



**LIGHTING FLOOR PLAN**

MARK SYMBOL	DESCRIPTION	DIFFUSER	WATTS	LAMPS	BALLAST MOUNTING	LOCATION	MANUFACTURER AND CATALOG NUMBER
F1	2' x 4' GRID	ACRYLIC	4-32	F3278/3500K LOW MERCURY	RECESSED	KITCHEN & DINING	SECURITY LIGHTING: R244BLW120 WITH WHP AND LAMPS
F2	2' x 4' GRID	PRISMATIC ACRYLIC	3-32	F3278/3500K LOW MERCURY	RECESSED	SUPPORT & DINING	SECURITY LIGHTING: R242BE120/4498W
F7	1' x 4' GRID	PRISMATIC ACRYLIC	2-32	F3278/3500K QUAD TUBE LOW MERCURY	RECESSED	SUPPORT & DINING	SECURITY LIGHTING # D422BE120/4498W
F12	COMPACT FLUORESCENT DOWN LIGHT	8" SPECULAR CLEAR	2-26W	8" SPECULAR QUAD TUBE LOW MERCURY	RECESSED	DINING	SECURITY LIGHTING # W822BE120/4480W
F12A	COMPACT FLUORESCENT DOWN LIGHT	8" SPECULAR CLEAR REFLECTOR	2-26W	8" SPECULAR QUAD TUBE LOW MERCURY	RECESSED	DINING	SECURITY LIGHTING # D422BE120/4470W WITH ACRYLIC LENS (FRONT COUNTER ONLY)
F20	EXIT SIGN WITH BATTERY BACKUP	8" SPECULAR CLEAR REFLECTOR	1.8	1.8 TUNGSTEN MERCURY	SURFACE	DINING	SECURITY LIGHTING: PRB. SEE NOTE L52 ON THIS SHEET.
F21	2 HEADED EMERGENCY BATTERY LIGHT	BOY-2 CARBONATE	2-3.5	1-5 TUNGSTEN	SURFACE TO CEILING	REST ROOM	SECURITY LG. #P86
F22	2 HEADED EMERGENCY BATTERY LIGHT	BOY-2 CARBONATE	3-5	1-5 TUNGSTEN & NEMA 3R	SURFACE TO WALL OR SOFFIT	NEAR ENTRANCE	SECURITY LIGHTING #P86-28-2861-AG86A/MP81 WHEN CONNECTED TO A REMOTE HEAD (FOR SINGLE SOFFIT)
F26	PORCELAM INCANDESCENT SOCKET PENDANT FIXTURE	GLASS & WIRE GUARD	UP TO 1-60W	A19	SURFACE	DINING	EXIT FIXTURE TYPE TO BE COORDINATED WITH DECOR FIRM & ARCH. H1A130WH/AK-1-MP (NONOPNIN)
MP1	ARCHITECTURAL SERIES GIBBAL RING		75W	PAR 30 FLOOD LAMP	HANGPOINT MOUNTING	DINING	

**ROOF LIGHTING FIXTURE SCHEDULE:**

MARK SYMBOL	DESCRIPTION	DIFFUSER	WATTS	LAMPS	BALLAST MOUNTING	LOCATION	MANUFACTURER AND CATALOG NUMBER
W1	WELL LIGHT	TEMPERED GLASS	1-70W	METAL HALIDE	ELECTRONIC	ROOF	SECURITY LIGHTING: R244BLW120 WITH WHP AND LAMPS
R1	ROOF LIGHT	TEMPERED GLASS	1-100W	METAL HALIDE	ELECTRONIC	ROOF	SECURITY LIGHTING: R242BE120/4498W
R2	ROOF LIGHT	TEMPERED GLASS	1-32W	F40T12/2500K LOW MERCURY	ELECTRONIC	ROOF	SECURITY LIGHTING: HI-RAF-F1HD-36-120-** (SPECIFY COLOR) CUSTOM BUILT FOR LEAD TIMES. SATIN ALUMINUM.
R3	ROOF LIGHT	TEMPERED GLASS	1-100W	METAL HALIDE	ELECTRONIC	ROOF	SECURITY LIGHTING: HI-RAF-F1HD-36-120-** (SPECIFY COLOR) CUSTOM BUILT FOR LEAD TIMES. SATIN ALUMINUM.

<p>RESTAURANT LOCATION: 1332 US ROUTE 302 PORTLAND, ME</p>	<p>SHEET TITLE: <b>LIGHTING PLAN</b></p>	<p>CONSULTANT: <b>EA</b> ENGINEERING ADVANTAGE, INC. 2 PARK ST. BOSTON, MASSACHUSETTS 02122 PHONE: (617) 288-3969 FAX: (617) 825-8922</p>	<p>REVISIONS</p> <table border="1"> <tr><th>NO.</th><th>DATE</th><th>BY</th></tr> <tr><td>1</td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td></tr> </table>	NO.	DATE	BY	1			2			3			4			5			6			7		
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<p>PREPARED FOR: <b>McDonald's USA, LLC</b> McDonald's PLAZA OAK BROOK, ILLINOIS 60521</p>	<p>McDonald's</p>		<p>DRAWN BY: CJC CHECKED BY: LAF DATE ISSUED: 08/14/07 SCALE: AS NOTED DATE DRAWN: 04/17/07 JOB NUMBER: M-1035</p>																								

**KEY NOTES**

- CENTER PENDANT LIGHTS OVER TABLES (TYPICAL). REPLACE WITH F12 FIXTURES IF PLAZA TYS ARE INSTALLED.
- SOFFIT LIGHTING, & SUPPLY GRILL TO BE COORDINATED WITH DECOR COMPANY.
- CEILING HEATER. SEE TABLE ON DRAWING E4.0 FOR CONDUIT AND WIRE SIZE (TYPICAL).

