G1 CLOCKS AND SPEAKERS (P.A.)

NO SCALE

- C — CLOCK
- LC — LARGE CLOCK
- S — SPEAKER ~ CEILING MOUNTED
- S — SPEAKER ~ WALL MOUNTED
- CS — SPEAKER ~ HIGH OUTPUT ~ CEILING MOUNTED
- LS — LARGE SPEAKER
- IC — INTERCOM

NOTE:

DIVISION 26 SHALL WIRE AND CONNECT 120 VOLT WIRING FOR THE CLOCKS IN EACH AREA TO CIRCUIT INDICATED. PROVIDE (2)#12+(1)#12G. PROVIDE TRANSFORMERS AS REQUIRED. LOW VOLTAGE AND SYSTEM WIRING BY DIVISION 27.

G2 FLOOR AND CEILING DEVICES

NO SCALE

- F — DUPLEX 20A, 125V, 2P, 3W, NEMA 5-20R RECEPTACLE ~ MOUNTED IN FLUSH FLOOR BOX
- F — DOUBLE DUPLEX 20A, 125V, 2P, 3W, NEMA 5-20R RECEPTACLE ~ MOUNTED IN FLUSH FLOOR BOX
- AC — DUPLEX 20A, 125V, 2P, 3W, NEMA 5-20R RECEPTACLE ~ FLUSH MOUNTED IN CEILING
- AC — DOUBLE DUPLEX RECEPTACLE ~ FLUSH MOUNTED IN CEILING
- F [A] — FLUSH FLOOR BOX, TYPICAL, SEE TECHNOLOGY MATRIX SEE D8/E000.
- AC — PROJECTOR OUTLET ~ FLUSH MOUNTED IN CEILING, SEE TECHNOLOGY MATRIX SEE G8/E000.
- F [MIC] — MICROPHONE JACK IN FLUSH FLOOR BOX ~ PROVIDE 1" CONDUIT TO SOUND SYSTEM RACK IN STORAGE/IT021.

F1 MISCELLANEOUS

NO SCALE

1. PROVIDE BOXES, RACKS, ETC. WHERE INDICATED OR NEEDED
2. BOXES AND CONDUIT WITH PULL STRING TO 6" ABOVE NEAREST ACCESSIBLE CEILING (UNLESS NOTED OTHERWISE) SHALL BE BY DIVISION 26.
3. IN AREAS WITHOUT CEILINGS, CONDUIT PROVIDED TO NEAREST ACCESSIBLE CORRIDOR CEILING.
4. PROVIDE BLANK INSERTS FOR ALL OUTLET OPENINGS IN PLATES THAT ARE UNUSED

F2 TELEPHONES

NO SCALE

- LSE — LOCAL SOUND EQUIPMENT
- MIC — MICROPHONE JACK OUTLET ~ PROVIDE 1" CONDUIT TO SOUND SYSTEM RACK LOCATION IN STORAGE/IT021
- LS — LOCAL SOUND SYSTEM LARGE SPEAKER
- SP — LOCAL SOUND SYSTEM SPEAKER ~ PROVIDE 3/4" CONDUIT TO SOUND SYSTEM RACK LOCATION IN STORAGE/IT021. VERIFY SPEAKER LOCATIONS WITH OWNER'S SOUND SYSTEM VENDOR.

