

COMPRESSOR DATA

WEIGHT: 15,000 LBS.

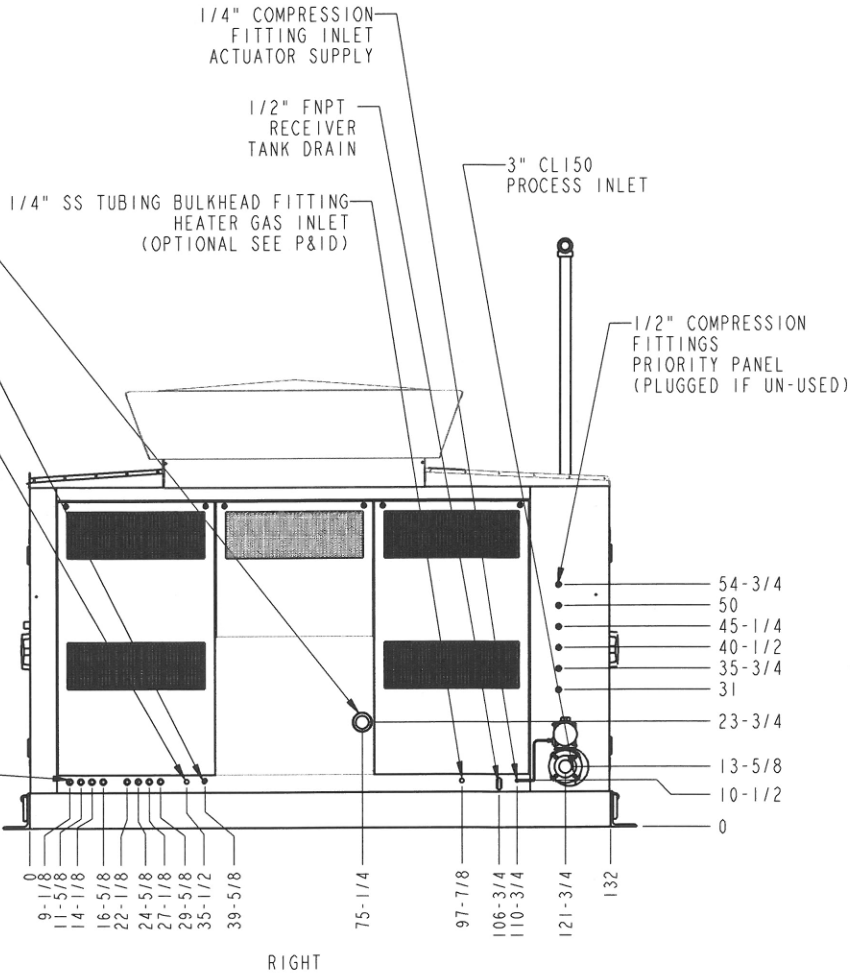
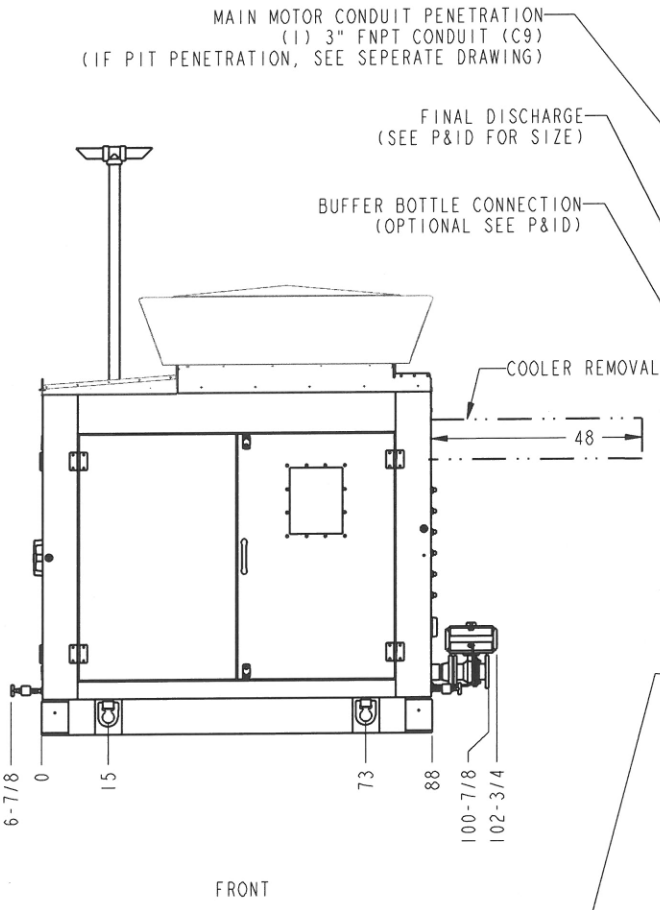
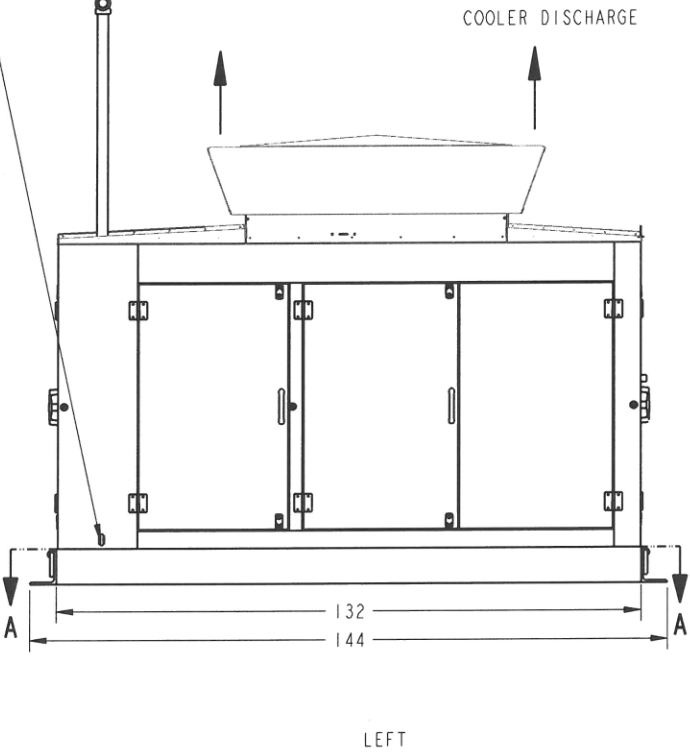
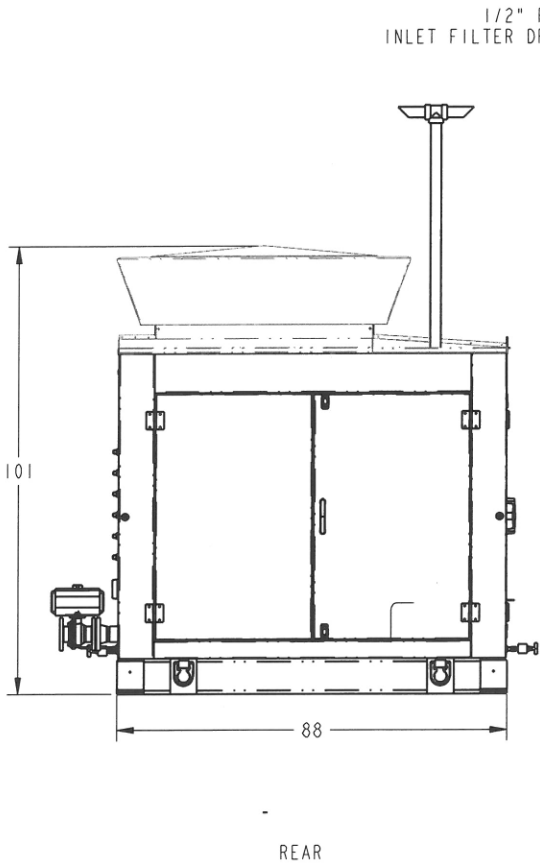
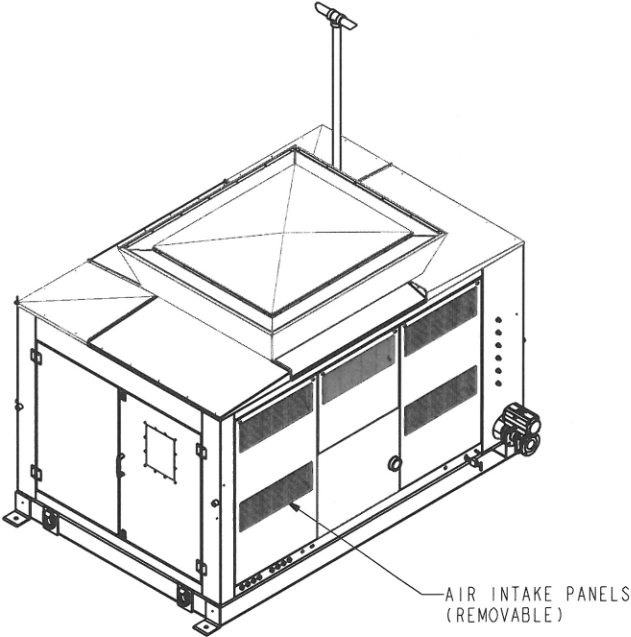
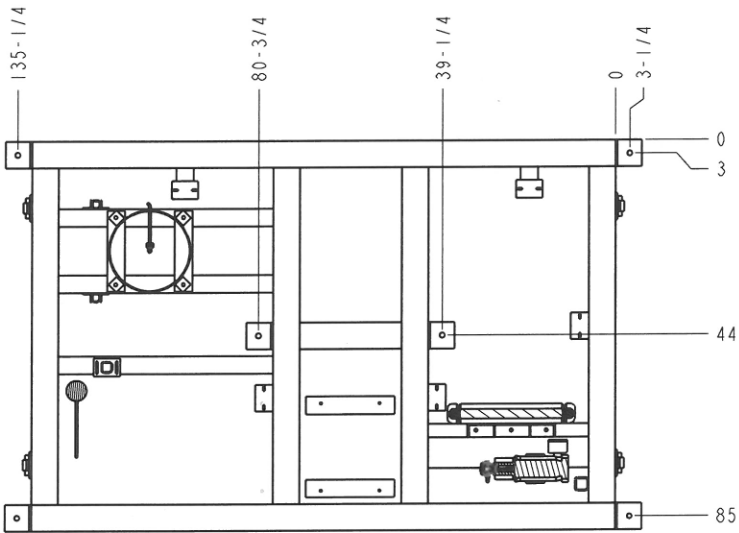
TYPE: ARIEL RECIPROCATING COMPRESSOR, CYLINDERS MAY VARY FROM THOSE SHOWN.

CLEARANCE: ALLOW 36" MINIMUM ON ALL SIDES FOR ACCESS UNLESS OTHERWISE INDICATED.

MOUNTING: REQUIRES SIX (6) 1" DIAMETER ANCHOR BOLTS (NOT PROVIDED BY ANG1). GROUTING THE COMPRESSOR TO THE CONCRETE PAD IS NOT RECOMMENDED.

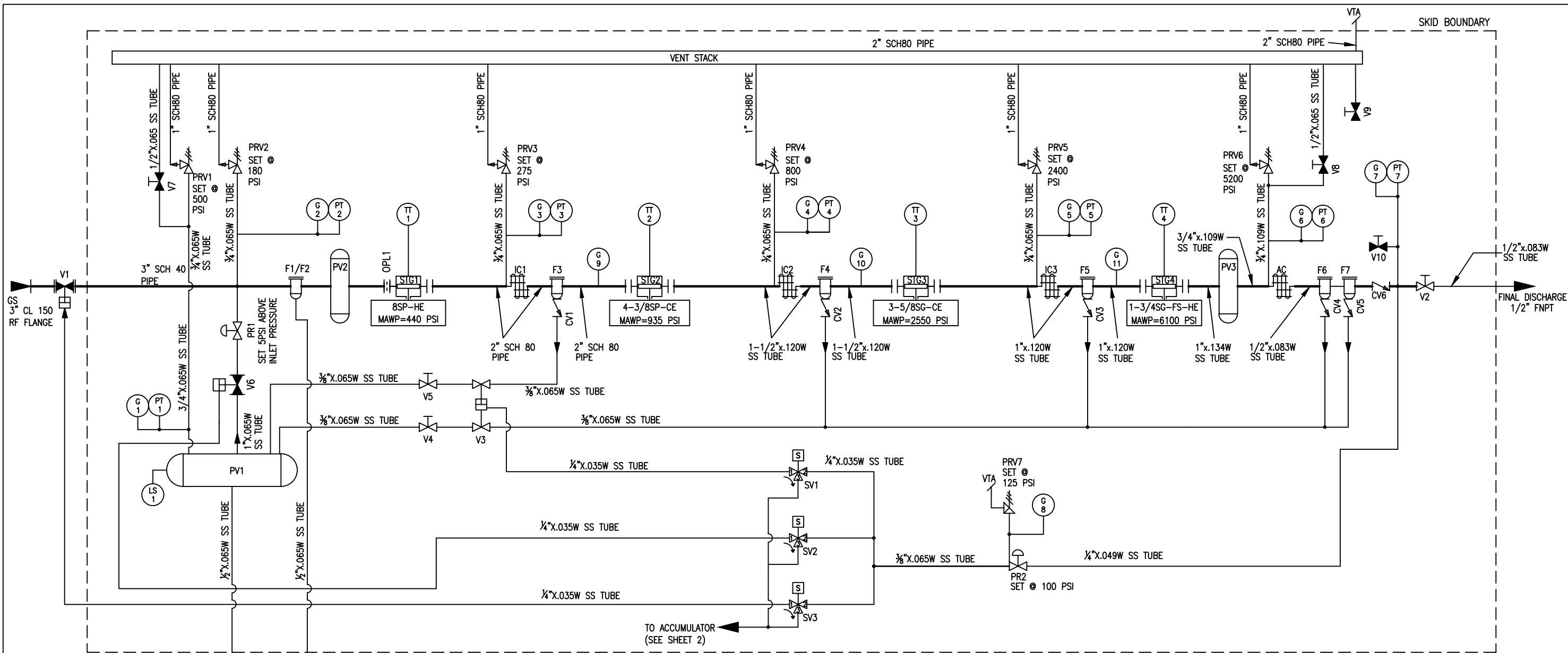
LIFTING: MINIMUM 13' SPREADER BAR IS REQUIRED. UTILIZE FOUR (4) LIFT RINGS.

SHIPPING: VENT STACK, 3" INLET VALVE, AND 1/4" ACTUATOR TUBING ARE REMOVED FOR SHIPPING.



ELECTRICAL CONDUIT PENETRATIONS
(8) 1" FNPT CONDUITS (C1 THRU C8)
UN-USED PENETRATIONS WILL BE PLUGGED
SEE CONDUIT MATRIX DRAWING
(IF PIT PENETRATIONS, SEE SEPERATE DRAWING)

A		04/16/12	ZWP	INITIAL RELEASE								
REV	DATE/BY	DESCRIPTION			REV	DATE/BY	DESCRIPTION					
		 ANG1 ENERGY SYSTEMS 15 PLUM STREET MILTON, WI 53563 PH: 608-848-4626 FX: 608-848-2123			UNLESS OTHERWISE SPECIFIED		TITLE GENERAL ARRANGEMENT - NG300ES WITH ENCLOSURE AND 3" CL150 INLET					
							PROJECT NO.					
					BRANCHED SHARP EDGES		STANDARD					
					ALL DIMENSIONS IN INCHES		DRAWING NO.					
					FRACTIONAL: 1/16, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/8, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 2 3/4, 3, 3 1/4, 3 1/2, 3 3/4, 4, 4 1/4, 4 1/2, 4 3/4, 5, 5 1/4, 5 1/2, 5 3/4, 6, 6 1/4, 6 1/2, 6 3/4, 7, 7 1/4, 7 1/2, 7 3/4, 8, 8 1/4, 8 1/2, 8 3/4, 9, 9 1/4, 9 1/2, 9 3/4, 10, 10 1/4, 10 1/2, 10 3/4, 11, 11 1/4, 11 1/2, 11 3/4, 12, 12 1/4, 12 1/2, 12 3/4, 13, 13 1/4, 13 1/2, 13 3/4, 14, 14 1/4, 14 1/2, 14 3/4, 15, 15 1/4, 15 1/2, 15 3/4, 16, 16 1/4, 16 1/2, 16 3/4, 17, 17 1/4, 17 1/2, 17 3/4, 18, 18 1/4, 18 1/2, 18 3/4, 19, 19 1/4, 19 1/2, 19 3/4, 20		GAD-NG300-S3CL150-E1					
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V11-V12	338-07241	2	VALVE-NDL WIKA 1/2 FNPT 10,000# (MLV13)
V10	330-07281	1	VALVE-PURGE 1/4 MNPT 6000# SS (BV7)
V8	334-07284	1	VALVE-BALL MV 1/2 600# W/LOCK (MV167)
V7, V9	330-07231	2	VALVE-PURGE 1/4 FML 6000# AG (BV3)
V6	334-07470	1	VALVE/ACT-SVF 1 N.C. (MV265)
V4-V5	339-02424	2	VALVE-BALL HOKE 3/8 6000# SS (MV4)
V3	334-07533	1	VALVE/ACT-HOKE (2) 3/8 NO 6000# (MV319)
V2	334-07362	1	VALVE-BALL SVF 1/2 6000# W/LOCK (MV166)
V1	334-07504	1	VALVE/ACT-SVF 3CL150 CS (MV294)
TT1-TT4	700-08041	4	RTD ASSY-400F MAX 5700# W/TWELL (RTD14)
SV1-SV3	330-07243	3	VALVE-SOL 3WY 1/4 150# 120V NC (SV9)
PV3	B02-88-014	1	PULSATION BOTTLE, 90CU-IN, 6100# MAWP
PV2	B02-17-008	1	PULSATION BOTTLE, 1350CU-IN, 275# MAWP
PV1	944-07263	1	TANK-VERT 100GAL 600# (PV80)
PT6,PT7	410-07282	1	TRANSD-AST 0-6000# IS/UL (PT50)
DESIGNATOR		PART NUMBER	TOTAL QTY DESCRIPTION

PT5	410-07281	1	TRANSD-AST 0-3000# IS/UL (PT49)
PT2, PT3	410-07277	2	TRANSD-AST 0-300# IS/UL (PT45)
PT1,4	410-07279	2	TRANSD-AST 0-1000# IS/UL (PT47)
PRV7	331-04522	1	VALVE-RELIEF 125# 1/4 ASME CSEAL (SRV37)
PRV6	331-08052	1	VALVE-RELIEF 5200# C-ORF MERCER (SRV152)
PRV5	331-08042	1	VALVE-RELIEF 2400# C-ORF MERCER (SRV142)
PRV4	331-08026	1	VALVE-RELIEF 800# D-ORF MERCER (SRV126)
PRV3	331-08012	1	VALVE-RELIEF 275# D-ORF MERCER (SRV112)
PRV2	331-08159	1	VALVE-RELIEF 180# E-ORF MERCER (SRV251)
PRV1	331-08019	1	VALVE-RELIEF 500# E-ORF MERCER (SRV119)
PR2	500-01674	1	REG-MECO PRIMARY W/O ENV CAP15 (PR13)
PR1	991-07667	1	REG-1" 15-40#SPRG 3/8ORF 627 (PR156)
OPL1	R1017	1	ORIFICE-PLATE 4 CL300 (2.14" HOLE)
LS1	485-02138	1	SWITCH-RECLVL MPHY L1100 EX1.5 (LLS7)
DESIGNATOR		PART NUMBER	TOTAL QTY DESCRIPTION

G2,8	741-07240	2	GAUGE-PRES 200#/B BM PM GF WIKA (G22)
G6,7	741-07289	2	GAUGE-PRES 10000#/B BM PM GF WIKA (G57)
G5,11	741-07245	2	GAUGE-PRES 3000#/B BM PM GF WIKA (G27)
G1,9	741-07243	2	GAUGE-PRES 600#/B BM PM GF WIKA (G25)
G3	741-07241	1	GAUGE-PRES 300#/B BM PM GF WIKA (G23)
G4,10	741-07251	2	GAUGE-PRES 1000#/B BM PM GF WIKA (G33)
F7	772-07302	1	FILTER-FINITE JS3B GR4 COALESCING (F172)
F6	772-07301	1	FILTER-FINITE JS3B GR10 COALESCING (F171)
F5	772-07300	1	FILTER-FINITE JS3B COALESCING (F170)
F4	772-07303	1	FILTER-FINITE JS4C COALESCING (F173)
F3	772-07274	1	FILTER-FINITE MS8S COALESCING (F101)
F2	770-07283	1	ELEMENT-RSDL 13x30x150MESH (F52)
F1	770-07257	1	FILTER-RSDL 3 CL150 W/O ELEMENT (F38)
CV6	336-07260	1	VALVE-CHECK 1/2 FML 6000# (CV50)
CV1-CV5	336-07266	5	VALVE-CHECK 3/8 FML SS 6000# (CV55)
DESIGNATOR		PART NUMBER	TOTAL QTY DESCRIPTION

B	9/13/13	SEE ECN# 130913-05			
REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION



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ANGI ENERGY SYSTEMS
305 W DELAVAN DR
JANESVILLE, WI 53546
PH: 608-563-2800
www.angienergy.com

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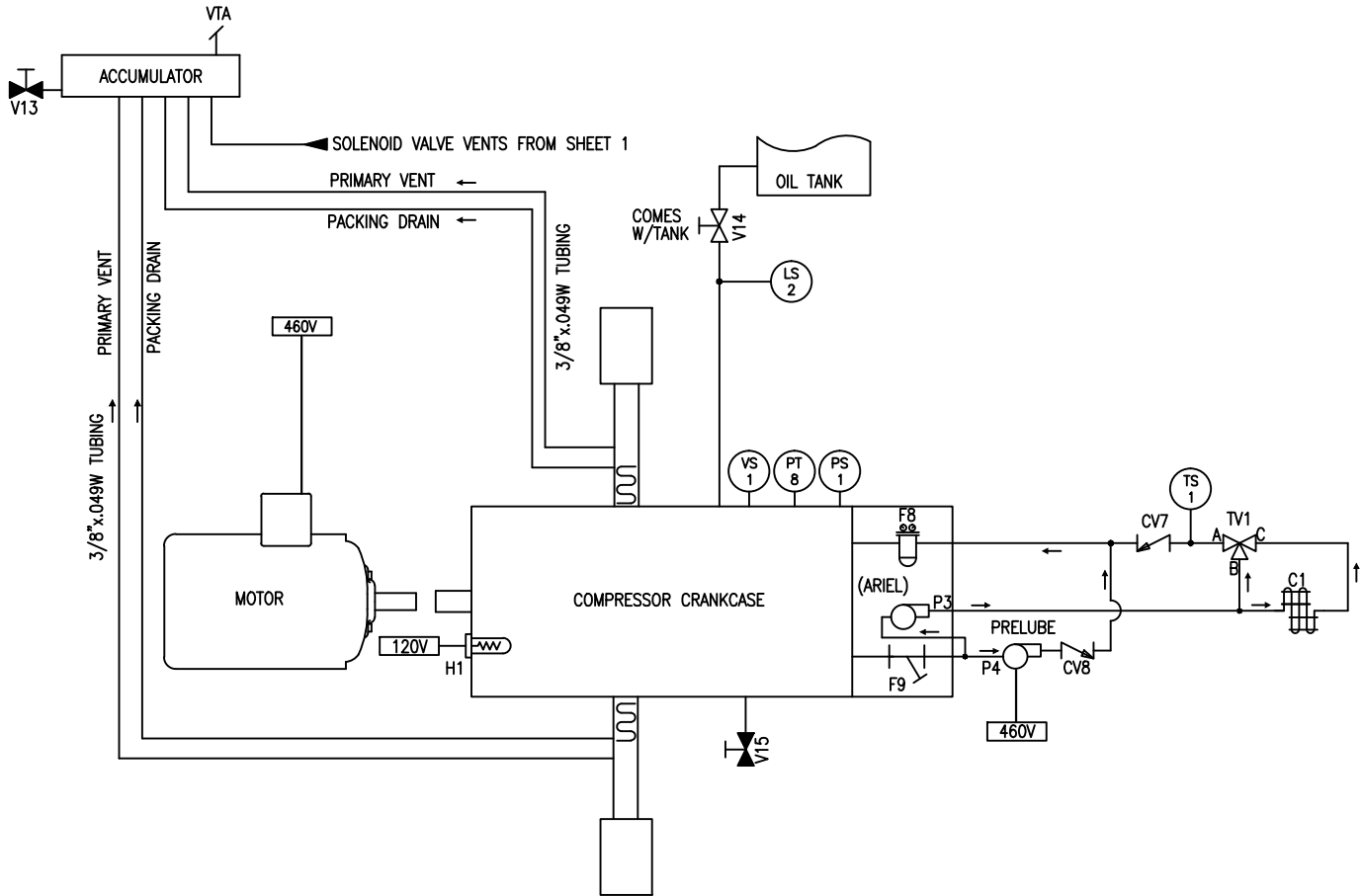
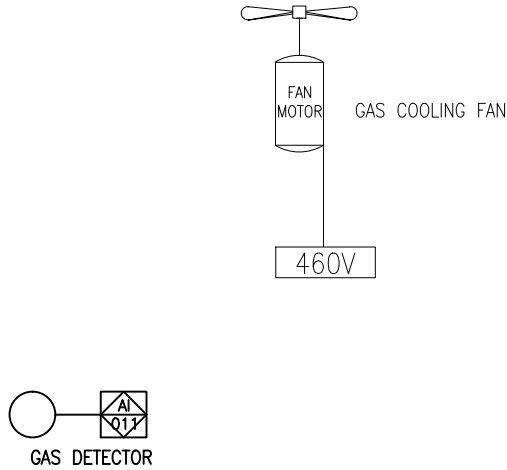
BREAK SHARP EDGES .005-.015
ALL DIMENSIONS IN INCHES
FRACTIONAL ± 1/8
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1°

TITLE 2 THROW, 4 STAGE COMPRESSOR PIPING AND INSTRUMENTATION PIPING SYSTEM					
CUSTOMER ZEIT ENERGY - SWN CONWAY			PROJECT NO. 40436		
DRN JRS	DATE 04/29/13	SCALE NA	DRAWING NO. A05-20-40436		REV. B
CHK ADM	DATE 04/29/13	SHT 1 TOT 2			

