



# Quotation

**Q2C Number: 27973037**

**Quote Number: 1**

**Revision Number: 0**

**Project Name:** SUPER SOAKER EXPRESS

**Project Sub-Name:**

**Project Location:** PICAYUNE, MS

**Quote Name:** SAM HIGDON

**Through Addenda Number:** 0

**Bid Date:** 01/19/2010

**Consultant / Specifier:**

**Contractor / Installer:**

**Sales Representative:** JOE HADER

## **Terms & Conditions**

*This Quotation is subject to Square D's published Terms and Conditions*

**Payment Terms:** STANDARD

**Billing Type(s):**

**Currency:** US DOLLARS

## **Quote Markings**

Q2C Number: 27973037

Quote Number: 1

Revision Number: 0

Project Name: SUPER SOAKER EXPRESS

Quote Name: SAM HIGDON

Item No.	Qty.	Catalog Number / Details
001-00	1	<p><b>Designation:</b> MOTOR CONTROL CENTER  Model 6 LVMCC  Model 6 MCC - Standard Package  -----  System Voltage: 480Y/277V 3PH 4W 60Hz  Max Available Fault Current (RMS) - 22kA  Control Power - 120Vac  Class 1 Type B Wiring  20" Deep Construction  General Purpose Type 1 Enclosure  1/4" x 1" Horizontal Ground Bus, Copper  42kA Bus Withstand Rating  600A Tin Plated Copper Horizontal Bus  Neutral Bus Minimum Drops per Lineup  Standard Exterior Paint ANSI 49  Equipment Mounting Height 72"  Manual Vertical Bus Shutters  Rodent Barriers  Engineered To Order (ETO)  6 - Section(s) with 300A Tin Plated Copper  Vertical Bus</p> <p><b>DIMENSIONS AND WEIGHT</b>  -----  Dimensions: 130.00"W X 20"D X 94.5"H  Approximate Weight: 4540.00 lbs / 2059.34 kgs</p> <p><b>INCOMING</b>  -----  Incoming Connection: Cable</p> <p><b>MAIN</b>  -----  Main Breaker Top Entry 600A  Neutral Lug Termination  Current Limiting Breaker</p> <p><b>FULL VOLTAGE NON-REVERSING STARTERS</b>  -----  6 - 7.5 HP NEMA Size 1 FVNR Starter w/Circuit  Breaker  Control Power Transformer 50VA  1 NO &amp; 0 NC Auxiliary Electrical  Interlocks  2 - 25 HP NEMA Size 2 FVNR Starter w/Circuit  Breaker  Control Power Transformer 100VA  1 NO &amp; 0 NC Auxiliary Electrical  Interlocks  2 - 2 HP NEMA Size 1 FVNR Starter w/Circuit  Breaker  Control Power Transformer 50VA  1 NO &amp; 0 NC Auxiliary Electrical  Interlocks  12 - 15 HP NEMA Size 2 FVNR Starter w/Circuit  Breaker  Control Power Transformer 100VA  1 NO &amp; 0 NC Auxiliary Electrical  Interlocks  2 - 10 HP NEMA Size 1 FVNR Starter w/Circuit  Breaker  Control Power Transformer 50VA  1 NO &amp; 1 NC Auxiliary Electrical  Interlocks</p>

Q2C Number: 27973037

Quote Number: 1

Revision Number: 0

Project Name: SUPER SOAKER EXPRESS

Quote Name: SAM HIGDON

Item No.	Qty.	Catalog Number / Details
		COMMON FULL VOLTAGE NON-REVERSING FEATURES ----- Electronic Motor Circuit Protector #16 AWG MTW Control Wire 65kA Interrupting Rating Melting Alloy Overload Relay 22mm XB5 Pilot Devices Hand-Off-Auto Selector Switch
		FEEDERS ----- 1 - Circuit Breaker Branch Feeder 175A 35kA Interrupting Rating
		PANELBOARDS ----- 30 Circuits NF Panelboard w/ Main Circuit Breaker 480Y/277V 3Ph 4W 60Hz 1 - Copper Interior 1 - EDB 3 Pole 60A 3 - EDB 3 Pole 30A 1 - EDB 3 Pole 20A 8 - EDB 1 Pole 20A
		MISCELLANEOUS DEVICES ----- 1 - 30" Configured Space 1 - 9" Configured Space
		<b>Estimated Ship Days (ARO): 20 Working Days</b>
002-00	6	B4.85 THERMAL UNIT
003-00	18	B17.5 THERMAL UNIT
004-00	6	B25.0 THERMAL UNIT
005-00	36	B32.0 THERMAL UNIT
006-00	6	B62.0 THERMAL UNIT
007-00	1	EE112T3H Transformer Dry Type 112.5kVA 480D208Y120,150C
008-00	1	DASKP250 LUG KIT
009-00	1	DASKS400 LUG KIT
010-00	1	<b>Designation:</b> LOW VOLTAGE PANEL

