



ENERGY TRUST

LACADENA BOOSTER COMPRESSOR ADDITION

LSD 04-10-23-18 W3M

AS BUILT — MAY, 2009

PROJECT No. 28298

PREPARED BY:													
1 AS BUILT 0 ISSUED FOR CONSTRUCTION A ISSUED FOR APPROVAL										29/05/08 03/04/02 09/02/25		DATE BY APPRO	
DWG. NO. DESCRIPTION REV. DESCRIPTION DATE BY APPRO										LACADENA BOOSTER COMPRESSOR ADDITION LSD 04-10-23-18 W3M ELECTRICAL COVER PAGE		SCALE NONE 28298 A1-LAC-304-01 1	

ENERPLUS

LACADENA BOOSTER COMPRESSOR ADDITION

LSD 04-10-023-18 W3M

DRAWING INDEX

PROJECT No. 28298

DRAWING INDEX

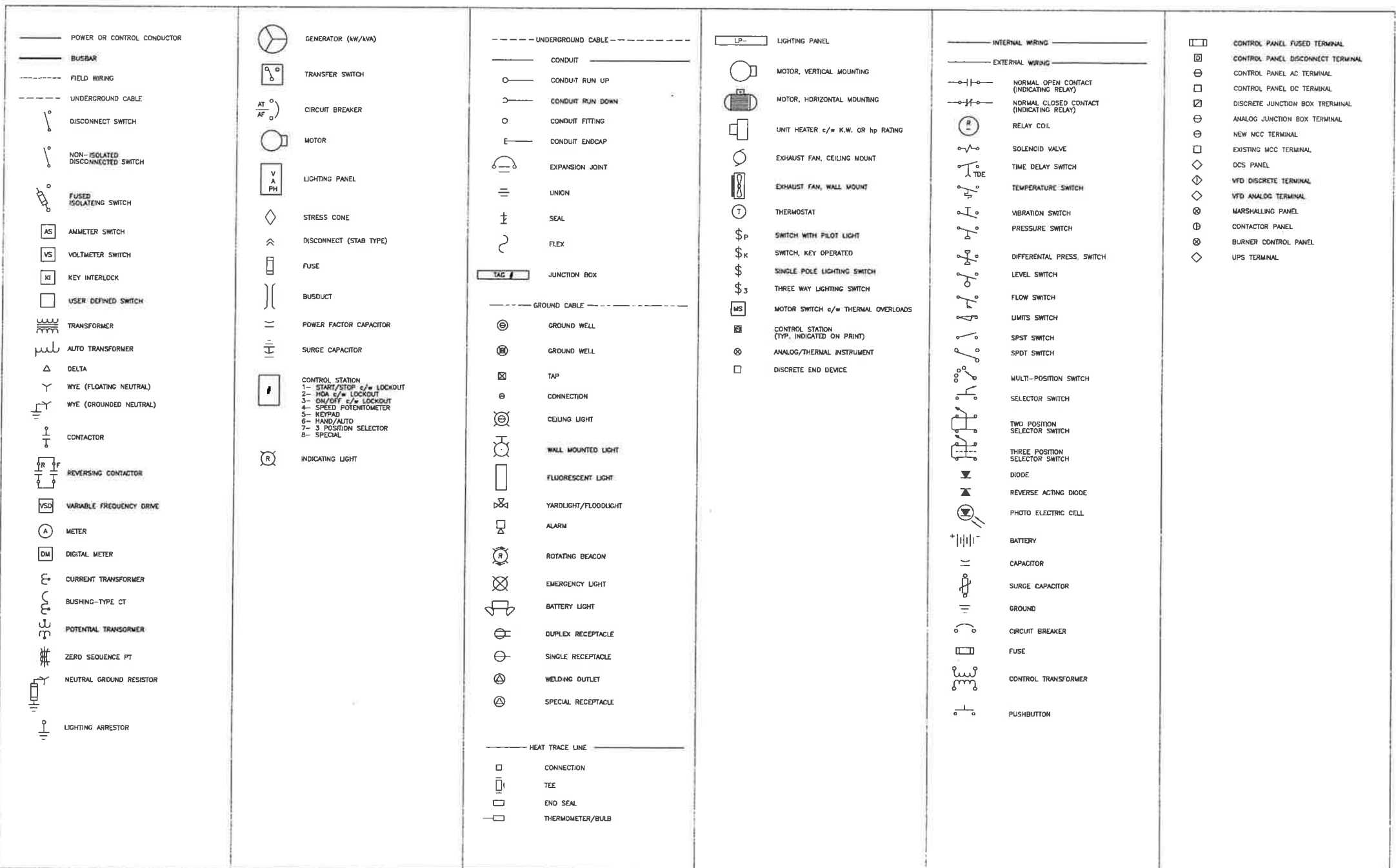
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DWG NO.	DESCRIPTION	REFERENCE DRAWING
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DESCRIPTION	DATE	BY	APPRO
REVISIONS			

FOCUS ENERGY TRUST

DATE	PROJECT No.	GRAPHIC No.
NONE	28298	A1-LCD-304-02



PREPARED BY:

**POLARIS**
Engineering Ltd.

PROJECT No. 28298

DWG NO.		DESCRIPTION		REV	DESCRIPTION	DATE	BY	APPRO	SHEET		PROJECT		DATE		BY		APPRO	
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				2	ISSUED FOR INFORMATION	09/02/18	SWW											

**FOCUS** ENERGY TRUST

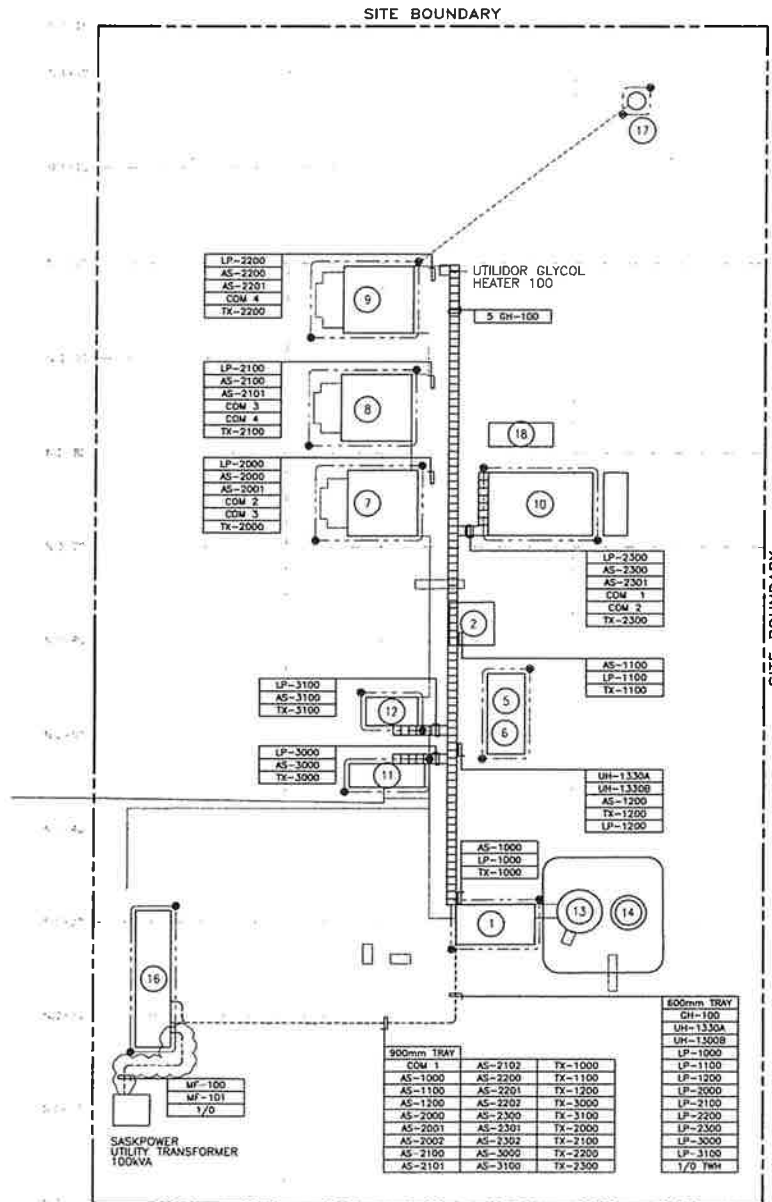
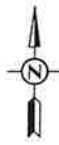
LACADENA BOOSTER COMPRESSOR ADDITION
LSD 04-10-23-18 W3M
STANDARD SYMBOLS

NONE

28298

A1-LAC-360-01

1



BUILDING DETAILS

ITEM	DESCRIPTION	SIZE	U/S OF SKID	EAVE HEIGHT	EXT. COLOR
1	INLET HEADER BUILDING (MAIN)	-	GRADE	-	GALV. ALUM
2	INLET HEADER BUILDING (NORTH)	-	-	-	GALV. ALUM
3					
4					
5	INLET SEPARATOR V-1200	-	-	-	TAN
6	FILTER SEPARATOR F-1300	-	-	-	TAN
7	SALES COMPRESSOR C-2000	-	-	-	GALV. ALUM
8	SALES COMPRESSOR C-2100	-	-	-	GALV. ALUM
9	SALES COMPRESSOR C-2200	-	-	-	GALV. ALUM
10	BOOSTER COMPRESSOR C-2300	-	-	-	TAN
11	DEHYDRATOR V-3100	-	-	-	GALV. ALUM
12	DEHYDRATOR V-3000	-	-	-	GALV. ALUM
13	PW TANK TX-4000	-	-	-	BLACK
14	PW TANK TX-4100	-	-	-	GREEN
15					
16	OFFICE BUILDING				LIGHT GREY
17	VENT STACK				
18	FUTURE PORTABLE COOLER				

PREPARED BY:



PROJECT No. 28298

DESCRIPTION
REFERENCE DRAWINGS

1 AS BUILT
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4 ISSUED FOR APPROVAL

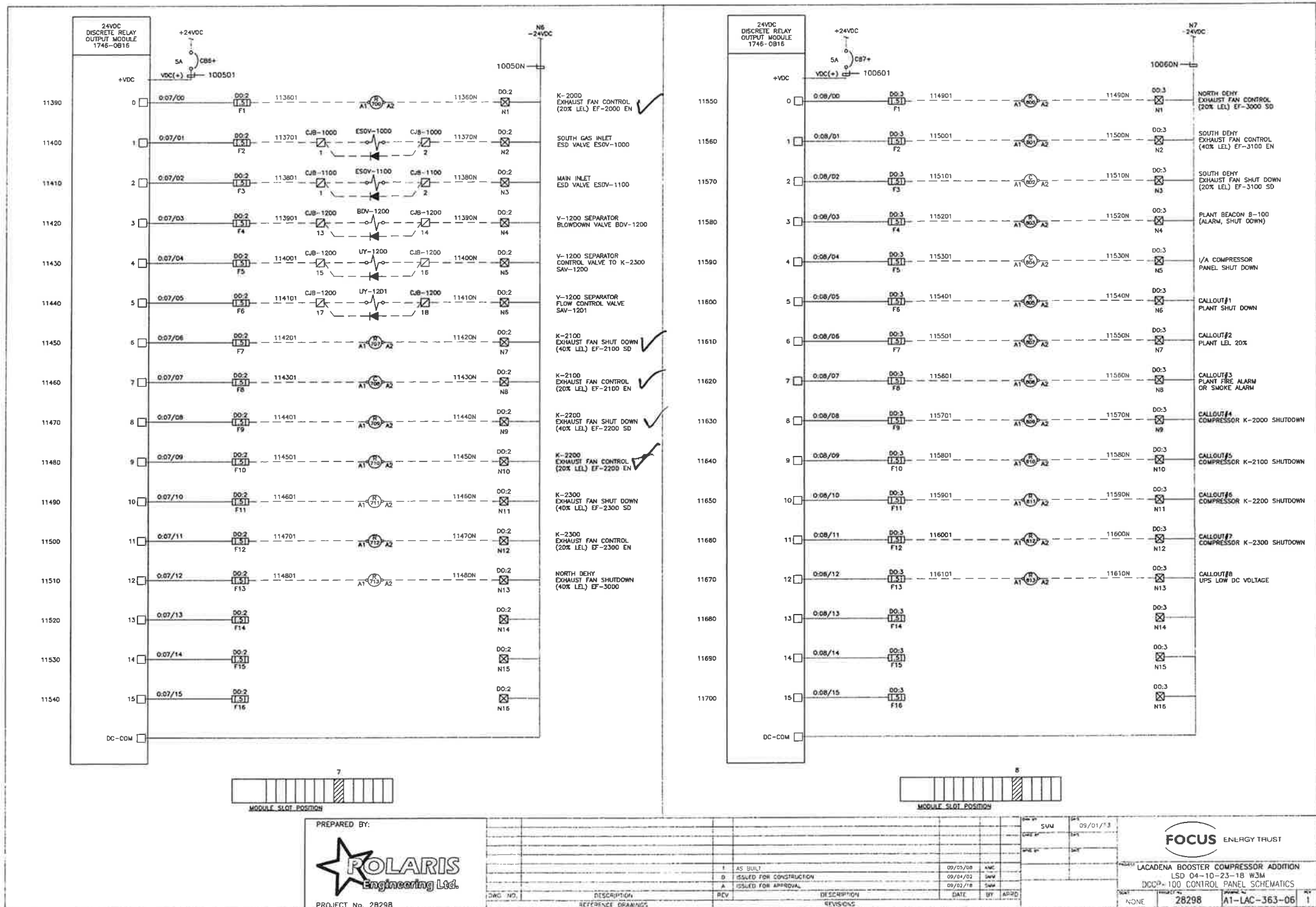
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REVISED

