LUMINAIRE SCHEDULE

QUANTITY	MARK	MANUFACTURER	CATALOG NUMBER	VOLTAGE	LOAD	MOUNTING	LAMP QUANTITY	LAMP DESCRIPTION	LAMP TYPE	SELECTED BY OTHERS?	REMARKS
38	A	PHILIPS DAY-BRITE	2EVG-48L-840-4-D-UNV-DIM	120	60 VA	CEILING, RECESSED	–	INTEGRAL LED	LED	YES	GENERAL LIGHTING
10	AE	PHILIPS DAY-BRITE	2EVG-48L-840-4-D-UNV-DIM-EMLED	120	60 VA	CEILING, RECESSED	–	INTEGRAL LED	LED	YES	WITH INTEGRAL EMERGENCY BATTERY PACK, 1100LM / GENERAL LIGHTING
2	R	RELOCATED STRIP LIGHT	RELOCATED STRIP LIGHT	120	32 VA	CEILING, SUSPENDED	–	INTEGRAL LED	LED	YES	RELOCATED STRIP LIGHT
1	B	JUNO LIGHTING	TC22LED-35K-MVOLT-Z110	120	31 VA	CEILING, RECESSED	–	INTEGRAL LED	LED	YES	VERIFY TRIM FINISH AND FLANGE
1	X1	EXITRONIX	VEX-U-BP-WB-WH	120	5 VA	CEILING, SURFACE	–	INTEGRAL LED	LED	YES	EXIT SIGN

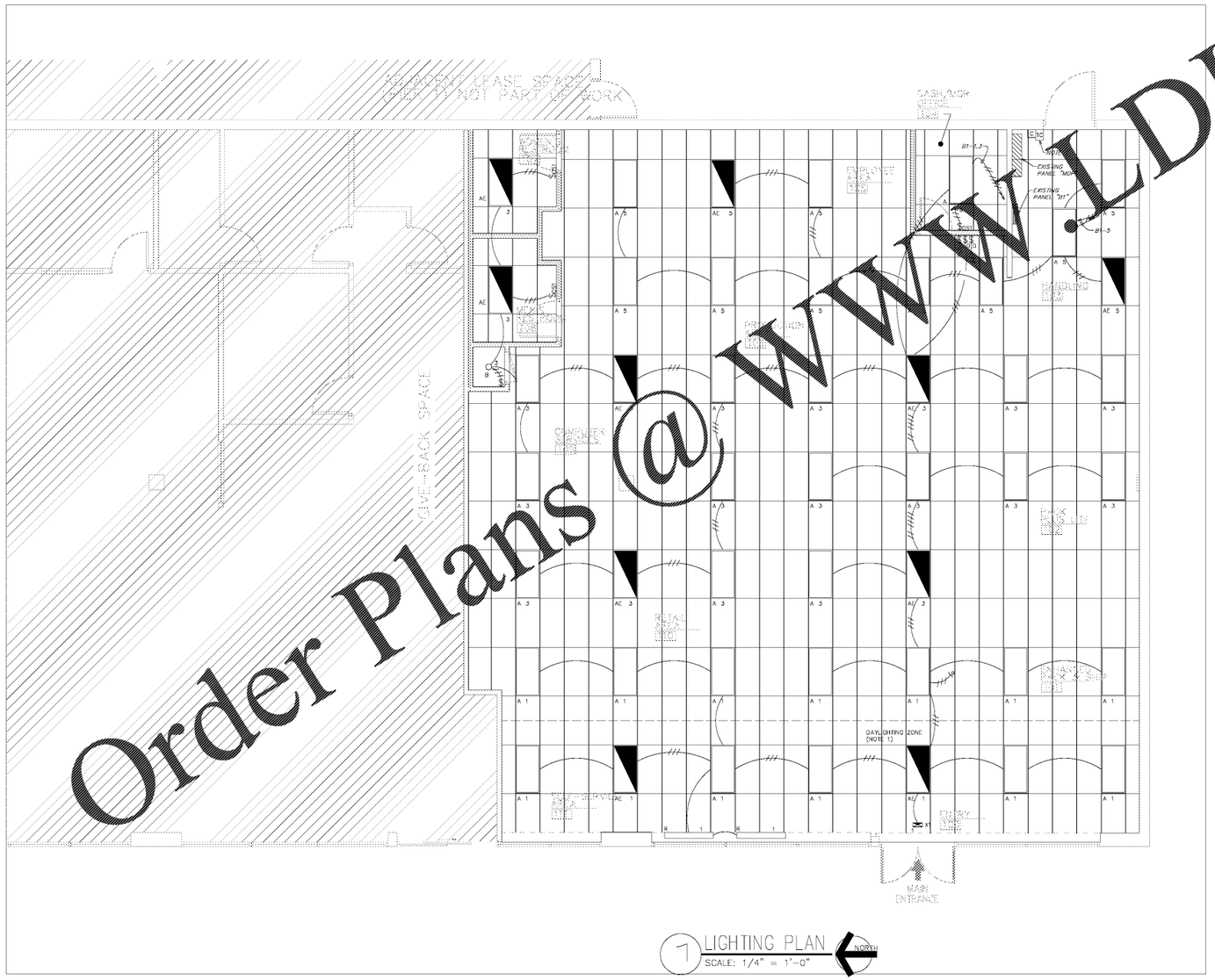
LAMP TYPE CODES: FL=LINEAR FLUORESCENT, CFL=COMPACT FLUORESCENT, INC=INCANDESCENT, MH=METAL HALIDE, HPS=HIGH PRESSURE SODIUM, LED=LIGHT EMITTING DIODE