Q2C Number: 27973037

Quote Number: 1

Revision Number: 0

Project Name: SUPER SOAKER EXPRESS

Quote Name: SAM HIGDON

Item No.	Qty.	Catalog Number / Details
		<p>NQ MB PANELBOARD (INTERIOR)-A  NQ PANELBOARD  CONSISTING OF  208Y/120 VAC 3PH 4W 60 HZ      SCCR:10K  MAIN: 400A LA CIRCUIT BREAKER  MAIN ACC.: FEED-THRU LUGS  INCOMING CONDUCTOR(S): (1)#1-600 kcmil or  (2)#1-250 kcmil  BUS: COPPER                      SILVER/TIN  PLATING  GROUND BAR  TYPE 1                      68"H X 20"W X 5.75"D  INCOMING : BOTTOM      SURFACE W/DOOR  BOX CAT#: MH68              FRONT CAT#:NC68VS  REF. DRAWING: PBA 710A  BRANCHES:  (2) 60A/2P QOB  (2) 50A/2P QOB  (1) 40A/2P QOB  (3) 30A/2P QOB  (26) 20A/1P QOB  SPECIAL: STANDARD SOLID NEUTRAL</p> <p><b>Estimated Ship Days (ARO): 15 Working Days</b></p>
011-00	1	<p><b>Designation:</b> LOW VOLTAGE PANEL  MH68 (BOX)-A  STANDARD TYPE 1 BOX HGT 68"</p> <p><b>Estimated Ship Days (ARO): 4 Working Days</b></p>
012-00	1	<p><b>Designation:</b> LOW VOLTAGE PANEL  NC68VS (FRONT)-A  SURFACE VENT TRIM FRT HGT 68"</p> <p><b>Estimated Ship Days (ARO): 15 Working Days</b></p>
013-00	1	<p><b>Designation:</b> LOW VOLTAGE PANEL  NQ MLO PANELBOARD (INTERIOR)-B  NQ PANELBOARD  CONSISTING OF  208Y/120 VAC 3PH 4W 60 HZ      SCCR:10K  MAIN: 400A MAIN LUG  INCOMING CONDUCTOR(S): (1)1/0-750 kcmil or  (2)1/0-350 kcmil  BUS: COPPER                      SILVER/TIN  PLATING  GROUND BAR  TYPE 1                      50"H X 20"W X 5.75"D  INCOMING : TOP              SURFACE W/DOOR  BOX CAT#: MH50              FRONT CAT#:NC50VS  REF. DRAWING: PBA 709A  BRANCHES:  (4) 20A/1P QOB  (38) 20A/1P-PS QOB  SPECIAL: STANDARD SOLID NEUTRAL</p> <p><b>Estimated Ship Days (ARO): 15 Working Days</b></p>
014-00	1	<p><b>Designation:</b> LOW VOLTAGE PANEL  MH50 (BOX)-B  STANDARD TYPE 1 BOX HGT 50"</p>

<b>Q2C Number:</b> 27973037	<b>Quote Number:</b> 1	<b>Revision Number:</b> 0
<b>Project Name:</b> SUPER SOAKER EXPRESS		<b>Quote Name:</b> SAM HIGDON

<b>Item No.</b>	<b>Qty.</b>	<b>Catalog Number / Details</b>
		<b>Estimated Ship Days (ARO):</b> 4 Working Days
015-00	1	<b>Designation:</b> LOW VOLTAGE PANEL NC50VS (FRONT)-B SURFACE VENT TRIM FRT HGT 50
		<b>Estimated Ship Days (ARO):</b> 15 Working Days

REV	DESCRIPTION	BY	DATE	---	---	---	---	---	---

**GENERAL NOTES**  
Class 1 Type B Wiring

**PRODUCT DESCRIPTION AND RATINGS**

**POWER SYSTEM DATA:**

480Y/277V 3PH 4W 60Hz  
SHORT CIRCUIT RATING: 22kA  
POWER ENTERS: Main Breaker Top Section 1  
CONTROL POWER: 120Vac

**BUS SYSTEM DATA:**

MAIN HORIZONTAL BUS: 600 Amp Copper/Tin Plated / 1.5"  
BUS BRACING: 4ZKA  
VERTICAL BUS: 300 Amp Tin Plated Copper  
NEUTRAL BUS: 100 Percent Neutral  
HORIZONTAL GROUND BUS: .25" X 1.0" (6.35mm X 25.4mm) Copper  
Units Securely Grounded To Structure

**ENCLOSURE DATA:**

ENCLOSURE TYPE: 20" DEEP Type 1  
EXTERIOR COLOR: Electrodeposition Finish ANSI 49 Medium Light Grey  
INTERIOR COLOR: Electrodeposition Finish ANSI 49 Medium Light Grey

