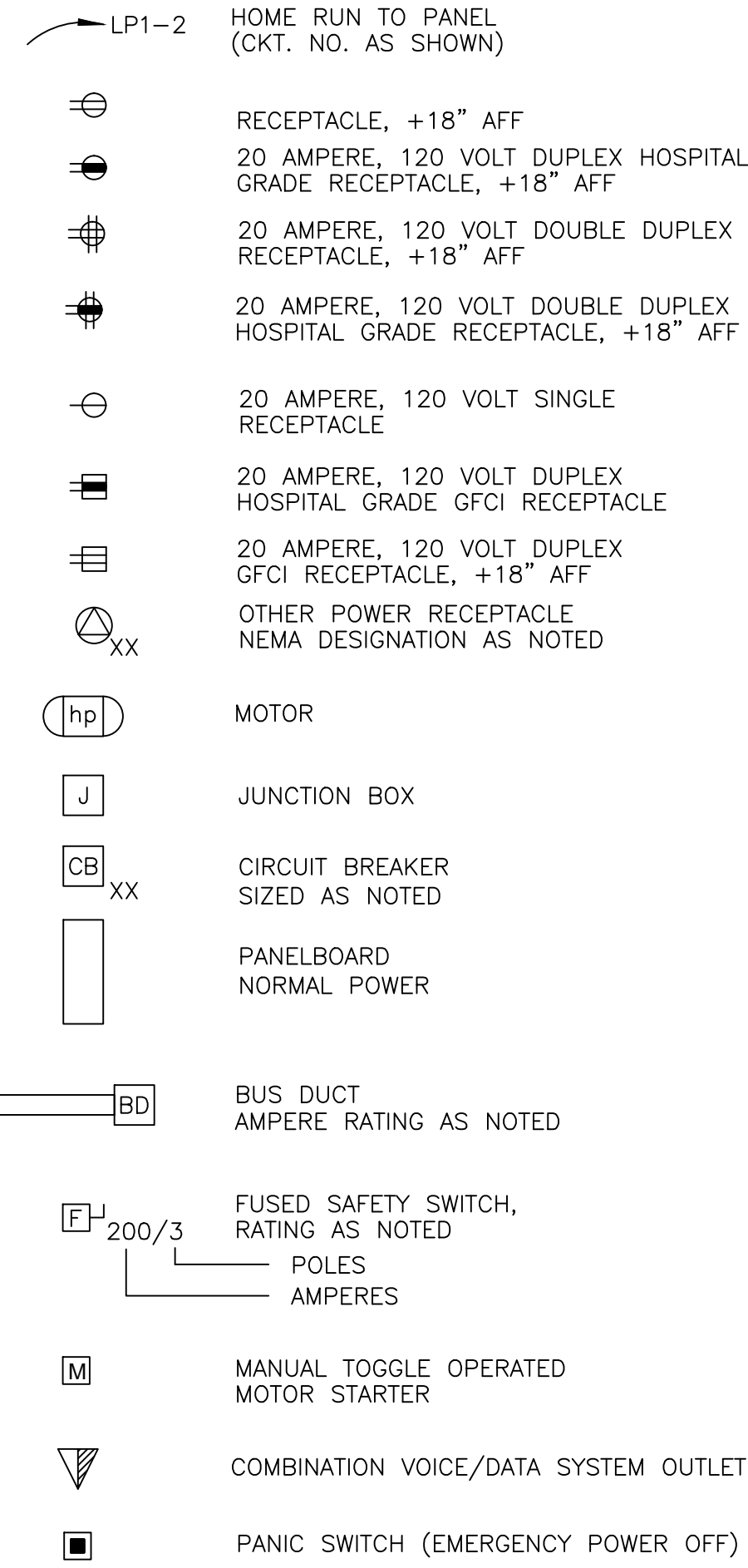


POWER SYMBOLS



DIRECTORY	KVA LOAD			CKT #	BKR AMPS	PHASE	BKR AMPS	CKT #	KVA LOAD			DIRECTORY		
	A	B	C						A	B	C			
BUS DUCT	*			1		A	20(2)	2	1.5			EXAM 107 & 109 RECEPTS		
		*		3	60	B	20(2)	4		0.8		ORAL HEALTH 110 RECEPTS		
			*	5		C	20(2)	6			0.8	ORAL HEALTH 111 RECEPTS		
UNDERCABINET REF & FRZR	1.0			7	20	A	20	8	1.0			DENTAL CHAIR 110		
SF & EF		0.3		9	20	B	20	10		1.0		DENTAL CHAIR 111		
WORKROOM 113 COPIER			1.0	11	20	C	20	12			1.1	MEETING RM. 112 RECEPTS		
X-RAY MACHINE	1.5			13	20	A	20	14	0.3			MEETING RM. 112 FRIDGE		
WORKROOM 113 STERILIZER		1.0		15	20(1)	B	20(1)	16		1.3		COUNSEL 105/OFFICE 102		
WORKROOM 113 COUNTERTOP			0.6	17	20(1)	C	20(1)	18			1.7	FC-1 & FC-2		
SUBTOTAL	2.5	1.3	1.6						2.8	3.1	3.6	SUBTOTAL		
VOLTAGE: 208Y/120V			PHASE: 3			POLES: 4			TOTAL KVA A-PHASE			5.3	PANEL	GWS
MAIN LUGS ONLY			BUS AMPS: 225A			TOTAL KVA B-PHASE			4.4					
MOUNTING: SURFACE						TOTAL KVA C-PHASE			5.2			LOCATION	SHOP AREA	
SHORT CIRCUIT RATING: 10 KAIC						TOTAL KVA			14.9					