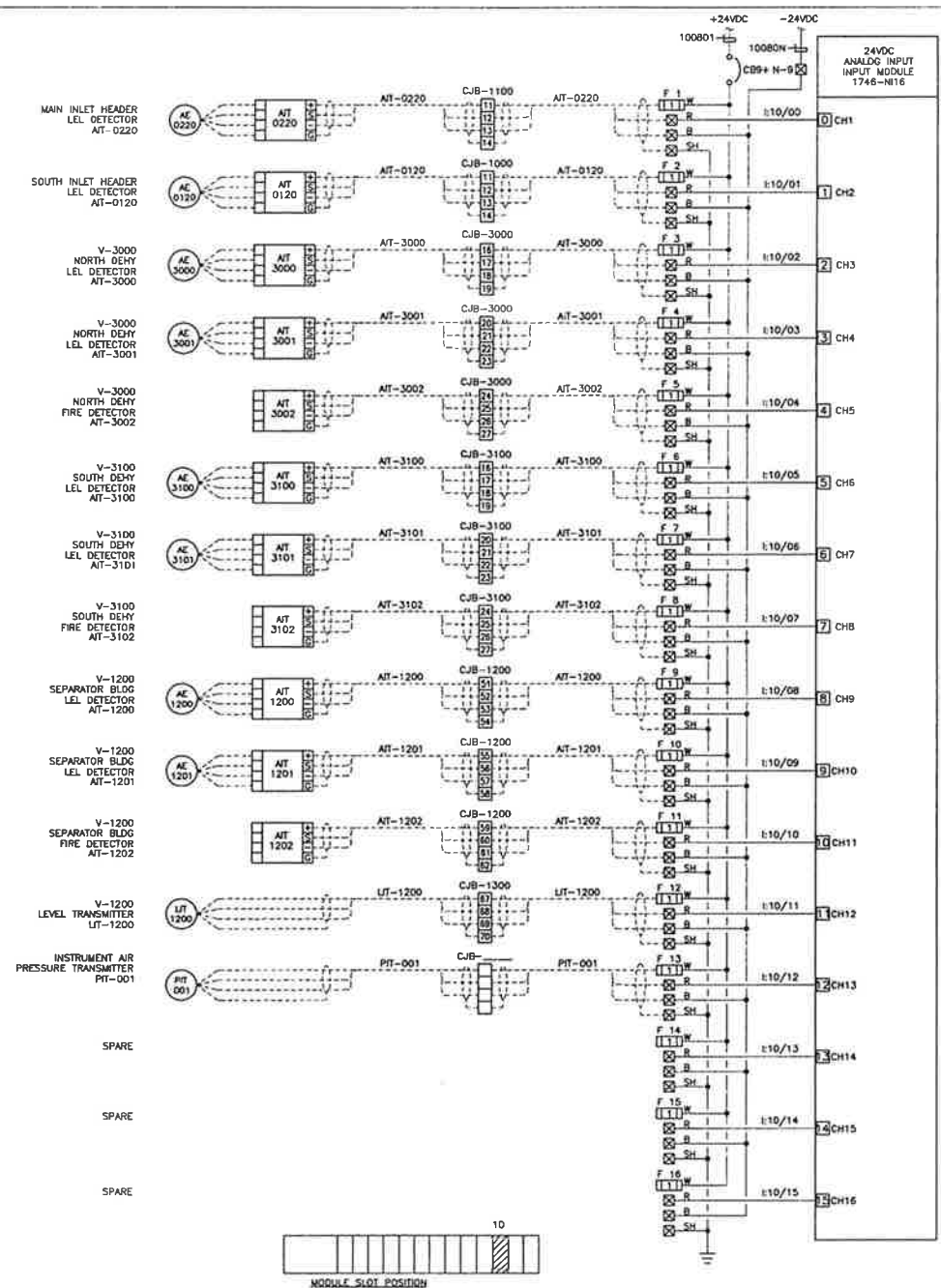
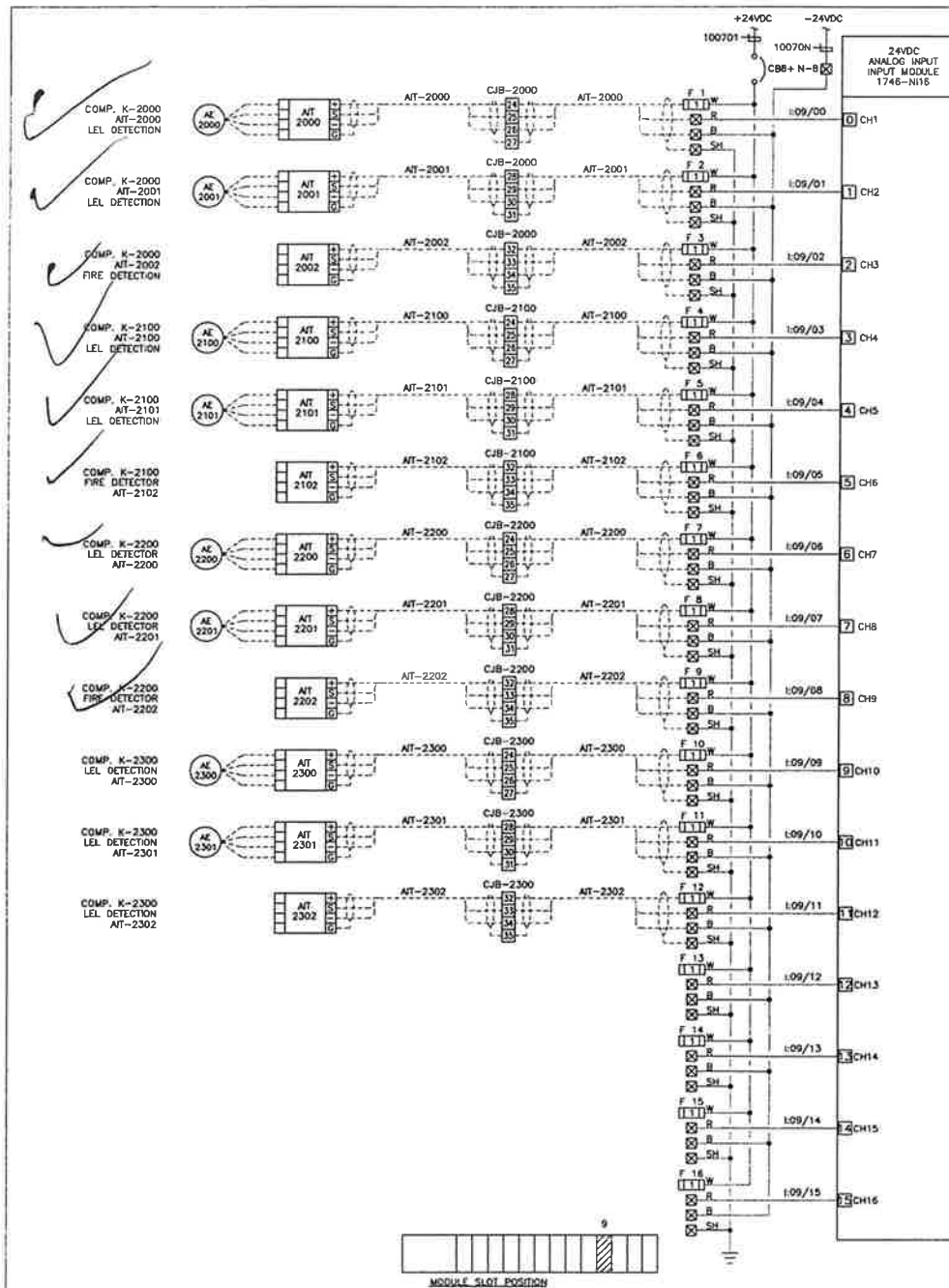
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FOCUS ENERGY TRUST

PROJECT
LACADENA BOOSTER COMPRESSOR ADDITION
LSD 04-10-023-18 W3M
ELECTRICAL PLOT PLAN

SHEET
NONE
28298
A1-LAC-361-01
1





PREPARED BY:



PROJECT No. 29076

DATE	DESCRIPTION	BY	APP'D
09/01/16	ISSUED FOR CONSTRUCTION	MM	
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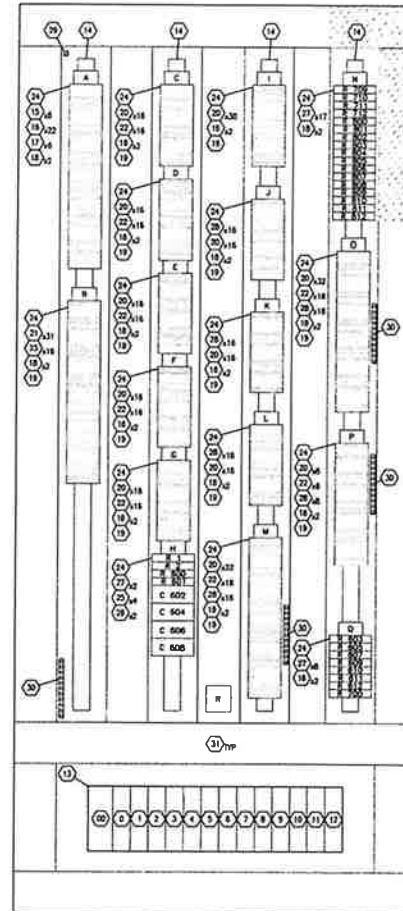
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09/01/16	ISSUED FOR APPROVAL	MM	

DATE	DESCRIPTION	BY	APP'D
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DATE	DESCRIPTION	BY	APP'D
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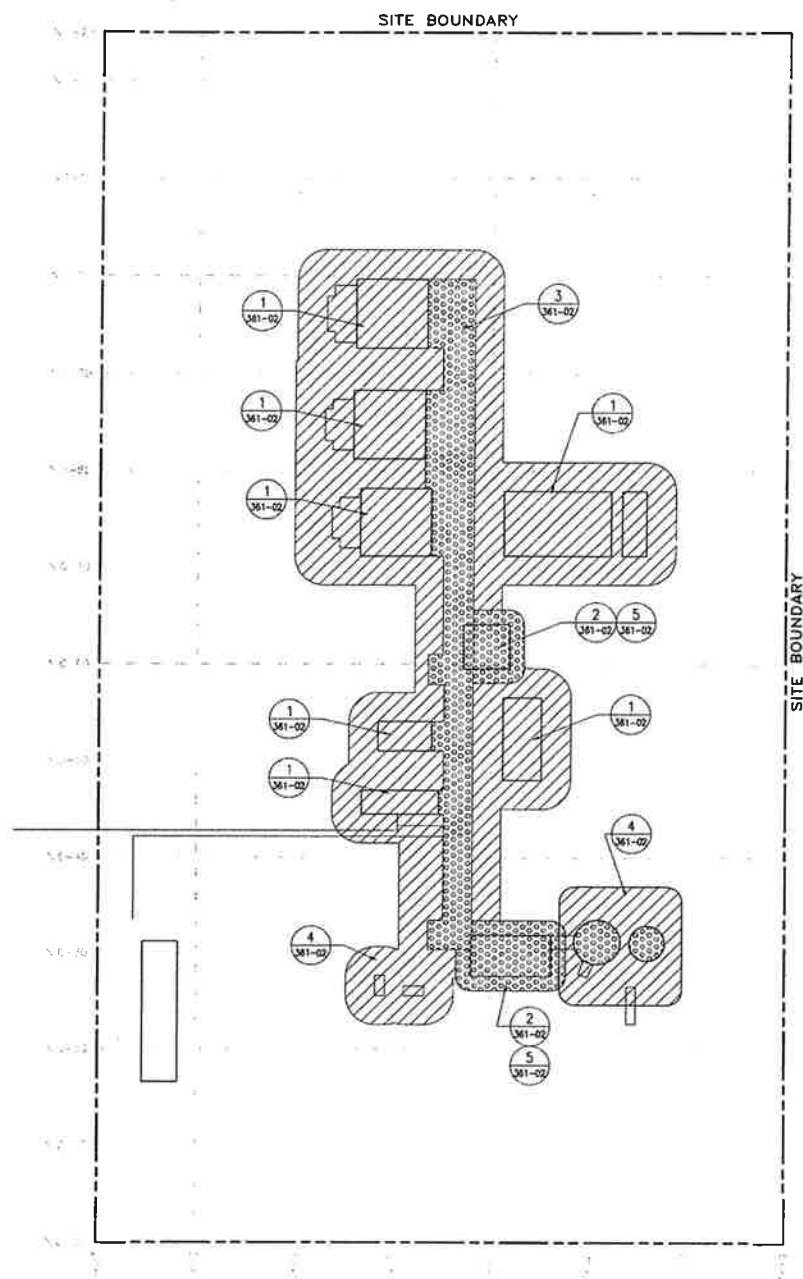
FOCUS ENERGY TRUST

PROJECT	LACADENA BOOSTER COMPRESSOR ADDITION
DATE	04-10-23-18 W3M
DESCRIPTION	OCPP-100 CONTROL PANEL SCHEMATICS
REVISION	NONE
PROJECT No.	28298
PROJECT No.	AT-LAC-363-07
REV	1

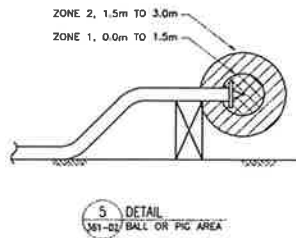
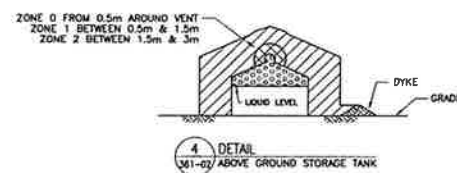
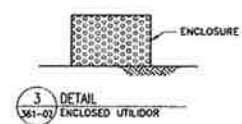
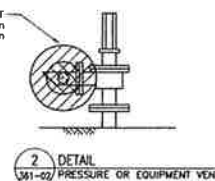
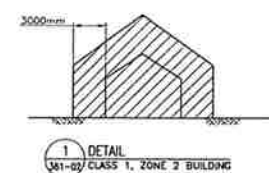


ITEM	QTY	ITEM DESCRIPTION	SIZE	COLOR
A	1	TS1 DC DISTRIBUTION POSITIVE	--	--
B	1	TS1 DC DISTRIBUTION NEGATIVE	--	--
C	1	TS2 DI:01	--	--
D	1	TS2 DI:02	--	--
E	1	TS2 DI:03	--	--
F	1	TS2 DI:04	--	--
G	1	TS2 SPARE	--	--
H	1	TS2 RELAYS	--	--
I	1	TS2 ESD DISTRIBUTION	--	--
J	1	TS3 DO:01	--	--
K	1	TS3 DO:02	--	--
L	1	TS3 DO:03	--	--
M	1	TS3 SPARE	--	--
N	1	TS4 AC CONTROL	--	--
D	1	TS4 ANALOG AI:1	--	--
P	1	TS4 ANALOG AO:1	--	--
Q	1	TS4 DC CONTROL	--	--
R	1	PANEL POWER FED FROM SEPARATE SOURCES	--	--
--	--	--	--	--
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[illegible]



1. AREA CLASSIFICATIONS ARE BASED ON RECOMMENDED PRACTICES AND DETAILS AS OUTLINED IN THE CANADIAN ELECTRICAL CODE AS WELL AS PROVINCIAL REGULATIONS.
2. SOME ZONE 2 CLASSIFICATIONS ARE BASED ON INCLUSION OF GAS DETECTION SENSORS ALONG WITH APPROPRIATE CONTROL ACTIONS AS OUTLINED IN API RP505B SECTION 6.8.