**STRUCTURE MODIFICATIONS:**

Rodent Barriers 1  
Manual Bus Shutters 1,2,3,4,5,6  
Neutral Bus Drop 1

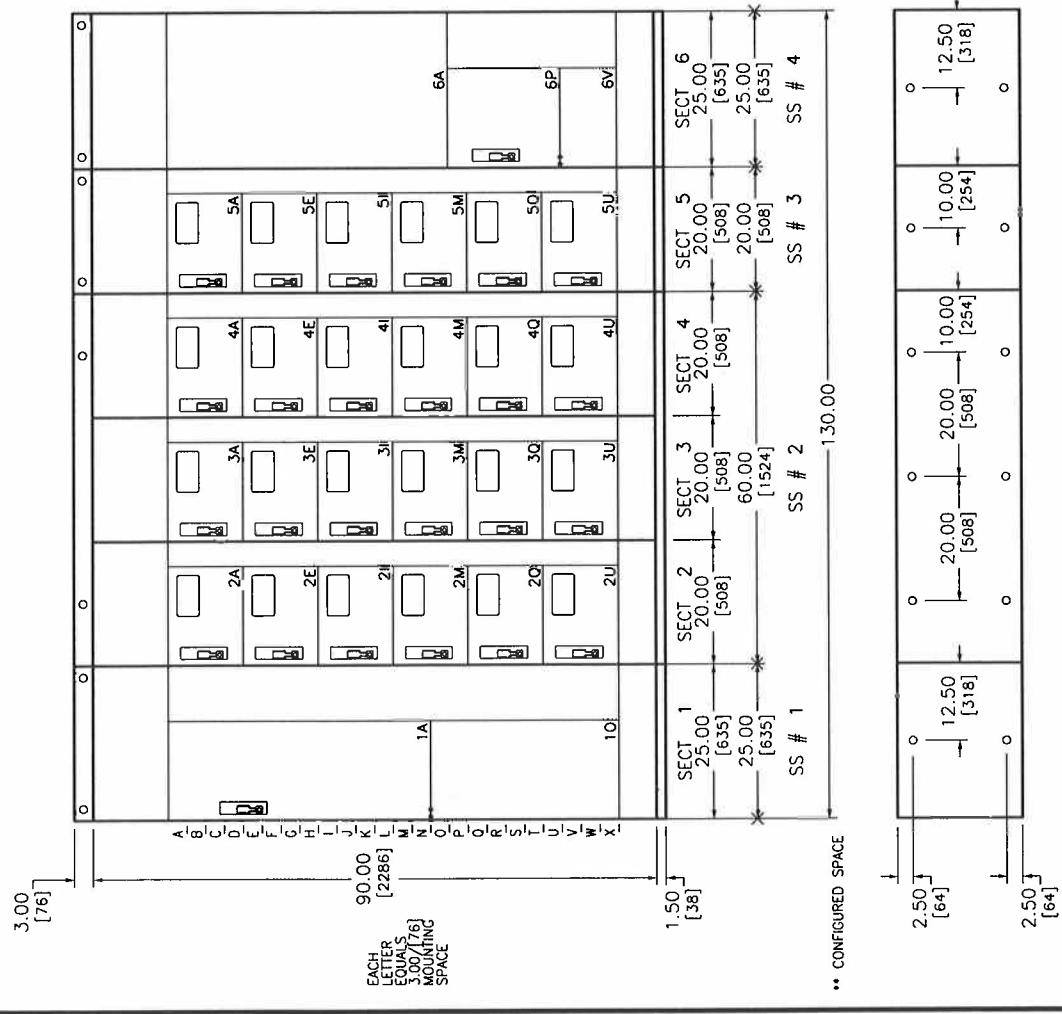
**EQUIPMENT WEIGHT:**

SHIPPING SPLIT # 1: 770.00 Lbs. (349.27 Kg.)  
SHIPPING SPLIT # 2: 2250.00 Lbs. (1020.60 Kg.)  
SHIPPING SPLIT # 3: 750.00 Lbs. (340.20 Kg.)  
SHIPPING SPLIT # 4: 770.00 Lbs. (349.27 Kg.)  
TOTAL LINEUP WEIGHT (APPROX): 4540.00 Lbs. (2059.34 Kg.)

**PRODUCT ACCESSORIES:**

See Unit Features

ENGLISH DIMENSIONS: INCHES

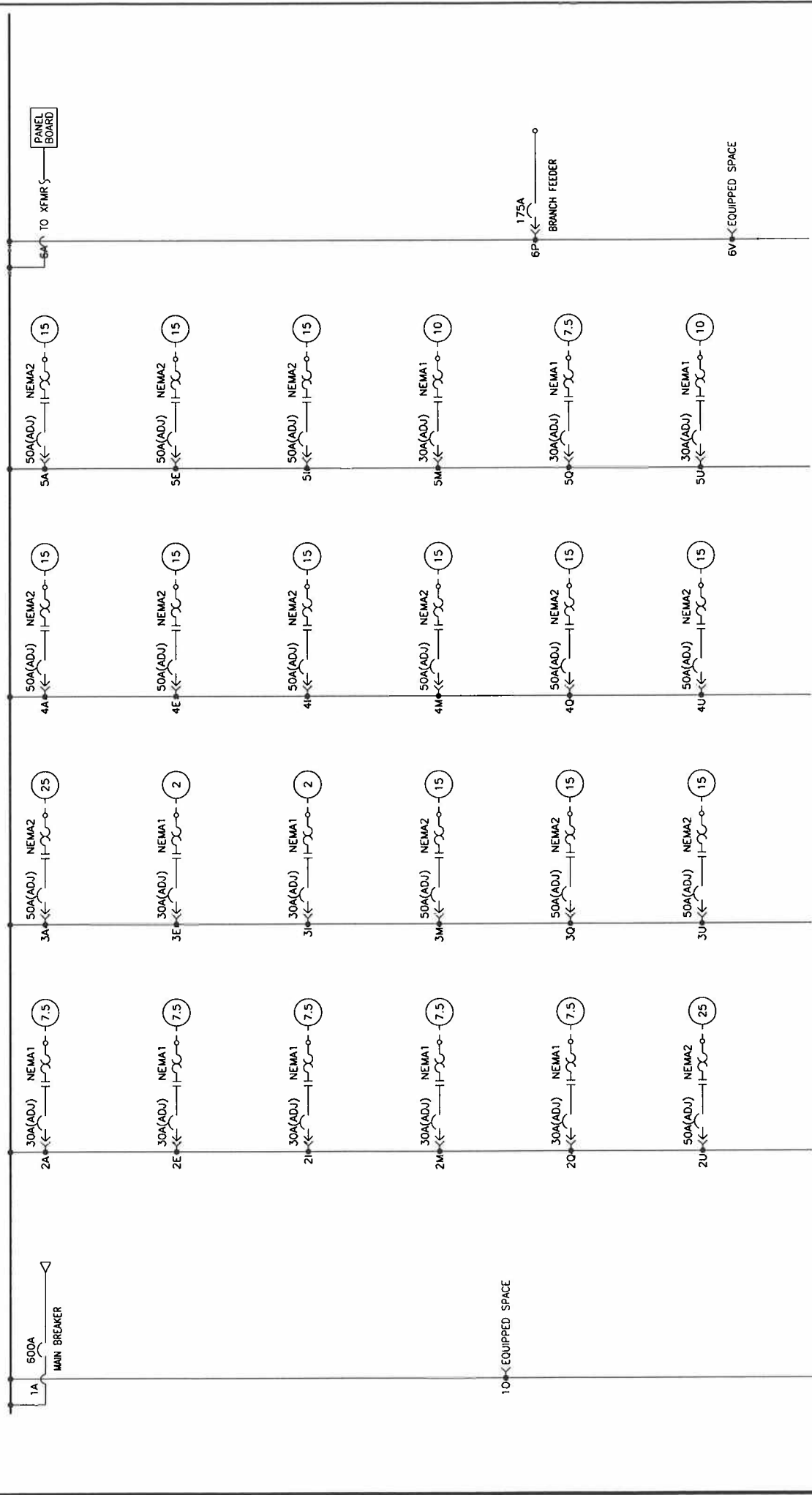


ANCHOR DETAIL

JOB NAME:	SUPER SCAMER EXPRESS	EQUIPMENT DESIGNATION:	MOTOR CONTROL CENTER
JOB LOCATION:	PICAYUNE, MS	EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(02C)	DRAWING TYPE:	ELEVATION
ENGR:		DATE:	January 19 2010
DRAWING STATUS:	QUOTE	DWG#	F27973037-01
		PG	1 OF 2
		REV	---



