

ELEC/HVAC PLAN
SCALE: 3/16"=1'-0"

J-BOXES @ 48" & 80" A.F.F. FOR INTERCOM SYSTEM
(48" BOX: 2x4 SINGLE GANG)
(80" BOX: 4x4 DOUBLE GANG)

ELECTRICAL SYMBOLS

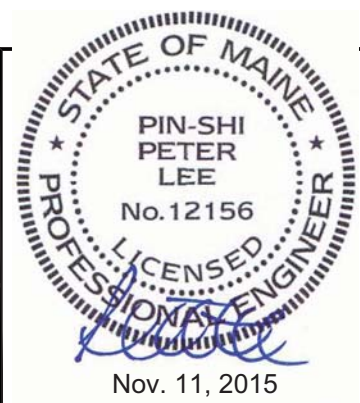
	DUPLEX RECEPTACLE @ 16" A.F.F.		PROGRAMMABLE A/C THERMOSTAT @ 53" A.F.F.
	DUPLEX RECEPTACLE @ 42" A.F.F. (UNLESS NOTED)		J-BOX @ 48" A.F.F. FOR PULL STATION - TO BE WIRED BACK TO HORN/STROBE (2x4 SINGLE GANG)
	QUADPLEX RECEPTACLE @ 16" A.F.F. (UNLESS NOTED)		J-BOXES @ 48" & 80" A.F.F. FOR PULL STATION AND HORN/STROBE (48" BOX: 2x4 SINGLE GANG) (80" BOX: 4x4 DOUBLE GANG)
	RECEPTACLE 240v @ 16" A.F.F.		J-BOX @ 80" A.F.F. FOR STROBE ONLY (4x4 DOUBLE GANG)
	CEILING MOUNTED DUPLEX RECEPTACLE		ILLUMINATED EXIT SIGN AND EMERGENCY LIGHTING COMBO w/BATTERY BACK-UP
	CEILING MOUNTED QUADPLEX RECEPTACLE		EXHAUST FAN-100 CFM (UNLESS NOTED)
	FLOOR DUPLEX RECEPTACLE		EXHAUST FAN & LIGHT COMBO-100 CFM/26W (UNLESS NOTED)
	FLOOR QUADPLEX RECEPTACLE		1'x4' FLUORESCENT - DIFFUSED - SURFACE MOUNTED (2 TUBE = 64w MAX.)
	SWITCH @ 48" A.F.F.		RECESSED INCANDESCENT LIGHT FIXTURE (26w)
	3-WAY SWITCH @ 48" A.F.F.		WEATHERPROOF LIGHT "PORCH" (W. PER SPEC)
	ELECTRICAL PANEL BOX 48" TO BOTTOM		WEATHERPROOF LIGHT "FLOOD" (W. PER SPEC)
	TELEPHONE JACK AT 16" A.F.F. (UNLESS NOTED)		HVAC DISCONNECT
	TELEPHONE JACK AT 42" A.F.F. (UNLESS NOTED)		
	TELEPHONE FLOOR J-BOX		
	COMPUTER JACK @ 16" A.F.F. (UNLESS NOTED)		
	WEATHERPROOF PHOTOCELL		
	WALL MOUNTED JUNCTION BOX 16" (UNLESS NOTED)		
	CEILING MOUNTED JUNCTION BOX		
	FLOOR MOUNTED JUNCTION BOX		

ELECTRICAL PANEL SCHEDULE PANEL "B"

CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1/3	-	-	-
2/4	-	-	-
5,6	LIGHTS	20A	12-2 NM THHN
7-10	RECPTS	20A	12-2 NM THHN
11	LIGHTS & FANS	20A	12-2 NM THHN
12/14	WATER HEATER	30A(2P)	10-3 NM ROMEX
13	DED RECEPT	20A(1P)	12-2 NM ROMEX

ELECTRICAL PANEL SIZING PANEL "B"

DESCRIPTION	KVA
.0035 kW/SF x 2128 SF x 1.25	= 9.31
24 RECPTS @ 180 VA / 1000	= 4.32
1 DED RECEPT @ 1.9 kW x 1.25	= 2.38
2 FANS @ .3 kW x 1.25	= .75
HVAC UNITS @ 10.5 kW	= -
2 AIR EXCHANGER @ 1.9 kW x 1.25	= 4.75
21.51 TOTAL KW	
TOTAL / 240 x 1000	= 89.63 AMPS
INSTALL 200 AMP PANEL 120/240 V, 1Ø PHASE	



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ELEC/HVAC PLAN

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Drawing Date: 11-10-2015
Project: PORTLAND, ME
Drawn By: J.L.B.
Sheet: EH1
Scale: 3/16"=1'-0"
5 of 6