AUTOCAD WINDCHILL

LEGEND			
C	= OIL COOLER	PT	= PRESSURE TRANSDUCER
CV	= CHECK VALVE	PV	= PRESSURE VESSEL
F	= FILTER	SV	= SOLENOID VALVE
G	= PRESSURE GAUGE	T	= THERMOMETER
LS	= LEVEL SWITCH	TS	= TEMPERATURE SWITCH
N.C.	= NORMALLY CLOSED	TT	= TEMPERATURE TRANSMITTER
N.O.	= NORMALLY OPEN	TV	= THERMOSTATIC VALVE
OPL	= ORIFICE PLATE	V	= MANUAL/ACTUATED VALVE
P	= OIL PUMP	VS	= VIBRATION SWITCH
PR	= PRESSURE REGULATOR	VTA	= VENT TO ATMOSPHERE
PRV	= PRESSURE RELIEF VALVE		

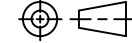
-	940-07237	1	TANK-OIL RESERVOIR 5 GAL 1/2FNPT
V15	334-07264	1	VALVE-BALL 1 600# W/LKG HDL BRONZE (MV74)
V14		1	VALVE-BALL 1/2 BRONZE
V13	334-07284	1	VALVE-BALL 1/2 600# BRONZE LKG HDL (MV167)
VS1	480-07246	1	SWITCH-VIBRATION MURPHY NON-EX (VS2)
TV1	330-07232	1	VALVE-THERMOSTATIC 1 3-WAY 100°F (TV3)
TS1	480-07245	1	SWITCH-TEMP 190°F 1/2 MNPT (TS8)
PT8	410-07276	1	TRANSDUCER-PRESS AST 0-100# IS/UL (PT44)
PS1		1	PROXIMITY SWITCH - WHITLOCK (ARIEL SUPPLIED)
P4		1	PUMP-PRELUBE 1/2 FNPT TUTHILL
P3		1	PUMP-OIL ARIEL SUPPLIED
C1	150-07232	1	COOLER-OIL 8000 BTU/HR 1 FNPT (OC2)
LS2	485-07239	1	SWITCH-OIL MNT LIQUID LEVEL 9.5#MAX (LLS17)
H1	707-07241	1	HEATER-OIL 1NPT 120V 150W (CH5)
F9		1	Y-STRAINER OIL (ARIEL SUPPLIED)
F8		1	FILTER-OIL (ARIEL SUPPLIED)
CV7-CV8	336-07231	2	VALVE-CHECK 1/2 FML BRASS 200# (CV24)
DESIGNATOR	PART NUMBER	TOTAL QTY	DESCRIPTION





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BREAK SHARP EDGES .005--.015
ALL DIMENSIONS IN INCHES

FRACTIONAL	± 1/8
TWO PLACE DECIMAL	±.010
THREE PLACE DECIMAL	±.005
ANGLES	±1°

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TITLE				2 THROW, 4 STAGE COMPRESSOR PIPING AND INSTRUMENTATION LUBRICATION CIRCUIT			
CUSTOMER				ZEIT ENERGY – SWN CONWAY		PROJECT NO. 40436	
DRN	JRS	DATE	04/29/13	SCALE	NA	DRAWING NO.	
CHK	ADM	DATE	04/29/13	SHT	2	TOT	2
						A05-20-40436	
						REV. B	

SENSING DEVICES									
LOCATION OF DEVICE IN SYSTEM			RANGE OF DEVICE	NORMAL OPERATING	SET LOW	SET HIGH	RELIEF VALVE SETTING	START	STOP
AI001	PT2	INLET PRESSURE	0-300 PSI	11-28 PSI	9 PSI	29 PSI	180 PSI		
AI002	PT7	FINAL DISCHARGE PRESSURE	0-6000 PSI	4545 PSI	-100 PSI	4800 PSI	-	3600 PSI	4500 PSI
AI003	PT8	COMP OIL PRESSURE	0-100 PSI	60 PSI	35 PSI	100 PSI	-		
AI004	PT1	RECEIVER TANK PRESSURE	0-1000 PSI	25-329 PSI	-100 PSI	450 PSI	500 PSI		
AI005	PT3	1ST STG DISCHARGE PRESSURE	0-300 PSI	82-143 PSI	-100 PSI	250 PSI	275 PSI		
AI006	PT4	2ND STG DISCHARGE PRESSURE	0-1000 PSI	292-432 PSI	-100 PSI	720 PSI	800 PSI		
AI007	PT5	3RD STG DISCHARGE PRESSURE	0-3000 PSI	1068-1409 PSI	-100 PSI	2160 PSI	2400 PSI		
AI008	PT6	4TH STG DISCHARGE PRESSURE	0-6000 PSI	4545 PSI	-100 PSI	4800 PSI	5200 PSI		
		SPARE	N/A	-	-	-			
		CONTROL AIR PRESSURE	N/A	-	-	-			
AI011		GAS DETECTOR	0-100 %LEL	0 - 5% LEL	-4 %LEL	40 %LEL			
		LOW BANK PRESSURE	N/A	-	-	-			
		MID BANK PRESSURE	N/A	-	-	-			
		HIGH BANK PRESSURE	N/A	-	-	-			
		FINAL RTD TEMP (AFTER COOLER)	N/A	-	-	-			
AI016	TT1	1ST STAGE RTD TEMPERATURE	32-392°F	259-266°F	-30°F	316°F			
AI017	TT2	2ND STAGE RTD TEMPERATURE	32-392°F	296-313°F	-30°F	360°F			
AI018	TT3	3RD STAGE RTD TEMPERATURE	32-392°F	299-314°F	-30°F	360°F			
AI019	TT4	4TH STAGE RTD TEMPERATURE	32-392°F	294-342°F	-30°F	360°F			
		ENCLOSURE TEMPERATURE	N/A	-	-	-			
		4TH CARD OPTION (MIX902)	N/A	-	-	-			
		AMBIENT RTD TEMPERATURE	N/A	-	-	-			
		TIME FILL #1 PRESSURE	N/A	-	-	-			
		TIME FILL #2 PRESSURE	N/A	-	-	-			
		SPARE	N/A	-	-	-			
I009	LS1	RECEIVER LIQUID LEVEL	N/A	-	AT SWITCH	-			
I010	LS2	COMPRESSOR OIL LEVEL	N/A	-	SIGHT GLASS	-			
I011		COMPRESSOR OIL NO FLOW SWITCH	(3 MINUTE TIMER)	-	> 2 MINUTES	-			
I012	TS1	COMPRESSOR OIL TEMPERATURE	N/A	110°F	-	180°F			
I013	VS1	COMPRESSOR VIBRATION SWITCH	N/A	-	-	-			
I014	VS2	COMPRESSOR VIBRATION SWITCH	N/A	-	-	-			
I015		RESERVED (MASTER KEYSWITCH)	N/A	-	-	-			
I016		RESERVED (SCROLL KEYSWITCH)	N/A	-	-	-			

NOTE:
THESE SETTINGS ARE APPROXIMATE, MAY BE CHANGED OUT IN THE FIELD.

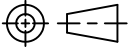
LEGEND			
AI	= ANALOG INPUT	OPL	= ORIFICE PLATE
BV	= BLEED VALVE	PR	= PRESSURE REGULATOR
CV	= CHECK VALVE	PT	= PRESSURE TRANSDUCER
F	= FILTER	PV	= PRESSURE VESSEL
G	= PRESSURE GAUGE	RTD	= RESISTIVE TEMPERATURE DEVICE
I	= DIGITAL INPUT	SRV	= SAFETY RELIEF VALVE
LLG	= LIQUID LEVEL GAUGE	SV	= SOLENOID VALVE
LLS	= LEVEL SWITCH	T	= THERMOMETER
MLV	= NEEDLE VALVE	TS	= TEMPERATURE SWITCH
MV	= MANUAL/ACTUATOR VALVE	TV	= THERMOSTATIC VALVE
N.C	= NORMAL CLOSE	VS	= VIBRATION SWITCH
N.O	= NORMAL OPEN	VTA	= VENT TO ATMOSPHERE
OC	= OIL COOLER		

*					
REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION



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ALL DIMENSIONS IN INCHES

FRACTIONAL ±.125
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1°

TITLE				
ARIEL COMPRESSOR SENSING DEVICES AND SETTINGS				
CUSTOMER		ZEIT ENERGY - SWN CONWAY		PROJECT NO. 40436-01 & -02
SHEET	1/1	SCALE	NA	DRAWING NO. A05-30-40436
DRAWN BY		DATE	7-22-2013	REV. -



DRAWING INDEX	
PAGE	DESCRIPTION
1	INDEX AND GENERAL INFORMATION
2	110VAC POWER DISTRIBUTION
3	24VDC POWER DISTRIBUTION
4	PLC DIGITAL/ANALOG I/O CARD #1
5	PLC DIGITAL/ANALOG I/O CARD #2
6	PLC ANALOG CARD#3
7	PLC DIGITAL/ANALOG I/O CARD #4
8	COMPONENT WIRING DETAILS – PLC POWER & COMMUNICATIONS
9	LIGHTING/GAS DETECTOR BEACON INTERCONNECT

NOTE: ALL ELECTRICAL CONNECTION MUST BE COMPLETED OR SUPERVISED BY QUALIFIED PERSONNEL, AND MEET ALL LOCAL AND APPLICABLE CODES. REFER TO NEC FOR MORE INFORMATION.

FUSE #	ANGI PART NUMBER	AMPS
FU-1	440-07273	10
FU-2	440-07307	3
FU-3	440-07307	3
FU-4	440-07307	3
FU-5	440-07307	3
FU-6	440-07307	3
FU-7	440-07307	3
FU-8	440-07307	3
FU-9	440-07273	10
FU-10	440-07254	5
FU-11	440-07307	3
FU-12	440-07307	3
FU-13	440-07307	3
FU-14	440-07307	3
FU-15	440-07307	3
FU-16	440-07307	3

UL FILE AND PANEL TYPE		
X	NNNY.E328888	INDUSTRIAL CONTROL PANELS AND ASSEMBLIES FOR USE IN HAZARDOUS LOCATIONS
	NRBX.E334511	INDUSTRIAL CONTROL PANELS RELATING TO HAZARDOUS LOCATIONS
	NITW.E319535	INDUSTRIAL CONTROL PANELS
		THIRD PARTY CERTIFICATION REQUIRED
	NON CERTIFIED	NO CERTIFICATION REQUIRED / AVAILABLE

793-08003

JOB NUMBER 40436-02

SCHEMATIC A80-10-40436-02

PRIMARY SUPPLY AMPS 10

VOLTS 120VAC PHASE 1 HZ 60

SECONDARY SUPPLY AMPS 10

VOLTS 24VDC PHASE 1 HZ

MOTOR HP N/A FLA N/A

ENCL. TYPE 4

SHORT CIRCUIT CURRENT RATING 5KAIC

HAZARDOUS LOCATION RATING

CLASS I DIV 2 GROUP A,B,C,D

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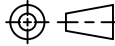
COMPRESSOR#2
CONTROL PANEL

REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION



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BREAK SHARP EDGES .005-.015
ALL DIMENSIONS IN INCHES

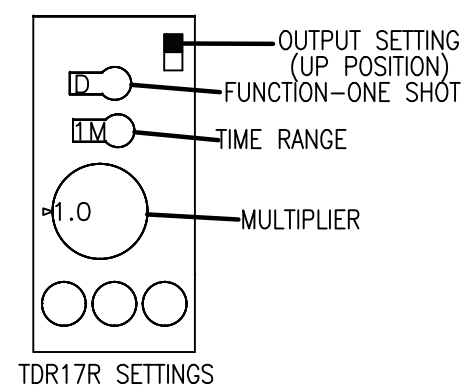
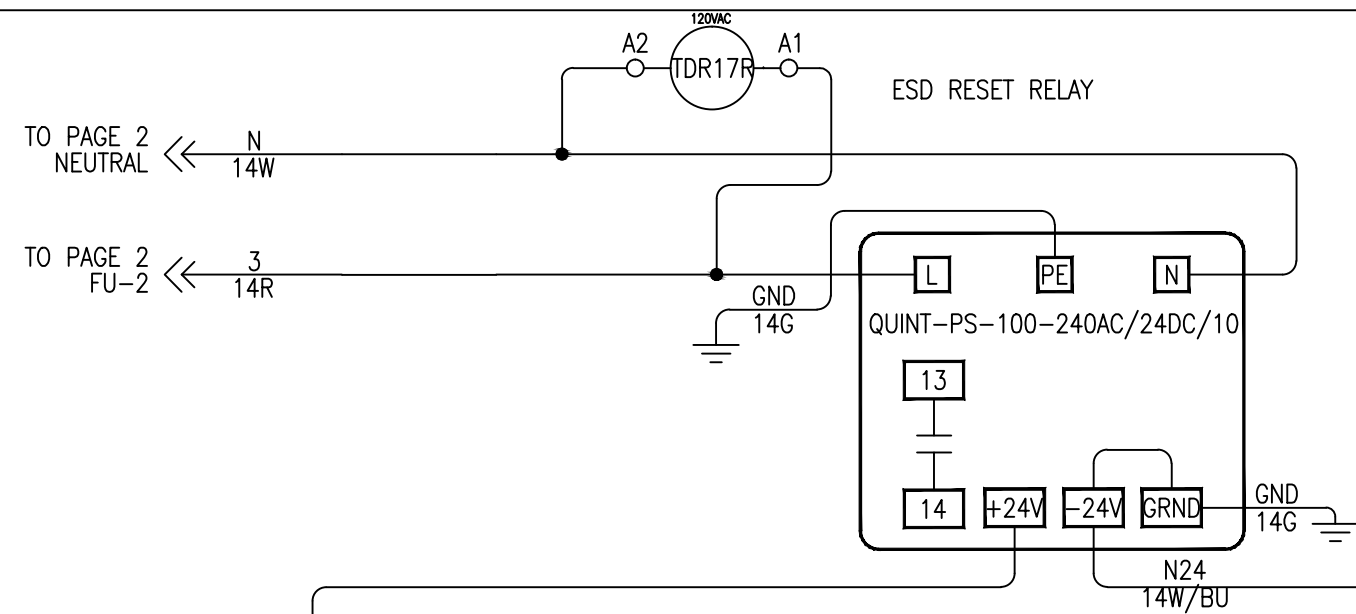
FRACTIONAL	± 1
TWO PLACE DECIMAL	± 0.1
THREE PLACE DECIMAL	± 0.01
ANGLES	$\pm 1^\circ$

TITLE NG-300-E-S-4-P RX-371 COMPRESSOR CONTROL TITLE - LINE 2									
CUSTOMER ZEIT ENGINEERING					PROJECT NO. 40436-02				
DRN JMD	DATE 05/29/13	SCALE 1:1		DRAWING NO. A80-10-40436-02					REV. -
CHK YYY	DATE MM/DD/YY	SHT 1	TOT 9						

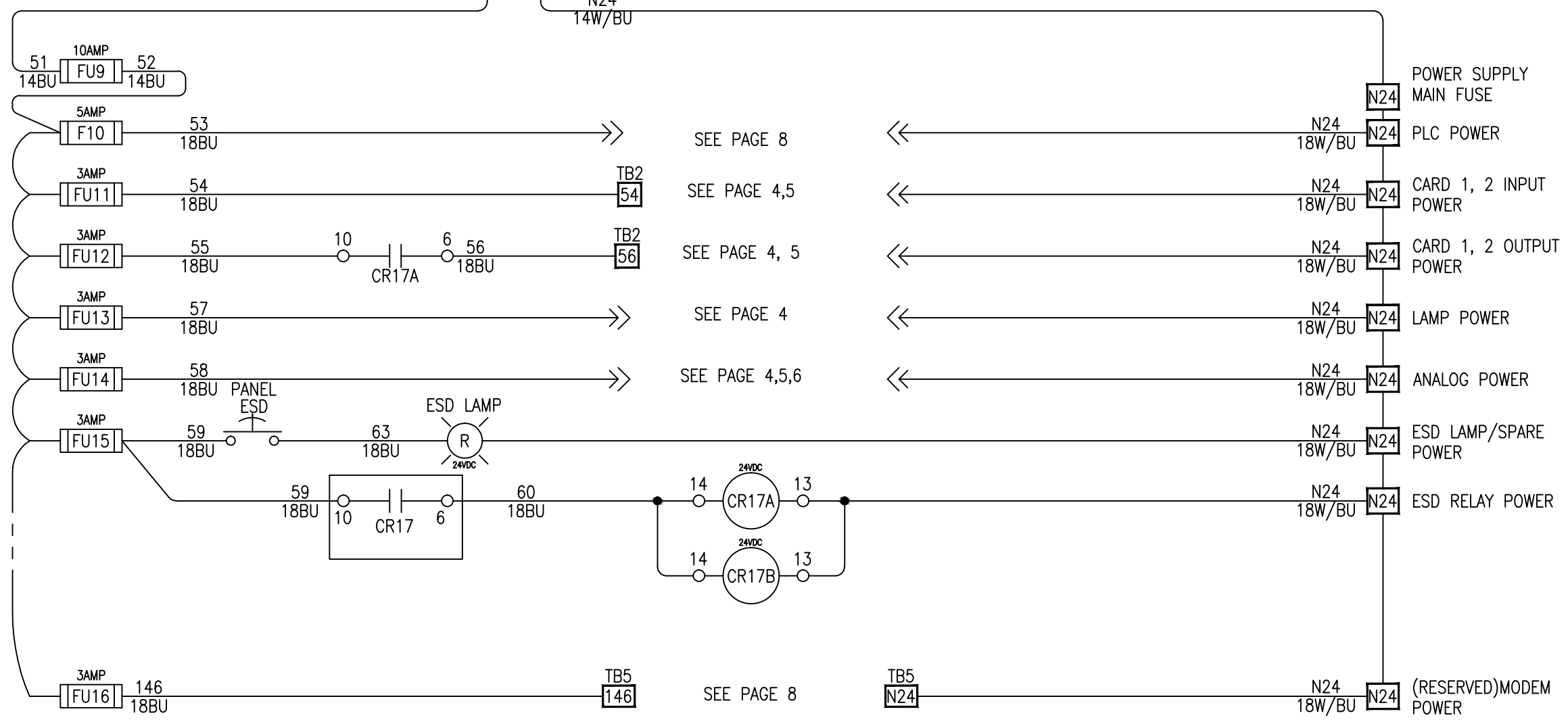
CONTROLLED DRAWING

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AUTOCAD WINDCHILL



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JANESVILLE, WI 53546
PH: 608-563-2800
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BREAK SHARP EDGES .005-.015
ALL DIMENSIONS IN INCHES

FRACTIONAL ± 1/8
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1°

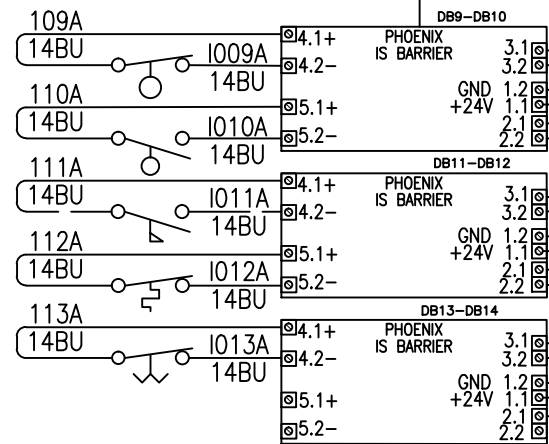
TITLE NG-300-E-S-4-P RX-371 COMPRESSOR CONTROL
TITLE - LINE 2

CUSTOMER ZEIT ENGINEERING PROJECT NO. 40436-02

DRN JMD DATE 05/29/13 SCALE 1:1 DRAWING NO. A80-10-40436-02 REV. -

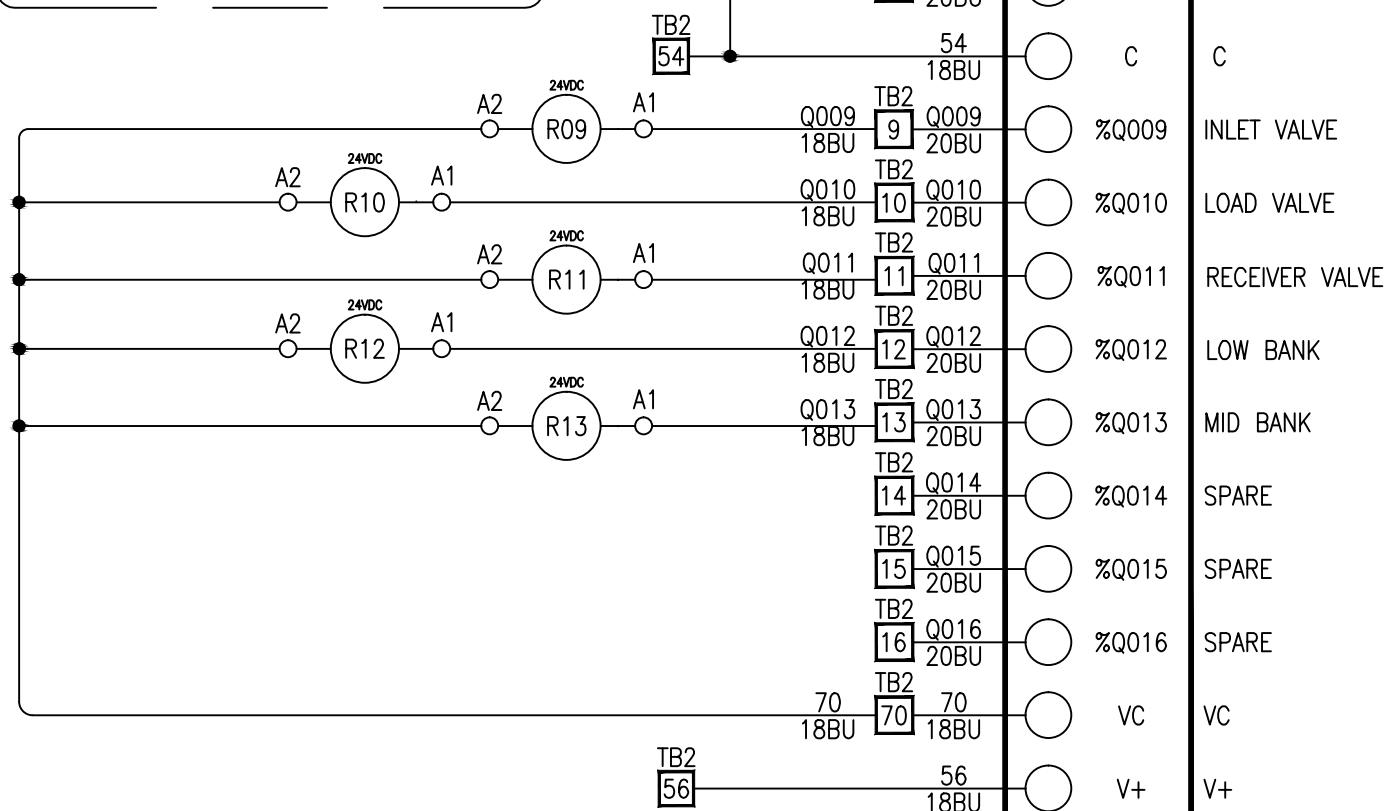
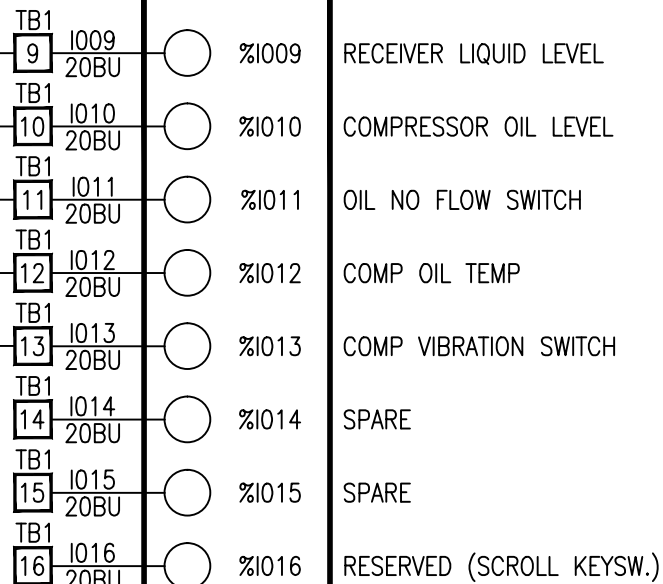
CHK YYY DATE MM/DD/YY SHT 3 TOT 9

CAUTION: HAZARDOUS AREA
"INSTALL IN ACCORDANCE WITH ARTICAL
504 OF THE NATIONAL ELECTRIC CODE"
MAXIMUM END TO END RESISTANCE
MUST NOT EXCEED 327Ω

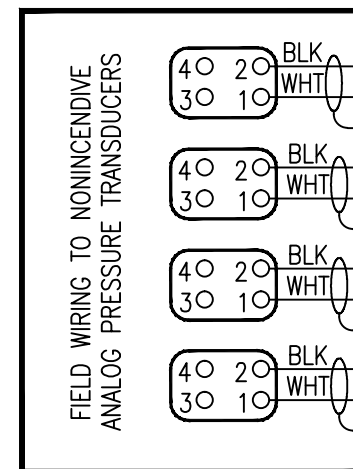


N24 TO N24
18W/BU SEE SHEET 3

HE-800MIX902
CARD #2

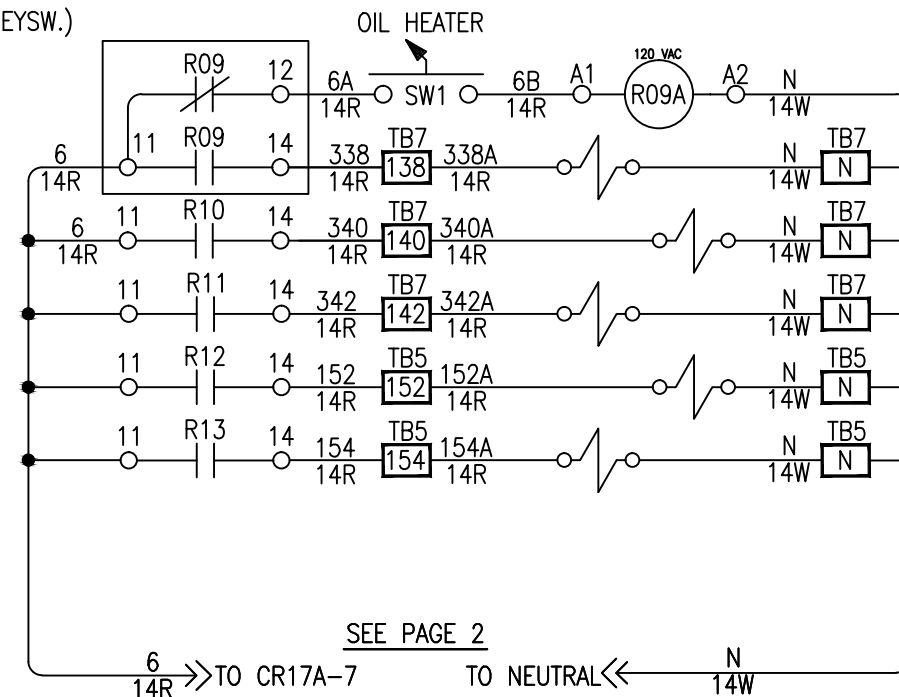
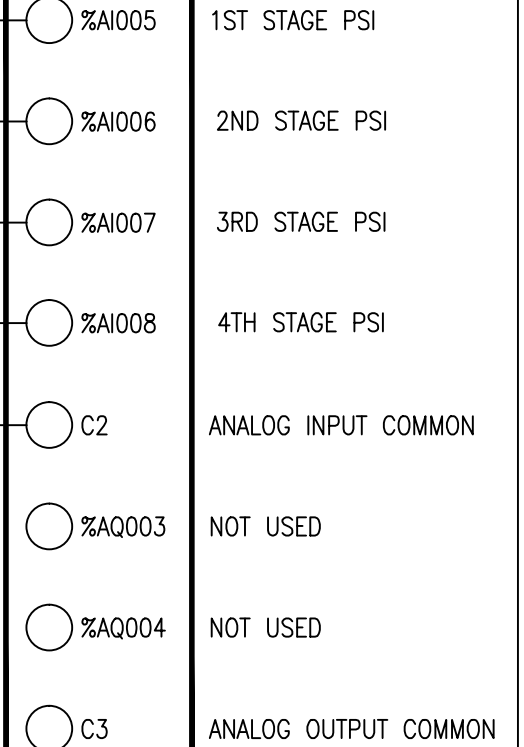


TO FU14 SEE PAGE 3
58 18BU
INT/DIN/GRD



TO N24/PAGE 3

HE-800MIX902
CARD #2



SEE PAGE 2

CONTROLLED DRAWING

THIS DRAWING COMPLIES WITH AGENCY
LISTINGS. DO NOT CHANGE WITHOUT APPROVAL
FROM ENGINEERING DEPARTMENT.

REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION



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UNLESS OTHERWISE SPECIFIED
BREAK SHARP EDGES .005-.015
ALL DIMENSIONS IN INCHES
FRACTIONAL ± 1/8
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1°

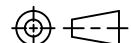
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CUSTOMER ZEIT ENGINEERING					PROJECT NO. 40436-02				
DRN JMD	DATE 05/29/13	SCALE 1:1	DRAWING NO.			REV.			
CHK YYY	DATE MM/DD/YY	SHT 5	TOT 9	A80-10-40436-02			-		

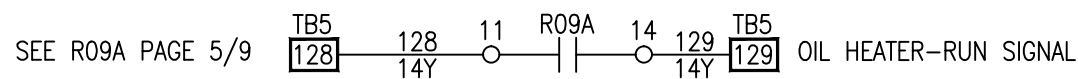
AUTOCAD WINDCHILL

RESERVED FOR 4TH CARD

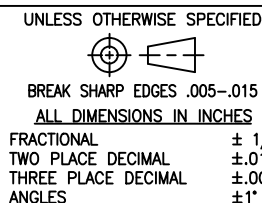
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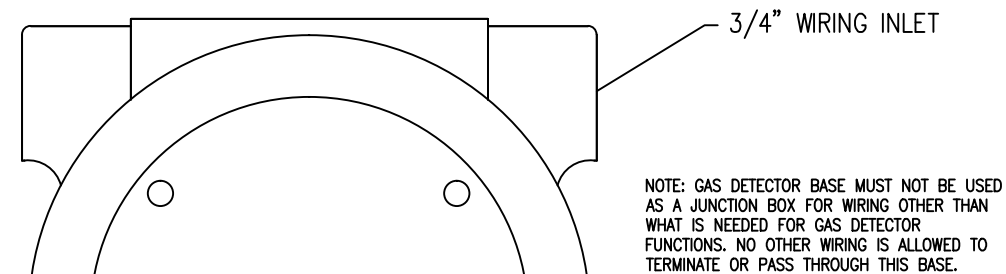
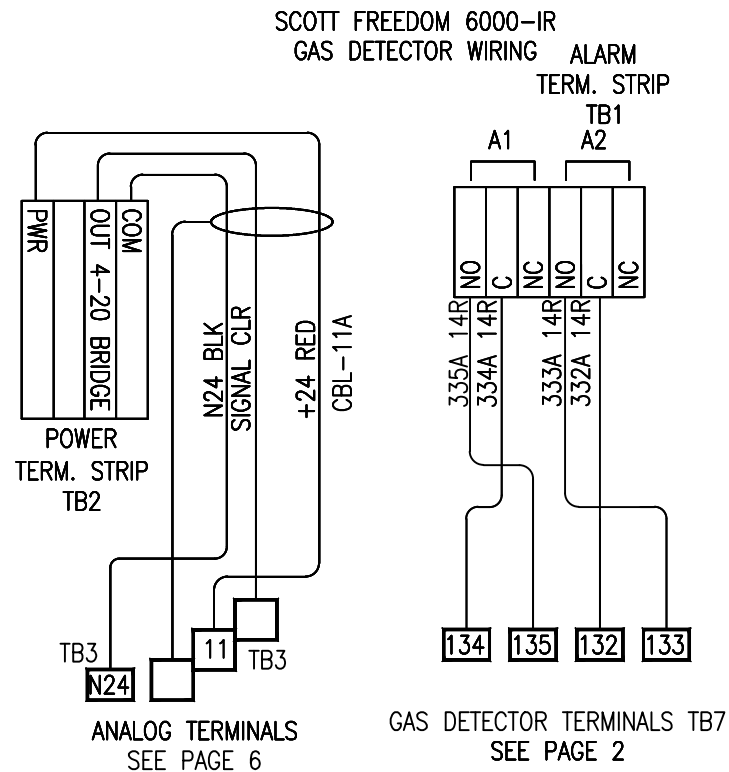
						 ANGI ENERGY SYSTEMS 305 W DELAVAN DR JANESVILLE, WI 53546 PH: 608-563-2800 www.angienergy.com THIS DRAWING AND ALL INFORMATION THEREIN IS THE SOLE PROPERTY OF ANGI ENERGY AND SHOULD NOT BE COPIED, REPRODUCED, OR SUBMITTED TO OTHERS WITHOUT WRITTEN AUTHORIZATION. ALL REPRODUCTIONS ARE SUBJECT TO RETURN ON DEMAND.	UNLESS OTHERWISE SPECIFIED  BREAK SHARP EDGES .005-.015 ALL DIMENSIONS IN INCHES FRACTIONAL ± 1/8 TWO PLACE DECIMAL ±.010 THREE PLACE DECIMAL ±.005 ANGLES ±1°	TITLE NG-300-E-S-4-P RX-371 COMPRESSOR CONTROL TITLE - LINE 2			
							CUSTOMER ZEIT ENGINEERING		PROJECT NO. 40436-02		
							DRN JMD	DATE 05/29/13	SCALE 1:1	DRAWING NO. A80-10-40436-02	REV. -
							CHK YYY	DATE MM/DD/YY	SHT 7	TOT 9	
REV	DATE/BY	DESCRIPTION			REV		DATE/BY	DESCRIPTION			



REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION



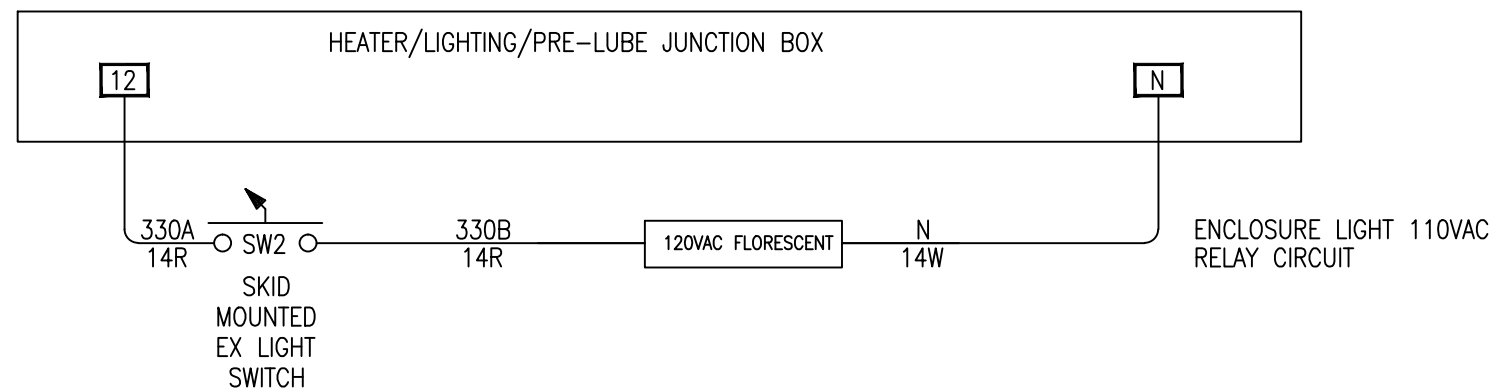
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DRN		JMD		DATE		05/29/13		SCALE		1:1		DRAWING NO.					REV.												
CHK		YYY		DATE		MM/DD/YY		SHT		8												TOT		9					
										A80-10-40436-02										-									



GAS DETECTOR CIRCUIT

SCOTT FREEDOM - GAS DETECTOR
SCOTT INSTRUMENTS- MODEL 6000-IR

GAS DETECTOR WIRING DETAILS
(OPTIONAL)



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REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION



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BREAK SHARP EDGES .005-.015

ALL DIMENSIONS IN INCHES

FRACTIONAL ± 1/8
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1°

TITLE NG-300-E-S-4-P RX-371 COMPRESSOR CONTROL TITLE - LINE 2					
CUSTOMER ZEIT ENGINEERING				PROJECT NO. 40436-02	
DRN JMD	DATE 05/29/13	SCALE 1:1	DRAWING NO. A80-10-40436-02		REV. -
CHK YYY	DATE MM/DD/YY	SHT 9	TOT 9		

ANGI

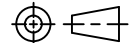
ENERGY SYSTEMS

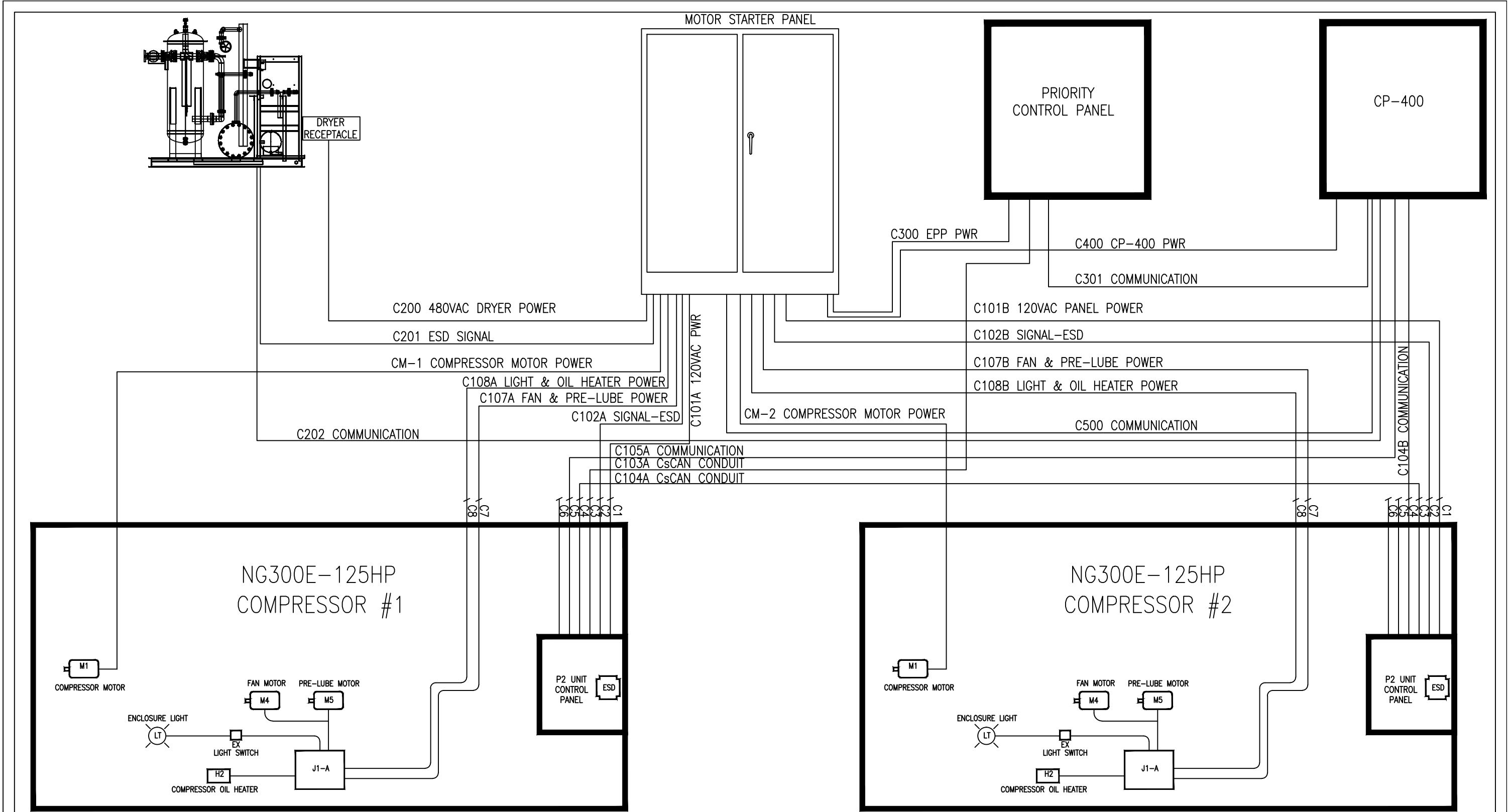
JANESVILLE, WI - USA

DRAWING INDEX	
PAGE	DESCRIPTION
1	INDEX AND GENERAL INFORMATION
2	CONDUIT LAYOUT
3	C101A, C102A
4	C103A, C104A, C105A, C107A, C108A, CM1
5	C101B, C102B, C104B
6	C107B, C108B, CM2
7	C200, C201, C202, C300, C301
8	C400, C500
9	COMP 1 INTERCONNECT DIAGRAM
10	COMP 1 INTERCONNECT DIAGRAM
11	COMP 2 INTERCONNECT DIAGRAM
12	COMP 2 INTERCONNECT DIAGRAM
13	ETHERNET WIRING DIAGRAM
14	CsCAN WIRING DIAGRAM

CONDUIT LAYOUT

NOTE: ALL ELECTRICAL CONNECTION MUST BE COMPLETED OR SUPERVISED BY QUALIFIED PERSONNEL, AND MEET ALL LOCAL AND APPLICABLE CODES. REFER TO NEC FOR MORE INFORMATION.

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									CONDUIT LAYOUT										
							BREAK SHARP EDGES .005-.015		CUSTOMER		ZEIT ENGINEERING		PROJECT NO.		40436				
							ALL DIMENSIONS IN INCHES		DRN	JMD	DATE	5/29/13	SCALE	1:1	DRAWING NO.		REV.		
							FRACTIONAL ± 1/8 TWO PLACE DECIMAL ±.010 THREE PLACE DECIMAL ±.005 ANGLES ±1°		CHK	YYY	DATE	MM/DD/YY	SHT	1	TOT	14	A80-50-40436	—	
REV	DATE/BY	DESCRIPTION				REV	DATE/BY	DESCRIPTION											

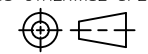


REV	DATE/BY	DESCRIPTION		REV	DATE/BY



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BREAK SHARP EDGES .005-.015
ALL DIMENSIONS IN INCHES

FRACTIONAL	± 1/8
TWO PLACE DECIMAL	± .010
THREE PLACE DECIMAL	± .005
ANGLES	± 1°

TITLE				CONDUIT LAYOUT	
				TITLE - LINE 2	
CUSTOMER		ZEIT ENGINEERING		PROJECT NO. 40436	
DRN JMD	DATE 5/29/13	SCALE 1:1	DRAWING NO.		REV.
CHK YYY	DATE MM/DD/YY	SHT 2	TOT 14	A80-50-40436	-

AUTOCAD WINDCHILL

CONDUIT #		C101A	CONDUIT DIAM.		1"	DESC.	COMPRESSOR PANEL POWER
WIRE #	AWG	COLOR	START		END		NOTES:
101-1	#12	RED	MSP	H1	CCP#1	TB5 - 101	CCP #1 120VAC POWER
102-1	#12	WHT	MSP	N1	CCP#1	TB5 - 102	CCP #1 120VAC COMMON
GND	#12	GRN	MSP	GND	CCP#1	GND	GROUND LUG CONNECTIONS

CONDUIT #		C102A	CONDUIT DIAM.		1"	DESC.	SIGNAL - ESD
WIRE #	AWG	COLOR	START		END		NOTES:
223	#14	BLU	CCP#1	TB5 - 223	MSP	223A	PRELUBE MOTOR RUNNING
224	#14	BLU/WHT	CCP#1	TB5 - 224	MSP	224A	PRELUBE MOTOR RUNNING
225	#14	BLU	CCP#1	TB5 - 225	MSP	225A	FAN MOTOR RUNNING
226	#14	BLU/WHT	CCP#1	TB5 - 226	MSP	226A	FAN MOTOR RUNNING
201	#14	BLU	CCP#1	TB5 - 201	MSP	201A	COMPRESSOR RUNNING
202	#14	BLU/WHT	CCP#1	TB5 - 202	MSP	202A	COMPRESSOR RUNNING
167	#14	RED	CCP#1	TB5 - 167	MSP	167A	PRELUBE MOTOR RUN DRY CONTACT
168	#14	RED	CCP#1	TB5 - 168	MSP	168A	PRELUBE MOTOR RUN DRY CONTACT
159	#14	RED	CCP#1	TB5 - 159	MSP	159A	FAN MOTOR RUN DRY CONTACT
160	#14	RED	CCP#1	TB5 - 160	MSP	160A	FAN MOTOR RUN DRY CONTACT
161	#14	RED	CCP#1	TB5 - 161	MSP	161A	COMPRESSOR MOTOR RUN DRY CONTACT
162	#14	RED	CCP#1	TB5 - 162	MSP	162A	COMPRESSOR MOTOR RUN DRY CONTACT
128	#14	RED	CCP#1	TB5 - 128	MSP	128A	OIL HEATER RUN DRY CONTACT
129	#14	RED	CCP#1	TB5 - 129	MSP	129A	OIL HEATER RUN DRY CONTACT
103A	#14	-	CCP#1	TB5 - 103	MSP	TB5 - 103	ESD POWER OUT
111A	#14	-	CCP#1	TB5 - 111	MSP	TB5 - 104	ESD OUT
103A	#14	-	CCP#1	TB5 - 127	MSP	TB5 - 127	ESD RESET INPUT
124A	#14	-	CCP#1	TB5 - 124	MSP	TB5 - 124	ESD RELAY POWER OUTPUT
125A	#14	-	CCP#1	TB5 - 125	MSP	TB5 - 125	NEUTRAL ESD OUTPUT

NOTE: ALL ELECTRICAL CONNECTION MUST BE COMPLETED OR SUPERVISED BY QUALIFIED PERSONNEL, AND MEET ALL LOCAL AND APPLICABLE CODES. REFER TO NEC FOR MORE INFORMATION.

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									CONDUIT LAYOUT														
							BREAK SHARP EDGES .005-.015		TITLE - LINE 2														
							ALL DIMENSIONS IN INCHES		CUSTOMER			ZEIT ENGINEERING			PROJECT NO.			40436					
							FRACTIONAL ± 1/8		DRN	JMD	DATE	5/29/13	SCALE		1:1		DRAWING NO.			REV.			
						TWO PLACE DECIMAL ±.010		CHK	YYY	DATE	MM/DD/YY	SHT	3	TOT	14	A80-50-40436			-				
						THREE PLACE DECIMAL ±.005																	
						ANGLES ±1°																	
REV	DATE/BY	DESCRIPTION				REV	DATE/BY	DESCRIPTION															

NOTE: ALL ELECTRICAL CONNECTION MUST BE COMPLETED OR SUPERVISED BY QUALIFIED PERSONNEL, AND MEET ALL LOCAL AND APPLICABLE CODES. REFER TO NEC FOR MORE INFORMATION.

CONDUIT #		C101B	CONDUIT DIAM.		1"	DESC.	COMPRESSOR PANEL POWER
WIRE #	AWG	COLOR	START		END	NOTES:	
101-1	#12	RED	MSP	H1	CCP#2	TB5 - 101	CCP #1 120VAC POWER
102-1	#12	WHT	MSP	N1	CCP#2	TB5 - 102	CCP #1 120VAC COMMON
GND	#12	GRN	MSP	GND	CCP#2	GND	GROUND LUG CONNECTIONS

CONDUIT #		C102B	CONDUIT DIAM.		1"	DESC.	SIGNAL - ESD
WIRE #	AWG	COLOR	START		END	NOTES:	
223	#14	BLU	CCP#2	TB5 - 223	MSP	223A	PRELUBE MOTOR RUNNING
224	#14	BLU/WHT	CCP#2	TB5 - 224	MSP	224A	PRELUBE MOTOR RUNNING
225	#14	BLU	CCP#2	TB5 - 225	MSP	225A	FAN MOTOR RUNNING
226	#14	BLU/WHT	CCP#2	TB5 - 226	MSP	226A	FAN MOTOR RUNNING
201	#14	BLU	CCP#2	TB5 - 201	MSP	201A	COMPRESSOR RUNNING
202	#14	BLU/WHT	CCP#2	TB5 - 202	MSP	202A	COMPRESSOR RUNNING
167	#14	RED	CCP#2	TB5 - 167	MSP	167A	PRELUBE MOTOR RUN DRY CONTACT
168	#14	RED	CCP#2	TB5 - 168	MSP	168A	PRELUBE MOTOR RUN DRY CONTACT
159	#14	RED	CCP#2	TB5 - 159	MSP	159A	FAN MOTOR RUN DRY CONTACT
160	#14	RED	CCP#2	TB5 - 160	MSP	160A	FAN MOTOR RUN DRY CONTACT
161	#14	RED	CCP#2	TB5 - 161	MSP	161A	COMPRESSOR MOTOR RUN DRY CONTACT
162	#14	RED	CCP#2	TB5 - 162	MSP	162A	COMPRESSOR MOTOR RUN DRY CONTACT
128	#14	RED	CCP#2	TB5 - 128	MSP	128A	OIL HEATER RUN DRY CONTACT
129	#14	RED	CCP#2	TB5 - 129	MSP	129A	OIL HEATER RUN DRY CONTACT
103A	#14	-	CCP#2	TB5 - 103	MSP	TB5 - 103	ESD POWER OUT
111A	#14	-	CCP#2	TB5 - 111	MSP	TB5 - 104	ESD OUT
103A	#14	-	CCP#2	TB5 - 127	MSP	TB5 - 127	ESD RESET INPUT
124A	#14	-	CCP#2	TB5 - 124	MSP	TB5 - 124	ESD RELAY POWER OUTPUT
125A	#14	-	CCP#2	TB5 - 125	MSP	TB5 - 125	NEUTRAL ESD OUTPUT

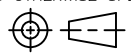
CONDUIT #		C104B	CONDUIT DIAM.		1"	DESC.	CP-400 COMMUNICATION
WIRE #	AWG	COLOR	START		END	NOTES:	
512NET	CBL	-	COMP 2	SWITCH	CP-400	SWITCH	CP-400 COMMUNICATION

REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION



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BREAK SHARP EDGES .005-.015
ALL DIMENSIONS IN INCHES

FRACTIONAL ± 1/8
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1°

TITLE
CONDUIT LAYOUT
TITLE - LINE 2

CUSTOMER ZEIT ENGINEERING			PROJECT NO. 40436		
DRN JMD	DATE 5/29/13	SCALE 1:1	DRAWING NO. A80-50-40436		REV. -
CHK YYY	DATE MM/DD/YY	SHT 5 TOT 14			

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AUTOCAD WINDCHILL

CONDUIT #		C107B	CONDUIT DIAM.		1"			DESC.	FAN & PRELUBE MOTOR POWER
WIRE #	AWG	COLOR	START		END			NOTES:	
2-T1	#12	BLK	MSP	MMS2-A	J1-1		4	L1 FAN MOTOR POWER #1	
2-T2	#12	BLK	MSP	MMS2-A	J1-1		5	L2 FAN MOTOR POWER #1	
2-T3	#12	BLK	MSP	MMS2-A	J1-1		6	L3 FAN MOTOR POWER #1	
3-T1	#12	BLK	MSP	MMS1-A	J1-1		1	L1 PRE LUBE MOTOR POWER #1	
3-T2	#12	BLK	MSP	MMS1-A	J1-1		2	L2 PRE LUBE MOTOR POWER #1	
3-T3	#12	BLK	MSP	MMS1-A	J1-1		3	L3 PRE LUBE MOTOR POWER #1	

CONDUIT #		C108B	CONDUIT DIAM.		1"			DESC.	LIGHT & OIL HEATER POWER
WIRE #	AWG	COLOR	START		END			NOTES:	
12A	#14	RED	MSP	H3	J1-A		12	ENCLOSURE LIGHT 120VAC POWER	
N	#14	WHT	MSP	N3	J1-A		N	120VAC COMMON WIRE	
GND	#14	GRN	MSP	GND	J1-A		GND	GROUND	
10A	#14	RED	MSP	H4	J1-A		10	OIL HEATER 120VAC POWER	
N	#14	WHT	MSP	N4	J1-A		N	OIL HEATER NEUTRAL	