REV	DESCRIPTION	BY	DATE

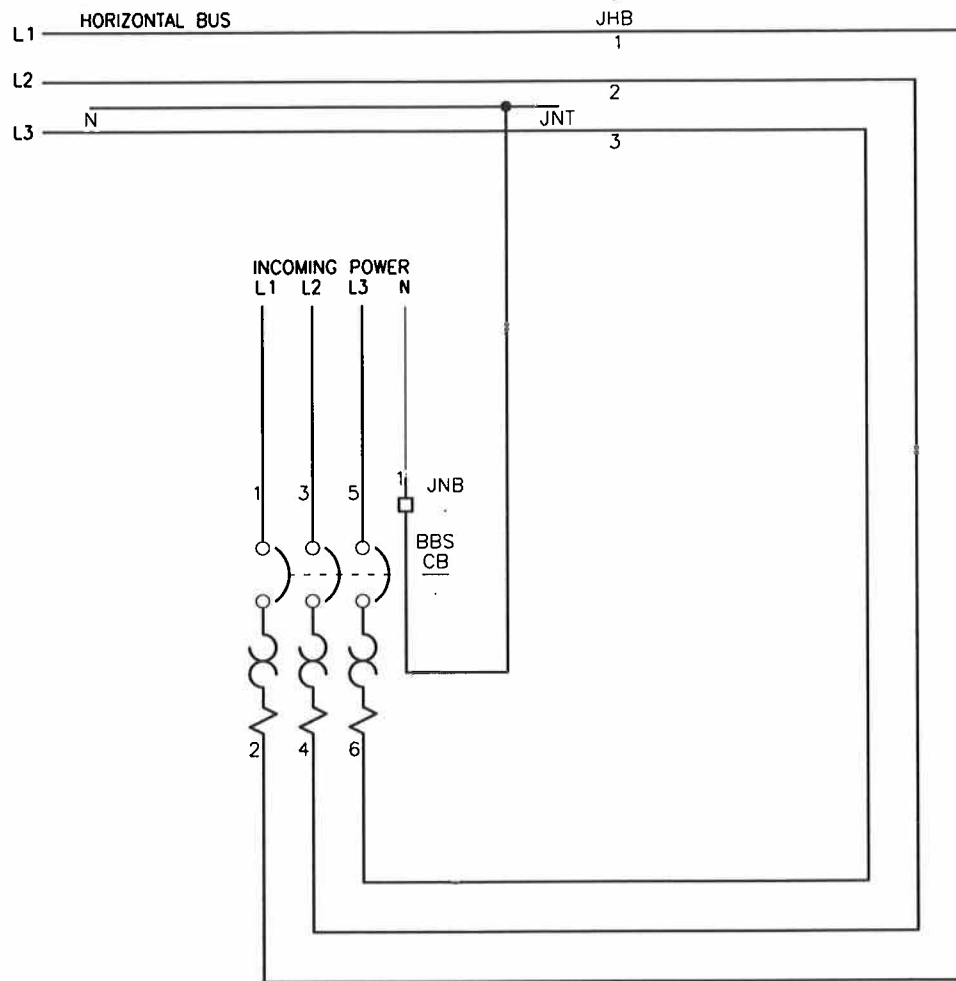



JOB NAME:	SUPER SOAKER EXPRESS	EQUIPMENT DESIGNATION:	MOTOR CONTROL CENTER
JOB LOCATION:	PICAYUNE MS	EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(QZC)	DRAWING TYPE:	ONE LINE DIAGRAM
ENGR:		DATE:	January 19 2010
DRAWING STATUS:	QUOTE	DWG#	027973037-01
		PC	1 OF 1 REV





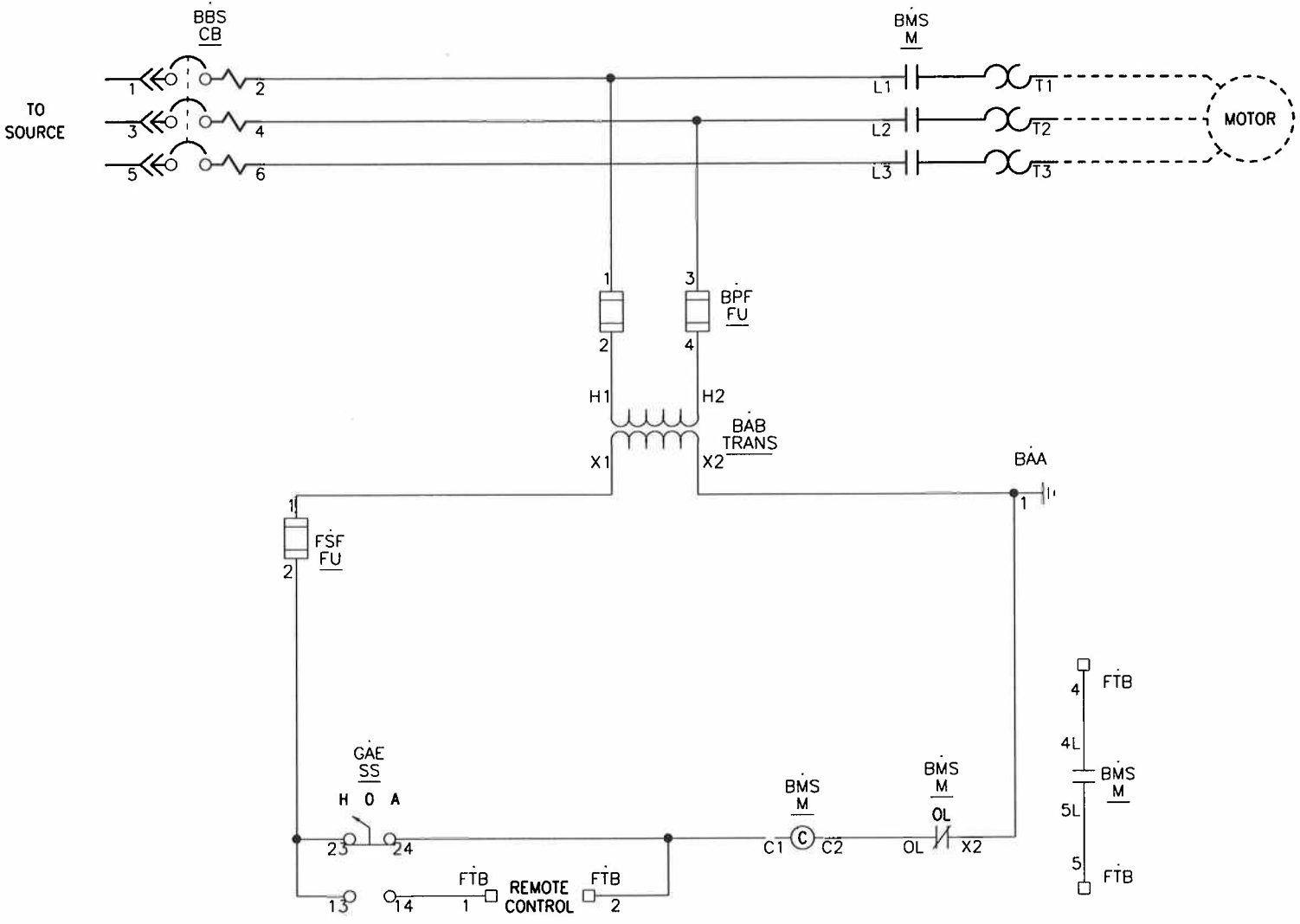
REV	DESCRIPTION	BY	DATE				
-	----	--	---/---/---	-	-----	--	---/---/---
-	----	--	---/---/---	-	-----	--	---/---/---




