEN MOMENTARY PB WITH 1 NO CONTACT	800FM-E3MX10	AB	1
4	RED MOMENTARY PB WITH 1 NC CONTACT	800FM-E4MX10	AB	1
3	BLUE LT MOMENTARY PB WITH 1 NO CONTACT	800FM-LE6GM3MX10	AB	1
2	SELECTOR SW-2 POS W/ KEY MAINTAINED	800FM-SM22	AB	1
1	SELECTOR SW-2 POS W/ KEY MAINTAINED	800FM-SM22MX22	AB	1
ITEM	DESCRIPTION	PART NO.	MFG	QTY



TITLE: MAINTENACE CONTROL STATION
ALL SAFETY GATES IN SAFETY
GATE INTERLOCKING CIRCUIT
AMAZON

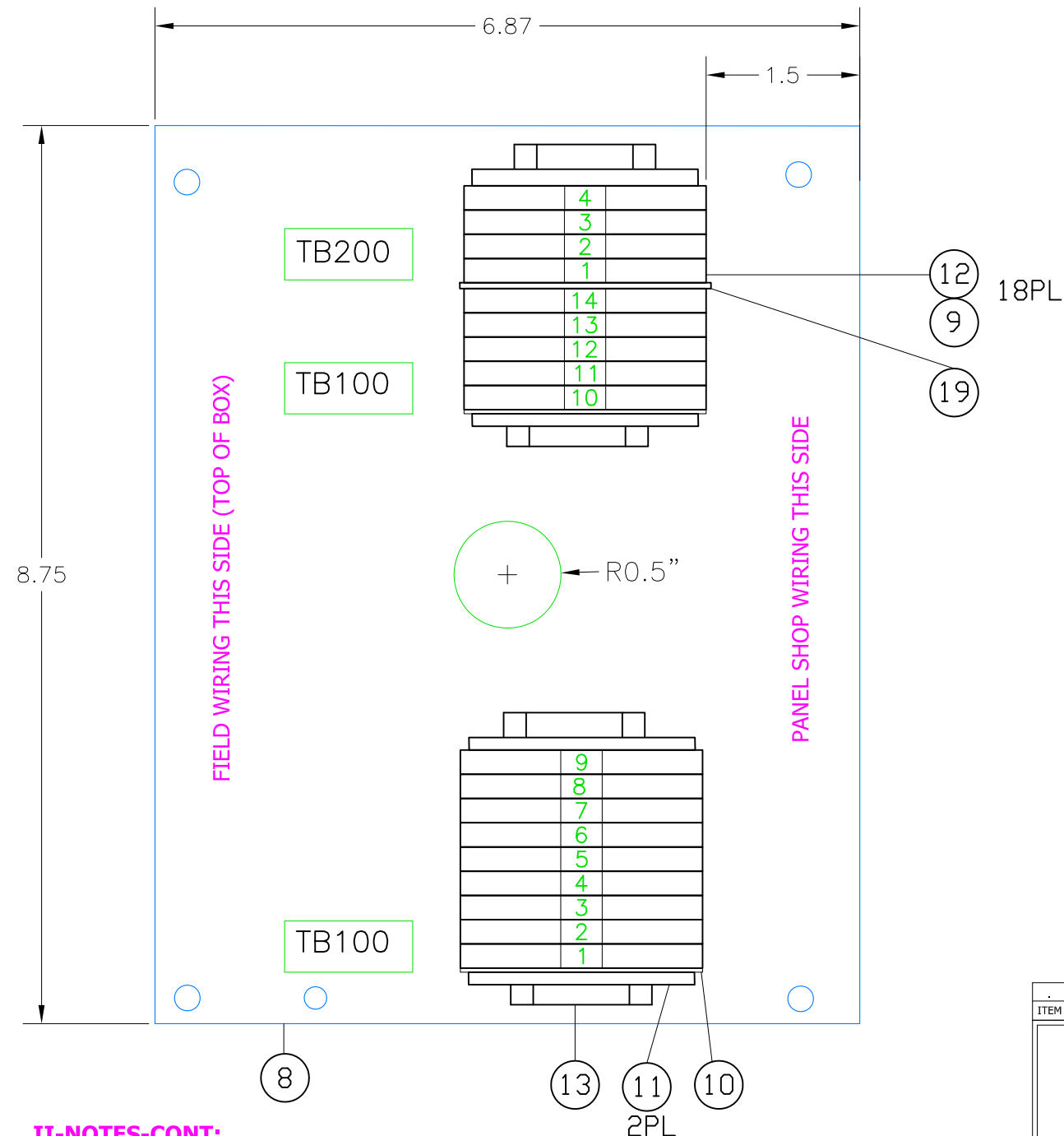
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	3RD ANGLE 	D REPLACES DWG:	433D228

[illegible]

II-NOTES:

PANEL BUILDER



- 1) DASHED LINES ARE FIELD WIRING CONNECTIONS.
- 2) SOLID WIRING ARE MADE BY PANEL BUILDER
- 3) BOND PLATE TO BOX AND BOX-COVER
- 4) WIRING BETWEEN TB's AND COVER SHALL BE AT LEAST 20" LONG
- 5) USE SPIRAL WRAPPING TO KEEP WIRES TOGETHER.



II-NOTES-CONT:

PANEL BUILDER

- 6) USE STICKY PAD TO DRESS WIRING ALONG THE BOX AND ITS COVER
- 7) INSTALL 4 STICKY PADS FOR FIELD WIRING CABLES
- 8) 1" HOLE, THROUGH PLATE AND BOX W/ GROMMET FOR FIELD CABLES
- 9) WIRE LABELS SHALL BE CONSISTENT WITH ASSOCIATED TB's
- 10) ASSEMBLE PEDESTAL COLUMN TO BASE AND BOX

ITEM	DESCRIPTION	PART NO.	MFG	QTY
				
TITLE: MAINTENACE CONTROL STATION ALL SAFETY GATES IN SAFETY GATE INTERLOCKING CIRCUIT AMAZON				
DIMENSIONS: MILLIMETERS UNO		TOLERANCES: 0 ± 1.0 MM 0.0 ± 0.5 MM 0.00 ± 0.05 MM		
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MAT'L: . FINISH: . WEIGHT: . APPRD: .		DRAWN: D. MEGDICHE ENGINEER: D. MEGDICHE CHECKED: M. BLOND SIZE:		DATE: 16 JAN 2017 SCALE: . SHEET: 2 OF 2 DRAWING NUMBER:
3RD ANGLE 		D 433D228 REVISIONS: DWG:		REV: 00

