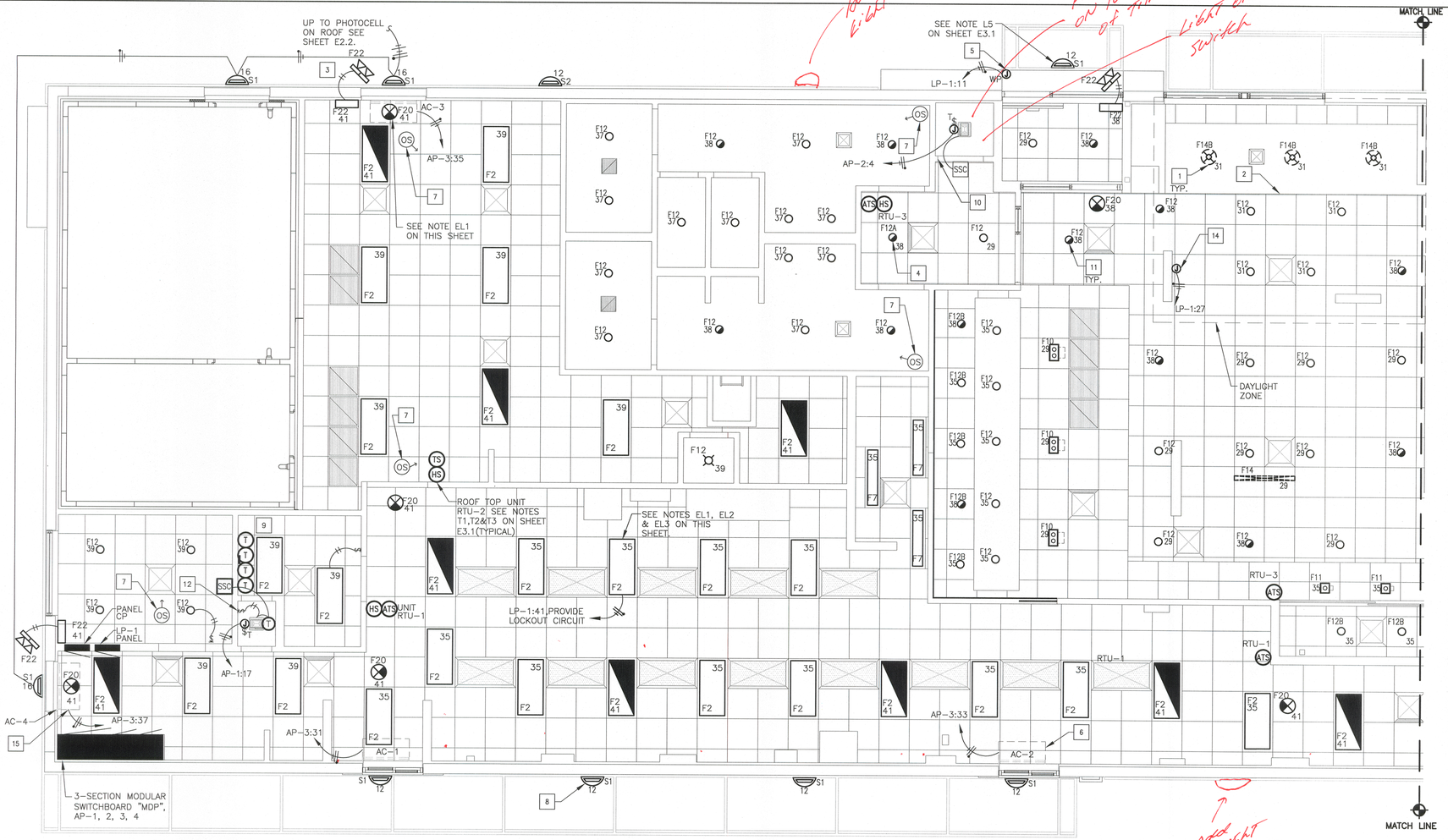

1 E2.0 PARTIAL LIGHTING FLOOR PLAN
1/4"=1'-0"

KEY
DENOTES FIXTURE TYPE
DENOTES CIRCUIT NUMBER
F2 41
LIGHTING FIXTURES SHOWN HALF SHADED SHALL BE WIRED TO THE NIGHT LIGHTING CIRCUIT AND PROVIDED WITH A BATTERY TYPE EMERGENCY BALLAST. SEE NOTE EL3 ON THIS SHEET. COORDINATE LOCATION WITH DECOR.