	CLASS 1, ZONE 0 OR DIVISION 1 AREAS		CLASS 1, ZONE 2 OR DIVISION 2 AREAS
	CLASS 1, ZONE 1 OR DIVISION 1 AREAS		NON CLASSIFIED OR GENERAL PURPOSE



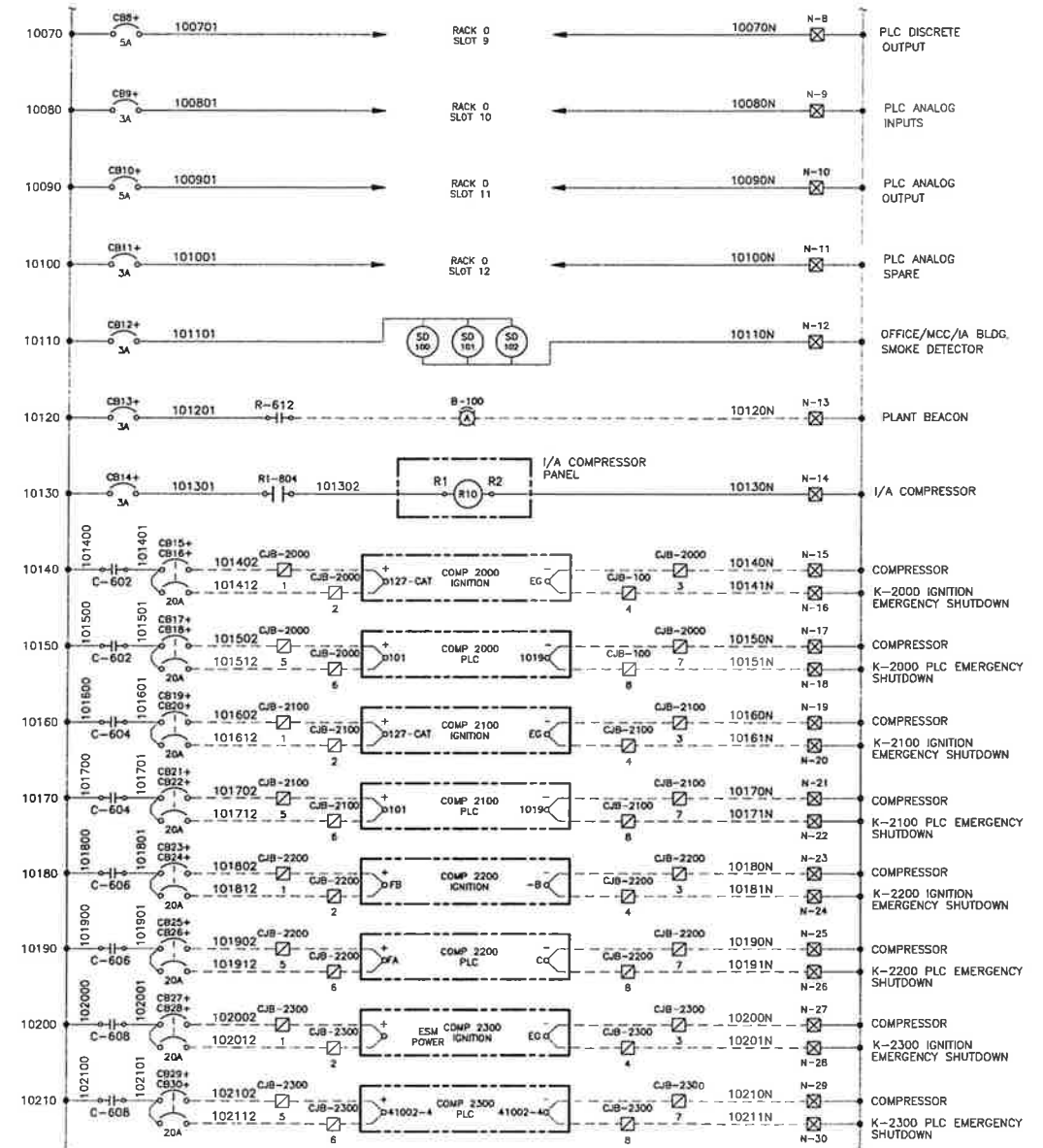
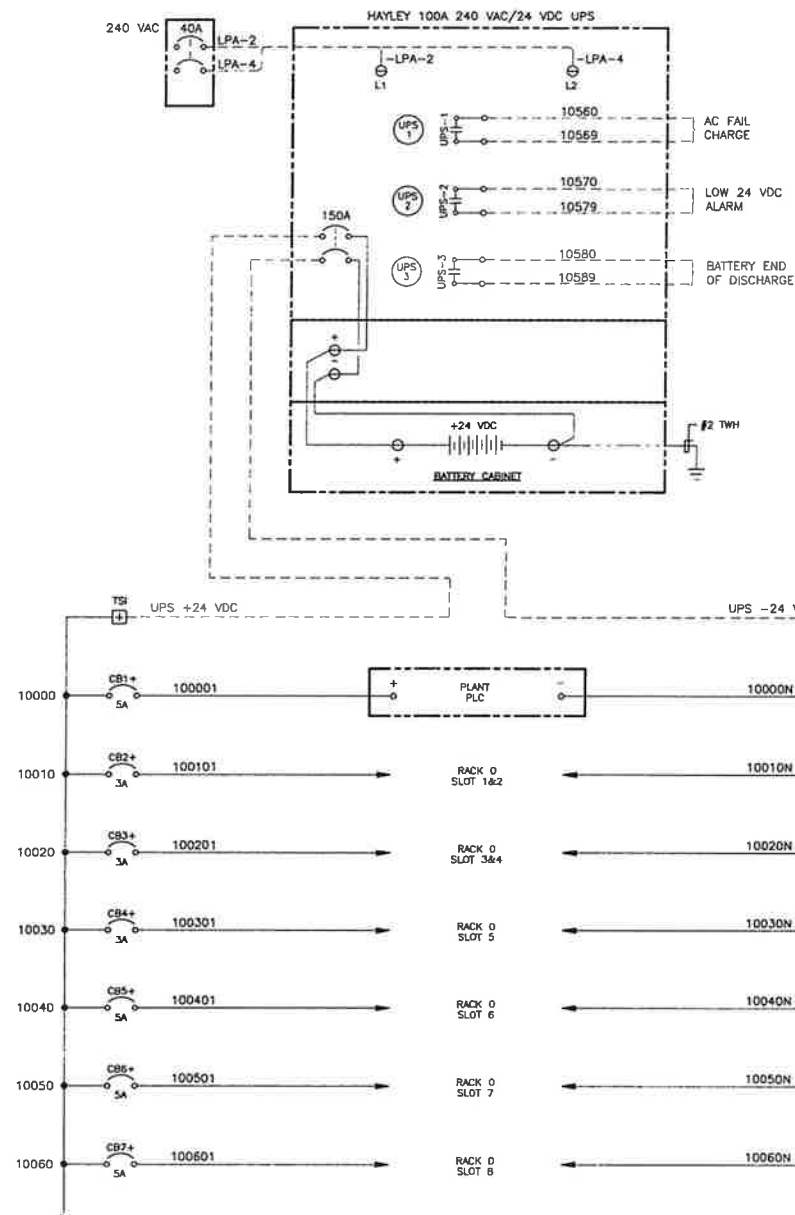
DWG. NO.	DESCRIPTION
	REFERENCE DRAWING

1	AS BUILT	09/25/08	AWG
0	ISSUED FOR CONSTRUCTION	09/04/03	SWP 1
A	ISSUED FOR APPROVAL	09/02/16	SWP
REV	DESCRIPTION	DATE	BY

SMS no	09/01/13
Covered by	SM
APPC ID	SM

LACADENA BOOSTER COMPRESSOR ADDITION		
LSD 04-10-23-18 W3M		
ELECTRICAL AREA CLASSIFICATION PLAN		
NONI	28298	A1-IAC-361-02

[illegible]



PREPARED BY:



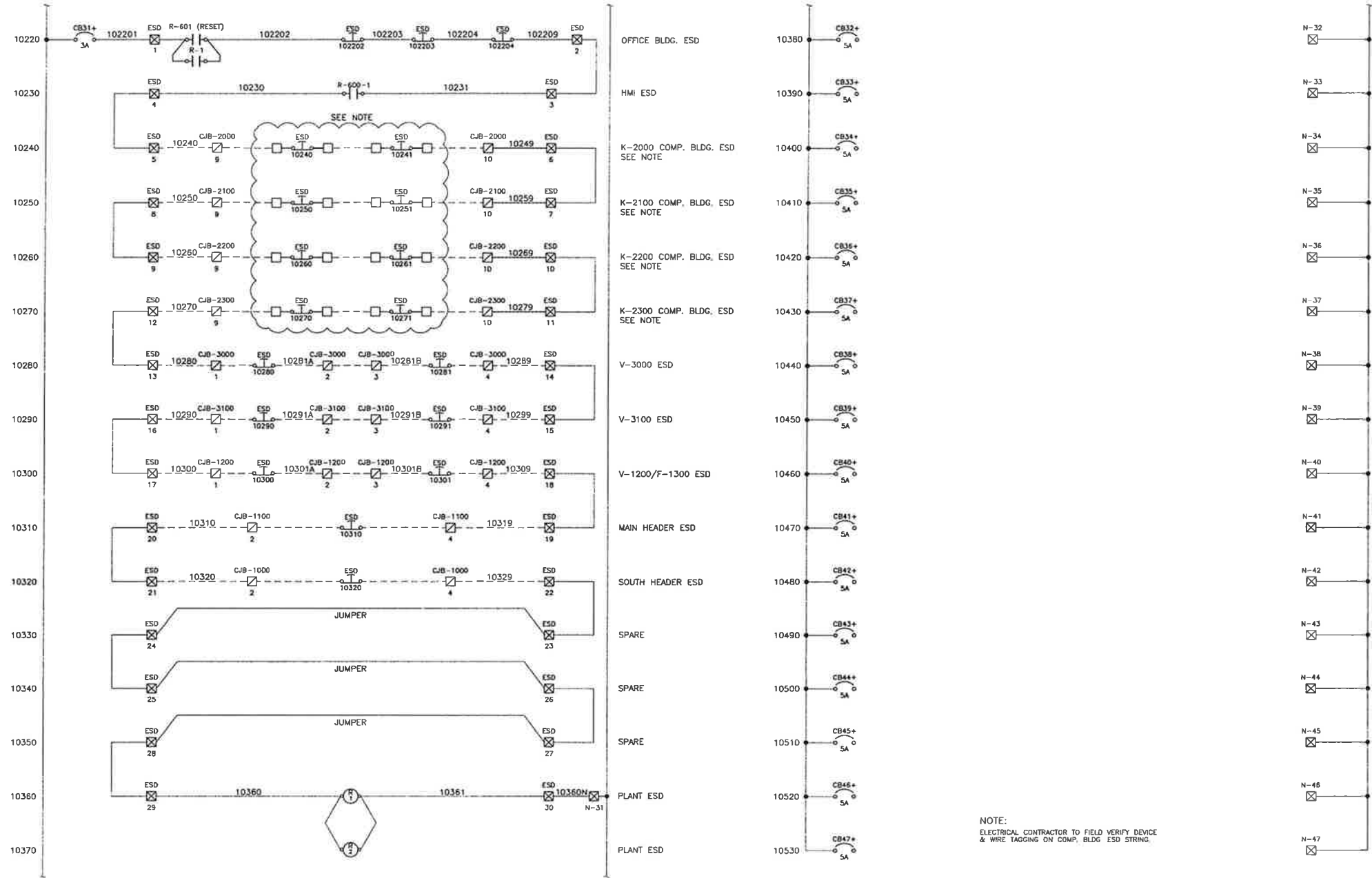
PROJECT No. 28298

REV	DESCRIPTION	DATE	BY	APPD
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2	ISSUED FOR CONSTRUCTION	03/04/02	SWM	
3	ISSUED FOR APPROVAL	03/02/18	SWM	
4				
5				
6				
7				
8				
9				
10				

OWN BY: CRW
DATE BY: SWM
APPD BY: SWM



PROJECT: LACADENA BOOSTER COMPRESSOR ADDITION
LSD 04-10-23-18 W3M
DCCP-100 CONTROL PANEL SCHEMATICS
NONE 28298 A1-LAC-363-01 1



PREPARED BY:

POLARIS
Engineering Ltd.

PROJECT No. 28298

DCCP-100 CONTROL PANEL SCHEMATICS		DATE	BY	DATE	BY	DATE	BY	DATE	BY
1		AS BUILT		09/01/07					
0		ISSUED FOR CONSTRUCTION		09/01/07					
A		ISSUED FOR APPROVAL		09/01/07					
DESCRIPTION		DESCRIPTION	DATE	BY	DATE	BY	DATE	BY	DATE
REFERENCE DRAWINGS		REVISIONS							

