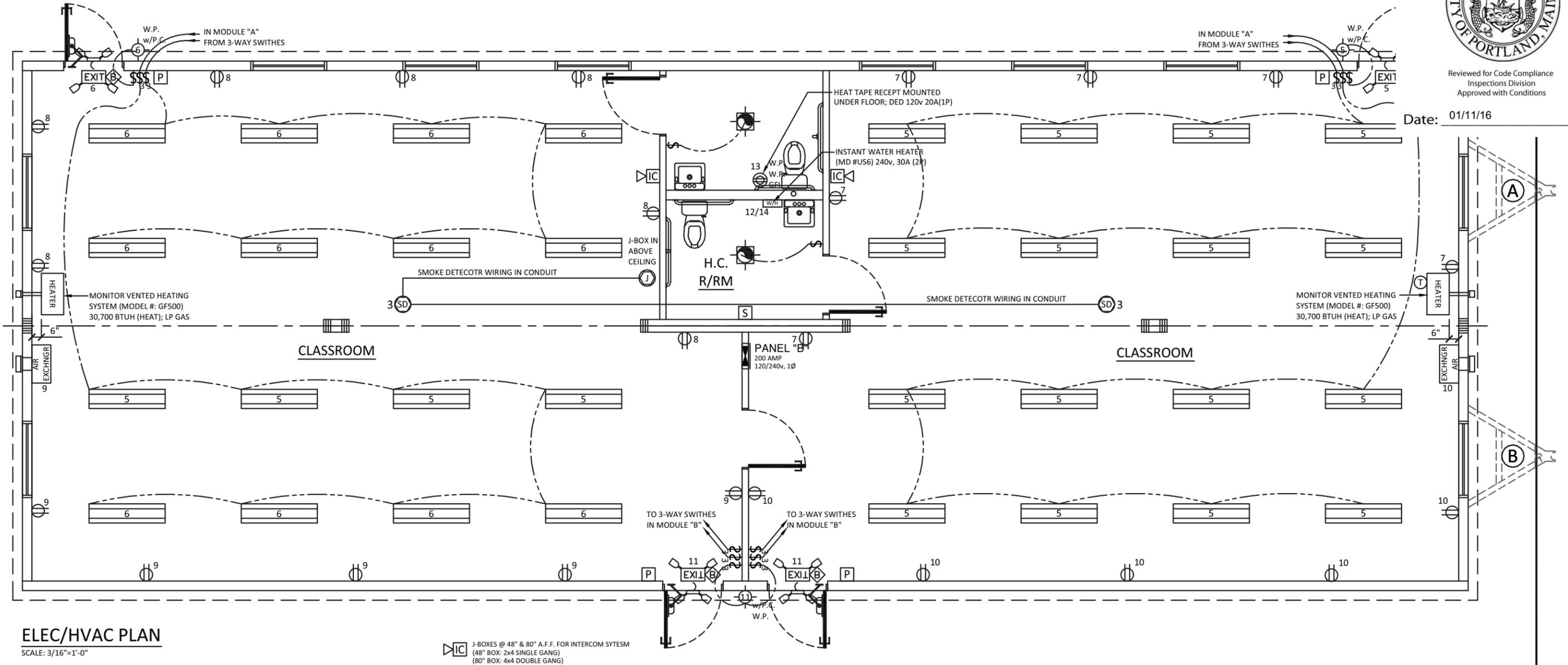




Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 01/11/16



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

	DUPLX RECEPTACLE @ 16" A.F.F.		PROGRAMMABLE A/C THERMOSTAT @ 53" A.F.F.
	DUPLX 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)
	QUADPLX 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 DUPLX RECEPTACLE		ILLUMINATED EXIT SIGN AND EMERGENCY LIGHTING COMBO w/BATTERY BACK-UP
	CEILING MOUNTED QUADPLX RECEPTACLE		EXHAUST FAN-100 CFM (UNLESS NOTED)
	FLOOR DUPLX RECEPTACLE		EXHAUST FAN & LIGHT COMBO-100 CFM/26W (UNLESS NOTED)
	FLOOR QUADPLX RECEPTACLE		1'x4' FLUORESCENT - DIFFUSED - SURFACE MOUNTED (2 TUBE = 64w MAX.)
	SWITCH @ 48" A.F.F.		INCANDESCENT SP FIXTURE (26w)
	3-WAY SWITCH @ 48" A.F.F.		RECESSED INCANDESCENT LIGHT FIXTURE (26w)
	ELECTRICAL PANEL BOX 48" TO BOTTOM		WEATHERPROOF LIGHT "PORCH" (W. PER SPEC)
	TELEPHONE JACK AT 16" A.F.F. (UNLESS NOTED)		WEATHERPROOF LIGHT "FLOOD" (W. PER SPEC)
	TELEPHONE JACK AT 42" A.F.F. (UNLESS NOTED)		HVAC DISCONNECT
	TELEPHONE FLOOR J-BOX		
	COMPUTER JACK @ 16" A.F.F. (UNLESS NOTED)		
	WEATHERPROOF PHOTOCCELL		
	WALL MOUNTED JUNCTION BOX 16" (UNLESS NOTED)		
	CEILING MOUNTED JUNCTION BOX		
	FLOOR MOUNTED JUNCTION BOX		

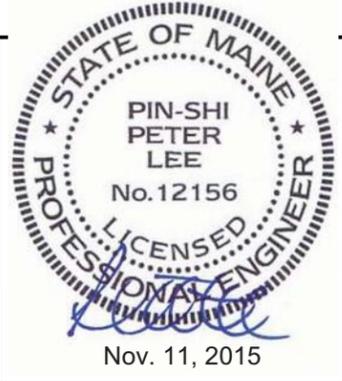
ELECTRICAL PANEL SCHEDULE PANEL "B"

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(S) @ 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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SERIAL #: 351-B
OCCUP: E
DRAWING #: VGM-2015-0028

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