SEE SHEET E3.1 FOR GENERAL LIGHTING NOTES AND "ROOF PLAN" (SHEET E2.2) FOR ADDITIONAL ELECTRICAL ROUGH-IN & LIGHTING REQUIREMENTS.

KEY NOTES

1. CENTER PENDANT LIGHTS OVER TABLES (TYPICAL)
2. ALL SOFFIT LOCATIONS, LIGHTING, & SUPPLY GRILLS SHALL BE COORDINATED WITH DECOR COMPANY DRAWING PRIOR TO INSTALLATION.
3. EC SHALL INSTALL AND CONFIGURE REMOTE EMERGENCY LIGHTING AT ALL EGRESS EXTERIOR DOORS FOR MAXIMUM ILLUMINATION AT POINTS OF EGRESS. INSTALL WP J-BOX WITHIN SOFFIT TO ALLOW A FLUSH INSTALLATION OF ANY EXTERIOR EMERGENCY EGRESS LIGHTING (TYPICAL).
4. OPTIONAL ADJUSTABLE WALL WASH FIXTURE TO ILLUMINATE LOGO OR GRAPHICS. EC SHALL VERIFY EXACT LOCATION SO AS TO ADEQUATELY ILLUMINATE McDONALD'S ARCH LOGO SIGN AND GRAPHICS.
5. CANOPY LIGHT. LP-1:11 EC SHALL VERIFY EXACT SPECIFICATIONS AND LOCATION WITH CANOPY MANUFACTURER. VERIFY EXACT INFEED REQUIREMENTS IN THE FIELD. SEE NOTE L5 ON SHEET E3.1. (TYPICAL)
6. AIR CURTAIN UNIT. NON HEATED VERSION TO USE 1/2"C. 2#12, 1#12GRD. (TYPICAL)
7. PROVIDE CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR. REFER TO OCCUPANCY DETAIL ON SHEET E4.0. ORDER ALL OCCUPANCY SENSORS FROM; SECURITY LIGHTING SYSTEMS, INC.
8. RADIAL WALL SCONCE. SEE NOTE L2 ON SHEET E3.1 AND ARCHITECTURAL ELEVATIONS ON SHEETS A2.0 & A2.1. (TYPICAL)
9. ENERGY MANAGEMENT SYSTEM LOCATION. SEE LIGHTING CONTROL DETAILS ON SHEET E4.1.
10. PROVIDE DOOR OPERATED SWITCH FOR CONTROL OF CEILING MOUNTED LIGHT AND FAN, IN JANITOR CLOSET.
11. PROVIDE DUAL-LITE LIGHTING INVERTER MODEL #LG1-T FOR USE WITH TYPE F10, F11, F12, F12A & F12B FIXTURES SHOWN WITH "EW" TAG. E.C. SHALL FIELD VERIFY EXACT QUANTITY AND LOCATION OF DEVICE PRIOR TO INSTALLATION. E.C. SHALL VERIFY QUANTITY OF FIXTURES THAT CAN BE CONNECTED TO INVERTER WITHOUT EXCEEDING OPERATING CAPACITY OF UNIT AND PROVIDE ADDITIONAL CIRCUITS AND INVERTERS AS REQUIRED. (TYPICAL)
12. CENTER LIGHT SWITCH OPPOSITE COMPUTER RACK IN A LOCATION ACCESSIBLE FROM BOTH DOORS FOR CONTROL OF CEILING MOUNTED LIGHT, IN DATA ROOM. FAN CONTROLLED BY LOCAL THERMOSTAT.
13. NOT USED
14. PROVIDE POWER FOR LIGHT WITHIN TOY DISPLAY. COORDINATE EXACT LOCATION WITH DECOR DRAWINGS.
15. COORDINATE AIR CURTAIN MOUNTING HEIGHT WITH 3'-0" NEC REQUIRED CLEARANCE IN FRONT OF THE MDP. FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS FOR AIR CURTAIN INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHT.

