



Receiving, Handling, and Storage

ALL UNITS MUST BE INSPECTED FOR ANY SIGN OF TAMPERING OR DAMAGE PRIOR TO ACCEPTING DELIVERY OF YOUR TURFBREEZE FAN. ANY DAMAGES MUST BE NOTED ON THE BILL OF LADING ALONG WITH THE SIGNATURE OF THE DRIVER MAKING THE DELIVERY. ONCE THE DELIVERY HAS BEEN ACCEPTED, ANY AND ALL LIABILITY IS TRANSFERRED FROM TURFBREEZE TO THE RECEIVING PARTY.

TurfBreeze fans are carefully inspected before the leaving factory, but all nuts, bolts, and fasteners should be checked prior to installation to ensure vibration during shipping has not caused any of them to become loose.

Care must be taken when transporting the fans from the receiving location to the desired storage or installation site. It is recommended that equipment featuring lifting forks be used to transport the entire crate and or pallet as it was shipped from TurfBreeze. If lifting fork equipment is not available for transporting the assembly as shipped, the components must be removed from the packaging and moved individually. Always be sure to use caution and your best judgment when lifting heavy objects. A lifting lug on the top of the fan housing has been provided for hoisting the fan and oscillating assembly during installation or transporting the fan and oscillating assembly to the installation site. This lifting point is only designed to support the combined weight of the fan and oscillating assembly. The fan pole and any other items that may be contributing additional weight should be disconnected or removed before lifting the fan and oscillating assembly by the provided lifting lug. When transporting always be sure to add additional support straps to prevent potential damage due to excessive spinning, swinging, or other instability while underway. NEVER DROP THE FAN as this will almost always cause the housing to become out of round. If a fan is accidentally dropped always check the impeller (fan blade) tip clearance prior to powering the fan to ensure that there is no contact with the housing.

If the fans are to be stored for an extended period of time, such as over the winter, it is recommended that they be cleaned and coated with a rust inhibiting aerosol lubricant such as WD-40 prior to storing. The fans should be stored in a dry area shielded from the weather. If a protected storage area is not available TurfBreeze fan covers, custom tailored for each model fan, are available upon request by calling (866) 641-6663.

Installation

- 1) Install ground pole per the instructions on installation drawing on page 8. Note that the use of the valve box is recommended, but not required. Once the ground pole has been inserted into the concrete and positioned and leveled properly, allow the concrete to cure at least two weeks before continuing on to step two.
- 2) Install the fan pole after the ground pole installation has been allowed to cure two weeks. First route the wires through the fan poles as shown in the attached wire routing diagrams, then bolt it to the ground pole base. Note that it is recommended to install all wiring through pole prior to installing the fan pole as wire routing is significantly easier before the pole is mounted. It is also recommended that fan pole be oriented such that the holes for field wiring are facing away from the green.
- 3) Lift the fan and remove the (2) large U-Bracket bolts holding it to the crate. Position the oscillating base assembly, and re-install the large U-Bracket bolts through the base tabs on the fan housing. Fasten the tilt adjustment rod to the tilt tab on the bottom of the fan and install the rod end assembly as shown in Figure 1 for TB-50 models and Figure 2 for TB30 and TB 36 applications.

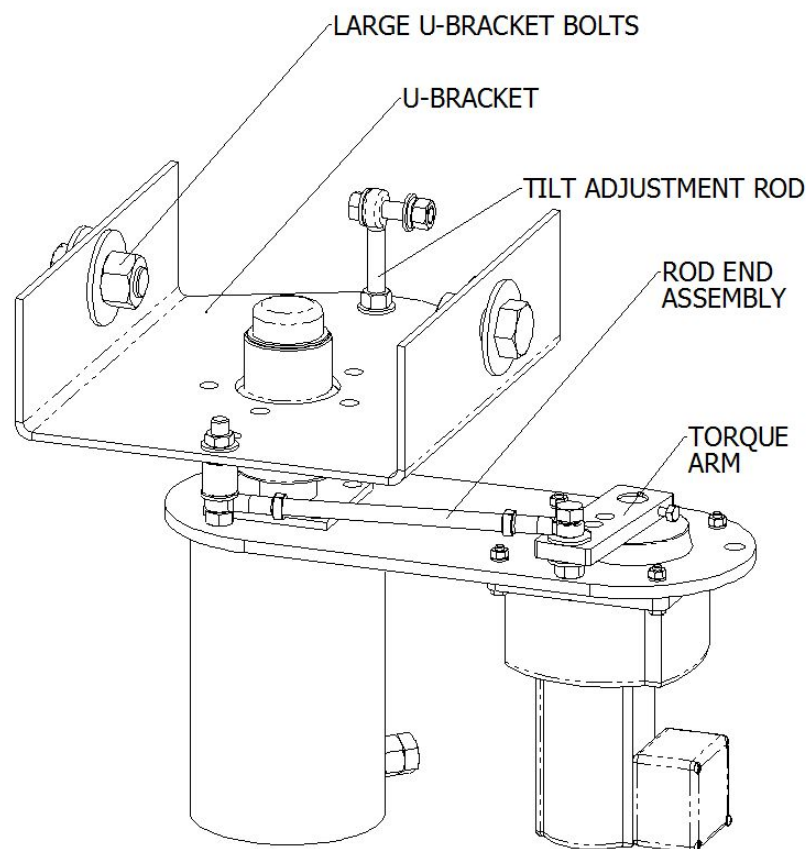


Figure 1: TB-50 Oscillating Assembly

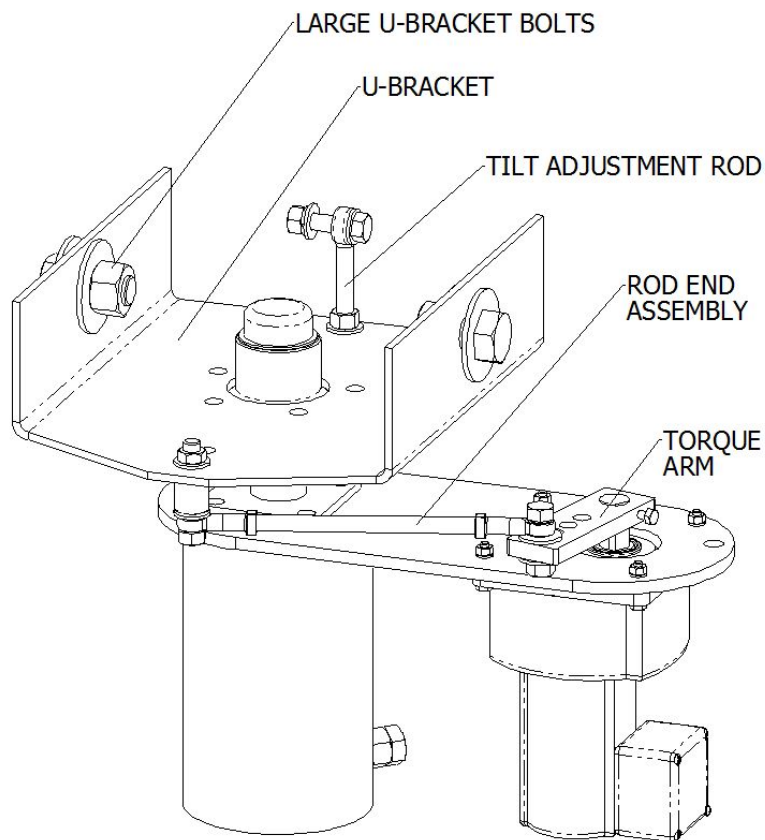


Figure 2: TB-30 & TB-36 Oscillating Assembly

- 4) Place the fan and oscillating assembly on top of the fan pole with the set bolts facing away from the green. Starting at the top, lightly tighten the (4) set bolts to square the oscillating assembly on the fan pole (see included Fan Component Diagram for general part locations and identification). Once each of the (4) set bolts are snug, finish tightening each bolt such that the fan doesn't spin when given a moderate push on side of the inlet bell. Be careful not to over tighten the bolts or they may strip or cause excessive deformation of the pole creating a weak area just below the oscillating assembly.

Wiring

- 1) All wiring methods (except any pre-wired components) detailed in this documentation are suggestive and are not intended to take precedence over any local electrical, safety, or building codes. Always operate and install any TurfBreeze products in accordance with all local and national safety codes.
- 2) Use stranded wire only for final connections on oscillating fans to avoid wire failure due to cyclic bending.
- 3) See attached drawings for wiring and wire routing details.

Start Up

- 1) Visually inspect inside the fan for any tools or foreign objects.
- 2) Rotate the wheel by hand. It should have a minimum of ¼" clearance at all points.
- 3) Bump the fan to check rotation by briefly switching power on and off.
- 4) Start fan with amp meter attached (use inductive clamp on style meters). Fan should be at full speed and operating amps in 7 seconds. If it is not, shut down immediately or the motor will be damaged. If this situation occurs, record measured voltages and current (amps), fan motor nameplate voltage and phase, power supply voltage and phase, supply wire size, and length of supply wires. With a list of the above information call TurfBreeze for technical assistance. Toll-Free (866) 641-6663.
- 5) Visually inspect oscillating system through a minimum of (2) two cycles to insure that it is operating correctly without interference to any of the linkage components.
- 6) Measure electrical voltage and amps at a safe location within 10 feet of the motor. Voltage must be within +/- 10% of nameplate rating on motor.
- 7) Adjust rod end assembly position in the torque arm to fine tune green coverage. If more coverage is required, move the connection outward away from the gear motor's shaft. If coverage is still insufficient, move the rod end connection at the U-Bracket to the next hole closer to the center of the fan. Loosen the (4) set bolts and rotate entire assembly for overall coverage adjustment to the left or right. Re-tighten bolts per the instructions given in step 4 of the Installation section.

NOTE: Belts will stretch appreciably during break-in and often need to be tightened after the first week of operation. See Belt Tension Section for details and instructions.

Maintenance

- 1) Do not attempt maintenance on fan until the electrical supply has been completely disconnected and locked-out. If the Turf Breeze Control Package has not been provided, or no lockable disconnect switch has been installed, remove all fuses from the circuit and lock the fuse panel or breaker box so the fan cannot accidentally be powered while performing maintenance.
- 2) Inspect and lubricate the Rod-end assembly joints periodically using a liquid lubricant such as WD-40. Inspect V-belts for tightness. If the fan is installed in a corrosive or dirty atmosphere, periodically clean the impeller, inlet and other moving parts using a rag and WD-40.

Fan Shaft Lubrication (Standard TB-50 only)

The fan shaft pillow block bearings furnished are grease-able and should be greased a minimum of ONCE A YEAR. Over greasing or use of a high pressure grease gun can blow-out or unseat the seals and significantly reduce bearing life. When greasing is required, first disconnect and lock out all power, apply grease while turning the shaft by hand. DO NOT grease until grease begins to seep out of the bearing seal. At this point the seal has already been damaged. Using a manual hand operated grease gun there should be a slight increase in resistance as grease is pumped, indicating that the bearing is full.

Note: The fan shaft pillow block bearings furnished with the Premium fans are permanently sealed and require no preventive maintenance (greasing) for the life of the fan.

Belt Tension (50" Fans Only)

V - belt drives

V-belt drives must be checked on a regular basis for wear, tension, alignment and dirt accumulation (see model specific adjustment procedures for recommended inspection intervals). Premature or frequent belt failures can be caused by improper belt tension (either too loose or too tight) or misaligned sheaves (pulleys). Abnormally high belt tension or drive misalignment will cause excessive bearing loads and may result in failure of the fan and/or motor bearings. Conversely, loose belts will cause squealing on start-up, excessive belt flutter, slippage and overheated sheaves. Excessively loose or tight belts may cause fan vibration.

Always replace all of the belts in a multi-belt system at the same time to insure uniform drive loading. Failure to do so may result in bearing and or motor failure. Do not pry belts on or off the pulleys. Loosen belt tension until belts can be removed by simply lifting the belts off the pulleys. After replacing belts, ensure the slack in each belt is on the same side of the drive. Belt dressing should never be used. If the belts are squealing or slipping then they are either improperly tensioned or need to be replaced.

It is imperative that the belt tension be checked at least two times during the first 24 hours of operation. During this time period, the belts will stretch quickly or "break-in" and can become loose enough to cause damage if slipping occurs. The tension can be checked monthly or roughly every 720 hours thereafter. Never install new belts on worn sheaves. If the sheaves have grooves worn in them, they must be replaced before new belts are installed.

Belt Tensioning (Standard TB-50)

If belts are slipping during start up, the tension should be increased. Do not over tighten v-belts, as bearing damage will occur. Belt deflection should be around 0.25" with 5 lbs. of force as

shown in Figure 3. Inspect belts yearly for cracks, dry-rotting, or any other signs of excessive wear and replace as needed. Do not force new belts over the pulleys; first loosen the motor plate bolts and use the belt adjustment rods to raise or lower the motor as needed. Be sure to maintain proper alignment when retightening the adjustment rods. Pulley alignment can be checked by laying a straight edge across the face of the top and bottom pulley. The straight edge should make even contact across the faces of both the top and bottom pulley simultaneously as shown in Figure 3.

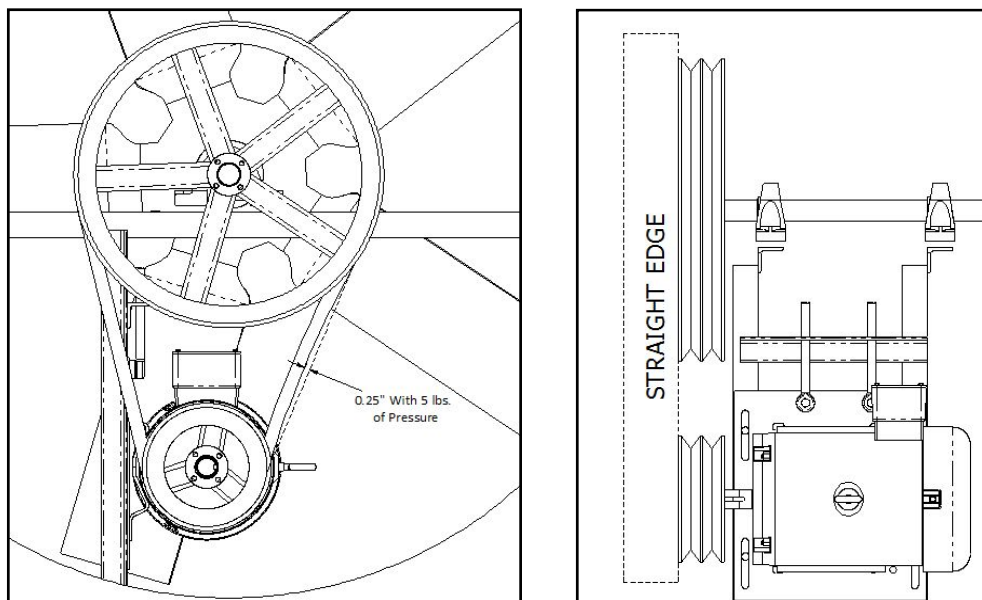


Figure 3: Belt Tensioning and Pulley Alignment

Belt Tensioning (TurfBreeze Premium - 50")

The proper tension for operating a V-belt drive is the lowest tension at which the belts will not slip at peak load conditions. Belts are adjusted by raising or lowering the motor pivot plate (see Figure 4 for details). For tensioning, the proper belt deflection half-way between sheave centers is $1/64$ of the belt span. For TurfBreeze Premium fans the belt deflection should be less than $1/2$ " using moderate thumb pressure near the mid-point of the free belt span (free span depicted in Figure 3 on page 5).

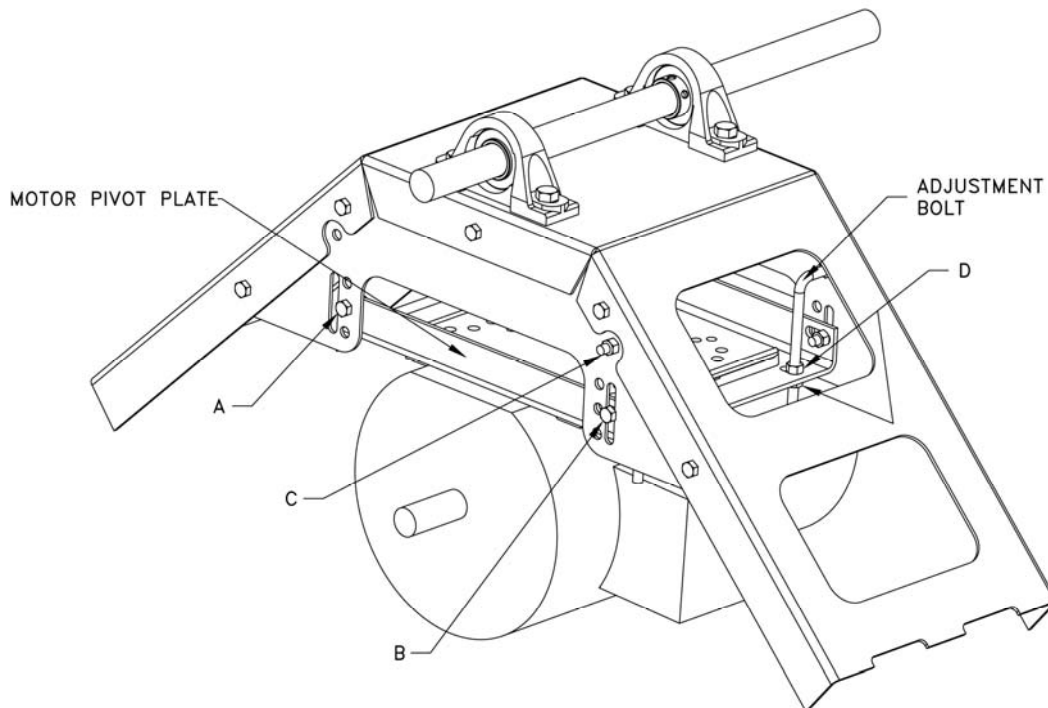


Figure 4: Belt Tensioning

Motor pivot plate adjustment (belt tensioning)

Follow the following steps:

1. Loosen fasteners A, B, & C on both sides of the drive frame.
2. Loosen and adjust jam nuts (D) on both adjustment bolts equally to obtain proper belt tension.
3. Tighten jam nuts (D).
4. Tighten fasteners A, B, & C on both sides of drive frame.

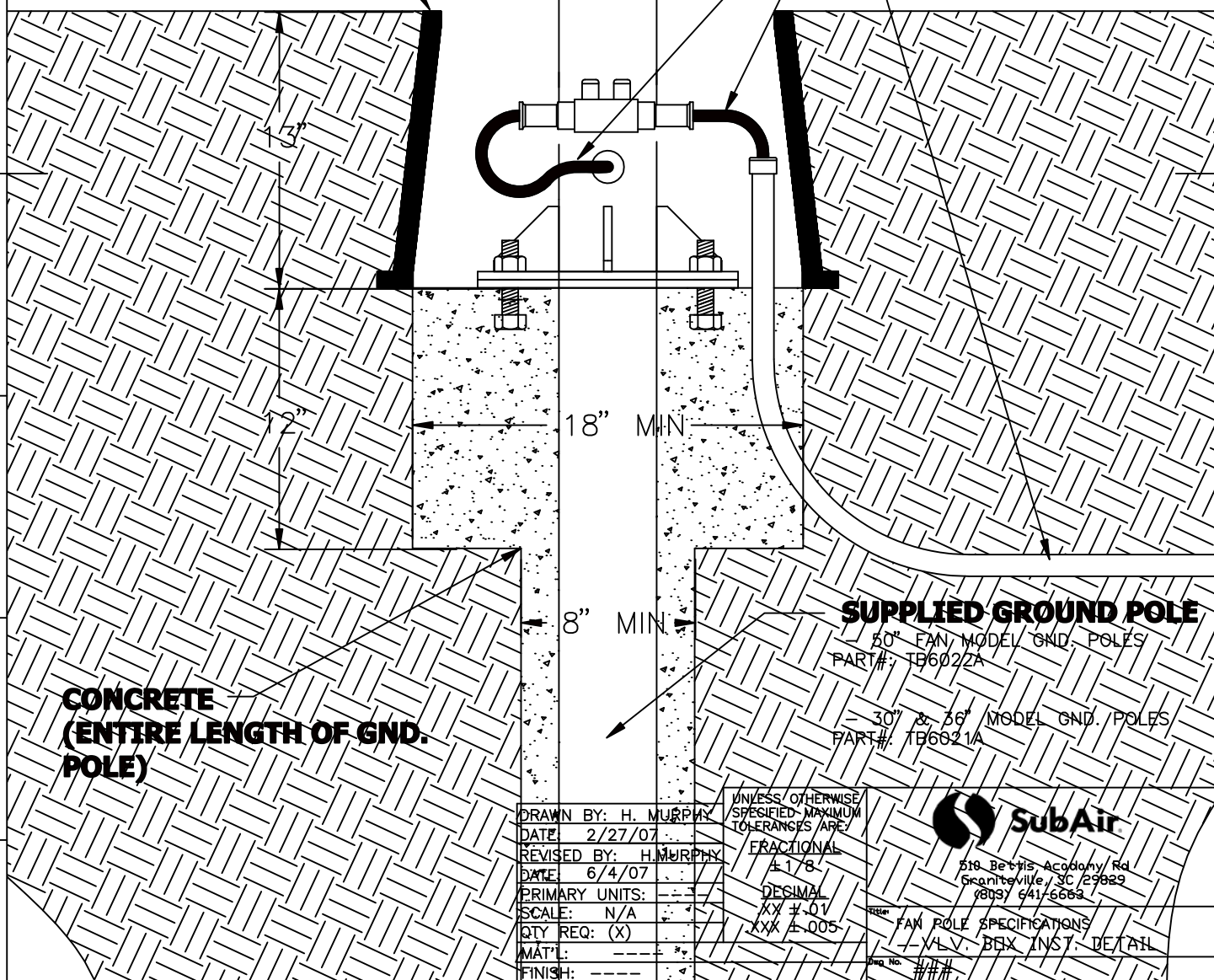
GROUND POLE VALVE BOX INSTALLATION DETAIL

