




SYMBOL LIST
MOUNTING HEIGHTS SHALL BE AS INDICATED
UNLESS SHOWN OTHERWISE ON ELECTRICAL
DRAWINGS OR ARCHITECTURAL ELEVATIONS

RACEWAYS AND WIRING

R2CB9A-1,3	HOMERUN TO PANELBOARD. "R2CB9A" INDICATES PANEL, "1,3" INDICATES CIRCUIT NUMBERS. (20A, 1P, UNLESS INDICATED OTHERWISE) NUMBER OF SLASH MARKS INDICATE NUMBER OF #12AWG CONDUCTORS IN MINIMUM 3/4"C. NO SLASH MARKS INDICATE 2#12 & 1#12G-3/4"C UNLESS INDICATED OTHERWISE. NOTES: 1. GREEN GROUND CONDUCTOR NOT INDICATED BUT SHALL BE INCLUDED IN EACH RACEWAY. SIZE SHALL BE #12AWG UNLESS INDICATED OTHERWISE. 2. HOMERUNS TO PANELBOARDS SHALL HAVE A MAXIMUM OF THREE (3) PHASE CONDUCTORS (ONE PER PHASE) PLUS NEUTRAL AND GROUND CONDUCTORS IN EACH CONDUIT.
	FEEDER TAG - REFER TO LEGEND OF FEEDER SIZES







LIGHTING FIXTURES

F1	2	FLUORESCENT LIGHTING FIXTURE CEILING OR RECESSED MOUNTED. "R1" INDICATES FIXTURE TYPE. "2" INDICATES CIRCUIT NUMBER. "c" INDICATORS SWITCH CONTROL, "•" INDICATES WIRED TO LIFE SAFETY EMERGENCY SYSTEM
		INCANDESCENT, COMPACT FLUORESCENT OR LED LIGHTING FIXTURE
		EXIT SIGN, ARROWS AS INDICATED ON PLAN













TOGGLE SWITCHES (MOUNTED 48" AFF)

Sa	SINGLE POLE TOGGLE SWITCH. "a" INDICATES FIXTURE CONTROL
S3	THREE WAY TOGGLE SWITCH
▽c	OCCUPANCY SENSOR WITH INTEGRAL SWITCH "c" INDICATES CEILING MOUNTED.

RECEPTACLES (MOUNTED 18" AFF UNLESS OTHERWISE INDICATED)

R2CB9A-2	DUPLEX RECEPTACLE, "NP-1-L-1" INDICATES PANEL, "2" INDICATES CIRCUIT NUMBER,
	DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER TOP
	DUPLEX RECEPTACLE WITH INTEGRAL GROUND FAULT INTERRUPTER
	DUPLEX RECEPTACLE WITH INTEGRAL GROUND FAULT INTERRUPTER MOUNTED 6" ABOVE COUNTER TOP
	DOUBLE DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER
	FIELD WIRED JUL LISTED MULTIOUTLET ASSEMBLY. WIREMOLD AL2000 WITH DUPLEX RECEPTACLES @ 18" O.C. - SURFACE MOUNTED, COLOR BY ARCHITECT. "1G" DENOTES PROVIDE AN ISOLATED GROUND OUTLET.
	RECESSED 6" POKE THRU DEVICE WITH FLUSH STYLE COVER FOR DATA AND POWER SHALL BE WIREMOLD EVOLUTION SERIES CAT.# 6ATCPX. (2) DUPLEX RECEPTACLES AND (4) DATA PORTS. COLOR BY ARCHITECT.

POWER DISTRIBUTION EQUIPMENT

	DISTRIBUTION PANEL
	PANELBOARD, SURFACE MOUNTED
	PANELBOARD, FLUSH MOUNTED
	JUNCTION BOX, SIZED PER NEC
	MOTOR, "2" INDICATES HORSEPOWER
	MAGNETIC MOTOR STARTER
	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD. "P" INDICATES PILOT LIGHT
	FUSED DISCONNECT SWITCH, SIZE OF SWITCH AND FUSE AS REQUIRED
	COMBINATION MAGNETIC STARTER AND FUSED DISCONNECT SWITCH. SIZE OF STARTER, SWITCH AND FUSE AS REQUIRED
	TRANSFORMER
	SURGE PROTECTIVE DEVICE
	30A-6 POLE MECHANICALLY HELD CONTACTOR