**EMERGENCY LIGHTING NOTES**

E1.1 EC SHALL COORDINATE ALL EXIT SIGNS, EMERGENCY LIGHTS AND CIRCUIT BREAKER HANDLE. EC SHALL VERIFY ALL REQUIREMENTS AND LOCATIONS WITH LOCAL AUTHORITIES. INCLUDE ALL COSTS IN BASE BID.

E1.2 IF NOT INSTALLED BY MANUFACTURER, EC SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF THE EMERGENCY INVERTER BALLAST IN NIGHT LIGHTING FIXTURES SHOWN ON THIS SHEET.

E1.3 ALL FIXTURES DENOTED AS NIGHT LIGHTING FIXTURES SHALL BE PROVIDED WITH A BATTERY INVERTER EMERGENCY TYPE (TYPICAL). ALL SIGNED LIGHTS SHALL BE PROVIDED WITH INTEGRAL DISCONNECT SWITCH.

E1.4 MCDONALD'S ARCH SIGN SEE NOTE E1.1 ON SHEET E3.1 (TYPICAL).

**MCDONALD'S ROAD SIGN:**

(1) 30 AMP 120V/208 VOLT, 1 PHASE CIRCUIT #8 WIRE FROM UP-1 TO CABINET. 120V/208 VOLT CIRCUIT FOR 30-200 ER HANDED CABINET.

(2) 60 AMP 120V/208 VOLT 1 PHASE CIRCUIT #6 WIRE (INCREASE WIRE SIZE AND CONDUIT SIZE AS RECOMMENDED BY SIGN MANUFACTURER TO SIGN SIZE AS SHOWN ON SHEET E3.1).

(3) 20 AMP 120V/208 VOLT CIRCUIT. EC TO WIRE 2#12 TO 208 VOLT FLAG FLOODLIGHTS 200 VOLT CIRCUIT. EC TO WIRE 2#12 TO 208 VOLT FLAG (1) 20 AMP 120 VOLT CIRCUIT TO D.C.O. IN ROAD SIGN BASE IF REQUIRED.

**KEY**

SHADE DENOTES FIXTURE TYPE  
UNSHADE DENOTES CIRCUIT NUMBER

LIGHTING FIXTURES SHOWN HALF SHADED SHALL BE WIRING TO THE NIGHT LIGHTING CIRCUIT AND BALLAST SEE NOTE E1.3 ON THIS SHEET.

COORDINATE LOCATION OF ALL LIGHT FIXTURES IN DINING AREA WITH FINAL SEATING AND DECOR PLANS

ARCH SIGN UP-1:13

SEE SHEET E3.1 FOR GENERAL LIGHTING NOTES AND M1.0 FOR LOCATION OF ROOF LIGHTING FIXTURES.

**LIGHTING SCHEDULE NOTES:**

L51. FLUORESCENT LIGHT FIXTURE PERFORMANCE SPECIFICATION. EC SHALL SELECT LIGHT FIXTURES FROM SECURITY LIGHTING #214828E120/4498W. THE LIGHTING REQUIREMENTS: A. PLASTIC LENSES SHALL BE PRISMATIC ACRYLIC A12 PATTERN UNLESS NOTED OTHERWISE. B. LAY-IN FIXTURES SHALL HAVE HINGED, CASSETE DROP DOWN DOOR FRAMES. C. PROVIDE FLANGE KITS FOR ALL INSTALLATION IN GYPSUM BOARD CEILING. VERIFY IN THE FIELD.

L52. ORDER LED EXIT SIGNS WITH LETTER COLORS THAT COMPLY WITH LOCAL CODES FROM SECURITY LIGHTING. FOR RED LETTERS USE #P8B (UNIVERSAL), OR IF THE ABOVE EXIT SIGNS DO NOT COMPLY WITH LOCAL CODES USE LED SIGN WITH BATTERY BACKUP. LETTER SIZE, COLOR, TYPE & DIRECTIONAL ARROWS AS REQUIRED BY THE LOCAL AUTHORITIES.

L53. ALL INTERIOR LIGHT FIXTURES SHALL BE 120 VOLT UNLESS NOTED OTHERWISE.

L54. LIGHTING FIXTURES AND LAMPS HAVE BEEN CHOSEN TO ACHIEVE MAXIMUM ENERGY EFFICIENCY. LEAD TIMES FOR ALL LAMPS AND BALLAST SPECIFICATIONS SHALL BE STRICTLY ADHERED TO. ANY DELAY FROM LAMP SPECIFICATIONS SHALL BE APPROVED IN WRITING BY MCDONALD'S CORPORATION.

ORDER INDOOR, OUTDOOR, EMERGENCY AND PLAY PLACE LIGHT FIXTURES FROM:  
MR. STEVE FRIEDMAN  
SECURITY LIGHTING SYSTEMS, INC. (A HUBBELL LIGHTING COMPANY)  
BUFFALO GROVE, ILL. 60089  
1-800-544-4648 FAX 847-279-0642