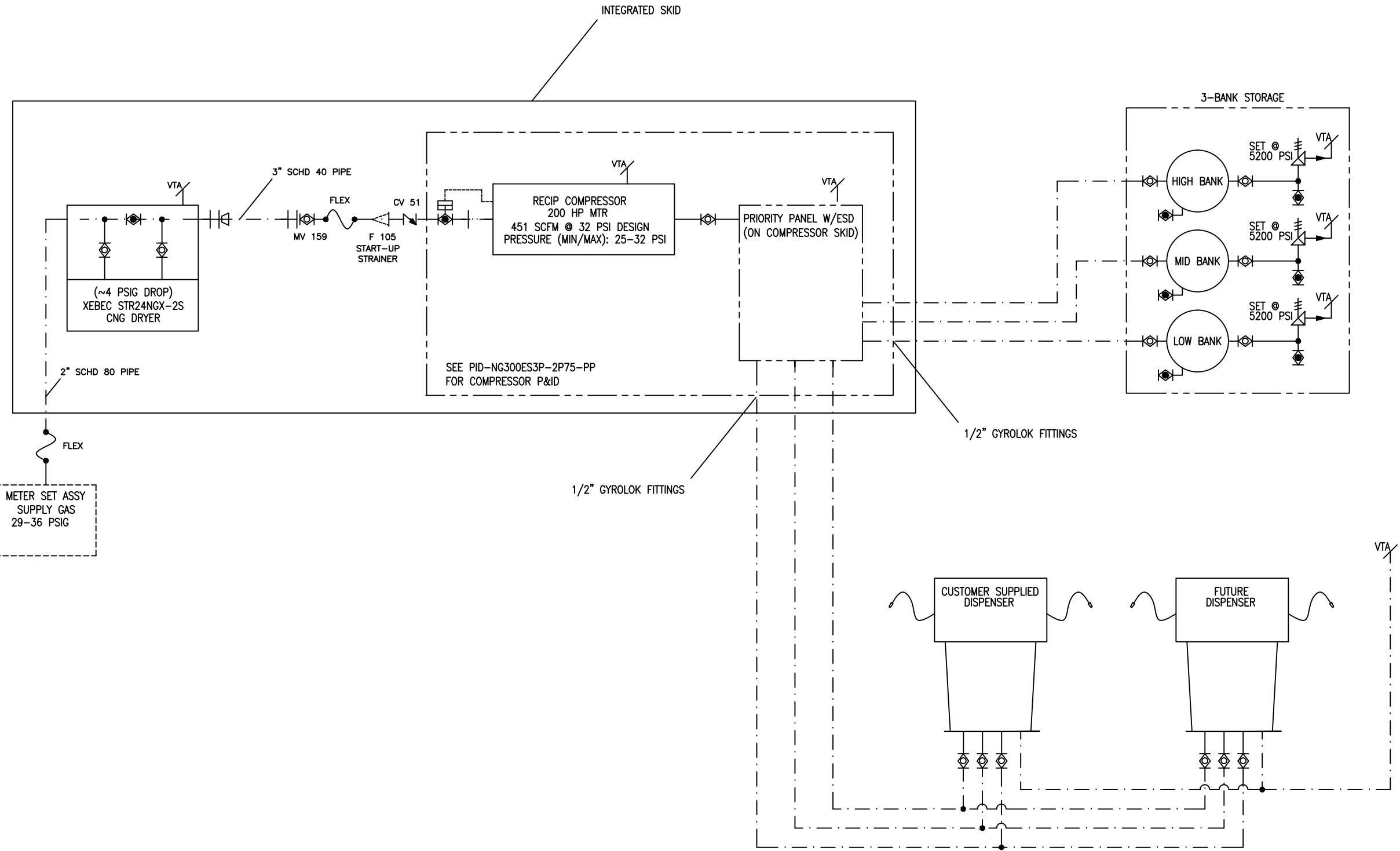


DESIGNATOR	QTY	PART NUMBER	DESCRIPTION
CV 51	1	336-07261	VALVE-CHECK KF 3 WAFER CL150
F 97	1	770-07393	STRAINER-BASKET TYPE 3 CL150,300&600
MV 295	1	334-07505	VALVE-BALL SVF 3 CL150 F.P. W/LKG HDL

MTR STARTER LOCATE MINIMUM 15' FROM CL1 DIV2 ENVIRONMENT



LEGEND:

- STRAINER
- FILTER
- CHECK VALVE
- FLANGED PIPE CONNECTION
- MANUAL VALVE, N.O.
- MANUAL VALVE, N.C.
- ACTUATED BALL VALVE
- GAS LINE
- CONTROL AIR LINE
- VENT LINE
- SAFETY RELIEF VALVE
- REGULATOR
- VENT TO ATMOSPHERE
- FLEXIBLE CONNECTION

REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION
A	7/23/2012 JRS	CHANGED STORAGE RELIEF SETTING FROM 5000 PSI TO 5200 PSI			

ANGI ENERGY SYSTEMS
15 PLUMB STREET
MILTON, WI 53563
PH: 608-868-4626
FX: 608-868-2723

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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		SITE P & ID	
CUSTOMER	APACHE - CANADIAN, PERRYTON	PROJECT NO.	40167, 40170
SHEET	1/1	SCALE	NA
DRAWN BY	JRS	DATE	6/28/2012
		DRAWING NO.	A05-03-40167
		REV.	A

COMPRESSOR DATA

WEIGHT: 20,000 LBS (APPROXIMATE)

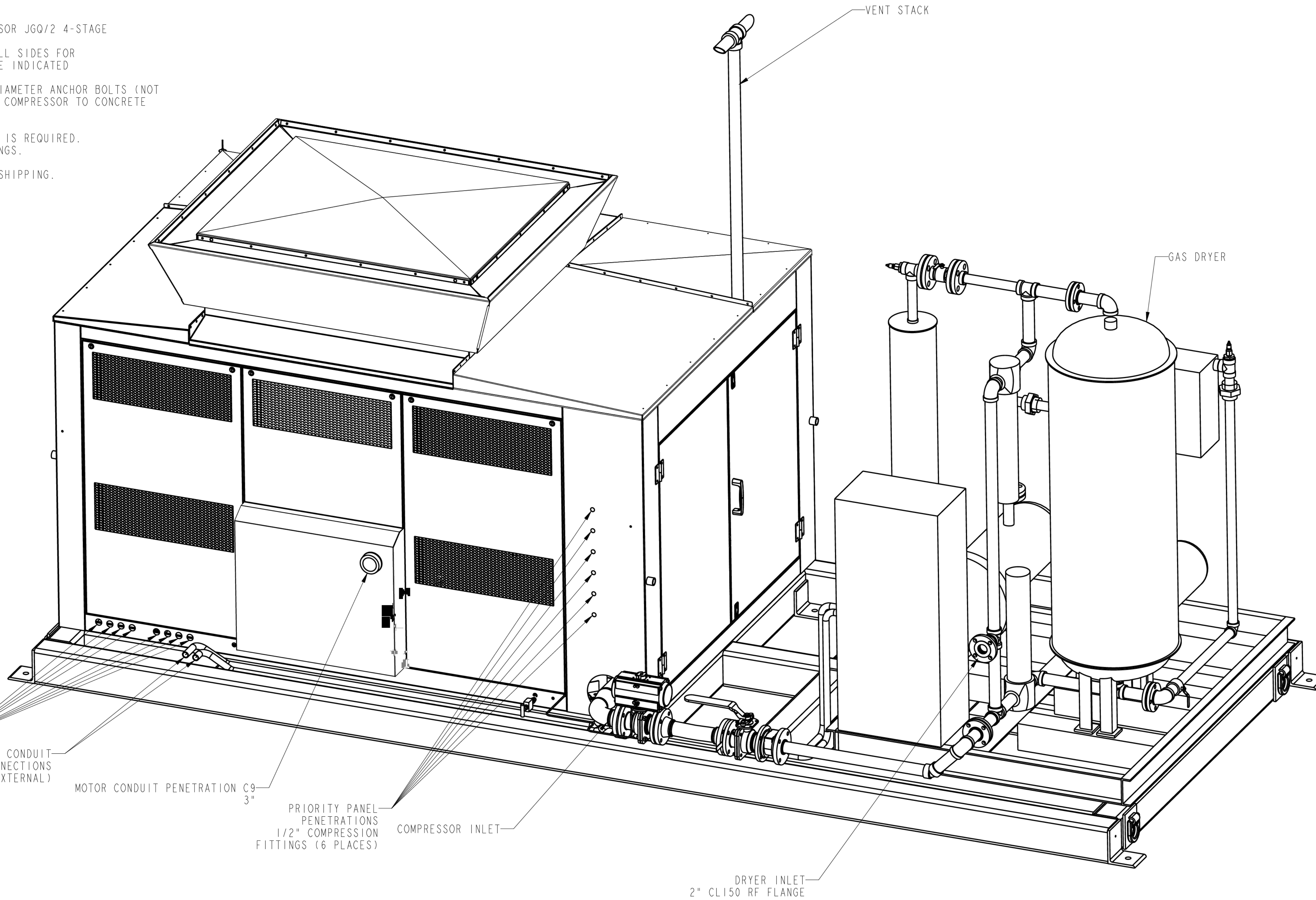
TYPE: ARIEL RECIPROCATING COMPRESSOR JGQ/2 4-STAGE

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

MOUNTING: REQUIRES EIGHT (8) 1" DIAMETER ANCHOR BOLTS (NOT PROVIDED). GROUTING THE COMPRESSOR TO CONCRETE IS NOT RECOMMENDED

LIFTING: MINIMUM 24' SPREADER BAR IS REQUIRED. UTILIZE FOUR (4) LIFT RINGS.

SHIPPING: VENT STACK REMOVED FOR SHIPPING.



CONDUIT PENETRATIONS C1-C8
1" (8 PLACES)

DRYER CONDUIT CONNECTIONS
(EXTERNAL)

MOTOR CONDUIT PENETRATION C9
3"

PRIORITY PANEL PENETRATIONS
1/2" COMPRESSION FITTINGS (6 PLACES)

COMPRESSOR INLET

DRYER INLET
2" CL150 RF FLANGE

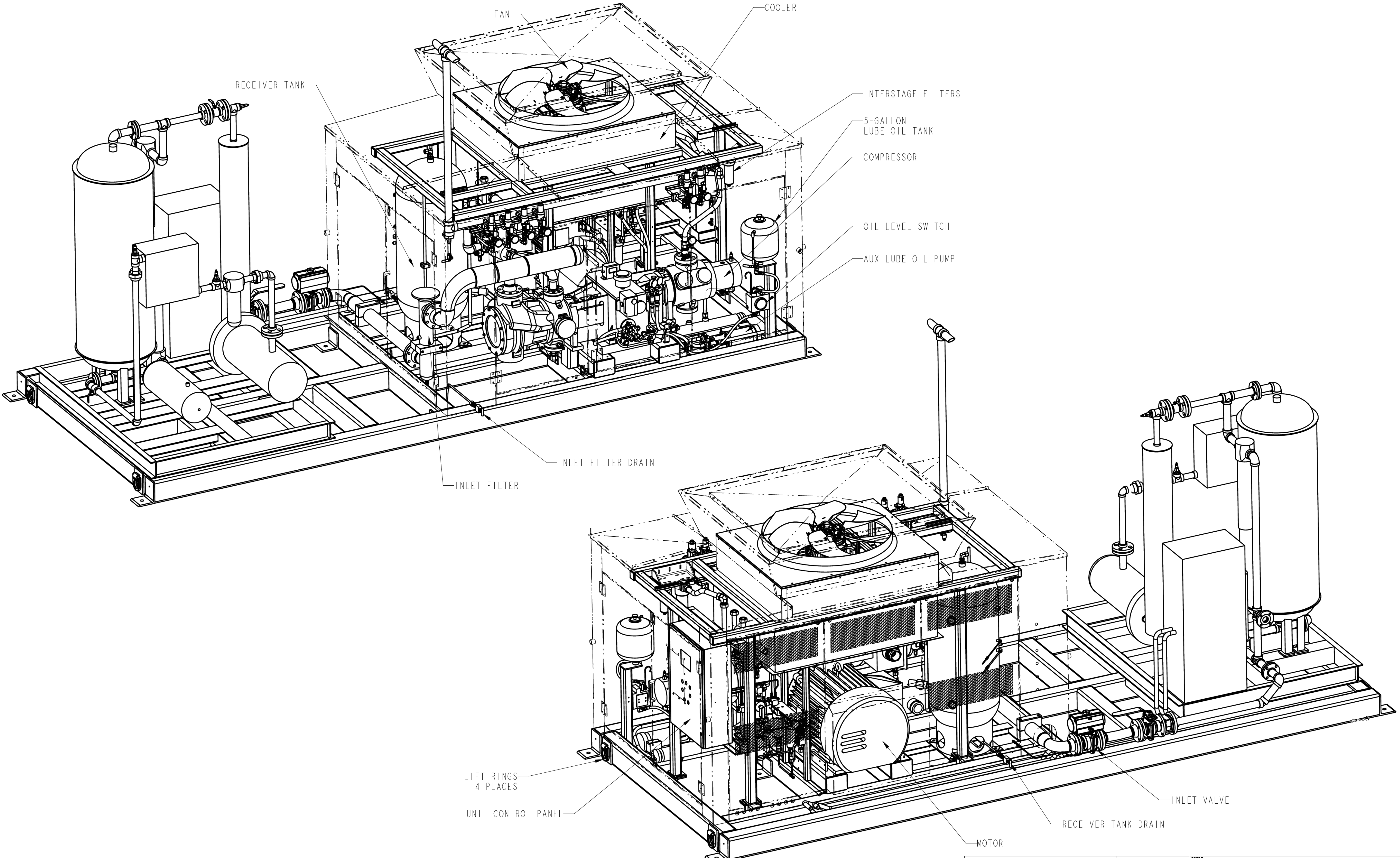
VENT STACK

GAS DRYER

B	5/14/2012	ADDED LIFTING RING DIMENSIONS.			
A	5/24/2012	INITIAL RELEASE.			
REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION
<p>ANGI ENERGY SYSTEMS 15 PLUMB STREET MILTON, WI 53563 PH: 608-868-4826 FX: 608-868-2723</p>			<p>UNLESS OTHERWISE SPECIFIED</p> <p>BREAK SHARP EDGES</p> <p>ALL DIMENSIONS IN INCHES</p> <p>FRACTIONAL ±.125</p> <p>TWO PLACE DECIMAL ±.010</p> <p>THREE PLACE DECIMAL ±.005</p> <p>ANGLES ±1°</p>		
<p>TITLE GENERAL LAYOUT-NG300E4Q W/ENCL. AND 2" CL150 INLET</p>			<p>CUSTOMER APACHE-CANADIAN PROJECT NO. 40167</p>		
<p>SHEET 1 of 5 SCALE 0.094</p>			<p>DRAWING NO. GAD-NG300E-GD-40167 REV. B</p>		
<p>DRAWN BY JRS DATE 5/24/2012</p>					