E1 TECHNOLOGY GENERAL NOTES

NO SCALE

- FACP — FIRE ALARM CONTROL PANEL, MOUNT WITH TOP OF PANEL NOT MORE THAN 72"AFF
- FAA — FIRE ALARM ANNUNCIATOR, MOUNT WITH TOP OF PANEL NOT MORE THAN 72"AFF
- SMOKE DETECTOR
- HEAT DETECTOR
- DUCT SMOKE DETECTOR
- RTS — REMOTE TEST/INDICATOR FOR DUCT SMOKES, MOUNT ON CEILING BENEATH UNIT, OR WALL MOUNT WHERE INDICATED ON PLANS
- F — MANUAL PULL STATION, MOUNT 48"AFF
- 30 F — AUDIO/VISUAL INDICATING APPLIANCE, CANDELA AS NOTED ON PLANS, MOUNT 80"AFF TO BOTTOM OR 6" BELOW CEILING WHICHEVER IS LOWER
- 30 F — VISUAL INDICATING APPLIANCE, CANDELA AS NOTED ON PLANS, MOUNT 80"AFF TO BOTTOM OR 6" BELOW CEILING WHICHEVER IS LOWER
- SPRINKLER SYSTEM WATER FLOW SWITCH ~ PROVIDED UNDER DIVISION 21 ~ WIRED UNDER DIVISION 26
- SPRINKLER SYSTEM TAMPER SWITCH ~ PROVIDED UNDER DIVISION 21 ~ WIRED UNDER DIVISION 26
- SPRINKLER SYSTEM ALARM CHECK VALVE PRESSURE SWITCH ~ PROVIDED UNDER DIVISION 21 ~ WIRED UNDER DIVISION 26
- SPRINKLER SYSTEM EXCESS PRESSURE PUMP ~ PROVIDED UNDER DIVISION 21 ~ WIRED UNDER DIVISION 26
- FS — FIRE SHUTTER ~ PROVIDED UNDER DIVISION 08 ~ WIRED UNDER DIVISION 26

E2 LOCAL SOUND SYSTEM

NO SCALE

RACEWAYS AND BOXES BY DIVISION 26, SYSTEM BY OWNER

- PANELBOARD ~ SURFACE MOUNTED
- PANELBOARD ~ FLUSH MOUNTED
- FUSED DISCONNECT SWITCH
- NON-FUSED DISCONNECT SWITCH
- 00 — MOTOR STARTER ~ NUMBER INDICATES NEMA SIZE
- 00 — COMBINATION MOTOR STARTER/FUSED DISCONNECT
- # — MOTOR ~ NUMBER INDICATES HORSEPOWER
- M — METER AND CABINET
- J — JUNCTION BOX ~ CEILING MOUNTED
- J — JUNCTION BOX ~ FLOOR MOUNTED
- T — TRANSFORMER
- VFD — VARIABLE FREQUENCY DRIVE
- TVSS — TRANSIENT VOLTAGE SURGE SUPPRESSOR
- E — EMERGENCY SHUTOFF SWITCH ~ WALL MOUNTED 48" TO CENTERLINE ~ PROVIDE TAMPER-PROOF COVER
- SPECIAL PURPOSE CONNECTION
- WH — INSTANTANEOUS WATER HEATER
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- WIRING UNDERGROUND OR UNDERSLAB
- HOMERUN ~ (2)#12+(1)#12G UNO (EXCEPT COMPUTER AND LIGHTING CIRCUITS: (1)#12+(1)#10N+(1)#12G UNO)
- SINGLE-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT
- 3-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT
- L~20A,1P — INDICATES 20A,1P LOCKING CIRCUIT BREAKER
- FLEXIBLE CONNECTION
- GROUNDING SYSTEM
- LV — LOW VOLTAGE WIRING

B1 FIRE ALARM SYSTEM

NO SCALE

B2 POWER DISTRIBUTION

NO SCALE

- DUPLEX RECEPTACLE ~ 20A, 125V
- GFCI TYPE DUPLEX RECEPTACLE ~ MOUNT 44"AFF UNO
- WP — GFCI RECEPTACLE WITH WEATHERPROOF COVER
- WP — GFCI RECEPTACLE IN WP ENCLOSURE ON ROOF
- DOUBLE DUPLEX RECEPTACLE
- TAMPER RESISTANT DUPLEX RECEPTACLE, TYPICAL
- GFCI DOUBLE DUPLEX RECEPTACLE ~ MOUNT 44"AFF UNO
- GFCI TYPE DUPLEX TAMPER RECEPTACLE ~ MOUNT 44" AFF UNO
- DOUBLE DUPLEX TAMPER RESISTANT RECEPTACLE.