LUMINAIRE SCHEDULE GENERAL NOTES:

A. LUMINAIRE SYMBOLS THAT ARE SHOWN HALF-SHADED, OR LABELED "EM", ON THE PLAN(S) INDICATE LUMINAIRES THAT SERVE AS EMERGENCY LIGHTING. UNLESS SERVED BY A CIRCUIT ORIGINATING AT AN EMERGENCY PANELBOARD OR CENTRAL LIGHTING INVERTER, EMERGENCY LIGHTING LUMINAIRES SHALL BE PROVIDED WITH AN EMERGENCY BATTERY TO PROVIDE EMERGENCY ILLUMINATION FOR A MINIMUM OF 90 MINUTES. SEE SPECIFICIATIONS FOR EMERGENCY BATTERY PERFORMANCE REQUIREMENTS.

B. ANY PROPOSED SUBSTITUTIONS FOR LUMINAIRES THAT ARE SELECTED BY OTHERS REQUIRE THE APPROVAL OF THE SPECIFYING ENTITY.

C. PROVIDE LIGHT EMITTING DIODES (LEDS) BINNED WITHIN A MAXIMUM THREE-STEP MACADAM ELLIPSE TO ENSURE COLOR CONSISTENCY AMONGST LUMINAIRES OF THE SAME TYPE AND LEDS THAT MEET UL STANDARD 8750 "LIGHT EMITTING DIODE EQUIPMENT FOR USE IN LIGHTING PRODUCTS," IES STANDARD LM-79 "ELECTRICAL AND PHOTOMETRIC MEASUREMENTS OF SOLID-STATE LIGHTING PRODUCTS," IES STANDARD LM-80 "MEASURING LUMEN MAINTENANCE OF LED LIGHT SOURCES," IES STANDARD TM-21 "PROJECTING LONG TERM LUMEN MAINTENANCE OF LED LIGHT SOURCES," AND ANSI C78.377 "SPECIFICATIONS FOR THE CHROMATICITY OF SOLID STATE LIGHTING PRODUCTS." LED LUMINAIRES SHALL BE MODULAR AND ALLOW FOR SEPARATE REPLACEMENT OF LED LAMPS AND DRIVERS. USER SERVICEABLE LED LAMPS AND DRIVERS SHALL BE REPLACEABLE FROM THE ROOM SIDE. LED DRIVERS SHALL BE ELECTRONIC-TYPE, LABELED AS COMPLIANT WITH RADIO FREQUENCY INTERFERENCE (RFI) REQUIREMENTS OF FCC TITLE 47 PART 15, AND COMPLY WITH NEMA SSL 1 "ELECTRONIC DRIVERS FOR LED DEVICES, ARRAYS, OR SYSTEMS." LED DRIVERS SHALL HAVE A SOUND RATING OF "A," HAVE A MINIMUM EFFICIENCY OF 85 PERCENT, AND SHALL HAVE A TOTAL HARMONIC DISTORTION (THD) OF LESS THAN 20 PERCENT AT ALL INPUT VOLTAGES.



1 LIGHTING PLAN
SCALE: 1/4" = 1'-0"

NORTH

LEGEND
- EXISTING
- NEW WORK
- NEW TO EXISTING CONNECTION

GENERAL ELECTRICAL EXISTING CONDITIONS NOTES:

A. ANY EXISTING CONDITIONS INDICATED IN THIS SET OF DRAWINGS ARE BASED ON INFORMATION PROVIDED BY OTHERS AND POSSIBLE LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

B. THE CONTRACTOR SHALL VISIT THE PROJECT SITE, REVIEW EXISTING CONDITIONS AGAINST THE CONTRACT DOCUMENTS, AND FAMILIARIZE HIMSELF WITH THE WORK PRIOR TO BIDDING AND START OF THE WORK. BY SIGNING THE CONTRACT, THE CONTRACTOR ACKNOWLEDGES THE SITE VISIT HAS BEEN COMPLETED AND THE EXISTING CONDITIONS ARE ACCEPTED.