CONDUIT #		CM2	CONDUIT DIAM.		2"			DESC.	COMPRESSOR #1 MOTOR WIRING
WIRE #	AWG	COLOR	START		END			NOTES:	
1T1	2/0	BLK	MSP	3A - T1	COMP. MTR		T1	480VAC PHASE 1	
1T2	2/0	BLK	MSP	3A - T2	COMP. MTR		T2	480VAC PHASE 2	
1T3	2/0	BLK	MSP	3A - T3	COMP. MTR		T3	480VAC PHASE 3	
GND	6	BLK/GRN	MSP	GND	COMP. MTR		GND LUG	MOTOR GROUND	

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									CUSTOMER		ZEIT ENGINEERING		PROJECT NO.		40436				
							BREAK SHARP EDGES .005-.015 ALL DIMENSIONS IN INCHES		DRN	JMD	DATE	5/29/13	SCALE	1:1	DRAWING NO.		REV.		
							FRACTIONAL ± 1/8 TWO PLACE DECIMAL ±.010 THREE PLACE DECIMAL ±.005 ANGLES ±1°		CHK	YYY	DATE	MM/DD/YY	SHT	6	TOT	14	A80-50-40436		-
REV	DATE/BY	DESCRIPTION				REV	DATE/BY	DESCRIPTION				AUTOCAD WINDCHILL							

CONDUIT #		C200	CONDUIT DIAM.		1 1/4"	DESC.		480VAC DRYER POWER
WIRE #	AWG	COLOR	START		END		NOTES:	
7T-1	#8	BLK	MSP	9U - 2	DRYER	L1	480VAC PHASE 1	
7T-2	#8	BLK	MSP	9U - 4	DRYER	L2	480VAC PHASE 2	
7T-3	#8	BLK	MSP	9U - 6	DRYER	L3	480VAC PHASE 3	
GND	#8	GRN	MSP	9U - GND	DRYER	GND BAR	EQUIPMENT GROUND	

CONDUIT #		C201	CONDUIT DIAM.		1"	DESC.		SIGNAL - MSP / DRYER
WIRE #	AWG	COLOR	START		END		NOTES:	
227	#14	YEL	MSP	TBD	DRYER	TB5-227	DRYER FAULT	
228	#14	WHT/YEL	MSP	TBD	DRYER	TB5-228	DRYER FAULT	
TBD	#14	YEL	MSP	TBD	DRYER	TBD	DRYER ESD	
TBD	#14	YEL	MSP	TBD	DRYER	TBD	DRYER ESD	

CONDUIT #		C202	CONDUIT DIAM.		3/4"	DESC.		CP-400 COMMUNICATION
WIRE #	AWG	COLOR	START		END		NOTES:	
518NET	CBL	-	DRYER	SWITCH	CP-400	SWITCH	COMMUNICATION	

CONDUIT #		C300	CONDUIT DIAM.		3/4"	DESC.		120VAC EPP POWER
WIRE #	AWG	COLOR	START		END		NOTES:	
-	12	RED	MSP	9U - 2	EPP	L1	120VAC	
-	12	WHT	MSP	9U - 4	EPP	L2	NEUTRAL	
GND	12	GRN	MSP	9U - GND	EPP	GND BAR	GROUND	

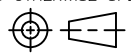
CONDUIT #		C301	CONDUIT DIAM.		3/4"	DESC.		CP-400 COMMUNICATION
WIRE #	AWG	COLOR	START		END		NOTES:	
516NET	CBL	-	EPP	SWITCH	CP-400	SWITCH	COMMUNICATION	

REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION



ANGI ENERGY SYSTEMS
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JANESVILLE, WI 53546
PH: 608-563-2800
www.angienergy.com

UNLESS OTHERWISE SPECIFIED



BREAK SHARP EDGES .005-.015
ALL DIMENSIONS IN INCHES

FRACTIONAL ± 1/8
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1°

TITLE
CONDUIT LAYOUT
TITLE - LINE 2

CUSTOMER
ZEIT ENGINEERING

PROJECT NO.
40436

DRN JMD
DATE 5/29/13
SCALE 1:1
SHT 7
TOT 14

DRAWING NO.
A80-50-40436

REV.
-

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AUTOCAD WINDCHILL

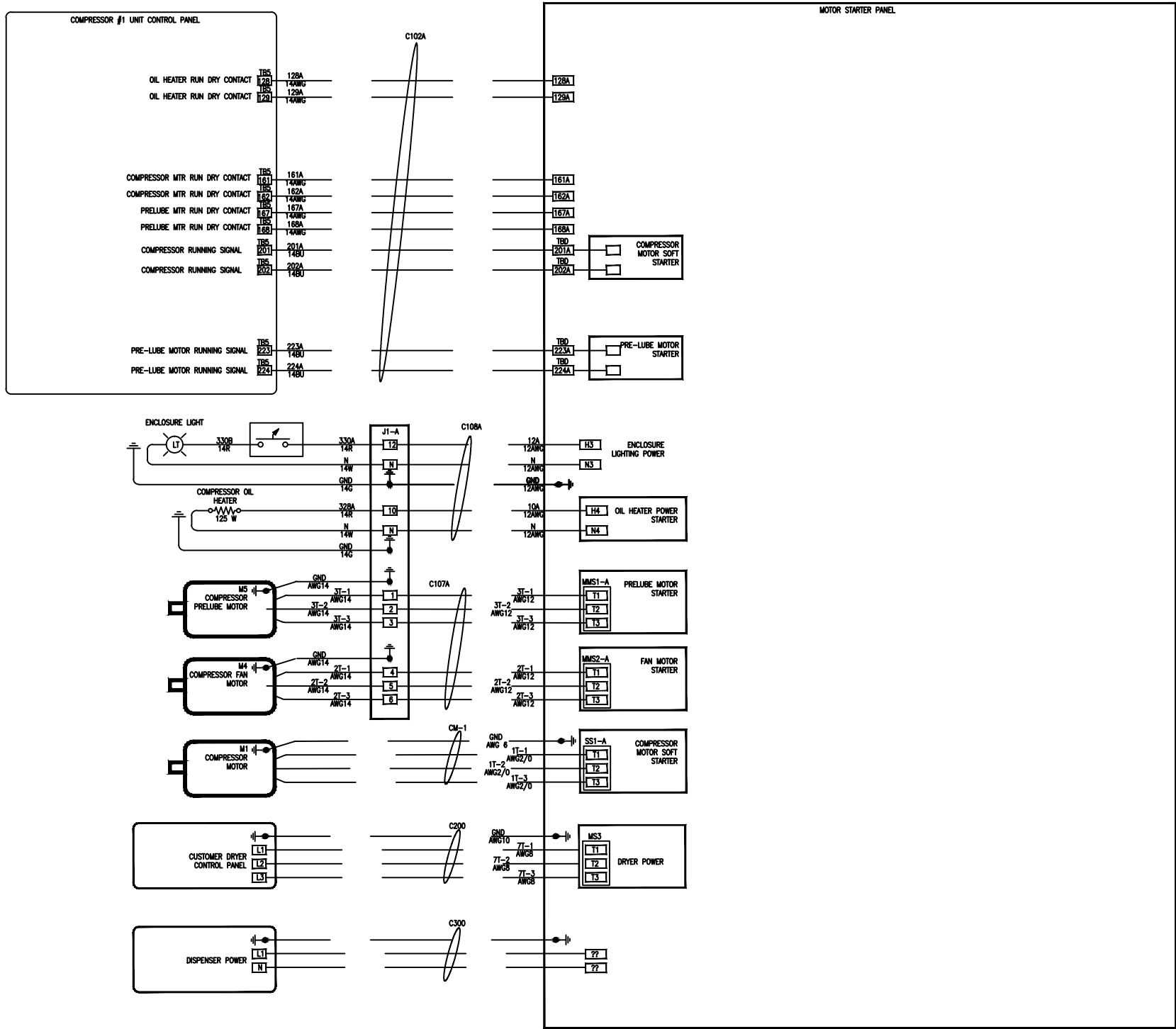
CONDUIT #		C400	CONDUIT DIAM.		3/4"	DESC.		120VAC CP-400 POWER
WIRE #	AWG	COLOR	START		END		NOTES:	
-	12	RED	MSP	9U - 2	CP-400	L1	120VAC	
-	12	WHT	MSP	9U - 4	CP-400	L2	NEUTRAL	
GND	12	GRN	MSP	9U - GND	CP-400	GND BAR	GROUND	

CONDUIT #		C500	CONDUIT DIAM.		3/4"	DESC.		CP-400 COMMUNICATION
WIRE #	AWG	COLOR	START		END		NOTES:	
514NET	CBL	-	MSP	SWITCH	CP-400	SWITCH	COMMUNICATION	

NOTE: ALL ELECTRICAL CONNECTION MUST BE COMPLETED OR SUPERVISED BY QUALIFIED PERSONNEL, AND MEET ALL LOCAL AND APPLICABLE CODES. REFER TO NEC FOR MORE INFORMATION.

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									CUSTOMER					ZEIT ENGINEERING					PROJECT NO.					40436							
							BREAK SHARP EDGES .005-.015		ALL DIMENSIONS IN INCHES		DRN	JMD	DATE	5/29/13	SCALE		1:1		DRAWING NO.					REV.							
							FRACTIONAL ± 1/8		TWO PLACE DECIMAL ±.010		THREE PLACE DECIMAL ±.005		ANGLES ±1°		CHK	YYY	DATE	MM/DD/YY	SHT	8	TOT	14	A80-50-40436					-			
REV	DATE/BY	DESCRIPTION				REV	DATE/BY	DESCRIPTION																							

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REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION



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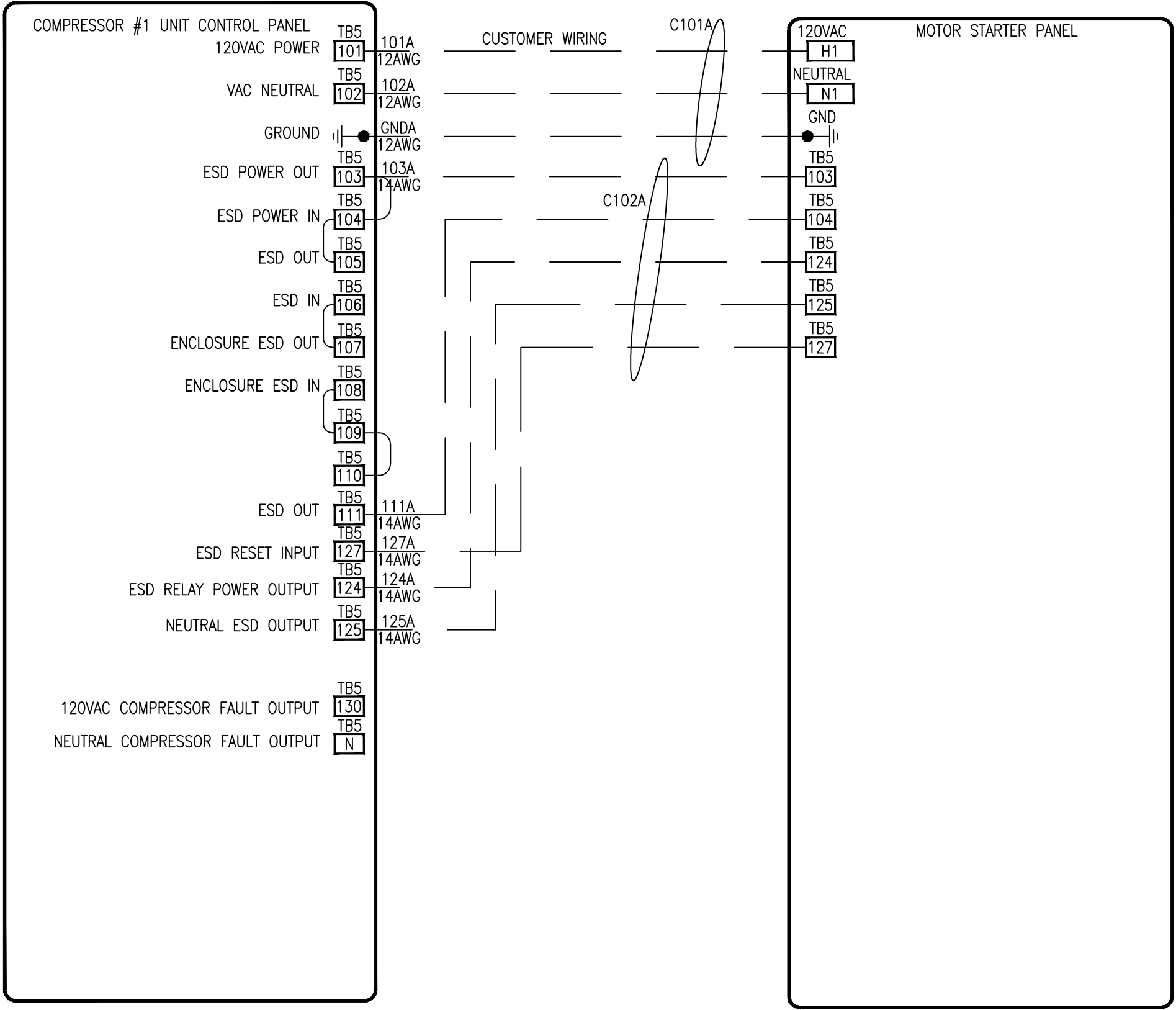
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BREAK SHARP EDGES .005-.015
ALL DIMENSIONS IN INCHES

FRACTIONAL ± 1/8
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1°

TITLE						CONDUIT LAYOUT TITLE - LINE 2			
CUSTOMER			ZEIT ENGINEERING			PROJECT NO. 40436			
DRN	JMD	DATE	5/29/13	SCALE	1:1	DRAWING NO.		REV.	
CHK	YYY	DATE	MM/DD/YY	SHT	9	TOT	14	A80-50-40436	



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REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION

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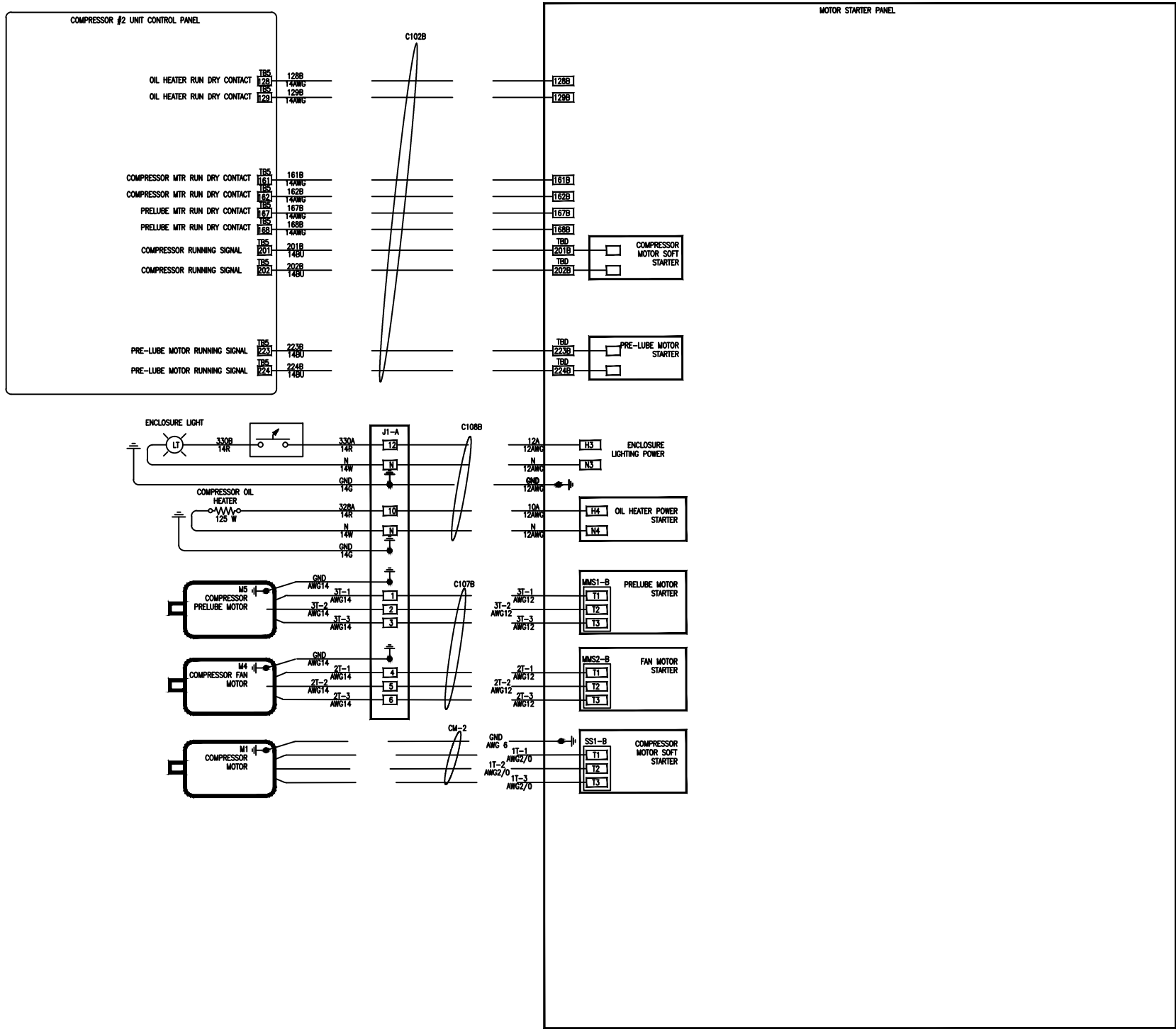
BREAK SHARP EDGES .005-.015
ALL DIMENSIONS IN INCHES

FRACTIONAL ± 1/8
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1°

TITLE
CONDUIT LAYOUT
TITLE - LINE 2

CUSTOMER		ZEIT ENGINEERING		PROJECT NO.		40436	
DRN	JMD	DATE	5/29/13	SCALE	1:1	DRAWING NO.	
CHK	YYY	DATE	MM/DD/YY	SHT	10	TOT	14
A80-50-40436						REV.	
						-	

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REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION



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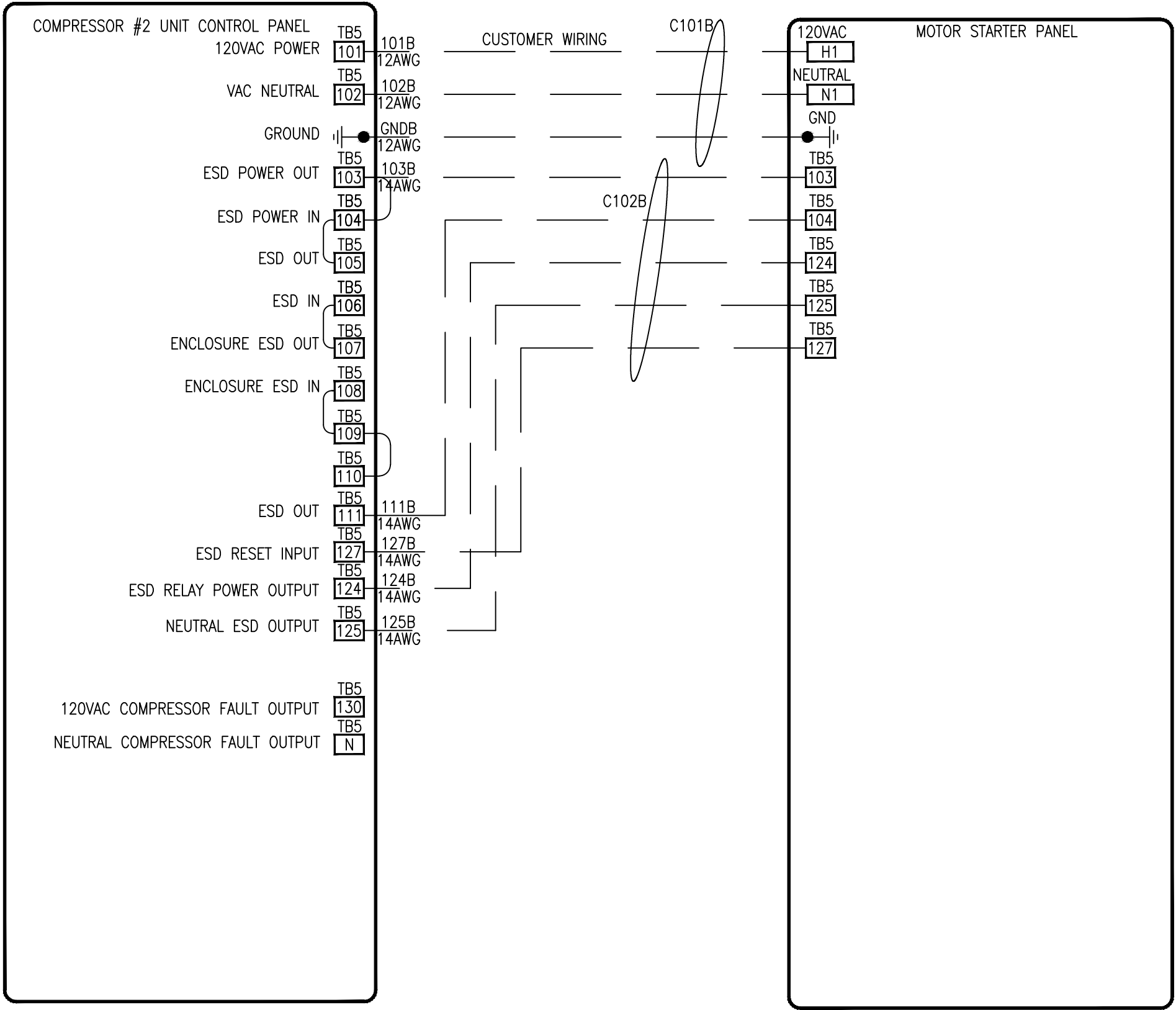
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UNLESS OTHERWISE SPECIFIED

BREAK SHARP EDGES .005-.015
ALL DIMENSIONS IN INCHES

FRACTIONAL ± 1/8
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1°

TITLE		CONDUIT LAYOUT TITLE - LINE 2			
CUSTOMER		ZEIT ENGINEERING		PROJECT NO. 40436	
DRN JMD	DATE 5/29/13	SCALE 1:1	DRAWING NO.		REV.
CHK YYY	DATE MM/DD/YY	SHT 11 TOT 14	A80-50-40436		-



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REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION



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BREAK SHARP EDGES .005-.015

ALL DIMENSIONS IN INCHES

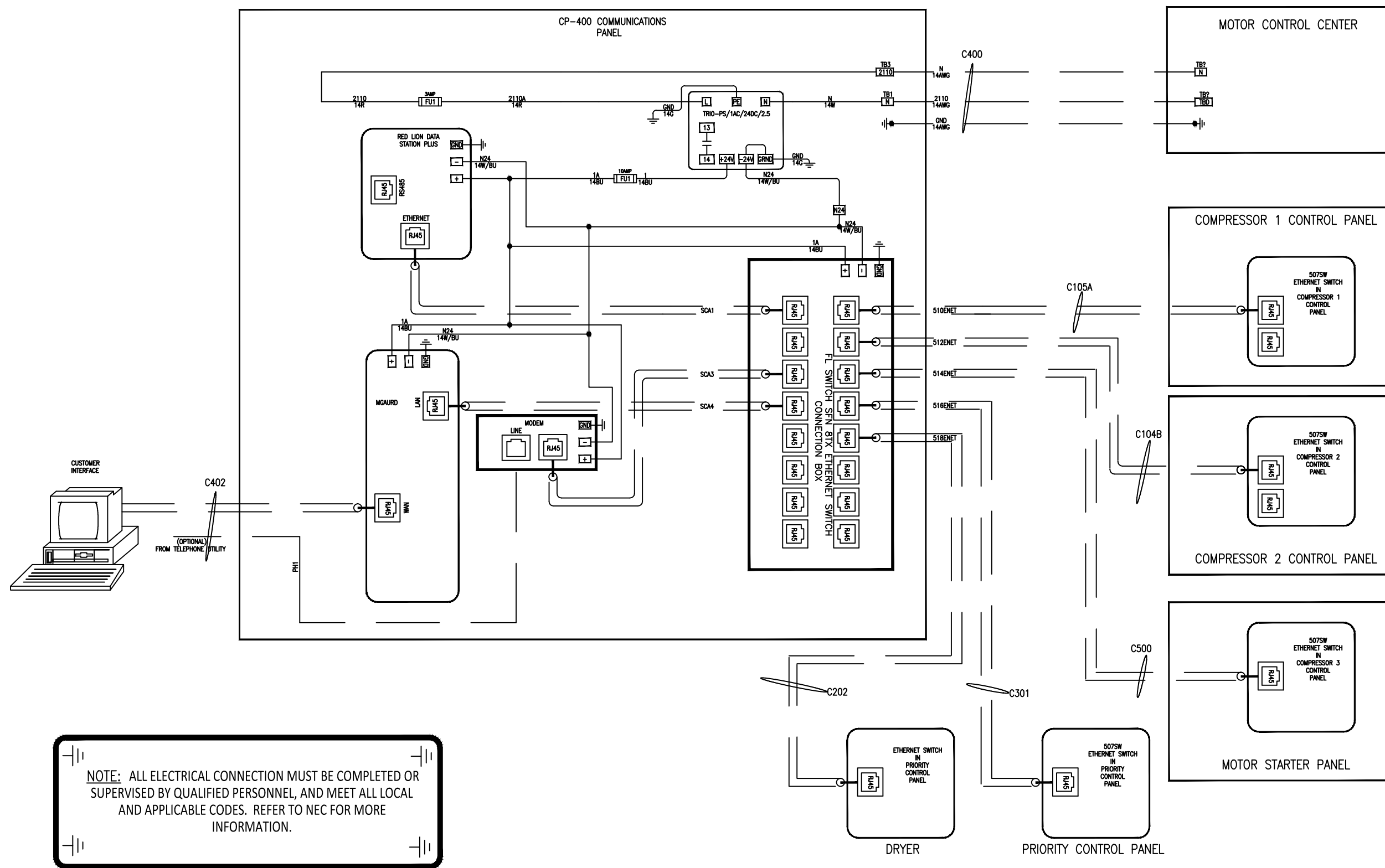
FRACTIONAL ± 1/8

TWO PLACE DECIMAL ±.010

THREE PLACE DECIMAL ±.005

ANGLES ±1°

TITLE					CONDUIT LAYOUT						
					TITLE - LINE 2						
CUSTOMER					ZEIT ENGINEERING			PROJECT NO.		40436	
DRN JMD		DATE 5/29/13		SCALE 1:1		DRAWING NO. A80-50-40436					REV. -
CHK YYY		DATE MM/DD/YY		SHT 12 TOT 14							



REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION

UNLESS OTHERWISE SPECIFIED

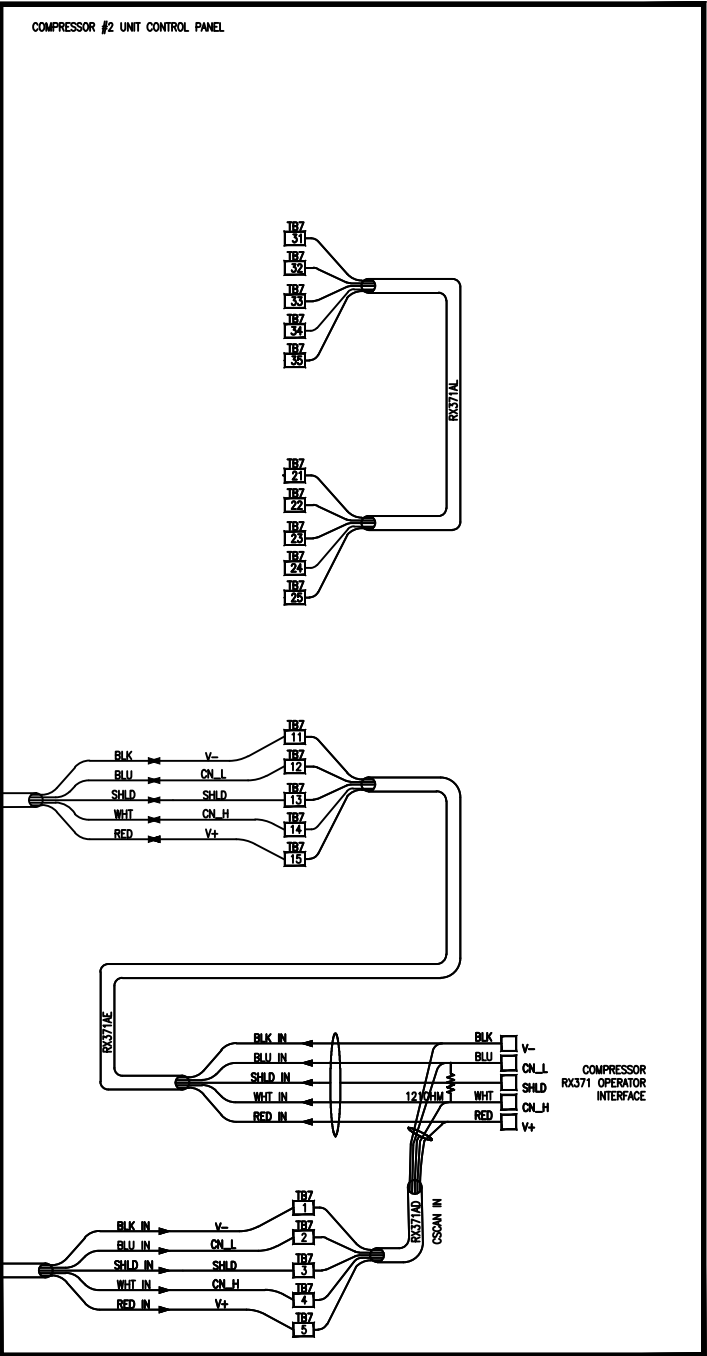
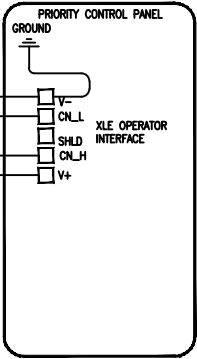
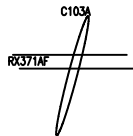
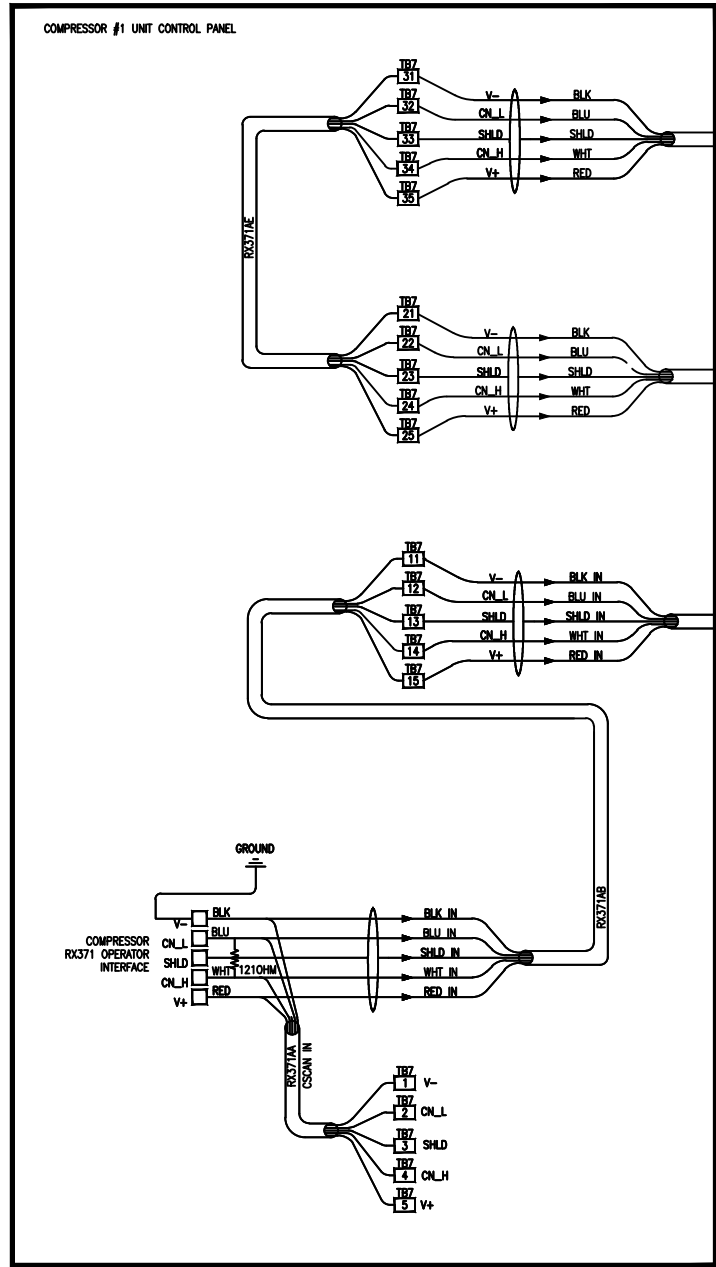


BREAK SHARP EDGES .005-.015

ALL DIMENSIONS IN INCHES

FRACTIONAL	± 1/16"
TWO PLACE DECIMAL	± 0.005"
THREE PLACE DECIMAL	± 0.001"
ANGLES	± 1'

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REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION

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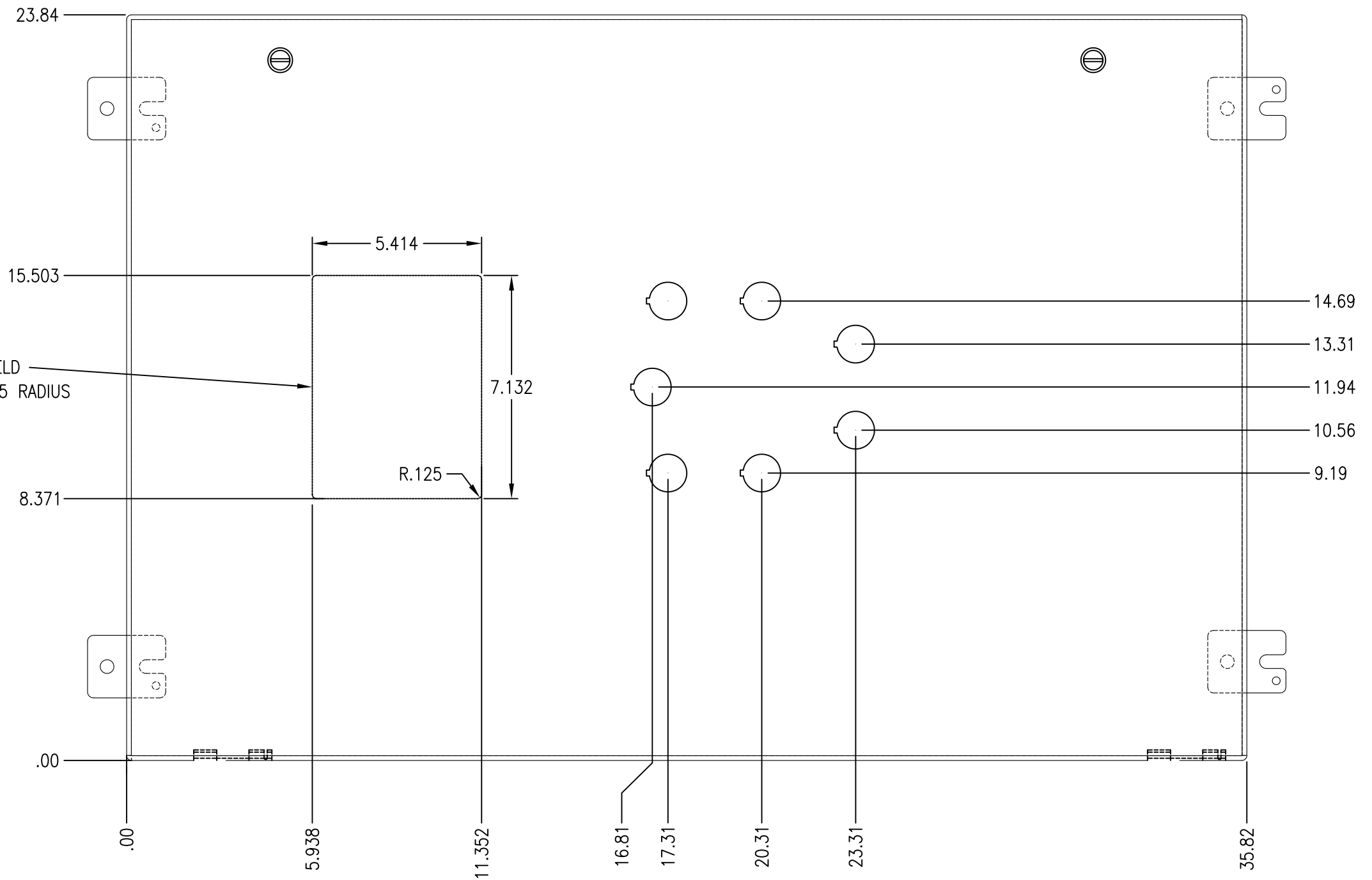
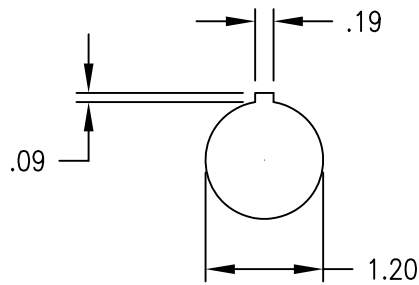
BREAK SHARP EDGES .005-.015
ALL DIMENSIONS IN INCHES

FRACTIONAL ± 1/8
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1°

TITLE									
CONDUIT LAYOUT TITLE - LINE 2									
CUSTOMER					PROJECT NO.				
ZEIT ENGINEERING					40436				
DRN JMD	DATE 5/29/13	SCALE 1:1	DRAWING NO.			REV.			
CHK YYY	DATE MM/DD/YY	SHT 14 TOT 14	A80-50-40436			-			

**NOTE: THE DOOR CUTOUT TOLERANCE IS TO BE HELD WITHIN $\pm .005"$ ON THE 5.414" & 7.132" WITH .125 RADIUS IN CORNERS RECTANGULAR AREA.

TYPICAL KNOCK-OUT FOR SWITCHES AND LAMPS
(SCALE 2:1)



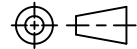
REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION
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MILTON, WI 53563
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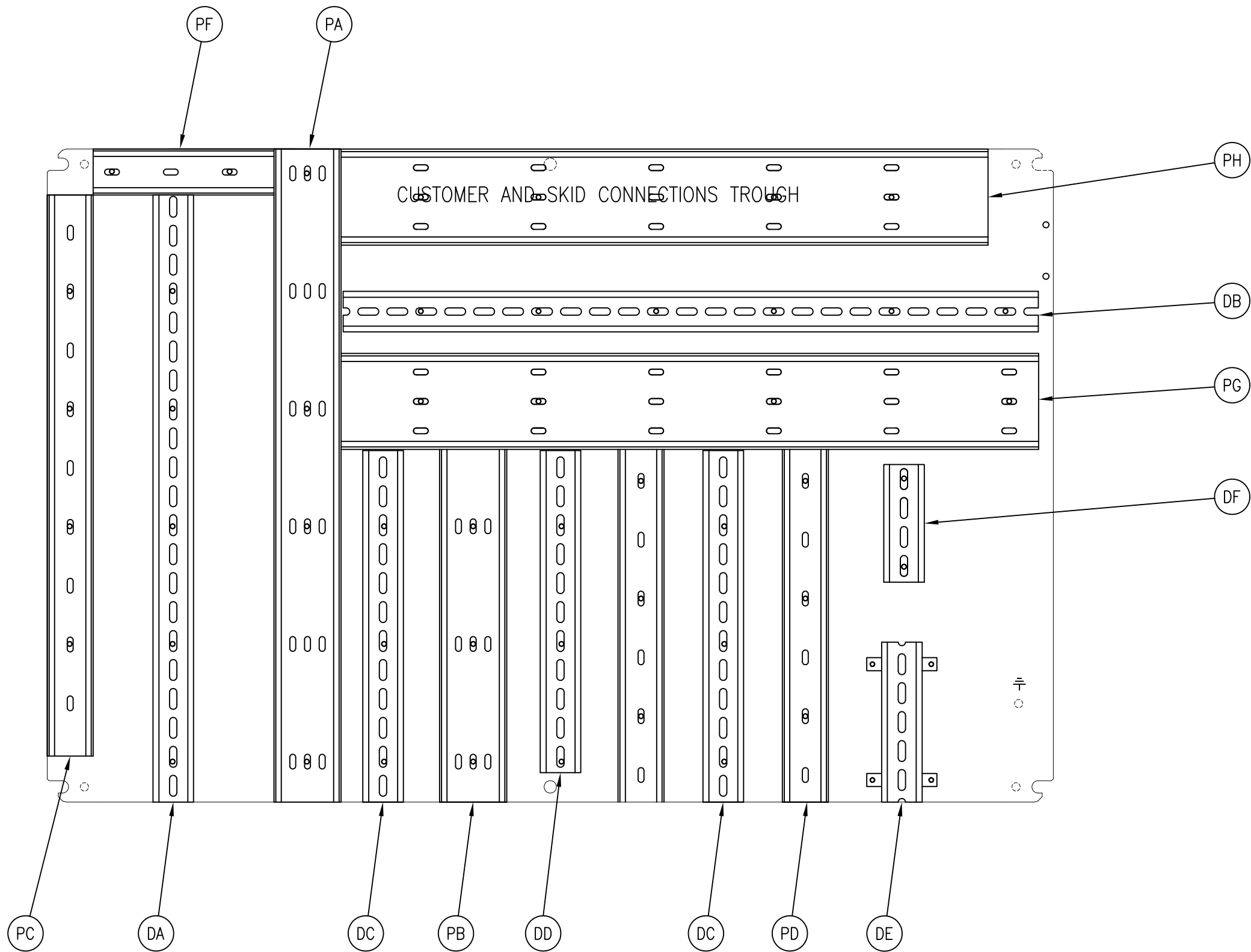
BREAK SHARP EDGES

ALL DIMENSIONS IN INCHES

FRACTIONAL $\pm .125$
TWO PLACE DECIMAL $\pm .010$
THREE PLACE DECIMAL $\pm .005$
ANGLES $\pm 1^\circ$

TITLE		RX 371-ELECTRICAL SCHEMATIC/ELECTRIC DRIVE CONTROL PANEL CLASS 1 DIV 2	
CUSTOMER		PROJECT NO.	
SHEET	3/9	SCALE	1:4
DRAWN BY	NDA	DATE	5/25/11
		DRAWING NO.	E03-10-094
		REV.	B

WINDCHILL



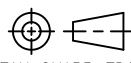
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REV	DATE/BY	DESCRIPTION		REV	DATE/BY



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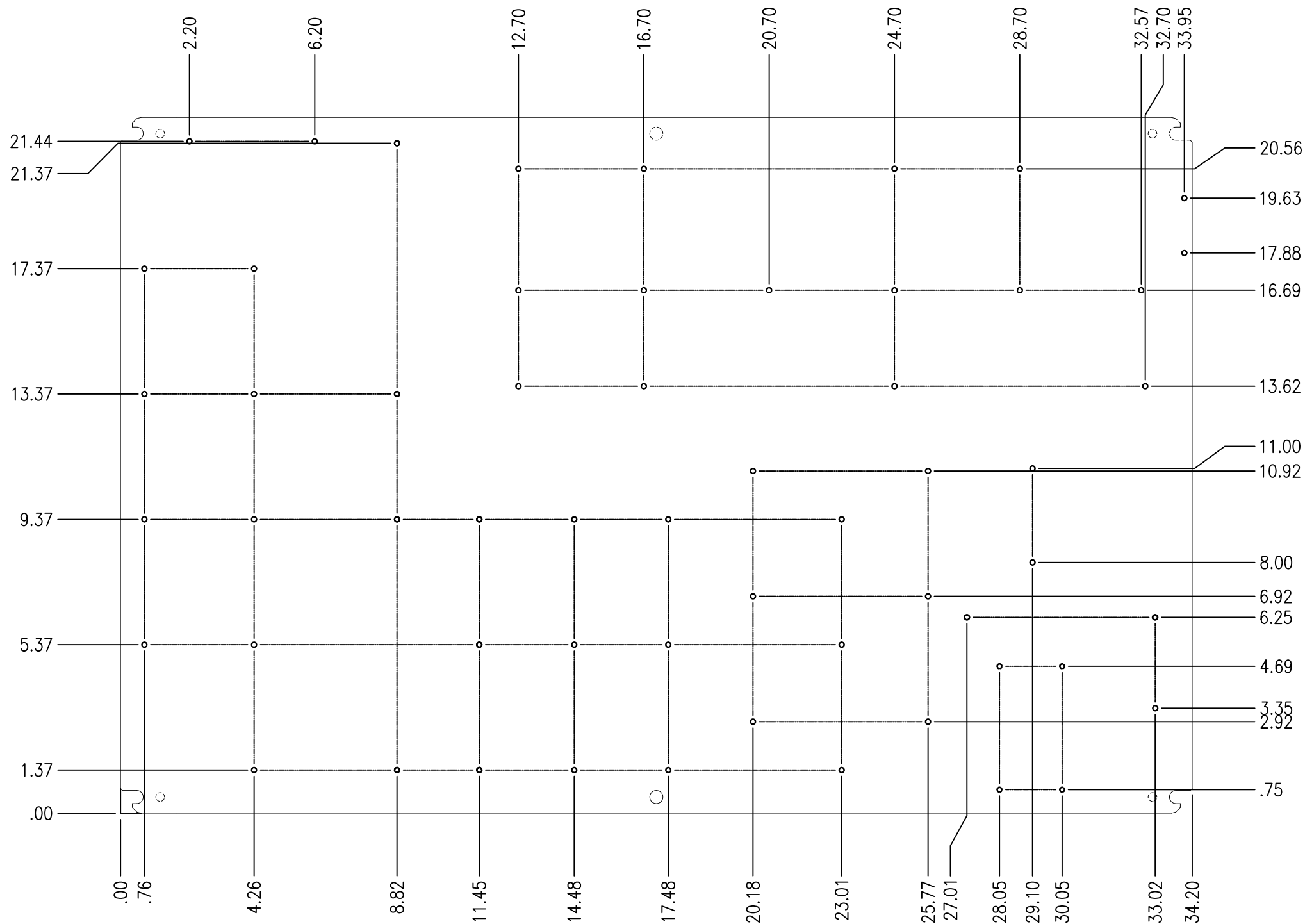
UNLESS OTHERWISE SPECIFIED

 BREAK SHARP EDGES

ALL DIMENSIONS IN INCHES

FRACTIONAL ±.125
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1°

TITLE RX 371-ELECTRICAL SCHEMATIC/ELECTRIC DRIVE CONTROL PANEL CLASS 1 DIV 2					
CUSTOMER -			PROJECT NO. -		
SHEET	5/9	SCALE	1:4	DRAWING NO.	REV.
DRAWN BY	NDA	DATE	5/25/11	E03-10-094	B



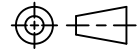
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REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION



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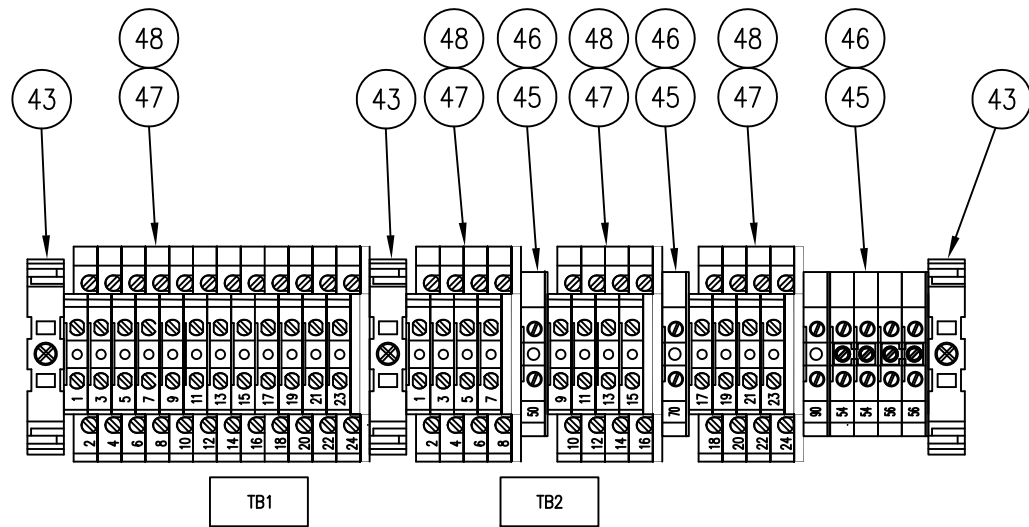
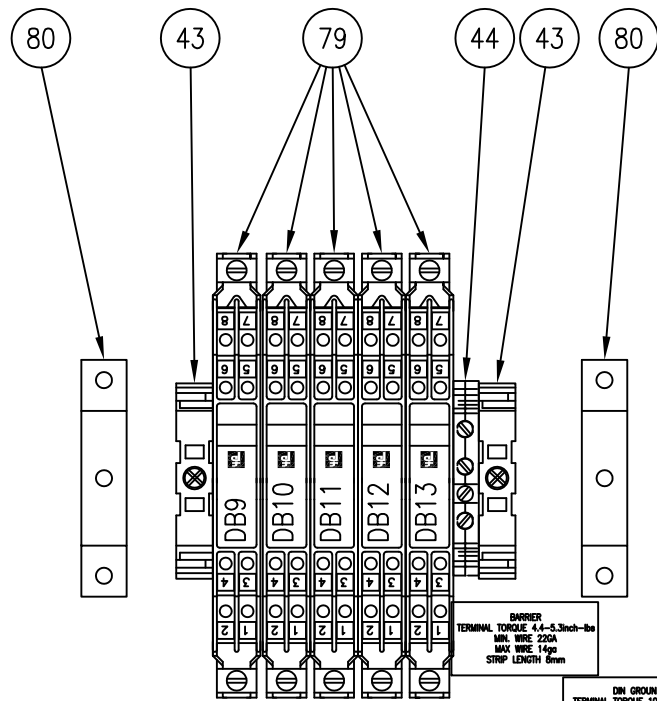
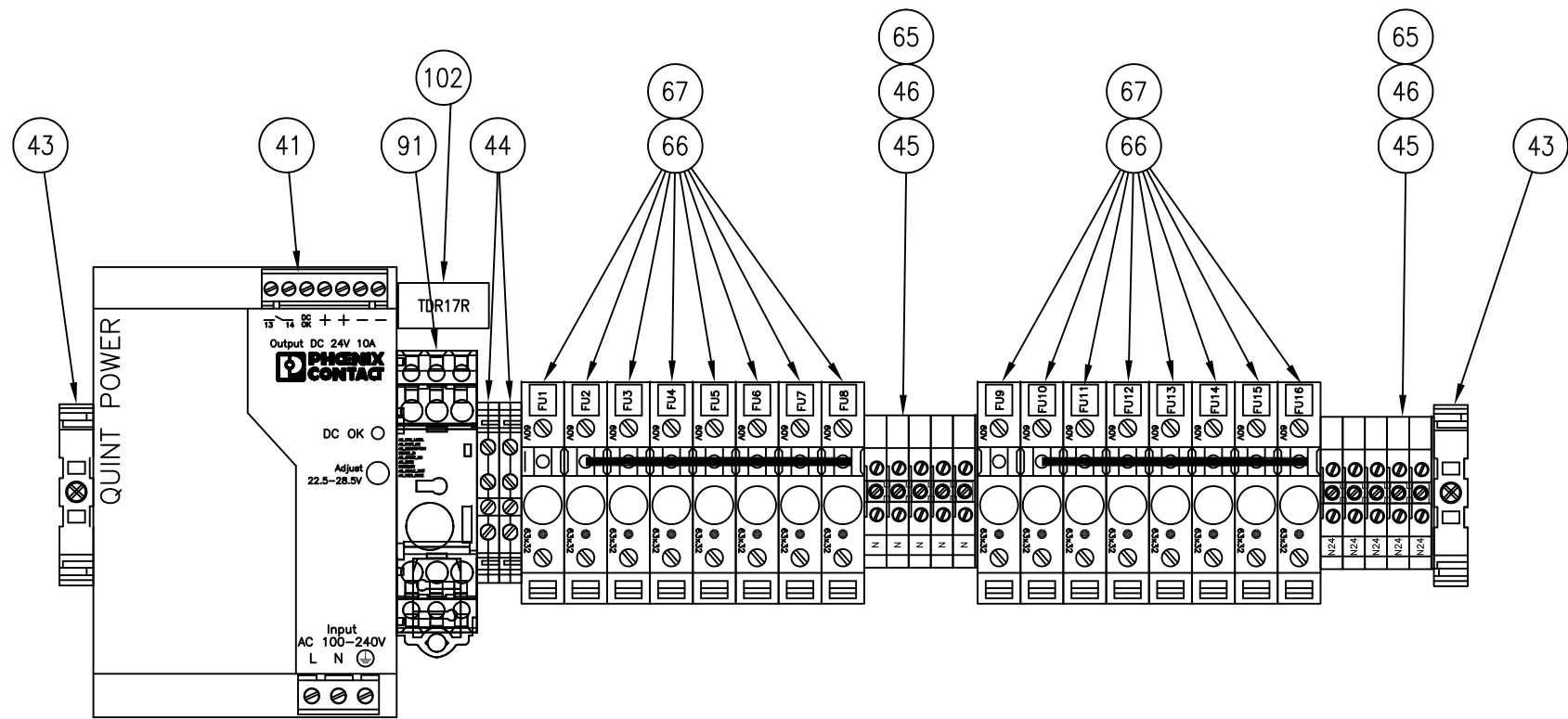