8 7 6 5 4 3 2 1

D
C
B
A



FAN
COOLER
INTERSTAGE FILTERS
5-GALLON LUBE OIL TANK
COMPRESSOR
OIL LEVEL SWITCH
AUX LUBE OIL PUMP

INLET FILTER
INLET FILTER DRAIN

LIFT RINGS
4 PLACES
UNIT CONTROL PANEL

MOTOR
RECEIVER TANK DRAIN
INLET VALVE

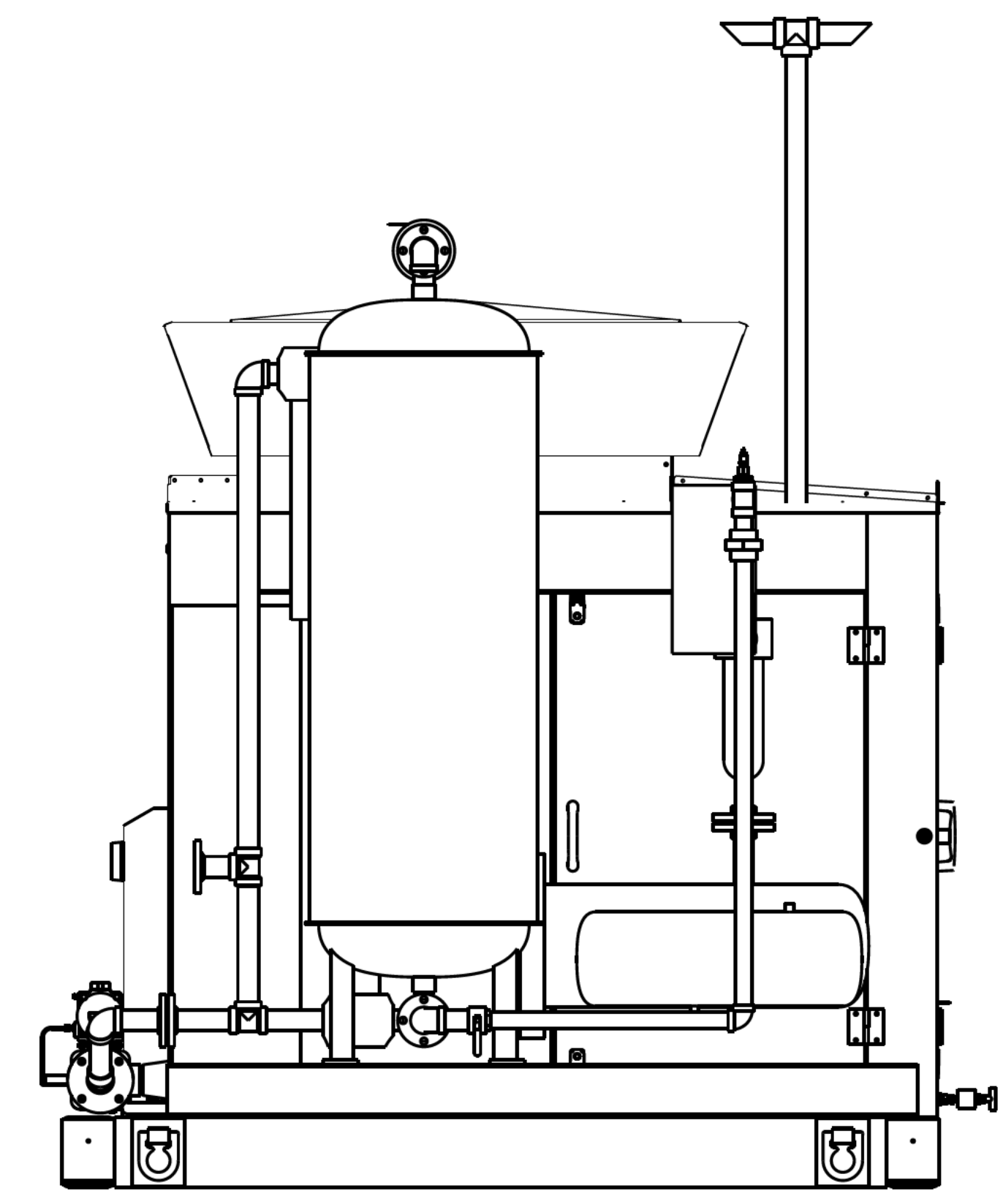
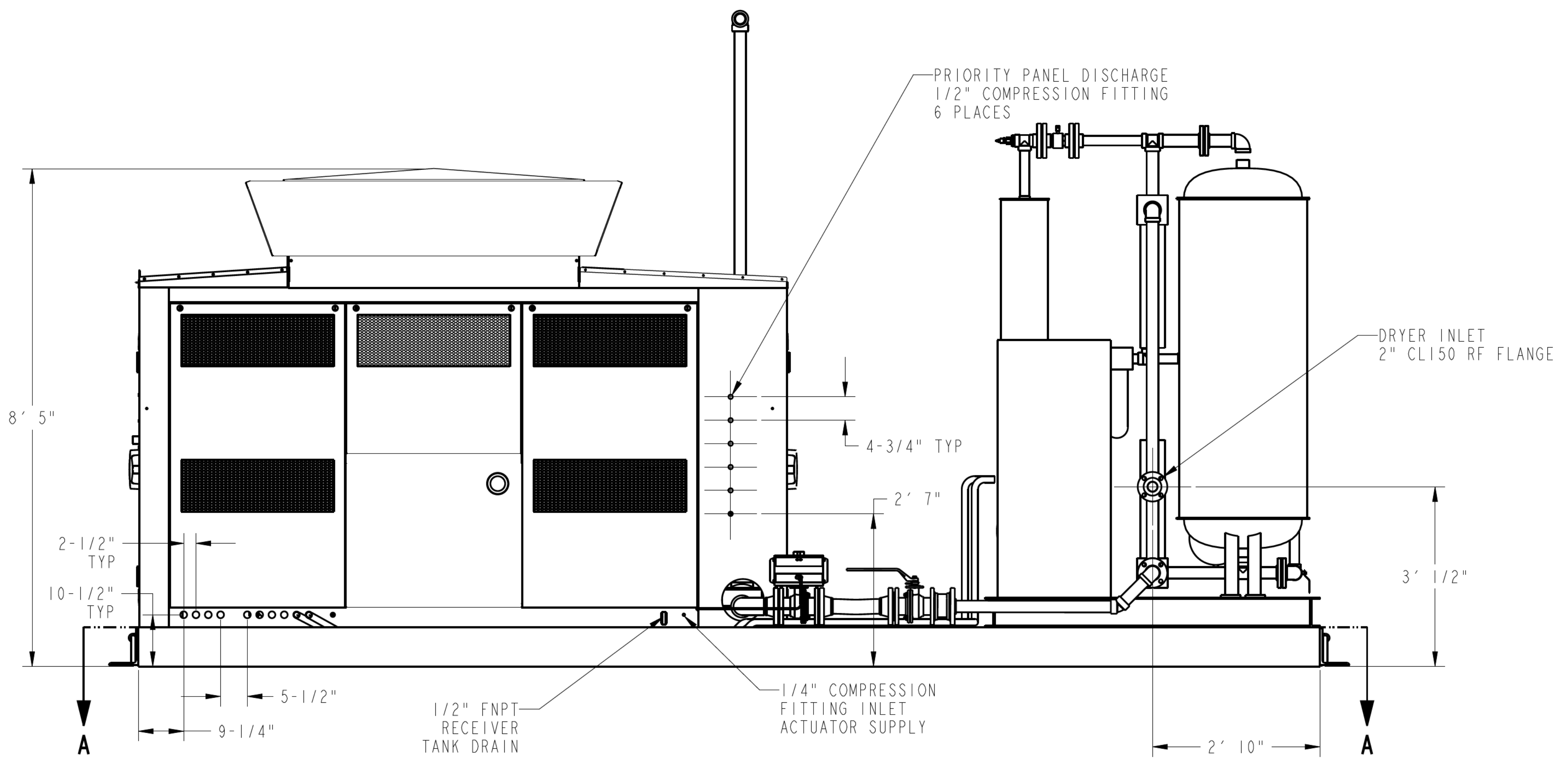
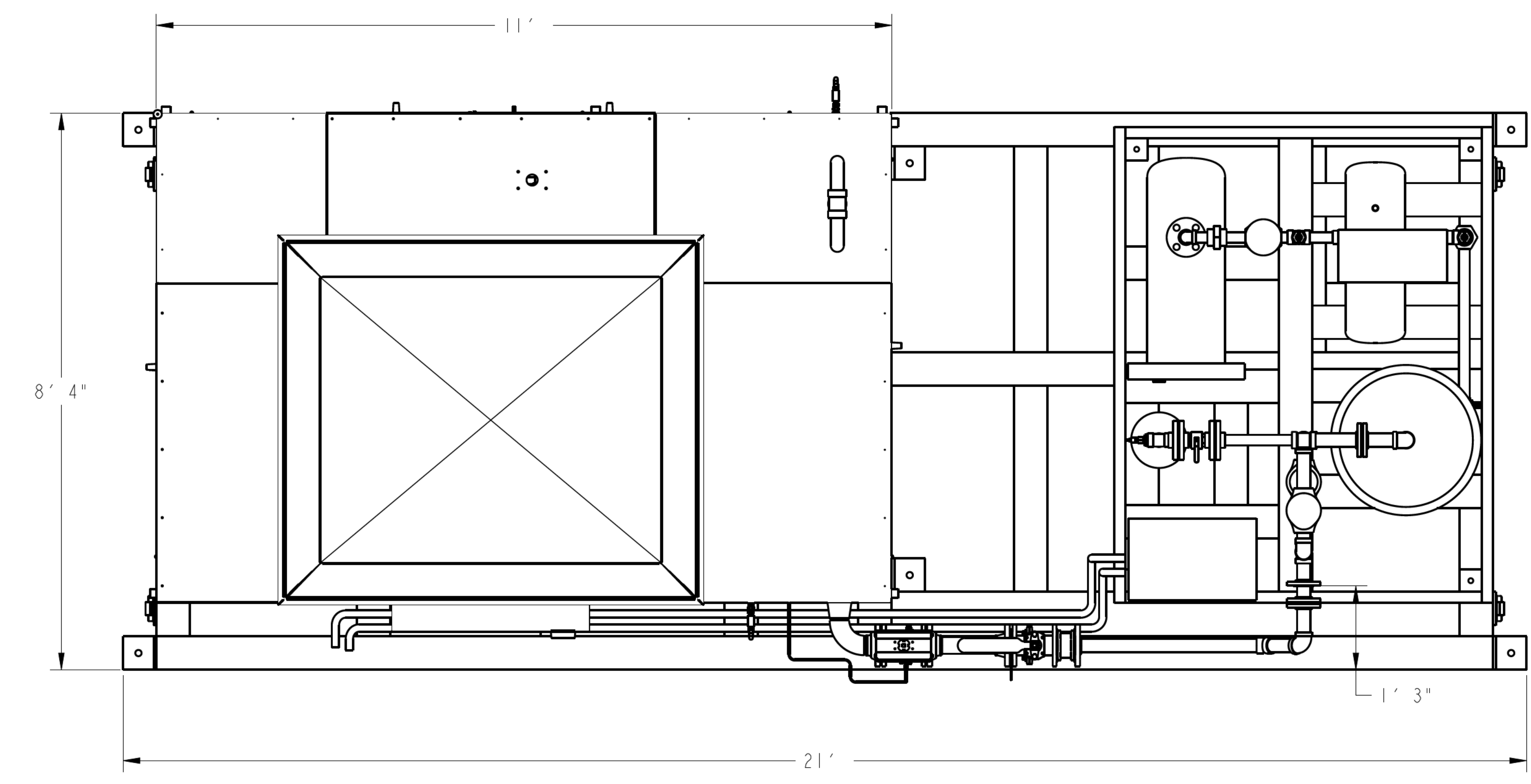
ANGI ENERGY SYSTEMS
15 PLUMB STREET
MILTON, WI 53563
PH: 608-868-4826
FX: 608-868-2723

UNLESS OTHERWISE SPECIFIED
BREAK SHARP EDGES
ALL DIMENSIONS IN INCHES
FRACTIONAL ±.125
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1°

TITLE GENERAL LAYOUT-NG300E4Q W/ENCL. AND 2" CL150 INLET		CUSTOMER APACHE-CANADIAN	PROJECT NO. 40167
SHEET 2 of 5	SCALE 0.070	DRAWN BY JRS	DATE 5/24/2012
DRAWING NO. GAD-NG300E-GD-40167		REV. B	

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	ANGI ENERGY SYSTEMS 15 PLUMB STREET MILTON, WI 53563 PH: 608-868-4826 FX: 608-868-2723	UNLESS OTHERWISE SPECIFIED BREAK SHARP EDGES ALL DIMENSIONS IN INCHES FRACTIONAL ±.125 TWO PLACE DECIMAL ±.010 THREE PLACE DECIMAL ±.005 ANGLES ±1°	TITLE GENERAL LAYOUT-NG300ED4Q W/ENCL. AND 2" CL150 INLET CUSTOMER APACHE-CANADIAN PROJECT NO. 40167 SHEET 3 of 5 SCALE 0.063 DATE 5/24/2012 DRAWN BY JRS	DRAWING NO. GAD-NG300E-GD-40167 REV. B
	<small>THIS DRAWING AND INFORMATION THEREIN IS THE SOLE PROPERTY OF ANGI AND SHOULD NOT BE COPIED, REPRODUCED OR SUBMITTED TO OTHERS WITHOUT WRITTEN AUTHORIZATION. ALL REPRODUCTIONS ARE SUBJECT TO RETURN ON DEMAND.</small>			

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C

B

B

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2X 4' 8"

2X 8' 1"

7' 7"

2X 20' 3-1/4"

16' 8-3/4"

13' 3-1/4"

2X 8' 8-3/4"

1' 5"

2X 3" 0"

2X 3-1/4" 0"

SECTION A-A



UNLESS OTHERWISE SPECIFIED
BREAK SHARP EDGES
ALL DIMENSIONS IN INCHES
FRACTIONAL ±.125
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1°

TITLE GENERAL LAYOUT-NG300ED4Q W/ENCL. AND 2" CL150 INLET	
CUSTOMER APACHE-CANADIAN	PROJECT NO. 40167
SHEET 4 of 5	SCALE 0.100
DRAWN BY JRS	DATE 5/24/2012
DRAWING NO. GAD-NG300E-GD-40167	REV. B

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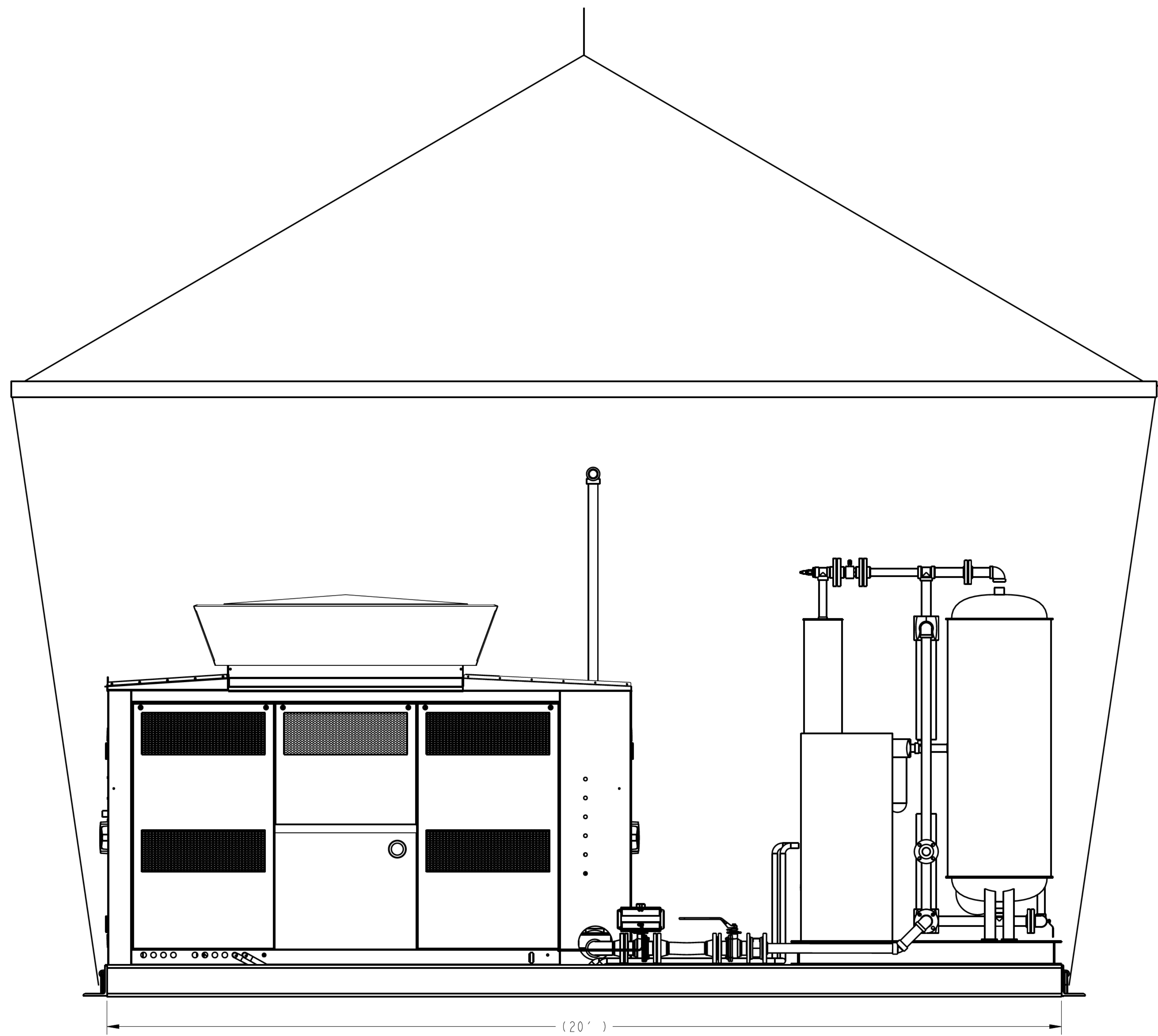
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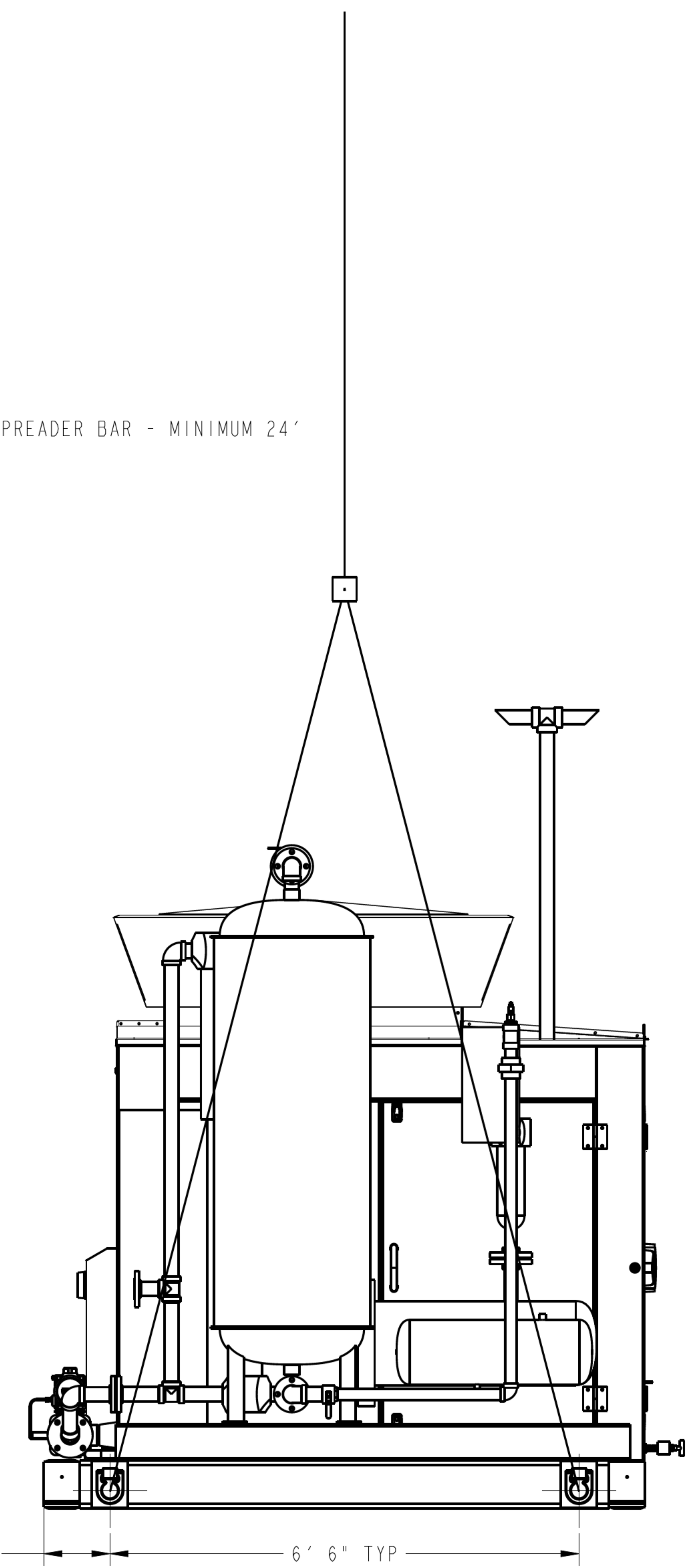
2