JOB NAME:	SUPER SOAKER EXPRESS	EQUIPMENT DESIGNATION:	MOTOR CONTROL CENTER
JOB LOCATION:	PICAYUNE MS	EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:		 <small>by Schneider Electric</small>	
DATE:	January 19 2010	DWG#	E27973037-01
DRAWING STATUS:	QUOTE	PG 1	OF 1
		REV	-

REV	DESCRIPTION	BY	DATE				
-	-	-	-	-	-	-	-

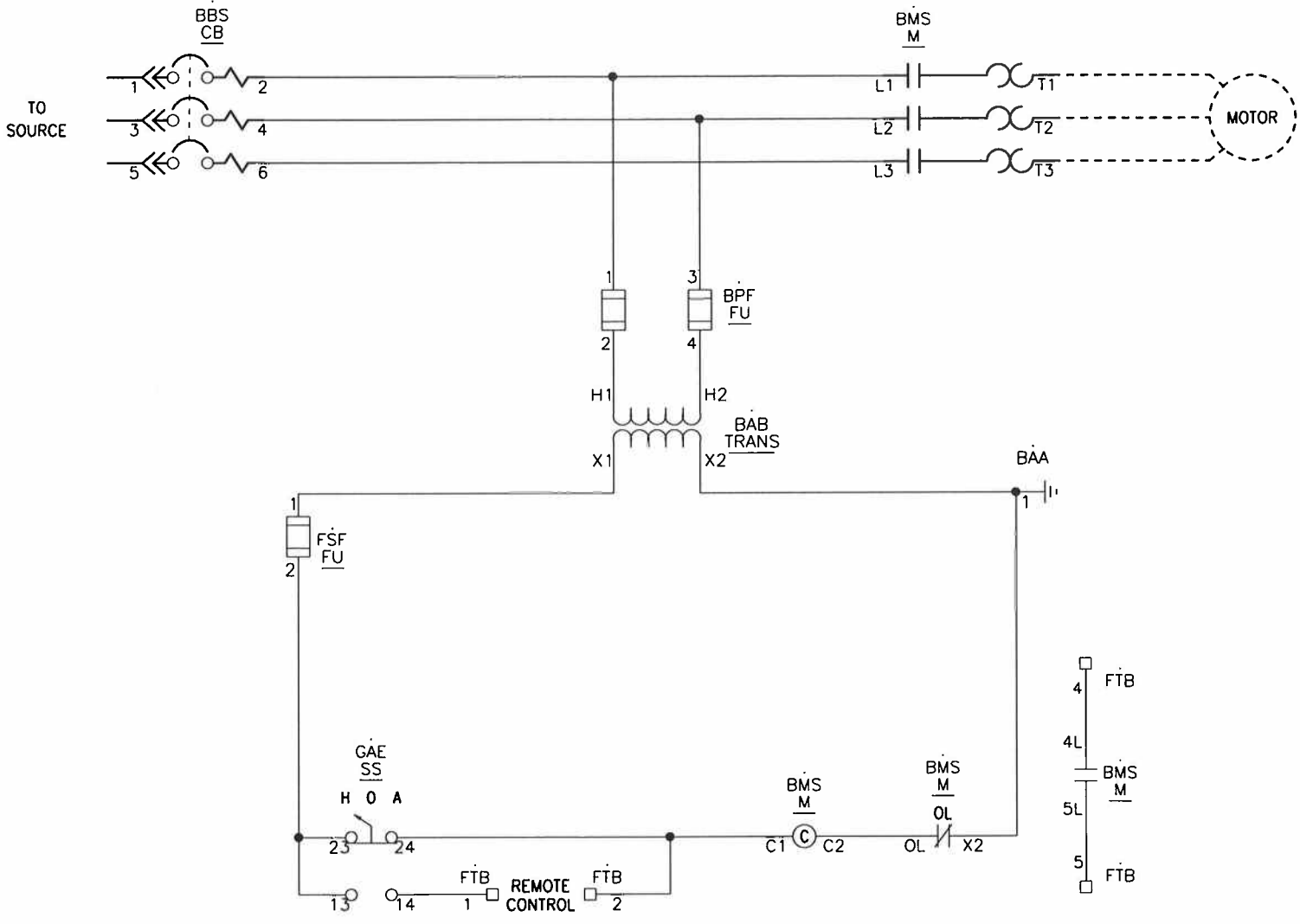
16M




JOB NAME:	SUPER SOAKER EXPRESS	EQUIPMENT DESIGNATION:	MOTOR CONTROL CENTER
JOB LOCATION:	PICAYUNE MS	EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:		 <small>by Schneider Electric</small>	
DATE:	January 19 2010	DWG#	E27973037-02
DRAWING STATUS:	QUOTE	PG	1 OF 1 REV -