NOTES:

1. MOUNT RECEPTACLES WITH CENTERLINE 18"AFF UNO
2. MOUNT EXTERIOR RECEPTACLES WITH CENTERLINE 24"AFG UNO

G4 RECEPTACLES

NO SCALE

1. BRANCH CIRCUIT WIRING NOT SHOWN. WIRE AND CONNECT ELECTRICAL ITEMS TO CIRCUITS INDICATED.
2. DISCONNECT, REMOVE, RELOCATE, AND RECONNECT ELECTRICAL CONDUIT, WIRING, DEVICES, BOXES, FIXTURES, EQUIPMENT, ETC. AS INDICATED AND AS REQUIRED TO FACILITATE WORK OF DIVISION 26 AND OTHER DIVISIONS. WHERE ELECTRICAL ITEMS ARE REMOVED, REMOVE CONDUIT AND WIRING BACK TO SOURCE.
3. DO NOT SCALE THE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS.
4. THE LOCATION OF EQUIPMENT, OUTLETS, ETC. AS GIVEN ON THE DRAWINGS, IS APPROXIMATE. IT SHALL BE UNDERSTOOD THAT THESE LOCATIONS ARE SUBJECT TO MODIFICATION AS MAY BE FOUND NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION IN ORDER TO MEET PROJECT REQUIREMENTS. SUCH CHANGES SHALL BE MADE WITHOUT EXTRA CHARGE.
5. ELECTRICAL DEVICES, WHEN INSTALLED, SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. COVER PLATES SHALL BE INSTALLED AFTER FINISH MATERIALS HAVE BEEN APPLIED.
6. COORDINATE ALL WORK WITH OTHER DIVISIONS. VERIFY EXACT POWER REQUIREMENTS OF MECHANICAL EQUIPMENT WITH DIVISION 23. POWER WIRING FOR EQUIPMENT & CONTROL IS TO BE PERFORMED BY DIVISION 26. CONTROL WIRING BY DIVISION 23.

G5 ABBREVIATIONS

NO SCALE

AFF	ABOVE FINISHED FLOOR	(E)	EXISTING ITEM TO REMAIN
UNO	UNLESS NOTED OTHERWISE	(R)	REMOVE ITEM AND DISPOSE OF PROPERLY
WP	WEATHERPROOF	(ER)	RELOCATED ITEM AT NEW LOCATION
BRKRS	CIRCUIT BREAKERS	(RL)	REMOVE AND RELOCATE
P/O	PART OF		
WG	WIREGUARD		
CB	CIRCUIT BREAKER		
MT	MOUNT		
TBD	TO BE DETERMINED		

- $a — LIGHT SWITCH ~ 20A,125/277V LETTER INDICATES SWITCHING
- $3 — THREE-WAY LIGHT SWITCH
- $4 — FOUR-WAY LIGHT SWITCH
- $a,b,c — MULTI-GANGED SWITCHES ~ GANG UNDER ONE PLATE ~ LETTER INDICATES SWITCHING
- $LVa — LOW VOLTAGE MOMENTARY LIGHT SWITCH LETTER INDICATES SWITCHING
- OS — OCCUPANCY SENSOR SWITCH, CEILING MOUNTED.
- PC — PHOTOCELL, CEILING MOUNTED.
- $D — INCANDESCENT DIMMER SWITCH
- $FD — FLUORESCENT DIMMER SWITCH
- LTC — LIGHTING TIME CLOCK
- LC — LIGHTING CONTACTOR
- GE — LUTRON GRAFIK EYE; SERIES ON DRAWINGS.
- $CS — LUTRON GRAFIK EYE CONTROL STATION. SERIES ON DRAWINGS
- $M — MOTOR RATED SWITCH
- LCP — LIGHTING CONTROL PANEL