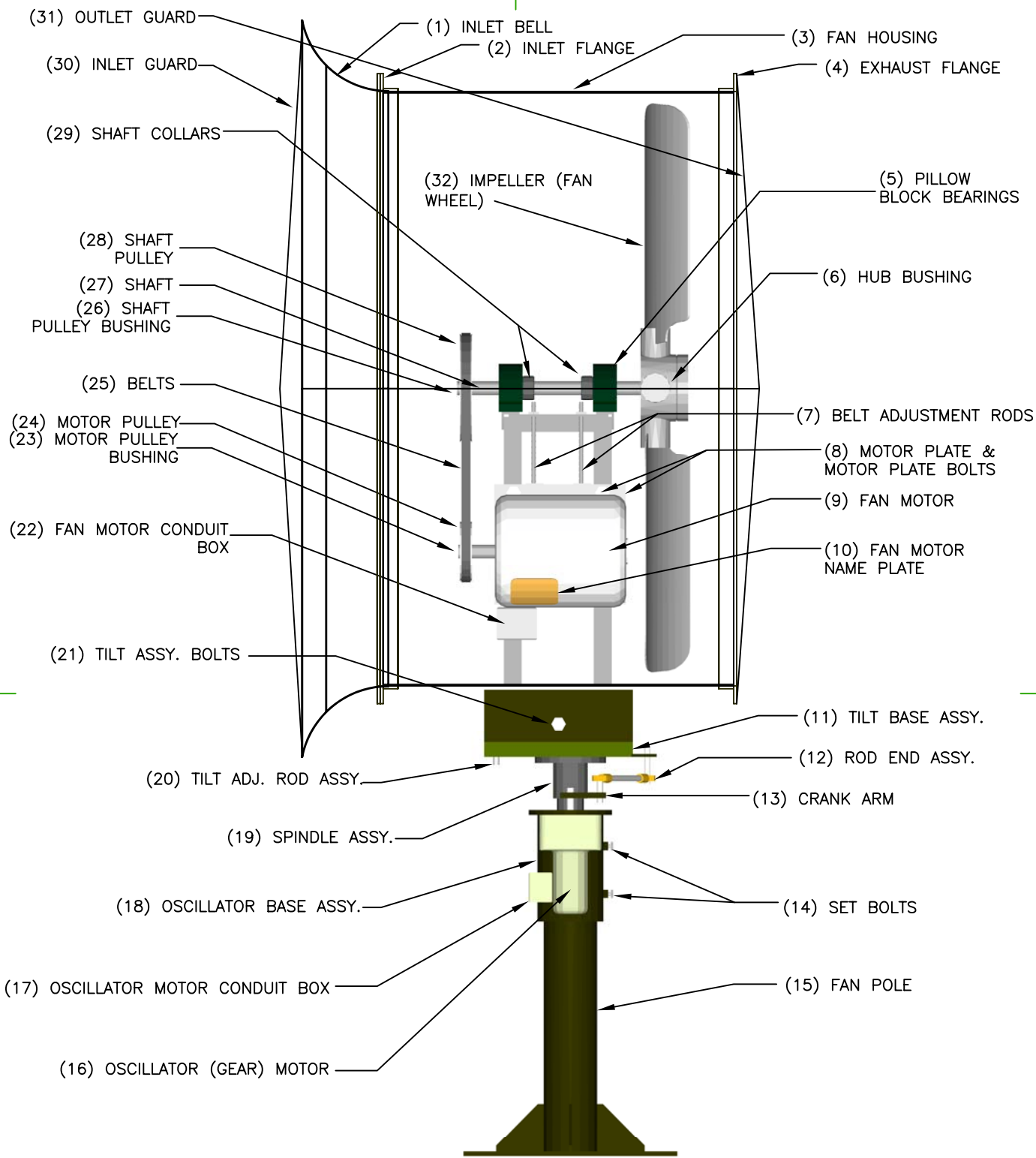
SUPPLIED FAN POLE

NOTE:
- ALL CONCRETE DIMENSIONS ARE MINIMAL

VALVE BOX (OPTIONAL)


CUSTOMER TO PROVIDE SUPPLY POWER WIRING, CONDUIT W/ LIQUID TIGHT FITTING (RECOMMENDED IF CONDUIT USED), INSTALLATION/ASSEMBLY, & CONCRETE (MIN 422LB OF CONCRETE IF HOLE AS DIMENSIONED HERE)





DRAWN BY: H.MURPHY
 DATE: 5/10/07
 REVISED BY: H.MURPHY
 DATE: 6/4/07
 PRIMARY UNITS: -----
 SCALE: N/A
 QTY REQ: (X)
 MAT'L: -----
 FINISH: -----

UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
 FRACTIONAL
 ± 1/8
 DECIMAL
 .XX ± .01
 .XXX ± .005

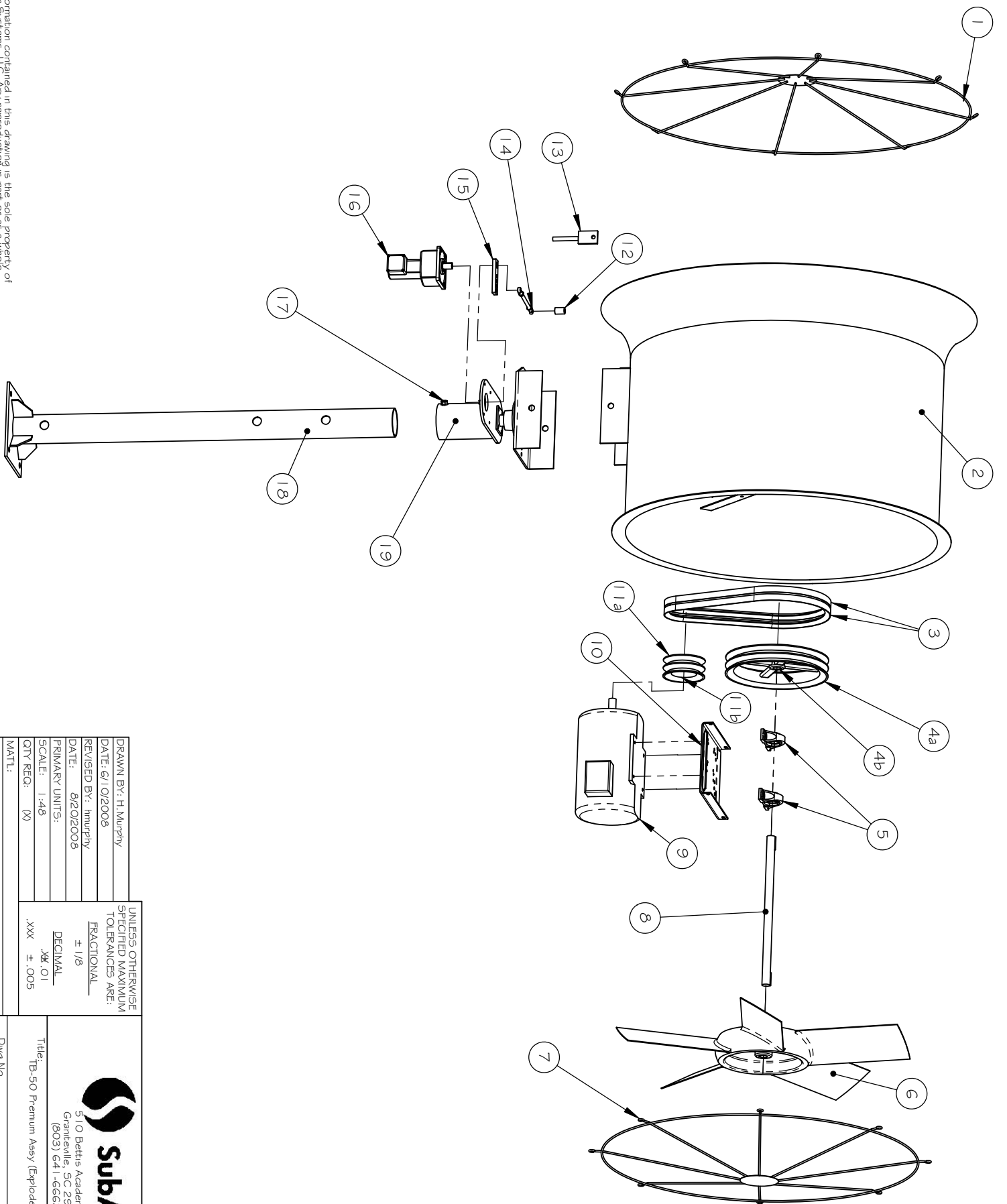
 **SubAir.**
 510 Bettis Academy Rd
 Graniteville, SC 29829
 (803) 641-6663

Title: T.B. FAN COMPONENT DIAG.
 50" FANS
 Dwg No. ###


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Turf Breeze, LLC
Parts List for TB50 Electric Fan

Item #	Part #	Description	Qty Required
1	TB8011A	Inlet Bell	1.00
2	TB8007A	Inlet Flange	1.00
3	TB8003A	Fan Housing	1.00
4	TB8007A	Exhaust Flange	1.00
5	TB8526A	Pillow Block Bearing	2.00
6	TB8511A	Impeller (Fan Wheel) Hub Bushing	1.00
7	TB8121A	Belt Adjustment Rods	2.00
8	TB8636A	Motor Plate	1.00
9		Fan Motor	1.00
	TB8604A	5 HP 230 Volt 1Ø	
	TB8606A	5 HP 230/460 Volt 3Ø	
	TB8609A	7.5HP 230/460 Volt 3Ø	
	TB8611A	7.5 HP 230 Volt 1Ø	
	TB8618A	3 HP 230 Volt 1Ø	
10		Fan Motor Name Plate (Part of Motor)	-
11	TB8122A	Tilt Base Assy	1.00
12	TB7550A	Rod End Assy	1.00
13	TB8580A	Crank Arm (Part of Osc Assy)	1.00
14	TB8123A	Set Bolts (Part of Osc Assy)	2.00
15	TB6001A	Fan Pole	1.00
16	TB8631A	Oscillator (Gear) Motor	1.00
17	TB8302A	Oscillator Motor Conduit Box (Part of Motor)	1.00
18	TB8523A	Oscillator Base Assy	1.00
19	TB8524A	Spindle Assy (Part of Osc Assy)	-
20	TB8124A	Tilt Adjustment Rod Assy (Part of Osc Assy)	1.00
21	TB8125A	Tilt Assy Bolts (Part of Osc Assy)	2.00
22		Fan Motor Conduit Box (Part of Motor)	-
23		Fan Motor Pulley Bushing	1.00
	TB8506A	Motor Pulley Bushing, 3 & 5 Hp Models	
	TB8507A	Motor Pulley Bushing, 7.5 Hp Models	
24		Fan Motor Pulley	1.00
	TB8517A	Motor Pulley, 3 Hp Models	
	TB8520A	Motor Pulley, 5 Hp Models	
	TB8521A	Motor Pulley, 7.5 Hp Models	
25		Belts	2.00
	TB8501A	Belt; 3 Hp Models	
	TB8502A	Belt; 5 Hp Models	
	TB8503A	Belt; 7.5 Hp Models	
26	TB8508A	Shaft Pulley Bushing	1.00
27	TB8522A	Shaft	1.00
28	TB8516A	Shaft Pulley Bushing	1.00
29		Shaft Collars (Part of Pillow Block Bearing TB8526A)	-
30	TB8015A	Inlet Guard	1.00
31	TB8019A	Outlet Guard	1.00
32	TB8203A	Impeller (Fan Wheel)	1.00
	TB6022A	Ground Pole (Not Shown)	1.00

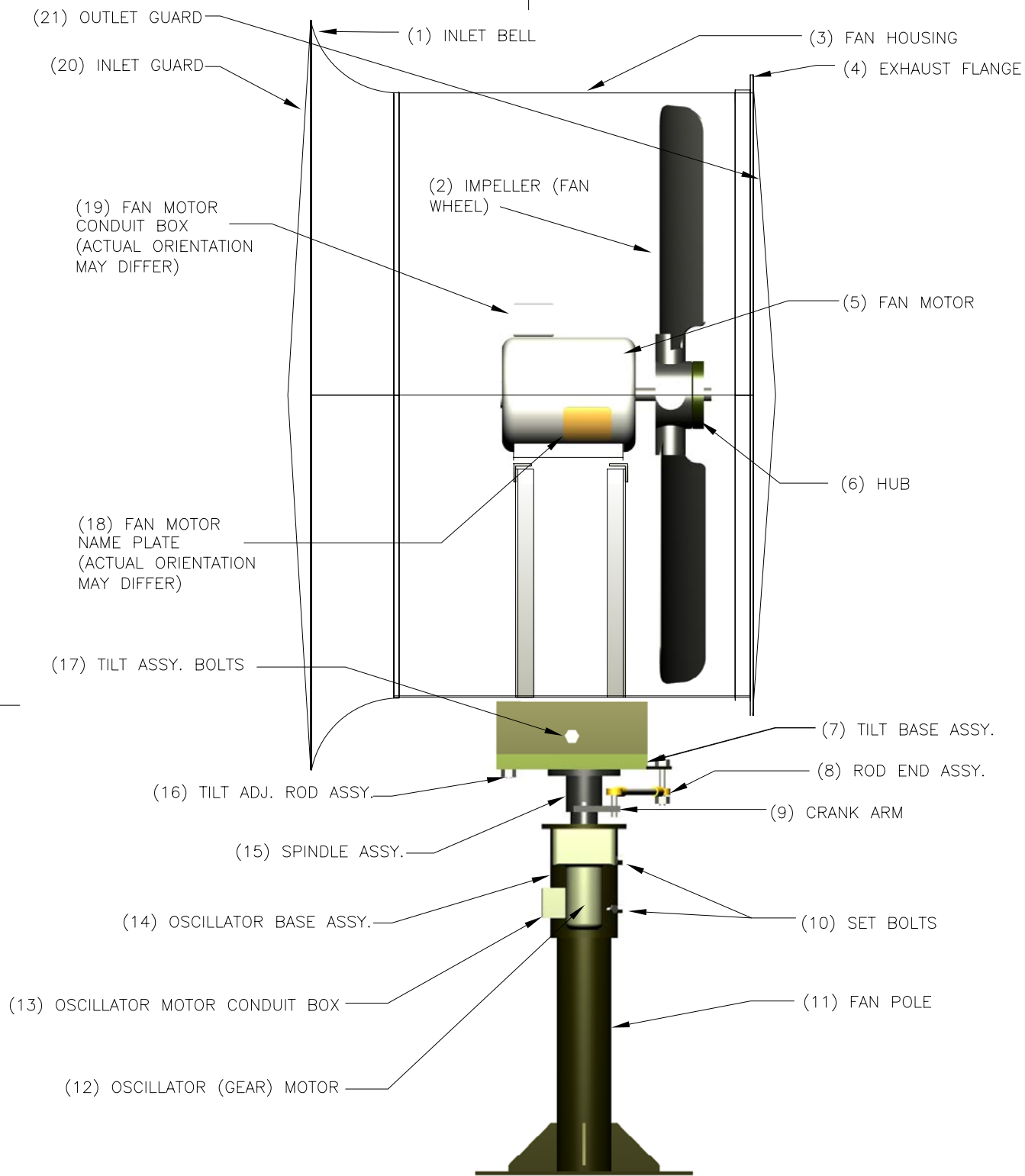


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DRAWN BY: H. Murphy		UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
DATE: 6/10/2008		
REVISED BY: H. Murphy		FRACTIONAL
DATE: 8/20/2008		± 1/8
PRIMARY UNITS:		DECIMAL
SCALE: 1:48		.XX .01
QTY REQ: (X)		.XXX ± .005
MATERIAL:		
FINISH:		
Dwg No.		 <p>510 Bettis Academy Rd Graniteville, SC 29829 (803) 641-6663</p>
Title: TB-50 Premium Assy (Exploded)		

Turf Breeze, LLC
Parts List for TB50 Premium Electric Fan

Item #	Part #	Description	Qty Required
1	TB8015P	Inlet Guard	1
2	TB8003P	Fan Housing	1
3		Belts	2
	TB8501P	Belt; 3 Hp Models	
	TB8499P	Belt; 5 Hp Models	
	TB8507P	Belt; 7.5 Hp Models	
4a		Shaft Pulley	1
	TB8540P	Shaft Pulley; 3 Hp Models	
	TB8516P	Shaft Pulley; 5 Hp Models	
	TB8516P	Shaft Pulley; 7.5 Hp Models	
4b		Shaft Pulley Bushing	1
	TB8508P	Shaft Pulley Bushing; 3 Hp Models	
	TB8508P	Shaft Pulley Bushing; 5 Hp Models	
	TB8508P	Shaft Pulley Bushing; 7.5 Hp Models	
5	TB8526P	Pillow Block Bearing	2
6	TB8022P	Impeller (Fan Wheel) Hub Bushing	1
7	TB8019P	Outlet Guard	1
8	TB8522P	Impeller Shaft	1
9		Fan Motor	1
	TB8618P	3 HP 208-2301Ø	
	TB8613P	3 HP 208-230/460 Volt 3Ø	
	TB8604P	5 HP 208-2301Ø	
	TB8606P	5 HP 208-230/460 Volt 3Ø	
	TB8611P	7.5 HP 208-2301Ø	
	TB8609P	7.5 HP 208-230/460 Volt 3Ø	
10	TB8024P	Motor Plate	1
11a		Fan Motor Pulley	1
	TB8517P	Motor Pulley, 3 Hp Models	
	TB8520P	Motor Pulley, 5 Hp Models	
	TB8521P	Motor Pulley, 7.5 Hp Models	
11b		Fan Motor Pulley Bushing	1
	TB8506P	Motor Pulley Bushing, 3 Hp Models	
	TB8506P	Motor Pulley Bushing, 5 Hp Models	
	TB8507P	Motor Pulley Bushing, 7.5 Hp Models	
12	-	Rod End Assy Spacer Bushing (Part of Osc Assy)	1
13	TB8124A	Tilt Adjustment Rod Assy (Part of Osc Assy)	1
14	TB7550A	Rod End Assy (Part of Osc Assy)	1
15	TB8580A	Crank Arm (Part of Osc Assy)	1
16	TB8631A	Oscillating (Gear) Motor (Part of Osc Assy)	1
17	TB8123A	Set Bolts (Part of Osc Assy)	4
18	TB6001A	Fan Pole	1
19	TB8523A	Oscillator Assy	1
	TB6022A	Ground Pole (Not Shown)	1



DRAWN BY:	H.MURPHY
DATE:	5/10/07
REVISED BY:	H.MURPHY
DATE:	6/4/07
PRIMARY UNITS:	----
SCALE:	N/A
QTY REQ:	(X)
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FINISH:	----

UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:

FRACTIONAL
± 1/8

DECIMAL
.XX ± .01
.XXX ± .005



510 Bettis Academy Rd
Graniteville, SC 29829
(803) 641-6663

Title: T.B. FAN COMPONENT DIAG.
36" AND SMALLER FANS

Dwg No. ###

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Turf Breeze, LLC
Parts List for TB36 Electric Fan

Item #	Part #	Description	Qty Required
1	TB8010A	Inlet Bell	1.00
2	TB8212A	Impeller (Fan Wheel)	1.00
3	TB8002A	Fan Housings	1.00
4	TB8006A	Exhaust Flange	1.00
5		Fan Motor	1.00
	TB8605A	2 HP 230 Volt 1Ø	
	TB8607A	3 HP 230 Volt 1Ø	
	TB8612A	2 HP 230/460V 3Ø	
	TB8613A	3 HP 230/460v 3Ø	
6		Hub (Part of Wheel Assy)	-
7		Tilt Base Assy	1.00
8	TB7560A	Rod End Assembly	1.00
9	TB8582A	Crank Arm (Part of Osc Assy)	1.00
10		Set Bolts (Part of Osc Assy)	2.00
11	TB6000A	Fan Pole	1.00
12	TB8602A	Oscillator (Gear) Motor	1.00
13		Oscillator Motor Conduit Box (Part of Motor)	-
14	TB8523A	Oscillator Base Assy	1.00
15		Spindle Assy (Part of Osc Assy)	1.00
16		Tilt Adjustment Rod Assy (Part of Osc Assy)	1.00
17		Tilt Assy Bolts (Part of Osc Assy)	2.00
18		Fan Motor Name Plate (Part of Motor)	-
19		Fan Motor Conduit Box (Part of Motor)	-
20	TB8014A	Inlet Guard	1.00
21	TB8018A	Outlet Guard	1.00
	TB6021A	Ground Pole (Not Shown)	1.00

Turf Breeze, LLC
Parts List for TB30 Electric Fan

Item #	Part #	Description	Qty Required
1	TB8009A	Inlet Bell	1.00
2		Impeller (Fan Wheel)	1.00
	TB8210A	2 Hp Wheel	
	TB8211A	3 Hp Wheel	
3		Fan Housing	1.00
	TB8001A	Fan Housings, 30"- 2hp	
	TB8004A	Fan Housings, 30"-3hp	
4	TB8005A	Exhaust Flange	1.00
5		Fan Motor	1.00
	TB8605A	2 HP 230 Volt 1Ø	
	TB8607A	3 HP 230 Volt 1Ø	
	TB8612A	2 HP 230/460V 3Ø	
	TB8613A	3 HP 230/460v 3Ø	
6		Hub (Part of Wheel Assy)	-
7		Tilt Base Assy	1.00
8	TB7560A	Rod End Assembly	1.00
9		Crank Arm (Part of Osc Assy)	1.00
10		Set Bolts (Part of Osc Assy)	2.00
11	TB6000A	Fan Pole	1.00
12	TB8602A	Oscillator (Gear) Motor (Baldor Model)	1.00
13		Oscillator Motor Conduit Box (Part of Motor)	-
14	TB7438A	Oscillator Base Assy	1.00
15		Spindle Assy (Part of Osc Assy)	1.00
16		Tilt Adjustment Rod Assy (Part of Osc Assy)	1.00
17		Tilt Assy Bolts (Part of Osc Assy)	2.00
18		Fan Motor Name Plate (Part of Motor)	-
19		Fan Motor Conduit Box (Part of Motor)	-
20	TB8013A	Inlet Guard	1.00
21	TB8017A	Outlet Guard	1.00
	TB6021A	Fixed Ground Pole (Not Shown)	1.00



Fan Wiring & Control Enclosure Mounting

Actual field mounting configuration of the TurfBreeze Control Enclosure is left to the discretion of the customer. The control enclosures have been designed to accommodate a variety of possible mounting situations in order to provide easy flexible installation. Three recommended installation methods are provided below.

Helpful Tips:

- Run all the wires through the fan pole before mounting it to the base.
- Leave wire leads coming into the control box long enough to make terminal connections with the components outside of the box.
- When removing the fan guards for maintenance or during installation of the control package remove all but one bolt on either the left or right side of the fan housing. Then loosen the remaining bolt just enough to allow the guard to swing down and out of the way as opposed to completely removing the guard.

Recommended Tools and Materials:

*Required tools may vary based on particular method of installation.