REV	DESCRIPTION	BY	DATE				
-							

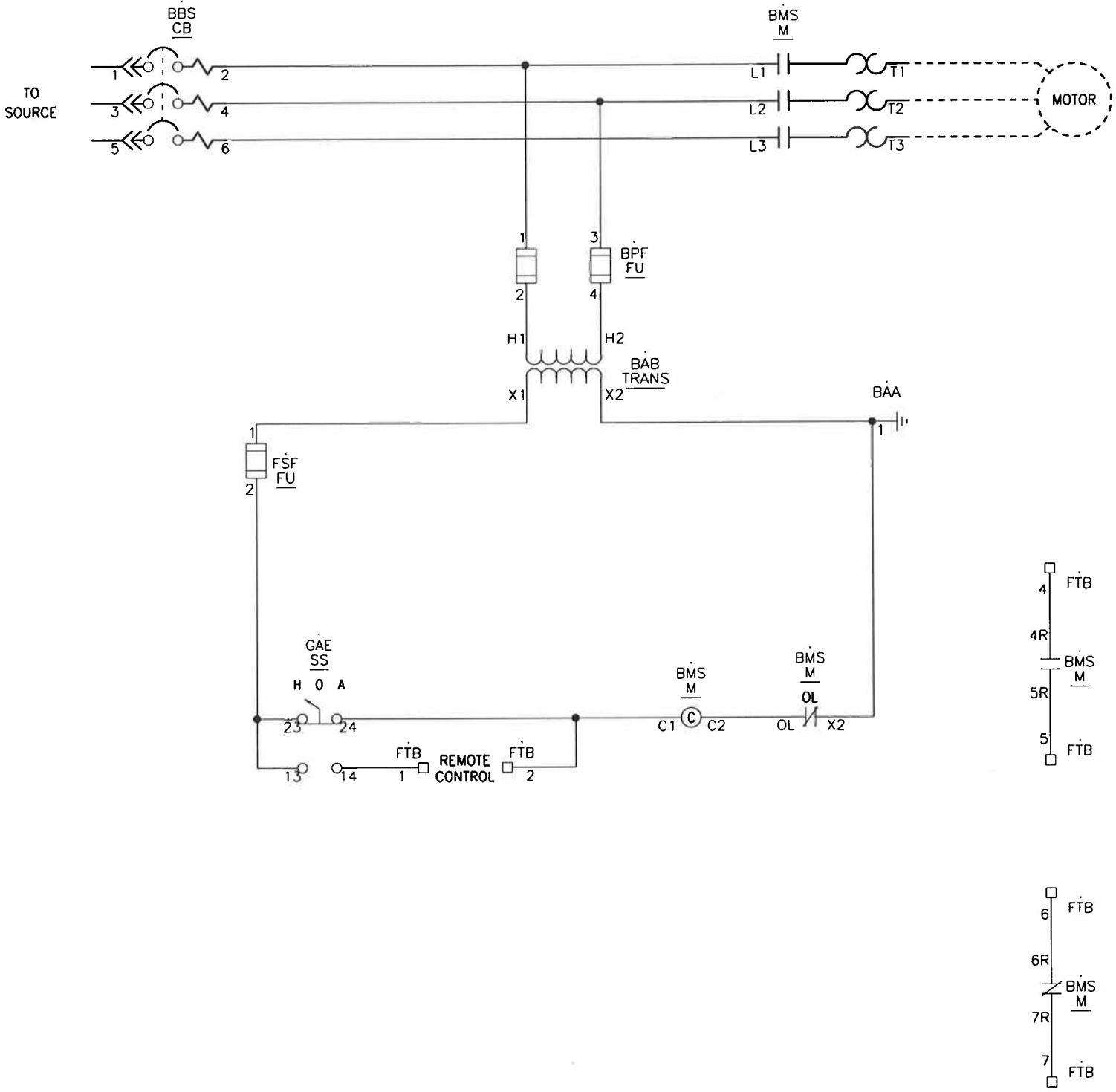
16M




JOB NAME:	SUPER SOAKER EXPRESS	EQUIPMENT DESIGNATION:	MOTOR CONTROL CENTER
JOB LOCATION:	PICAYUNE MS	EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:		 by Schneider Electric	
DATE:	January 19 2010	DWG#	E27973037-03
DRAWING STATUS:	QUOTE	PG 1	OF 1
		REV	-