TELECOMMUNICATIONS (EMPTY CONDUIT AND BACKBOX, MOUNTING HEIGHT PER ARCHITECTURAL ELEVATION)

▼w	TELEPHONE OUTLET MOUNTED 48"AFF, BACK BOX AND 3/4"C. WITH GROUND BUSHING AND DRAGWIRE UP TO ACCESSIBLE CORRIDOR CEILING WITH-IN 6" OF A CABLE RING.
▼	COMBINATION TELEPHONE/DATA OUTLET, BACK BOX AND 3/4"C. WITH GROUND BUSHING AND DRAGWIRE UP TO ACCESSIBLE CORRIDOR CEILING WITH-IN 6" OF A CABLE RING. PROVIDE A (4) PORT DATA OUTLET UNLESS OTHERWISE DIRECTED BY MEEI (MOUNTED 18" A.F.F. UNLESS OTHERWISE INDICATED)


SOUND PAGING

	OVERHEAD PAGING SPEAKER
---	-------------------------

BRANCH CIRCUIT WIRING NOTES :

1. WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS
2. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS
3. ALL SWITCH CONTROLS SHALL BE PROVIDED WITH WIRING AND CONDUIT AS REQUIRED
4. ALTHOUGH ALL BRANCH CIRCUIT WIRING AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED
5. A GREEN GROUNDING CONDUCTOR SHALL BE RUN WITH ALL CIRCUITS. VERIFY CONDUIT SIZE TO ENSURE IT CAN ACCOMMODATE ALL PHASE, NEUTRAL AND GROUND CONDUCTORS.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP DATA			VOLTS	NOTES
				NUMBER	WATTS	TYPE		
A	COFFAIRE 2x2, 3-LAMP RECESSED FIXTURE	LIGHTOLIER	CFS2GPF2FTUNVPR	2	40	40WT5	277	UNIVERSAL PROGRAM START BALLAST
B	OPALESCEENT 2x2, 2-LAMP RECESSED FIXTURE	LIGHTOLIER	OPS2GPW2FTUNVPR	2	40	40WT5	277	UNIVERSAL PROGRAM START BALLAST
C	ENERGOS, 2-LAMP PENDANT FIXTURE	LIGHTOLIER	EG15GQP82AD/EG1EC36A (PROVIDE ONE END CAP PER 8" FIXTURE)	2	54	54WT5H0	277	SEE NOTE #1
D	UNDER CABINET TASK LIGHT	LIGHTOLIER	TSF-1-28-W-UNV-PG-BPR	1	28	28WT5	120	
E	UNDER CABINET TASK LIGHT	LIGHTOLIER	TSF-1-21-W-UNV-PG-BPR	1	21	21WT5	120	
	EDGE LIT LED EXIT SIGN, SINGLE OR DOUBLE FACE, UNIVERSAL MOUNTING WITH ARROWS AS SHOWN. REPLACE * 1 FOR SINGLE FACE AND 2 FOR DOUBLE.	LIGHTOLIER	LGA*RWV	-	-	LED	120/277	

GENERAL LIGHTING FIXTURE NOTES:

1. MOUNTING HEIGHTS OF ALL WALL MOUNTED AND PENDANT MOUNTED LIGHTING FIXTURES SHALL BE DETERMINED BY ARCHITECT. REFER TO ARCHITECTURAL SECTIONS AND ELEVATIONS.
2. ALL SINGLE AND 3 LAMP FIXTURES SHALL BE TANDEM WIRED TO AVOID SINGLE LAMP BALLASTS.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES
4. ALL FLUORESCENT FIXTURES UTILIZING T8 LAMPS SHALL CONTAIN ELECTRONIC BALLASTS. (SEE SPECIFICATIONS)
5. ALL COMPACT FLUORESCENT LAMP BALLAST SHALL BE HIGH POWER FACTOR TYPE.
6. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL CEILING TYPES AND/OR COORDINATE ALL FIXTURE TRIMS PRIOR TO PURCHASE OF FIXTURES.
7. ALL FLUORESCENT BALLASTS SHALL BE ELECTRONIC TYPE AND SUITABLE FOR LAMPS SERVED.
8. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING HARDWARE AND LAMPS.
9. AN ASTERISK (*) SHOWN IN CATALOG NUMBERS INDICATES PORTION OF CATALOG NUMBER TO BE DETERMINED BY FLOOR PLAN CONFIGURATION.
10. ELECTRICAL CONTRACTOR SHALL VERIFY THAT LAMP, BALLAST AND WALL SWITCH ARE ALL COMPATIBLE WITH EACH OTHER PRIOR TO INSTALLATION.
11. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY LENGTH PRIOR TO ORDERING FIXTURES.
12. THE ELECTRICAL CONTRACTOR SHALL INSTALL SEISMIC CLIPS ON ALL FLUORESCENT FIXTURES USING T8 AND BIAx TYPE LAMPS.
13. PROVIDE ALL NECESSARY CONNECTORS AS REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE EXACT COVE DIMENSIONS WITH THE ARCHITECT.