1

NOTES:
ESTIMATED WEIGHT = 20,000 LBS



SPREADER BAR - MINIMUM 24'



LIFTING DETAIL
SCALE 0.063

<p>ANGI ENERGY SYSTEMS 15 PLUMB STREET MILTON, WI 53563 PH: 608-868-4826 FX: 608-868-2723</p> <p>UNLESS OTHERWISE SPECIFIED BREAK SHARP EDGES ALL DIMENSIONS IN INCHES FRACTIONAL ±.125 TWO PLACE DECIMAL ±.010 THREE PLACE DECIMAL ±.005 ANGLES ±1°</p> <p>THIS DRAWING AND INFORMATION THEREIN IS THE SOLE PROPERTY OF ANGI AND SHOULD NOT BE COPIED, REPRODUCED OR SUBMITTED TO OTHERS WITHOUT WRITTEN AUTHORIZATION. ALL REPRODUCTIONS ARE SUBJECT TO RETURN ON DEMAND.</p>	<p>TITLE GENERAL LAYOUT-NG300ED4Q W/ENCL. AND 2" CLI50 INLET</p>	
	<p>CUSTOMER APACHE-CANADIAN</p>	<p>PROJECT NO. 40167</p>
	<p>SHEET 5 of 5</p>	<p>SCALE 0.063</p>
	<p>DRAWN BY JRS</p>	<p>DATE 5/24/2012</p>
		<p>DRAWING NO. GAD-NG300E-GD-40167</p>
		<p>REV. B</p>

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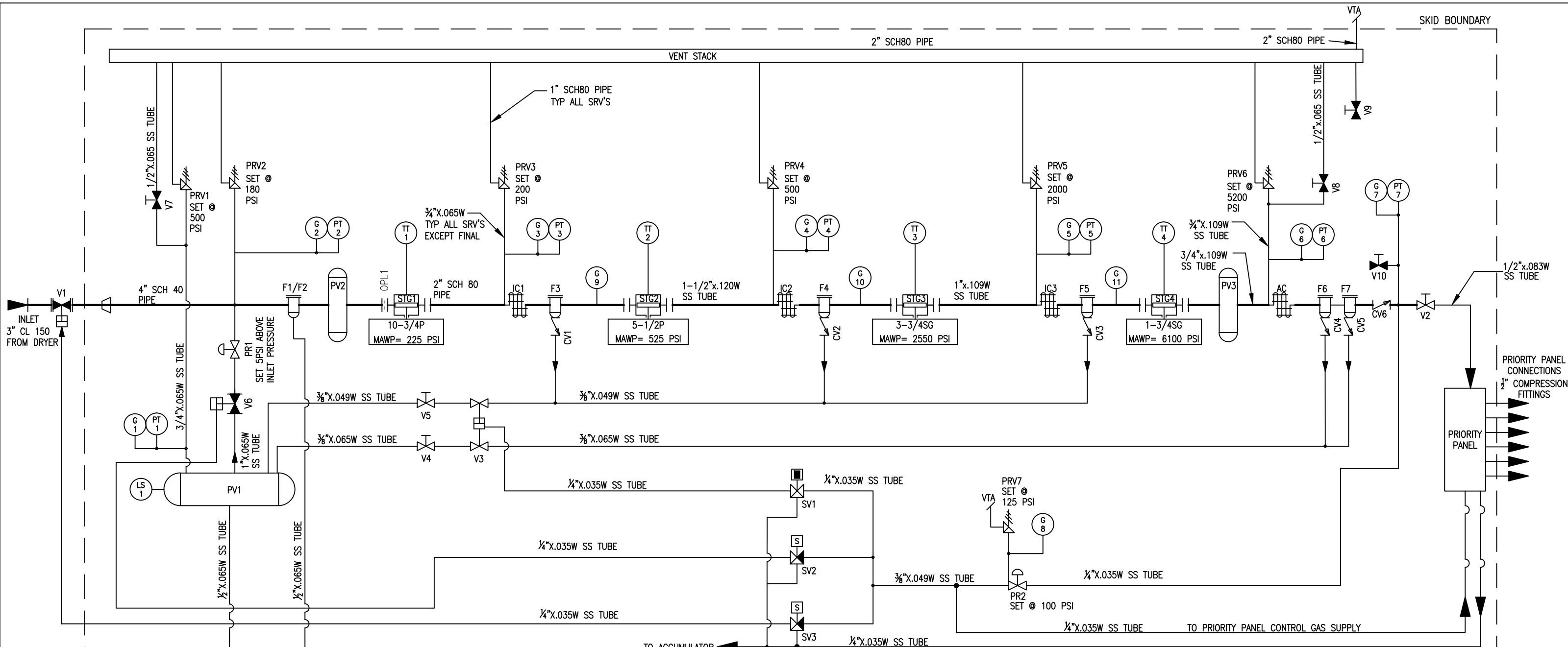
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2

1



DESIGNATOR	PART NUMBER	TOTAL QTY	DESCRIPTION
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	339-02423	2	VALVE-BALL HOKE 1/4 6000# SS (MV2)
V3	334-07322	1	VALVE/ACT-HOKE (2) 3/8 NO 5000# (MV124)
V2	334-07362	1	VALVE-BALL SVF 1/2 6000# W/LOCK (MV166)
V1	334-07494	1	VALVE/ACT-SVF 4CL150 CS (MV283)
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	B02-88-001	1	PULSATION BOTTLE, 218CU-IN, 6100# MAWP
PV2	B02-14-014	1	PULSATION BOTTLE, 1910CU-IN, 275# MAWP

DESIGNATOR	PART NUMBER	TOTAL QTY	DESCRIPTION
PV1	944-07263	1	TANK-VERT 100GAL 600# (PV80)
PT6-7	410-07282	2	TRANSD-AST 0-6000# IS/UL (PT50)
PT5	410-07281	1	TRANSD-AST 0-3000# IS/UL (PT49)
PT4	410-07279	1	TRANSD-AST 0-1000# IS/UL (PT47)
PT3	410-07277	1	TRANSD-AST 0-300# IS/UL (PT45)
PT2	410-07276	1	TRANSD-AST 0-100# IS/UL (PT44)
PT1	410-07278	1	TRANSD-AST 0-600# IS/UL (PT46)
PRV7	331-04522	1	VALVE-RELIEF 125# 1/4 ASME CSEAL (SRV37)
PRV6	331-08052	1	VALVE-RELIEF 5200# C-ORF MERCER (SRV152)
PRV5	331-08040	1	VALVE-RELIEF 2000# C-ORF MERCER (SRV140)
PRV3	331-08007	1	VALVE-RELIEF 200# E-ORF MERCER (SRV107)
PRV2	331-08159	1	VALVE-RELIEF 180# E-ORF MERCER (SRV251)
PRV1, 4	331-08019	2	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#SPR 3/8ORF 627 (PR156)
OPL1	R1052	1	ORIFICE-PLATE 3 CL300 (2.14" HOLE)
LS1	485-02138	1	SWITCH-RECLVL MPHY L1100 EX1.5 (LLS7)

DESIGNATOR	PART NUMBER	TOTAL QTY	DESCRIPTION
G9	741-07331	1	GAUGE-PRES 300#/B LM GF WIKA (G77)
G8	741-07240	1	GAUGE-PRES 200#/B BM PM GF WIKA (G22)
G6-G7	741-07289	2	GAUGE-PRES 10000#/B BM PM GF WIKA (G57)
G5, G11	741-07245	2	GAUGE-PRES 3000#/B BM PM GF WIKA (G27)
G4,10	741-07251	2	GAUGE-PRES 1000#/B BM PM GF WIKA (G33)
G3	741-07241	1	GAUGE-PRES 300#/B BM PM GF WIKA (G23)
G2	741-07240	1	GAUGE-PRES 200#/B BM PM GF WIKA (G22)
G1	741-07243	1	GAUGE-PRES 600#/B BM PM GF WIKA (G25)
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	770-07239	1	ELEMENT-RSDL 13" GR10 SS MESH (F30)
F1	770-07267	1	FILTER-RSDL 4 CL150 W/O ELEMENT (F49)
CV6	336-07260	1	VALVE-CHECK HOKE 1/2 6000# (CV50)
CV1-CV5	336-07266	5	VALVE-CHECK HOKE 3/8 SS 6000# (CV55)

REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION
A	8/17/2012 JRS	ADDED PULSATION BOTTLES			

ANGI ENERGY SYSTEMS
 ANGI ENERGY SYSTEMS
 15 PLUMB STREET
 MILTON, WI 53563
 PH: 608-868-4626
 FX: 608-868-2723

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 BREAK SHARP EDGES
 ALL DIMENSIONS IN INCHES

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

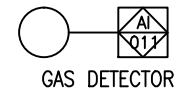
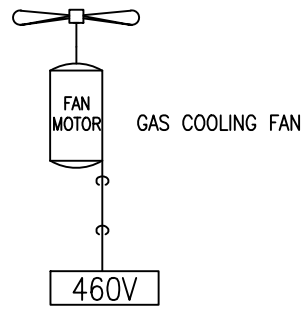
TITLE: 2 THROW, 4 STAGE NG150E COMPRESSOR PIPING SYSTEM

CUSTOMER: APACHE-CANADIAN, PERRYTON PROJECT NO. 40167, 40170

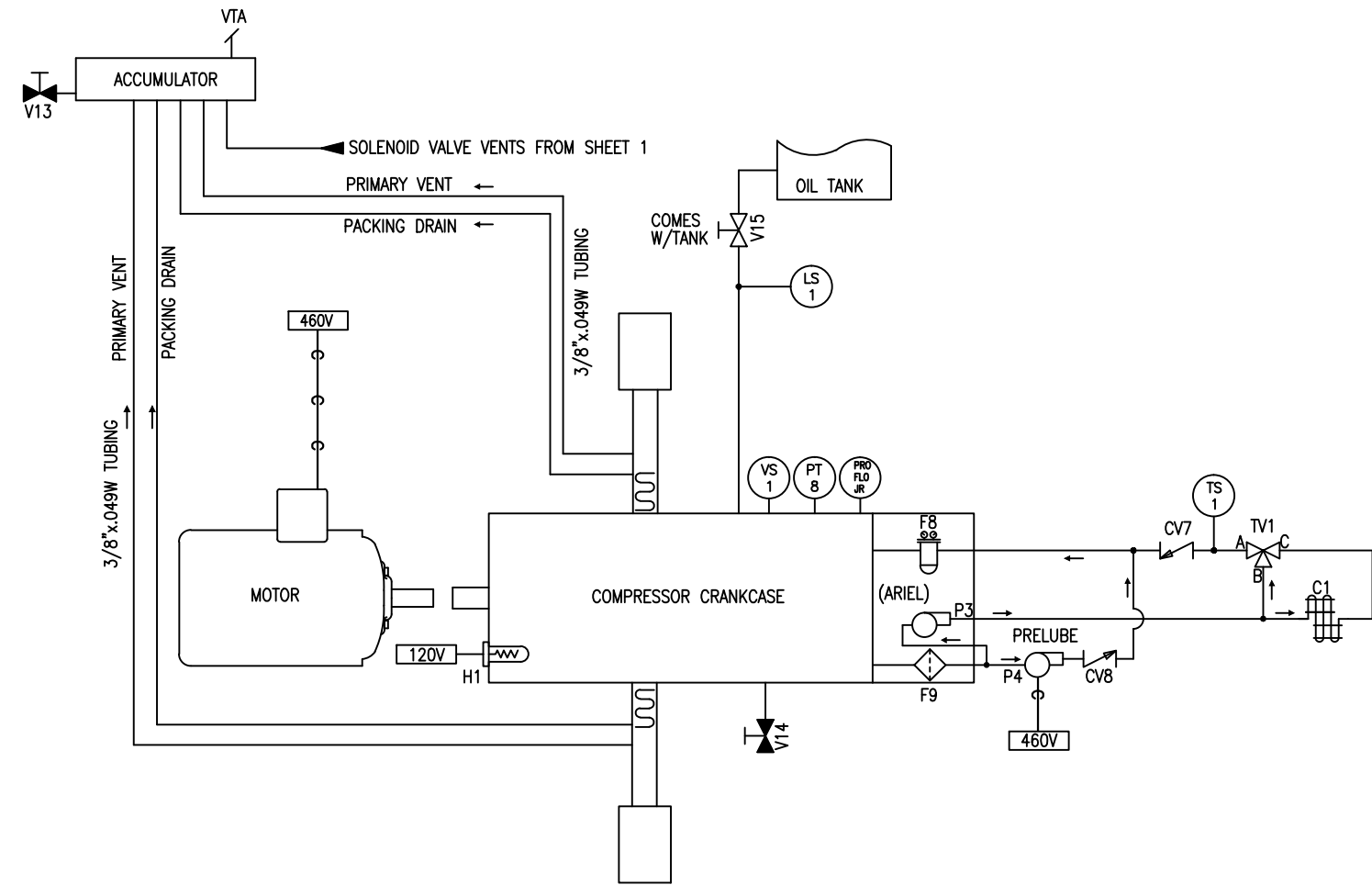
SHEET: 1/3 SCALE: NA DRAWING NO. A05-20-40167

DRAWN BY: JRS DATE: 5/9/12

REV: A



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



DESIGNATOR	PART NUMBER	TOTAL QTY	DESCRIPTION
-	940-07237	1	TANK-OIL RESERVOIR 5 GAL 1/2FNPT
V15	334-07264	1	VALVE-BALL 1/2 BRONZE
V14	334-07264	1	VALVE-BALL 1 600# W/LKG HDL BRONZE (MV74)
V13	334-07284	1	VALVE-BALL 1/4 SS 600# W/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)
PT7	410-07278	1	TRANSDUCER-PRESS AST 0-100# IS/UL (PT44)
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)

REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION
A	8/17/2012 JRS	ADDED PULSATION BOTTLES			



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ALL DIMENSIONS IN INCHES

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

TITLE		CUSTOMER		PROJECT NO.	
2 THROW, 4 STAGE NG150E COMPRESSOR COMPRESSOR LUBRICATION SYSTEM		APACHE-CANADIAN, PERRYTON		40167, 40170	
SHEET	SCALE	DRAWING NO.	REV.		
2/2	NA	A05-20-40167	A		
DRAWN BY	DATE				
JRS	7/17/12				