REV	DESCRIPTION	BY	DATE				
-	-	-	-	-	-	-	-

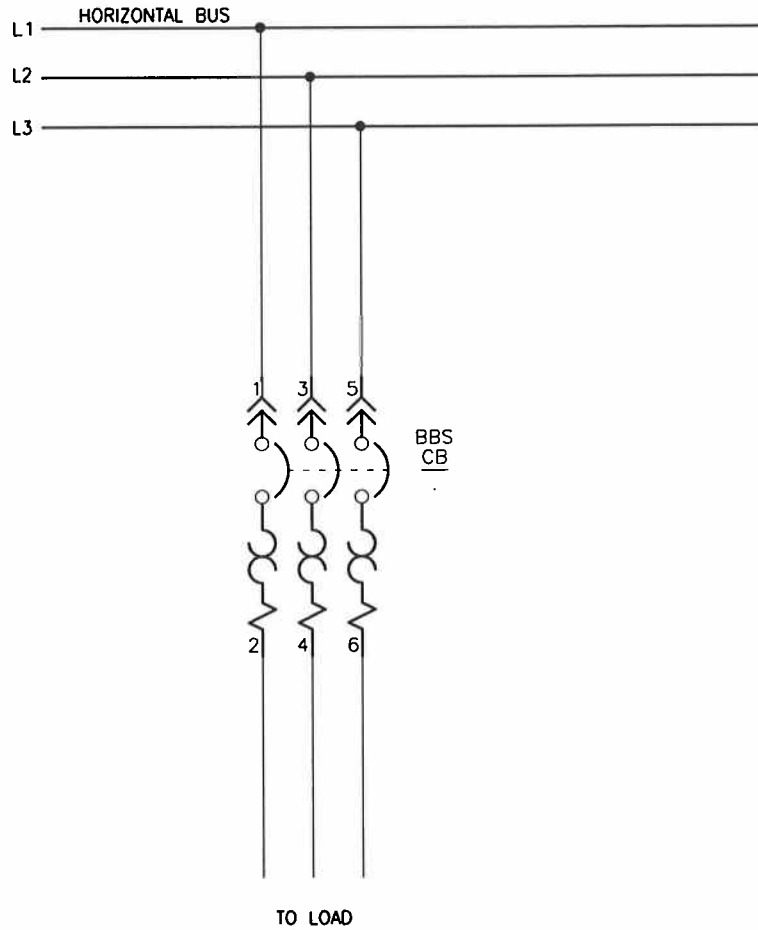
16M




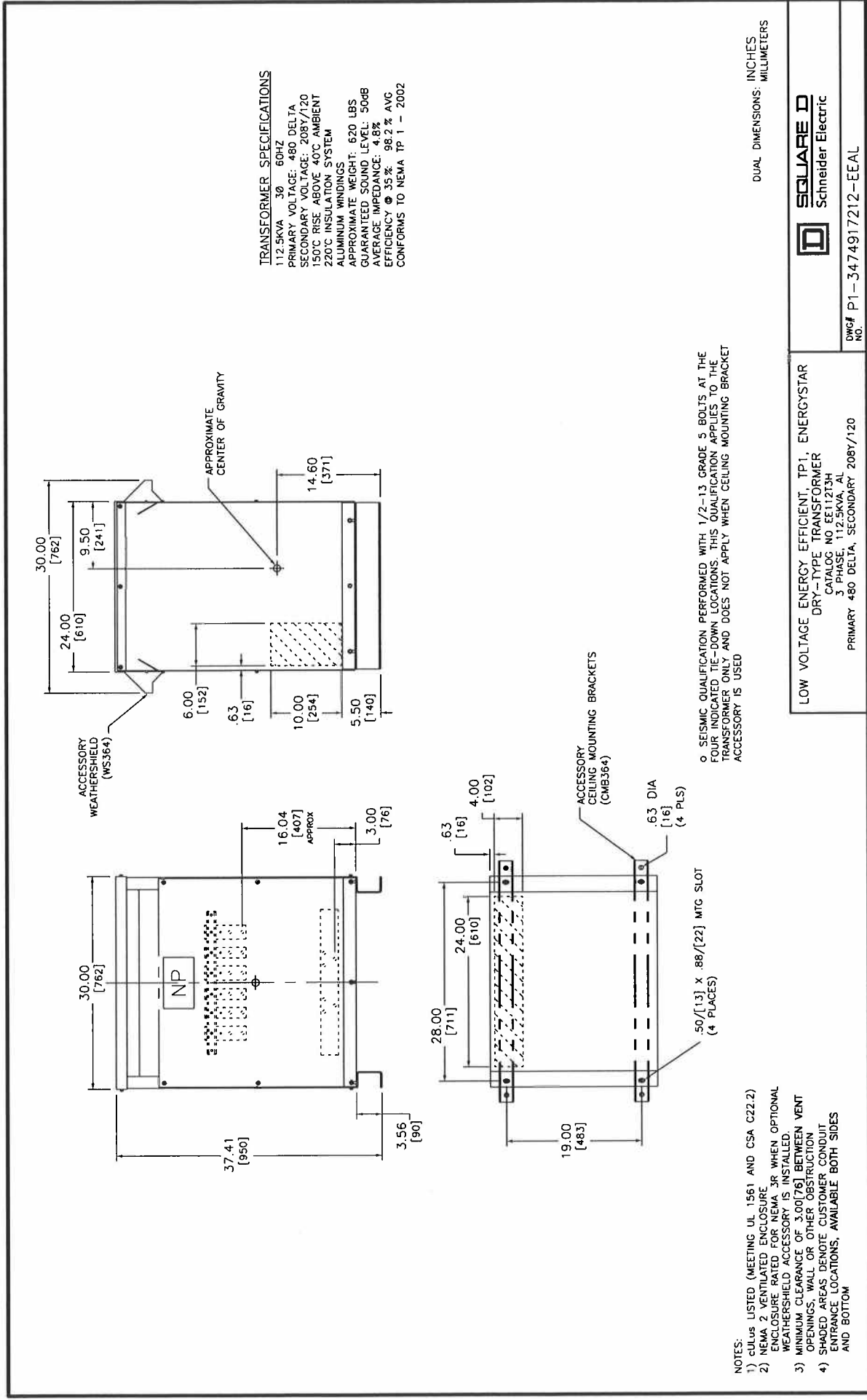
JOB NAME:	SUPER SOAKER EXPRESS	EQUIPMENT DESIGNATION:	MOTOR CONTROL CENTER
JOB LOCATION:	PICAYUNE MS	EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:		 by Schneider Electric	
DATE:	January 19 2010	DWG#	E27973037-04
DRAWING STATUS:	QUOTE	PG 1	OF 1
		REV	-



REV	DESCRIPTION	BY	DATE				
-	----	--	---/---/---	-	----	--	---/---/---



JOB NAME:	SUPER SOAKER EXPRESS	EQUIPMENT DESIGNATION:	MOTOR CONTROL CENTER
JOB LOCATION:	PICAYUNE MS	EQUIPMENT TYPE:	MODEL 6 MOTOR CONTROL CENTER
DRAWN BY:	(Q2C)	DRAWING TYPE:	ELEMENTARY
ENGR:		 by Schneider Electric	
DATE:	January 19 2010	DWG#	E27973037-06
DRAWING STATUS:	QUOTE	PG 1	OF 1
		REV	-