EMERGENCY LIGHTING NOTES

EL1. EC SHALL INSTALL A LOCK ON CIRCUIT BREAKER HANDLE, FOR ALL EMERGENCY LIGHTING CIRCUITS. EC SHALL VERIFY ALL REQUIREMENTS AND FINAL EMERGENCY LIGHTING LOCATIONS WITH LOCAL AUTHORITIES. INCLUDE ALL COSTS IN BASE BID.

EL2. 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.

EL3. ALL FIXTURES DENOTED AS NIGHT LIGHTING FIXTURES SHALL BE PROVIDED WITH A BATTERY INVERTER EMERGENCY TYPE BALLAST. EMERGENCY BALLAST SHALL BE A TWO LAMP TYPE OF 600- 700 INITIAL LUMEN RATED (MINIMUM) TO ILLUMINATE FIXTURE IN THE EVENT OF A POWER FAILURE. BALLAST BATTERY SHALL MAINTAIN 87.5% OF THE NOMINAL BATTERY VOLTAGE AFTER 1.5 HOURS TO COMPLY WITH NEC SECTION 700 AND UL924. BALLAST SHALL BE AS MANUFACTURED BY BODINE, (MODEL B60 FOR T8 APPLICATIONS) SECURITY LIGHTING (MODEL UF0120 FOR COMPACT FLUORESCENT APPLICATIONS) OR AN APPROVED EQUAL TO MEET THE SPECIFICATIONS LISTED ABOVE. LED FIXTURES DENOTED AS NIGHT LIGHTING SHALL BE APPROVED WITH DUAL LITE LIGHTING INVERTER MODEL # LG1-T. INVERTER SHALL BE CAPABLE OF ILLUMINATING FIXTURE FOR 1.5 HOURS TO COMPLY WITH NEC SECTION 700 AND UL924. E.C. SHALL NOT INSTALL MORE THEN FOUR FIXTURES TO EACH INVERTER. PROVIDE ADDITIONAL INVERTERS AS NECESSARY.

EL4. EMERGENCY BATTERY LIGHTING WALL PACKS IN PLAYPLACE SHALL BE LOCATED SO AS TO PROVIDE FOR MAXIMUM ILLUMINATION OF AREA. EC SHALL VERIFY EXACT PLACEMENT IN THE FIELD WITH McDONALD'S ACM. (IF APPLICABLE)

EL5. EMERGENCY LIGHTING HAS BEEN DESIGNED PER NFPA 101 TO MAINTAIN 1 FC IN PATH OF EGRESS. IF FIELD CONDITIONS REQUIRE ANY CHANGES TO LIGHTING DESIGN, EMERGENCY LIGHTING, SHALL BE INSTALLED TO MEET THE ABOVE REQUIREMENTS.

McDONALD'S ROAD SIGN:

EC SHALL PROVIDE:

(1) 30 AMP 120/208 VOLT, 1 PHASE CIRCUIT #8 WIRE FROM LP-1 TO ALL SIGNS EXCEPT EXPANDED CABINET. FOR 90-200 EXPANDED CABINET OR:
(1) 60 AMP 120/208 VOLT 1 PHASE CIRCUIT #6 WIRE. (INCREASE WIRE SIZE AND CONDUIT SIZE AS RECOMMENDED BY SIGN MANUFACTURER TO SATISFY NOTE W2 ON SHEET E3.1).
FOR 90-200 SIGNAGE
(1) 20 AMP 208 VOLT CIRCUIT, EC TO WIRE 2#12 TO 208 VOLT FLAG FLOODLIGHTS.
(1) 20 AMP 120 VOLT CIRCUIT TO D.C.O. IN ROAD SIGN BASE IF REQUIRED.
(2) 20 AMP 120 VOLT CIRCUITS FOR INGRESS/EGRESS DIRECTIONAL SIGNS (IF APPLICABLE).