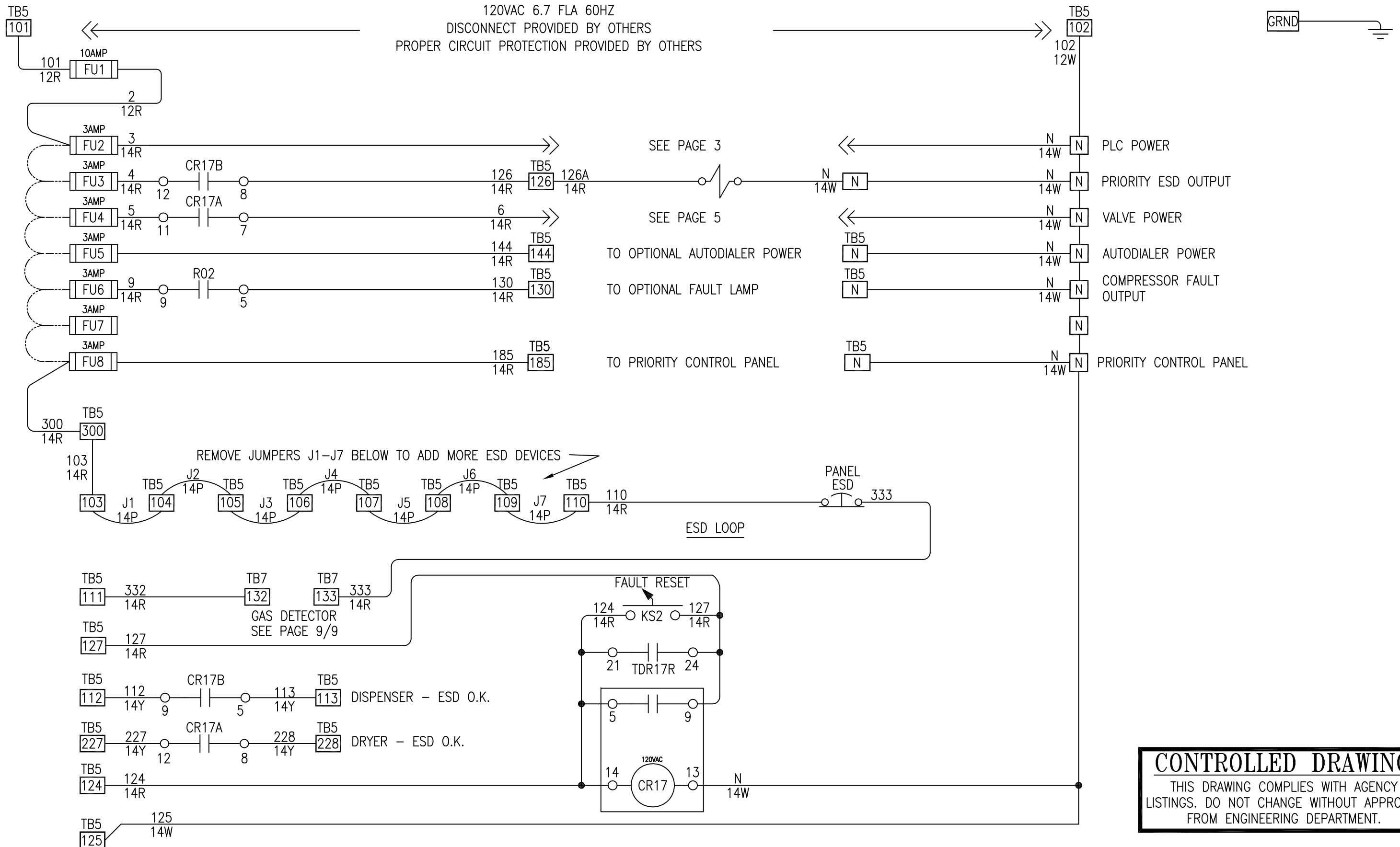


Compressor Setpoints

40167

	RECIP COMPRESSOR	PID #	DEVICE RANGE	NORMAL OPERATING	SET LOW	SET HIGH	RELIEF VALVE SETTING	START	STOP
AI001	INLET PRESSURE	PT 2	0-300 PSI	25-32 PSI	10 PSI	39 PSI	180		
AI002	FINAL DISCHARGE PRESSURE	PT 7	0-6000 PSI	4500 PSI	-100 PSI	4800 PSI		3600	4500
AI003	COMPRESSOR OIL PRESSURE	PT 8	0-100 PSI	60 PSI	35 PSI	100 PSI			
AI004	RECEIVER TANK PRESSURE	PT 1	0-600 PSI	30-37 PSI	-100 PSI	450 PSI	500		
AI005	STAGE 1 DISCHARGE PRESSURE	PT 3	0-300 PSI	115-138 PSI	-100 PSI	175 PSI	200		
AI006	STAGE 2 DISCHARGE PRESSURE	PT 4	0-1000 PSI	338-391 PSI	-100 PSI	450 PSI	500		
AI007	STAGE 3 DISCHARGE PRESSURE	PT 5	0-3000 PSI	1204-1351 PSI	-100 PSI	1800 PSI	2000		
AI008	STAGE 4 DISCHARGE PRESSURE	PT 6	0-6000 PSI	4545 PSI	-100 PSI	4800 PSI	5200		
AI009	SPARE								
AI010	SPARE								
AI011	GAS DETECTOR		100% LEL	0-5% LEL	5% LEL	40% LEL			
AI012	LOW BANK PRESSURE		6000	4500	-100	4800			
AI013	MID BANK PRESSURE		6000	4500	-100	4800			
AI014	HIGH BANK PRESSURE		6000	4500	-100	4800			
AI015	RESERVED								
AI016	STAGE 1 DISCHARGE TEMPERATURE	TT 1	32-392 °F	245-246 °F	-40 °F	296 °F			
AI017	STAGE 2 DISCHARGE TEMPERATURE	TT 2	32-392 °F	291-293 °F	-40 °F	343 °F			
AI018	STAGE 3 DISCHARGE TEMPERATURE	TT 3	32-392 °F	332-335 °F	-40 °F	360 °F			
AI019	STAGE 4 DISCHARGE TEMPERATURE	TT 4	32-392 °F	316-335 °F	-40 °F	360 °F			
AI020	SPARE								
I009	RECEIVER LIQUID LEVEL		N/A	-	AT SWITCH	-			
I010	COMPRESSOR OIL LEVEL		N/A	-	SIGHT GLASS	-			
I011	COMPRESSOR OIL NO FLOW SWITCH		(2 MINUTE TIMER)	-	>2 MINUTES	-			
I012	COMPRESSOR OIL TEMPERATURE		190 °F	110 °F	-	180 °F			
I013	COMPRESSOR VIBRATION SWITCH		N/A	-	-	-			
I014	SPARE		N/A	-	-	-			
I015	RESERVED (SCROLL KEYSWITCH)		N/A	-	-	-			

120VAC 6.7 FLA 60HZ
 DISCONNECT PROVIDED BY OTHERS
 PROPER CIRCUIT PROTECTION PROVIDED BY OTHERS



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



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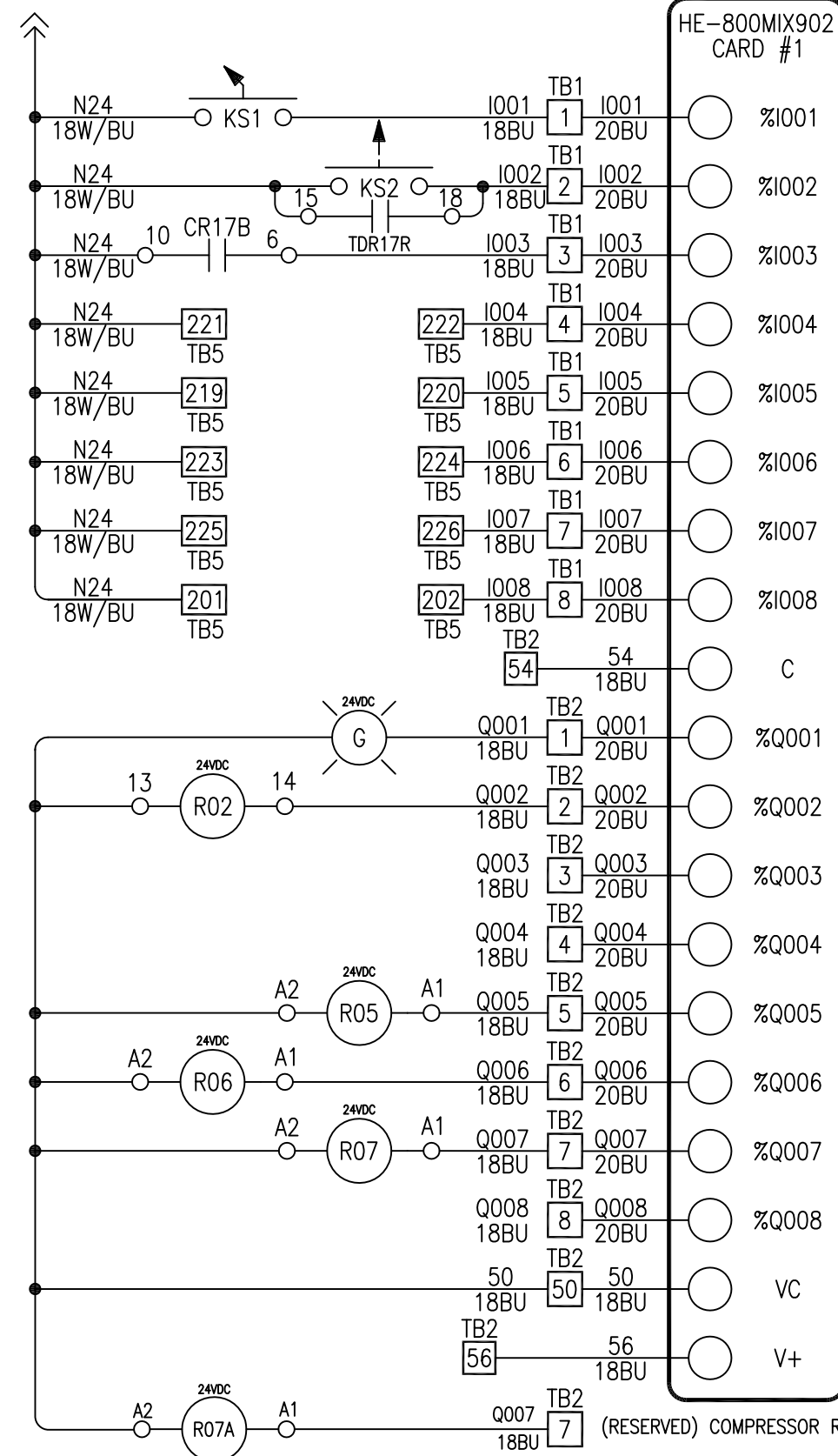
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 TWO PLACE DECIMAL ±.010
 THREE PLACE DECIMAL ±.005
 ANGLES ±1'

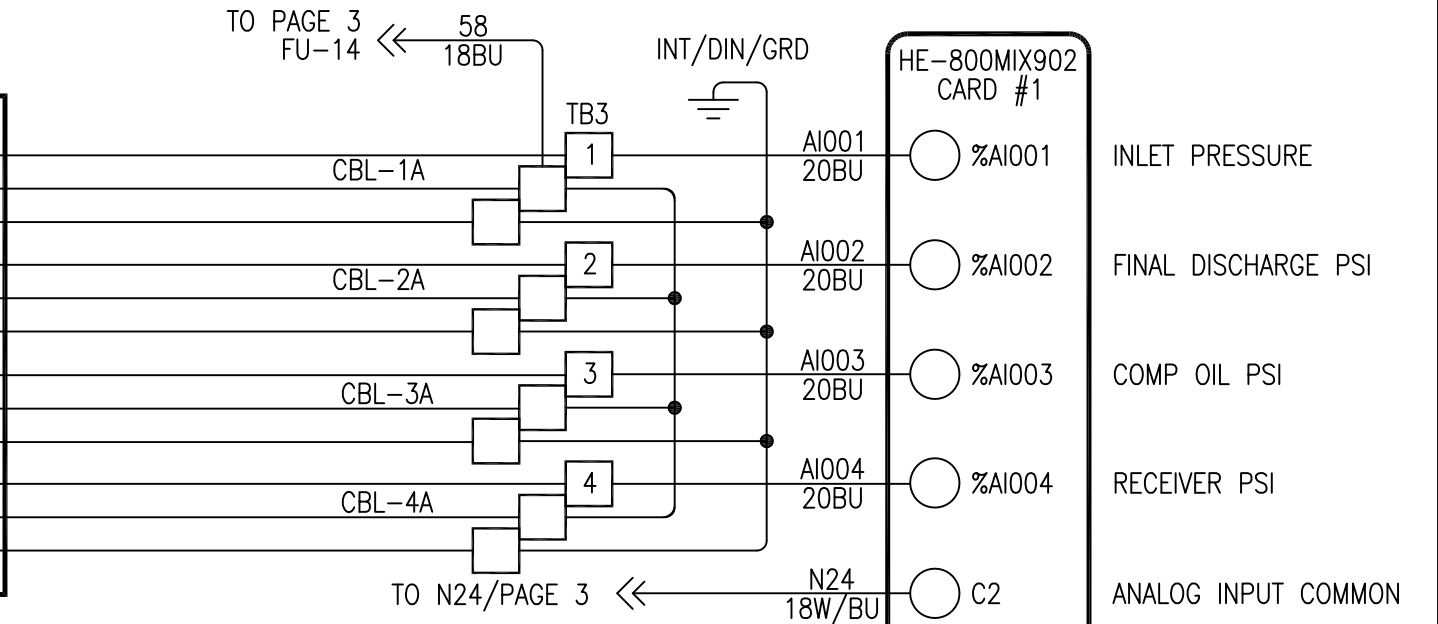
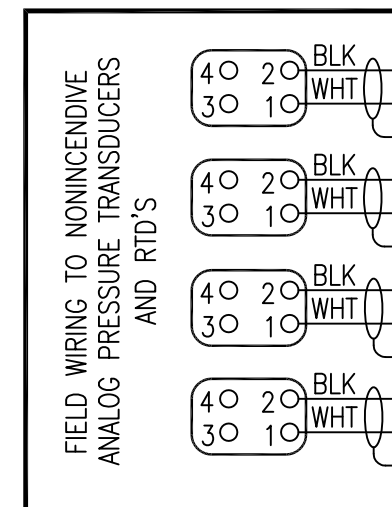
TITLE		RX 371-ELECTRICAL SCHEMATIC/ELECTRIC DRIVE ARIEL FOUR STAGE/COMPRESSOR UNIT CONTROL PANEL	
CUSTOMER		Apache Corporation-Canadian, TX	PROJECT NO. 40167-01
SHEET	2/9	SCALE	1:1
DRAWN BY	NDA	DATE	6/26/12
DRAWING NO.		A80-10-40167-01	
REV.		-	

REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION
*					

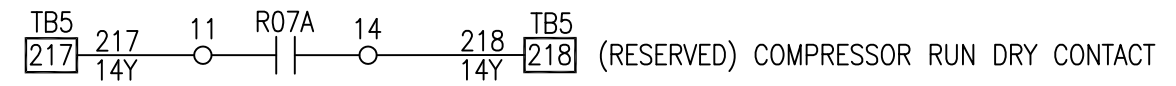
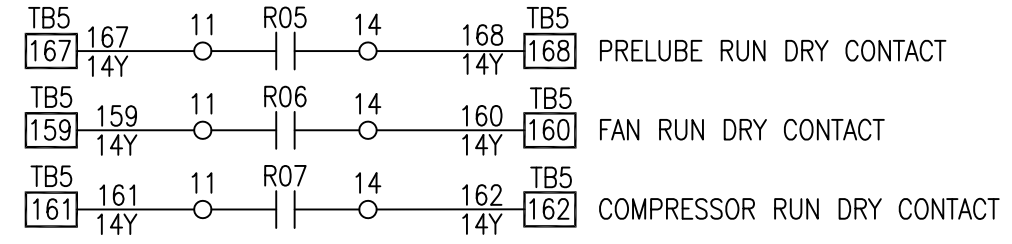
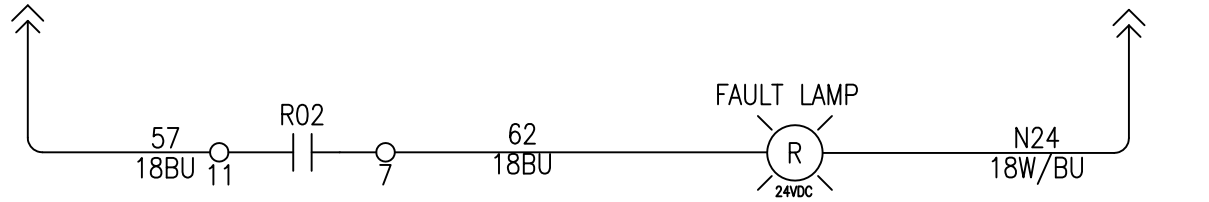
TO N24
SEE PAGE 3



- I001 OFF/ON KEYSWITCH
- I002 RESET KEYSWITCH
- I003 ESD SHUTDOWN
- I004 GENERATOR ACTIVE
- I005 UPS ACTIVE
- I006 PRELUBE RUNNING
- I007 FAN RUNNING
- I008 COMPRESSOR RUNNING
- C C
- Q001 RUN LAMP
- Q002 FAULT LAMP
- Q003 SPARE
- Q004 SPARE
- Q005 PRELUBE RUN
- Q006 FAN RUN
- Q007 COMPRESSOR RUN
- Q008 SPARE
- VC VC
- V+ V+



TO FU-13
SEE PAGE 3



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REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION

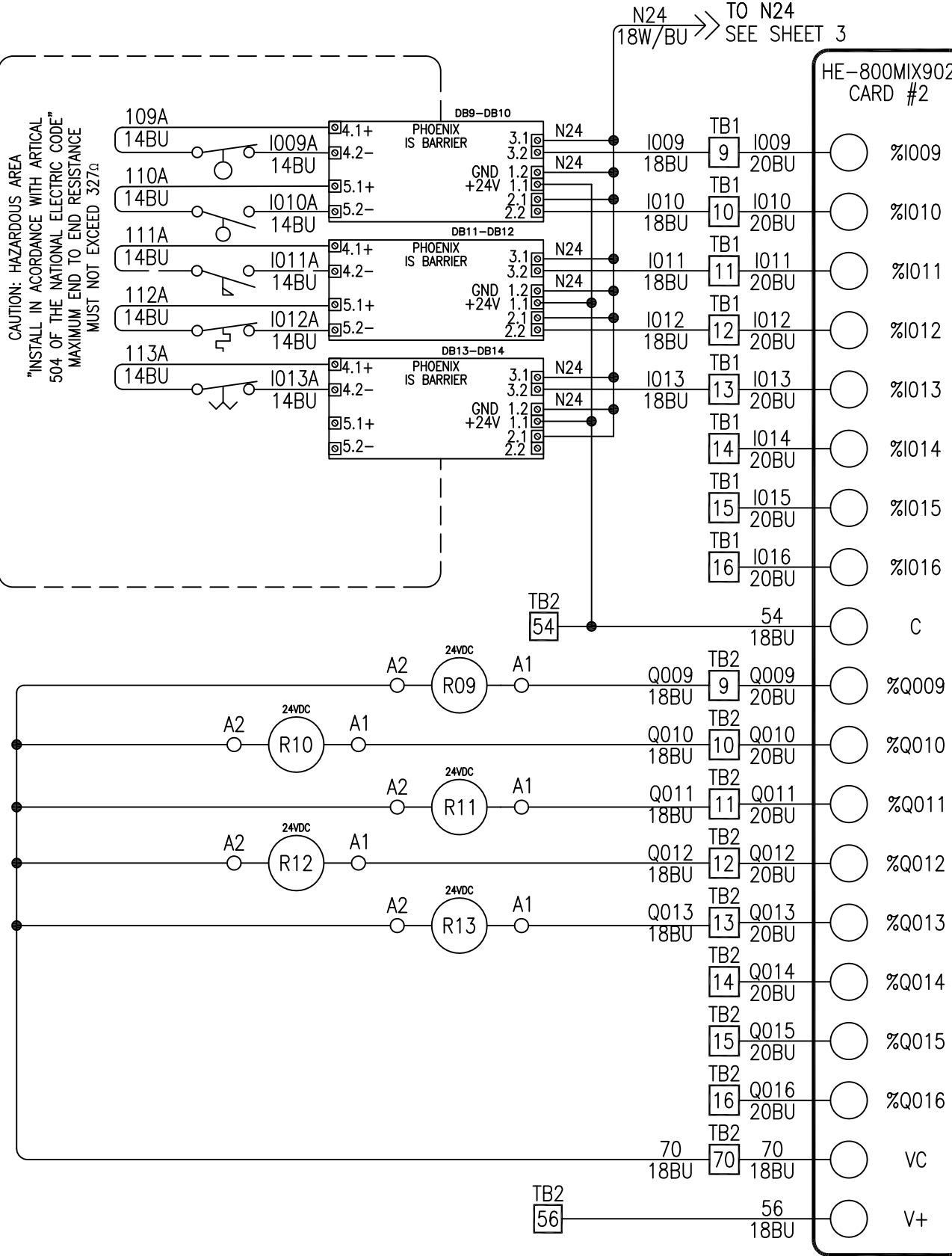
ANGI ENERGY SYSTEMS
15 PLUMB STREET
MILTON, WI 53563
PH: 608-868-4626
FX: 608-868-2723