C. THE CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING EQUIPMENT, DEVICES, AND LUMINAIRES AS INDICATED AND/OR AS REQUIRED TO ALLOW FOR INSTALLATION AND CONSTRUCTION OF THE NEW WORK. REMOVE ALL EQUIPMENT, DEVICES, LUMINAIRES, CONDUITS, SUPPORTS, HANGERS, ETC. THAT ARE NOT SHOWN AND ARE REQUIRED TO BE REMOVED IN ORDER TO COMPLETE THE NEW WORK.

D. PROVIDE TEMPORARY CIRCUITS AND CONNECTIONS TO EQUIPMENT, LUMINAIRES, OR DEVICES IN AREAS OF THE FACILITY THAT ARE TO REMAIN IN OPERATION AS REQUIRED TO MAINTAIN THOSE AREAS IN COMPLETE OPERATION.

E. MAINTAIN CONTINUITY OF EXISTING CIRCUITS AS REQUIRED TO PROVIDE POWER TO REMAINING EQUIPMENT, DEVICES, AND LUMINAIRES THAT ARE NOT BEING REMOVED.

F. LUMINAIRES MARKED "E" ARE EXISTING LUMINAIRES THAT ARE TO REMAIN IN PLACE. ALL EXISTING LUMINAIRES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REPAIRED TO A LIKE-NEW CONDITION, THOROUGHLY CLEANED, AND RELAMPED. ANY EXISTING LUMINAIRES THAT ARE DAMAGED BEYOND REPAIR SHALL BE REPLACED WITH AN IDENTICAL LUMINAIRE.

G. LUMINAIRES MARKED "R" ARE EXISTING LUMINAIRES THAT ARE TO BE OR HAVE BEEN RELOCATED. ALL LUMINAIRES DESIGNATED FOR RELOCATION SHALL BE DISCONNECTED FROM EXISTING BRANCH CIRCUIT, REMOVED FROM EXISTING AREA, STORED, REPAIRED TO A LIKE-NEW CONDITION, INSTALLED IN REMODELED AREA, RECONNECTED, THOROUGHLY CLEANED, AND RELAMPED. ANY RELOCATED LUMINAIRES THAT ARE DAMAGED BEYOND REPAIR SHALL BE REPLACED WITH AN IDENTICAL LUMINAIRE.

H. ANY EXISTING FIRE ALARM SYSTEM SHALL REMAIN IN OPERATION THROUGHOUT CONSTRUCTION. AUTOMATIC SMOKE DETECTORS IN THE AREA OF CONSTRUCTION SHALL BE DISCONNECTED AND TEMPORARILY REPLACED WITH HEAT DETECTORS WHEN THE SPACE IS STAFFED BY THE CONTRACTOR IN ACCORDANCE WITH APPROVED FIRE SAFETY PROCEDURES OF THE OWNER AND THE LOCAL FIRE MARSHAL, BUT SHALL BE REACTIVATED WHENEVER THE SPACE IS NOT OCCUPIED BY THE CONTRACTOR. AUTOMATIC SMOKE DETECTORS SHALL BE TESTED AND DUST AND DIRT ACCUMULATION BY REMOVING THE DETECTOR FROM ITS BASE DURING TIMES WHEN THE SYSTEM IS ALLOWED TO BE OUT OF SERVICE.

GENERAL ELECTRICAL NOTES:

A. ALL EQUIPMENT, DEVICES, AND WIRING SHALL BE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. EQUIPMENT MOUNTED OUTDOORS SHALL BE NEMA 3R. DEVICES MOUNTED IN DAMP OR WET LOCATIONS SHALL BE WEATHERPROOF. RECEPTACLES RATED 15 AMPS AND 120 VOLTS WHICH ARE LOCATED IN DAMP OR WET LOCATIONS SHALL BE GFCI PROTECTED AND EQUIPPED WITH A SUITABLE WEATHERPROOF COVERPLATE (WHILE-IN-USE IN WET LOCATIONS).

B. ALL WIRE TERMINALS, BUSSES, AND ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE RATED FOR A MINIMUM OF 75 DEGREE C CONDUCTORS. TERMINATIONS LISTED FOR 60 DEGREE C CONDUCTORS ARE NOT PERMITTED.

C. CIRCUITS SERVING EMERGENCY LIGHTING EQUIPMENT SUCH AS EMERGENCY LUMINAIRES SHALL PROVIDE A NEUTRAL (SHALL NOT BE PART OF A MULTIWIRE BRANCH CIRCUIT) FROM ANY OTHER CIRCUIT. PROVIDE A SEPARATE NEUTRAL FOR EACH CIRCUIT THAT SERVES EMERGENCY LIGHTING EQUIPMENT.

D. WHERE AUTOMATIC DAYLIGHT RESPONSIVE CONTROL FOR SIDELIGHTING IS NOT REQUIRED (SEE EXCEPTION 3 (RETAIL SPACE) TO SECTION 9.4.1.1(e) OF ASHRAE 90.1-2013.

E. TIMECLOCK: SEE SCHEDULE ON SHEET E-3.0.

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DRAWING NUMBER:
E-2.0

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