NOTE:

MOUNT LIGHT SWITCHES 48"AFF TO CENTERLINE UNLESS OTHERWISE NOTED

D4 GENERAL NOTES

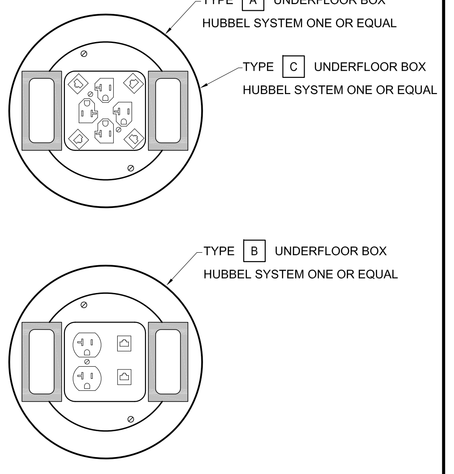
NO SCALE

D5 LIGHT SWITCHES

NO SCALE

G7 FLOOR BOX DETAIL

NO SCALE



- PENDANT LIGHT FIXTURE; SIZE ON LIGHT FIXTURE SCHEDULE.
- F1A — LIGHT FIXTURE ~ RECESSED TROFFER ~ TYPICAL; INDICATES LIGHT FIXTURE TYPE ON LUMINAIRE SCHEDULE; a ~ LOWER CASE LETTER INDICATES SWITCHING ~ TYPICAL; 2 ~ NUMBER INDICATES CIRCUITING ~ TYPICAL
- HATCHING INDICATES FIXTURE WITH ONE LAMP ON EMERGENCY BATTERY/BALLAST ~ TYPICAL OF ALL FIXTURE TYPES
- RECESSED DOWNLIGHT
- WALL MOUNTED LIGHT FIXTURE ~ TYPICAL; SIZE ON PLANS.
- CEILING SURFACE OR PENDANT LIGHT FIXTURE ~ TYPICAL
- BP9 — EMER BATTERY UNIT WITH INTEGRAL HEADS, MT 7'-6"AFF; BP# INDICATES BATTERY UNIT DESIGNATION; 2 ~ NUMBER INDICATES CIRCUITING
- EXIT SIGN, CEILING MOUNTED, SHADING INDICATES FACE(S); ARROWHEAD INDICATES CHEVRON(S) REQUIRED; 2 ~ NUMBER INDICATES CIRCUIT NUMBER
- EXIT SIGN, WALL MOUNTED, SHADING INDICATES FACE(S) MOUNT AT 7'-6"AFF OR OVER DOOR; 2 ~ NUMBER INDICATES CIRCUIT NUMBER
- RB — REMOTE BALLAST ~ ALLOW 9" IN ALL DIRECTIONS BETWEEN BALLASTS
- INDIRECT/DIRECT LIGHT FIXTURE ~ SIZE VARIES, REFER TO PLANS AND DRAWINGS FOR LENGHTS

G8 TECHNOLOGY MATRIX

NO SCALE

1 PROVIDE FITTINGS AS NEEDED FOR THE FLOOR BOXES. PROVIDE ALL NECESSARY HARDWARE TO INSTALL OUTLETS COMPLETELY AS SPECIFIED BY THE FLOOR BOX MANUFACTURER.

NOTE: RACEWAYS AND BOXES PROVIDED BY DIVISION 26. CABLE PATHS CABLING, OUTLETS AND TERMINATIONS BY DIVISION 27.