- Masking Tape
- Cordless Drill
- Extended Drill Bit Holder (Recommended at least 2.5" long)
- 3/16" Drill Bit
- 5/32" Drill Bit and #10-24 Tap
- 1.25" Diameter "Metal" Hole Saw (for cutting "Metal")
- Center Punch (a pointed metal dowel for making shallow indentations in metal work, as to center drill bits)
- Hammer
- 7/16" Socket/Ratchet & Wrench

Fan Housing Installation

- 1.) Position the Fan Housing Mounting Template in the desired mounting location on the fan housing. Be sure to align the (2) bolt holes as close to parallel with the centerline of the fan as possible (be sure to check inside fan housing for obstruction before drilling) and secure it with masking tape.
- 2.) Using a center punch and hammer, mark the designated hole locations and remove the paper template.
- 3.) Drill each of the (2) horizontal holes with a 3/16" drill bit, and using a 1.25" metal hole-saw drill the large wire way hole as specified on the template.
- 4.) Remove the inlet guard (side with the flared bell) from the fan housing (7/16" nuts and bolts).
- 5.) Remove the enclosure face plate from the enclosure and install the supplied rubber bumpers over the (2) vertical holes on the rear of the enclosure as shown in the Fan Housing Mounting Template. Install the (2) 10-24 x 3/4" screws through the back plane of enclosure and then through 7/32" holes drilled in the fan housing in the previous step.
- 6.) Install the (2) washers and (2) 10-24 lock nuts.
- 7.) If not already performed, route supply power wiring up through fan the pole, bottom of the housing, through side of fan housing, and through enclosure. Route oscillator motor wires through enclosure, through bottom of fan, and out to oscillator motor conduit box. Route fan motor wires through enclosure and into fan motor conduit box. (Wire should be secured motor support cross-members. See "Wire Routing for Fan Housing Mounted Control Boxes" drawing)
- 8.) Re-install inlet guard.
- 9.) Terminate all wires as designated in the provided electrical schematic and re-install enclosure face plate.

Fan Pole Installation

- 1.) Align the fan pole adapter's large control wiring hole with the control wiring hole in the fan pole (which will be located approximately 39" from the base on fan poles taller than 5'). The control wiring hole in the back of the fan pole adapter and enclosure are left of center so be sure to align them so that the wires will pass easily through both the fan pole and fan pole adapter.
- 2.) While holding the fan pole adapter flush against the fan pole (double check wire way alignment before drilling) insert the 5/32" drill bit through each of the vertically centered holes in the adapter and drill through the fan pole. (Tip: Once the first hole is drilled, thread the hole with the 10-24 tap and install the fastener to hold the adapter on the pole while you finish the second hole.)
- 3.) With the adapter removed from the fan and the face plate removed from the enclosure install the (2) 10-16 x 1/2" self drilling screws through the back plane of enclosure into the pilot holes located in the adapter.
- 4.) If not already done, route the supply wires up through the fan pole and out of the fan pole wire way. Pull the supply wires through the adapter/enclosure assembly wire ways. Route fan and oscillating motor wires back into the fan pole and up to wire exit hole near the top of the pole. Run the oscillator motor wire to the conduit box located on the oscillating motor and route the fan motor wires up through the bottom of the fan housing to the conduit box on the fan motor (See "Wire Routing for Fan Pole Mounted Control Boxes" drawing).
- 5.) Pull all the wire leads through the enclosure and adapter and install the 10-24 x 3/4" thread forming screws through the enclosure, adapter, and into the holes in the fan pole made in Step 2.

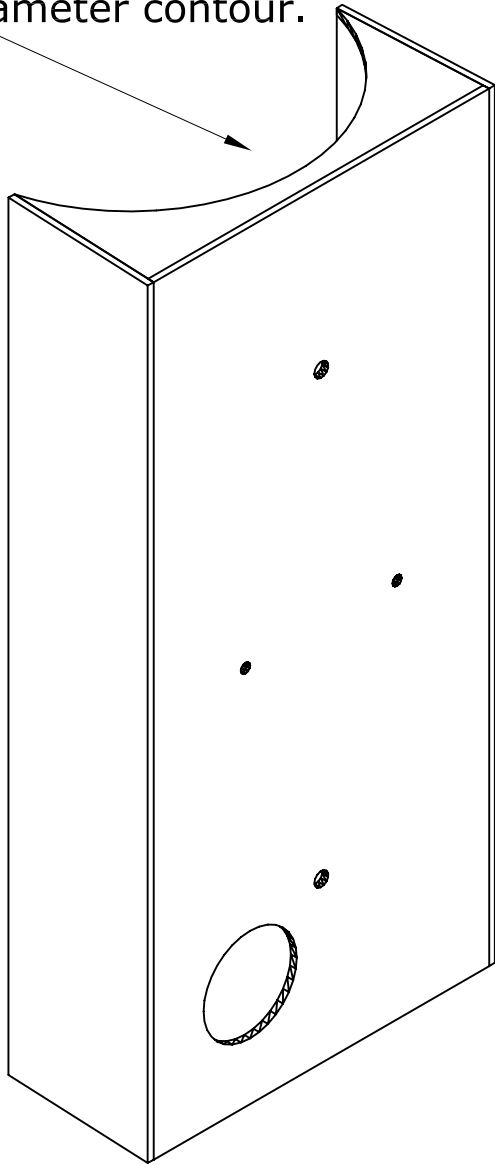
- 6.) Terminate all wires as designated in the provided electrical schematic and re-install enclosure face plate.

Remote Installation

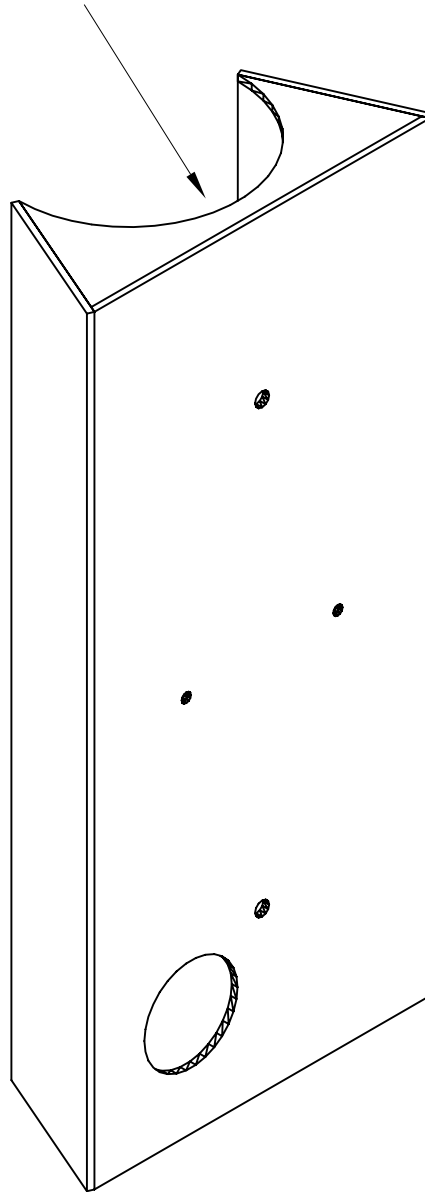
- 1.) Remove enclosure face plate.
- 2.) Mount the enclosure to desired support member using the (4) holes located in the back plane. (holes in back plane are sized for a #10 screw)
- 3.) Remove knockout plugs in the bottom of the enclosure and install desired conduit fittings. (enclosure accepts (3) $\frac{3}{4}$ " NPT fittings)
- 4.) Pull wires up through the conduit fittings and terminate as specified in the provided wiring schematic. (Also see "Wire Routing for Remote Mounted Control Boxes" drawing)
- 5.) Re-install face plate.

If additional technical assistance is needed feel free to call us at (803)641-6663, or visit us on the web at www.turfbreeze.com.

Large pole adapters for 50" fans.
4.5" Diameter contour.



Small pole adapters for 36" &
30" fans. 3" Diameter contour.



DRAWN BY: H.MURPHY
 DATE: 11/19/07
 REVISED BY: Name
 DATE: --/--/--
 PRIMARY UNITS: ----
 SCALE: N/A
 QTY REQ: (X)
 MAT'L: 14 GA. STEEL
 FINISH: DEBURRED, POWDER COATED

UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
 FRACTIONAL
 ± 1/8
 DECIMAL
 .XX ± .01
 .XXX ± .005



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 (803) 641-6663

TBkt: FAN POLE ADAPTERS

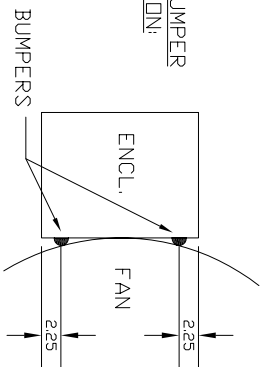
 Dwg No. ###

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FAN HOUSING MOUNTING TEMPLATE

IMPORTANT!
 CONFIRM DIMENSION SHOWN WITH RULER TO INSURE PRINTER CONFIGURATION HAS NOT ALTERED SCALE.

SUPPORT BUMPER INSTALLATION:




9.15



ALIGN PARALLEL WITH FAN HOUSING CENTER-LINE

IF WIRING THROUGH FAN HOUSING DESIRED; MARK CENTER & DRILL THRU W/ 1.25" DIA. METAL HOLE SAW (TAKE CARE TO HOLD HOLE SAW BIT SQUARE WITH HOUSING SO BIT DOESN'T TRY TO RUN TO ONE SIDE)

MARK CENTERS & DRILL THRU USING 7/32" BIT (SELF-DRILLING 10-16 x 1/2")

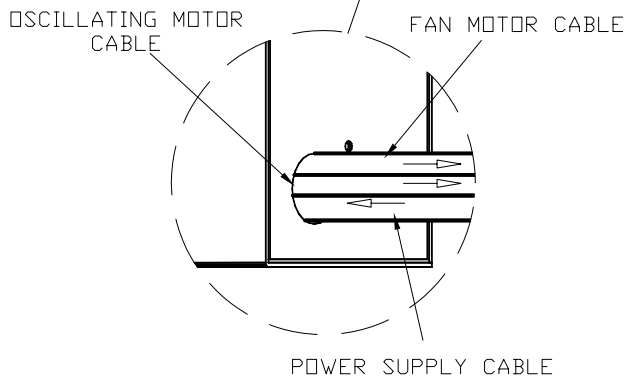
DRAWN BY: HMURPHY		UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:	
DATE: 4/6/07		FRACTIONAL	
REVISED BY: Name		± 1/8	
DATE: --/--/---		DECIMAL	
PRIMARY UNITS: ----		.XX ± .01	
SCALE: N/A		.XXX ± .005	
QTY REQ: (X)			
MATERIAL: ----			
FINISH: ----			
Title: FAN CONTROL INSTALLATION TEMPLATES		 <p>510 Bettis Academy Rd Graniteville, SC 29829 (803) 641-6663</p>	
Draw No: ----			

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REAR OF FAN CONTROL ENCLOSURE SHOWN; SEPERATED FROM FAN HOUSING FOR ILLUSTRATION PURPOSES

SECURE CABLES TO FRAME



WIRE ROUTING FOR CONTROL BOXES MOUNTED ON FAN HOUSING



DRAWN BY:	H.MURPHY
DATE:	5/24/07
REVISED BY:	H.MURPHY
DATE:	6/4/07
PRIMARY UNITS:	----
SCALE:	N/A
QTY REQ:	(X)
MAT'L:	----
FINISH:	----

UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
FRACTIONAL
± 1/8
DECIMAL
.XX ± .01
.XXX ± .005

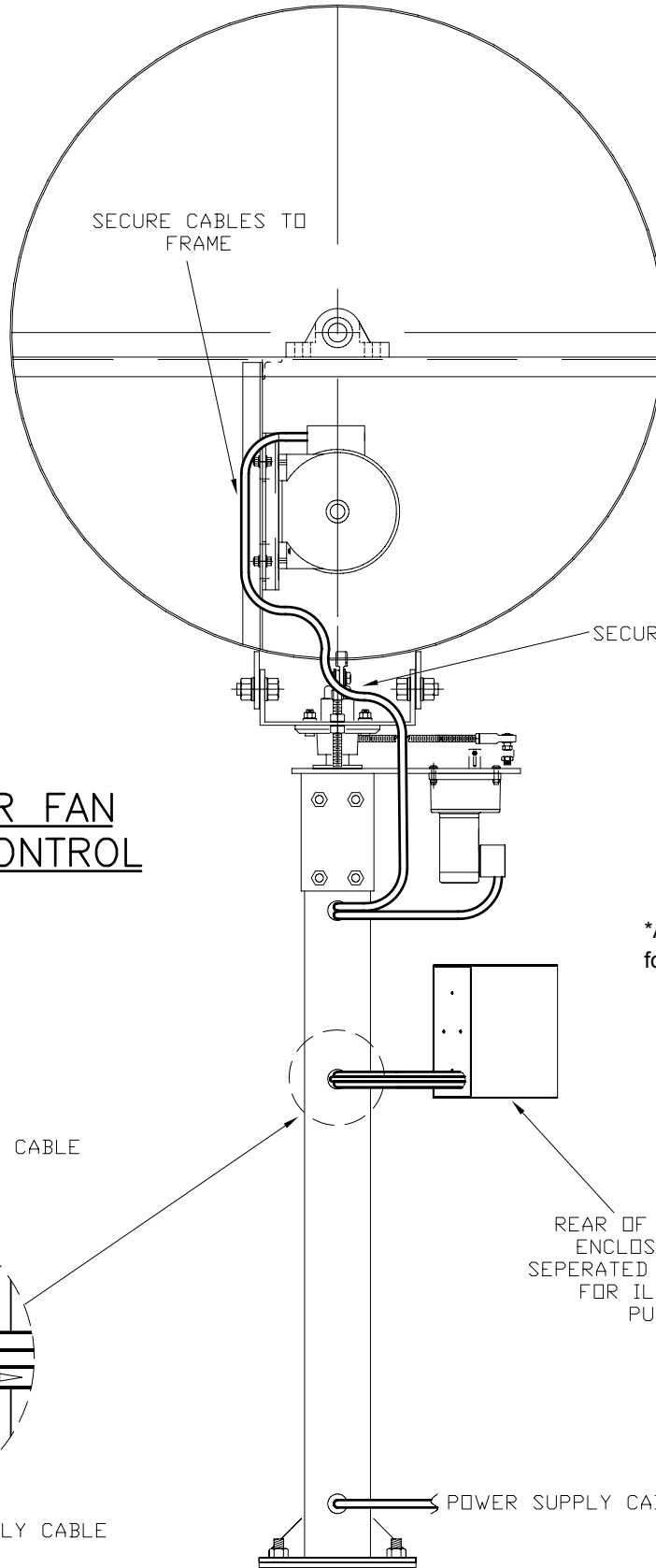


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(803) 641-6663

Title: WIRE ROUTING DIAGRAM

Dwg No. ###

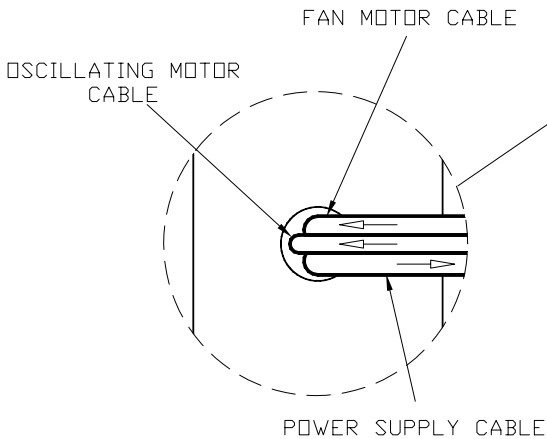
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WIRE ROUTING FOR FAN POLE MOUNTED CONTROL BOXES

*Adapter not shown for clarity.

REAR OF FAN CONTROL ENCLOSURE SHOWN; SEPERATED FROM FAN POLE FOR ILLUSTRATION PURPOSES



DRAWN BY: H.MURPHY	UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
DATE: 5/24/07	
REVISED BY: H.MURPHY	FRACTIONAL
DATE: 6/4/07	± 1/8
PRIMARY UNITS: ----	DECIMAL
SCALE: N/A	.XX ± .01
QTY REQ: (X)	.XXX ± .005
MAT'L: ----	
FINISH: ----	



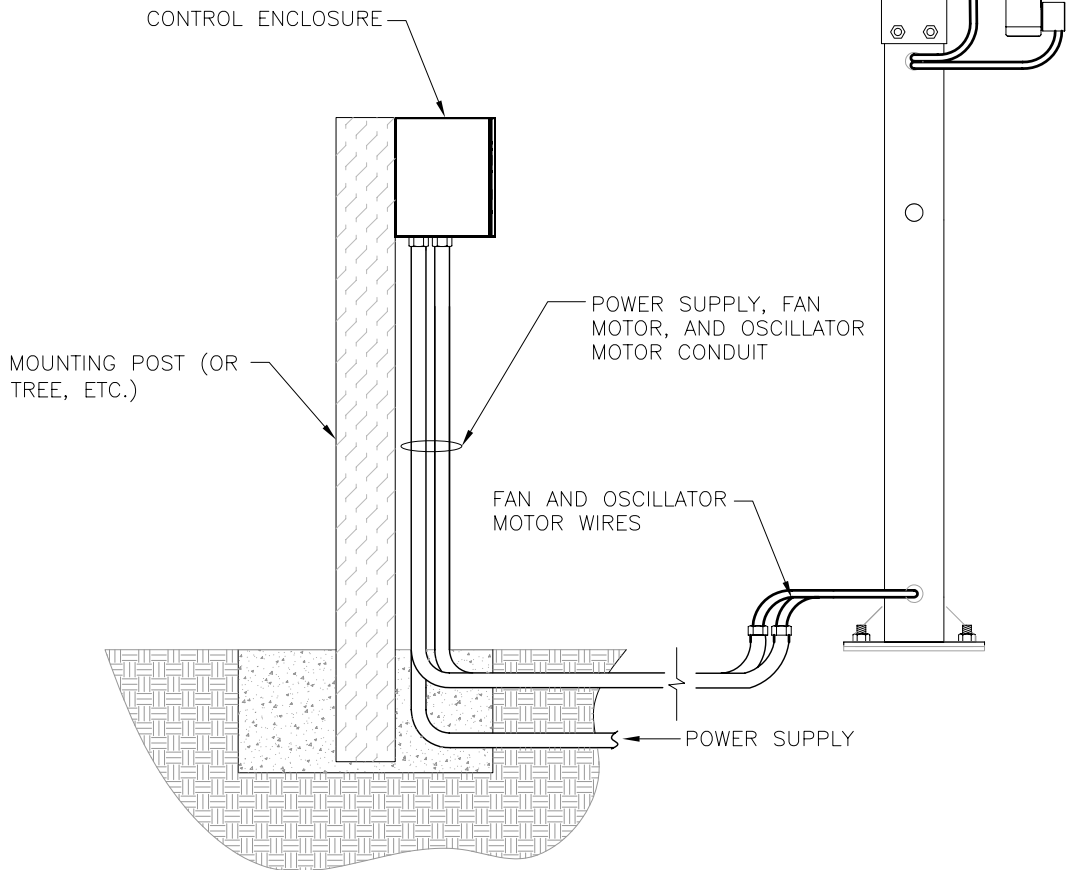
510 Bettis Academy Rd
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(803) 641-6663

Title: WIRE ROUTING DIAGRAM

Dwg No. ###

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WIRE ROUTING FOR REMOTE MOUNTED CONTROL BOXES



DRAWN BY: H.MURPHY
 DATE: 5/24/07
 REVISED BY: H.MURPHY
 DATE: 6/4/07
 PRIMARY UNITS: ----
 SCALE: N/A
 QTY REQ: (X)
 MAT'L: ----
 FINISH: ----

UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
 FRACTIONAL
 ± 1/8
 DECIMAL
 .XX ± .01
 .XXX ± .005

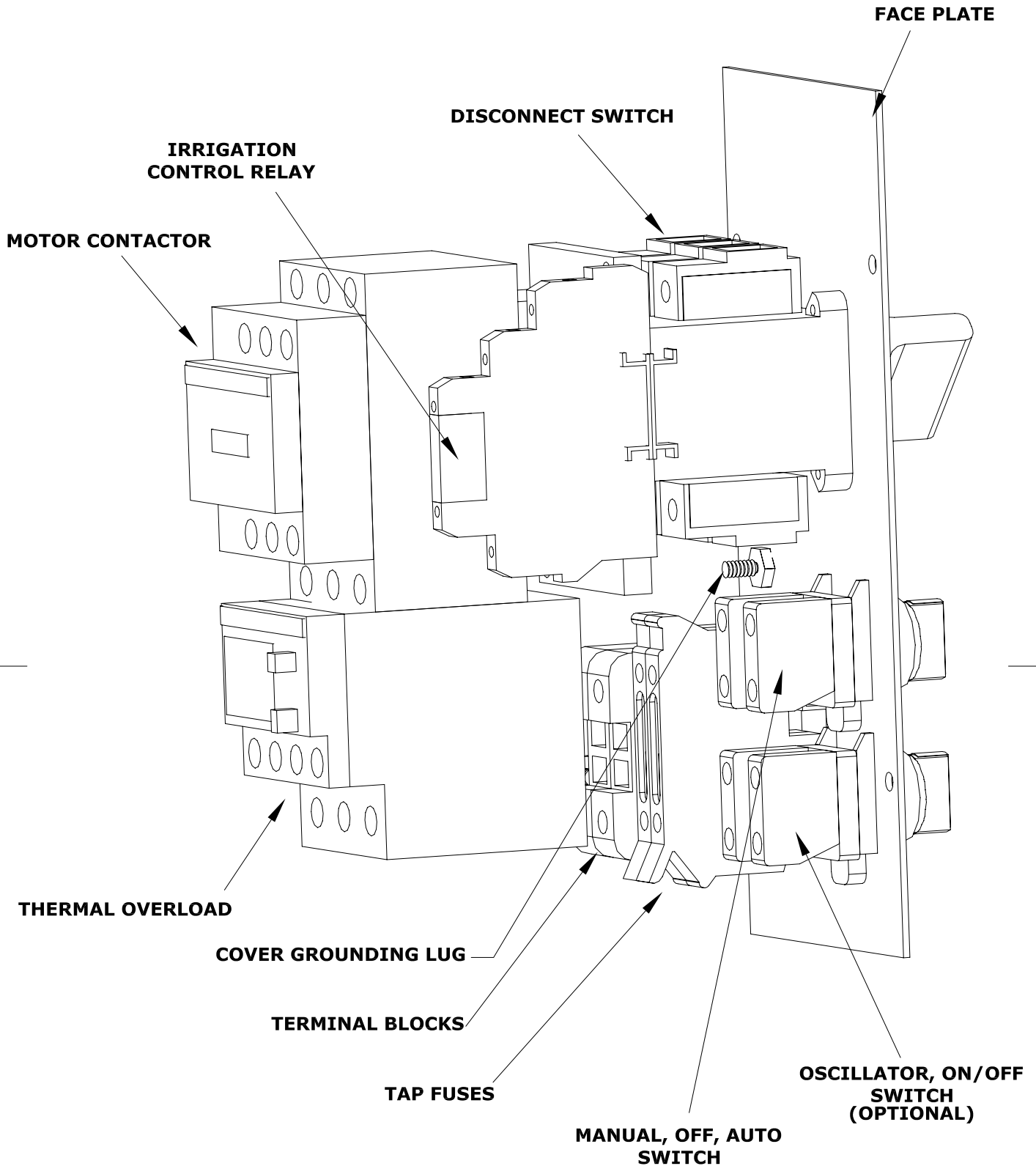


510 Bettis Academy Rd
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Title: WIRE ROUTING DIAGRAM

Dwg No. ###

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**1 PHASE CONTROL
PACKAGE COMPONENT
DIAGRAM**

