Panel ID: "A"

***MAIN BREAKER: 100
MAIN LUGS ONLY:

VOLTAGE: 120/208
MOUNTED TYPE
SURFACE/FLUSH: FLUSH

PHASE: SINGLE, 3 WIRE
INTERIOR/EXTERIOR: INTERIOR
LOCATION: PER PRINT

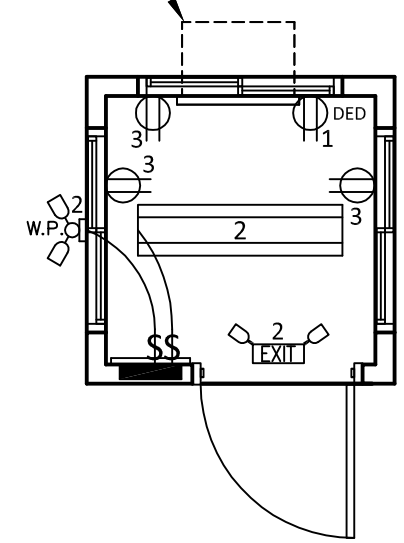
WATTS	AREA SERVED	WIRE	BRK	CKT	A	B	CKT	BRK	WIRE	AREA SERVED	WATTS
0	–	–	0	1			2	20	12–23	120v DED RECPT	1800
0		–	0	3			4	0	–	SPACE	0
540	RECPTS	12–2	15	5			6	0	–	SPACE	0
265	LIGHTS	'14–2	20	7			8	0	–	SPACE	0
0	SPACE	–	0	9			10	0	–	SPACE	0
0	SPACE	–	0	11			12	0	–	SPACE	0
0	SPACE	–	0	13			14	0	–	SPACE	0
0	SPACE	–	0	15			16	0	–	SPACE	0
0	SPACE	–	0	17			18	0	–	SPACE	0
0	SPACE	–	0	19			20	0	–	SPACE	0
0	SPACE	–	0	21			22	0	–	SPACE	0
0	SPACE	–	0	23			24	0	–	SPACE	0
0	SPACE	–	0	25			26	0	–	SPACE	0
0	SPACE	–	0	27			28	0	–	SPACE	0
0	SPACE	–	0	29			30	0	–	SPACE	0
0	SPACE	–	0	31			32	0	–	SPACE	0

CALCULATION OF CONTINUOUS LOAD:			TOTAL FOR PHASE "A":	2340 VA
NEC MINIMUM LIGHTING LOAD:			TOTAL FOR PHASE "B":	265 VA
(72 SQUARE FEET) x	3.5 =	252 VA	TOTAL CONNECTED LOAD:	2605 VA
ACTUAL LIGHTING LOAD:		265 VA	– ACTUAL MOTOR & LIGHTINGLOAD:	–3660 VA
USE LARGER OF NEC OR ACTUAL:		1900 VA	MOTOR & LIGHTING LOAD:	9400 VA
LARGEST SINGLE MOTOR LOAD:		6000 VA	MINUS GENERAL PURPOSE RECEPTS OVER 10KW @ 50%	0 VA
1 MOTOR LOAD: AT 125%	1.25	7500 VA	TOTAL LOAD:	5740
TOTAL MOTOR / LIGHTING LOAD		9400 VA	TOTAL LOAD /208 V =	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.

THRU WALL HVAC UNIT GE
6,000 THRU WALL HEAT/COOL UNIT
115v, 120/208v; INSTALLED
PER MFG'R SPEC'S



ELEC PLAN

ELECTRICAL LEGEND

- 100A SINGLE PHASE BREAKER PANEL W/3" CONDUIT SERVICE ENTRANCE THRU FLOOR
- XX 1x4 SURFACE MOUTNED FLUOURESCENT 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.
- EXIT WALL MOUNTED SINGLE FACED EXIT LIGHT W/BATTERY BACKUP
- 20A. DUPLEX RECEPTACLE, 120V. UP 18" A.F.F. (U.O.N.)

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
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ELEC PLAN

ISSUE:

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