APPROVED BY: **SMW**

DATE: 09/01/07

DATE: 09/01/07

DATE: 09/01/07

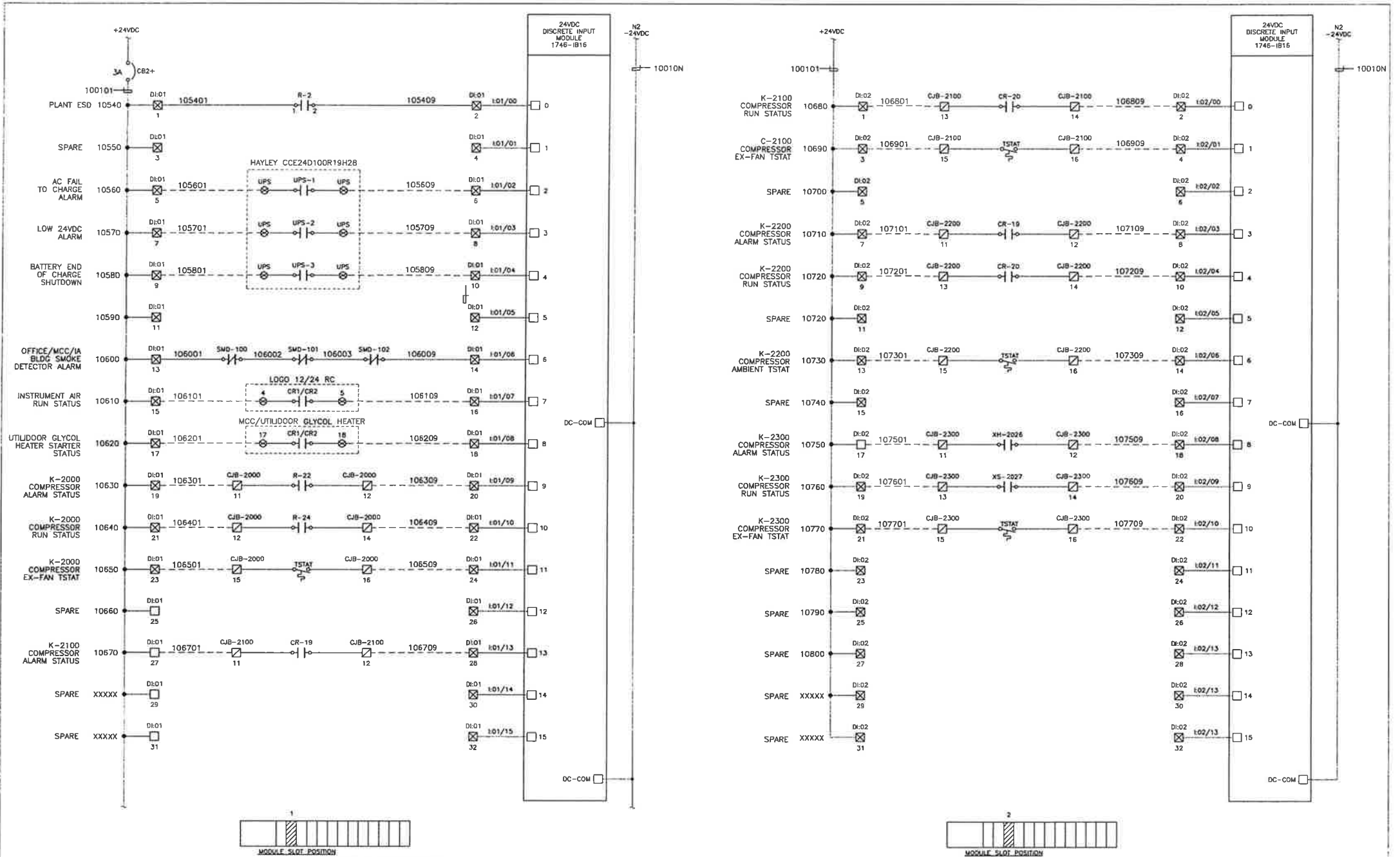
FOCUS ENERGY TRUST

LACADENA BOOSTER COMPRESSOR ADDITION

LSD 04-10-23-18 W3M

DCCP-100 CONTROL PANEL SCHEMATICS

NONE 28298 A1-LAC-363-02 1

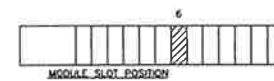
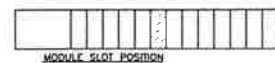
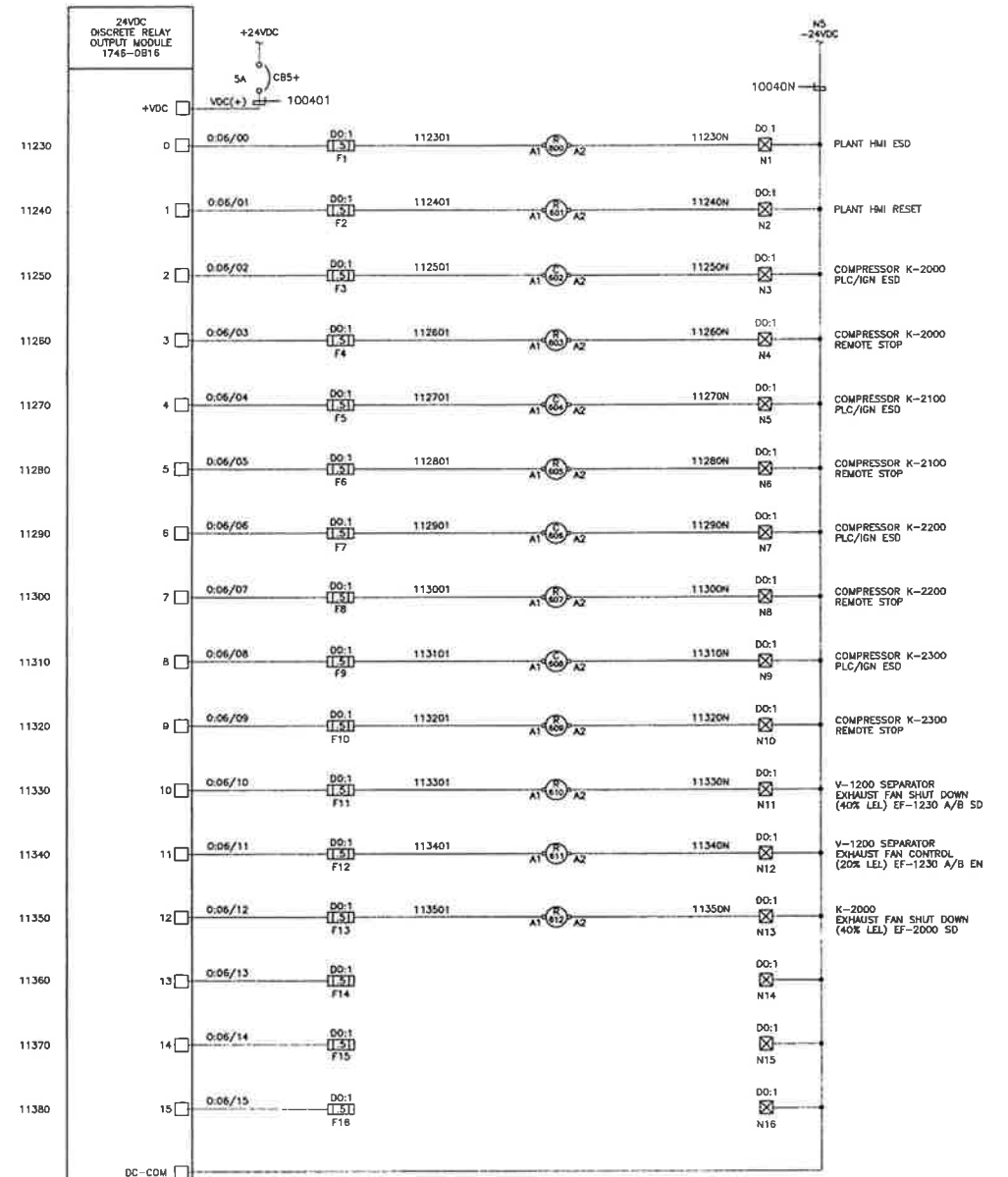
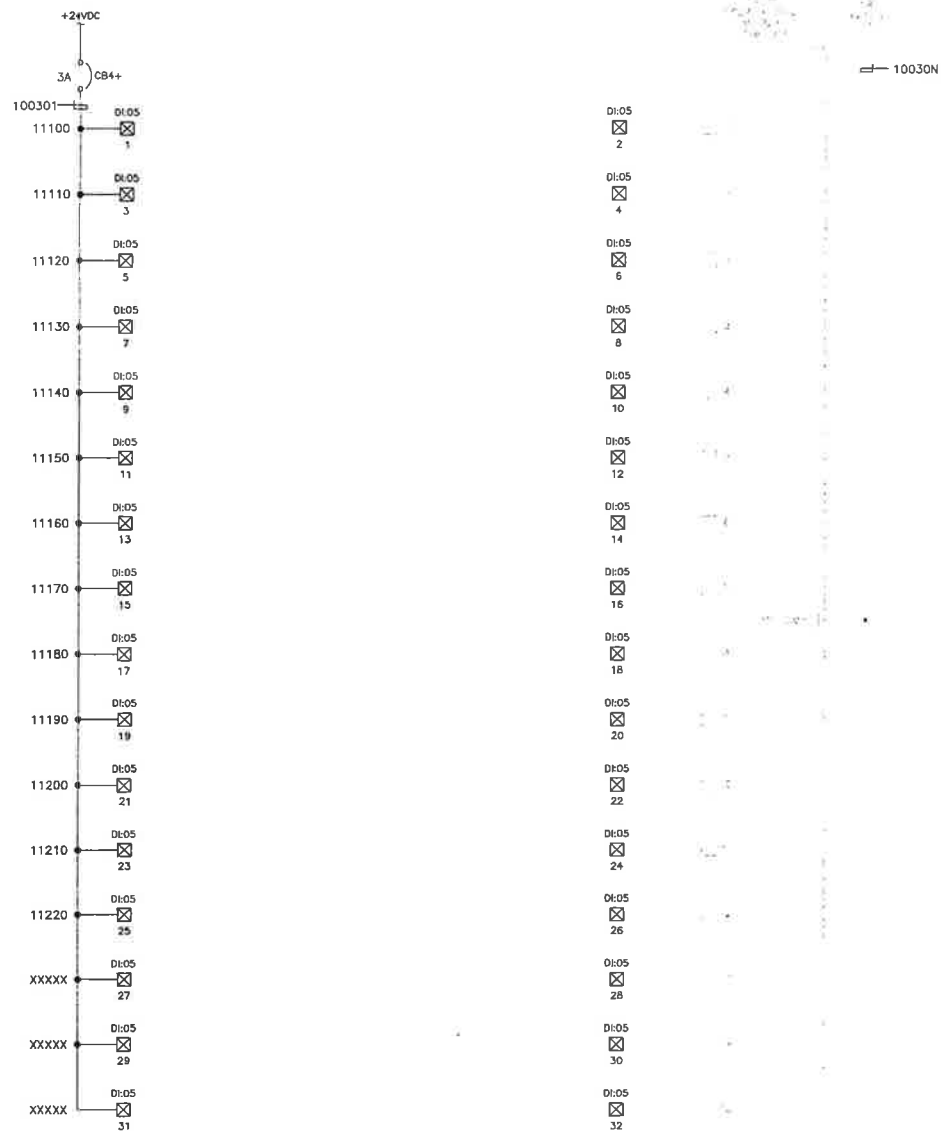


PREPARED BY:

 PROJECT No. 28298

REV	DESCRIPTION	DATE	BY	APPD
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FOCUS ENERGY TRUST
 LACADENA BOOSTER COMPRESSOR ADDITION
 LSD 04-10-23-18 W3M
 DCCP-100 CONTROL PANEL SCHEMATICS
 NONE 28298 A1-LAC-363-03 1



PREPARED BY:



PROJECT No. 28298

REV	DESCRIPTION	DATE	BY	APP'D
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2	ISSUED FOR CONSTRUCTION	07/04/02	SWW	
3	ISSUED FOR APPROVAL	09/02/18	SWW	

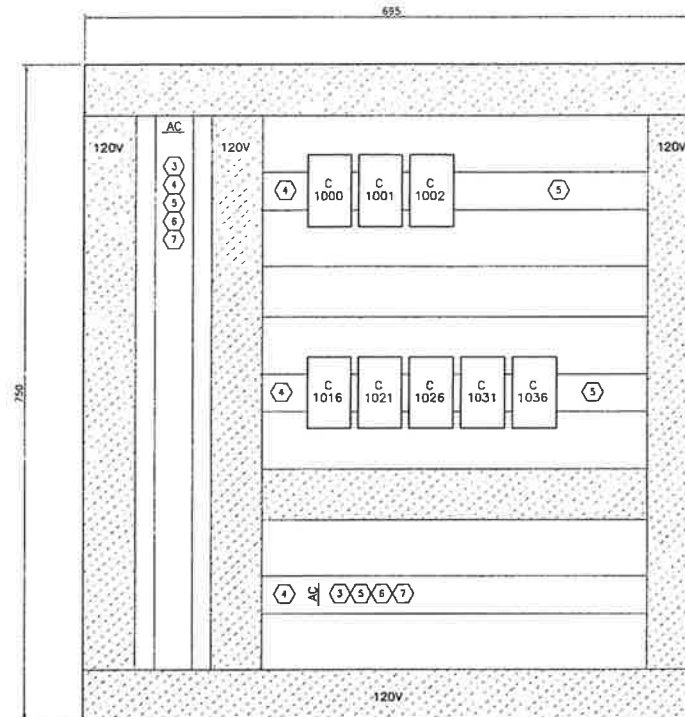
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BY	SWW
APP'D	

DATE	09/01/14
BY	SWW
APP'D	

DATE	09/01/14
BY	SWW
APP'D	

FOCUS ENERGY TRUST

LACADENA BOOSTER COMPRESSOR ADDITION
LSD 04-10-23-18 WSM
DCCP-100 CONTROL PANEL SCHEMATICS
NONE 28298 A1-LAC-363-05 1



CONTROL PANEL BILL OF MATERIALS				
ITEM	QTY	DESCRIPTION	MANUFACTURER	CAT. NUMBER
1	10	120 VAC COIL, 4 POLE 20 AMP CONTACTOR	ALLEN BRADLEY	100-C23D400
2	1	3 POSITION SELECTOR SWITCH c/w LEGEND PLATE	ALLEN BRADLEY	800T-S2A
3	112	FEED THROUGH TERMINAL	WEIDMULLER	WDU-4
4	4	DIN RAIL	WEIDMULLER	TS-35
5	24	END STOP	WEIDMULLER	EW-35
6	2	END PLATE	WEIDMULLER	-
7	112	DEKAFIX 1-112	WEIDMULLER	-

PREPARED BY:



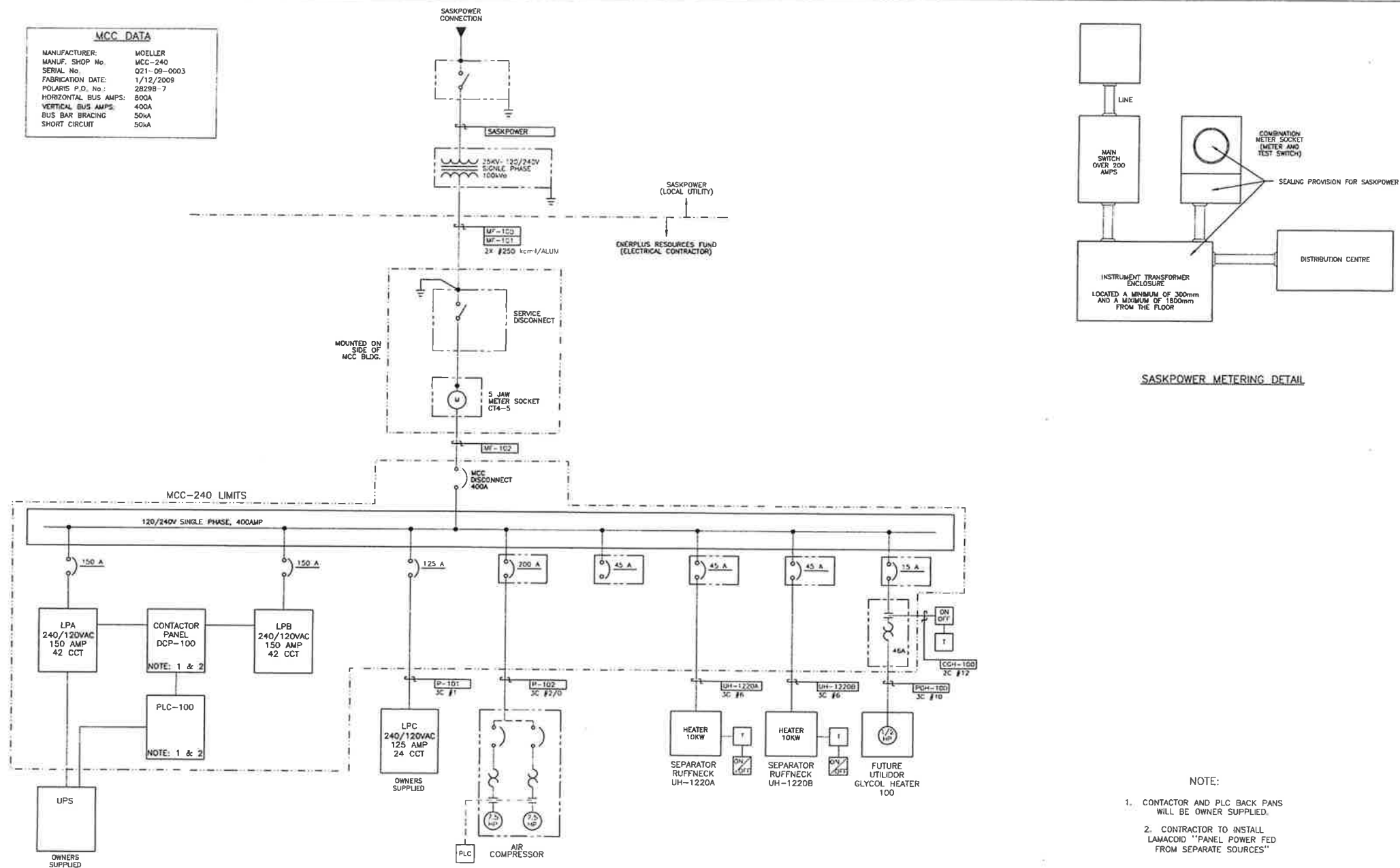
PROJECT No. 28298

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2 ISSUED FOR CONSTRUCTION		09/04/02		JMM			
3 ISSUED FOR APPROVAL		09/02/09		JMM			
DESCRIPTION		DATE		BY		APPROVED	
REFERENCE DRAWINGS							



LACADENA BOOSTER COMPRESSOR ADDITION		LSD 04-10-23-18 W3M	
CP-001 CONTACTOR PANEL LAYOUT			
NONE	28298	A1-LAC-363-11	1

MANUFACTURER:	MOELLER
MANUF. SHOP No.	WCC-240
SERIAL No.	Q21-09-0003
FABRICATION DATE:	1/12/2009
POLARIS P.O. No.:	28298-7
HORIZONTAL BUS AMPS:	800A
VERTICAL BUS AMPS:	400A
BUS BAR BRACING	50KA
SHORT CIRCUIT	50KA