NOTES: EXISTING WESTINGHOUSE PRL1

(1) NEW BREAKER
(2) REPLACE 60A, 3P BREAKER WITH NEW 20A, 1P BREAKERS.

2 ELECTRICAL PANEL SCHEDULE
NOT TO SCALE

GENERAL NOTES

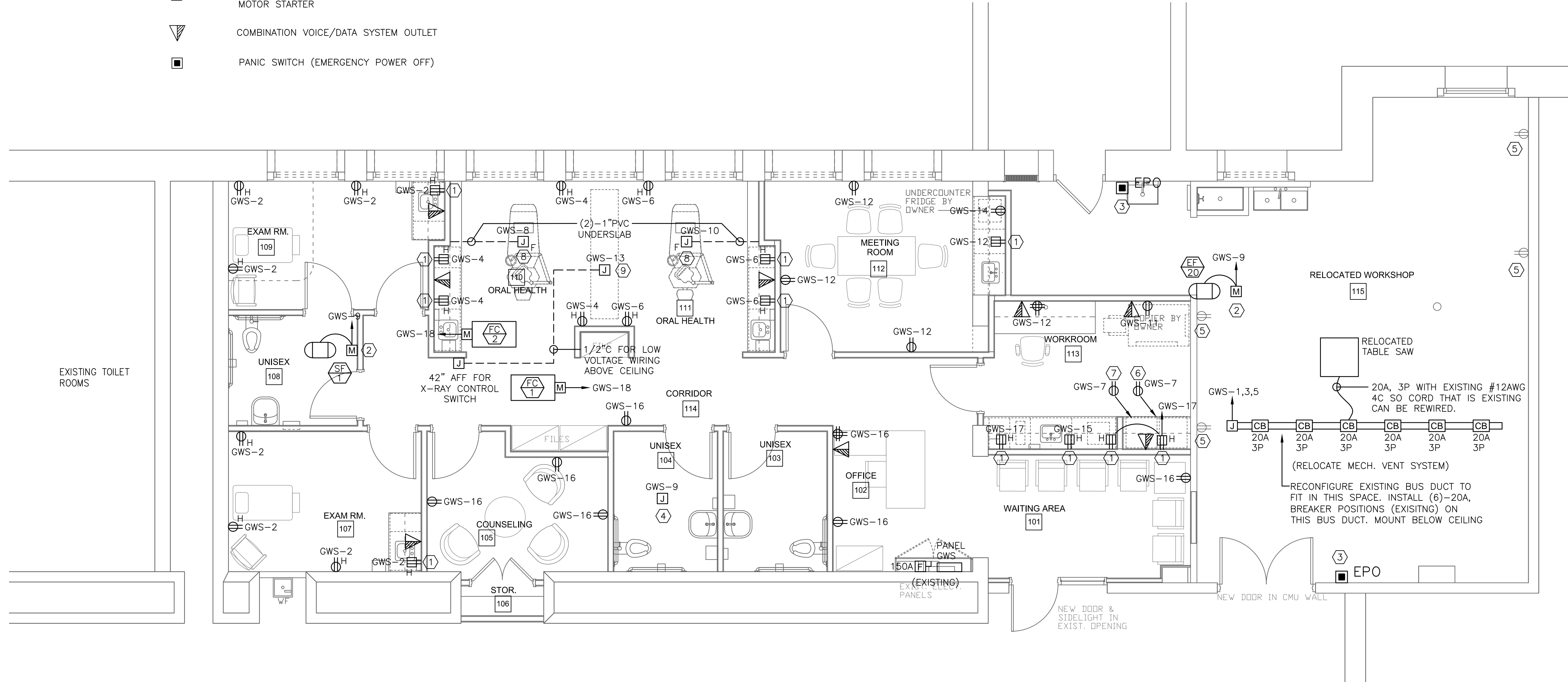
- ALL WORK SHALL BE IN COMPLIANCE WITH NFPA-70, NATIONAL ELECTRICAL CODE.
- ALL MOTOR SAFETY SWITCHES, DISCONNECTS AND MOTOR STARTERS ARE FURNISHED BY DIVISION 16000 UNLESS NOTED AS FURNISHED WITH EQUIPMENT (FWE).
- UNLESS OTHERWISE NOTED, CONVENIENCE RECEPTACLES SHALL BE MOUNTED 18 INCHES AFF AND LIGHTING TOGGLE SWITCHES 48 INCHES AFF.
- ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH A UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF THE SEPARATION.
- LIGHTING TOGGLE SWITCHES SHALL BE COMMERCIAL SPECIFICATION GRADE, 120 VOLT, SIDE WIRED AS MANUFACTURED BY LEVITON, PASS & SEYMOUR, OR APPROVED EQUAL.
- CONVENIENCE RECEPTACLES SHALL BE COMMERCIAL SPECIFICATION GRADE UNLESS SHOWN OTHERWISE, GROUNDING TYPE, NEMA 5-20R, SIDE WIRED, AS MANUFACTURED BY LEVITON, PASS & SEYMOUR, OR APPROVED EQUAL.
- HOSPITAL GRADE RECEPTACLES SHALL BE FURNISHED AS SHOWN AS MANUFACTURED BY LEVITON, PASS & SEYMOUR OR APPROVED EQUAL.
- DEVICE COVERPLATES SHALL BE BRUSHED STAINLESS STEEL IN ALL FINISHED SPACES.
- UNLESS OTHERWISE NOTED ALL HOMERUNS FOR 15 OR 20A CIRCUITS SHALL BE 2#12AWG & #12 GND. HOMERUNS FED FROM 20A, 1P CIRCUITS IN EXCESS OF 100 FEET (FOR 120V CIRCUITS). ALL WIRING SHALL BE COPPER.
- CONDUIT SYSTEMS: EXPOSED INTERIOR CONDUITS SHALL BE EMT, 3/4" MINIMUM. PROPERLY SUPPORTED MC CABLE ASSEMBLIES MAY BE USED ABOVE CEILINGS AND IN WALLS. HOSPITAL GRADE WIRING SHALL BE IN HCF TYPE MC CABLE ASSEMBLIES AS MANUFACTURED BY SOUTHWIRE OR APPROVED EQUAL.