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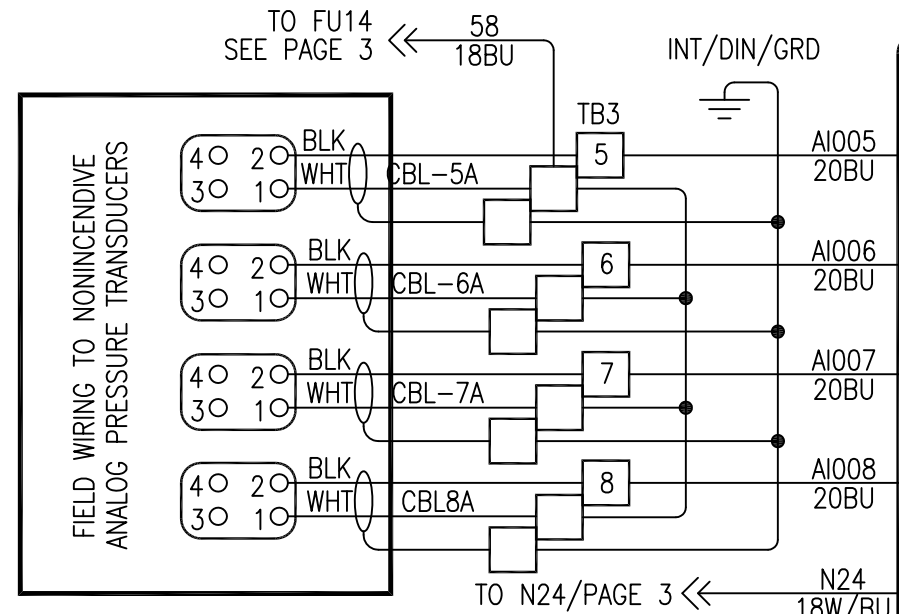
UNLESS OTHERWISE SPECIFIED
BREAK SHARP EDGES
ALL DIMENSIONS IN INCHES
FRACTIONAL ±.125
TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1'

TITLE RX 371-ELECTRICAL SCHEMATIC/ELECTRIC DRIVE ARIEL FOUR STAGE/COMPRESSOR UNIT CONTROL PANEL			
CUSTOMER Apache Corporation-Canadian, TX		PROJECT NO. 40167-01	
SHEET 4/9	SCALE 1:1	DRAWING NO. A80-10-40167-01	REV. -
DRAWN BY NDA		DATE 6/26/12	

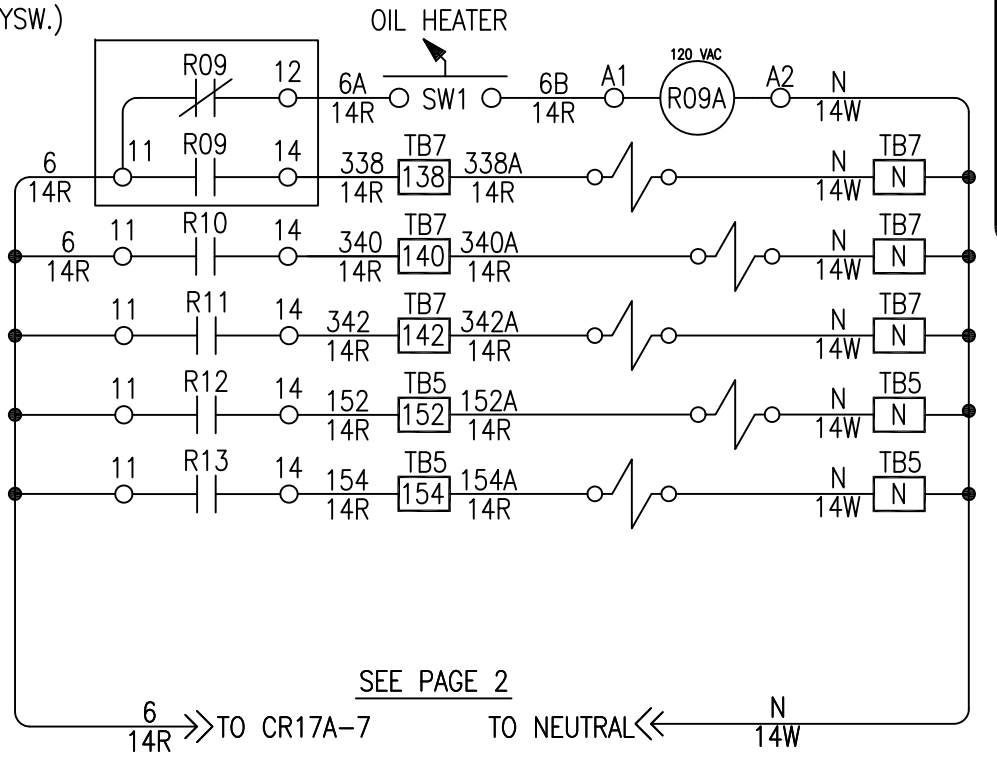
CAUTION: HAZARDOUS AREA
 *INSTALL IN ACCORDANCE WITH ARTICAL
 504 OF THE NATIONAL ELECTRIC CODE*
 MAXIMUM END TO END RESISTANCE
 MUST NOT EXCEED 327Ω



- HE-800MIX902
CARD #2
- 9 I009 RECEIVER LIQUID LEVEL
 - 10 I010 COMPRESSOR OIL LEVEL
 - 11 I011 OIL NO FLOW SWITCH
 - 12 I012 COMP OIL TEMP
 - 13 I013 COMP VIBRATION SWITCH
 - 14 I014 SPARE
 - 15 I015 SPARE
 - 16 I016 RESERVED (SCROLL KEYSW.)
 - 54 C C
 - 9 Q009 INLET VALVE
 - 10 Q010 LOAD VALVE
 - 11 Q011 RECEIVER VALVE
 - 12 Q012 LOW BANK
 - 13 Q013 MID BANK
 - 14 Q014 SPARE
 - 15 Q015 SPARE
 - 16 Q016 SPARE
 - 70 VC VC
 - 56 V+ V+



- HE-800MIX902
CARD #2
- AI005 1ST STAGE PSI
 - AI006 2ND STAGE PSI
 - AI007 3RD STAGE PSI
 - AI008 4TH STAGE PSI
 - C2 ANALOG INPUT COMMON
 - %AQ003 NOT USED
 - %AQ004 NOT USED
 - C3 ANALOG OUTPUT COMMON



CONTROLLED DRAWING
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REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION

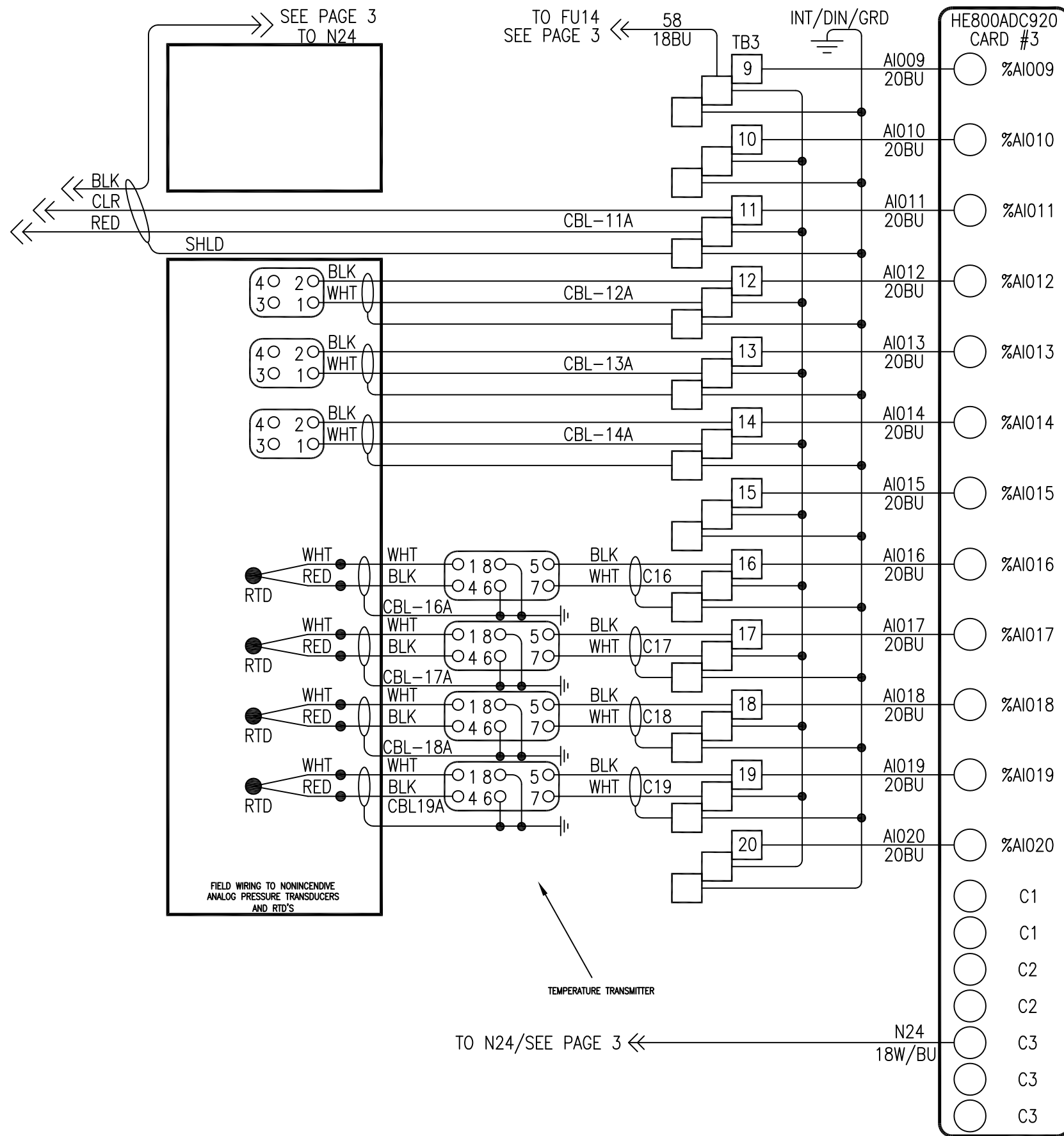
ANGI ENERGY SYSTEMS
 15 PLUMB STREET
 MILTON, WI 53563
 PH: 608-868-4626
 FX: 608-868-2723

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

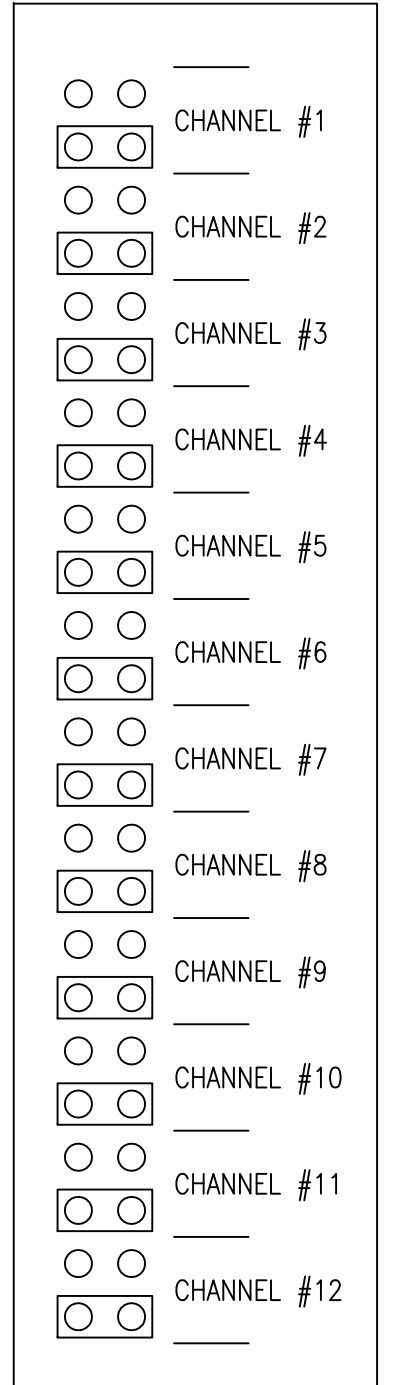
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TITLE RX 371-ELECTRICAL SCHEMATIC/ELECTRIC DRIVE ARIEL FOUR STAGE/COMPRESSOR UNIT CONTROL PANEL		CUSTOMER Apache Corporation-Canadian, TX		PROJECT NO. 40167-01	
SHEET 5/9	SCALE 1:1	DRAWING NO. A80-10-40167-01		REV. -	
DRAWN BY NDA		DATE 6/26/12			

GAS DETECTOR CONNECTIONS
SEE PAGE 9 FOR DETAILS



- GAS DETECTOR
- LOW BANK PSI
- MID BANK PSI
- HI BANK PSI
- RESERVED (FINAL TEMP-AFTER COOLED)
- 1ST STAGE TEMP
- 2ND STAGE TEMP
- 3RD STAGE TEMP
- 4TH STAGE TEMP
- THERMISTOR COMMON
- THERMISTOR COMMON
- 0-5VDC COMMON
- 0-5VDC COMMON
- 4-20ma COMMON
- 4-20ma COMMON
- 4-20ma COMMON



INPUT JUMPER CONFIGURATION

CONTROLLED DRAWING
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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 RX 371-ELECTRICAL SCHEMATIC/ELECTRIC DRIVE ARIEL FOUR STAGE/COMPRESSOR UNIT CONTROL PANEL		PROJECT NO. 40167-01	
CUSTOMER Apache Corporation-Canadian, TX		DRAWING NO. A80-10-40167-01	
SHEET 6/9	SCALE 1:1	DATE 6/26/12	REV. -
DRAWN BY NDA			

RESERVED FOR 4TH CARD

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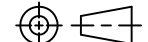
REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION



ANGI ENERGY SYSTEMS
 15 PLUMB STREET
 MILTON, WI 53563
 PH: 608-868-4626
 FX: 608-868-2723

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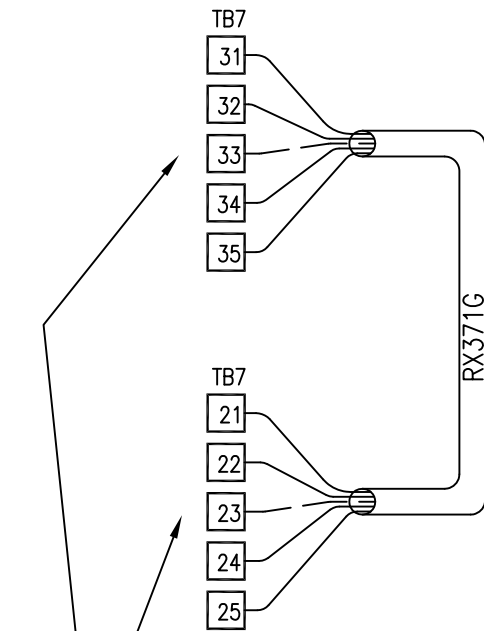
UNLESS OTHERWISE SPECIFIED



BREAK SHARP EDGES
 ALL DIMENSIONS IN INCHES

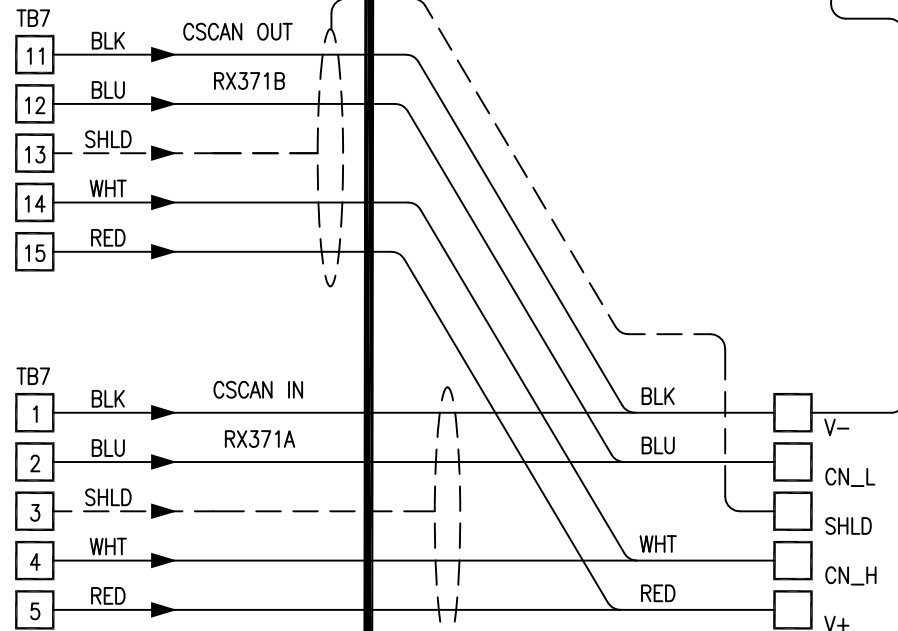
FRACTIONAL	±.125
TWO PLACE DECIMAL	±.010
THREE PLACE DECIMAL	±.005
ANGLES	±1°

TITLE		RX 371-ELECTRICAL SCHEMATIC/ELECTRIC DRIVE ARIEL FOUR STAGE/COMPRESSOR UNIT CONTROL PANEL	
CUSTOMER		Apache Corporation-Canadian, TX	PROJECT NO. 40167-01
SHEET	7/9	SCALE	1:1
DRAWN BY	NDA	DATE	6/26/12
DRAWING NO.		A80-10-40167-01	REV. -



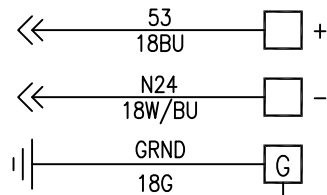
CsCAN COMMUNICATION INPUT SITE CONNECTION. SEE A80-50-40167 FOR DETAILS. CABLE NUMBERING MAY CHANGE PER APPLICATION.