NOTE:

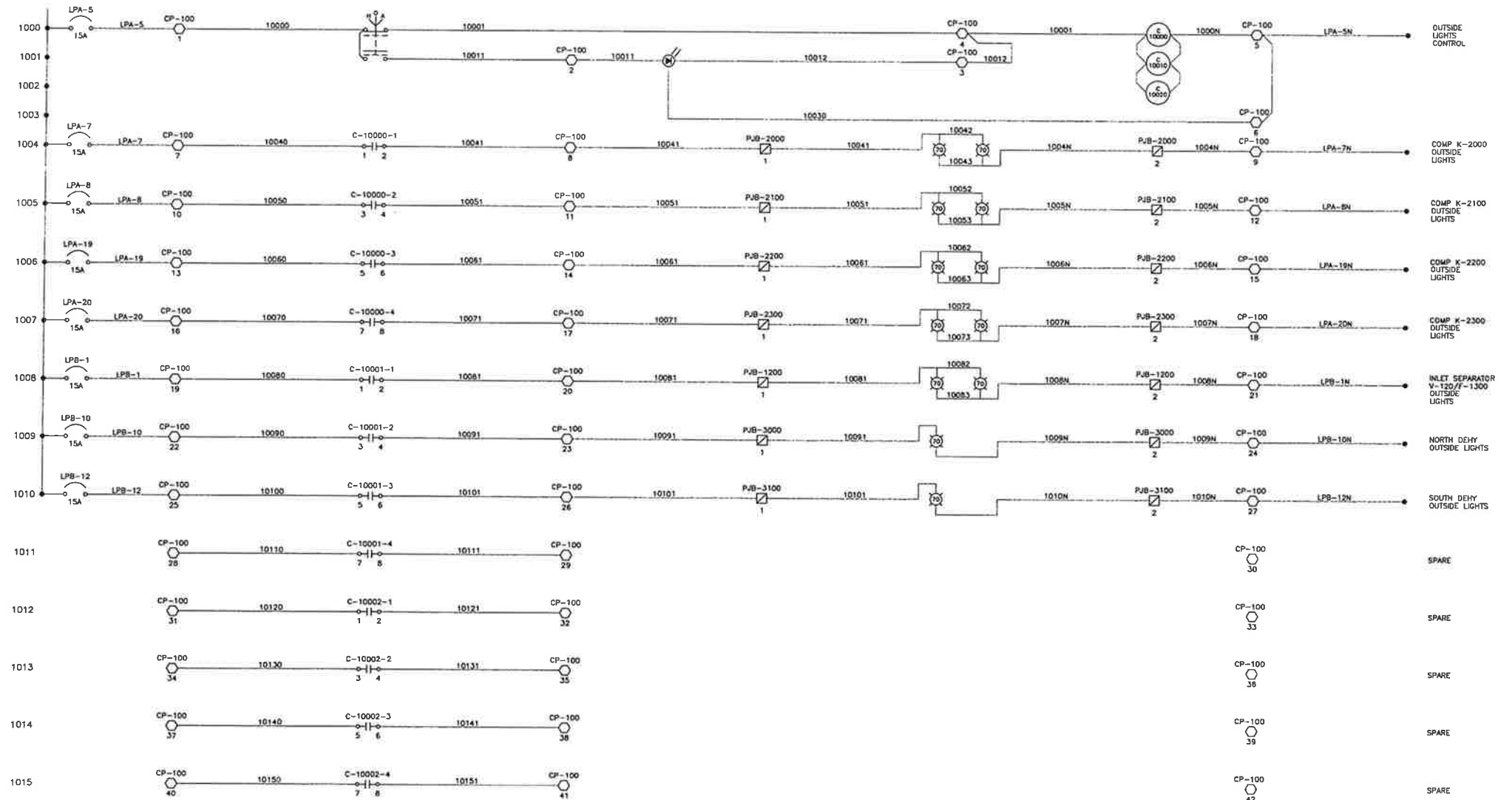
1. CONTACTOR AND PLC BACK PANS
WILL BE OWNER SUPPLIED.
2. CONTRACTOR TO INSTALL
LAMACOID "PANEL POWER FED
FROM SEPARATE SOURCES"

PREPARED BY:



PROJECT No. 28298

[illegible]



PREPARED BY:



PROJECT No. 28298

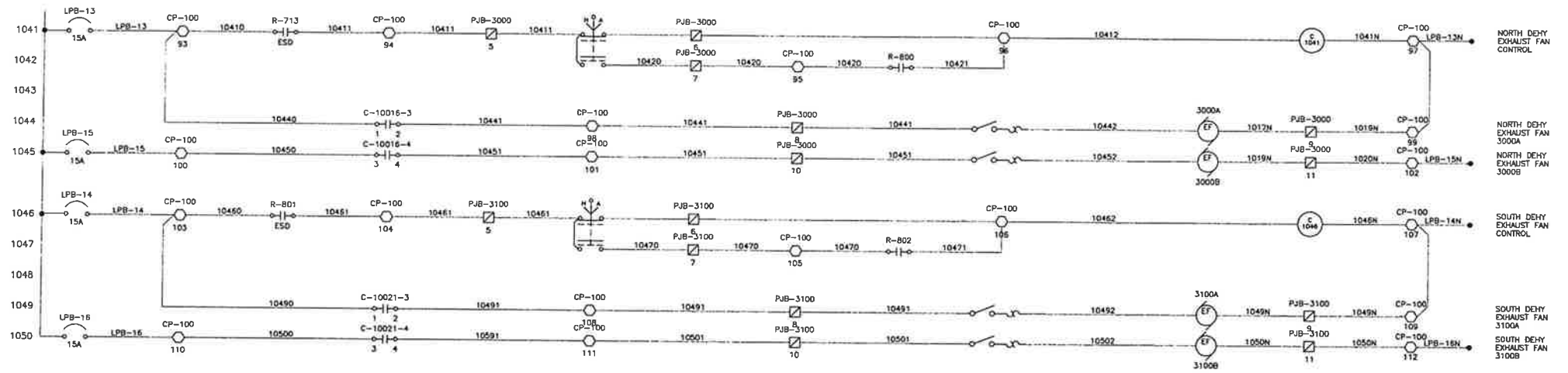
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3		ISSUED FOR APPROVAL				08/12/11		CRW			
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FOCUS ENERGY TRUST

LACADENA BOOSTER COMPRESSOR ADDITION
LSD 04-10-23-18 W3M
CONTACTOR PANEL SCHEMATICS

DATE: NONE PROJECT: 28298 DRAWING: A1-LAC-365-02 REV: 1

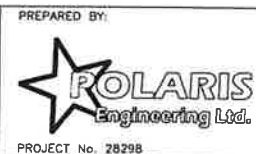
										CML BY: CRW CML BY: SW MOD BY: SW		DATE: 08/12/11			
														TACED: LACADENA BOOSTER COMPRESSOR ADDITION LSO 04-10-23-18 W3M CONTACTOR PANEL SCHEMATIC	
DWG. NO.		DESCRIPTION		REV		DESCRIPTION		DATE		BY		APPROD		TAIL: NONE TACED: 28298 TACED: A1-LAC-365-03	
		REFERENCE DRAWINGS				REVISIONS								REV: 1	



PREPARED BY:

 PROJECT No. 28298

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[illegible]

VOLTS: 120/240 PHASE: 1 WIRE: 3			LIGHTING PANEL <u>A</u>										LOCATION: MCC BUSS: 2P	
DESCRIPTION			LOAD		TRIP AMPS	CCT No.	BUSS		CCT No.	TRIP AMPS	LOAD		DESCRIPTION	
			A	B			A	B			A	B		
			-		15	1	●	●	2	2P		-	PLC 120VAC POWER/LIGHT	
*GFI					15	3	●	●	4	40			OFFICE WATER/DRAIN ELECTRICAL HEAT TRACE	240VAC - 24VDC 100A UPS
					15	5	●	●	6	15			OUTSIDE LIGHT CONTROL	INSTRUMENT AIR DRYER
					15	7	●	●	8	15			COMPRESSOR K-2000 - OUTSIDE LIGHTS	COMPRESSOR K-2100 - OUTSIDE LIGHTS
					15	9	●	●	10	15			COMPRESSOR K-2000 - INSIDE LIGHTS	COMPRESSOR K-2100 - INSIDE LIGHTS
					15	11	●	●	12	15			COMPRESSOR K-2000 - EXHAUST FAN 2000A	COMPRESSOR K-2100 - EXHAUST FAN 2100A
					15	13	●	●	14	15			COMPRESSOR K-2000 - EXHAUST FAN 2000B	COMPRESSOR K-2100 - EXHAUST FAN 2100B
*GFI					15	15	●	●	16	15			SPARE (FOR EHT)	SPARE (FOR EHT)
*GFI					15	17	●	●	18	15			SPARE (FOR EHT)	SPARE (FOR EHT)
					15	19	●	●	20	15			COMPRESSOR K-2200 - OUTSIDE LIGHTS	COMPRESSOR K-2300 - OUTSIDE LIGHTS
					15	21	●	●	22	15			COMPRESSOR K-2200 - INSIDE LIGHTS	COMPRESSOR K-2300 - INSIDE LIGHTS
					15	23	●	●	24	15			COMPRESSOR K-2200 - EXHAUST FAN 2100A	COMPRESSOR K-2300 - EXHAUST FAN 2300A
					15	25	●	●	26	15			COMPRESSOR K-2200 - EXHAUST FAN 2100B	COMPRESSOR K-2300 - EXHAUST FAN 2300B
					15	27	●	●	28	15			COMPRESSOR K-2200 - RECEPTACLE	COMPRESSOR K-2300 - RECEPTACLE
					15	29	●	●	30	15			COMP K-2200 RECEPTACLE	COMP K-2300 RECEPTACLE
					15	31	●	●	32	15				
					15	33	●	●	34	15				
					15	35	●	●	36	15				
					15	37	●	●	38	15				
					15	39	●	●	40	15				
					15	41	●	●	42	15				
TOTAL LOAD:					13000					13950				
TOTAL CONNECTED LOAD:														

*GFI ARE 30mA

PREPARED BY:



PROJECT No. 28298

DATE		BY		APPROVED		DATE		BY		APPROVED		DATE		BY		APPROVED	
05/05/08		AWC				05/04/02		SMW				08/12/16		CRW			
AS BUILT																	
ISSUED FOR CONSTRUCTION																	
ISSUED FOR APPROVAL																	
DESCRIPTION		REV		DATE		BY		APPROVED		DATE		BY		APPROVED		DATE	
REFERENCE DRAWINGS																	
NONF		28298		A1-LAC-366-01		1											



LACADENA BOOSTER COMPRESSOR ADDITION
LSD 04-10-23-18 W3M
ELECTRICAL LIGHTING SCHEDULES

LOCATION: MCC
BUSS: 2P

*GFI 5mA

PREPARED BY:

**POLARIS**
Engineering Ltd.

PROJECT No. 28298

[illegible]

CONDUIT OR CABLE NO.	APPLICATION	RATING		RUN			CONDUIT		CABLE (TECK-90-HI)										INSTALL DRAWING	REMARKS
		HP OR kVA	VOLTS	FROM	VIA	TO	SIZE	LENGTH	SINGLE CDTRS.			MULTIPLE CDTRS.				SPARE	SERVICE	LENGTH		
									NO. & SIZE	INSUL.	VOLTS	NO. & SIZE	NO. OF CDTRS	INSUL.	VOLTS					
AIT-0120	LEL SOUTH INLET HEADER	-	24VDC	PLC PANEL	TRAY	SOUTH INLET HEADER AIT-0120	-	-	-	-	-	16	6TR	BELDON	300	-	-	-	-	TECK CABLE
AIT-0120A	LEL AIT-0120	-	24VDC	CJB-1000	COND.	AIT-0120	-	-	1TR/16	BELDON	300	-	-	-	-	-	-	-	-	CONDUIT
AIT-0220	LEL NORTH INLET HEADER	-	24VDC	PLC PANEL	TRAY	NORTH INLET HEADER AIT-0220	-	-	-	-	-	16	6TR	BELDON	300	-	-	-	-	TECK CABLE
AIT-0220A	LEL AIT-0220	-	24VDC	CJB-1100	TRAY	AIT-0220	-	-	1TR/16	BELDON	300	-	-	-	-	-	-	-	-	CONDUIT
TX-1000	CONTROLS ANALOG	-	24VDC	PLC PANEL	UG/TRAY	JBC-1100	-	-	-	-	-	16	6TR	-	300	-	-	-	-	TECK
TX-1100	CONTROLS ANALOG	-	24VDC	PLC PANEL	UG/TRAY	JBC-1100	-	-	-	-	-	16	6TR	-	300	-	-	-	-	TECK
TX-1200	CONTROLS ANALOG	-	24VDC	PLC PANEL	UG/TRAY	JBC-1200 SEPARATOR	-	-	-	-	-	16	12TR	-	300	-	-	-	-	TECK
TX-3000	CONTROLS ANALOG	-	24VDC	PLC PANEL	UG/TRAY	JBC-3000 NORTH DEHY	-	-	-	-	-	16	6TR	-	300	-	-	-	-	TECK
TX-3100	CONTROLS ANALOG	-	24VDC	PLC PANEL	UG/TRAY	JBC-3100 SOUTH DEHY	-	-	-	-	-	16	6TR	-	300	-	-	-	-	TECK
TX-2000	CONTROLS ANALOG	-	24VDC	PLC PANEL	UG/TRAY	JBC-2000	-	-	-	-	-	16	6TR	-	300	-	-	-	-	TECK
TX-2100	CONTROLS ANALOG	-	24VDC	PLC PANEL	UG/TRAY	JBC-2100	-	-	-	-	-	16	6TR	-	300	-	-	-	-	TECK
TX-2200	CONTROLS ANALOG	-	-	PLC PANEL	UG/TRAY	JBC-2200	-	-	-	-	-	16	6TR	-	300	-	-	-	-	TECK
TX-2300	CONTROLS ANALOG	-	-	PLC PANEL	UG/TRAY	JBC-2300	-	-	-	-	-	16	6TR	-	300	-	-	-	-	TECK
COM HMI	COMMUNICATION			PLC PANEL		PLANT HMI						CAT 5								ARMOURED TECK
COM 1	COMMUNICATION			PLC PANEL		COMPRESSOR C-2300						CAT 5								ARMOURED TECK
COM 2	COMMUNICATION			K-2300		COMPRESSOR C-2000						CAT 5								ARMOURED TECK
COM 3	COMMUNICATION			K-2000		COMPRESSOR C-2100						CAT 5								ARMOURED TECK
COM 4	COMMUNICATION			K-2100		COMPRESSOR C-2200						CAT 5								ARMOURED TECK

- NOT DIPPED GALVANIZED STEEL UNLESS NOTED AS FOLLOWS:
EP - ELECTROPLATED GALVANIZED STEEL
A - ALUMINUM
E - EMT
F - FIBER
T - TRANSIT
PC - PLASTIC COATED
P - PASTIC (PVC)
EV - EVERDUR
K - KORDUIT
- INDICATES APPROX. LENGTH ONLY & SHALL NOT BE USED FOR CUTTING.
- 1. CABLE SHALL BE ARMoured TECK CABLE c/w OTHER PVC JACKET CROSS LINK RW90 COPPER CONDUCTORS & INNER PVC JACKET ETC. (MINUS 40C) SIZES AS SPECIFIED. ALL TECK IS TO BE CSA APPROVED FOR CLASS1, DIV 1 LOCATIONS (TYPE HL).
- 2. PAIRS & TRIO CABLE SHALL BE RATED "HLX" FOR GROUP "D"