BREAK SHARP EDGES

ALL DIMENSIONS IN INCHES

FRACTIONAL ±.125
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1°

TITLE					RX 371-ELECTRICAL SCHEMATIC/ELECTRIC DRIVE CONTROL PANEL CLASS 1 DIV 2							
CUSTOMER				—		PROJECT NO.				—		
SHEET		6/9		SCALE		1:4		DRAWING NO.			REV.	
DRAWN BY		NDA		DATE		5/25/11		E03-10-094			B	



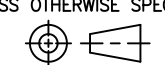
REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION
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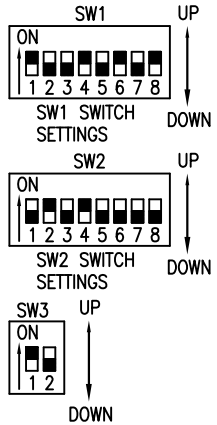
BREAK SHARP EDGES
ALL DIMENSIONS IN INCHES

FRACTIONAL	±.125
TWO PLACE DECIMAL	±.010
THREE PLACE DECIMAL	±.005
ANGLES	±1°

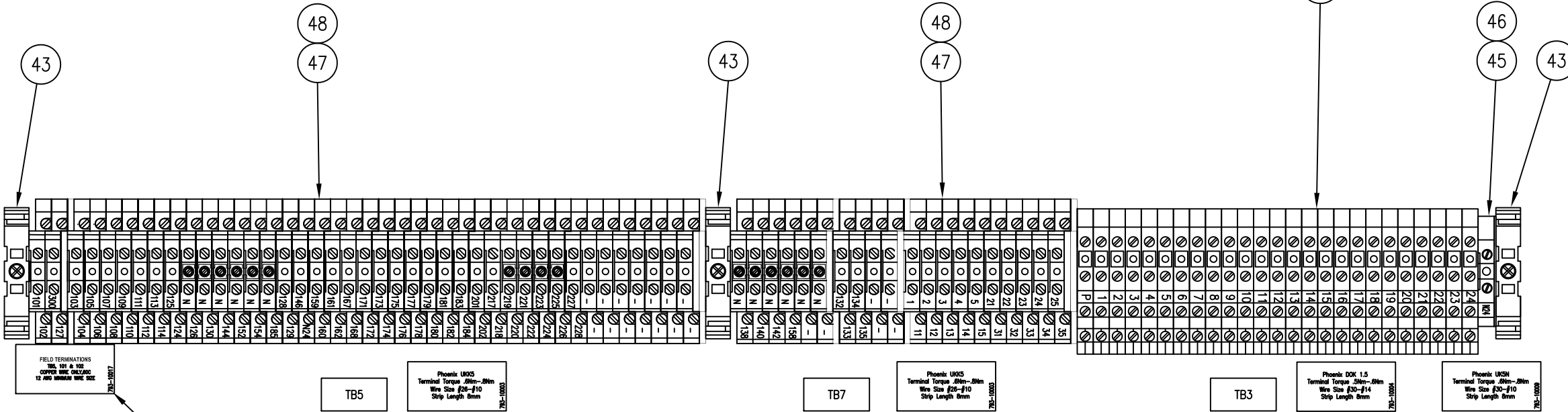
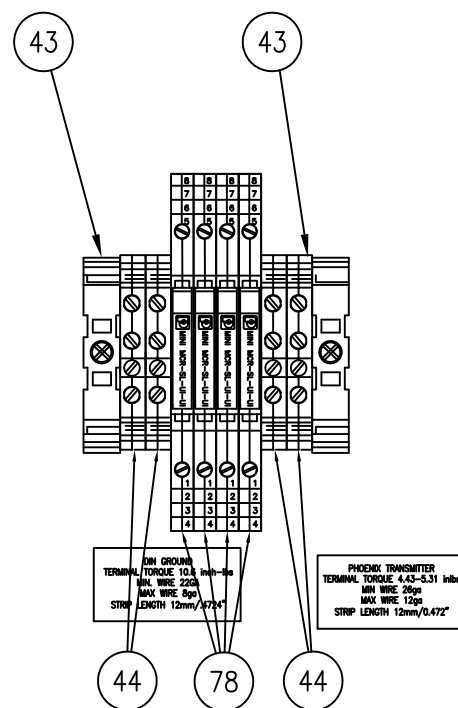
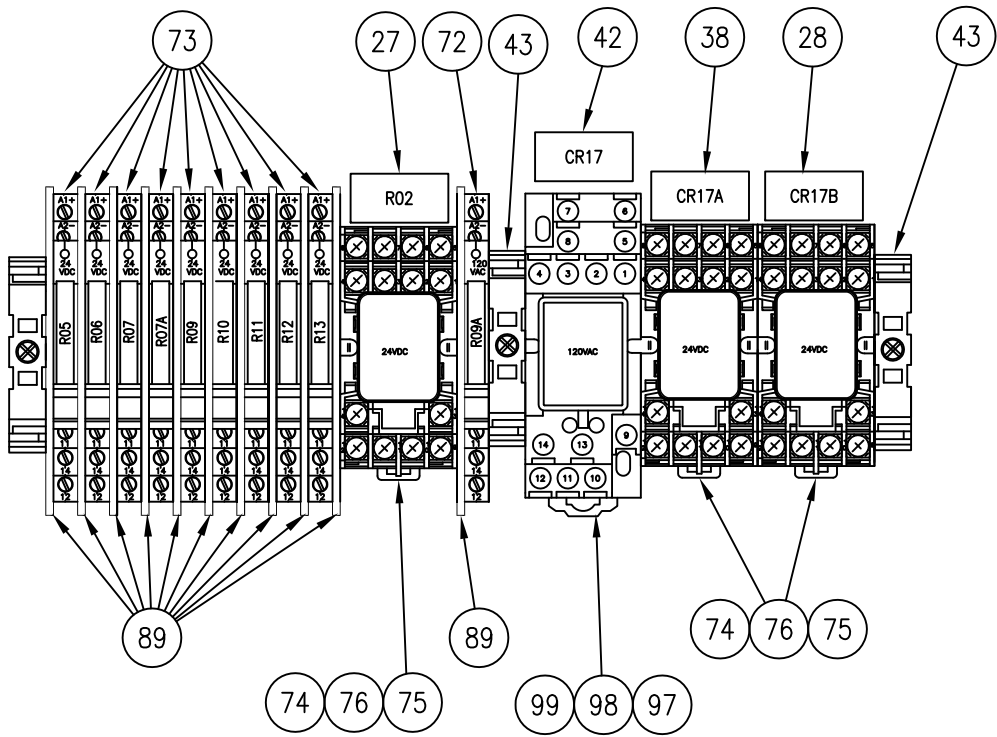
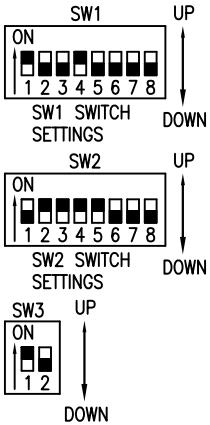
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CUSTOMER -	
PROJECT NO. -	
SHEET 7/9	SCALE 1:2
DRAWN BY NDA	DATE 5/25/11
DRAWING NO. E03-10-094	
REV. B	

DIPSWITCH SETTINGS

400-07888
AMBIENT TEMP
TRANSMITTER



400-07889
TEMP
TRANSMITTER



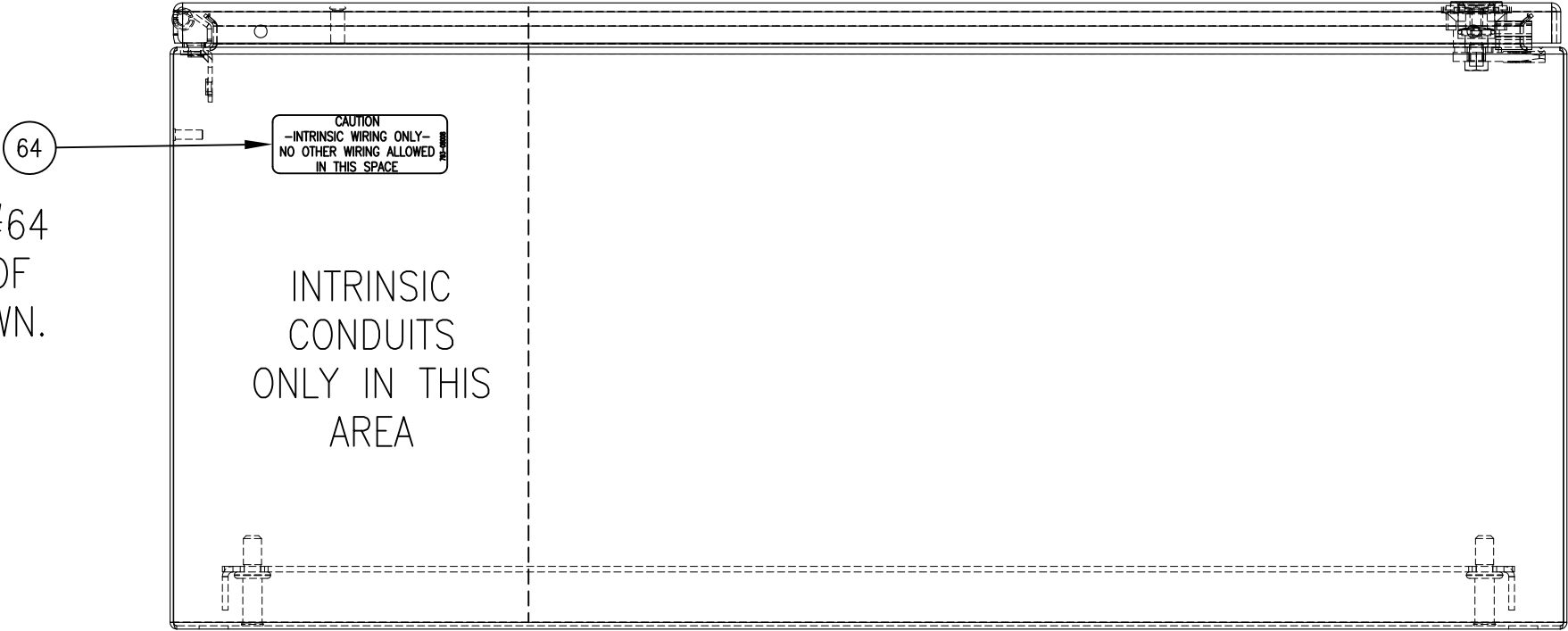
REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION
B	2-7-12 NDA	ADD TERMINALS 83 & 84			
A	11-7-11 NDA	TERMINAL UPDATE			

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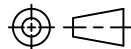
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UNLESS OTHERWISE SPECIFIED				TITLE			
				RX 371-ELECTRICAL SCHEMATIC/ELECTRIC DRIVE CONTROL PANEL CLASS 1 DIV 2			
FRACTIONAL TWO PLACE DECIMAL THREE PLACE DECIMAL ANGLES				CUSTOMER		PROJECT NO.	
±.125 ±.010 ±.005 ±1°		8/9		SCALE		DRAWING NO.	
DRAWN BY		NDA		DATE		REV.	
		5/25/11		E03-10-094		B	

**NOTE: PLACE ITEM#64
INSIDE & OUTSIDE OF
ENCLOSURE AS SHOWN.

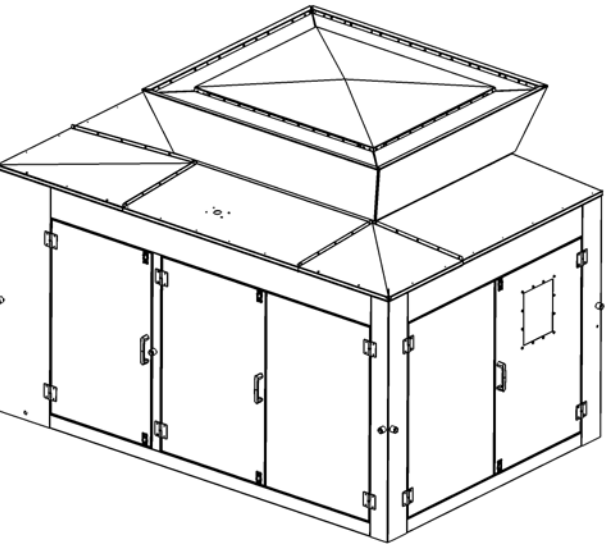
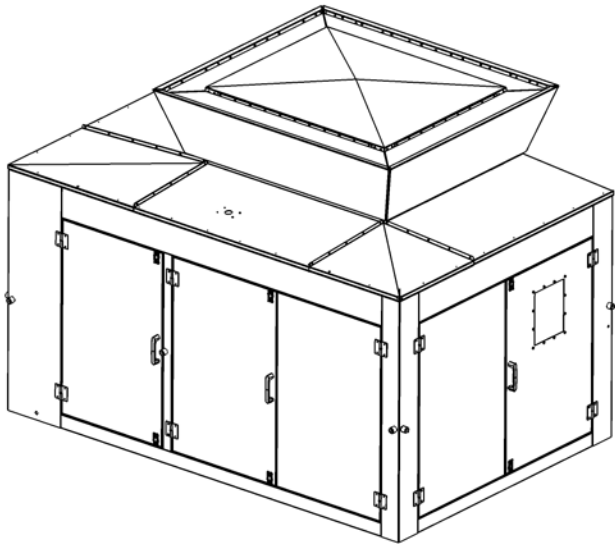
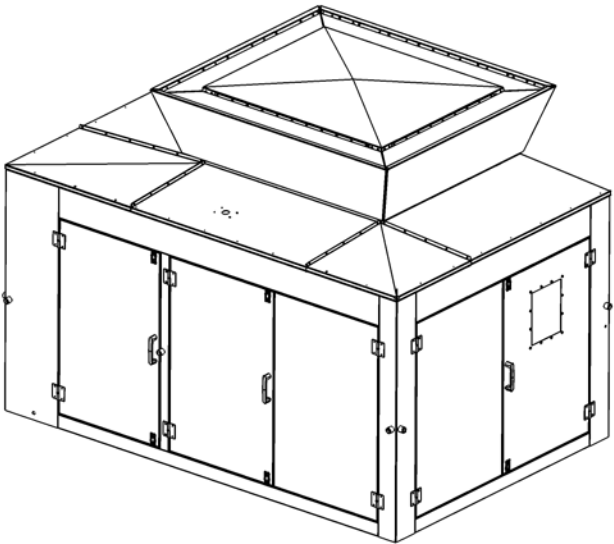
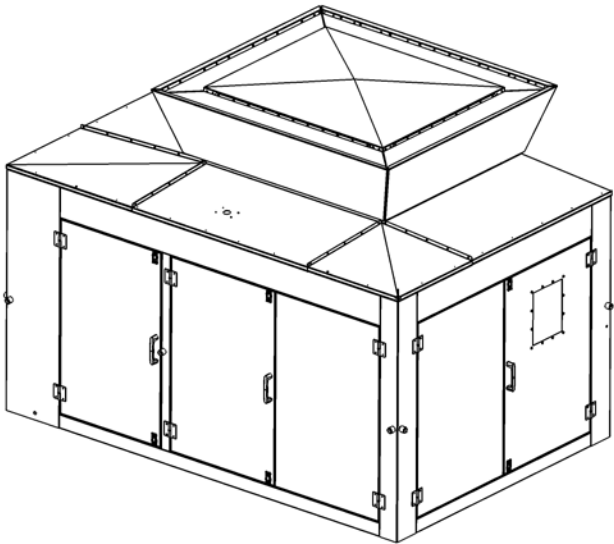
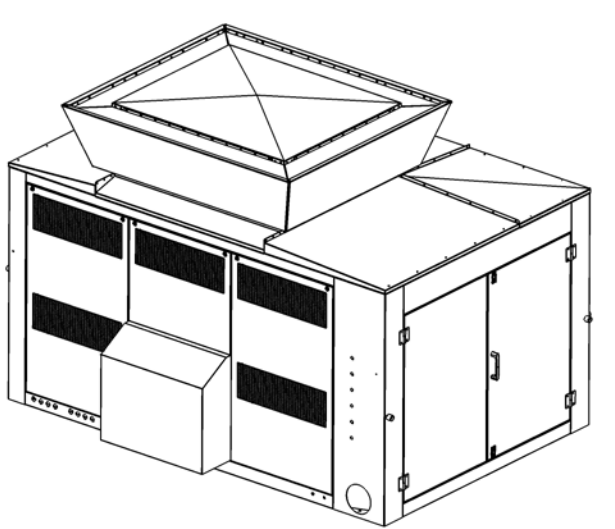
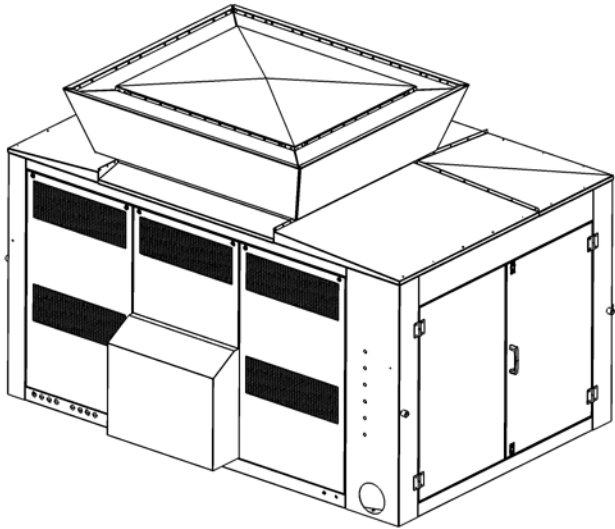
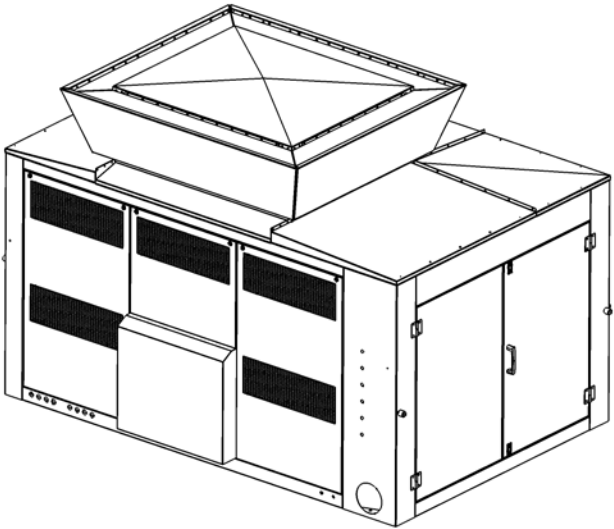
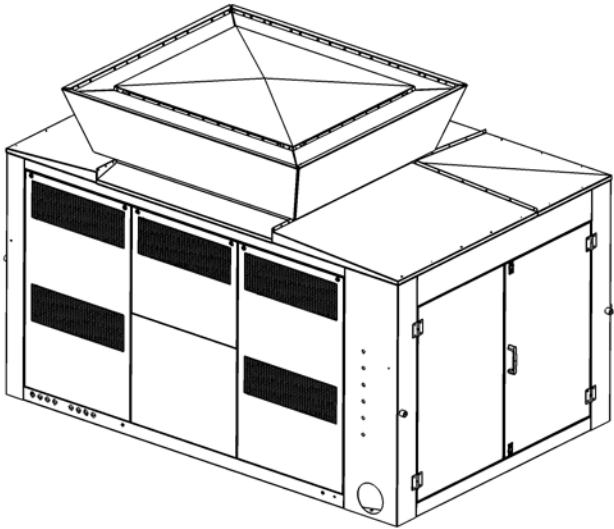


BOTTOM VIEW

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									CUSTOMER -		PROJECT NO. -	
							ALL DIMENSIONS IN INCHES		SHEET 9/9	SCALE 1:3	DRAWING NO. E03-10-094	REV. B
*							FRACTIONAL TWO PLACE DECIMAL THREE PLACE DECIMAL ANGLES	±.125 ±.010 ±.005 ±1"	DRAWN BY NDA	DATE 5/25/11		
REV	DATE/BY	DESCRIPTION			REV		DATE/BY	DESCRIPTION				

NOTES:
1. DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-2009.
2. SEE CHART FOR PART NUMBER & BOM SHEET LOCATION.

2	PART NUMBER	DESCRIPTION	SHEET NUMBER
	002-21-002-1	ENCLOSURE, NG300E, STANDARD	SHEET 2
	002-21-002-2	ENCLOSURE, NG300E, W/5.19 DOGHOUSE	SHEET 3
	002-21-002-3	ENCLOSURE, NG300E, W/10.39 DOGHOUSE	SHEET 4
	002-21-002-4	ENCLOSURE, NG300E, W/11.89 DOGHOUSE	SHEET 5



STANDARD ENCLOSURE WITH FLUSH DOGHOUSE
(P/N 002-21-002-1)
SCALE 0.040

STANDARD ENCLOSURE WITH 5.19 DOGHOUSE
(P/N 002-21-002-2)
SCALE 0.040

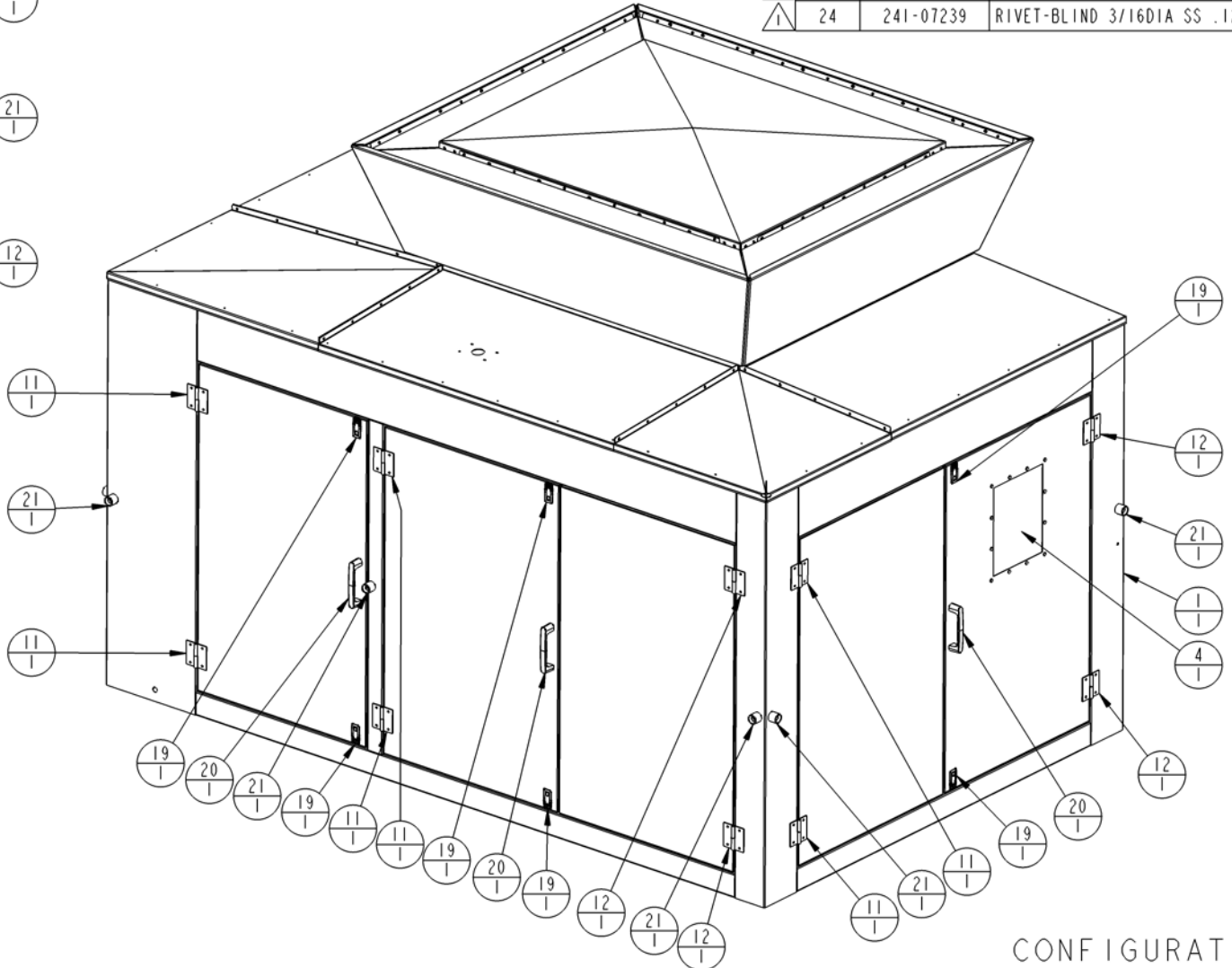
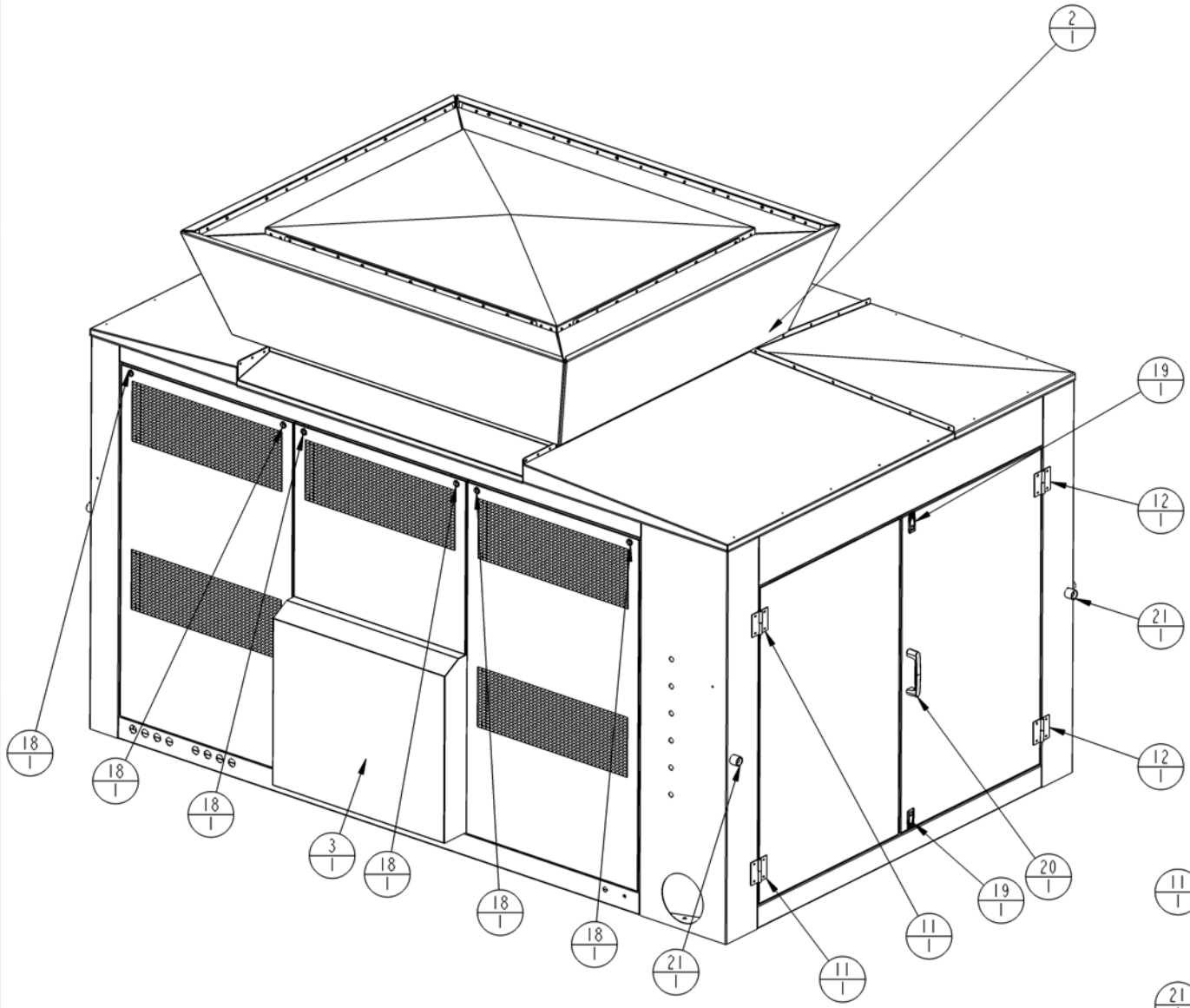
STANDARD ENCLOSURE WITH 10.39 DOGHOUSE
(P/N 002-21-002-3)
SCALE 0.040

