








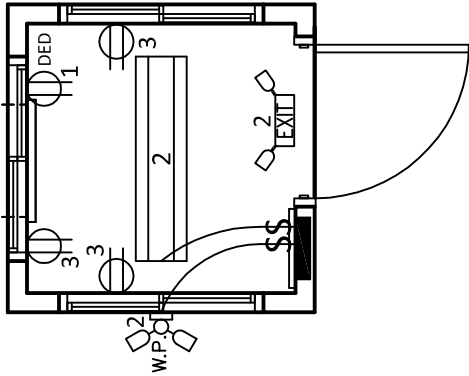
Panel ID: "A"									
VOLTAGE: MOUNTED TYPE		120/240		PHASE: INTERIOR/EXTERIOR:		SINGLE, 3 WIRE			
MAIN BREAKER: 200		SURFACE/FLUSH:		ELUSH		INTERIOR		PER PHASE	
MAIN LUGS ONLY:									
WATTS	AREA SERVED	WIRE	BRK	CKT	A	B	CKT	BRK	WIRE
0	-	-	0	1	-	-	2	20	12-23
0	-	-	0	3	-	-	4	0	-
540	RECP'TS	12-2	15	5	-	-	6	0	-
265	LIGHTS	14-2	20	7	-	-	8	0	-
0	SPACE	-	0	9	-	-	10	0	-
0	SPACE	-	0	11	-	-	12	0	-
0	SPACE	-	0	13	-	-	14	0	-
0	SPACE	-	0	15	-	-	16	0	-
0	SPACE	-	0	17	-	-	18	0	-
0	SPACE	-	0	19	-	-	20	0	-
0	SPACE	-	0	21	-	-	22	0	-
0	SPACE	-	0	23	-	-	24	0	-
0	SPACE	-	0	25	-	-	26	0	-
0	SPACE	-	0	27	-	-	28	0	-
0	SPACE	-	0	29	-	-	30	0	-
0	SPACE	-	0	31	-	-	32	0	-
CALCULATION OF CONTINUOUS LOAD:									
NEC MINIMUM LIGHTING LOAD:		TOTAL FOR PHASE "A":		TOTAL FOR PHASE "B":		TOTAL FOR PHASE "C":		TOTAL FOR PHASE "D":	
(72 SQUARE FEET) x 3.5 =		252 VA		252 VA		252 VA		252 VA	
ACTUAL LIGHTING LOAD:		265 VA		265 VA		265 VA		265 VA	
USE LARGER OF NEC OR ACTUAL:		1900 VA		1900 VA		1900 VA		1900 VA	
LARGEST SINGLE MOTOR LOAD:		6000 VA		6000 VA		6000 VA		6000 VA	
1 MOTOR LOAD: AT 125%		1.25		7500 VA		7500 VA		7500 VA	
TOTAL MOTOR / LIGHTING LOAD		9400 VA		9400 VA		9400 VA		9400 VA	
TOTAL LOAD/240 VOLTS =		24 Amps		24 Amps		24 Amps		24 Amps	

- ELECTRICAL:**
1. ALL RECEPTACLES TO BE GROUNDED TYPE.
 2. ALL WIRING TO BE PER N.E.C., W/TYPE ROMEX OR MC WHERE EXPOSED ABOVE GRID CEILING (COPPER) W/GROUND CONDUCTOR.
 3. MAIN PANEL TO BE MARKED "SUITABLE FOR USE AS SERVICE EQUIPMENT", AND BE EQUIPPED WITH BREAKER/FUSE TYPE OVER CURRENT PROTECTION.
 4. PROPER THERMAL OVERLOAD PROTECTION TO BE PROVIDED FOR ALL MOTORS.
 5. DISCONNECTING MEANS WITHIN SIGHT REQUIRED FOR ALL MOTORS.
 6. WEATHERPROOF PROTECTION REQUIRED FOR ALL OUTDOOR LIGHTS, RECEPTACLES AND DISCONNECTS.
 7. PROPER WORKING CLEARANCES TO BE PROVIDED AND MAINTAINED ABOUT ALL ELECTRICAL EQUIPMENT.
 8. ALL FLUORESCENT FIXTURES REQUIRE THERMAL PROTECTION AND PROPER CLEARANCES FROM INSULATION, ALSO APPLICABLE FOR INCANDESCENT FIXTURES.
 9. COMBINATION EXHAUST FAN/LIGHT AND ALL RECESSED INCANDESCENT FIXTURES TO BE WITH THERMAL PROTECTION.
 10. EXIT LIGHTS (IF ELECTRIC) MUST BE FED FROM AN APPROVED EMERGENCY SERVICE CONNECTED AHEAD OF, BUT NOT WITHIN MAIN SERVICE DISCONNECTING MEANS ENCLOSURE, AND INSTALLED AS PER SERVICE REQUIREMENTS, OR BE BATTERY BACKUP TYPE UNITS.
 11. SERVICE CONDUCTORS LOCATED WITHIN THE PERIMETER OF THE BUILDING SHALL BE INSTALLED IN ACCORDANCE WITH NATIONAL ELECTRIC CODE
 12. EXTERIOR LIGHTS ARE TO BE PHOTO-CELL CONTROLLED AND BI-LEVEL SWITCHING OF INTERIOR LIGHTS IN ACCORDANCE WITH INTERNATIONAL ENERGY CONSERVATION OR STATE CODES.
 13. INTERIOR LOCATION OF ELECTRICAL PANEL REQUIRES A DISCONNECT TO BE INSTALLED AT THE POINT OF ENTRANCE NEAREST THE SERVICE CONDUCTORS.

ELECTRICAL LEGEND

-  200A SINGLE PHASE BREAKER PANEL W/3" CONDUIT SERVICE ENTRANCE THRU FLOOR
-  1x4 SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE (64w MAX.)
-  SINGLE POLE TOGGLE SWITCH UP 44" A.F.F. (U.O.N.)
-  SINGLE POLE TOGGLE SWITCHES UP 44" A.F.F. (U.O.N.) (DUAL SWITCHED PER 2006 INTERNATIONAL ENERGY CONSERVATION CODE)
-  23W WP FLUORESCENT PORCH LIGHT, UP 82" A.F.F.
-  WALL MOUNTED SINGLE FACED EXIT LIGHT W/BATTERY BACKUP
-  20A. DUPLEX RECEPTACLE, 120V. UP 18" A.F.F. (U.O.N.)

THRU WALL HVAC UNIT GE
6,000 THRU WALL HEAT/COOL UNIT
115v, 120/240v; INSTALLED
PER MFG'R SPEC'S



ELEC PLAN

PROVIDE PANIC BUTTON HARDWARE INSIDE
GUARD SHACK. COORDINATE EXACT LOCATION
WITH VA PROJECT ENGINEER. ACTIVATION AND
CONNECTION BY OTHERS:

PROVIDE EQUAL TO OR BETTER: 6X6 GUARD SHACK AS
INDICATED ON THESE DRAWINGS ARE FOR QUICK
REFERENCE ONLY AND SHALL BE USED TO GET BASIS OF
DESIGN. VENDORS WITH NEED TO PROVIDE THEIR OWN
SUBMITTAL OF ACTUAL GUARD SHACK.

PAC VAN
6'x6' GUARD SHACK

ELEC PLAN

ISSUE:

DESIGNED:	3-87-2012	DRAWN BY:	PPM
SERIAL #:	-	SCALE:	1/4"=1'-0"
PRINTED:	3/8/12 2:00PM	DRAWING #:	E1
APPROVED BY:			