**TRANSFORMER SPECIFICATIONS**  
 112.5KVA .3Ø 60HZ  
 PRIMARY VOLTAGE: 480 DELTA  
 SECONDARY VOLTAGE: 208Y/120  
 150°C RISE ABOVE 40°C AMBIENT  
 220°C INSULATION SYSTEM  
 ALUMINUM WINDINGS  
 APPROXIMATE WEIGHT: 620 LBS  
 GUARANTEED SOUND LEVEL: 50dB  
 AVERAGE IMPEDANCE: 4.8%  
 EFFICIENCY @ 35%: 98.2% AVG  
 CONFORMS TO NEMA TP 1 - 2002

SEISMIC QUALIFICATION PERFORMED WITH 1/2-13 GRADE 5 BOLTS AT THE FOUR INDICATED TIE-DOWN LOCATIONS. THIS QUALIFICATION APPLIES TO THE TRANSFORMER ONLY AND DOES NOT APPLY WHEN CEILING MOUNTING BRACKET ACCESSORY IS USED

- NOTES:
- 1) cULus LISTED (MEETING UL 1561 AND CSA C22.2)
  - 2) NEMA 2 VENTILATED ENCLOSURE. ENCLOSURE RATED FOR NEMA 3R WHEN OPTIONAL WEATHERSHIELD ACCESSORY IS INSTALLED.
  - 3) MINIMUM CLEARANCE OF 3.00[76] BETWEEN VENT OPENINGS, WALL OR OTHER OBSTRUCTION
  - 4) SHADED AREAS DENOTE CUSTOMER CONDUIT ENTRANCE LOCATIONS, AVAILABLE BOTH SIDES AND BOTTOM

DUAL DIMENSIONS: INCHES  
 MILLIMETERS



**SQUARE D**  
 Schneider Electric

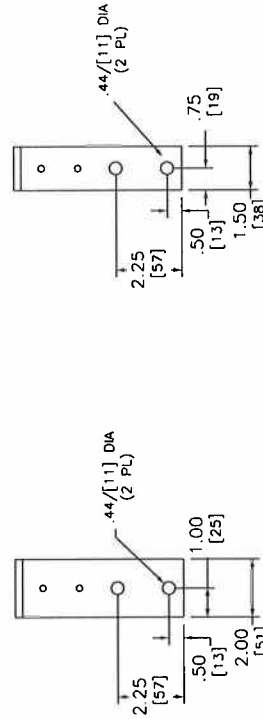
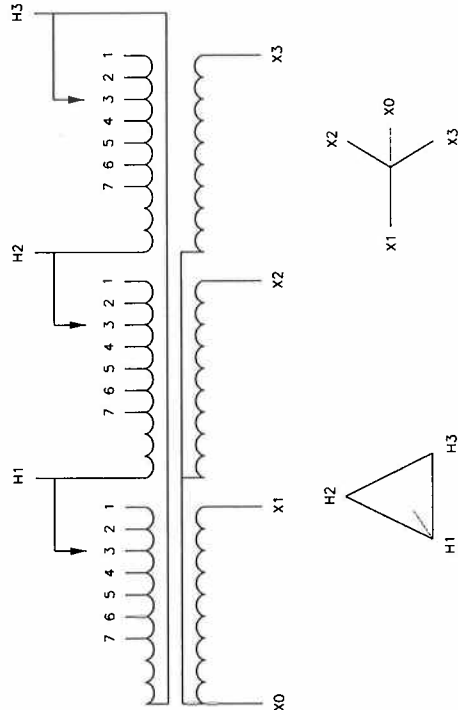
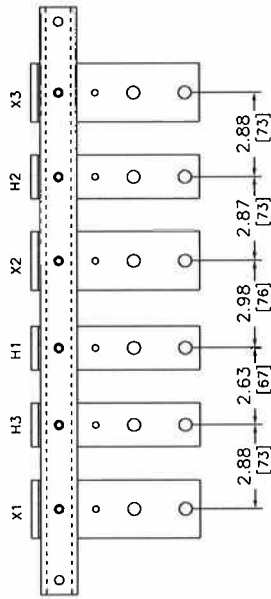
LOW VOLTAGE ENERGY EFFICIENT, TP1, ENERGYSSTAR DRY-TYPE TRANSFORMER  
 CATALOG NO EE112T3H  
 3 PHASE 112.5KVA AL  
 PRIMARY 480 DELTA, SECONDARY 208Y/120

DWG# P1-3474917212-EEAL  
 NO.

REF DWG #5817

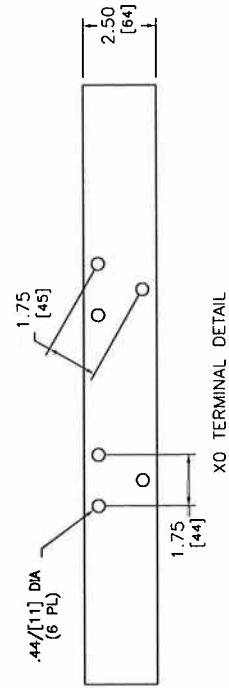
MARCH 2006

IN EACH PHASE CONNECT TO TAPS	
PRIMARY VOLTS	2-2.5% FCAN 4-2.5% FCBN
504	1
492	2
480	3
468	4
456	5
444	6
432	7



H TERMINAL DETAIL

X TERMINAL DETAIL



XO TERMINAL DETAIL

DUAL DIMENSIONS: INCHES  
MILLIMETERS

LOW VOLTAGE ENERGY EFFICIENT, TP1, ENERGYSTAR  
 DRY-TYPE TRANSFORMER,  
 CATALOG NO. E111273H,  
 3 PHASE, 112.5KVA, AL  
 PRIMARY 480 DELTA, SECONDARY 208Y/120



Schneider Electric

DWG# P2-3474917212-EEAL  
 NO.