STANDARD ENCLOSURE WITH 11.89 DOGHOUSE
(P/N 002-21-002-4)
SCALE 0.040

B 08/01/2011 SEE ECN 120210-02.		C 1/17/2012 SEE ECN# 130107-05	
A 08/03/2011 INITIAL RELEASE		REV DATE/BY DESCRIPTION	
REV DATE/BY DESCRIPTION		TITLE ENCLOSURE, NG300E	
ANGI ENERGY SYSTEMS 305 W DELAVAN DR JANESVILLE, WI 53546 PH: 608-563-2000 www.angienergy.com		CUSTOMER PROJECT NO.	
UNLESS OTHERWISE SPECIFIED BRAIN SHARP EDGES .005 - .015 ALL DIMENSIONS IN INCHES FRACTIONAL ± 1/8 TWO PLACE DECIMAL ± .010 THREE PLACE DECIMAL ± .005 ANGLES ± 1°		SHEET 1 of 6 SCALE 0.040	
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- NOTE:
- 1 BALLOON AND COMPONENT NOT SHOWN
 - 2. USE 2 LAYERS OF INSULATION ON ALL DOORS PANELS AND CORNER POSTS
 - 3. USE 1 LAYER OF INSULATION ON ROOF PANELS

ITEM	NAME	DESCRIPTION	QTY
1	0924-08300	ENCLOSURE, NG300E STANDARD	1
2	0924-08006	EXHAUST HOOD ASSEMBLY, 79.8 X 69.6 X 20.8	1
3	924-08314	PANEL ASSY, REMOVABLE, 35.533 X 31.25 X 7.57 X 16 GA	1
4	004-07239	GLASS-LEXAN 1/4x14x17 SMOKED T	1
5	005-07230	SOUND ATTENUATION FOAM STRIP, 3/8 X 1	464 IN
6	031-00025	ALUM-DIAMOND PLATE 1/8	180 SQ IN
7	100-07306	SEAL-TRIM WITH #4 BULB (3000")	1000 IN
8	100-07323	INSULATION-FIRE SPAN 90 W/FOIL	70
9	105-07233	CAULK, ROPE, TAN, 1/8 X 1/2 X 25'	2
10	105-07236	CAULK, SILICONIZED ACRYLIC ADHESIVE SEALANT, CLEAR TUBE	3
11	200-07263	HINGE-DOOR 4x4 LH SS TYPEA	8
12	200-07264	HINGE-DOOR 4x4 RH SS TYPEB	6
13	260-07261	WASHER-STUD INSULATION PIN STYLE	300
14	300-07604	STUD-WELD, 12GA X 1 1/2"LG, MLD STL	100
15	300-07605	STUD-WELD, 12GA X 2 1/2" LG, MLD STL	200
16	482-07236	BUTTON-ESD EXTENSION 40MM MUSH	1
17	482-07237	BUTTON-ESD EXTENSION PUSH ROD	1
18	700-07457	LATCH-1/4 TURN ASSY SLOTTED	6
19	700-07458	LATCH, 1/4 TURN ASSY, KEYED FLUSH	8
20	700-07461	HANDLE, LARGE DOOR	4
21	700-07501	LATCH-DOOR OPEN SOCKET/PLUNGER	7
22	780-07235	CAP-RUBBER EPDM, NON THRD, BLK	300
23	100-07339	INSULATION-FIBERGLASS R19 UNFC	1
24	241-07239	RIVET-BLIND 3/16DIA SS .126-.250 GRIP RANGE	70



CONFIGURATION OF 002-21-002-2

ANGI ENERGY SYSTEMS
305 W DELAVAN DR
JAMESVILLE, WI 53546
PH: 608-563-2000
www.angienergy.com

UNLESS OTHERWISE SPECIFIED

BREAK SHARP EDGES .005 - .015
ALL DIMENSIONS IN INCHES

FRACTIONAL ± 1/8
TWO PLACE DECIMAL ± .010
THREE PLACE DECIMAL ± .005
ANGLES ± 1°

TITLE ENCLOSURE, NG300E	
CUSTOMER	PROJECT NO.
SHEET 3 of 6	SCALE 0.075
DRAWN BY HBB	DATE 11/03/2010
DRAWING NO. 002-21-002	
REV. C	

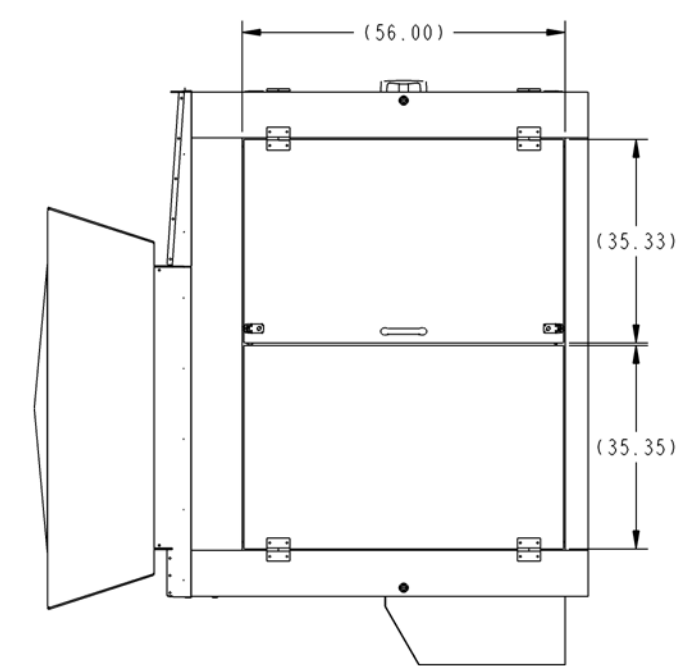
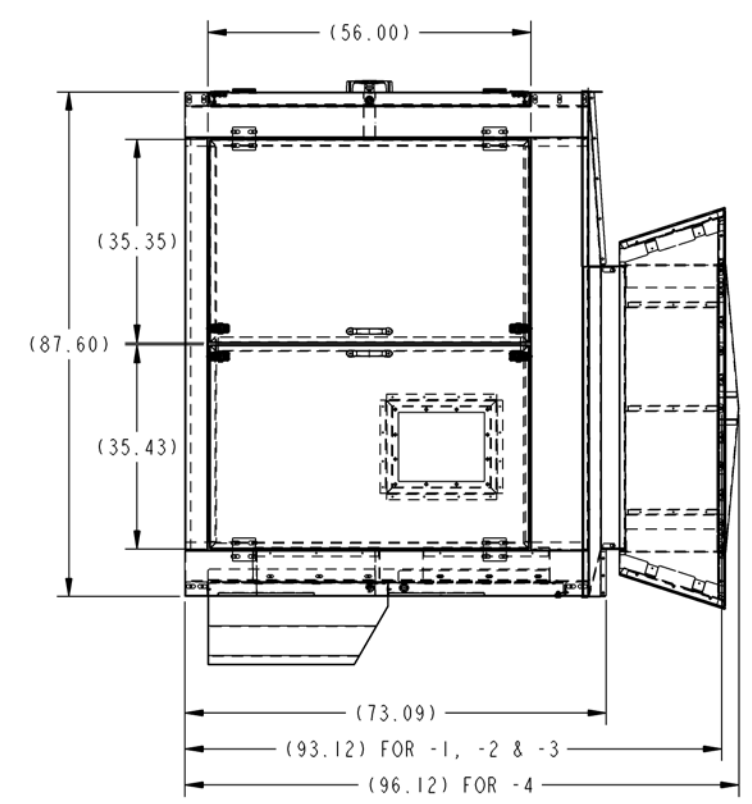
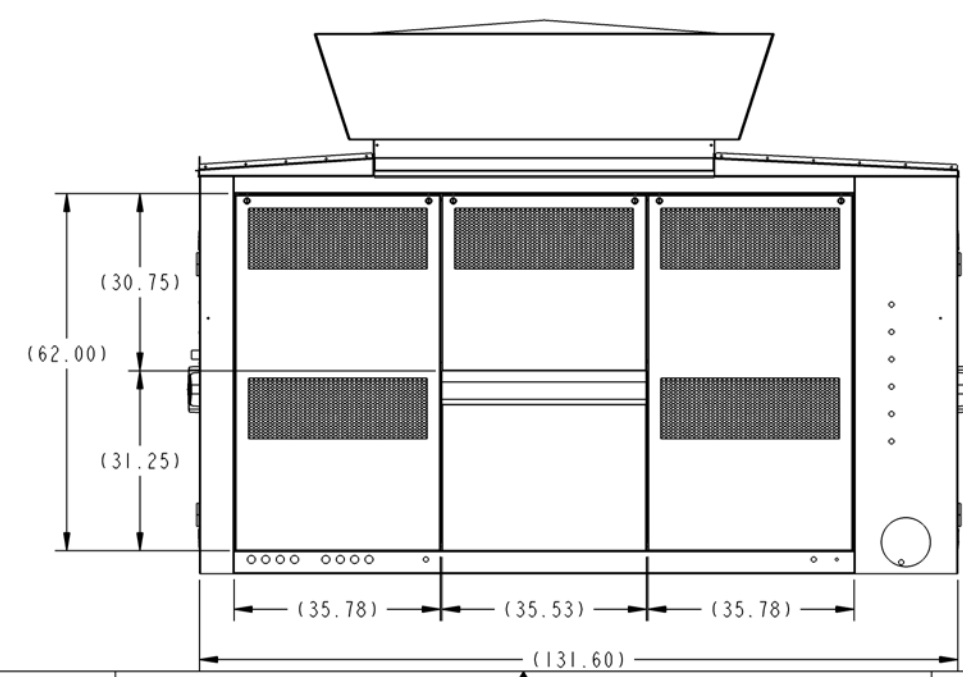
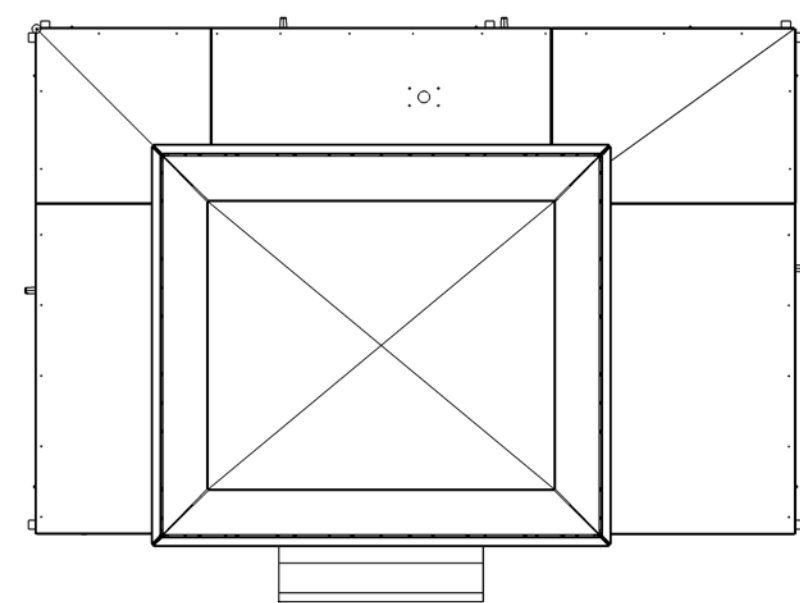
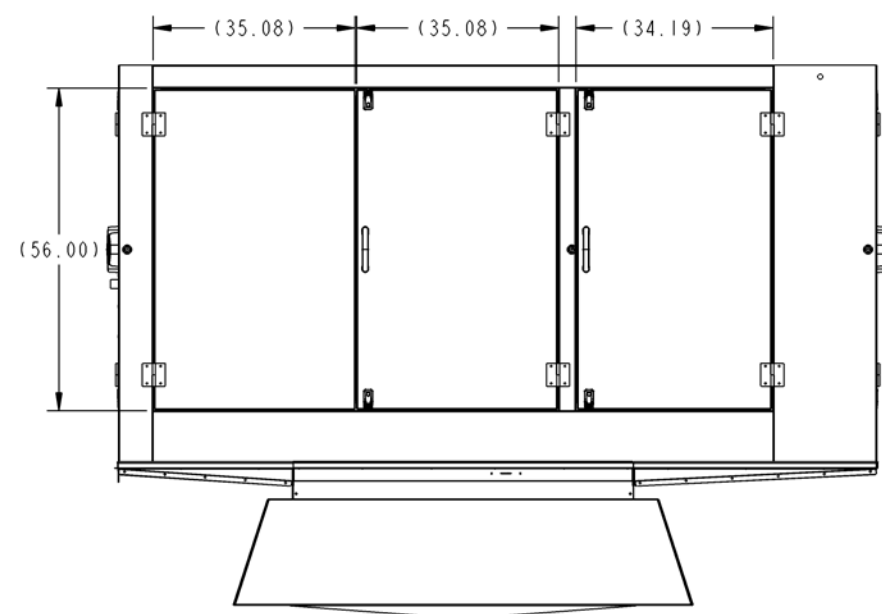
8 7 6 5 4 3 2 1

D

C

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ANGI ENERGY SYSTEMS
305 W DELAVAN DR
JANESVILLE, WI 53546
PH: 608-563-2000
www.angienergy.com

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UNLESS OTHERWISE SPECIFIED

BREAK SHARP EDGES .005 - .015

ALL DIMENSIONS IN INCHES

FRACTIONAL ± 1/8

TWO PLACE DECIMAL ± .010

THREE PLACE DECIMAL ± .005

ANGLES ± 1°

TITLE		ENCLOSURE, NG300E	
CUSTOMER		PROJECT NO.	
SHEET 6 of 6	SCALE 0.040	DRAWING NO. 002-21-002	
DRAWN BY HBB	DATE 11/03/2010	REV. C	

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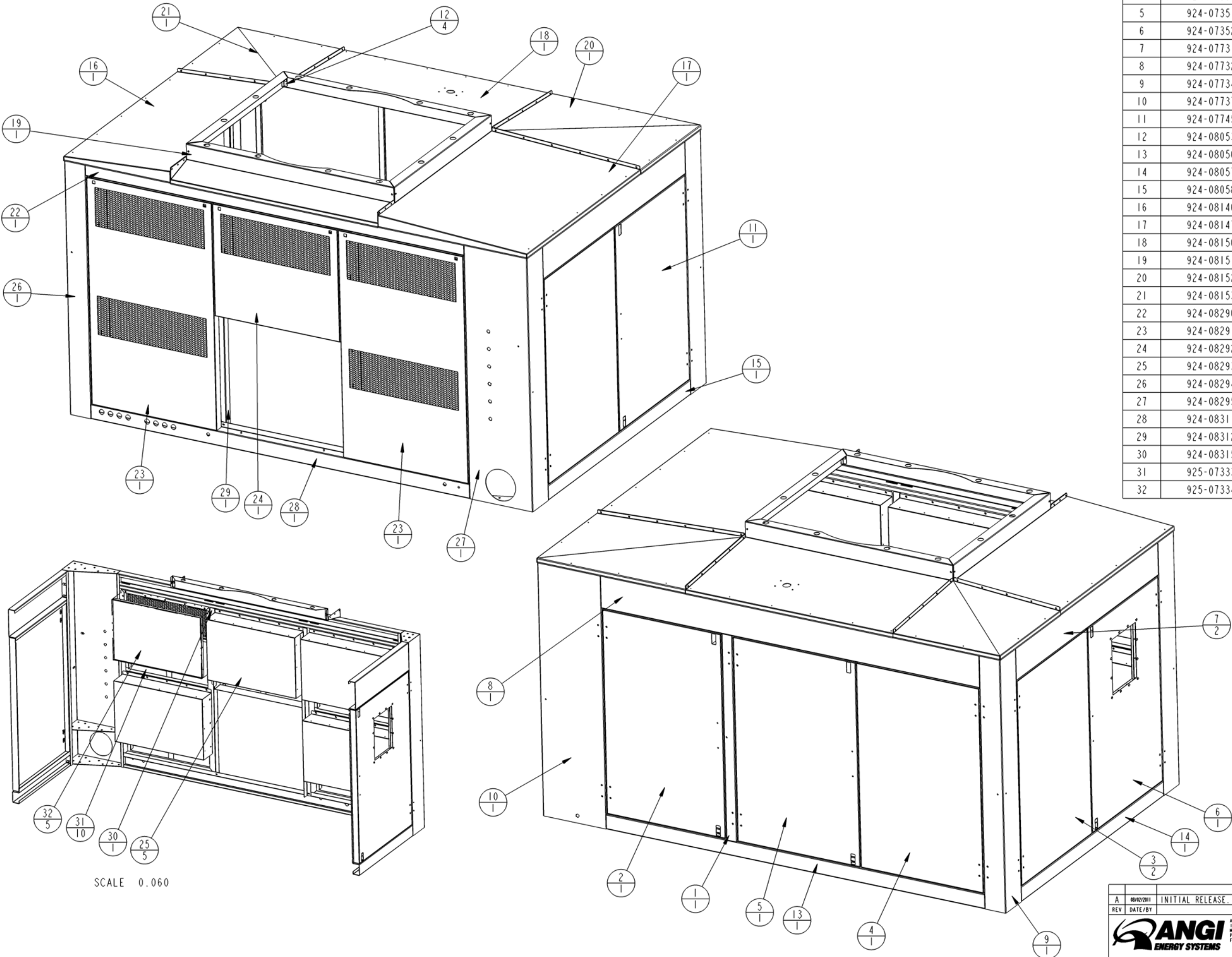
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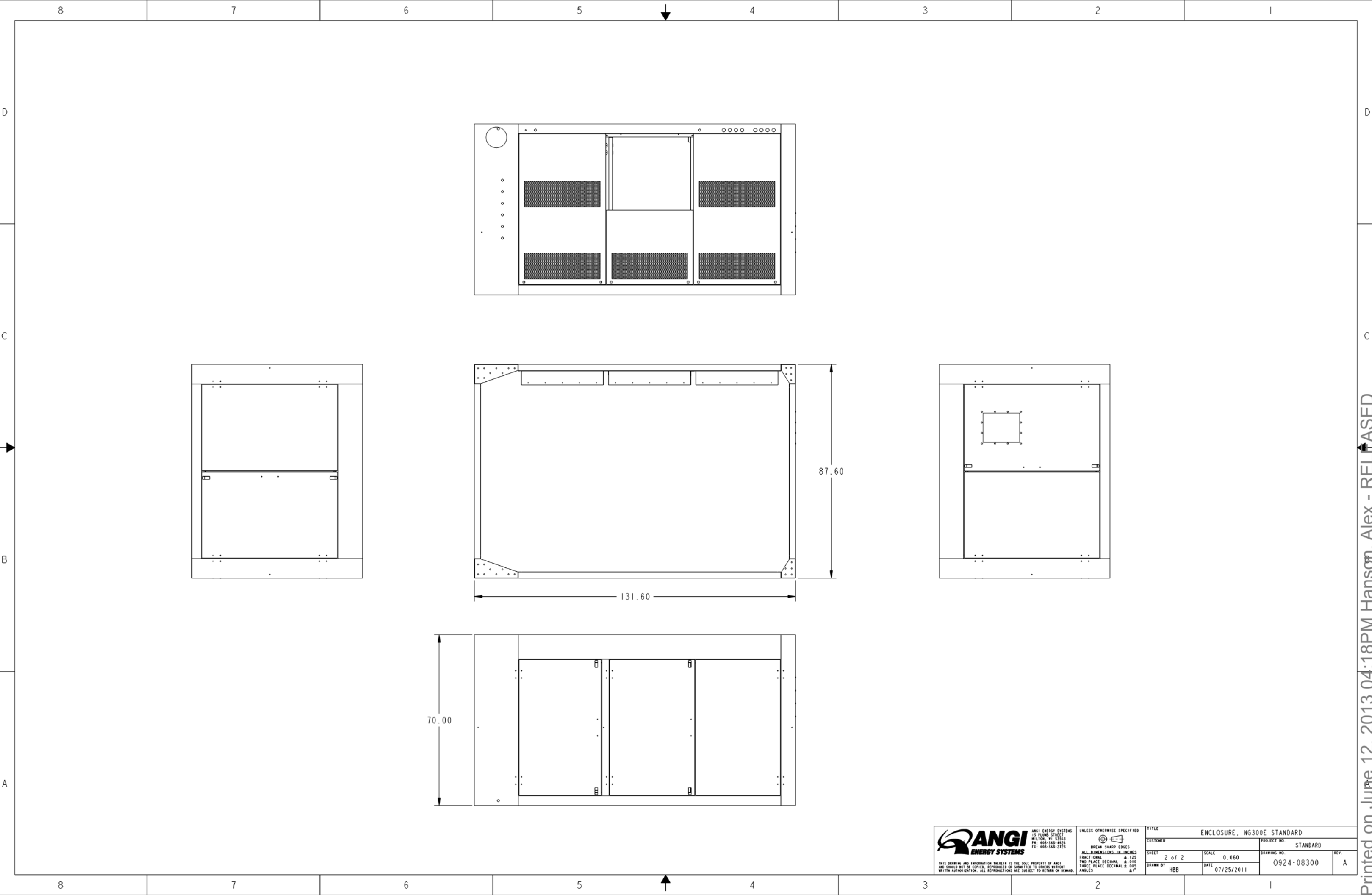
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NOTES:
1. DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-2009.