PREPARED BY:



PROJECT No. 28298

DWG NO.	DESCRIPTION
	REFERENCE DRAWINGS

REV	DESCRIPTION	DATE	BY	APPRO
1	AS BUILT	09/05/08	SWW	
2	ISSUED FOR CONSTRUCTION	09/04/02	SWW	
3	ISSUED FOR APPROVAL	09/02/18	SWW	

SWW

09/01/15

FOCUS ENERGY TRUST

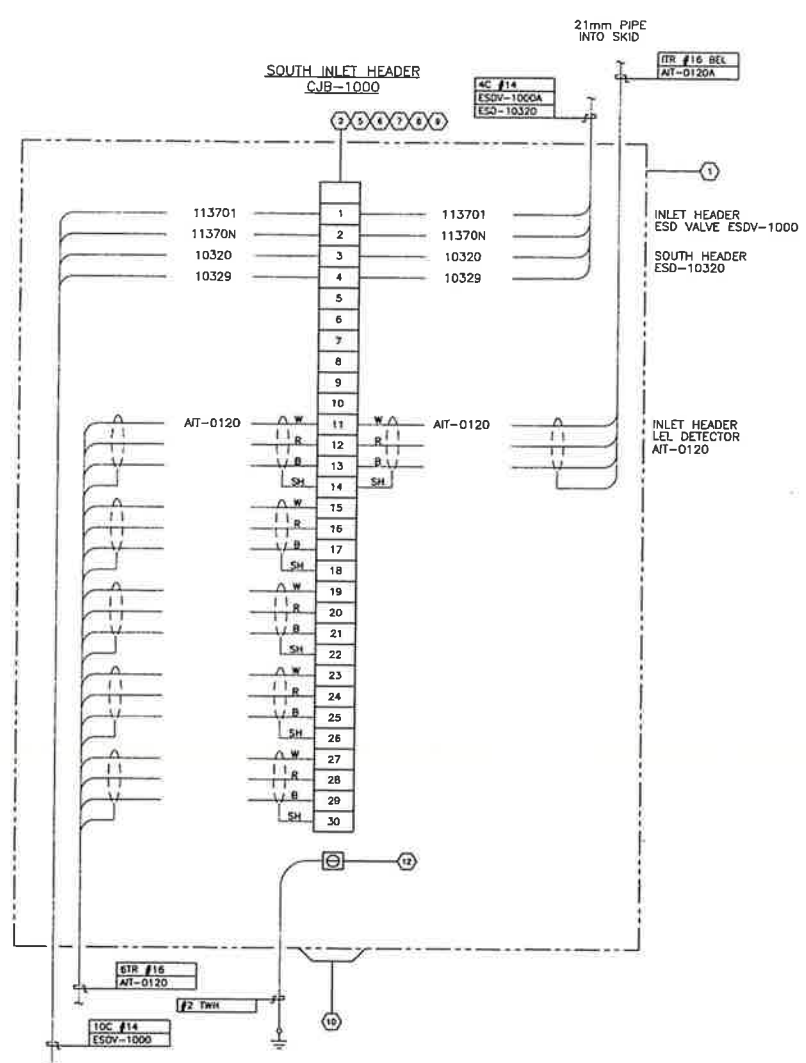
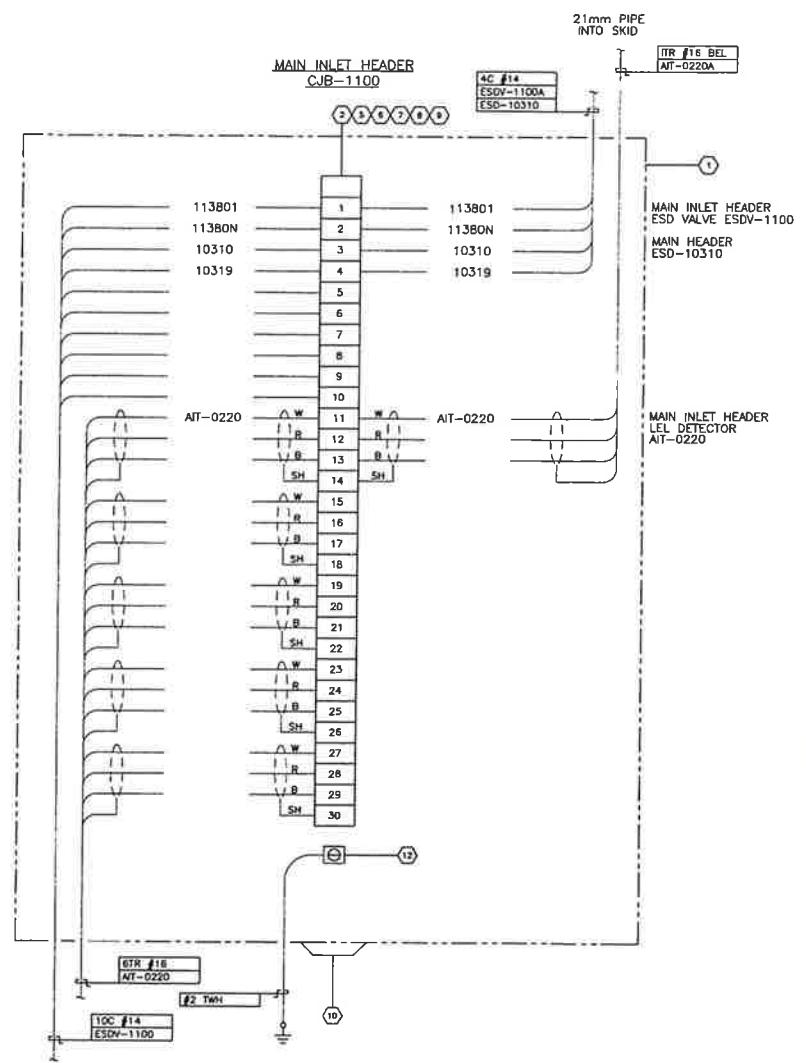
LACADENA BOOSTER COMPRESSOR ADDITION
LSD 04-10-23-18 W3M
CABLE & CONDUIT SCHEDULE

SHEET

28298

A1-LAC-366-05

1



CUSTOM ENCLOSURE MATERIAL LIST		
ITEM	QTY	DESCRIPTION
1	2	CUSTOM STEEL NEMA 4, WEATHERPROOF RATED ENCLOSURE: - 405mmH x 305mmW x 152mmD (EXTERIOR DIMENSIONS): - FULL HEIGHT DOOR c/w CSD TYPE CLOSURES: - HEAVY DUTY HINGE: - c/w (1) BACKPAN.
2	60	WEIDMULLER WDU-2.5 TERMINALS c/w ACCESSORIES.
3	-	WEIDMULLER WDU-4 TERMINALS c/w ACCESSORIES.
4	-	WEIDMULLER WDU-6 TERMINALS c/w ACCESSORIES.
5	2	WEIDMULLER WAP-2.5/4/6/10 END PLATE.
6	4	WEIDMULLER EW-35 END BRACKET.
7	2	WEIDMULLER SCHT-5 GROUP TAG HOLDER.
8	AS REQ'D	DEKAFIX MARKING TAG (#1-#50).
9	AS REQ'D	WEIDMULLER TS35 MOUNTING RAIL.
10	2	HOFFMAN #A-NM6 DRAIN SEAL.
11	2	25mm x 75mm LAMC00D.
12	2	GROUNDING BARS.

PREPARED BY:



PROJECT No. 28298

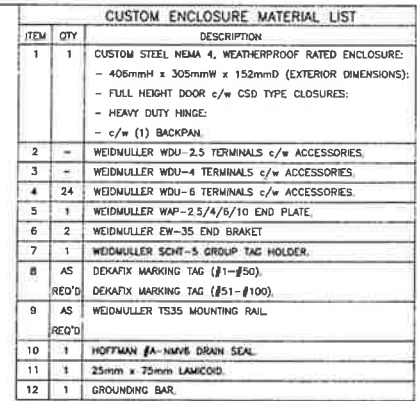
DWG. NO.	DESCRIPTION	REV.	DESCRIPTION	DATE	BY	APPROV.
	REFERENCE DRAWINGS					
		1	AS BUILT	08/05/08	ENC	
		0	ISSUED FOR CONSTRUCTION	09/04/02	WMM	
		A	ISSUED FOR APPROVAL	08/12/16	CRW	