DRAWN BY: H.MURPHY
 DATE: 4/20/07
 REVISED BY: Name
 DATE: --/--/--
 PRIMARY UNITS: ----
 SCALE: N/A
 QTY REQ: (X)
 MAT'L: ----
 FINISH: ----

UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
 FRACTIONAL
 ± 1/8
 DECIMAL
 .XX ± .01
 .XXX ± .005

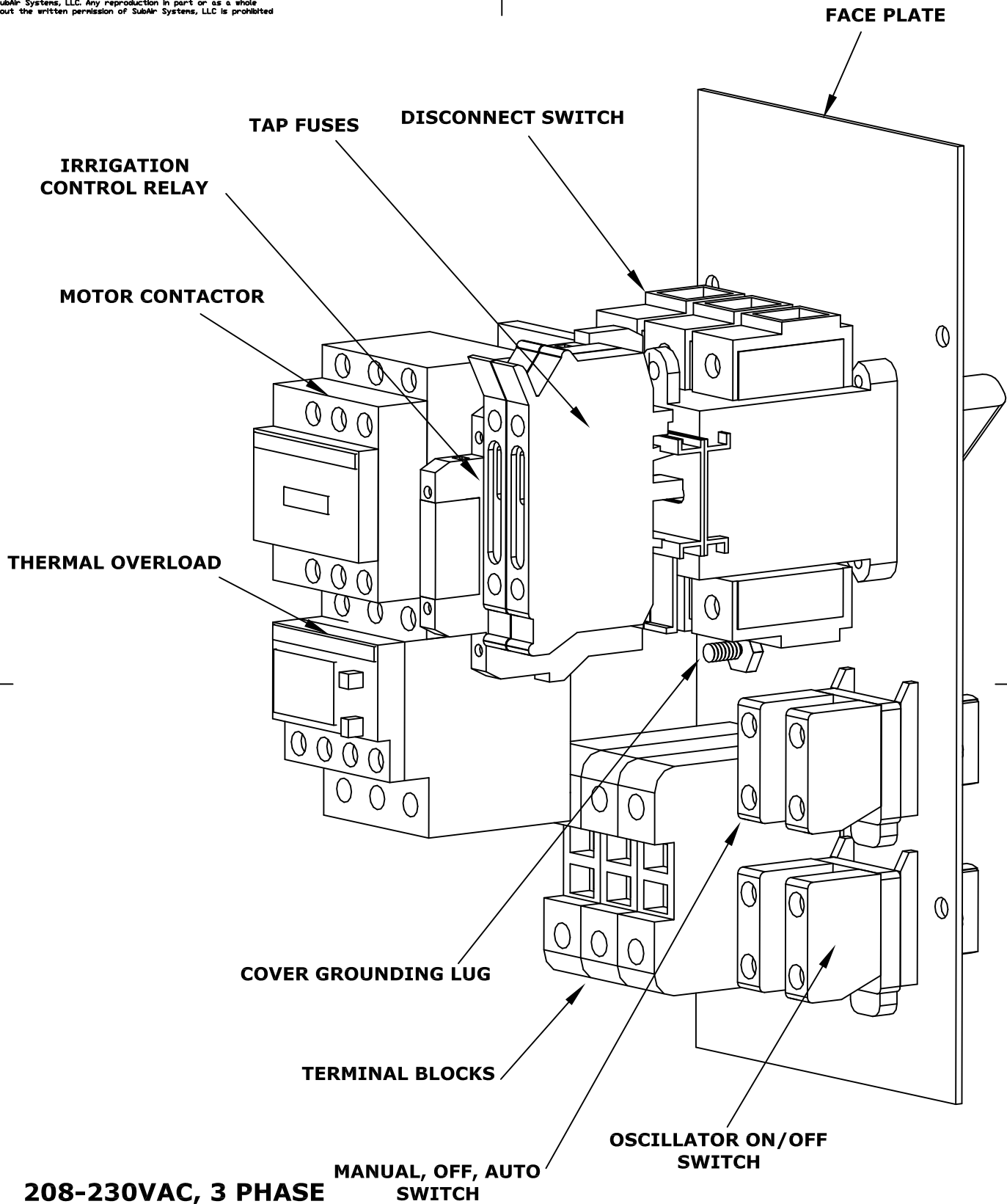


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Title: 1PH FAN CONTROL
 COMPONENT DIAG

Dwg No. ###

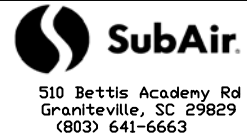
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**208-230VAC, 3 PHASE
CONTROL PACKAGE
COMPONENT DIAGRAM
WITH OSCILLATOR
CONTROL**

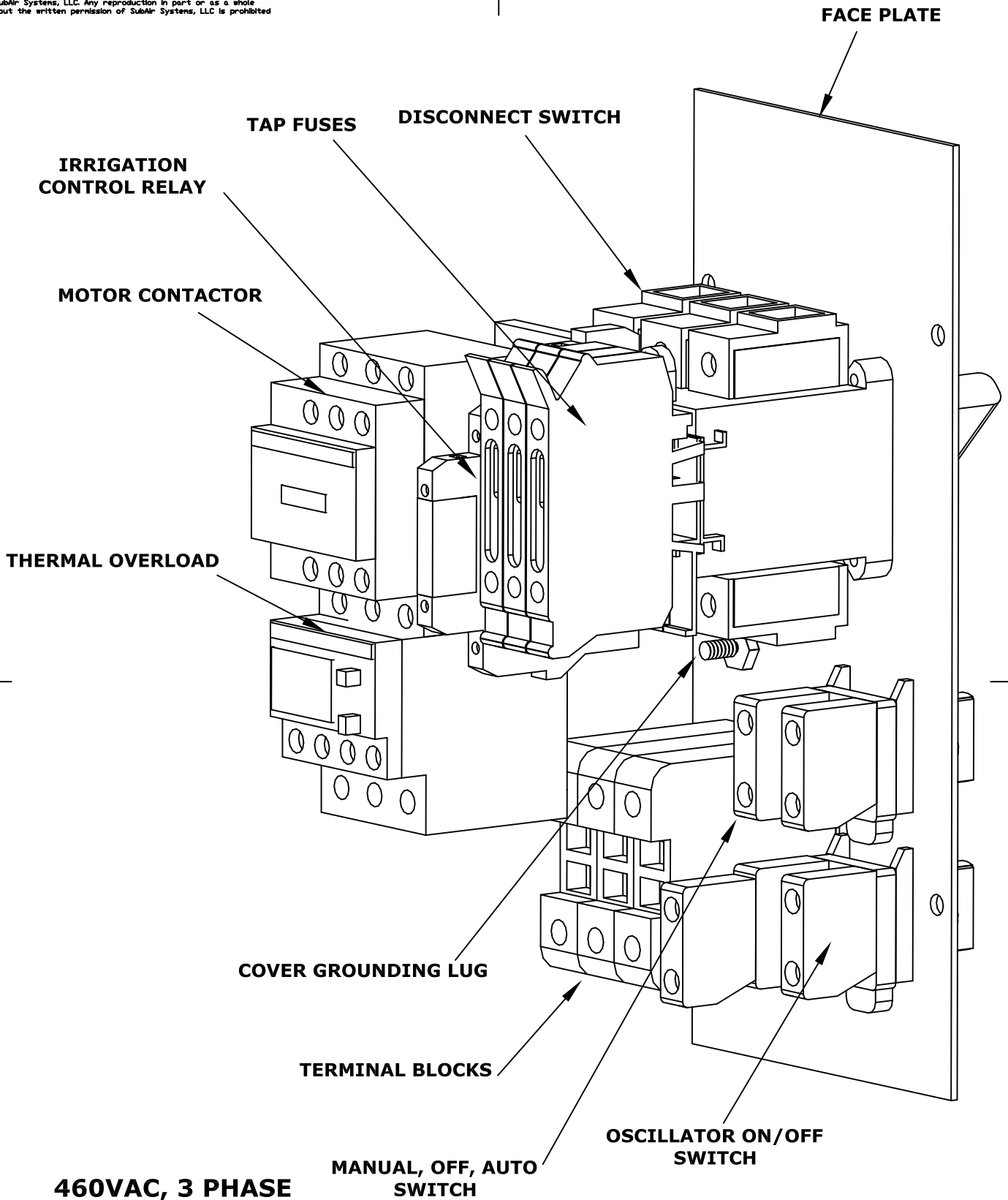
DRAWN BY:	H.MURPHY
DATE:	4/20/07
REVISED BY:	Name
DATE:	--/--/--
PRIMARY UNITS:	----
SCALE:	N/A
QTY REQ:	(X)
MAT'L:	----
FINISH:	----

UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
FRACTIONAL
 ± 1/8
DECIMAL
 .XX ± .01
 .XXX ± .005



TRIM:	FAN CONTROL COMPONENT DIAG
Dwg No.:	###

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**460VAC, 3 PHASE
CONTROL PACKAGE
COMPONENT DIAGRAM
WITH OSCILLATOR
CONTROL**

DRAWN BY:	H.MURPHY
DATE:	4/20/07
REVISED BY:	Name
DATE:	--/--/--
PRIMARY UNITS:	----
SCALE:	N/A
QTY REQ:	(X)
MAT'L:	----
FINISH:	----

UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
FRACTIONAL ± 1/8
DECIMAL .XX ± .01 .XXX ± .005



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TRIS: FAN CONTROL COMPONENT DIAG

Dwg No. ###

The Most Respected Name in Surface Aeration

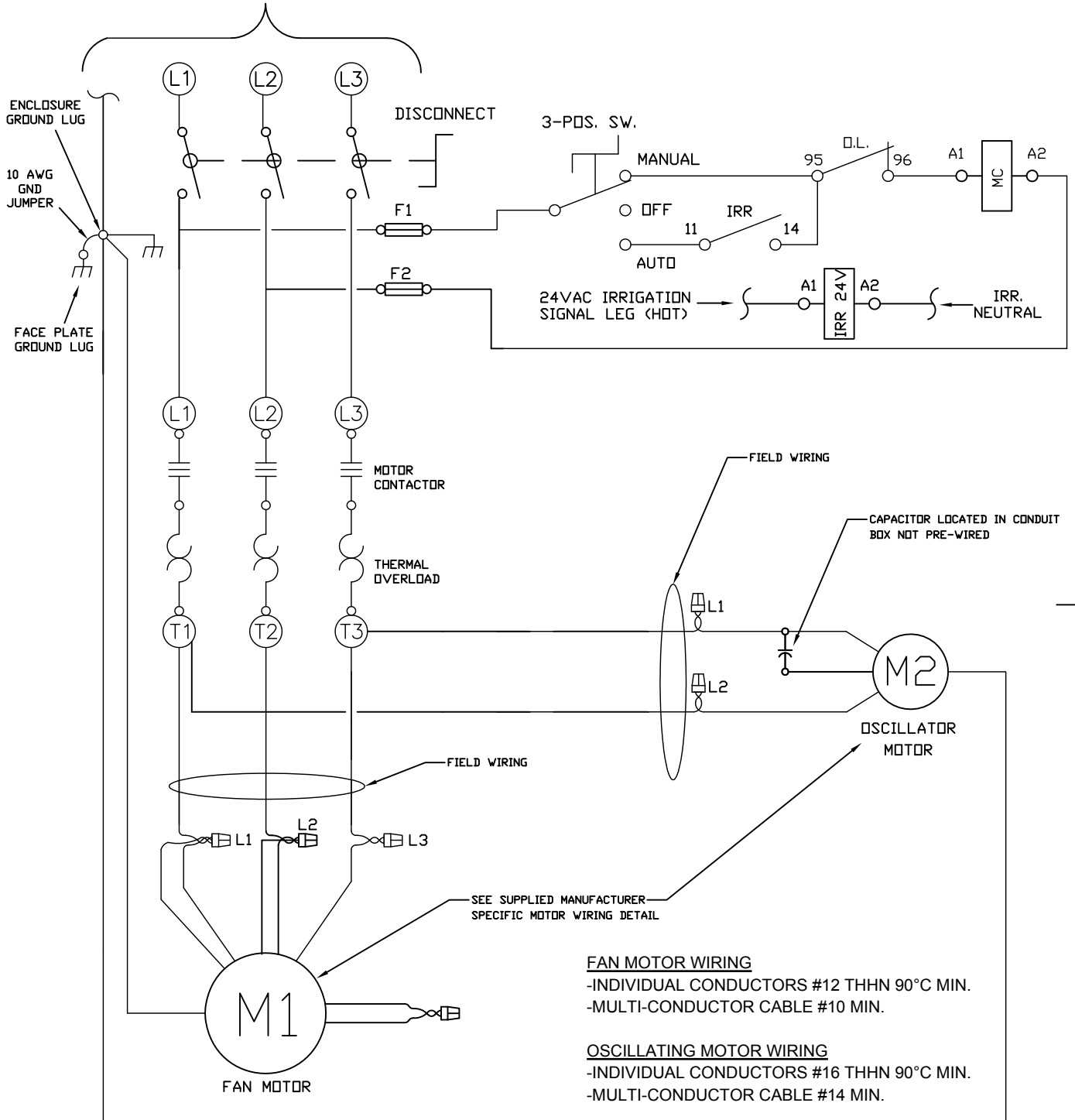


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Electrical Schematics Bundle

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208-230VAC, 3 ϕ , 4-WIRE
POWER SUPPLY



FAN MOTOR WIRING

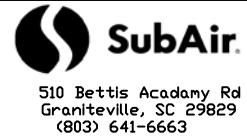
- INDIVIDUAL CONDUCTORS #12 THHN 90°C MIN.
- MULTI-CONDUCTOR CABLE #10 MIN.

OSCILLATING MOTOR WIRING

- INDIVIDUAL CONDUCTORS #16 THHN 90°C MIN.
- MULTI-CONDUCTOR CABLE #14 MIN.

DRAWN BY:	H.MURPHY
DATE:	12/08/06
REVISED BY:	H.MURPHY
DATE:	3/11/07
PRIMARY UNITS:	----
SCALE:	N/A
QTY REQ:	(X)
MAT'L:	----
FINISH:	----

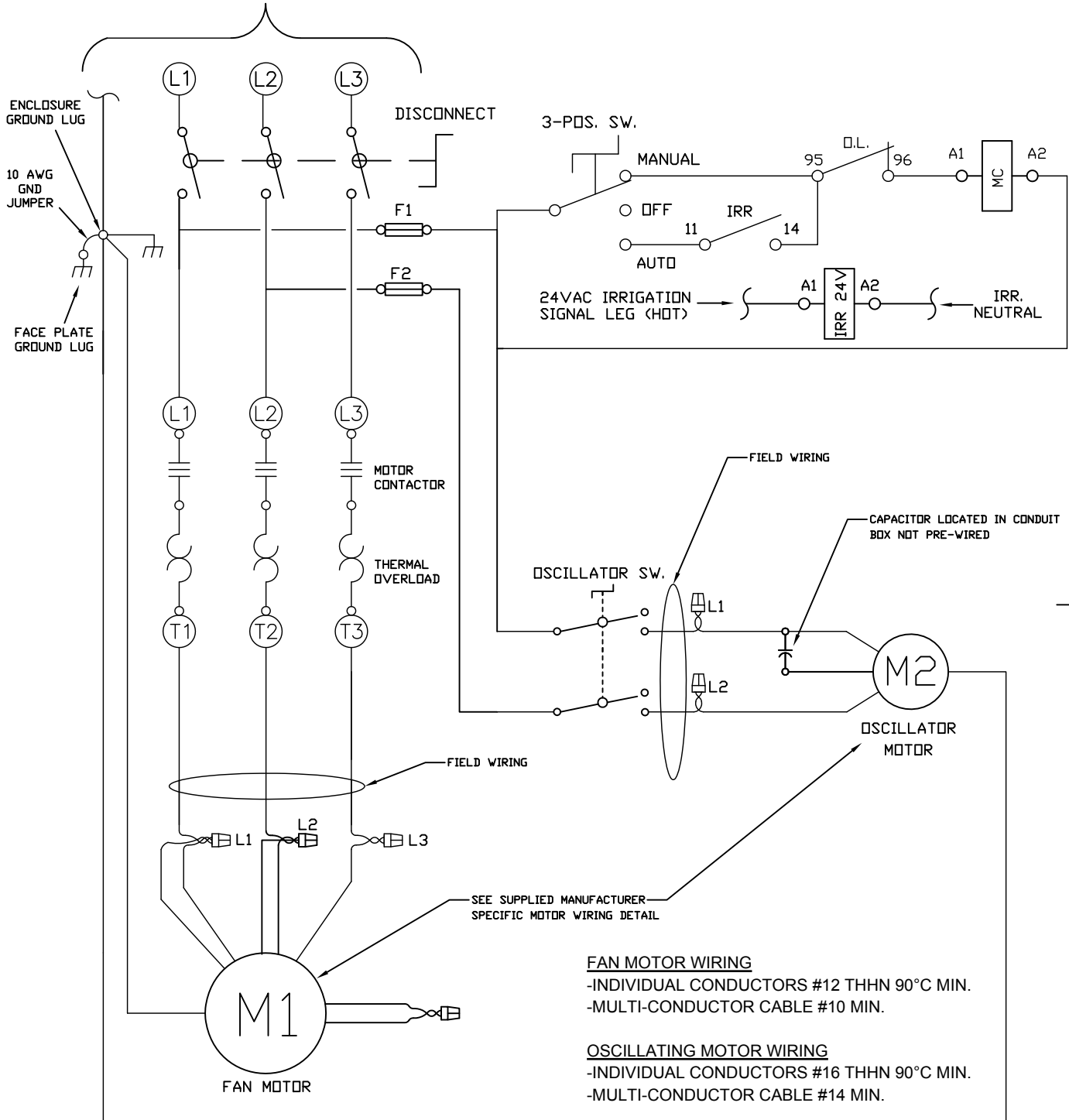
UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
FRACTIONAL
 ± 1/8
DECIMAL
 .XX ± .01
 .XXX ± .005



3 ϕ FAN CONTROL WIRING, STD.
 Title: _____
 Dwg No. _____

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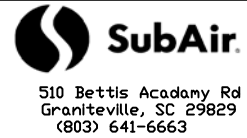
208-230VAC, 3 ϕ , 4-WIRE POWER SUPPLY



FAN MOTOR WIRING
 -INDIVIDUAL CONDUCTORS #12 THHN 90°C MIN.
 -MULTI-CONDUCTOR CABLE #10 MIN.

OSCILLATING MOTOR WIRING
 -INDIVIDUAL CONDUCTORS #16 THHN 90°C MIN.
 -MULTI-CONDUCTOR CABLE #14 MIN.

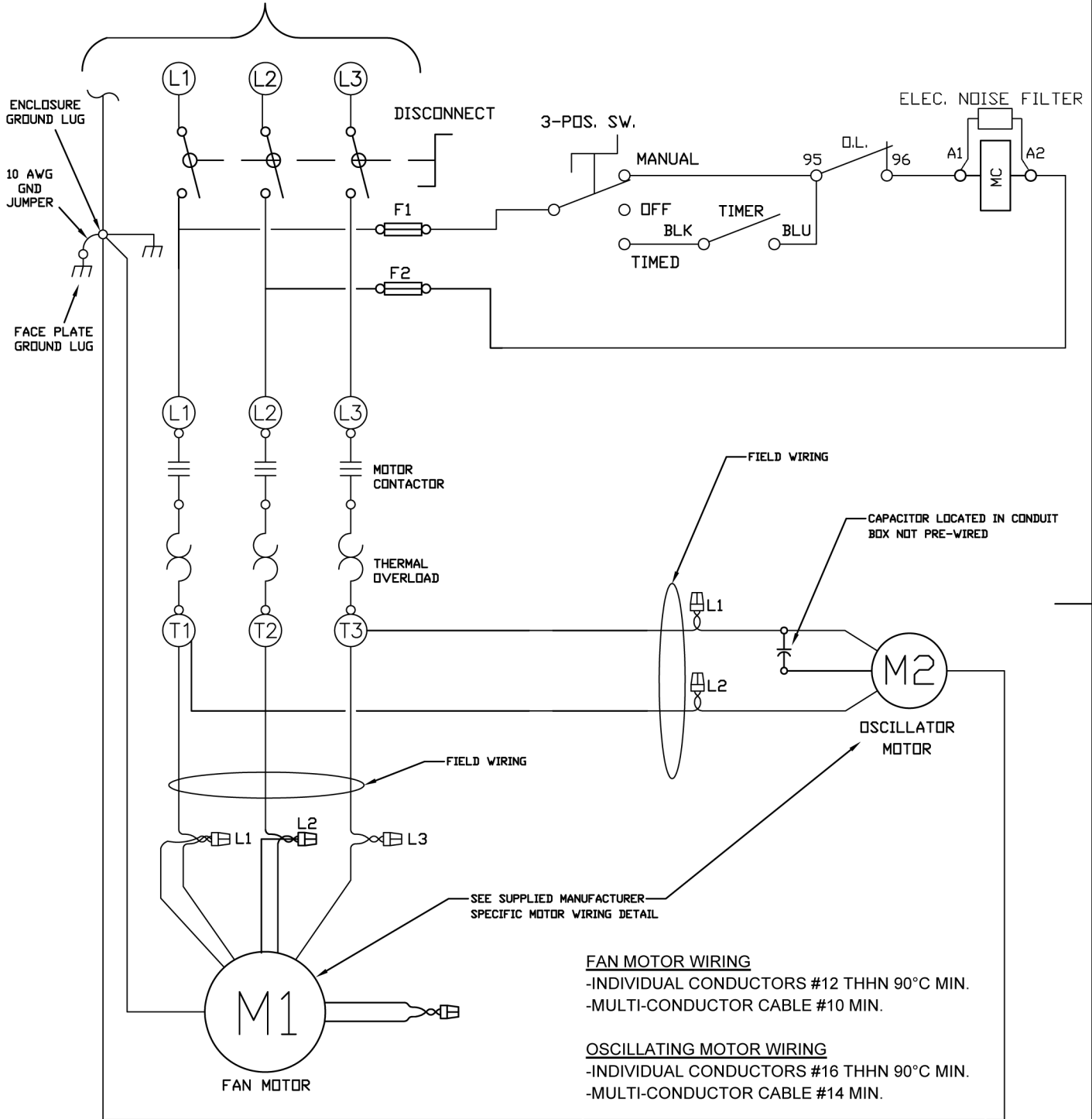
DRAWN BY: H.MURPHY	UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
DATE: 12/08/06	
REVISED BY: H.MURPHY	FRACTIONAL
DATE: 3/11/07	± 1/8
PRIMARY UNITS: ----	DECIMAL
SCALE: N/A	.XX ± .01
QTY REQ: (X)	.XXX ± .005
MAT'L: ----	
FINISH: ----	



3 ϕ FAN CONTROL WIRING, W/OSC.
 Title: _____
 Dwg No. _____

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208-230VAC, 3 ϕ , 4-WIRE POWER SUPPLY



FAN MOTOR WIRING

- INDIVIDUAL CONDUCTORS #12 THHN 90°C MIN.
- MULTI-CONDUCTOR CABLE #10 MIN.