SYMBOL	MTG HT AFF UNO	DESCRIPTION	KEY NOTE	CONDUIT SIZE	BOX TYPE: SINGLE GANG DEVICE RING IN 4x4SQ.	BOX TYPE: DOUBLE GANG DEVICE	BOX TYPE: FLUSH UNDERFLOOR ~ BY DIVISION 16 SEE DETAIL D7/E-000	OUTLET TYPE: 8-WIRE, 8 POSITION CAT 6 VOICE OUTLET	OUTLET TYPE: S VIDEO	OUTLET TYPE: 8-WIRE, 8 POSITION CAT 6 DATA OUTLET	OUTLET TYPE: RJ-45 WITH SS WALL PHONE PLATE	OUTLET TYPE: F TYPE OUTLET	OUTLET TYPE: RCA BULKHEAD	OUTLET TYPE: BLANK	OUTLET TYPE: ,	CABLING: 1 PAIR SHIELDED 20 AWG	CABLING: CATEGORY 6 4-PAIR UTP	CABLING: RG-59 OHM COAX	CABLING: ,
▼	18"	DATA/TELEPHONE OUTLET		1"	X			1		3				2			4		
▽4	18"	DATA OUTLET		1"	X					4				2			4		
▽2	18"	DATA OUTLET		1"	X					2				4			2		
AC W	ABOVE CEILING	WIRELESS ACCESS OUTLET		1"	X					2				4			2		
W	96"	WIRELESS ACCESS OUTLET		3/4"	X					2				4			4		
P	45"	PROJECTOR INTERFACE OUTLET		(2) 1"		X			1	2		1	3	5		3	3	1	
F P	FLOOR	PROJECTOR INTERFACE OUTLET		(2) 1"		X			1	2		1	3	5		3	2	1	
AC	AC	PROJECTOR OUTLET		(2) 1"		X			1	1		1	3	3		3	2	1	
V	45"	VIDEO/CATV OUTLET		3/4"	X							1		5				1	
A	FLOOR	FLOOR BOX	1	(2) 1"			X			4				0			4		
B	FLOOR	FLOOR BOX	1	(2) 1"			X			2				0			1		
C	FLOOR	FLOOR BOX	1	(2) 1"			X			0				0			0		
▼ W	45"	WALL PHONE OUTLET		3/4"	X							1		0			2		

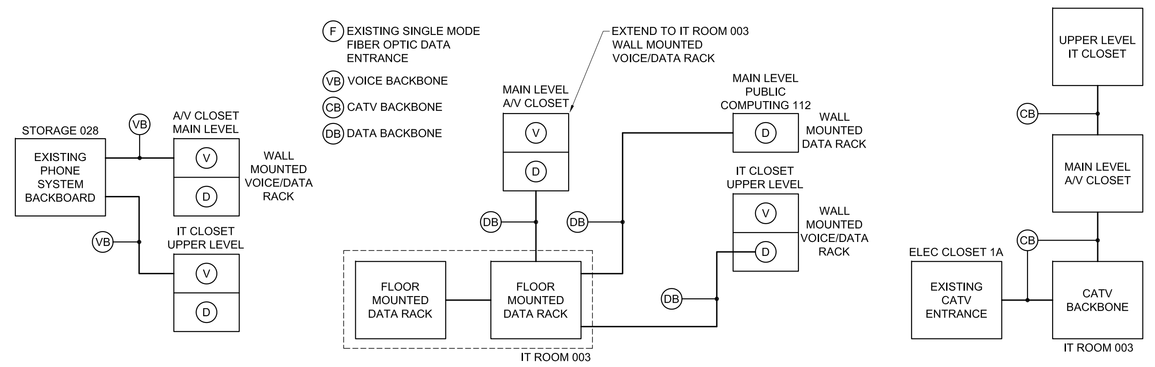
D8 PROJECTOR OUTLET DETAIL

NO SCALE

DETAIL SHOWS WIRING BETWEEN P & AC

B4 VOICE AND DATA ONE-LINE DIAGRAMS

NO SCALE



NOTE

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PROJECT

Portland Public Library Renovation

PORTLAND, ME

TITLE

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STATUS:

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