*VERIFY EXACT LOCATIONS/TYPES/QUANTITIES OF ALL THE ABOVE WITH SITE/CIVIL PLANS AND MCD ACM.

LIGHTING FIXTURE SCHEDULE:

MARK	SYMBOL	DESCRIPTION	DIFFUSER	LAMPS WATTS	LAMPS TYPE	BALLAST	MOUNTING	MANUFACTURER AND CATALOG NUMBER
F1		2' X 4' GRID FLUORESCENT	PRISMATIC ACRYLIC	(4)-32W	F32T8/3500K LOW MERCURY	ELECTRONIC	RECESSED	SECURITY LIGHTING: R244BLW120 WITH WHIP AND LAMPS
F2		2' X 4' GRID FLUORESCENT	PRISMATIC ACRYLIC	(3)-32W	F32T8/3500K LOW MERCURY	ELECTRONIC	RECESSED	SECURITY LIGHTING: R243BLW120 WITH WHIP AND LAMPS
F7		1' X 4' GRID FLUORESCENT	PRISMATIC ACRYLIC	(2)-32W	F32T8/3500K LOW MERCURY	ELECTRONIC	RECESSED	SECURITY LIGHTING # R142BLW120 WITH WHIP AND LAMPS
F10		LED DOWN LIGHT	–	(2)-12W	LED		RECESSED	SECURITY LIGHTING # MLLPAR72-TR2-B24-LRP38 (DOUBLE)
F11		LED DOWN LIGHT	–	(1)-12W	LED		RECESSED	SECURITY LIGHTING # MLLPAR71-TR1-B24-LRP38 (SINGLE)
F12		6" LED DOWN LIGHT	–	12.5W	LED	SOLID STATE	RECESSED	SECURITY LIGHTING #SLS-612W-GU24-SLS6C-1000
F12A		6" LED ADJUSTABLE DOWN LIGHT	–	12W	LED	SOLID STATE	RECESSED	SECURITY LIGHTING # SLS-612W-GU24-SLS6C-A500
F12B		6" LED DOWN LIGHT W/FLAT BLACK TRIM	–	12.5W	LED	SOLID STATE	RECESSED	SECURITY LIGHTING # SLS-612W-GU24-SLS6C-1000-LT6BB-DR
F14		STREAMLINE PENDANT FIXTURE	–	(1)-32W	T8	ELECTRONIC	PENDANT	SECURITY LIGHTING # M-4-DT8-CM48-OA-EU-ZT
F14A		COMPACT FLUORESCENT STITCH PENDANT FIXTURE	–	(2)-13W	CFL	–	PENDANT	SECURITY LIGHTING # SMCS-BSR-R-P-213CFL ORDER THESE NEW FIXTURES EARLY BECAUSE OF LONGER LEAD TIMES.
F14B		COMPACT FLUORESCENT MARKET PENDANT FIXTURE	–	(1)-42W	CFL	–	PENDANT	SECURITY LIGHTING #H-719612-991/CB8-991/SFL-FR/42W/CFL/BCM-M ORDER THESE NEW FIXTURES EARLY BECAUSE OF LONGER LEAD TIMES.
F20		EXIT SIGN WITH BATTERY BACKUP		1.8W	LED	– –	SURFACE	SECURITY LIGHTING: PRB. SEE NOTE LS2 ON THIS SHEET.
F21		2 HEADED EMERGENCY BATTERY LIGHT	POLY- CARBONATE	(2)-5W	T-5 TUNGSTEN	–	SURFACE TO WALL OR CEILING	SECURITY LTG. #PE6
F22		EMERG BATTERY & 2 REMOTE HEADS	SEALED GLASS	(2)-5W	T-5 TUNSTEN & NEMA 3R	–	SURFACE TO WALL OR SOFFIT	DUAL LITE #CVEC-15-0/OMS-D-B-0605 WHEN CONNECTED TO TWO REMOTE HEADS (FOR SINGLE GANG JUNCTION BOX)
F23		2 HEADED EMERG LIGHT & 2 REMOTE HEAD IF REQ'D	SEALED GLASS	(4)-5W	T-5 TUNSTEN & NEMA 3R	–	SURFACE TO WALL OR SOFFIT	DUAL LITE #LZ30/OMS-D-0605 WHEN CONNECTED TO TWO REMOTE HEADS (FOR SINGLE GANG JUNCTION BOX)
F26		COMPACT FLUORESCENT SURFACE MOUNT FIXTURE	–	(1)-23W	CFL	–	SURFACE	SECURITY LIGHTING #SLWGG-23-CFL-GU24
S1		"DOWN ONLY" RADIAL WALL SCONCE	TEMPERED GLASS	(1)-30W	LED	–	RECESSED	SECURITY LIGHTING: RWS-30LD-DL-SA
S2		"UP/DOWN" RADIAL WALL SCONCE	TEMPERED GLASS	(1)-43W	LED	–	RECESSED	SECURITY LIGHTING: RWS-30LD-UD-SA