OSCILLATING MOTOR WIRING

- INDIVIDUAL CONDUCTORS #16 THHN 90°C MIN.
- MULTI-CONDUCTOR CABLE #14 MIN.

DRAWN BY:	H.MURPHY
DATE:	12/08/06
REVISED BY:	H.MURPHY
DATE:	3/11/07
PRIMARY UNITS:	----
SCALE:	N/A
QTY REQ:	(X)
MAT'L:	----
FINISH:	----

UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:

FRACTIONAL
± 1/8

DECIMAL
.XX ± .01
.XXX ± .005

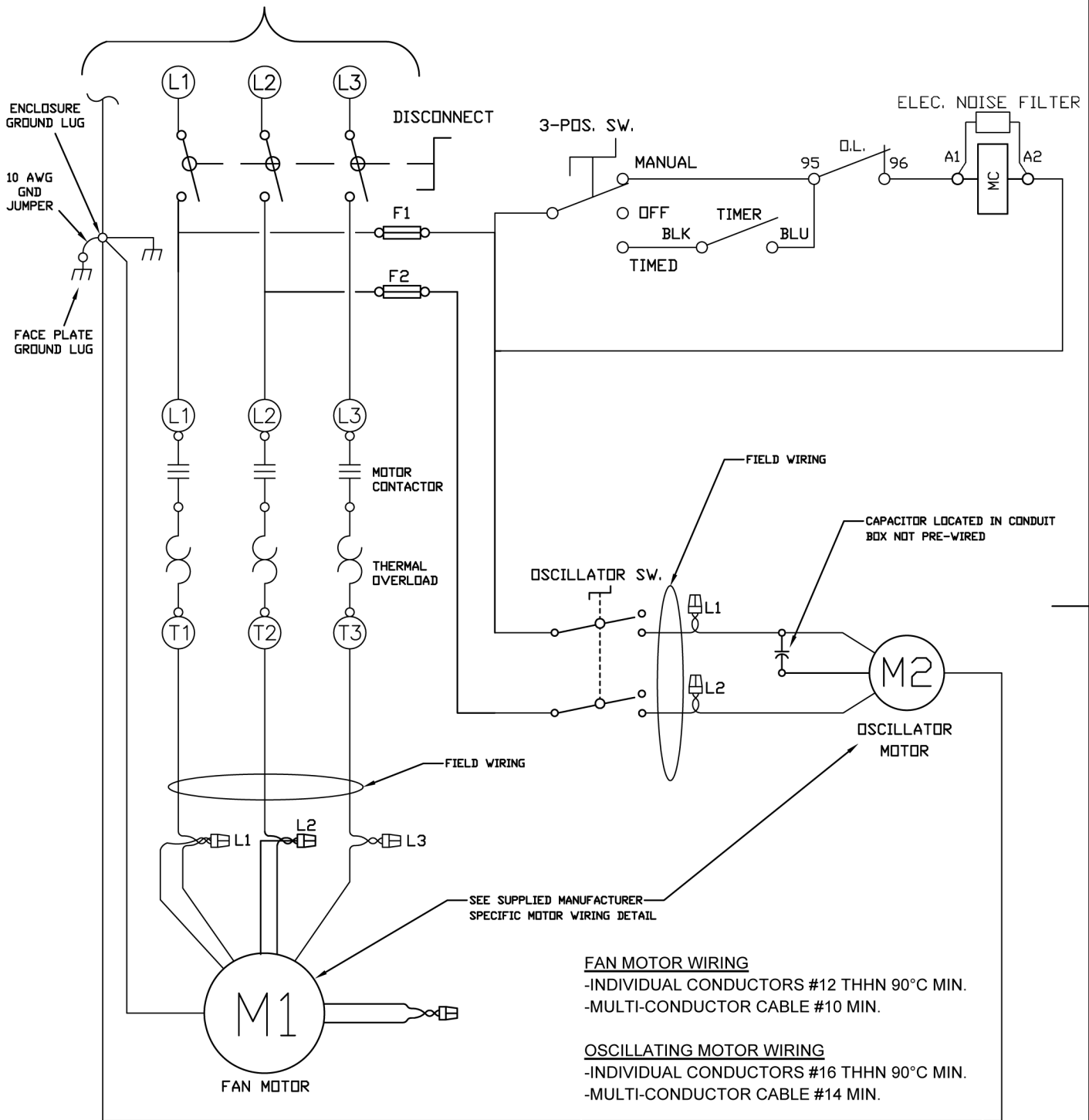


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3 ϕ FAN CONTROL WIRING, W/TMR.

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208-230VAC, 3 ϕ , 4-WIRE
POWER SUPPLY



FAN MOTOR WIRING

- INDIVIDUAL CONDUCTORS #12 THHN 90°C MIN.
- MULTI-CONDUCTOR CABLE #10 MIN.

OSCILLATING MOTOR WIRING

- INDIVIDUAL CONDUCTORS #16 THHN 90°C MIN.
- MULTI-CONDUCTOR CABLE #14 MIN.

DRAWN BY:	H.MURPHY
DATE:	12/08/06
REVISED BY:	H.MURPHY
DATE:	3/11/07
PRIMARY UNITS:	----
SCALE:	N/A
QTY REQ:	(X)
MAT'L:	----
FINISH:	----

UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
FRACTIONAL
 ± 1/8
DECIMAL
 .XX ± .01
 .XXX ± .005

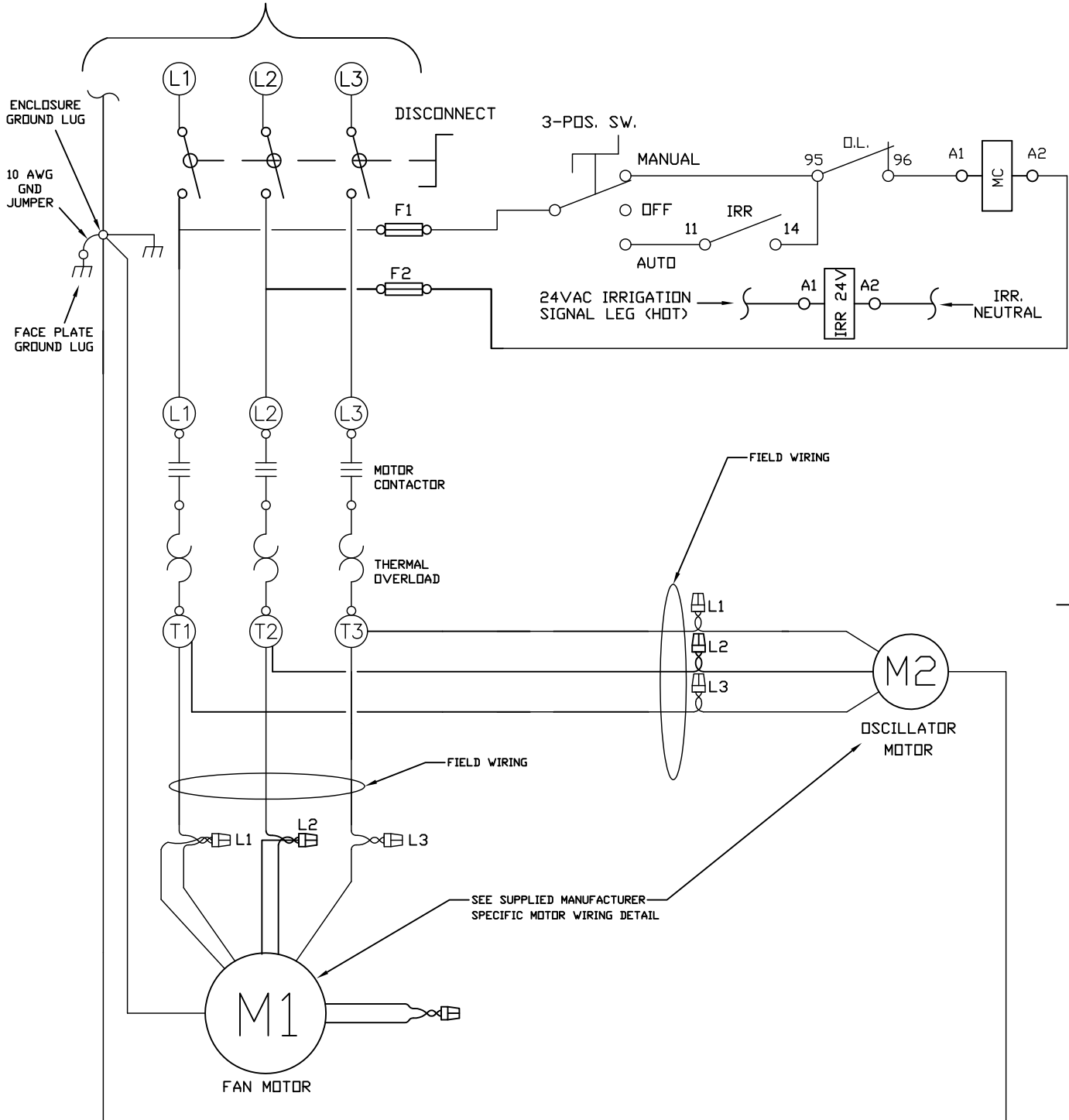


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3 ϕ FAN CONTROL WIRING, W/TMR & OSC.

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460VAC, 3 ϕ , 4-WIRE
POWER SUPPLY



DRAWN BY: H.MURPHY	UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
DATE: 12/08/06	
REVISED BY: H.MURPHY	FRACTIONAL
DATE: 3/11/07	± 1/8
PRIMARY UNITS: ----	DECIMAL
SCALE: N/A	.XX ± .01
QTY REQ: (X)	.XXX ± .005
MAT'L: ----	
FINISH: ----	

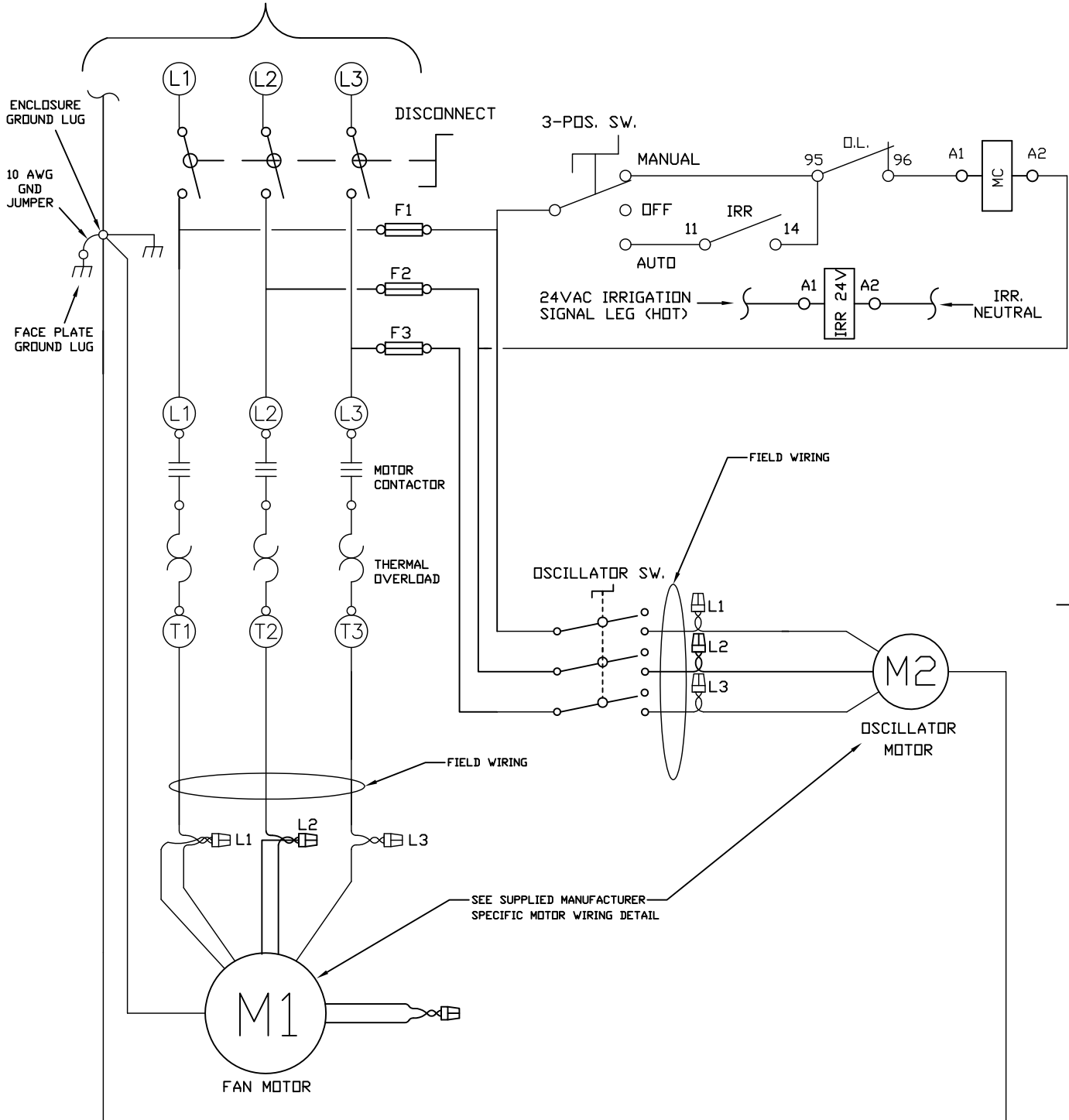


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3 ϕ FAN CONTROL WIRING, STD.

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460VAC, 3 ϕ , 4-WIRE POWER SUPPLY



DRAWN BY: H.MURPHY	UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
DATE: 12/08/06	
REVISED BY: H.MURPHY	FRACTIONAL
DATE: 3/11/07	± 1/8
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MAT'L: ----	
FINISH: ----	

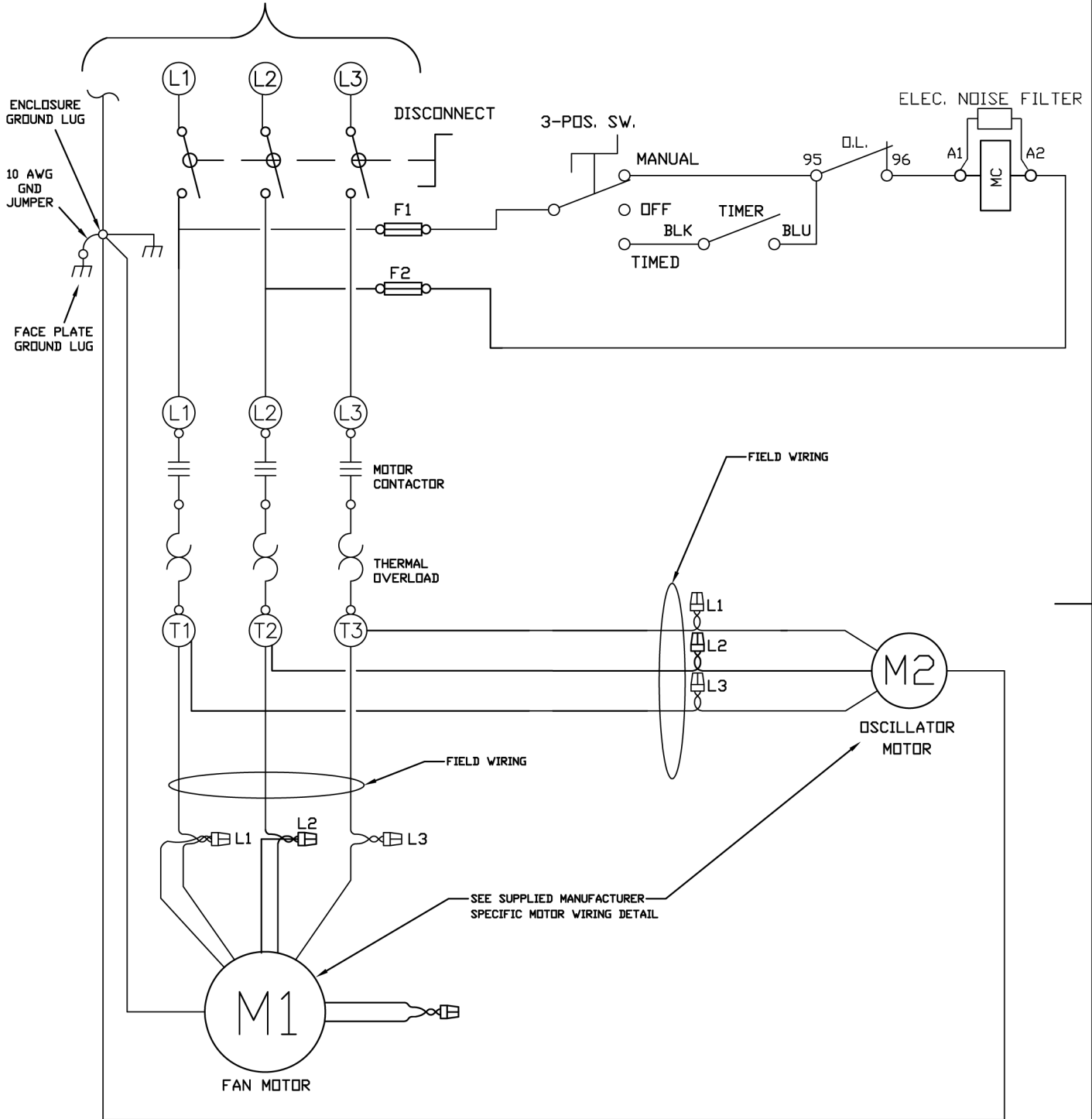


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3 ϕ FAN CONTROL WIRING, W/OSC.
Title: _____
Dwg. No. _____

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460VAC, 3 ϕ , 4-WIRE
POWER SUPPLY



DRAWN BY: H.MURPHY	UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
DATE: 12/08/06	
REVISED BY: H.MURPHY	FRACTIONAL
DATE: 3/11/07	± 1/8
PRIMARY UNITS: ----	DECIMAL
SCALE: N/A	.XX ± .01
QTY REQ: (X)	.XXX ± .005
MAT'L: ----	
FINISH: ----	

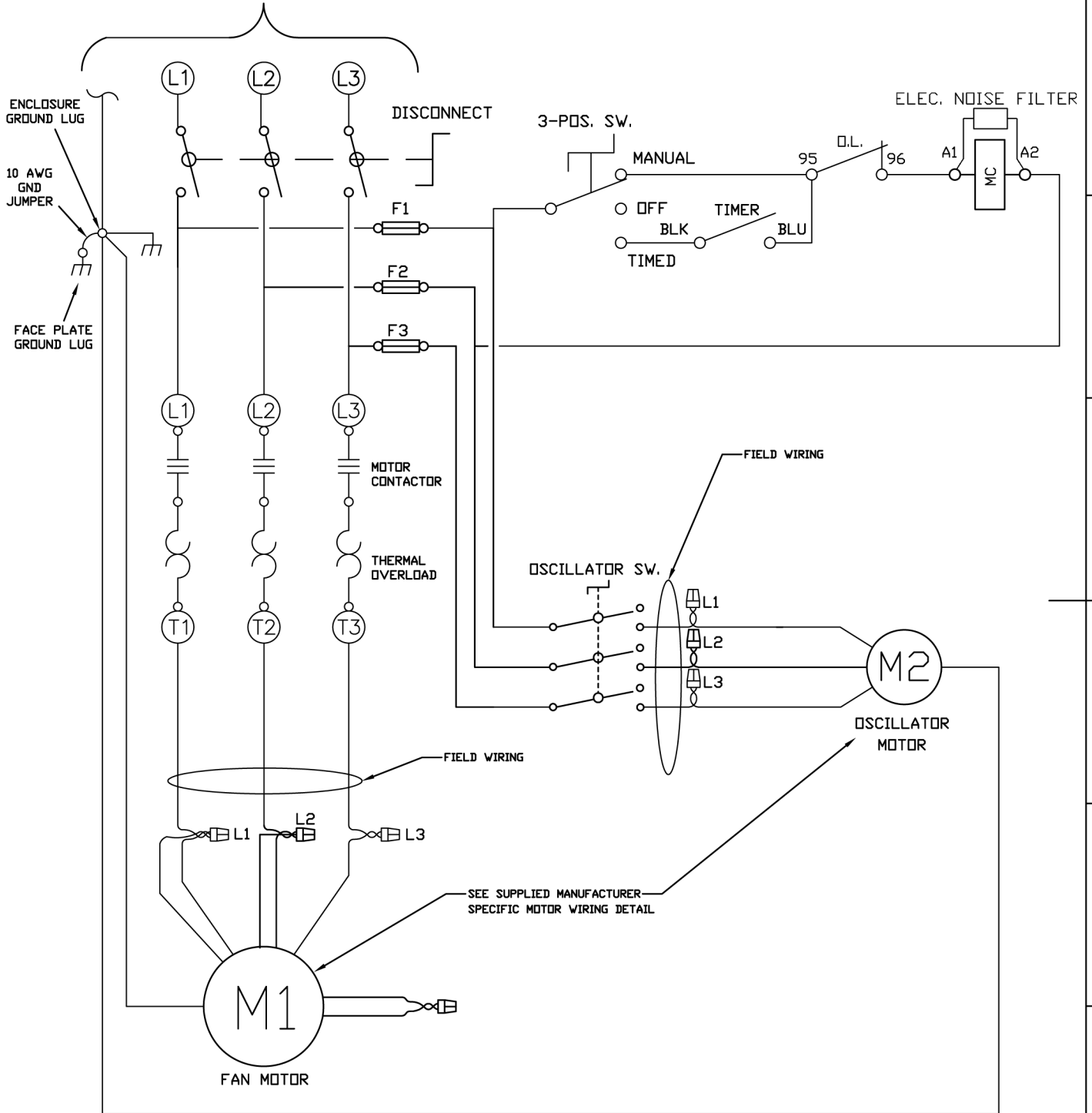



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3 ϕ FAN CONTROL WIRING, W/TMR.