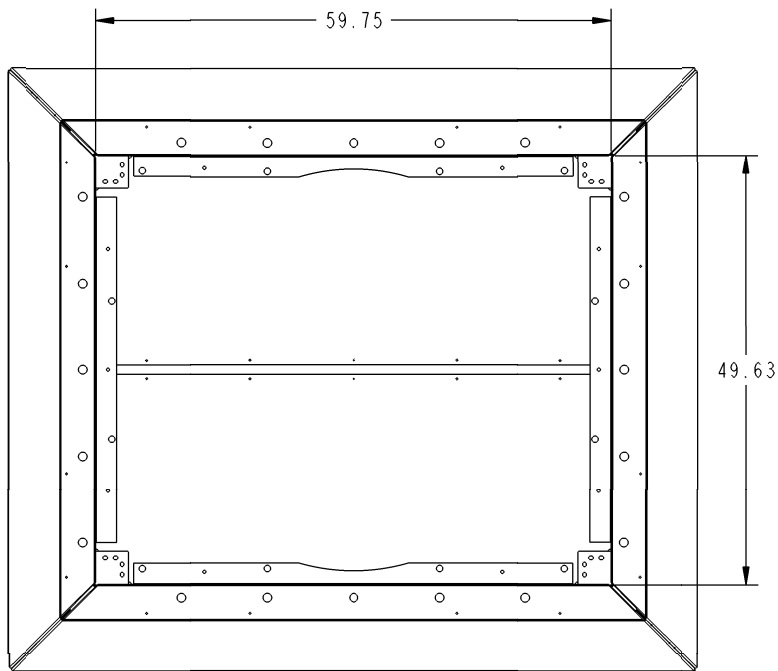
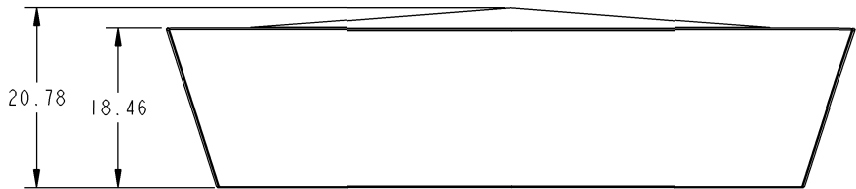
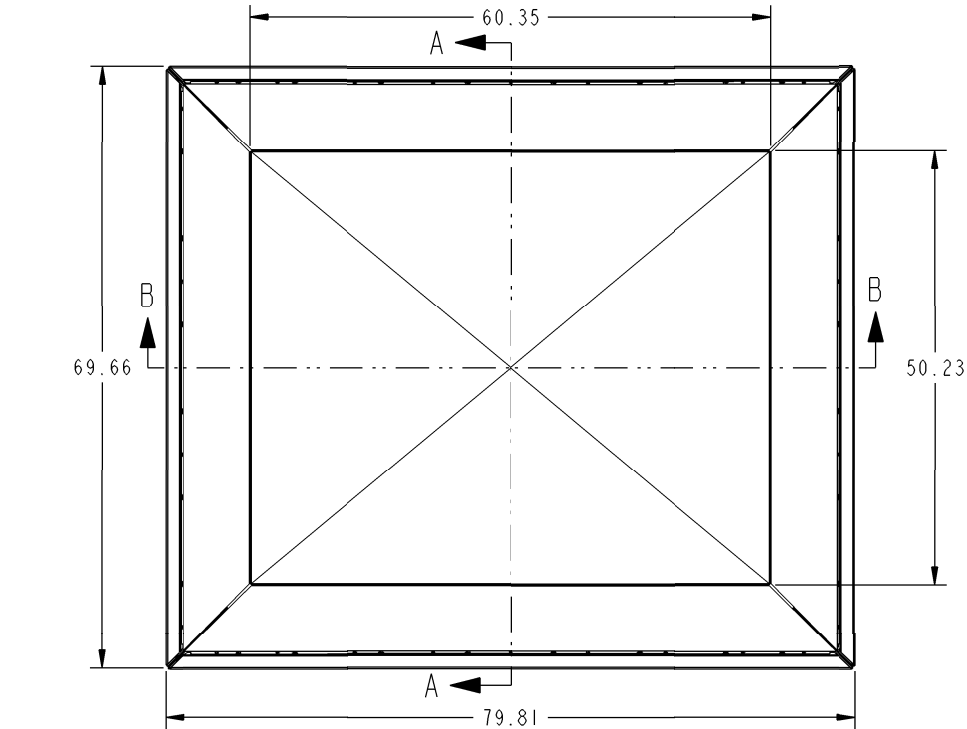
ITEM	NAME	DESCRIPTION	QTY
1	924-07338	PANEL WELDMENT - DOOR SUPPORT VERTICAL MINISKID	1
2	924-07347	PANEL WELDMENT - DOOR, FRONT LEFT, MINISKID	1
3	924-07348	PANEL WELDMENT - DOOR, INNER SIDE, MINISKID	2
4	924-07350	PANEL WELDMENT-DOOR, RIGHT FRONT, MINISKID	1
5	924-07351	PANEL WELDMENT-DOOR, FRONT MIDDLE, MINISKID	1
6	924-07352	PANEL WELDMENT-DOOR WITH WINDOW, MINISKID	1
7	924-07731	HEADER WELDMENT, 71.6 X 10.0 X 2.5 X 12 GA	2
8	924-07732	HEADER WELDMENT, 107.6 X 10.0 X 2.5 X 12 GA	1
9	924-07734	CORNER POST WELDMENT, 70.0 X 8.0 X 6.0 X 12 GA	1
10	924-07737	CORNER POST WELDMENT, 70.0 X 18.0 X 8.0 X 12 GA	1
11	924-07745	PANEL WELDMENT-DOOR, FRONT MIDDLE, HI HP NG300	1
12	924-08053	WELDMENT, CHIMNEY SUPPORT, 3.75 X 1.0 X 1.0 X 14 GA	4
13	924-08056	FOOTER WELDMENT, 107.6 X 4.0 X 2.5 X 12 GA	1
14	924-08057	FOOTER WELDMENT, 71.6 X 4.0 X 2.5 X 12 GA	1
15	924-08058	FOOTER WELDMENT, 71.6 X 4.0 X 2.5 X 12 GA	1
16	924-08146	ROOF PANEL, 49.0 X 30.31 X 7.4 X 14 GA	1
17	924-08147	ROOF PANEL, 49.0 X 42.4 X 7.5 X 14 GA	1
18	924-08150	ROOF PANEL, 59.0 X 30.6 X 7.5 X 14 GA	1
19	924-08151	ROOF PANEL, 59.0 X 8.2 X 7.3 X 14 GA	1
20	924-08152	PANEL, ROOF, 42.38 X 30.5 X 3.10 X 14 GA	1
21	924-08153	PANEL, ROOF, 30.5 X 30.5 X 3.1 X 14 GA	1
22	924-08290	HEADER WELDMENT, 107.6 X 4.0 X 2.5 X 12 GA	1
23	924-08291	PANEL, REMOVABLE VENT, 61.75 X 35.53 X 2.38 X 18 GA	2
24	924-08292	PANEL, REMOVABLE VENT, 35.53 X 30.5 X 2.38 X 18 GA	1
25	924-08293	VENT ASSY 33.65 X 22.0 X 6.125 X 18 GA	5
26	924-08294	CORNER POST WELDMENT, 70.0 X 8.0 X 6.0 X 12 GA	1
27	924-08295	CORNER POST WELDMENT, 70.0 X 18.0 X 8.0 X 12 GA	1
28	924-08311	FOOTER WELDMENT, 107.6 X 4.0 X 2.5 X 12 GA	1
29	924-08312	SUPPORT ANGLE, 2.0 X 1.5 X 60.75, VENT PANEL	1
30	924-08315	SUPPORT ANGLE, 2.0 X 1.75 X 27.75, VENT PANEL	1
31	925-07333	PERFORATED, SHEET METAL, 16.38 X 16.0 X .5 X 22 GA GALV	10
32	925-07334	PERFORATED, SHEET METAL, 33.38 X 21.8 X 1.0 X 22 GA GALV	5

A 08/02/2011 INITIAL RELEASE.		REV DATE/REV		DESCRIPTION		TITLE		ENCLOSURE, NG300E STANDARD	
ANGI ENERGY SYSTEMS 15 PLUMB STREET MILTON, WI 53543 PH: 800-868-4826 FX: 800-868-2723		UNLESS OTHERWISE SPECIFIED BREAK SHARP EDGES ALL DIMENSIONS IN INCHES FRACTIONAL ±.125 TWO PLACE DECIMAL ±.010 THREE PLACE DECIMAL ±.005 ANGLES ±1°		CUSTOMER		PROJECT NO.		STANDARD	
SHEET 1 of 2		SCALE 0.080		DRAWN BY HBB		DATE 07/25/2011		DRAWING NO. 0924-08300	
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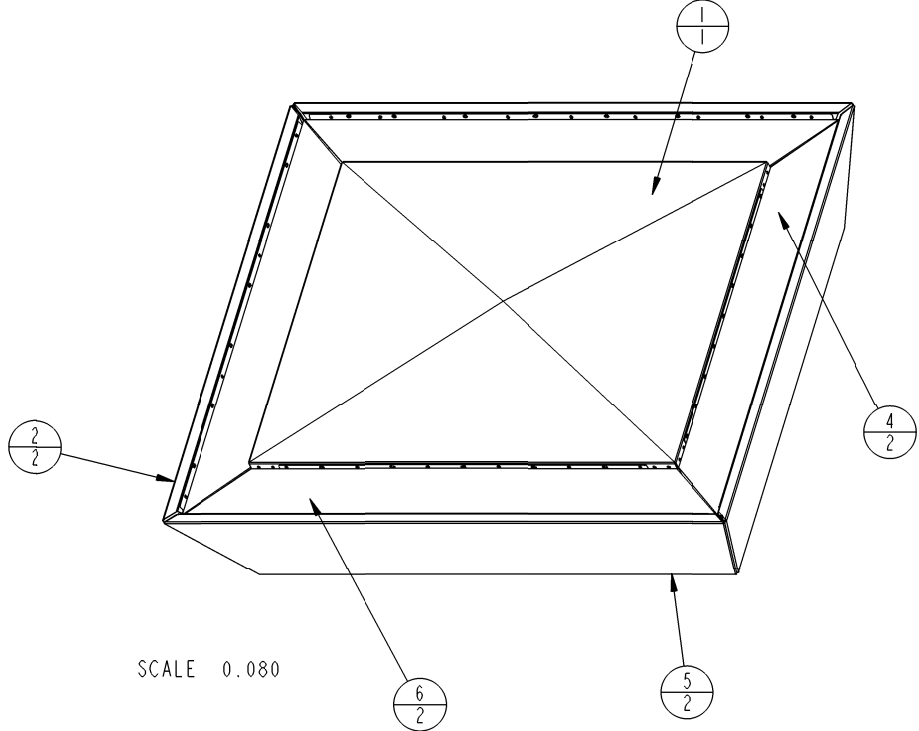


NOTES:

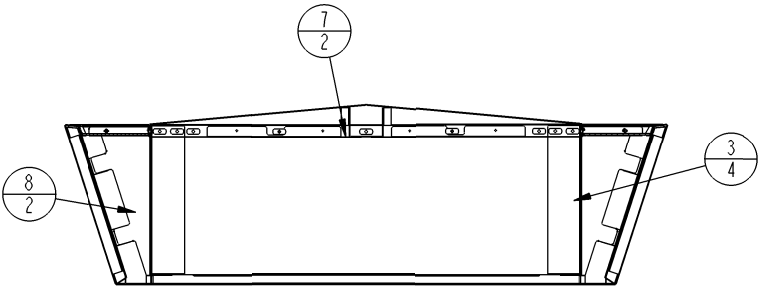
1. DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-2009.



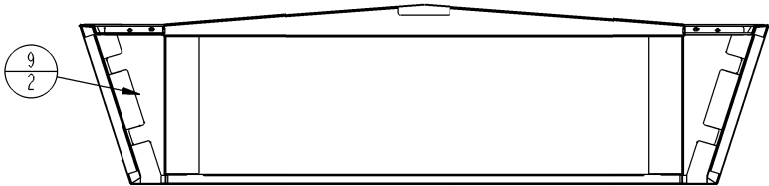
ITEM	NAME	DESCRIPTION	QTY
1	924-08660	EXHAUST HOOD CAP ASSEMBLY, 50.23 X 60.23 X 14 GA	1
2	924-08661	EXHAUST HOOD ANGLED SIDE ASSEMBLY 69.0 X 18.4 X 14 GA	2
3	924-08662	EXHAUST HOOD LEG SUPPORT, 17.0 X 4.0 X 4.0 X 12 GA	4
4	924-08663	EXPANDED MESH ASSEMBLY 65.5 X 7.6	2
5	924-08665	EXHAUST HOOD ANGLED SIDE ASSEMBLY 79.0 X 18.4 X 14 GA	2
6	924-08666	EXPANDED MESH ASSEMBLY 75.5 X 7.66	2
7	925-07403	SHEET - PERFORATED, 60.0 X 24.5 X 22 GA GALV	2
8	925-07405	SHEET - PERFORATED, 66.0 X 18.9 X 22 GA GALV	2
9	925-07406	SHEET - PERFORATED, 76.0 X 18.9 X 22 GA GALV	2



SCALE 0.080



SECTION A-A



SECTION B-B

A		07/17/12	INITIAL RELEASE.				
REV	DATE/BY	DESCRIPTION	UNLESS OTHERWISE SPECIFIED	REV	DATE/BY	DESCRIPTION	
		ANGI ENERGY SYSTEMS 305 W DELAVAN DR JAMESVILLE, WI 53546 PH: 608-563-2800 www.angienergy.com	BREAN SHARP EDGES .005 - .015 ALL DIMENSIONS IN INCHES FRACTIONAL ± 1/8 DECIMAL ± .010 THREE PLACE DECIMAL ± .005 ANGLES ± 1°	TITLE EXHAUST HOOD ASSEMBLY, 79.8 X 69.6 X 20.8		PROJECT NO.	
				CUSTOMER		DRAWING NO.	
				SHEET 1 of 1		SCALE 0.090	
				DRAWN BY ZWP		DATE 07/17/2012	
						0924-08006	
						REV. A	

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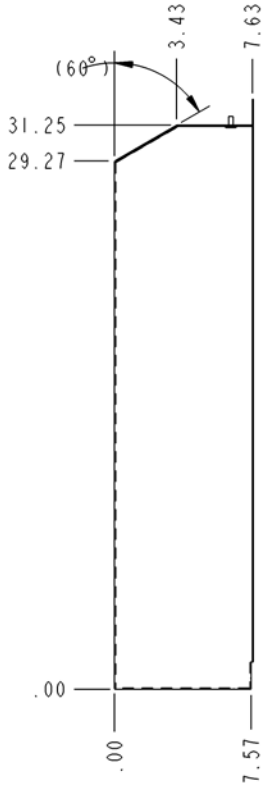
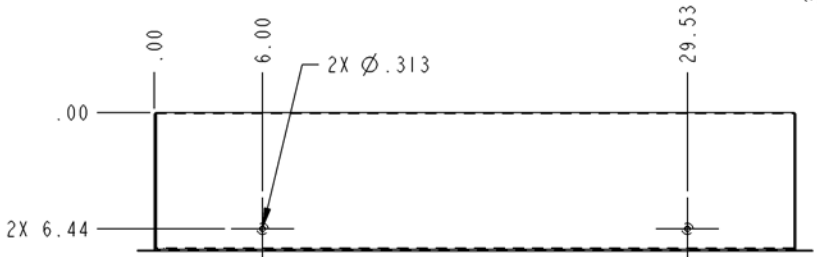
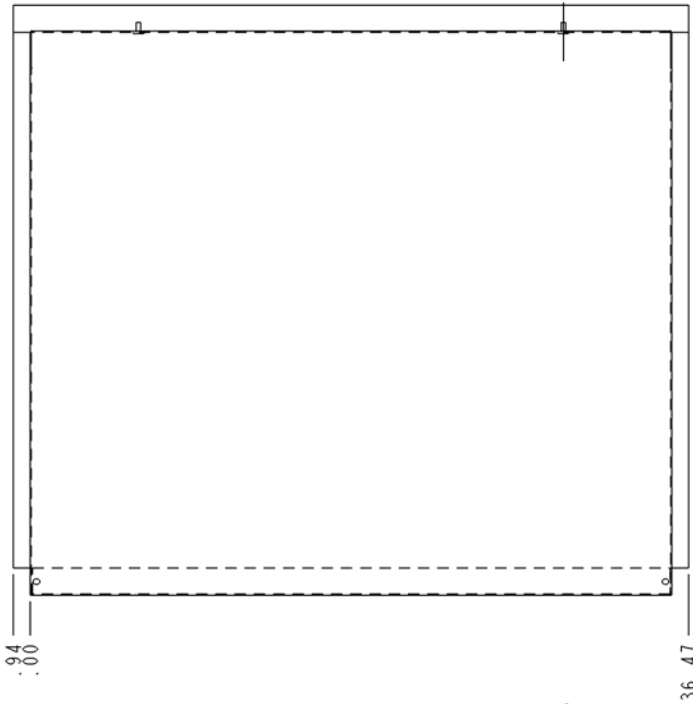
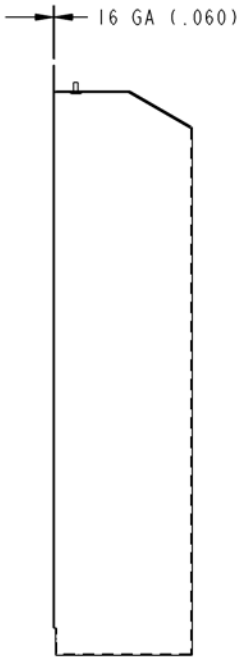
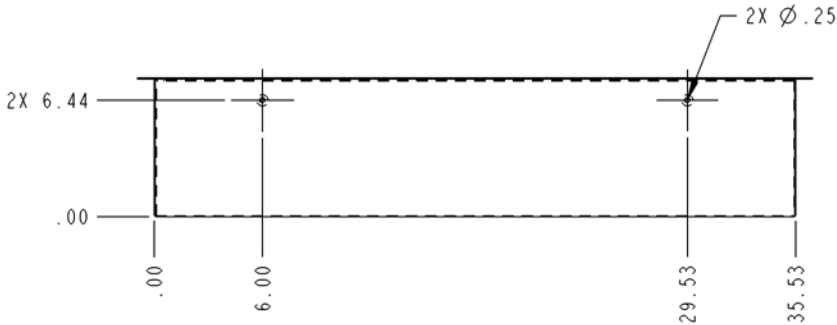
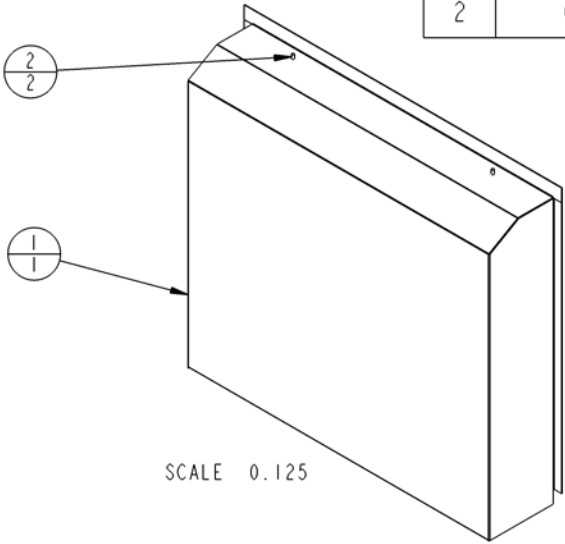
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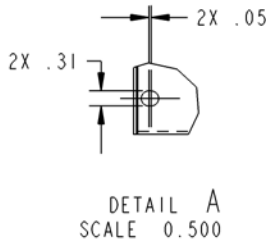
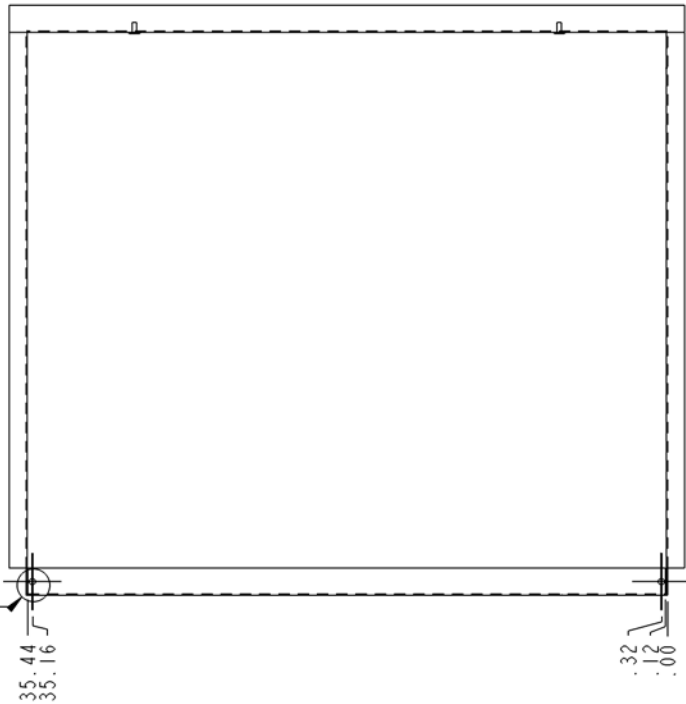
NOTES:

- 1. DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-2009.
- 2. WELD SYMBOLS IN ACCORDANCE WITH AWS A2.4-86.
- 3. DEBURR ALL EDGES .005 - .015.
- 4. MATERIAL: STEEL SHEET, 16 GA (.059) P & O.
- 5. POWDER COAT MACHINE COLOR
- 6. ALL BENDS ARE 90° UNLESS OTHERWISE NOTED.
- 7. IDENTIFY PART WITH PART NUMBER USING NON-DESTRUCTIVE METHOD. LETTER HEIGHT SHALL BE .50 MIN.

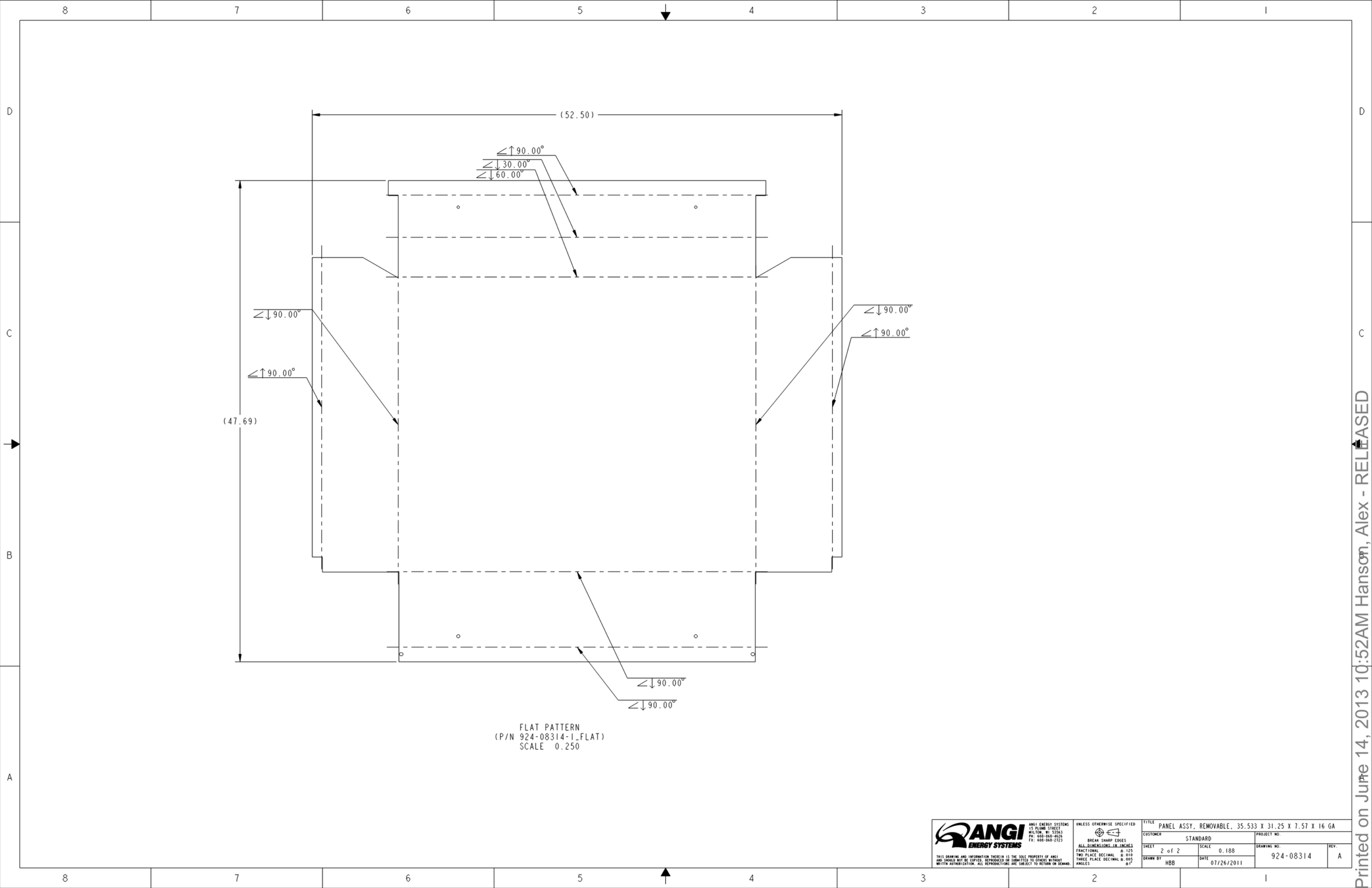
ITEM	NAME	DESCRIPTION	QTY	LENGTH
1	924-08314-1	PANEL, MOTOR, 35.53 X 31.25 X 7.0 X 16 GA	1	
2	0124724	WELDPIN 1/4 x 5/8L	2	



SEE DETAIL A



A		01/26/2011		INITIAL RELEASE.											
REV		DATE/BY		DESCRIPTION				REV		DATE/BY		DESCRIPTION			
				 ANGI ENERGY SYSTEMS 15 PLUMB STREET MILTON, WI 53543 PH: 800-848-4826 FX: 800-848-2723				UNLESS OTHERWISE SPECIFIED  BREAK SHARP EDGES ALL DIMENSIONS IN INCHES FRACTIONAL ± .125 TWO PLACE DECIMAL ± .010 THREE PLACE DECIMAL ± .005 ANGLES ± 1°				FILE PANEL ASSY, REMOVABLE, 35.533 X 31.25 X 7.57 X 16 GA			
								CUSTOMER		STANDARD		PROJECT NO.			
SHEET		1 of 2		SCALE				0.188		DRAWING NO.		REV.			
DRAWN BY		HBB		DATE				07/26/2011		924-08314		A			



FLAT PATTERN
(P/N 924-08314-1_FLAT)
SCALE 0.250



ANGI ENERGY SYSTEMS
15 PLUMB STREET
MILTON, VT 5563
PH: 800-868-4626
FX: 800-868-2723

UNLESS OTHERWISE SPECIFIED
BREAK SHARP EDGES
ALL DIMENSIONS IN INCHES
FRACTIONAL ± 1/32
TWO PLACE DECIMAL ± 0.01
THREE PLACE DECIMAL ± 0.005
ANGLES ± 1°

TITLE			
PANEL ASSY, REMOVABLE, 35.533 X 31.25 X 7.57 X 16 GA			
CUSTOMER		PROJECT NO.	
STANDARD			
SHEET 2 of 2		SCALE 0.188	
DRAWN BY HBB		DATE 07/26/2011	
DRAWING NO. 924-08314			REV. A