ABBREVIATIONS

A	AMPERES	KCMIL	ONE THOUSAND CIRCULAR MILS
AF	AMPERE FRAME (CIRCUIT BREAKER RATING)	KVA	KILOVOLT-AMPERES
AFF	ABOVE FINISHED FLOOR	KVAR	KILOVOLT-AMPERES REACTIVE
AFG	ABOVE FINISHED GRADE	KW	KILOWATTS
AIC	AMPERE INTERRUPTING CAPACITY	MCB	MAIN CIRCUIT BREAKER
AL	ALUMINUM	MCC	MOTOR CONTROL CENTER
ARCH	ARCHITECT	MIC	MICROWAVE
AT	AMPERE TRIP (CIRCUIT BREAKER RATING)	MISC	MISCELLANEOUS
ATS	AUTOMATIC TRANSFER SWITCH	MLO	MAIN LUGS ONLY
AWG	AMERICAN WIRE GAUGE	NC	NORMALLY CLOSED
BLDG	BUILDING	NEC	NATIONAL ELECTRICAL CODE
C	CONDUIT	NL	NIGHT LIGHT
C.B.	CIRCUIT BREAKER	NO	NORMALLY OPEN
C.T.	CURRENT TRANSFORMER	NTS	NOT TO SCALE
CAT	CATALOG	ø	PHASE
CIR	CIRCUIT	P	POLE
COF	COFFEE	P.T.	POTENTIAL TRANSFORMER
COL	COLUMN	PVC	POLYVINYL CHLORIDE
CU	COPPER	R	RECESSED
△	DELTA	REF	REFRIGERATOR
DWG	DRAWING	S	SURFACE
E	WIRED ON EMERGENCY CIRCUIT	SCR	SHORT CIRCUIT INTERRUPTING RATING
EC	EMPTY CONDUIT	SP	SPARE
EM	EMERGENCY	SW	SWITCH
ETR	EXISTING TO REMAIN	TEL	TELEPHONE
ETBR	EXISTING TO BE REMOVED	UCR	UNDER COUNTER REFRIGERATOR
ERL	EXISTING RELOCATED	UG	UNDERGROUND
ETRL	EXISTING TO BE RELOCATED	V	VOLT
F	FLUSH	Y	WYE
FBO	FURNISHED BY OTHERS	W	WATT
FT	FEET	WP	WEATHERPROOF
G	GROUND	XFMR	TRANSFORMER
ICE	ICE MACHINE		
IHW	INSTANT HOT WATER		

PROJECT NO:

jg Associates
ARCHITECTS PLANNERS INTERIOR DESIGN

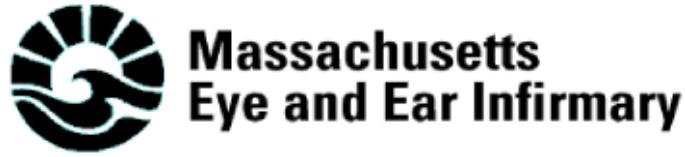
8 SUMMIT ROAD, LEXINGTON MA 02421
TEL: 781-861-7812 FAX: 781-353-6006

CONSULTANTS

PROJECT:

OTOLARYNGOLOGY LAB
FOURTH FLOOR-MEEI
243 CHARLES ST, BOSTON-MA

OWNER:



DRAWING TITLE

ELECTRICAL LEGEND

PROGRESS SET ONLY

NO DATE DESCRIPTION

REVISIONS

DRAWN : LMD

DATE : September 26, 2012

JOB NO :

SCALE : NONE

E0.01

DRAWING NO.
SHEET ___ OF TOTAL ___ SHEETS