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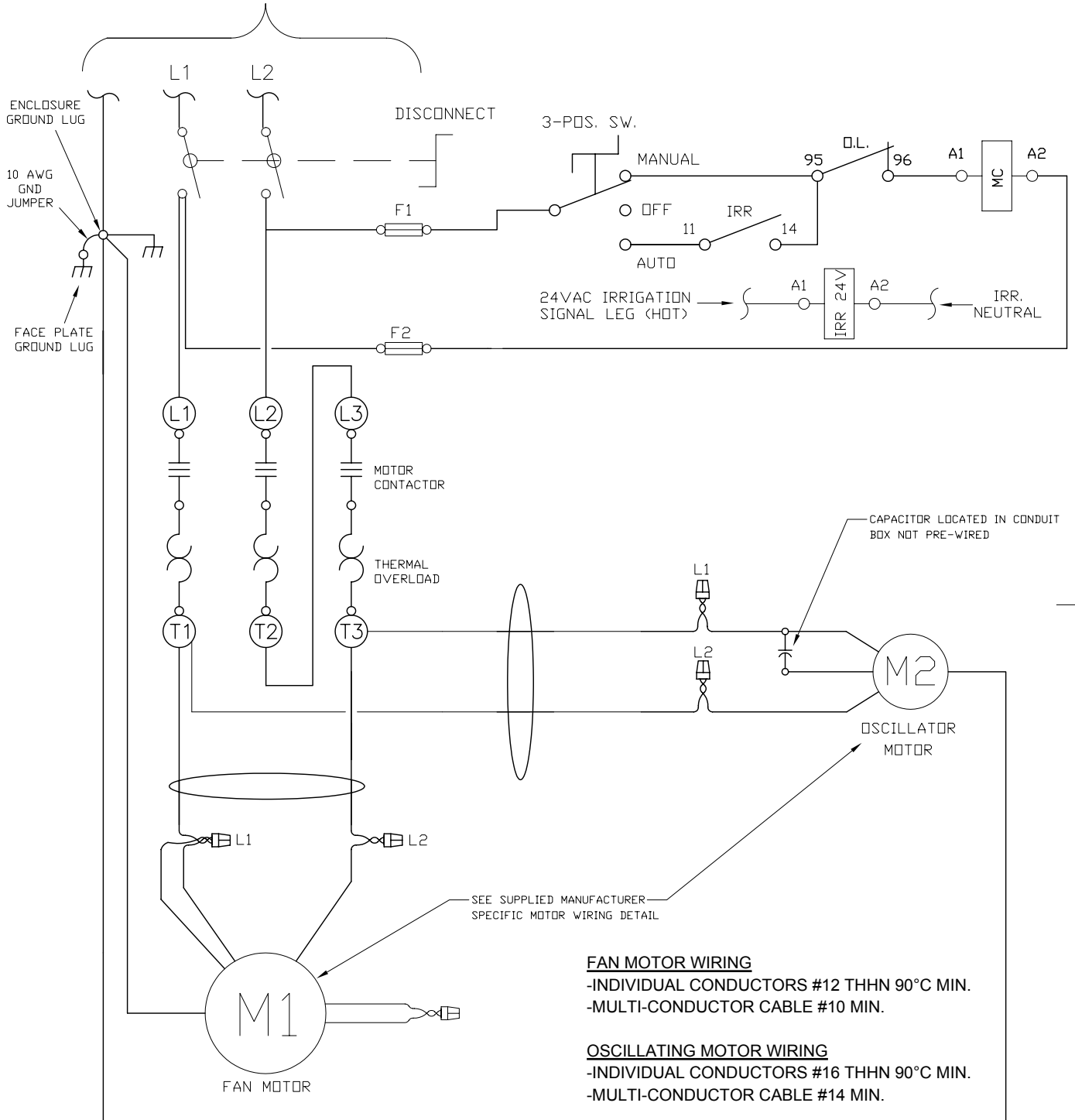
460VAC, 3 ϕ , 4-WIRE
POWER SUPPLY



DRAWN BY: H.MURPHY	UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:	 510 Bettis Academy Rd Graniteville, SC 29829 (803) 641-6663
DATE: 12/08/06		
REVISD BY: H.MURPHY	FRACTIONAL	Title: 3 ϕ FAN CONTROL WIRING, W/TMR & OSC.
DATE: 3/11/07	$\pm 1/8$	
PRIMARY UNITS: ----	DECIMAL	Dwg No. ----
SCALE: N/A	.XX $\pm .01$	
QTY REQ: (X)	.XXX $\pm .005$	
MAT'L: ----		
FINISH: ----		

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230 VAC 1 ϕ , 3-WIRE
POWER SUPPLY



FAN MOTOR WIRING
 -INDIVIDUAL CONDUCTORS #12 THHN 90°C MIN.
 -MULTI-CONDUCTOR CABLE #10 MIN.

OSCILLATING MOTOR WIRING
 -INDIVIDUAL CONDUCTORS #16 THHN 90°C MIN.
 -MULTI-CONDUCTOR CABLE #14 MIN.

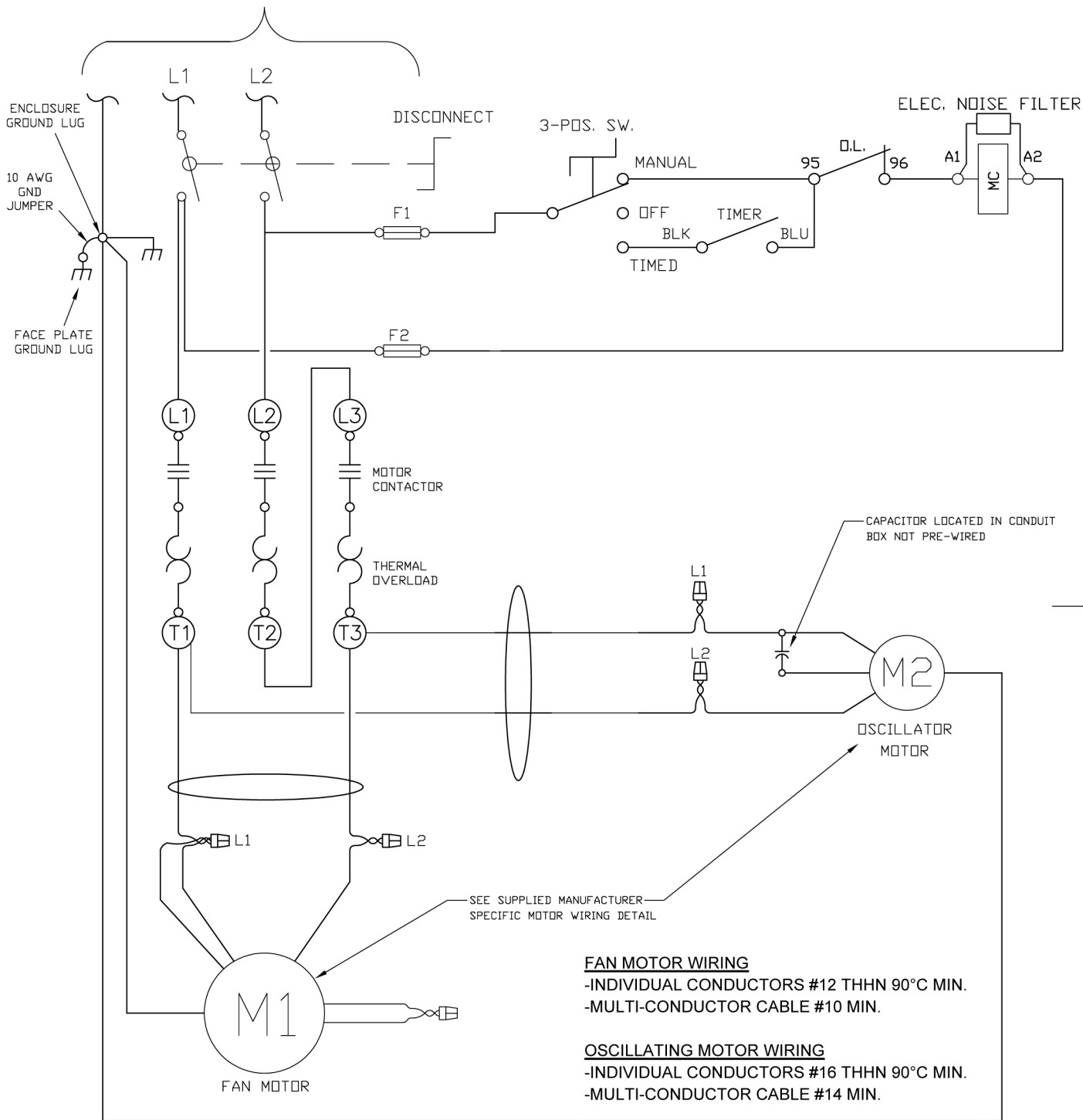
DRAWN BY: H.MURPHY	UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
DATE: 12/08/06	
REVISED BY: H.MURPHY	FRACTIONAL
DATE: 3/11/07	± 1/8
PRIMARY UNITS: ----	DECIMAL
SCALE: N/A	.XX ± .01
QTY REQ: (X)	.XXX ± .005
MAT'L: ----	
FINISH: ----	



Title: 1 ϕ FAN CONTROL WIRING, STD.
 Dwg No. ----

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230 VAC 1 ϕ , 3-WIRE
POWER SUPPLY



FAN MOTOR WIRING
 -INDIVIDUAL CONDUCTORS #12 THHN 90°C MIN.
 -MULTI-CONDUCTOR CABLE #10 MIN.

OSCILLATING MOTOR WIRING
 -INDIVIDUAL CONDUCTORS #16 THHN 90°C MIN.
 -MULTI-CONDUCTOR CABLE #14 MIN.

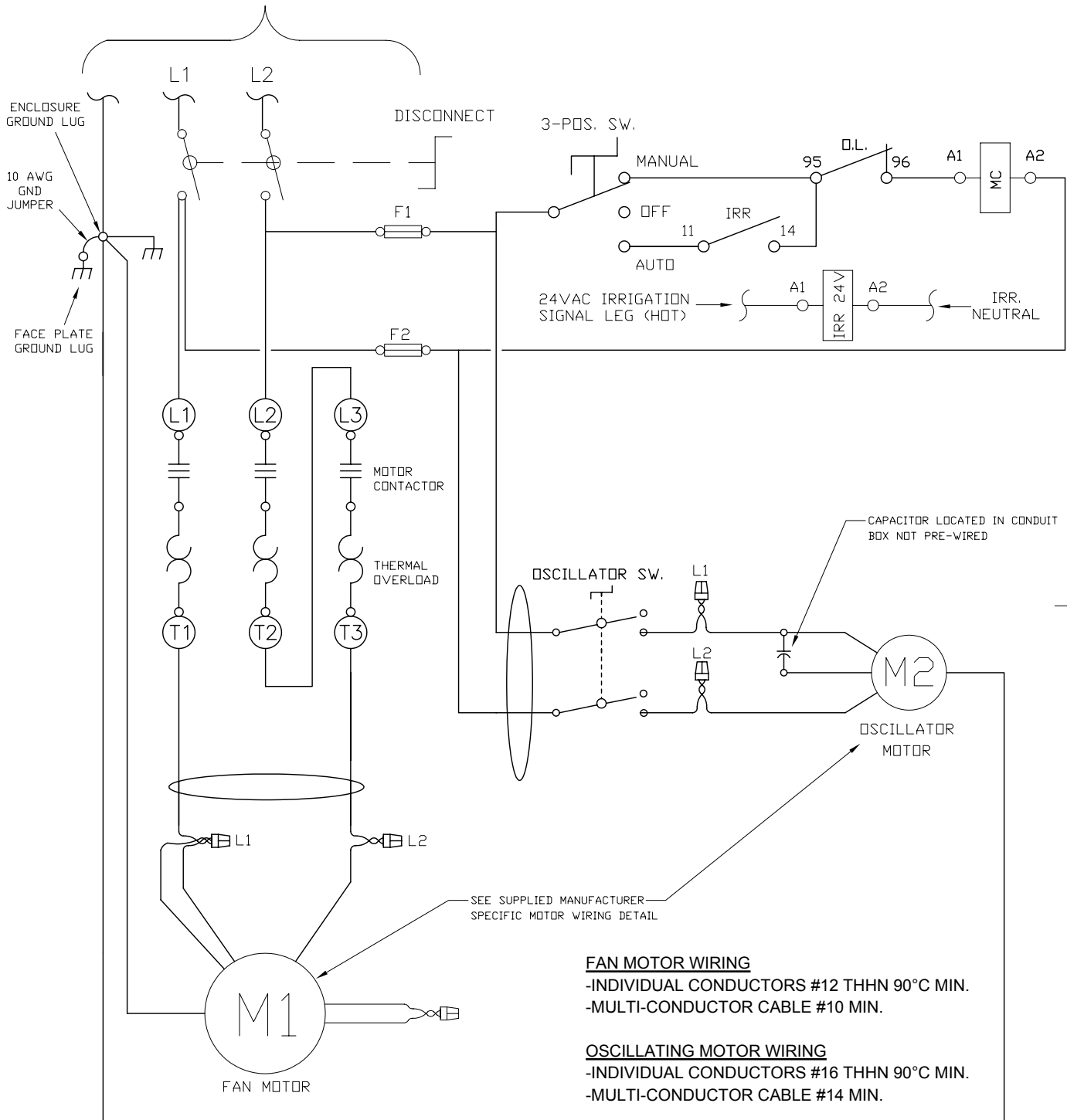
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DATE: 12/08/06	
REVISED BY: H.MURPHY	FRACTIONAL
DATE: 3/11/07	± 1/8
PRIMARY UNITS: ----	DECIMAL
SCALE: N/A	.XX ± .01
QTY REQ: (X)	.XXX ± .005
MAT'L: ----	
FINISH: ----	



Title: 1 ϕ FAN CONTROL WIRING, W/TMR.
 Dwg No. ----

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230 VAC 1 ϕ , 3-WIRE
POWER SUPPLY



FAN MOTOR WIRING

- INDIVIDUAL CONDUCTORS #12 THHN 90°C MIN.
- MULTI-CONDUCTOR CABLE #10 MIN.

OSCILLATING MOTOR WIRING

- INDIVIDUAL CONDUCTORS #16 THHN 90°C MIN.
- MULTI-CONDUCTOR CABLE #14 MIN.

DRAWN BY: H.MURPHY	UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
DATE: 12/08/06	
REVISED BY: H.MURPHY	FRACTIONAL
DATE: 3/11/07	± 1/8
PRIMARY UNITS: ----	DECIMAL
SCALE: N/A	.XX ± .01
QTY REQ: (X)	.XXX ± .005
MAT'L: ----	
FINISH: ----	



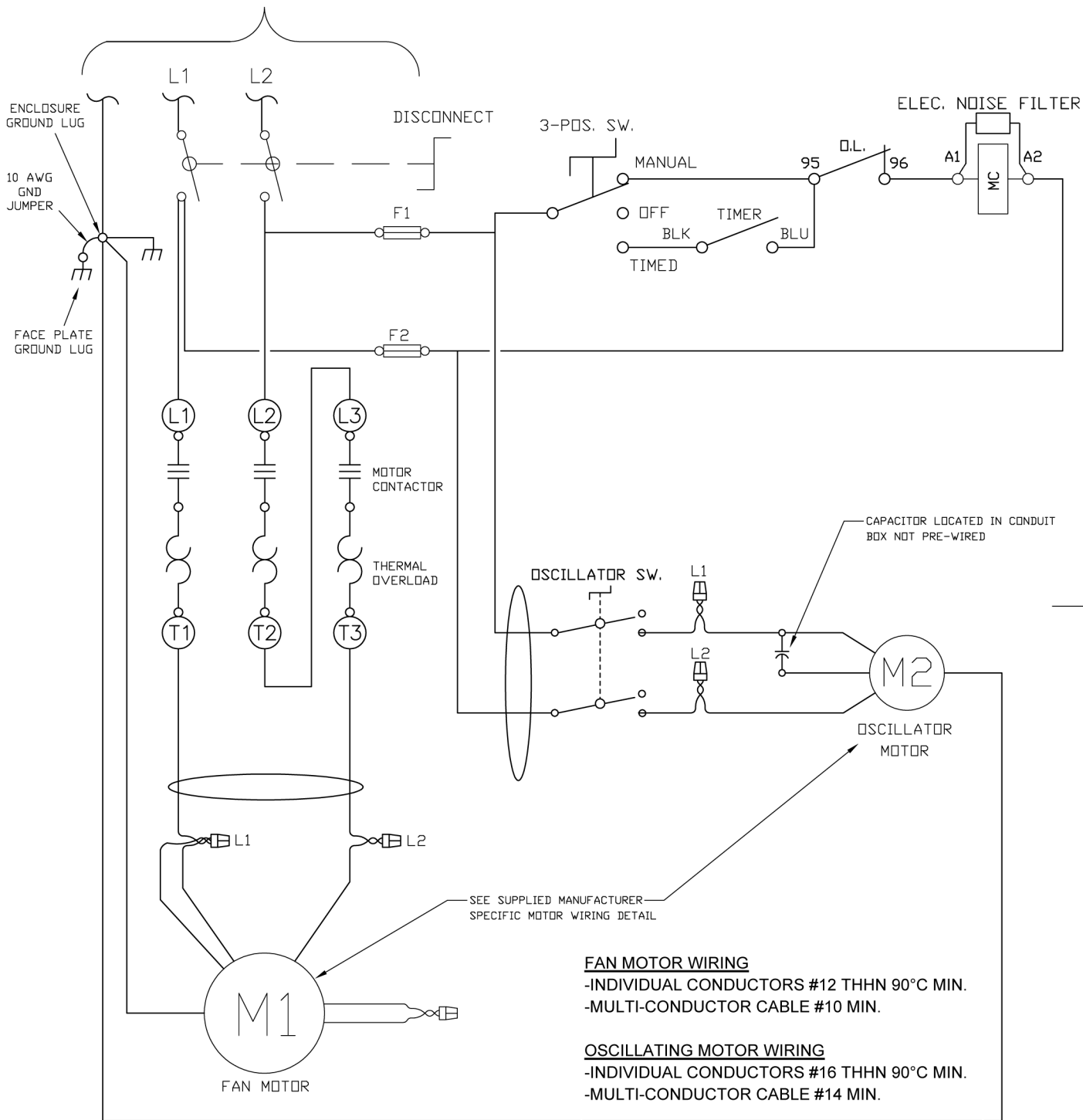
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(803) 641-6663

Title: 1 ϕ FAN CONTROL WIRING, W/OSC.

Proj. No. ----

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230 VAC 1 ϕ , 3-WIRE
POWER SUPPLY



FAN MOTOR WIRING
 -INDIVIDUAL CONDUCTORS #12 THHN 90°C MIN.
 -MULTI-CONDUCTOR CABLE #10 MIN.

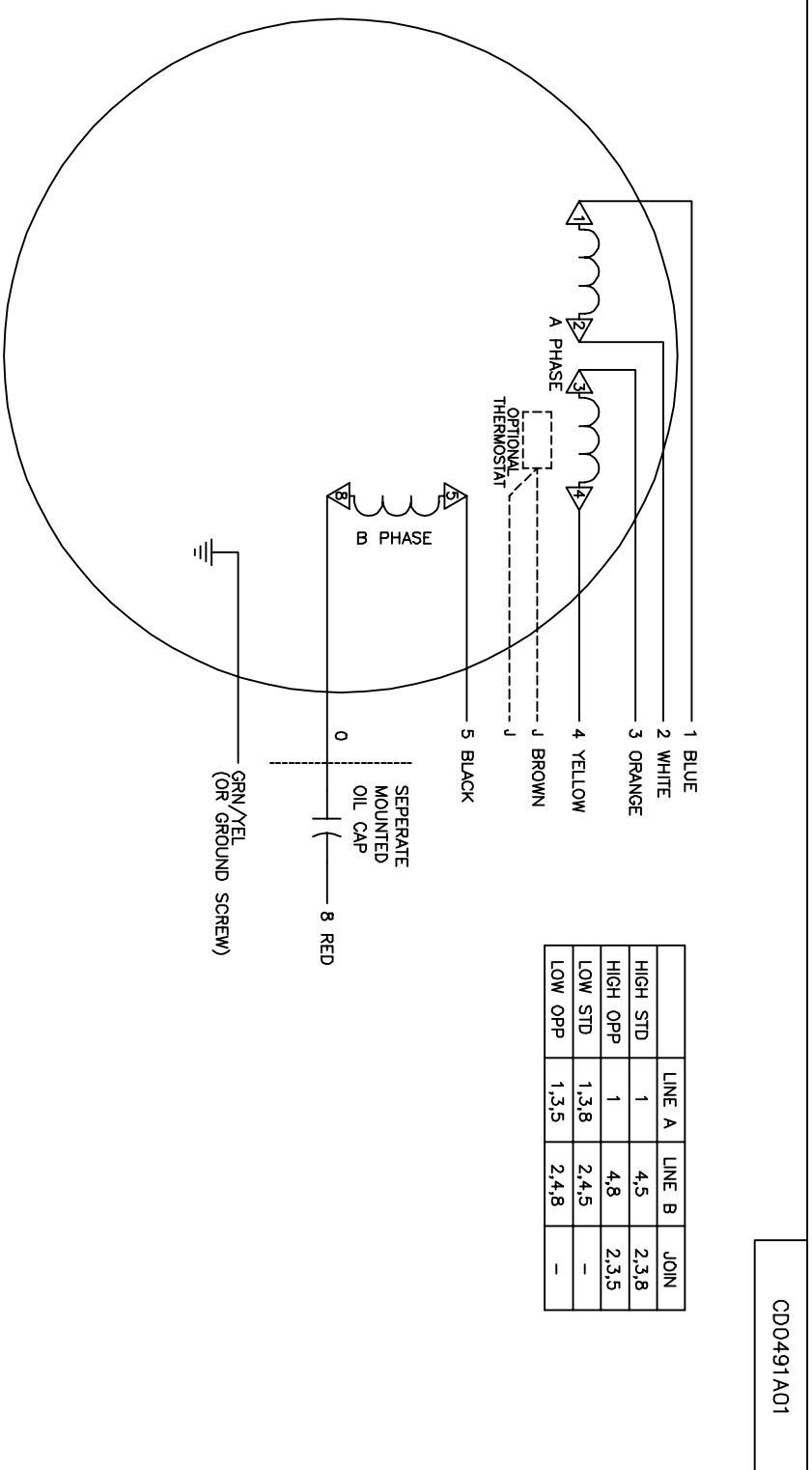
OSCILLATING MOTOR WIRING
 -INDIVIDUAL CONDUCTORS #16 THHN 90°C MIN.
 -MULTI-CONDUCTOR CABLE #14 MIN.