LIGHTING SCHEDULE NOTES:

LS1. FLUORESCENT LIGHT FIXTURE PERFORMANCE SPECIFICATION: EC SHALL SELECT LIGHT FIXTURES FROM SECURITY LIGHTING THAT MEET OR EXCEED THE FOLLOWING REQUIREMENTS:
A. SHEET METAL SHALL BE MINIMUM 22 GAGE STEEL. WHITE ENAMEL PAINTED.
B. PLASTIC LENSES SHALL BE PRISMATIC ACRYLIC. A12 PATTERN, UNLESS NOTED OTHERWISE.
C. LAY-IN FIXTURES SHALL HAVE HINGED, GASKETED DROP DOWN DOOR FRAMES.
D. PROVIDE FLANGE KITS FOR INSTALLATION IN GYPSUM BOARD CEILING. VERIFY IN THE FIELD.

LS2. ORDER LED EXIT SIGNS WITH LETTER COLORS THAT COMPLY WITH LOCAL CODES.
– FOR RED LETTERS USE #PRB (UNIVERSAL),
– FOR GREEN LETTERS USE #PGB (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.

LS3. ALL INTERIOR LIGHT FIXTURES SHALL BE 120 VOLT UNLESS NOTED OTHERWISE.

LS4. LIGHTING FIXTURES AND LAMPS HAVE BEEN CHOSEN TO ACHIEVE MAXIMUM ENERGY CONSERVATION WHILE MAINTAINING ADEQUATE LEVEL OF ILLUMINATION. LAMP AND BALLAST SPECIFICATIONS SHALL BE STRICTLY FOLLOWED. ANY DEVIATION FROM LAMP SPECIFICATIONS SHALL BE APPROVED IN WRITING BY McDONALD'S CORPORATION.

LS5. ALL FIXTURES SHALL BE ORDERED WITH LOW WATTAGE ENERGY EFFICIENT BALLASTS FROM MANUFACTURER.

ORDER ALL LIGHT FIXTURES FROM:

SECURITY LIGHTING SYSTEMS, INC.
PHONE: (800) 544-4848 FAX: (847) 279-0642

REV	DATE	DESCRIPTION	BY

PREPARED BY:
CORE STATES GROUP
3401 Centerpoint Drive, Suite 300
Ontario, CA 91761
Phone (909) 481-8977
Fax (909) 481-8977

PREPARED FOR:
McDonald's USA, LLC

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DRAWN BY: DJ
STD ISSUE DATE: 2014_01
REVIEWED BY: SPM; PP
DATE ISSUED: 2/21/2014
C.S.G. PROJECT #: MCD-16680

TITLE: 2013 STANDARD BUILDING 45114-MASONRY/STEEL
DESCRIPTION: 8" MASONRY LOAD BEARING WALLS (QUIK-BRIK) STEEL TRUSS ROOF FRAMING CULTURED STONE ARCADE/ENTRY
SITE ID: 041-1135
SITE ADDRESS: WINCHESTER & MALCO WAY MEMPHIS, TN

SHEET NO.: 41-1135.00.A
E2.0
PARTIAL LIGHTING PLAN