ETHER NET TCP/IP
RTU MOD BUS PROTOCOL



RX371 OPERATOR INTERFACE

SEE PAGE 3
FU-10

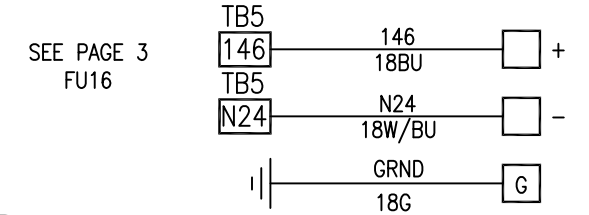
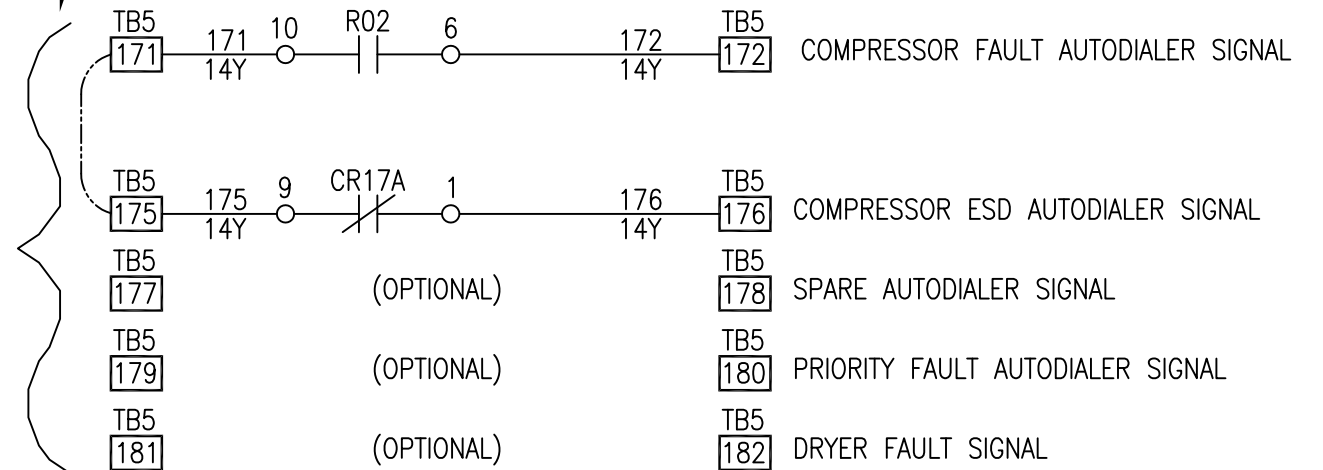


NOTE: 121 OHM RESISTOR INSTALLED ON 1ST AND LAST NODE OF OCS NETWORK
BELDEN 3084A OR EQUIVALENT

LAN
RJ45

CABLE BY PLC MANUFACTURER

SEE A80-50-40167 FOR SITE SPECIFIC DETAILS ON AUTODIALER COM JUMPER CONNECTIONS

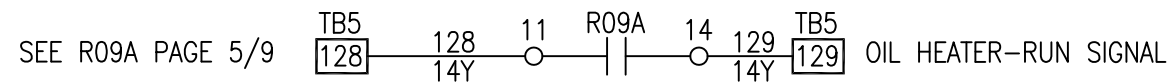


MODEM PORT

MODEM POWER



PLC POWER AND COMMUNICATIONS FIELD CONNECTION DETAILS



SEE R09A PAGE 5/9

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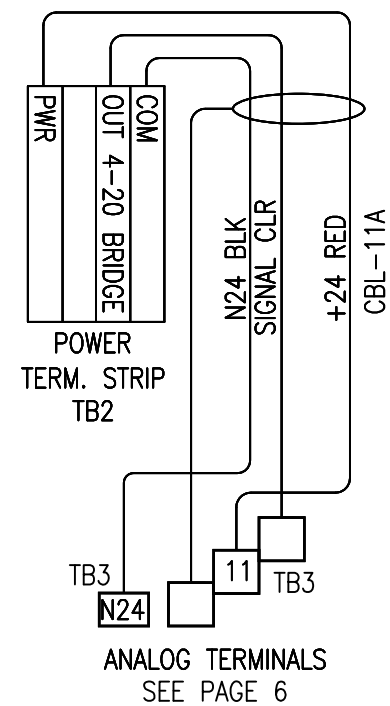
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TWO PLACE DECIMAL ±.010
THREE PLACE DECIMAL ±.005
ANGLES ±1'

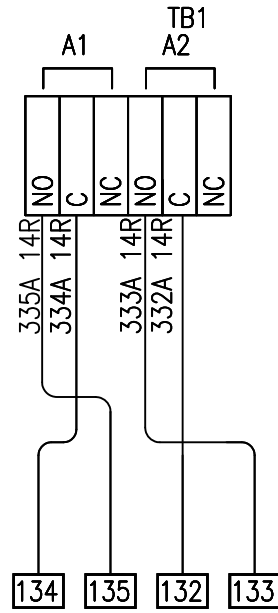
TITLE RX 371-ELECTRICAL SCHEMATIC/ELECTRIC DRIVE ARIEL FOUR STAGE/COMPRESSOR UNIT CONTROL PANEL			
CUSTOMER Apache Corporation-Canadian, TX		PROJECT NO. 40167-01	
SHEET 8/9	SCALE 1:1	DRAWING NO. A80-10-40167-01	REV. -
DRAWN BY NDA		DATE 6/26/12	

REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION

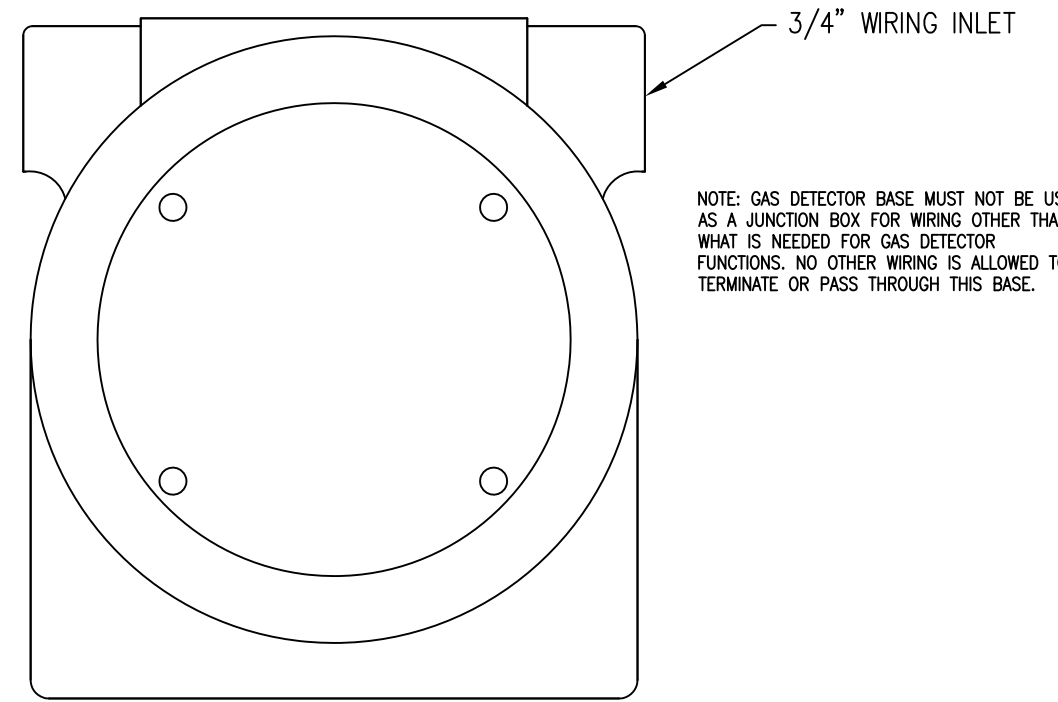
SCOTT FREEDOM 6000-IR
GAS DETECTOR WIRING



ANALOG TERMINALS
SEE PAGE 6



GAS DETECTOR TERMINALS TB7
SEE PAGE 2

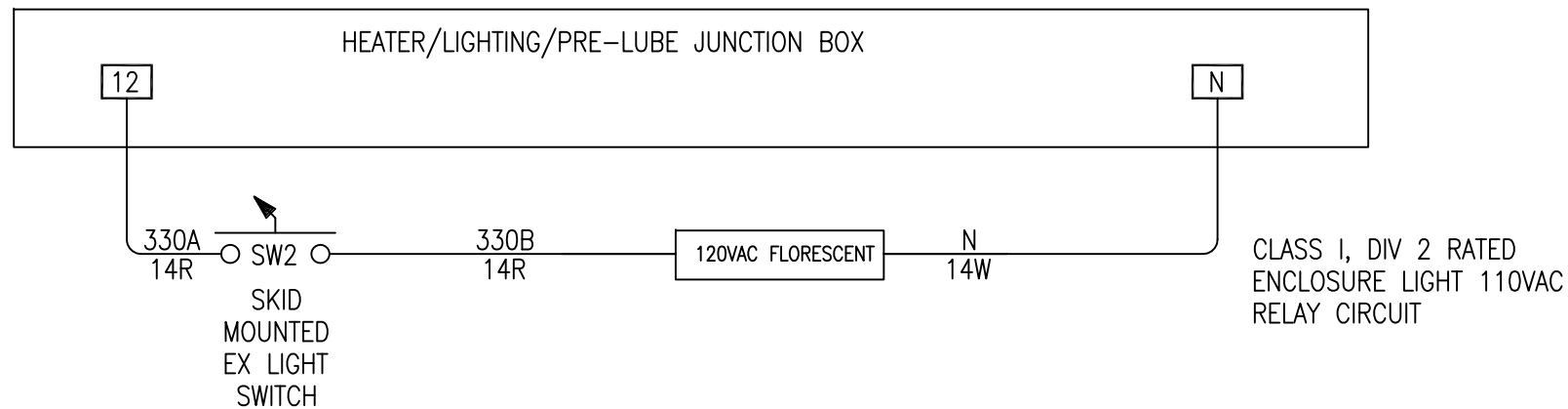


NOTE: GAS DETECTOR BASE MUST NOT BE USED AS A JUNCTION BOX FOR WIRING OTHER THAN WHAT IS NEEDED FOR GAS DETECTOR FUNCTIONS. NO OTHER WIRING IS ALLOWED TO TERMINATE OR PASS THROUGH THIS BASE.

GAS DETECTOR CIRCUIT

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

GAS DETECTOR WIRING DETAILS
(OPTIONAL)



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

TITLE		RX 371-ELECTRICAL SCHEMATIC/ELECTRIC DRIVE ARIEL FOUR STAGE/COMPRESSOR UNIT CONTROL PANEL	
CUSTOMER		Apache Corporation-Canadian, TX	PROJECT NO. 40167-01
SHEET	9/9	SCALE	1:1
DRAWN BY	NDA	DATE	6/26/12
DRAWING NO.		A80-10-40167-01	
REV.		-	


REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION

WIRE#	SIZE	COLOR TYPE	START	WIRE PATH	END	CONDUIT SIZE	WIRE#	SIZE	COLOR TYPE	START	WIRE PATH	END	CONDUIT SIZE
1T-1	350	AWG	P5 SS1-T1	C109A	M1		H7	14	AWG	P5 H7	C110A	D1 L1	
1T-2	350	AWG	P5 SS1-T2	C109A	M1		N7	14	AWG	P5 N7	C110A	D1 N	
1T-3	350	AWG	P5 SS1-T3	C109A	M1		GND	14	AWG	P5 GROUND	C110A	D1 GROUND	
GROUND	1/0	AWG	P5 GROUND	C109A	M1		H8	14	AWG	P5 H8	C110A	D2 L1	
3T-1	12	AWG	P5 MMS1-T1	C107A	J1 1		N8	14	AWG	P5 N8	C110A	D2 N	
3T-2	12	AWG	P5 MMS1-T2	C107A	J1 2		GND	14	AWG	P5 GROUND	C110A	D2 GROUND	
3T-3	12	AWG	P5 MMS1-T3	C107A	J1 3		H11	14	AWG	P5 H11	C110A	F1 L1	
GND	12	AWG	P5 GROUND	C107A	J1 GROUND		N11	14	AWG	P5 N11	C110A	F1 N	
2T-1	12	AWG	P5 MMS2-T1	C107A	J1 4		GND	14	AWG	P5 GROUND	C110A	F1 GROUND	
2T-2	12	AWG	P5 MMS2-T2	C107A	J1 5								
2T-3	12	AWG	P5 MMS2-T3	C107A	J1 6								
GND	14	AWG	P5 GROUND	C108A	J1 GROUND		7T-1	#8	AWG	P5 MS3-T1	C112A	P3 L1	
H5	14	AWG	P5 H5	C108A	J1 10		7T-2	#8	AWG	P5 MS3-T2	C112A	P3 L2	
N5	14	AWG	P5 N5	C108A	J1 N		7T-3	#8	AWG	P5 MS3-T3	C112A	P3 L3	
H4A	14	AWG	P5 H4A	C108A	J1 12		GND	#10	AWG	P5 GROUND	C112A	P3 GND	
N4A	14	AWG	P5 N4A	C108A	J1 N								
H1	12	AWG	P5 H1	C104A	P1 TB5-101		181B	14	AWG	P1 TB5-181	C106A	P3 51	
N1	12	AWG	P5 N1	C104A	P1 TB5-102		182B	14	AWG	P1 TB5-182	C106A	P3 52	
GND	12	AWG	P5 GROUND	C104A	P1 GROUND		217A	14	AWG	P1 TB5-217	C106A	P3 +	
112A	14	AWG	P5 216	C104A	P1 TB5-112		218A	14	AWG	P1 TB5-218	C106A	P3 14	
113A	14	AWG	P5 217	C104A	P1 TB5-113								
227A	14	AWG	P5 210	C104A	P1 TB5-227		144A	14	AWG	P1 TB5-144		P4 STICK-L1	
228A	14	AWG	P5 211	C104A	P1 TB5-228		N	14	AWG	P1 TB5-N		P4 STICK-N	
128A	14	AWG	P5 128	C104A	P1 TB5-128		GND	14	AWG	P1 GROUND		P4 STICK-G	
129A	14	AWG	P5 129	C104A	P1 TB5-129		171A	14	AWG	P1 TB5-171		P4 AUT-COM	
159A	14	AWG	P5 159	C104A	P1 TB5-159		172A	14	AWG	P1 TB5-172		P4 AUT-IN2	
160A	14	AWG	P5 160	C104A	P1 TB5-160								
161A	14	AWG	P5 161	C104A	P1 TB5-161		175A	14	AWG	P1 TB5-175		P4 AUT-COM	
162A	14	AWG	P5 162	C104A	P1 TB5-162		176A	14	AWG	P1 TB5-176		P4 AUT-IN1	
167A	14	AWG	P5 167	C104A	P1 TB5-167		181A	14	AWG	P1 TB5-181		P4 AUT-COM	
168A	14	AWG	P5 168	C104A	P1 TB5-168		182A	14	AWG	P1 TB5-182		P4 AUT-IN6	
201A	14	AWG	P5 201	C104A	P1 TB5-201		146A	14	AWG	P1 TB5-146		P4 FL/SWI	
202A	14	AWG	P5 202	C104A	P1 TB5-202		N24	14	AWG	P1 TB5-N24		P4 FL/SWI	
223A	14	AWG	P5 223	C104A	P1 TB5-223		GND	14	AWG	P1 GROUND		P4 FL/SWI	
224A	14	AWG	P5 224	C104A	P1 TB5-224								
225A	14	AWG	P5 225	C104A	P1 TB5-225		SCA6	CBL	ETHERNET	P1 RX371	C101A	P4 FL/SWI	
226A	14	AWG	P5 226	C104A	P1 TB5-226								
103A	14	AWG	P1 TB5-103	C102A	SITE ESD1		SCA4	CBL	ETHERNET	CUS COMP	C301	P4 FL/SWI	
104A	14	AWG	P1 TB5-104	C102A	SITE ESD1		PH1	NA	PHONE	NA UTILITY	C301	P4 STICK	
105A	14	AWG	P1 TB5-105	C102A	DISP ESD2	ESD1 C102B	PH2	NA	PHONE	NA SPARE	C301	P4 STICK	
106A	14	AWG	P1 TB5-106	C102A	DISP ESD2	ESD1 C102B	PH3	NA	PHONE	P4 MODEM		P4 STICK	
							PH4	NA	PHONE	P4 AUTODIAL		P4 STICK	

NOTE: 10% SPARES MUST BE INCLUDED AND CLEARLY LABELED IN CONDUIT RUNS WHENEVER POSSIBLE

NOTE: WIRE AND CONDUIT ARE SIZED TO MEET NEC STANDARDS. DIFFERENT SIZING REQUIREMENTS MAY EXIST IN YOUR AREA AND MAY VARY ACCORDING TO THE AVAILABILITY OF MATERIALS AND THE AUTHORITY HAVING JURISDICTION

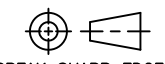
REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION
A	9/4/12 PJH	UPDATE TERMINAL NUMBERS TO MATCH MOTOR STARTER DWG			