DRAWN BY: H.MURPHY	UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:
DATE: 12/08/06	
REVISED BY: H.MURPHY	FRACTIONAL
DATE: 3/11/07	± 1/8
PRIMARY UNITS: ----	DECIMAL
SCALE: N/A	.XX ± .01
QTY REQ: (X)	.XXX ± .005
MAT'L: ----	
FINISH: ----	



Title: 1 ϕ FAN CONTROL WIRING, W/TMR & OSC.
 Dwg No. ----

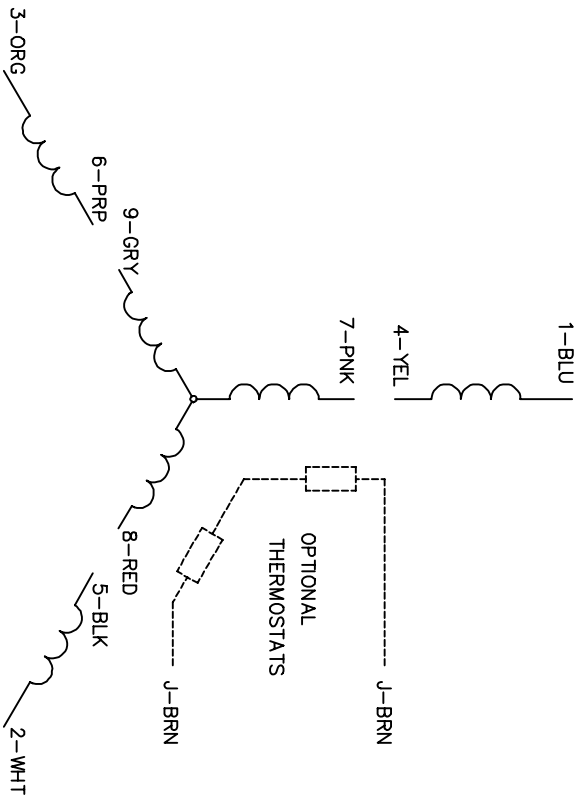
CD0491A01



- NOTES:
1. STANDARD ROTATION IS CCW VIEWING LEAD END.
 2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
 3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.
 5.  = MAGNET WIRE COIL END WITH I.D. NUMBER.

REV. DESC: CHANGE TO CLARKSVILLE STANDARD		TDR: 000000384488		BALDOR ELECTRIC Co.	
REV. LTR: D	VERSION: 03	FILE: \CKA\00005\827	REVISED: 13:48:58 04/20/2006		
10V16P00D	MTL: -	BY: CKANTTO	TYPE C, DV, REV, 6 LD, SEP CAP, CK	CD0491A01	

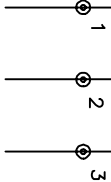
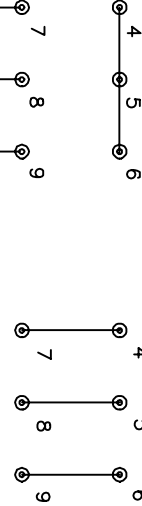
CD0005



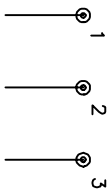
LOW VOLTAGE
(2Y)



HIGH VOLTAGE
(1Y)



LINE



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

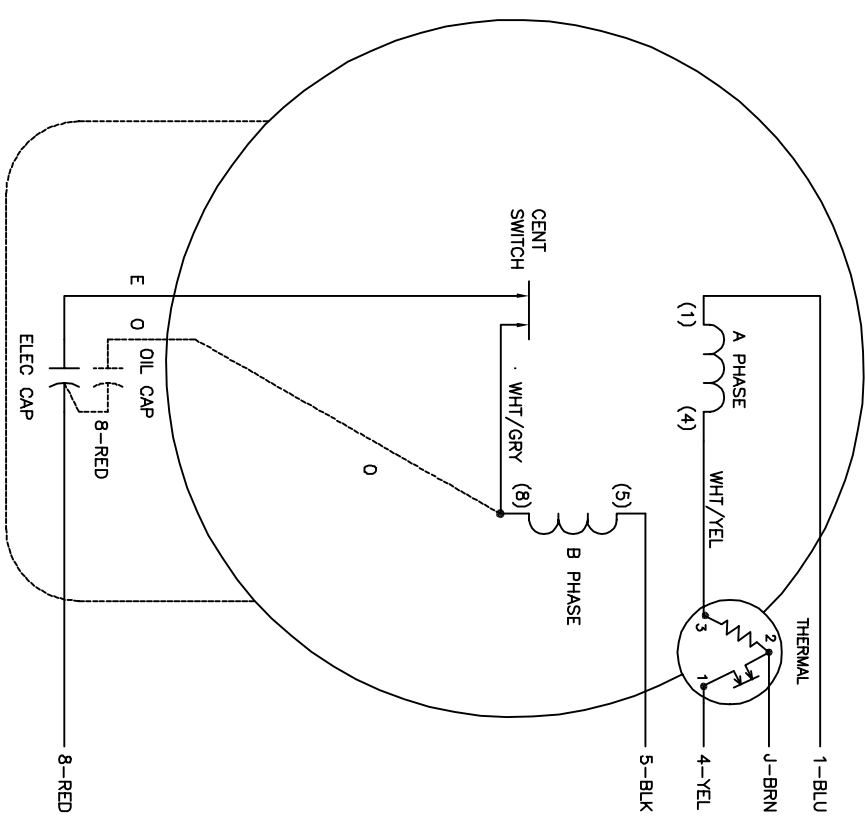
REV. DESC: REVISE TO SHOW OPTIONAL COLORS		TDR: 0171435	
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	MDL: -
500000		FILE: AAA00005140	MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005

CD0152

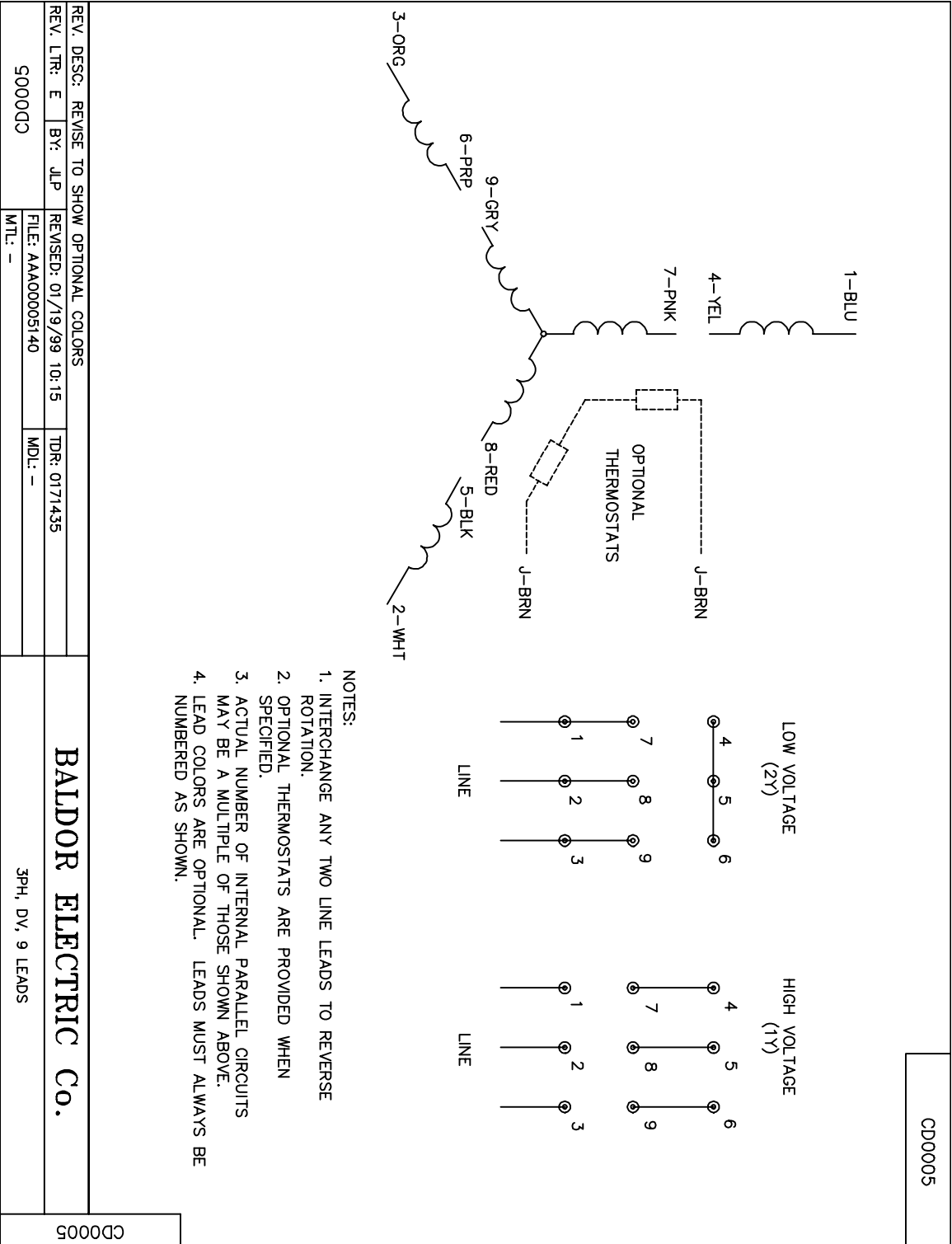


	LINE A	LINE B	JOIN
STD	1,8	4	J,5
OPP	1,5	4	J,8

- NOTES:
1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
 2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 3. OPTIONAL OIL CAPACITOR IS PROVIDED WHEN SPECIFIED.
 4. CAPACITORS MAY BE SEPERATELY MOUNTED.
 5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		TDR: 000000373039		BALDOR ELECTRIC CO.	
REV. LTR: D	VERSION: 01	FILE: \AAA\00026\903	REVISED: 11:23:45 08/11/2005		
251003	MTL: -	BY: ENJOEPO		TYPE L OR LC, SV, REV, 5 LDS, THERM, CAPS MAY BE SEP MTD	

CD0152



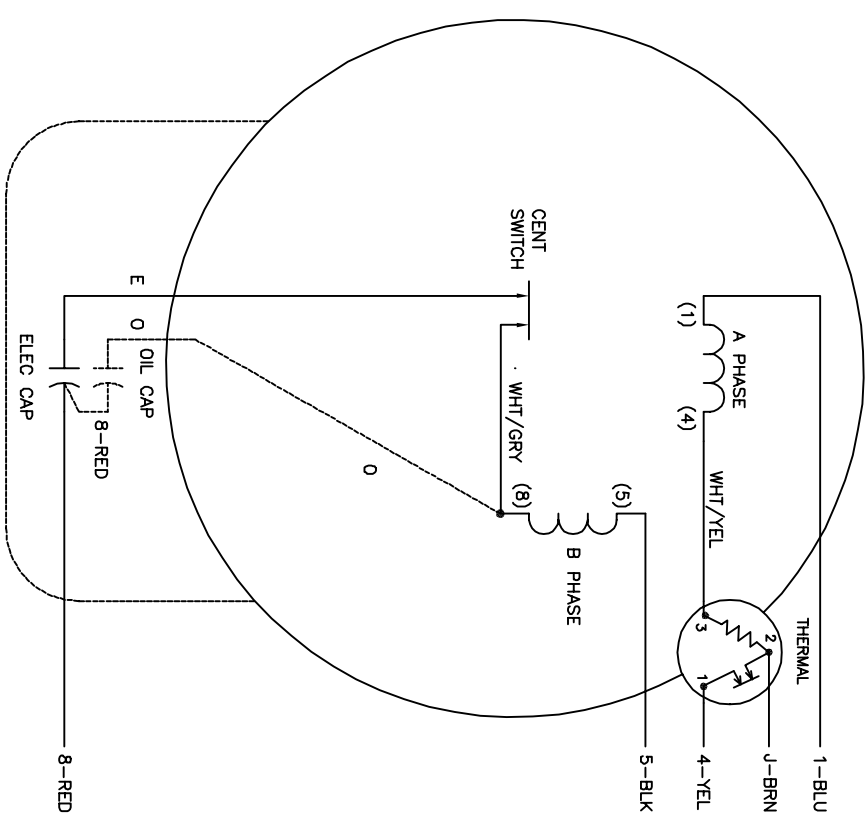
- NOTES:
1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
 2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
 3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99	TDR: 0171435
500000		FILE: AAA00005140	MDL: -
MTL: -			

BALDOR ELECTRIC Co.

3PH, DY, 9 LEADS

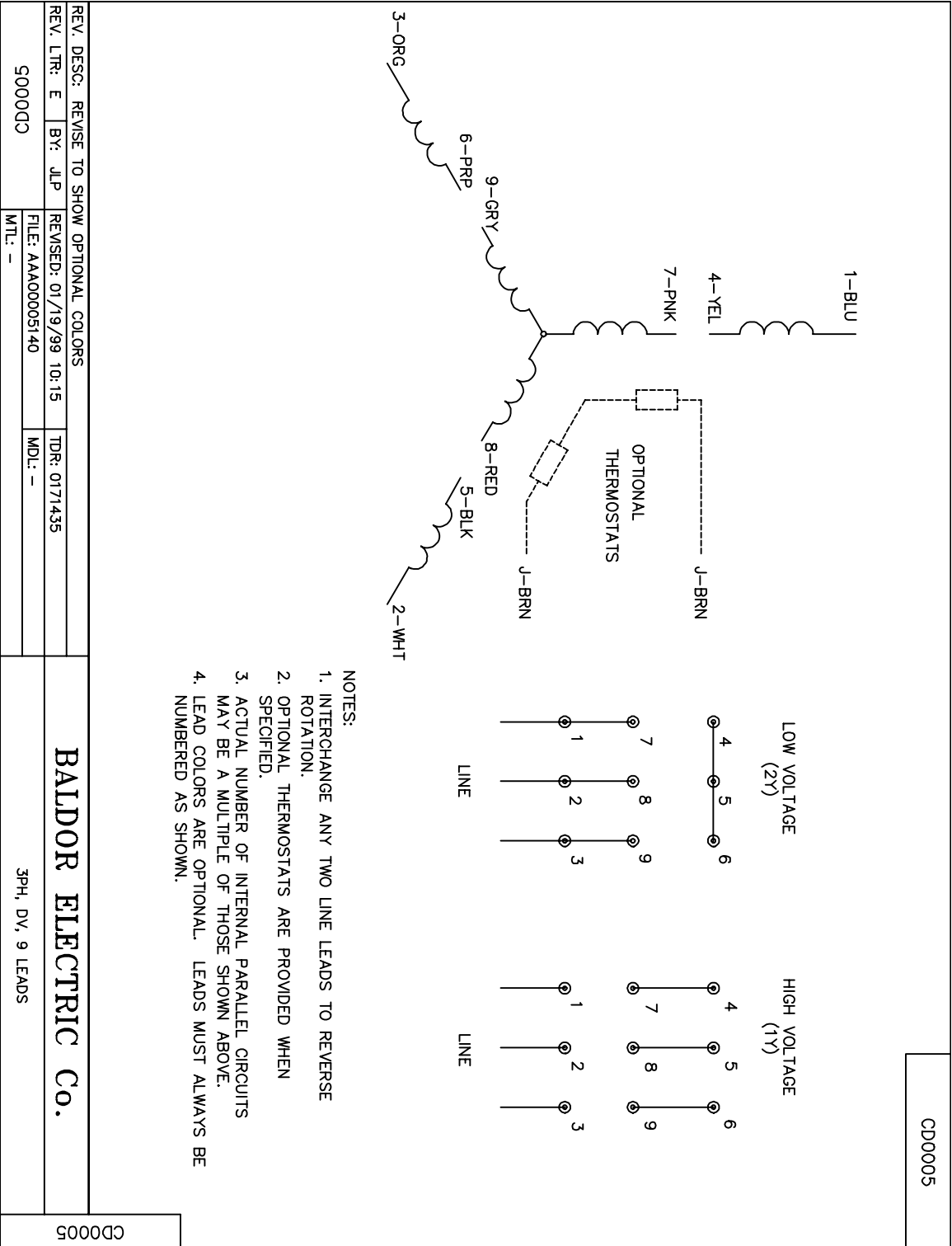
CD0152



	LINE A	LINE B	JOIN
STD	1, 8	4	J, 5
OPP	1, 5	4	J, 8

- NOTES:
1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
 2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 3. OPTIONAL OIL CAPACITOR IS PROVIDED WHEN SPECIFIED.
 4. CAPACITORS MAY BE SEPERATELY MOUNTED.
 5. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		TDR: 000000373039		BALDOR ELECTRIC CO.	
REV. LTR: D	VERSION: 01	FILE: \AAA\00026\903	REVISED: 11:23:45 08/11/2005		
251003	MTL: -	BY: ENJOEPO	TYPE L OR LC, SV, REV, 5 LDS, THERM, CAPS MAY BE SEP MTD	CD0152	



CD0005

BALDOR ELECTRIC Co.

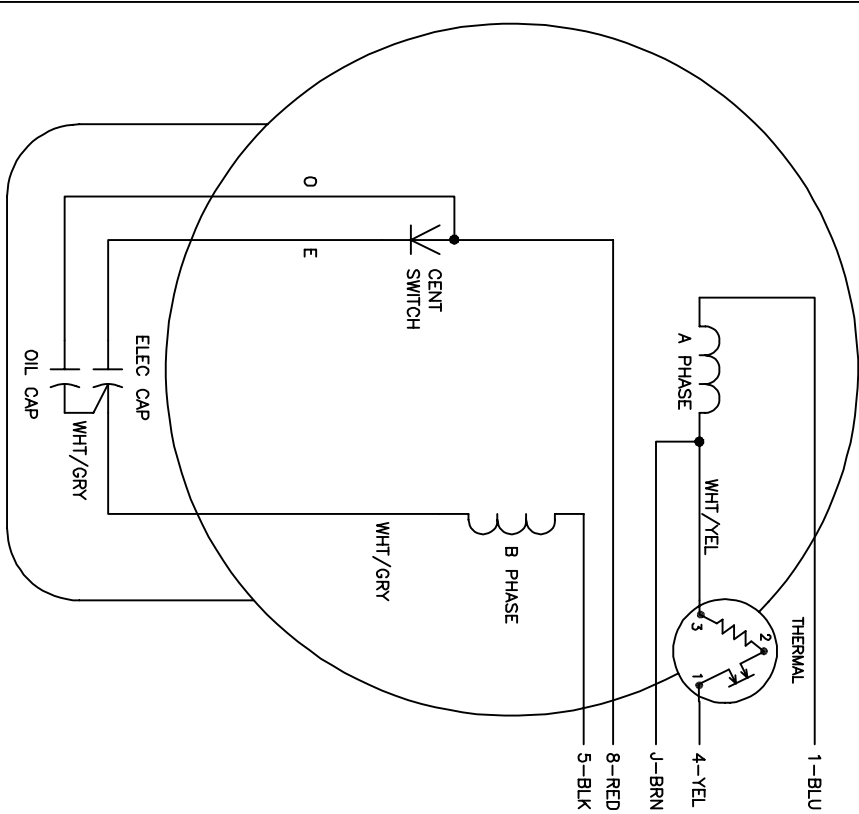
3PH, DV, 9 LEADS

REV. LTR:	E	BY:	JLP	REVISED:	01/19/99	TDR:	0171435
5000DC		FILE:	AAA00005140	MDL:	-		
		MTL:	-				

CD0005

- NOTES:
1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
 2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
 3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0774



	LINE A	LINE B	JOIN
STD	1,8	4	J,5
OPP	1,5	4	J,8

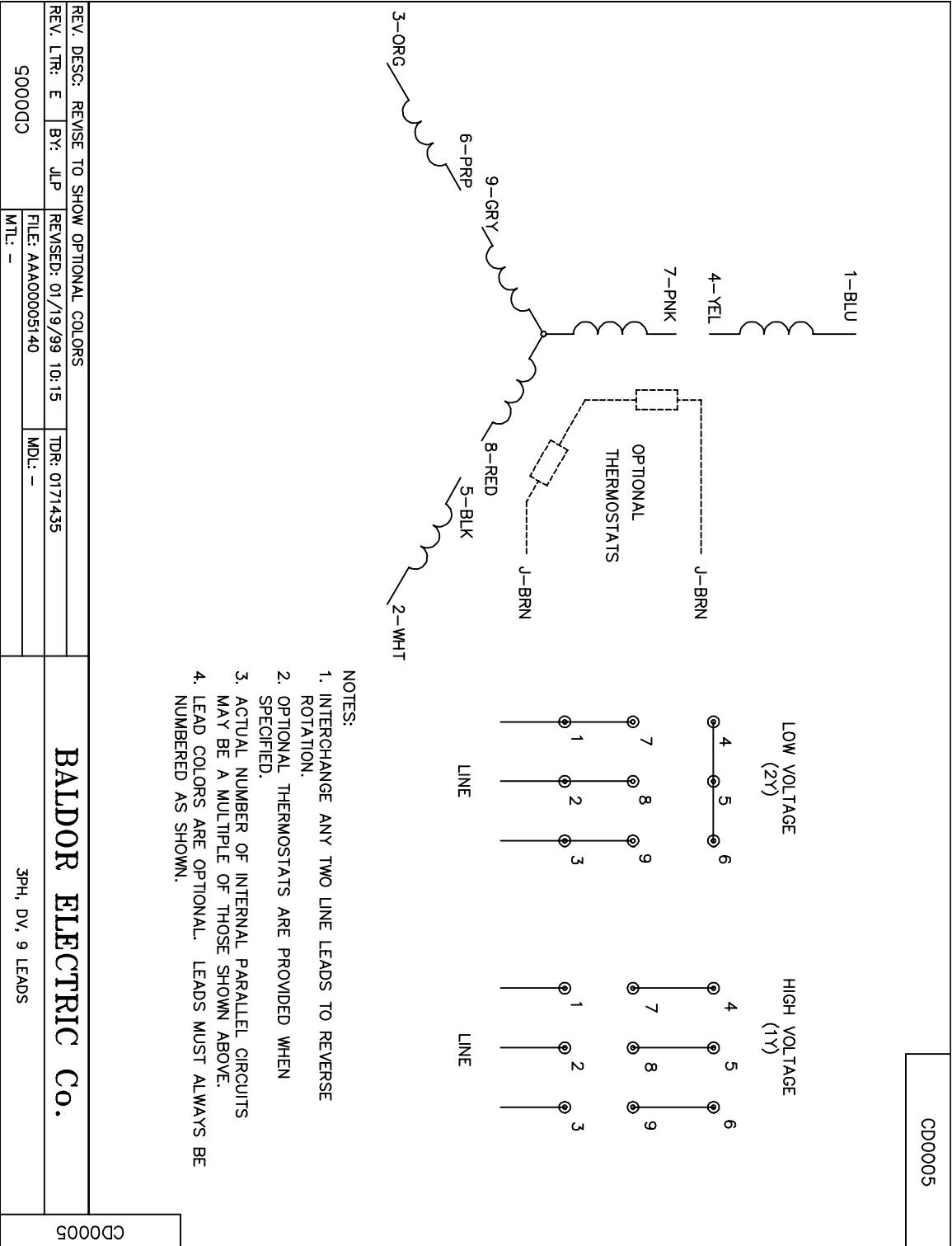
- NOTES:
1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
 2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC:	REVISE TO SHOW OPTIONAL COLORS
REV. LTR:	B BY: EAH
REVISED:	05/05/99 9:22
FILE:	AAAA00007538
MTL:	-
TDR:	0179909
MDL:	-

BALDOR ELECTRIC Co.

