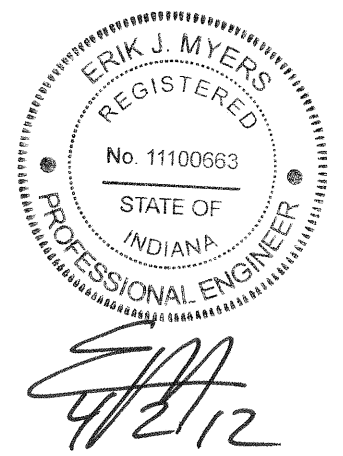


PLAN B ELECTRICAL DESIGN



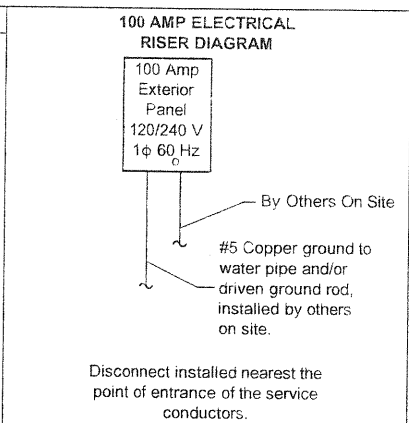
BUYER ACCEPTANCE PLAN B SIGN AND DATE

Electrical Specifications		
Product	Manufacturer	Model and Specifications
4,000 Watt Wall Mount Heater	Marley Fahrenheit	Model FZL4004 Fahrenheit or Equal 240V
Interior Drop in Light	Lithonia	Model 2GT8432A12120 2'x4' Lay In Trooper T-8/120V
Exterior Lighting	Lithonia	Model OFLM150Q120LPBZ 120V 150 Watt Quartz Halogen Security Light
A/C Unit	Friedrich	Model SM18L30A 11,000 BTU 240V or Equal

Note: Products may be substituted for an equal or better model.

100 Amp. ELECTRICAL PANEL SCHEDULE 120/240-V, 3-Wire, Single Phase 10 Space, 20 Circuit Minimum				DISTRIBUTION PANEL SIZING 120/240-V, 3-Wire, Single Phase	
Circuit number & Type	Wire Size & Quantity	Breaker		Description	
		Trip	Pole		
	14-2	15	1	Recepts	Receptacles (4x180) 720 W
	12-2	15	1	Lights	Lighting (96 sq. ft x 3w) 288 W
3/E	10-2	30	2	A/C	Wall Heater 4000 W
1/C	12-2	20	2	Wall Heater	A/C 1650 W
					6658 W / 240 V = 56A Service Rating

ELECTRICAL LEGEND	
	Wall Mounted Heater
	2' x 4' (2 Tube) Drop In Florescent Troffer Light
	100 Amp Exterior Mount 120/240 Main Panel
	15A 110V Single Pole Toggle Switch Mounted 48" Above Floor
	15A 120V Duplex Receptacle Mounted 34" Above Floor (Unless Noted)
	Exterior Wall Mounted Light, Weatherproof



- ELECTRICAL
- All Receptacles to be the grounding type.
 - All Wiring to be per the edition of the NEC Listed on the Cover Page, Type MC CU with ground.
 - Main panel to be marked "Suitable For Use As Service Equipment" and be equipped with breaker/ fuse type overcurrent protection.
 - Proper thermal overload protection to be provided for all motors.
 - Disconnecting means within sight required for all motors.
 - Weather proof protection required for all outdoor lights, receptacles and disconnects.
 - Proper working clearances shall be provided and maintained for all electrical equipment.
 - All florescent fixture's required thermal protection and proper clearances from insulation, also applicable for incandescent fixture's.
 - Combination exhaust fan/light and all recessed incandescent fixture's to be with thermal protection.
 - Exit lights, if electric, must be fed from an approved emergency service connected ahead of, but not within main service disconnection means enclosure, and installed as per service requirements, or be battery backup type units.
 - Service conductors located within the perimeter of the building, shall be installed in accordance with article 230-6, per the edition of the NEC on the cover page.
 - Maximum 15 (2) tube florescent lights in 15A circuit, Maximum 10 receipts on 15A circuit, Maximum 7 (4) Tube florescent lights on a 15A circuit.
 - Maximum 20 (2) tube florescent lights in 20A circuit, Maximum 13 receipts on 20A circuit, Maximum 10 (4) Tube florescent lights on a 20A circuit.
 - All circuits and equipment shall be grounded in accordance with the appropriate articles of the National Electrical Code (NEC).
 - HVAC equipment shall be provided with readily accessible disconnects adjacent to the equipment served. A unit switch with a marked "off" position that is a part of the HVAC equipment and disconnects all ungrounded conductors shall be permitted as the disconnecting means where other disconnecting means are also provided by a readily accessible circuit breaker.
 - Prior to energizing the electrical system the interrupt rating of the main breaker must be designed by a local electrical consultant to verify compliance with NEC 110-9.
 - The electrical feeders are designed by others, site installed and subject to review and approval by the authority having jurisdiction.
 - Ceiling Luminary boxes shall be designed for the purpose and required to support a minimum of 50 lbs.

REVISIONS:	SCALE: 1/2" = 1'-0"	APPROVED BY:
	DATE: 03/26/2012	DRAWN BY: R. Knowles

Twin Modular Services Inc.
Blackwood, NJ

TITLE: ELECTRICAL PLAN B	JOB NO: TMS032212-19
MODEL: 812 GUARD BOOTH	DRAWING NO: 4B

0107 2008-09-23