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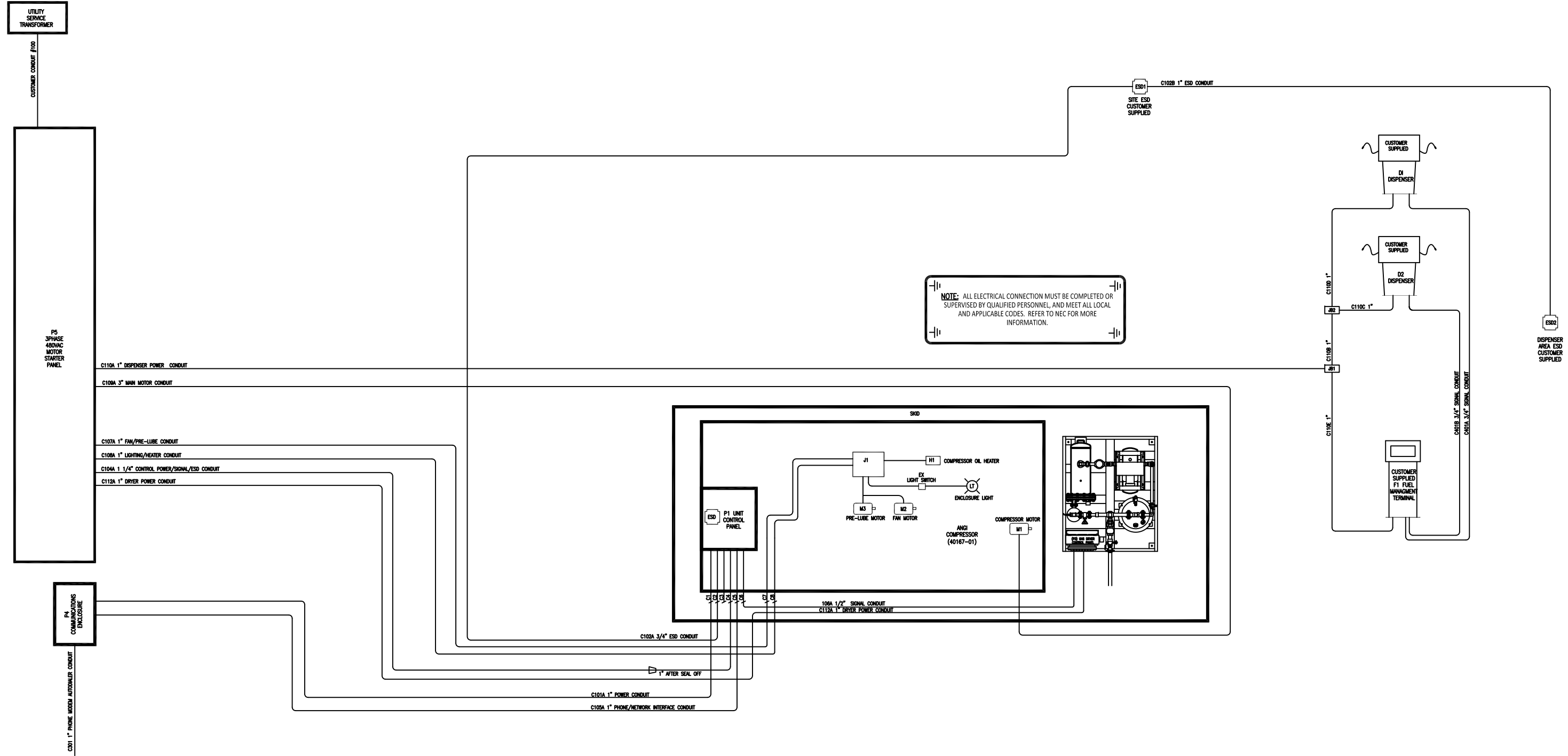
BREAK SHARP EDGES
ALL DIMENSIONS IN INCHES

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

TITLE SINGLE LINE/CUSTOMER INTERCONNECT DETAILS
ARIEL MINI SKID

CUSTOMER	Apache Corp.-Canadian, TX	PROJECT NO.	40167
SHEET	1/6	SCALE	NA
DRAWN BY	NDA	DATE	7/12/12
DRAWING NO.		A80-50-40167	
REV.		A	

NOTE: ALL WIRE AND CONDUIT RUNS ARE SIZED FOR DISTANCES UP TO 100 FT. CUSTOMER MUST RE-SIZE WIRE AND CONDUIT TO ACCOMMODATE GREATER DISTANCES.

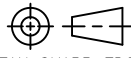


REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION
A	9/4/12 PJH	UPDATE CONDUIT/SKID LAYOUT			

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 ANGI ENERGY SYSTEMS
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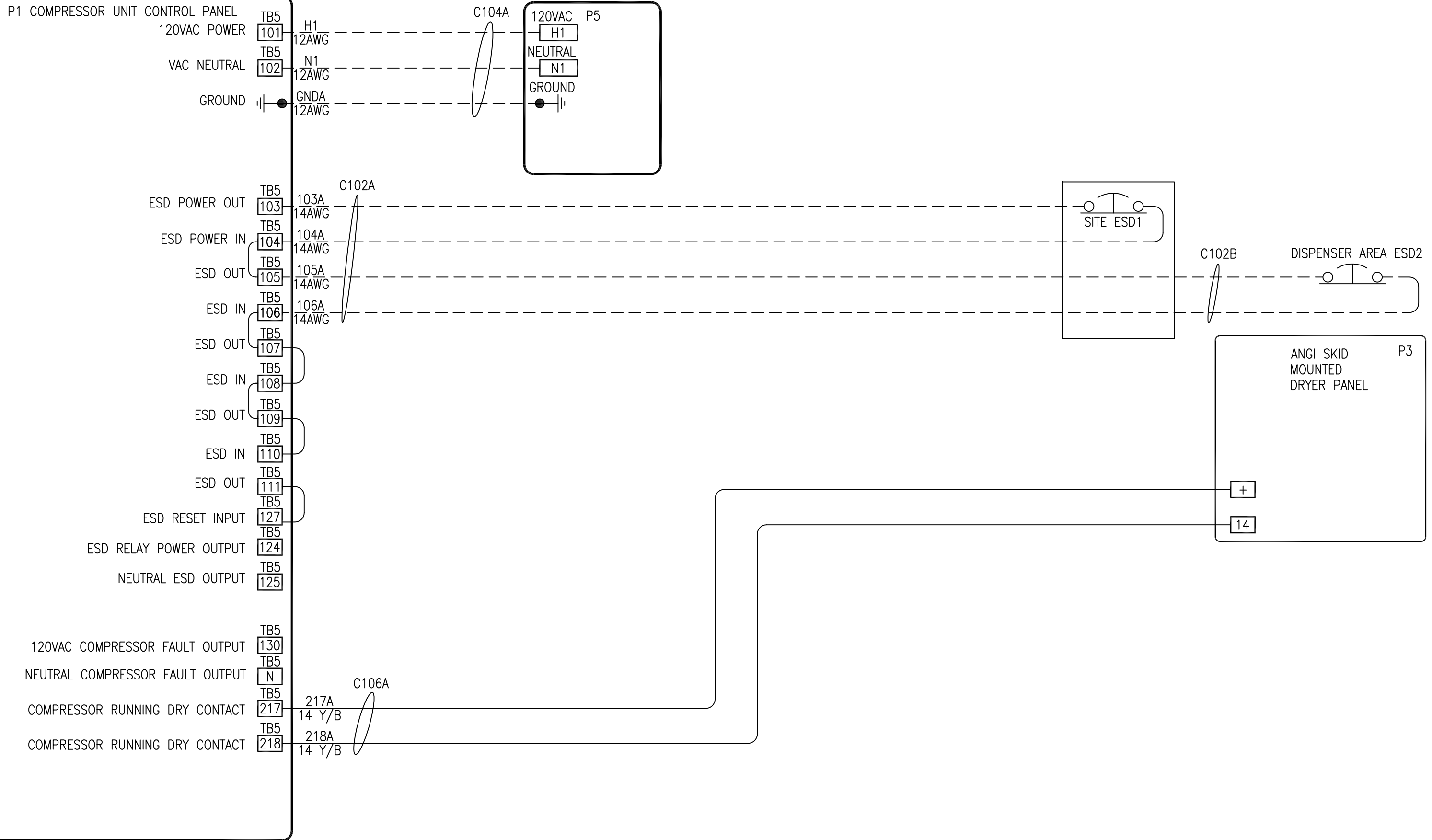


BREAK SHARP EDGES

ALL DIMENSIONS IN INCHES

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

TITLE		SINGLE LINE/CUSTOMER INTERCONNECT DETAILS ARIEL MINI SKID	
CUSTOMER	Apache Corp.-Canadian, TX	PROJECT NO.	40167
SHEET	2/6	SCALE	NA
DRAWN BY	NDA	DATE	7/12/12
		DRAWING NO.	A80-50-40167
		REV.	A



REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION
A	9/4/12 PJH	LABLE ESD1 AND ESD2			

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 15 PLUMB STREET
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 ANGLES ±1'

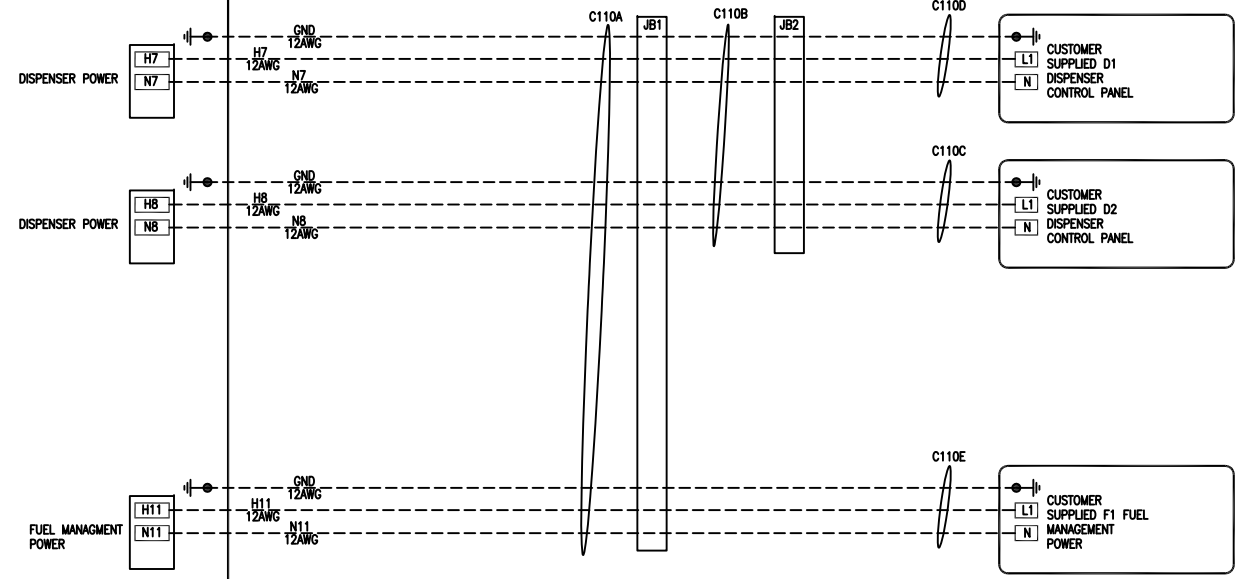
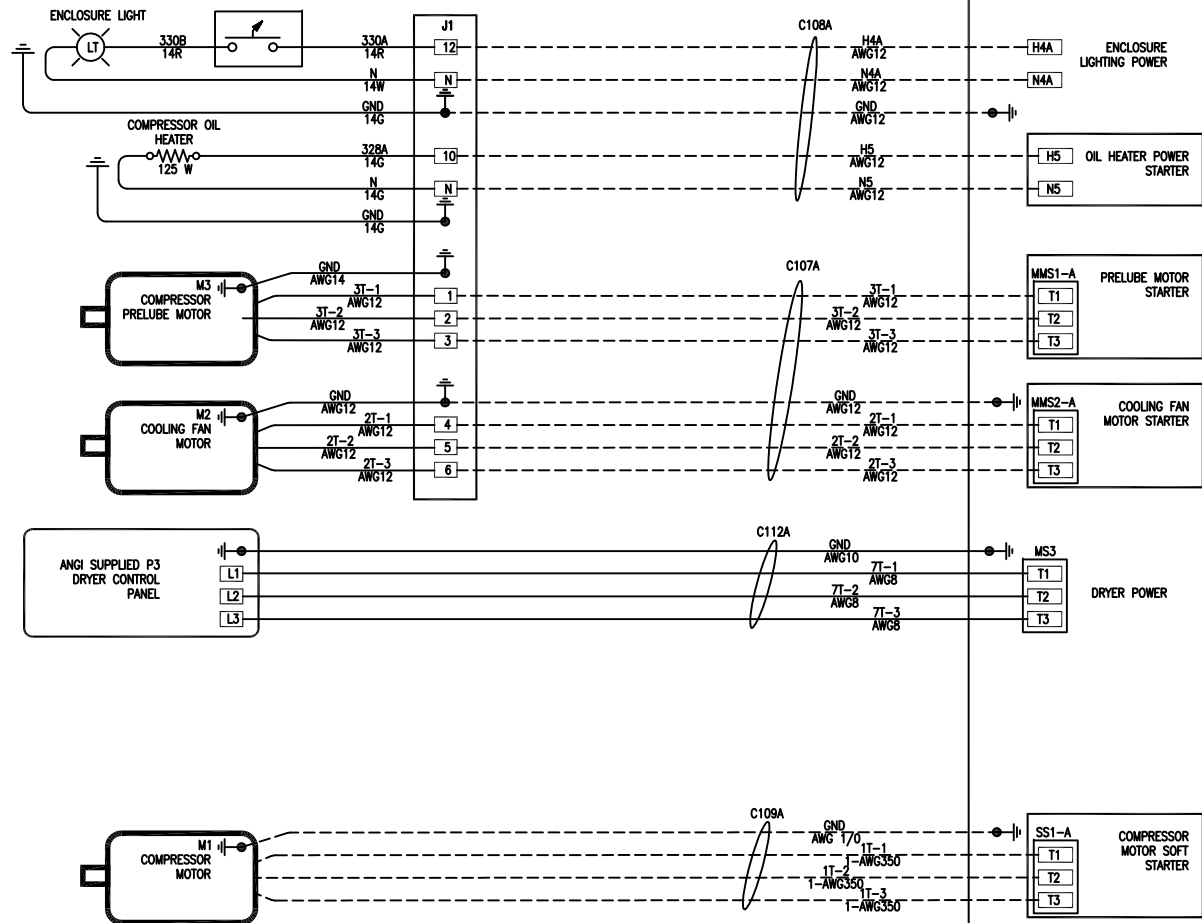
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TITLE		SINGLE LINE/CUSTOMER INTERCONNECT DETAILS ARIEL MINI SKID	
CUSTOMER	Apache Corp.-Canadian, TX	PROJECT NO.	40167
SHEET	3/6	SCALE	NA
DRAWN BY	NDA	DATE	7/12/12
		DRAWING NO.	A80-50-40167
		REV.	A

P1 COMPRESSOR #1 UNIT CONTROL PANEL

DISPENSER ESD OK DRY CONTACT	TB5 112	112A
DISPENSER ESD OK DRY CONTACT	TB5 113	113A
OIL HEATER RUN DRY CONTACT	TB5 128	128A
OIL HEATER RUN DRY CONTACT	TB5 129	129A
DRYER ESD OK DRY CONTACT	TB5 227	227A
DRYER ESD OK DRY CONTACT	TB5 228	228A
FAN MTR RUN DRY CONTACT	TB5 159	159A
FAN MTR RUN DRY CONTACT	TB5 160	160A
COMPRESSOR MTR RUN DRY CONTACT	TB5 161	161A
COMPRESSOR MTR RUN DRY CONTACT	TB5 162	162A
PRELUBE MTR RUN DRY CONTACT	TB5 167	167A
PRELUBE MTR RUN DRY CONTACT	TB5 168	168A
COMPRESSOR RUNNING SIGNAL	TB5 201	201A
COMPRESSOR RUNNING SIGNAL	TB5 202	202A
COOLING FAN MOTOR RUNNING SIGNAL	TB5 225	225A
COOLING FAN MOTOR RUNNING SIGNAL	TB5 226	226A
PRE-LUBE MOTOR RUNNING SIGNAL	TB5 223	223A
PRE-LUBE MOTOR RUNNING SIGNAL	TB5 224	224A

P5 MOTOR STARTER PANEL



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.

REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION
A	9/4/12 PJH	UPDATE TERMINAL NUMBERS TO MATCH MOTOR STARTER DWG			

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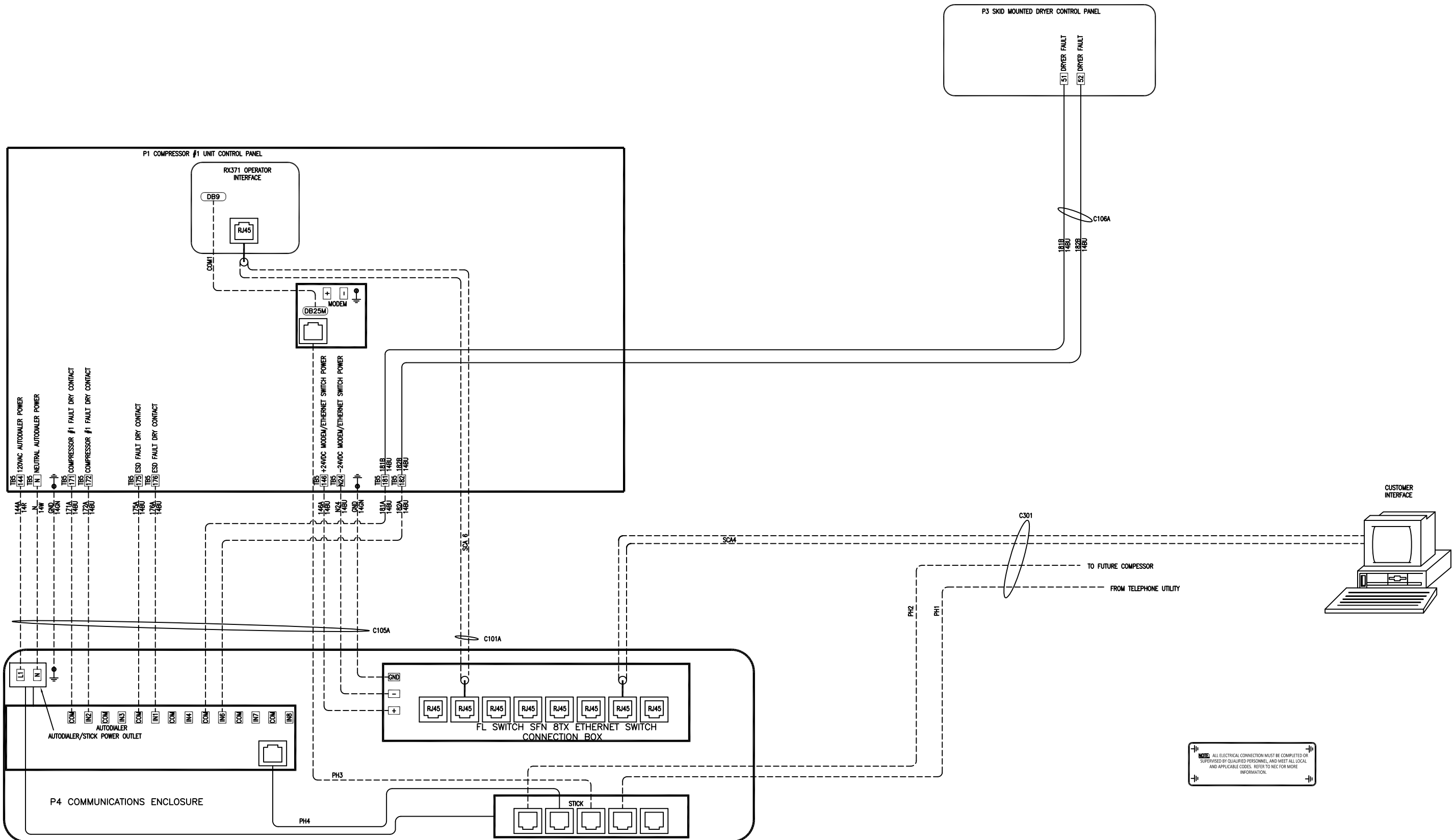
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UNLESS OTHERWISE SPECIFIED


BREAK SHARP EDGES
 ALL DIMENSIONS IN INCHES

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

TITLE		SINGLE LINE/CUSTOMER INTERCONNECT DETAILS		ARIEL MINI SKID	
CUSTOMER	Apache Corp.-Canadian, TX	PROJECT NO.	40167		
SHEET	4/6	SCALE	NA		
DRAWN BY	NDA	DATE	7/12/12	DRAWING NO.	A80-50-40167
				REV.	A



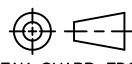
REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION


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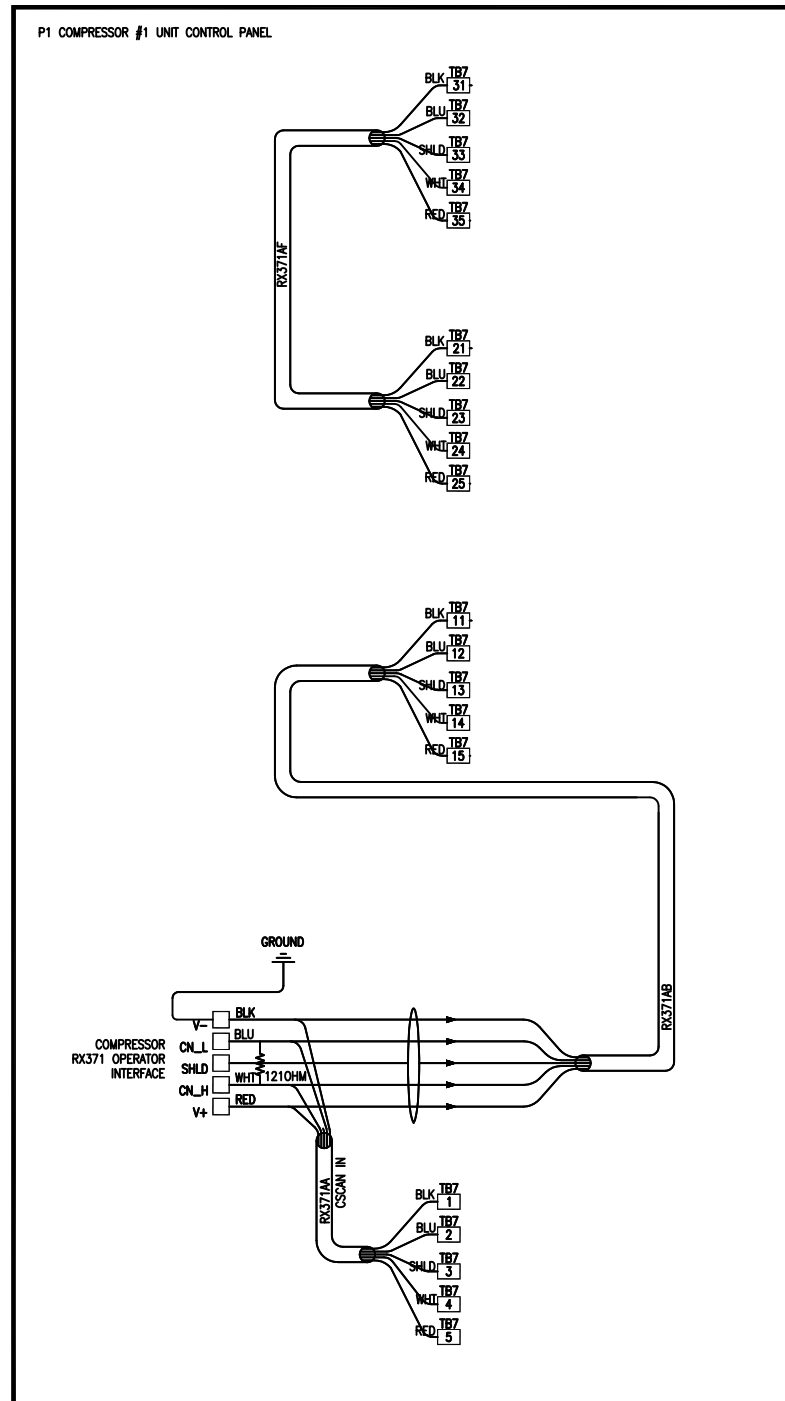
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 BREAK SHARP EDGES
 ALL DIMENSIONS IN INCHES

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

TITLE		SINGLE LINE/CUSTOMER INTERCONNECT DETAILS ARIEL MINI SKID	
CUSTOMER	Apache Corp.-Canadian, TX	PROJECT NO.	40167
SHEET	5/6	SCALE	NA
DRAWN BY	NDA	DATE	7/12/12
DRAWING NO.		A80-50-40167	
REV.		A	



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		SINGLE LINE/CUSTOMER INTERCONNECT DETAILS ARIEL MINI SKID	
CUSTOMER	Apache Corp.-Canadian, TX	PROJECT NO.	40167
SHEET	6/6	SCALE	NA
DRAWN BY	NDA	DATE	7/12/12
DRAWING NO.		A80-50-40167	
REV.		A	

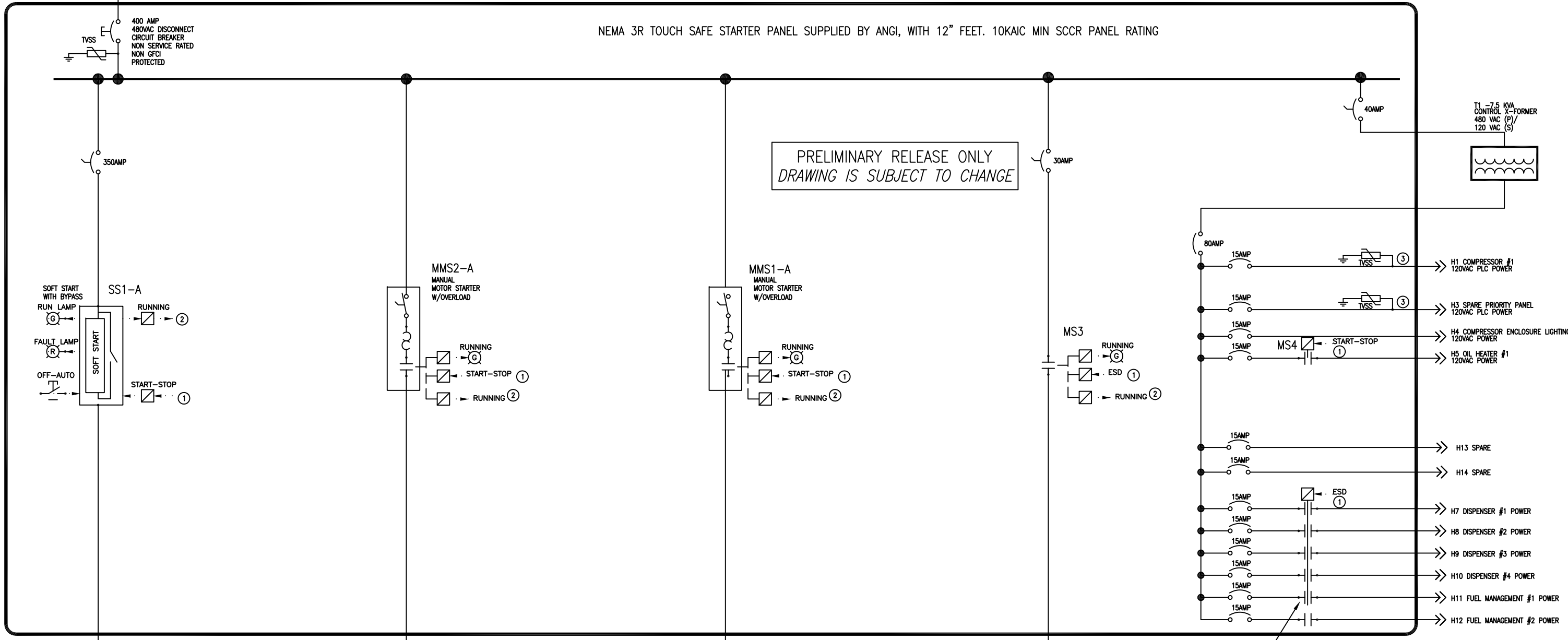
INCOMING POWER FROM MAIN DISTRIBUTION PANEL, GENSET, TRANSFER SWITCH, GFI EQUIPMENT, MACHINE OVERCURRENT PROTECTION AND SUPPLY CONDUCTORS SUPPLIED BY CUSTOMER

- ① NOTE: ANGI REQUIRES A N/O CIRCUIT WIRED TO A COMMON TERMINAL STRIP FOR ALL START SIGNALS. MOTOR CIRCUITS MUST BE WIRED TO START AND STOP USING ANGI SUPPLIED DRY CONTACT.
- ② NOTE 2: ANGI REQUIRES "RUNNING" CONTACTS WIRED TO A COMMON TERMINAL STRIP. THE AUXILIARY CONTACTS INCLUDE 1) SOFTSTARTER "RUNNING FULL VOLTAGE" AUXILIARY CONTACT THAT CLOSSES WHEN THE BYPASS CONTACTOR ENGAGES, 2) FAN AND PRE-LUBE MOTOR STARTER AUXILIARY CONTACT THAT CLOSSES WHEN THE MOTOR IS RUNNING. THE ANGI PLC DETECTS A MOTOR FAULT WHEN AN AUXILIARY CONTACT OPENS WHILE THAT MOTOR COMMAND IS RUN. ALL RUNNING SIGNALS ARE TO BE WIRED TO INDIVIDUAL TERMINALS.
- ③ NOTE 3: ANGI CONTROL POWER IS REQUIRED TO HAVE PHOENIX BRAND TVSS PROTECTION FOR OUR POWER SUPPLY WARRANTY. PLEASE USE THE FOLLOWING PHOENIX PART NUMBERS.
PT2-PE/S-120AC-ST with Base PT-BE/FM WHEN 120VAC CONTROL TRANSFORMER IS USED
PT2-PE/S-230AC-ST with Base PT-BE/FM WHEN 220VAC CONTROL TRANSFORMER IS USED

EQUIPMENT POWER REQUIREMENTS
THIS DRAWING IS NOT TO BE USED TO DETERMINE CONDUIT RUNS, MAIN BREAKER OR WIRE PULL NEEDS! MAIN BREAKER SIZE NEEDS TO BE VERIFIED WITH MOTOR STARTER VENDOR

NEMA 3R TOUCH SAFE STARTER PANEL SUPPLIED BY ANGI, WITH 12" FEET. 10KAIC MIN SCCR PANEL RATING

PRELIMINARY RELEASE ONLY
DRAWING IS SUBJECT TO CHANGE



M1
COMPRESSOR #1
200 Bhp 480VAC
3 PHASE MAIN MOTOR
1750 RPM 240 FLA

M2
FAN MOTOR #1
7.5Bhp 460VAC
3 PHASE 11.00FLA
1200RPM

M3
PRE-LUBE MOTOR #1
1/2 Bhp 460VAC
3 PHASE 1.1 FLA

T7
CNG DRYER POWER
480VAC/22AMP

NOTE: THIS STARTER MUST BREAK LINE AND NEUTRAL TO DISPENSER

LOAD TABLE					
QTY	BHP	DISCRIPTION	FLA		FLA
1	200	MAIN MOTOR	240		240
1	7.5	FAN MOTOR	11.00		11.00
1	1/2	PRELUBE MOTOR	1.1		1.10
1	7.5KVA	T1-TRANSFORMER	15.6		15.60
1	FLA	DRYER	22.0		22.0
				TOTAL	289.70

REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION
A	7-6-12 NDA	REMOVE DRYER NOTE			

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FX: 608-868-2723

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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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TITLE	NG300E-200-480-4DIS-2FM-10K 200HP SINGLE LINE		
CUSTOMER	Apache Corporation - Canadian, TX		PROJECT NO. 40167
SHEET	1/2	SCALE	NA
DRAWN BY	NDA	DATE	6/13/12
		DRAWING NO.	A80-70-40167
		REV.	A

COMPRESSOR #1 CONTROL TERMINATIONS

PRELUBE MTR RUN DRY CONTACT	167A	COMPRESSOR #1 M3 PRELUBE MOTOR MANUAL MOTOR STARTER	MMS1-A T1 T2 T3
PRELUBE MTR RUN DRY CONTACT	168A		
PRE-LUBE MOTOR RUNNING SIGNAL	223A		
PRE-LUBE MOTOR RUNNING SIGNAL	224A		

FAN MTR RUN DRY CONTACT	159A	COMPRESSOR #1 M2 COOLING FAN MANUAL MOTOR STARTER	MMS2-A T1 T2 T3
FAN MTR RUN DRY CONTACT	160A		
COOLING FAN MOTOR RUNNING SIGNAL	225A		
COOLING FAN MOTOR RUNNING SIGNAL	226A		

COMPRESSOR MTR RUN DRY CONTACT	161A	COMPRESSOR #1 M1 MOTOR SOFT STARTER	SS1-A T1 T2 T3
COMPRESSOR MTR RUN DRY CONTACT	162A		
COMPRESSOR RUNNING SIGNAL	201A		
COMPRESSOR RUNNING SIGNAL	202A		

OIL HEATER RUN DRY CONTACT	128A	MS4 COMPRESSOR #1 OIL HEATER STARTER	H5
OIL HEATER RUN DRY CONTACT	129A		N5

DRYER ESD OK DRY CONTACT	210	T7 DRYER STARTER REMOTE ESD CONTROLLED	MS3 T1 T2 T3
DRYER ESD OK DRY CONTACT	211		
DRYER RUNNING SIGNAL	247A		
DRYER RUNNING SIGNAL	248A		

EQUIPMENT POWER REQUIRMENTS


THIS DRAWING IS NOT TO BE USED TO DETERMINE CONDUIT RUNS, MAIN BREAKER OR WIRE PULL NEEDS! MAIN BREAKER SIZE NEEDS TO BE VERIFIED WITH MOTOR STARTER VENDOR

H1	COMPRESSOR #1 TVSS PROTECTED	H13	SPARE 120VAC
N1	CONTROL POWER	N13	
H2	SPARE TERMINALS	H14	SPARE 120VAC
N2		N14	
H3	SPARE TVSS PROTECTED	H15	SPARE TERMINALS
N3	PRIORITY POWER	N15	
H4A	COMPRESSOR 1 ENCLOSURE	H16	SPARE TERMINALS
N4A	LIGHTING POWER	N16	
H4B	SPARE TERMINALS		
N4B			
H6	SPARE TERMINALS		
N6			

DISPENSER ESD OK DRY CONTACT	TB5 216	MS6 DISPENSER/FUEL MANAGEMENT STARTER REMOTE ESD CONTROLLED	H7	DISPENSER #1 POWER	H10	DISPENSER #4 POWER
DISPENSER ESD OK DRY CONTACT	TB5 217		N7		N10	
		H8	DISPENSER #2 POWER	H11	FUEL MANAGEMENT #1 POWER	
		N8		N11		
		H9	DISPENSER #3 POWER	H12	FUEL MANAGEMENT #2 POWER	
		N9		N12		

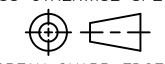
THESE TERMINAL NUMBERS MUST BE USED TO IDENTIFY CUSTOMER CONNECTION POINTS.

REV	DATE/BY	DESCRIPTION	REV	DATE/BY	DESCRIPTION
*					



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UNLESS OTHERWISE SPECIFIED		TITLE	
 BREAK SHARP EDGES ALL DIMENSIONS IN INCHES		NG300E-200-480-4DIS-2FM-10K 200HP SINGLE LINE	
FRACTIONAL ±.125		CUSTOMER	PROJECT NO.
TWO PLACE DECIMAL ±.010		Apache Corporation - Canadian, TX	40167
THREE PLACE DECIMAL ±.005		SHEET	DRAWING NO.
ANGLES ±1'		2/2	A80-70-40167
		DRAWN BY	REV.
		NDA	A
		DATE	
		6/13/12	