TYPE LC, SY, REV, THERMAL, LINE AMPS THRU HEATER, 5 LEADS

CD0774



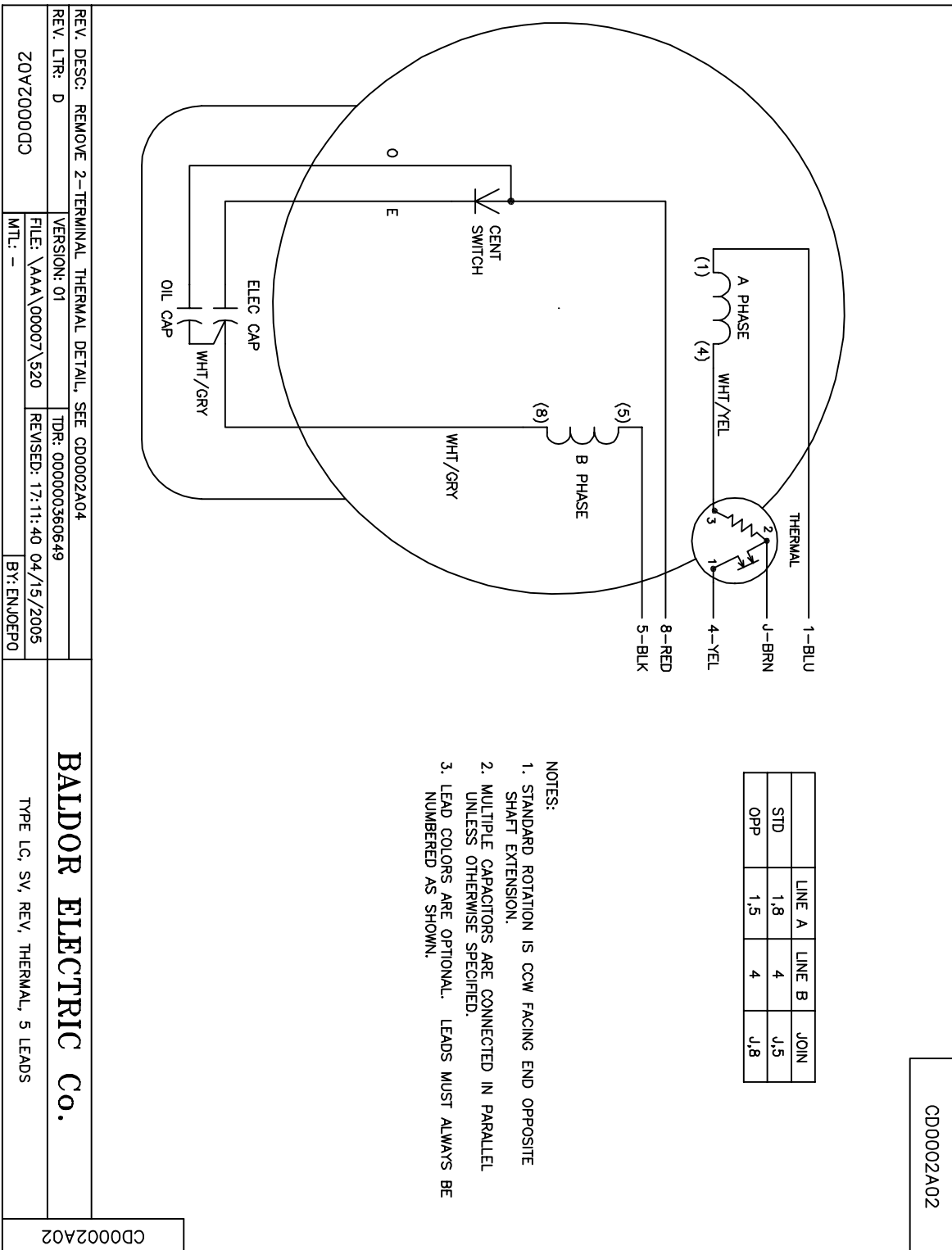
REV. LTR:	E	BY:	JLP	REVISED:	01/19/99	10:15	TDR:	0171435
5000DC		FILE:	AAA00005140	MDL:	-			
		MTL:	-					

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005

CD0005



CD0002A02

BALDOR ELECTRIC Co.

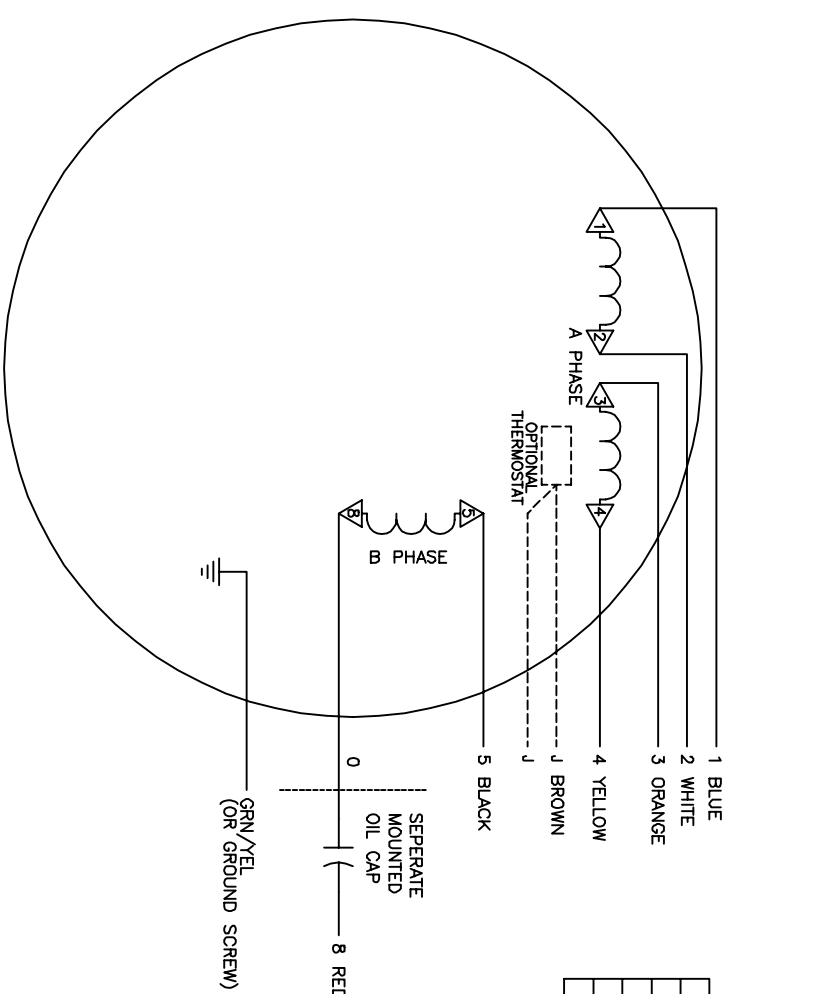
TYPE LC, SV, REV, THERMAL, 5 LEADS

REV. DESC: REMOVE 2-TERMINAL THERMAL DETAIL, SEE CD0002A04	VERSION: 01	TDR: 000000360649
REV. LTR: D	FILE: \AAA\00007\520	REVISED: 17:11:40 04/15/2005
20V2000C0	MTL: -	BY: ENJOEPO

CD0002A02

CD0491A01

	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	-
LOW OPP	1,3,5	2,4,8	-



- NOTES:
1. STANDARD ROTATION IS CCW VIEWING LEAD END.
 2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
 3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.
 5. = MAGNET WIRE COIL END WITH I.D. NUMBER.

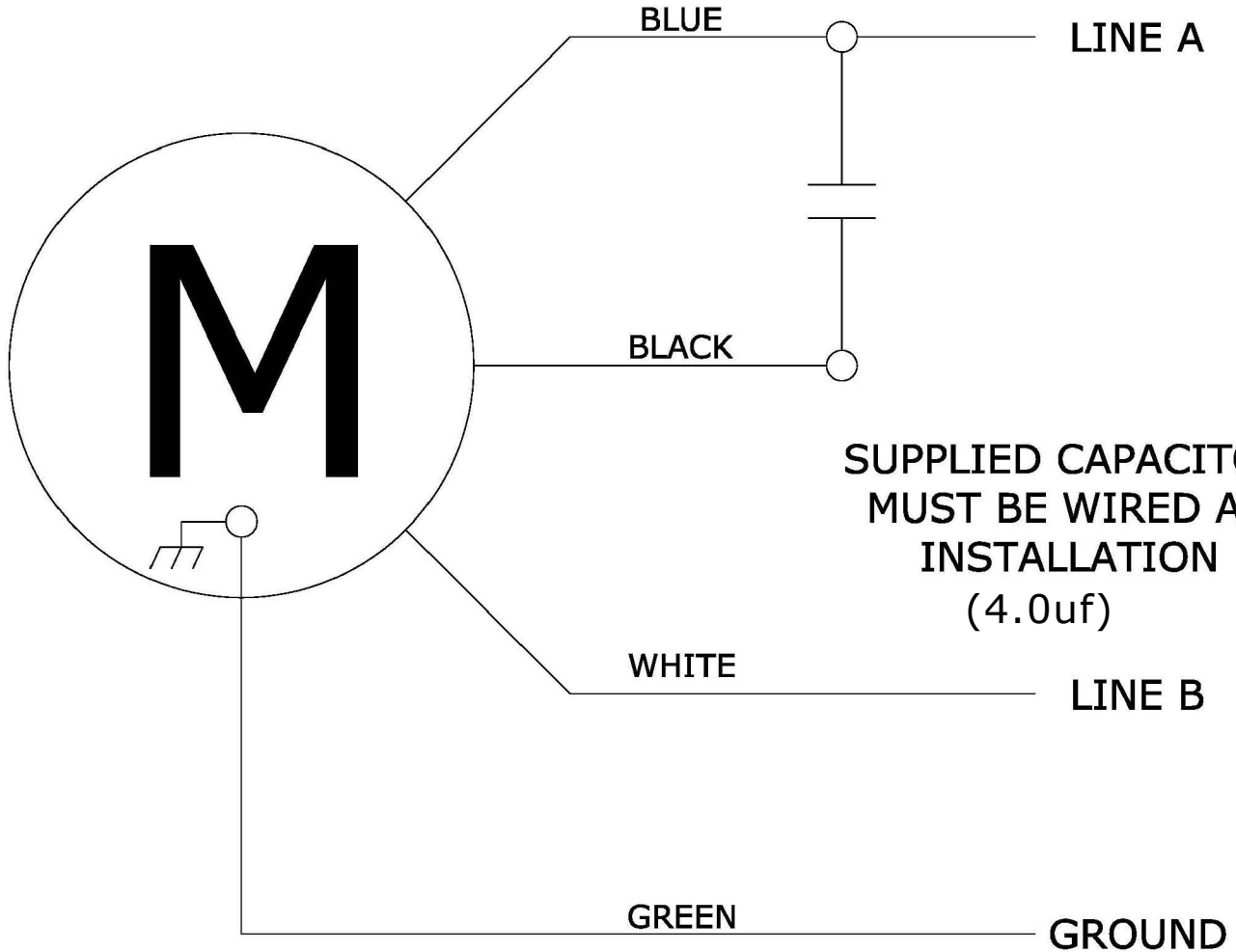
REV. DESC: CHANGE TO CLARKSVILLE STANDARD		TDR: 000000384488		BALDOR ELECTRIC Co.	
REV. LTR: D	VERSION: 03	REVISED: 13:48:58 04/20/2006			
10V16P00D	FILE: \CKA\00005\827	MTL: -	BY: CKANTTO	TYPE C, DV, REV, 6 LD, SEP CAP, CK	

CD0491A01

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BROTHER GEAR MOTOR

115VAC, 1 ϕ



**SUPPLIED CAPACITOR
MUST BE WIRED AT
INSTALLATION
(4.0uf)**

DRAWN BY: H.MURPHY
DATE: 6/05/07
REVISED BY: Name
DATE: --/--/--
PRIMARY UNITS: ----
SCALE: N/A
QTY REQ: (X)
MAT'L: ----
FINISH: ----

UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:

FRACTIONAL
± 1/8

DECIMAL
.XX ± .01
.XXX ± .005



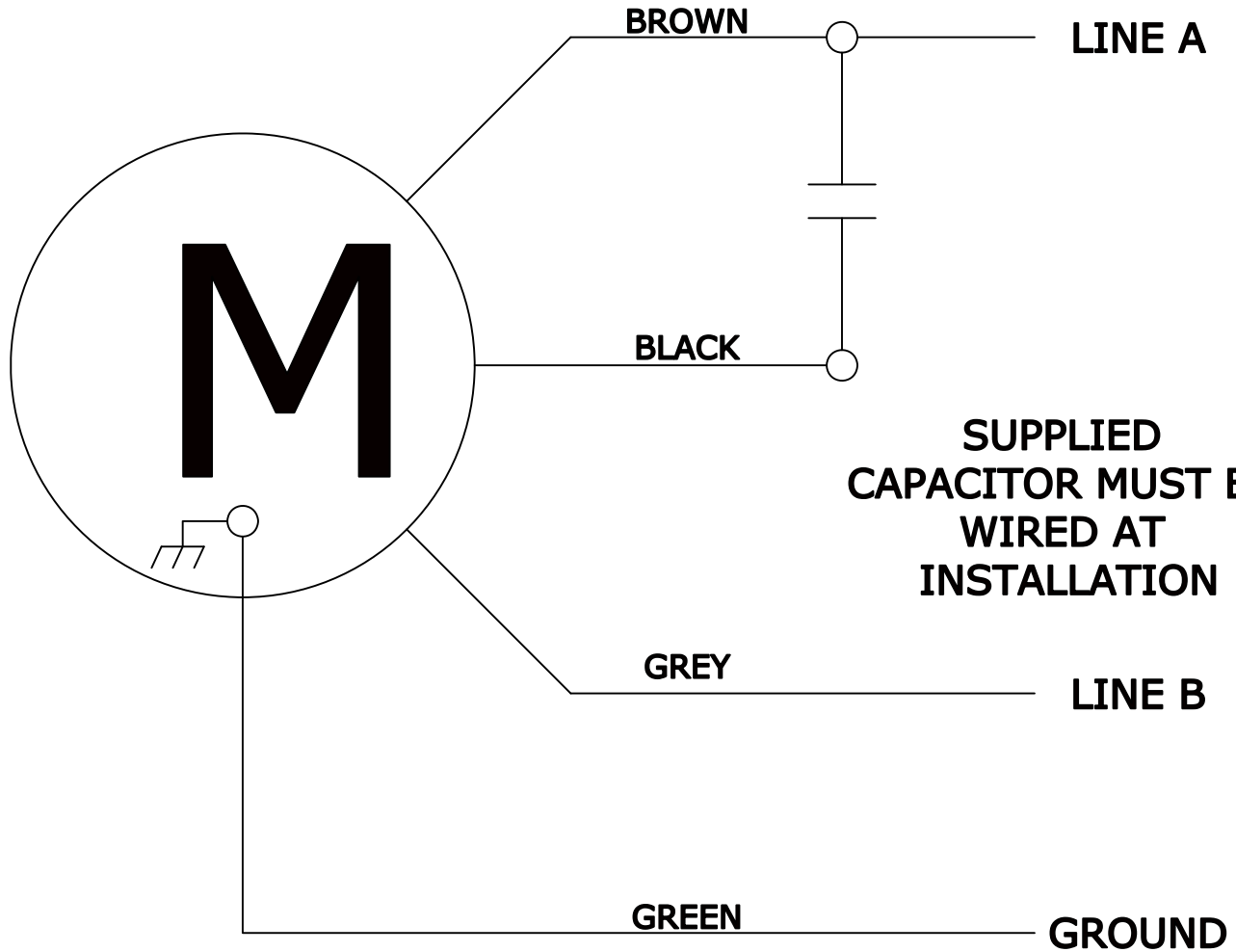
510 Bettis Academy Rd
Graniteville, SC 29829
(803) 641-6663


TRN: BROTHER GEAR MOTOR WIRING

Dwg No. ###

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BROTHER GEAR MOTOR 208-230VAC, 1Ø & 3Ø

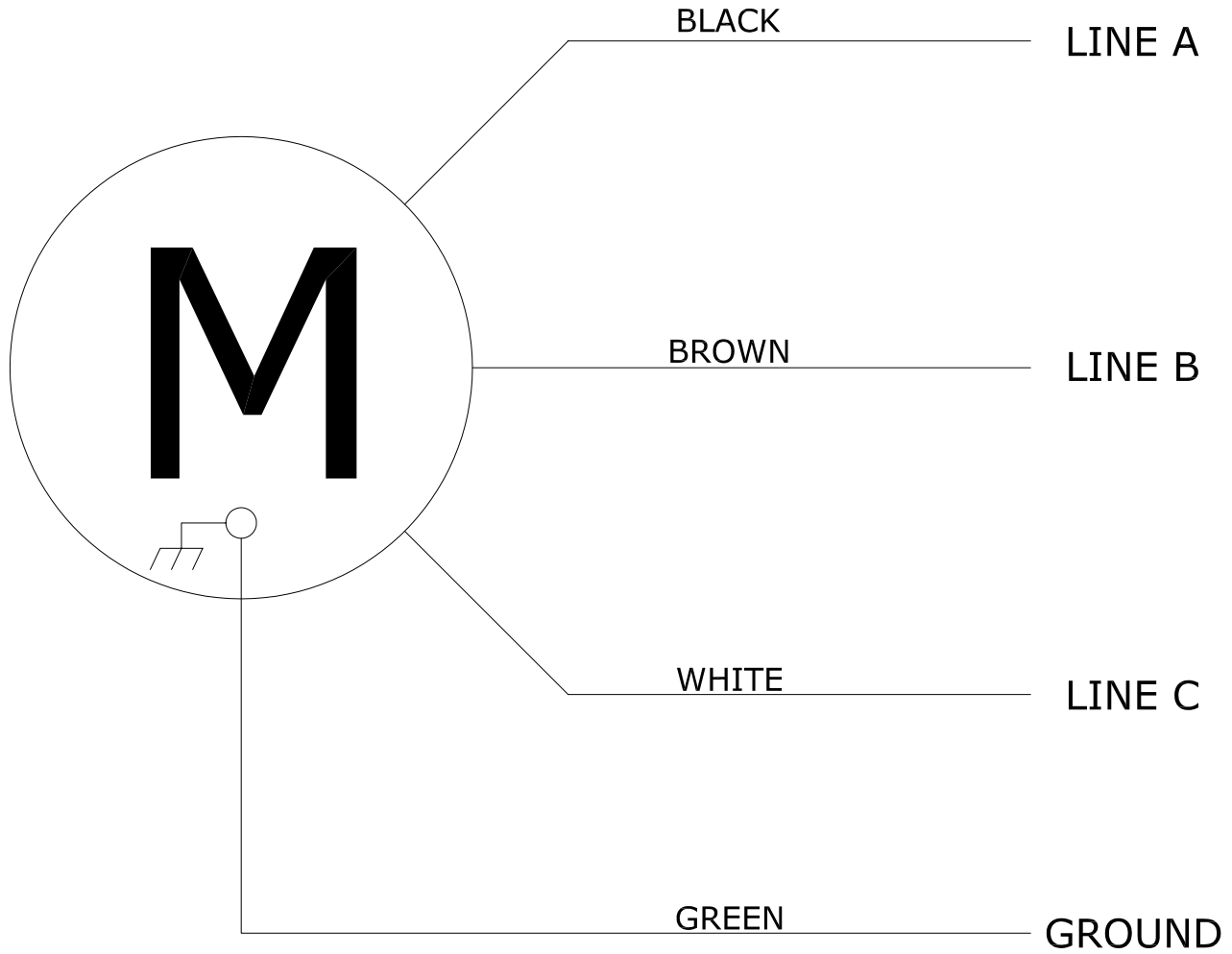


DRAWN BY: H.MURPHY	UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:	
DATE: 6/05/07		
REVISED BY: H.MURPHY	FRACTIONAL	510 Bettis Academy Rd
DATE: 6/28/07	± 1/8	Graniteville, SC 29829
PRIMARY UNITS: ----	DECIMAL	(803) 641-6663
SCALE: N/A	.XX ± .01	Title: BROTHER GEAR MOTOR WIRING
QTY REQ: (X)	.XXX ± .005	---
MAT'L: ----		Dwg No.: ###
FINISH: ----		

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BROTHER GEAR MOTOR

460VAC, 3 ϕ



DRAWN BY: H.MURPHY
DATE: 6/05/07
REVISED BY: Name
DATE: --/--/--
PRIMARY UNITS:----
SCALE: N/A
QTY REQ: (X)
MAT'L: ----
FINISH:----

UNLESS OTHERWISE SPECIFIED MAXIMUM TOLERANCES ARE:

FRACTIONAL
± 1/8
DECIMAL
.XX ± .01
.XXX ± .005



510 Bettis Academy Rd
Graniteville, SC 29829
(803) 641-6663

TITLE: BROTHER GEAR MOTOR WIRING

Dwg No. ###