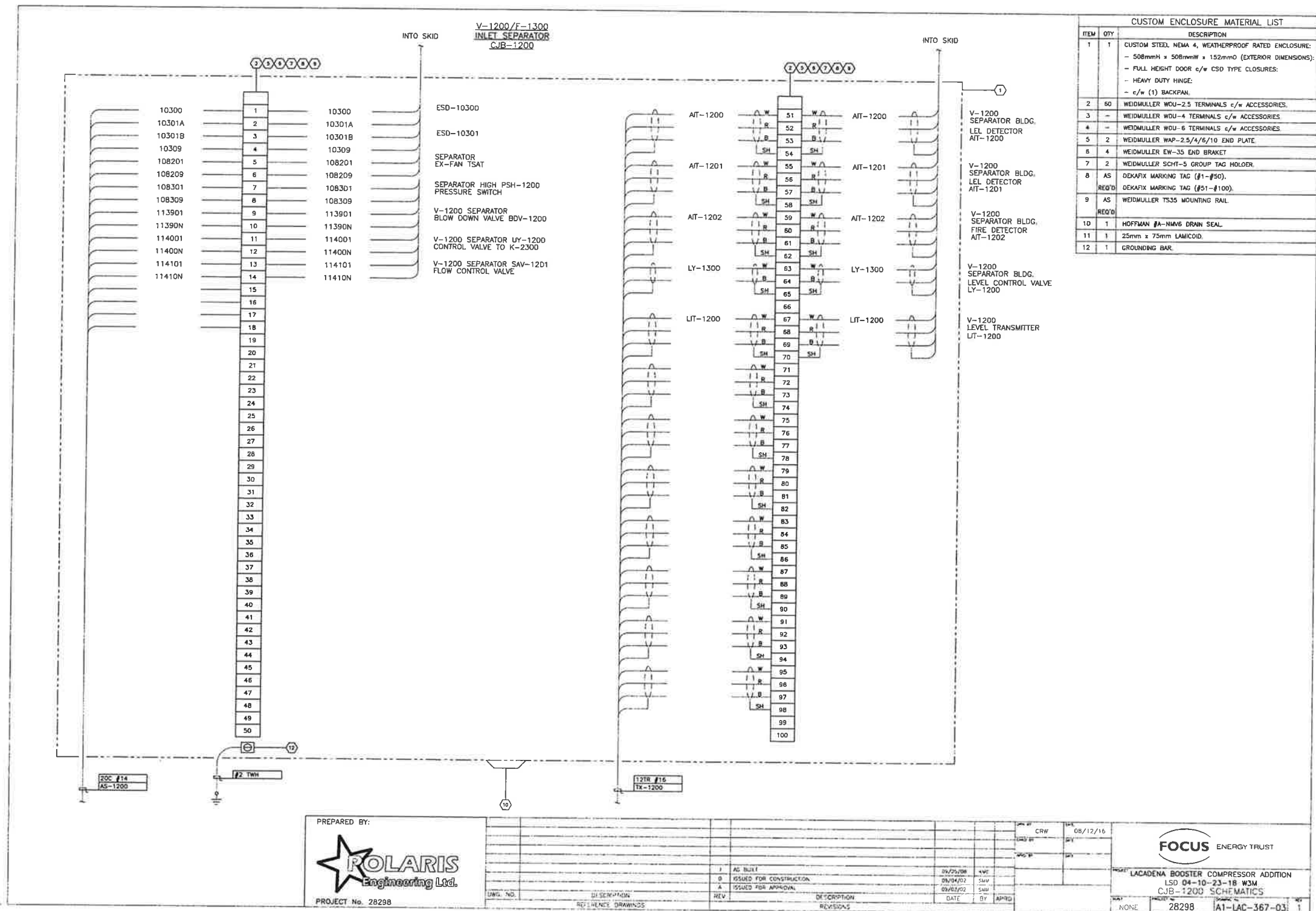
CRW 08/12/16

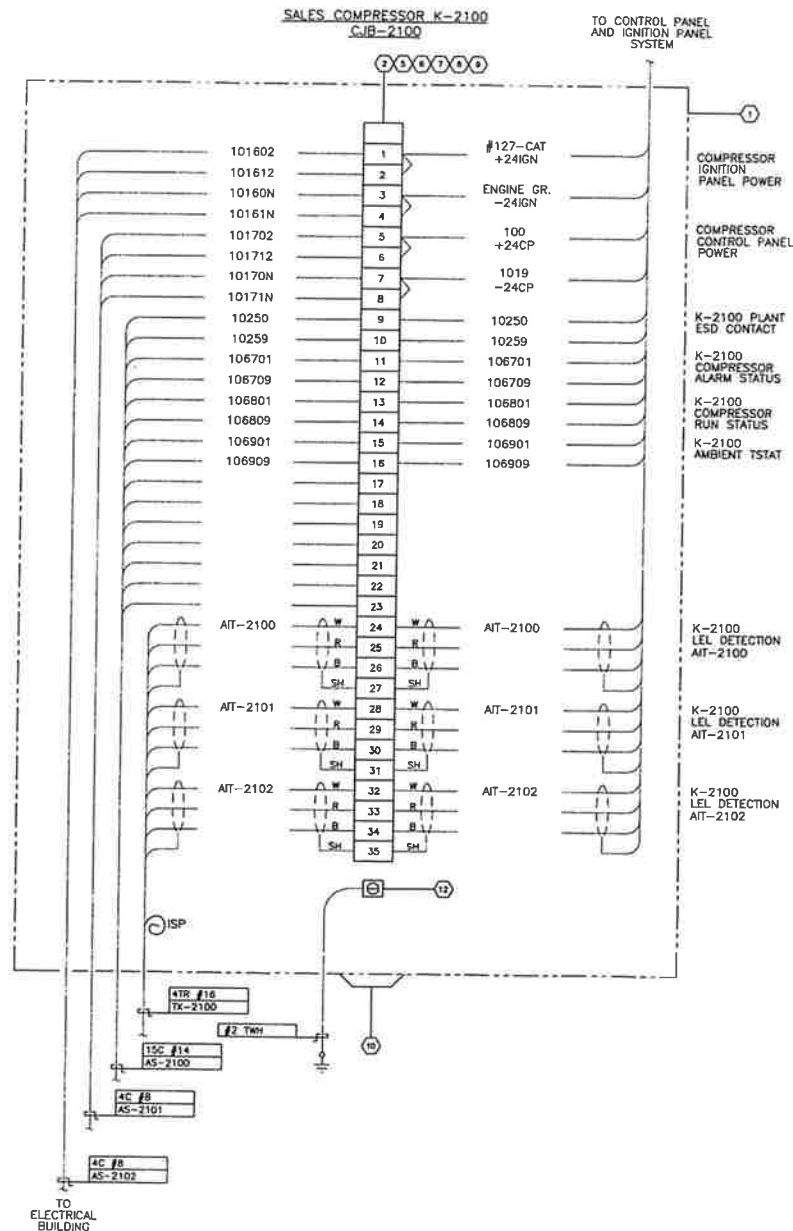
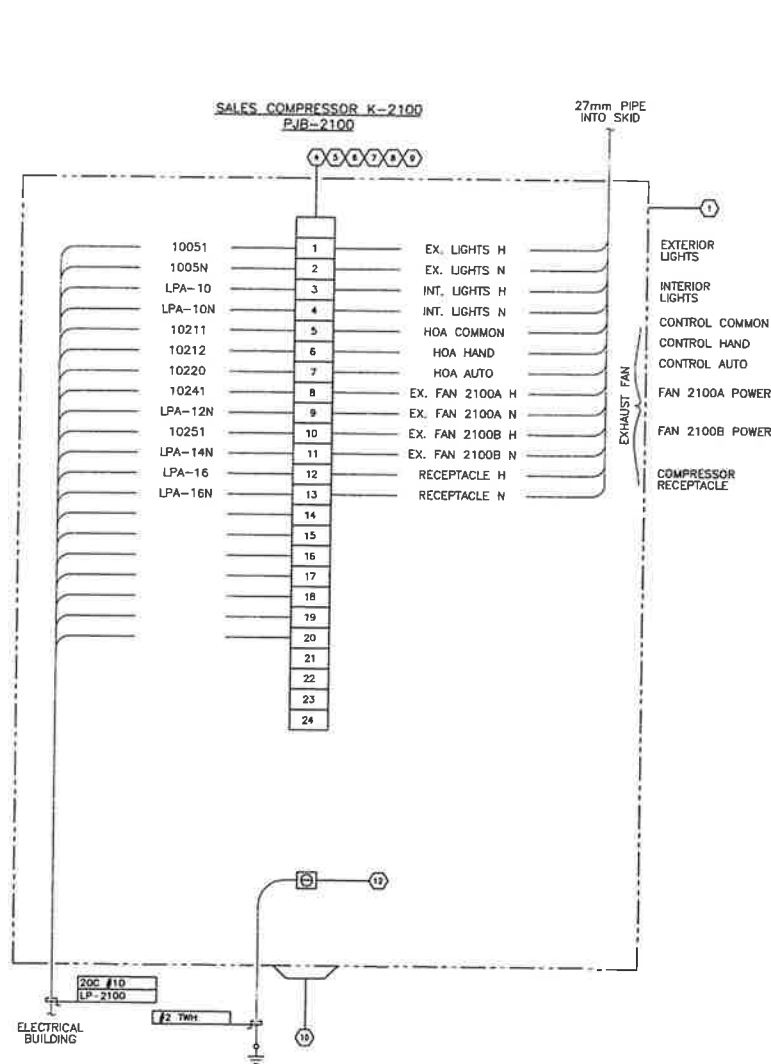


LACADENA BOOSTER COMPRESSOR ADDITION
LSD 04-10-23-18 WSM
CJB-1100 & CJB-1000 SCHEMATICS

NONE 28298 [A1-LCD-367-01] 1







CUSTOM ENCLOSURE MATERIAL LIST		
ITEM	QTY	DESCRIPTION
1	2	CUSTOM STEEL NEMA 4, WEATHERPROOF RATED ENCLOSURE: - 406mmH x 305mmW x 152mmD (EXTERIOR DIMENSIONS); - FULL HEIGHT DOOR c/w CSD TYPE CLOSURES; - HEAVY DUTY HINGE; - c/w (1) BACKPAN.
2	35	WEIDMULLER WDU-2.5 TERMINALS c/w ACCESSORIES.
3	-	WEIDMULLER WDU-4 TERMINALS c/w ACCESSORIES.
4	24	WEIDMULLER WDU-6 TERMINALS c/w ACCESSORIES.
5	2	WEIDMULLER WAP-2.5/4/6/10 END PLATE.
6	4	WEIDMULLER EW-35 END BRACKET.
7	2	WEIDMULLER SGT-5 GROUP TAG HOLDER.
8	AS	DEKAFIX MARKING TAG (#1-#50).
9	AS	WEIDMULLER TS35 MOUNTING RAIL.
10	2	HOFFMAN #A-NMVB DRAIN SEAL.
11	2	25mm x 75mm LAMICOID.
12	2	GROUNDING BAR.

PREPARED BY:



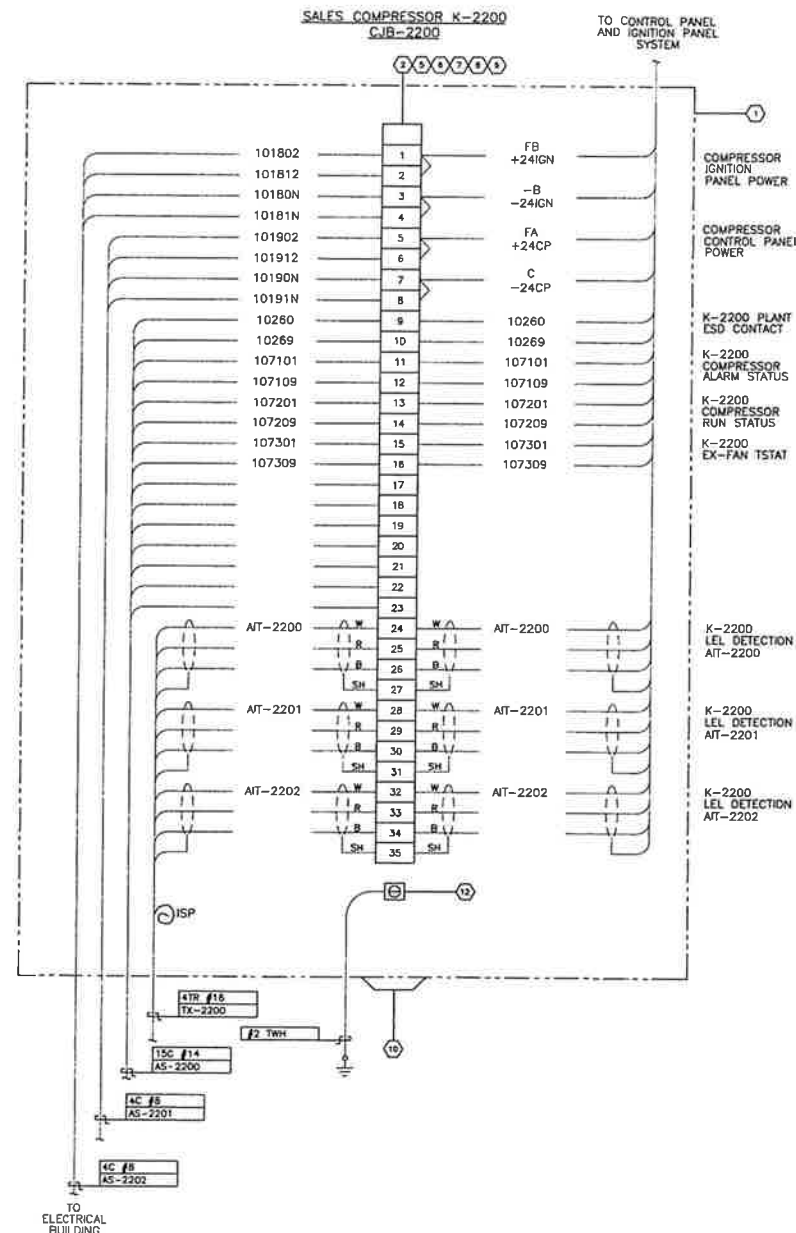
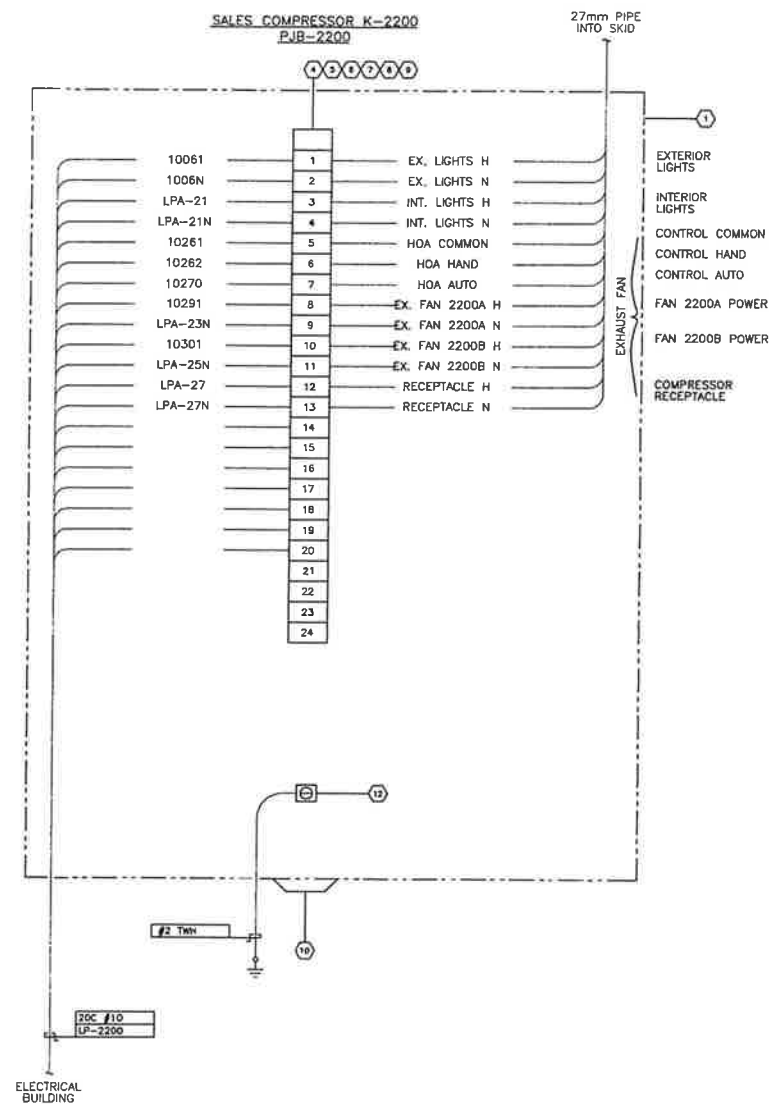
PROJECT No. 28298

DESCRIPTION		DATE		BY		APPROVED	
1. AS BUILT		08/05/16		CRW		08/12/16	
2. ISSUED FOR CONSTRUCTION		09/01/02		SMU			
3. ISSUED FOR APPROVAL		08/17/16		CRW			
DESCRIPTION		DATE		BY		APPROVED	
REVISIONS							



LACADENA BOOSTER COMPRESSOR ADDITION
LSD 04-10-23-18 W3M
PJB-2100 & CJB-2100 SCHEMATICS

DATE: NONE PROJECT: 28298 DRAWING: A1-LAC-367-05 REV: 1



CUSTOM ENCLOSURE MATERIAL LIST		
ITEM	QTY	DESCRIPTION
1	2	CUSTOM STEEL NEMA 4, WEATHERPROOF RATED ENCLOSURE: - 406mmH x 305mmW x 152mmD (EXTERIOR DIMENSIONS): - FULL HEIGHT DOOR c/w CSD TYPE CLOSURES: - HEAVY DUTY HINGE: - c/w (1) BACKPAN.
2	35	WEIDMULLER WDU-2.5 TERMINALS c/w ACCESSORIES.
3	-	WEIDMULLER WDU-4 TERMINALS c/w ACCESSORIES.
4	24	WEIDMULLER WDU-6 TERMINALS c/w ACCESSORIES.
5	2	WEIDMULLER WAP-2.5/4/6/10 END PLATE.
6	4	WEIDMULLER EW-35 END BRACKET.
7	2	WEIDMULLER SCHT-5 GROUP TAG HOLDER.
8	AS	DEKAFIX MARKING TAG (#1-#30).
9	AS	WEIDMULLER TS35 MOUNTING RAIL.
10	2	HOFFMAN #A-NMVS DRAIN SEAL.
11	2	25mm x 75mm LAMICOD.
12	2	GROUNDING BAR.

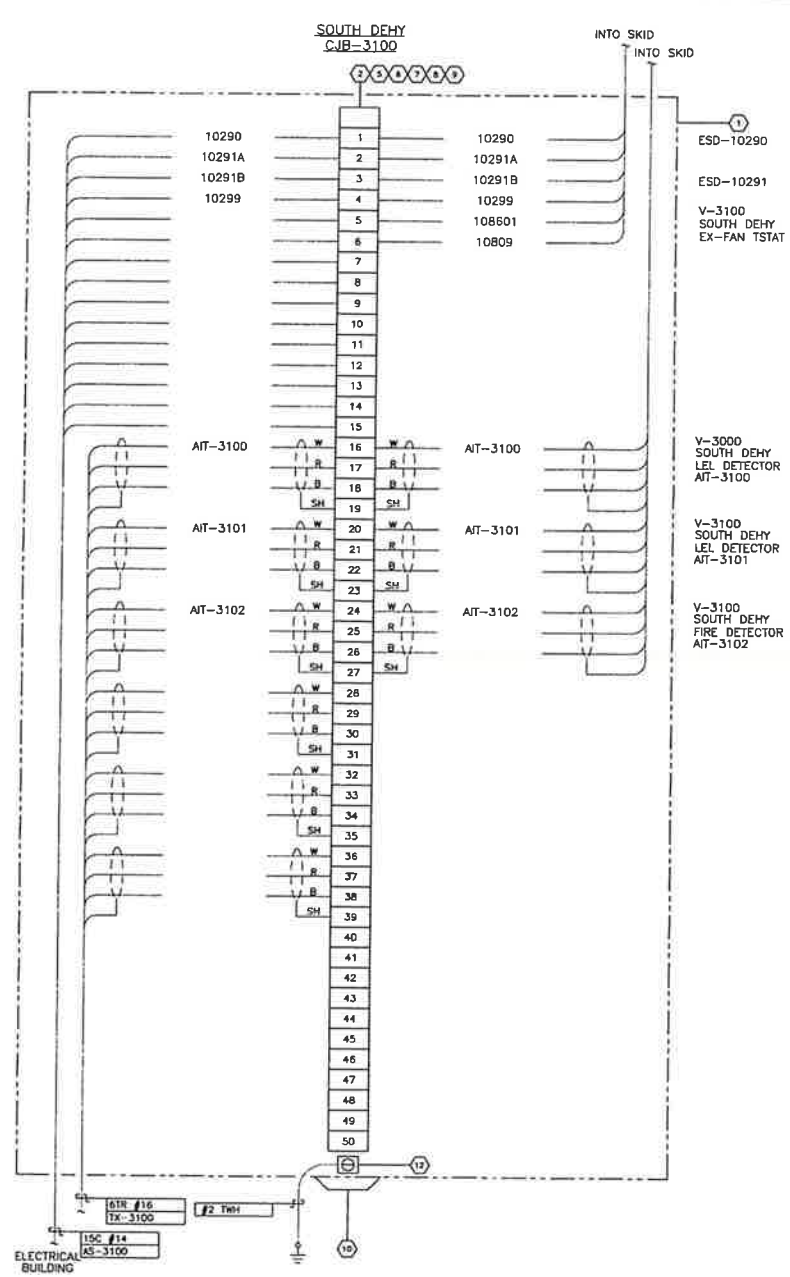
PREPARED BY:



PROJECT No. 28298

REV	DESCRIPTION	DATE	BY	APPROVED
1	AS BUILT	09/09/08	WMC	
2	ISSUED FOR CONSTRUCTION	09/09/08	WMC	
3	ISSUED FOR APPROVAL	08/12/16	CRW	

CRW	08/12/16	
DATE		
BY		
APPROVED		
FOCUS ENERGY TRUST		
LACADENA BOOSTER COMPRESSOR ADDITION		
LSD 04-10-23-18 W3M		
PJB-2200 & CJB-2200 SCHEMATICS		
SCALE	28298	A1-LAC-367-06
REV		1



PREPARED BY:

 **POLARIS**
Engineering Ltd.

PROJECT No. 26298

[illegible]



WARNING SIGN

DANGER

UNDERGROUND LIVE WIRE

JUNCTION BOX

TECK CABLE

BUILDING

2000

SLOPE MIN. 1:3

FINISHED GRADE

PVC IS TO CONTINUE MINIMUM OF 100mm BELOW COMPACTED BACKFILL

BACKFILL COMPACTED TO 95% S.D. PROCTOR

LOOP IN CABLE

SAND COMPACTED TO 95% S.D. PROCTOR

300

100

150 Min

500

1000 MIN

TECK CABLES

VENTILATION OPENING
-EXHAUST FAN
-LOUVER

1500 MIN.

DANGER
UNDERGROUND
LIVE WIRE

JUNCTION BOX

CABLE CLAMP

TECK CABLE

UNGROUND
CABLE CLAMP
(SIZE AS REQ'D)

2

3

1

4

FINISHED GRADE

BACKFILL
COMPACTED TO 95%
STD PROCTOR

PVC IS TO CONTINUE
A MINIMUM OF 100mm
BELOW COMPACTED
BACKFILL

SAND
COMPACTED
TO 95%
STD PROCTOR

300

100

500

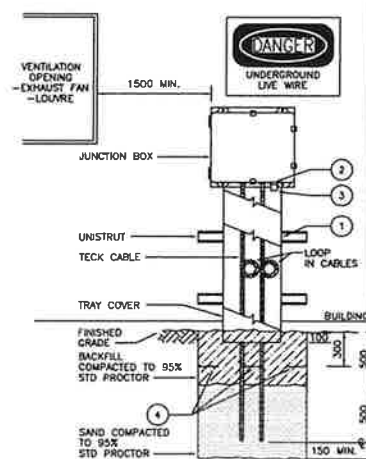
150 MIN.

BUILDING

LOOK
IN CABLES

1. CONTRACTOR TO ALLOW FOR EXTRA CABLE LENGTH WHEN COMING FROM U/G TO JUNCTION BOX.
2. CABLE SHALL BE INSTALLED SUCH THAT THERE IS STRAIN RELIEF FROM FROST HEAVES OR SETTLING.
3. ALL CONDUIT/CABLE ENTRIES SHALL BE FROM THE BOTTOM.

ITEM	QUAN	DESCRIPTION	TYPE
1	1	PVC SLEEVE	GROUP-H D8" 11 0 CASH 84 OR EQUIV
2	1	COVER & GASKET	GROUP-H D8" 11 0 CASH 84 OR EQUIV
3	1	BREATHER/DRAIN	GROUP-H D8" 11 0 CASH 84 OR EQUIV
4	1	MARKER TAPE, 76mm WIDTH	GROUP-H D8" 11 0 CASH 84 OR EQUIV



1. CONTRACTOR TO ALLOW FOR EXTRA CABLE LENGTH WHEN COMING FROM U/G TO JUNCTION BOX.
2. CABLE SHALL BE INSTALLED SUCH THAT THERE IS STRAIN RELIEF FROM FROST HEAVES OR SETTLING.
3. ALL CONDUIT/CABLE ENTRIES SHALL BE FROM THE BOTTOM.

ITEM	QTY	DESCRIPTION	TYPE
1	1	COVERED CABLE TRAY	
2	1	COVER & GASKET	CROUSE-HINDS DRF 11 C/4 CASK 643 OR EQUAL
3	1	BREATHER/DRAIN	CROUSE-HINDS LED UNIMOUNT OR EQUAL
4	1	MARKER TAPE, 76mm WIDTH	THOMAS & BETTS YT-3

DANGER
UNDERGROUND
LIVE WIRE

2100

2300

HIGH VOLTAGE OPENING

LOW VOLTAGE OPENING

150

150

900

900

200

200

100mm H.V. DUCT BY E.L.C. CONTRACTOR (DB2 OR FIE)

FISHWIRE INSTALLED IN HIGH VOLTAGE DUCT BY CUSTOMER

L.V. DUCT TO TERMINATE WITHIN THE L.V. SECTION OF THE PAD

GRANULAR FILL

The diagram shows a floor plan of a building. A 'DANGER UNDERGROUND LIVE WIRE' sign is located outside. A 'PLC' unit is shown in a central area. To the left is an 'OFFICE'. To the right is an 'MCC ROOM'. Below the 'MCC ROOM' is an 'MCC' unit. Lines connect the sign to the 'PLC' and 'MCC ROOM' areas, indicating a warning or connection.

NOTES:

1. DANGER SIGN REQUIRED AT ALL LOCATIONS WHERE UNDERGROUND CABLES LEAVE THE UNDERSIDE OF A BUILDING, TRANSFORMER, OR OTHER BURIED EQUIPMENT.



PROJECT No. 28298

PREPARED BY:

REV	DESCRIPTION	DATE	BY	APP'D
1	AS BUILT	09/01/18	SWA	
2	GROUND STUB-UP PROTECTION	06/04/17	SWA	
3	INSULATED BUSHING	06/03/16	SWA	
4	CONDUIT STRAP - ONE HOLE	06/03/16	SWA	

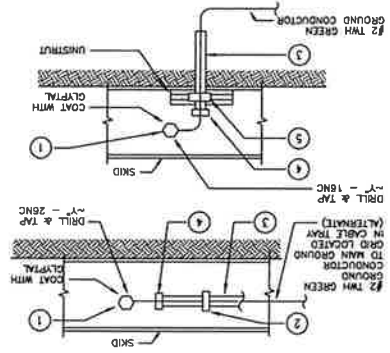
REV	DESCRIPTION	DATE	BY	APP'D
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2	GROUND STUB-UP PROTECTION	06/04/17	SWA	
3	INSULATED BUSHING	06/03/16	SWA	
4	CONDUIT STRAP - ONE HOLE	06/03/16	SWA	

REV	DESCRIPTION	DATE	BY	APP'D
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2	GROUND STUB-UP PROTECTION	06/04/17	SWA	
3	INSULATED BUSHING	06/03/16	SWA	
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REV	DESCRIPTION	DATE	BY	APP'D
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2	GROUND STUB-UP PROTECTION	06/04/17	SWA	
3	INSULATED BUSHING	06/03/16	SWA	
4	CONDUIT STRAP - ONE HOLE	06/03/16	SWA	

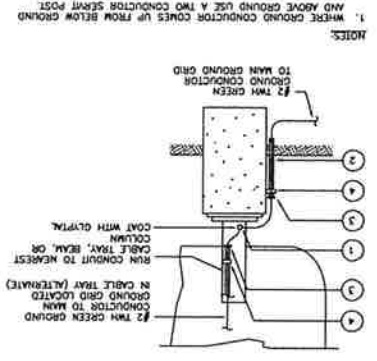
11 SKID GROUNDING

ITEM NO.	DESCRIPTION	TYPE
1	SKIRT POST (NOTE #1)	BRANDY
2	GROUND STUB-UP PROTECTION	ALUMINUM
3	INSULATED BUSHING	1223M
4	CONDUIT CLAMP	UNISTRUT

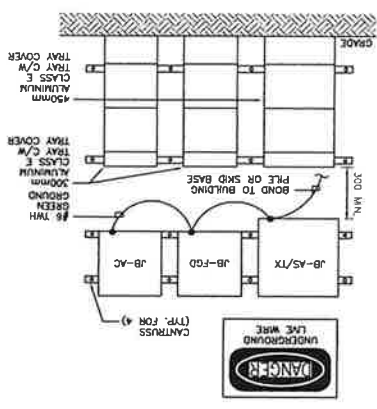


12 VESSEL GROUNDING

ITEM NO.	DESCRIPTION	TYPE
1	SKIRT POST (NOTE #1)	BRANDY
2	GROUND STUB-UP PROTECTION	ALUMINUM
3	INSULATED BUSHING	1223M
4	CONDUIT STRAP - ONE HOLE	OR EQUAL

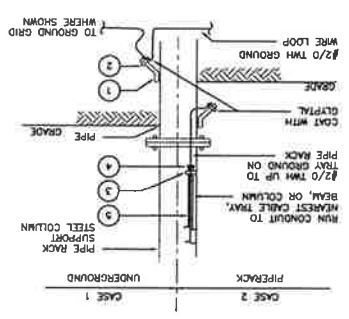


13 MULTIPLE JUNCTION BOXES



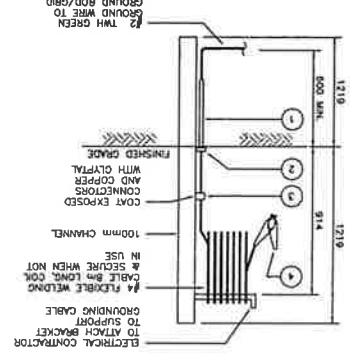
14 PILE GROUNDING

ITEM NO.	DESCRIPTION	TYPE
1	SKIRT POST (NOTE #1)	BRANDY
2	GROUND STUB-UP PROTECTION	ALUMINUM
3	INSULATED BUSHING	1223M
4	CONDUIT STRAP - ONE HOLE	OR EQUAL



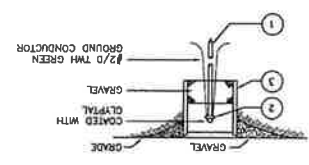
7 TRUCK GROUNDING

ITEM NO.	DESCRIPTION	TYPE
1	GROUND STUB-UP PROTECTION	ALUMINUM
2	INSULATED BUSHING	1223M
3	SKIRT POST	BRANDY
4	GROUNDING CLAMP	UNISTRUT



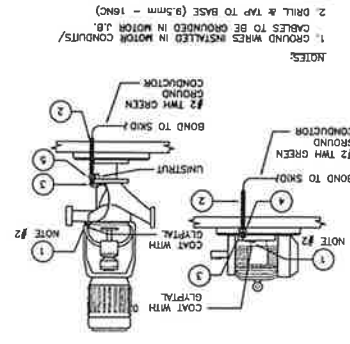
8 GROUNDWELL

ITEM NO.	DESCRIPTION	TYPE
1	GROUND STUB-UP PROTECTION	ALUMINUM
2	INSULATED BUSHING	1223M
3	SKIRT POST	BRANDY
4	GROUNDING CLAMP	UNISTRUT



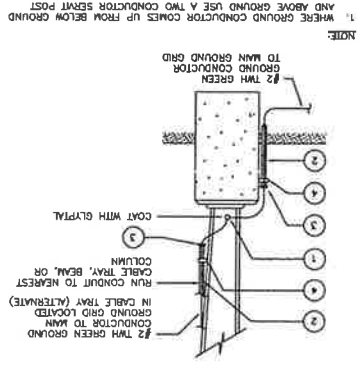
9 MOTOR GROUNDING TO STEEL SKID

ITEM NO.	DESCRIPTION	TYPE
1	SKIRT POST	BRANDY
2	GROUND STUB-UP PROTECTION	ALUMINUM
3	INSULATED BUSHING	1223M
4	CONDUIT STRAP - ONE HOLE	OR EQUAL



10 COLUMN GROUNDING

ITEM NO.	DESCRIPTION	TYPE
1	SKIRT POST (NOTE #1)	BRANDY
2	GROUND STUB-UP PROTECTION	ALUMINUM
3	INSULATED BUSHING	1223M
4	CONDUIT STRAP - ONE HOLE	OR EQUAL





PROJECT No. 28298

PREPARED BY:

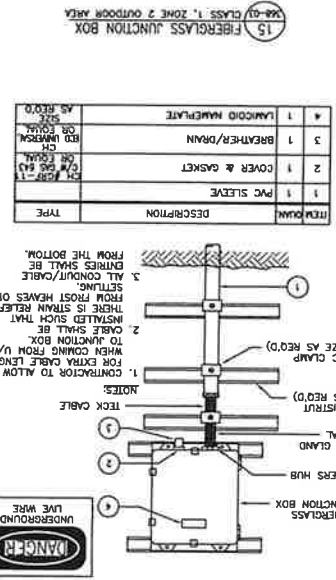
REV.	DESCRIPTION
1	AS BUILT
0	ORDER FOR REVISION
0	ORDER FOR REVISION
0	ORDER FOR REVISION

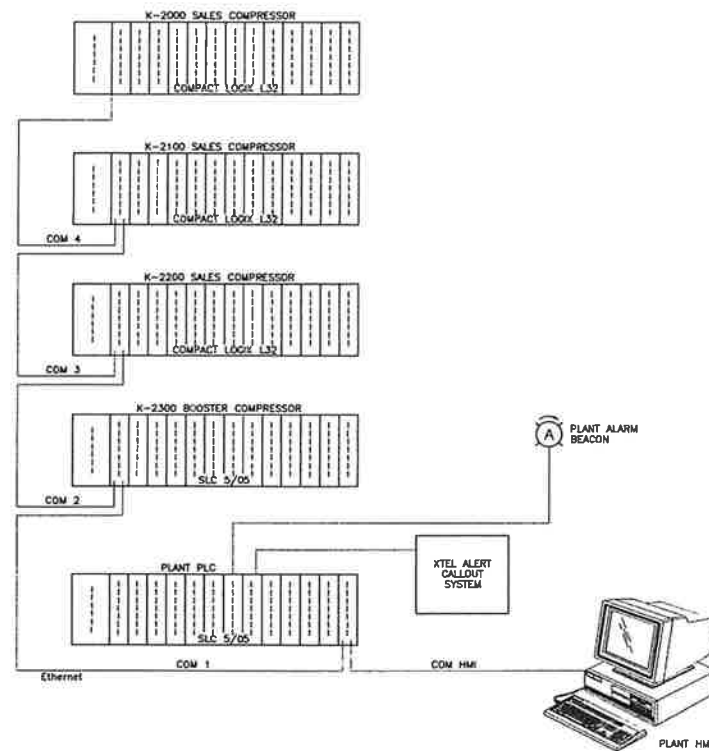
DATE	BY	APPRO
09/02/16	SM	
09/02/16	SM	
09/02/16	SM	

DATE: NONE
PROJECT No. 28298
AI-LAC-368-03
1

LACADEIA BOOSTER COMPRESSOR ADDITION
LSD 04-10-23-18 WSM
INSTALLATION DETAILS

FOCUS ENERGY TRUST





PREPARED BY:



PROJECT No. 28298

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DATE	09/01/07
TIME	
BY	
APPD.	



PROJECT	LACADENA BOOSTER COMPRESSOR ADDITION
PROJECT NO.	150 04-10-23-18 W3M
PROJECT NAME	FACILITY CONTROL SYSTEM ARCHITECTURE
TOTAL	NONE
PROJECT NO.	28298
PROJECT NAME	A1-LAC-363-10
PROJECT NO.	1