NOTES:

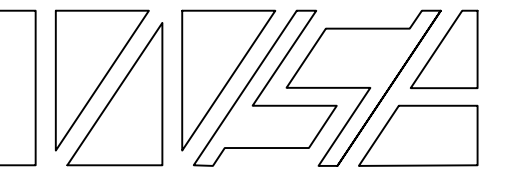
- SEE E0.0 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.

KEYED NOTES:

- MOUNT 6" ABOVE COUNTER TOP COORDINATE WITH BACKSPASH.
- CONTROLLED BY ATC SYSTEM
- RECONNECT EPO SWITCH TO EXISTING RELAY SYSTEM WHICH DISCONNECTS POWER UPON OPERATION.
- JUNCTION BOX FOR LOW VOLTAGE TOILET CONTROLS TRANSFORMER. LOCATE AS DIRECTED BY MECHANICAL CONTRACTOR.
- EXISTING RECEPTACLE. CONNECTED TO EXISTING CIRCUIT.
- UNDER COUNTER REFRIGERATOR.
- UNDER COUNTER FREEZER.
- SEE ARCHITECTURAL PLANS FOR LOCATION TO STUB CONDUITS FOR FUTURE DENTAL CHAIR.
- FURNISH JUNCTION BOX IN CEILING AND CONDUITS ABOVE CEILING AND IN WALL TO WALL MOUNTED RECESSED 2" X 4" BOX FOR CONTROLS. THE X-RAY MACHINE IS NOT GOING TO BE INSTALLED AT THIS TIME HOWEVER THE INTENT IS TO MAKE READY FOR FUTURE EQUIPMENT.

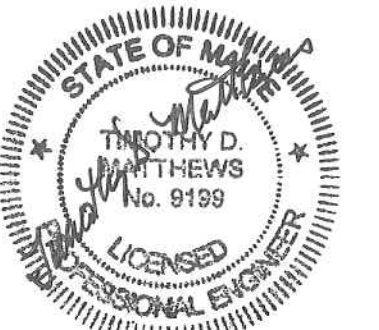


1 CLINIC POWER AND SYSTEMS LAYOUT
SCALE: 1/4" = 1'-0"



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Architecture / Planning
Preservation Architecture
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4/24/13

Portland High School Health Clinic

284 Cumberland Ave.
Portland, Maine

BID SET
April 24, 2013

Electrical Power & Systems Layout

1/4" = 1'-0"