

# Α

 $\overline{\text{SCALE:}}$   $\ddot{\text{e}}$   $\ddot{\text{e}}$  = 1'-0'

# NOTES:

- 1. FOR GENERAL NOTES, ABBREVIATIONS AND SYMBOL LIST, SEE DWGS. E-100 & E-101.
- 2. FOR POWER RISER DIAGRAM AND PANEL SCHEDULES, SEE DWG. E-500 & E-600.
- 3. CIRCUIT NUMBERS ARE FOR GROUPING PURPOSES AND FOR REFERENCE ONLY, INDICATING NEW CIRCUITING TO PANEL 'FIRST FLOOR', UON.
- 4. 3/4" SHALL BE THE MINIMUM SIZE CONDUIT INSTALLED. #12 THHN SHALL BE THE MINIMUM WIRE SIZE AND SHALL BE USED FOR ALL BRANCH WIRING, UON.
- 5. ENTIRE INSTALLATION SHALL MEET REQUIREMENTS OF NATIONAL AND LOCAL ELECTRICAL CODES. ALL EQUIPMENT SHALL BEAR UL LABELS.
- 6. PROVIDE RACEMAY, WIRE AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED BRANCH CIRCUITS FROM DEVICE(S) TO FINAL OVERCURRENT DEVICE AND TO LOCAL CONTROL DEVICE(S) PER SPECIFICATIONS.
- 7. CONTRACTOR SHALL PROVIDE GREEN GROUND WIRE IN ALL BRANCH CIRCUITS SIZED PER
- 8. MAINTAIN MAXIMUM BRANCH CIRCUIT CONDUCTOR LENGTHS AS PER SPECIFICATIONS. INCLUDE GROUND CONDUCTOR DERATINGS.
- 9. ALL WIRING TO BE IN CONDUIT. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. EXPOSED CONDUIT SHALL BE IN STRAIGHT LINES PARALLEL WITH OR AT RIGHT ANGLES TO COLUMN LINES OR BEAMS.
- 10. FLEXIBLE CONDUIT IS TO BE USED FOR SHORT FINAL CONNECTIONS ONLY. NO FLEXIBLE CONDUIT PERMITTED IN DEMISING WALLS.
- 11. REFER TO ARCHITECT'S DRAWINGS FOR LIGHTING CONTROL ZONING AND LOAD SCHEDULES.
- 8. COORDINATE ALL SMITCHING REQUIREMENTS AND SMITCH LOCATIONS MITH ARCHITECT PRIOR TO INSTALLATION.
- 9. COORDINATE EXACT QUANTITY AND LOCATION OF LIGHTING CONTROL KEYPADS WITH ARCHITECT AND LIGHTING CONTROL SYSTEM VENDOR. PROVIDE KEYPADS TO ACCOMMODATE ALL SWITCHING AND DIMMING CONTROL CIRCUITS, AS REQUIRED.
- 10. ALL EXIT SIGNS SHALL BE WIRED FOR CONSTANT ILLUMINATION, AHEAD OF ANY SWITCH
- 14. EMERGENCY FIXTURES, SHOWN WITH 'EM' DESIGNATION, ARE TO INCLUDE EMERGENCY BATTERY BACKUP AND SHALL BE WIRED TO ILLUMINATE UPON LOSS OF NORMAL POWER, REGARDLESS OF POSITION OF ANY CONTROLLING SWITCH, INCLUDING RELAY CONTROLLED CONTACTOR.
- 15. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO WIRE ALL LED LIGHTS FROM LOW VOLTAGE TRANSFORMER.

#### REFERENCE NOTES:

- PROVIDE EDGE-LIT EXIT SIGN WITH MINIMUM 90-MINUTE BATTERY BACKUP. CIRCUIT EXIT SIGN AHEAD OF ANY CONTROL FOR CONSTANT ILLUMINATION.
- 2) PROVIDE EMERGENCY LIGHTING FIXTURE WITH MINIMUM 90-MINUTE BATTERY BACKUP. CIRCUIT EMERGENCY FIXTURE AHEAD OF ANY CONTROL FOR CONSTANT ILLUMINATION UPON LOSS OF POWER. FOR EMERGENCY LIGHTING WIRING, SEE DETAIL 1 ON DWG E-500.
- 3 PROVIDE MASTER OVERRIDE SMITCH. SMITCH SHALL OVERRIDE TIME SMITCH TO ENERGIZE TIME-CONTROLLED LIGHTING FOR A MAXIMUM OF 2 HOURS.
- PROVIDE 24 HOUR, 7 DAY, PROGRAMMABLE, 2-CHANNEL, PULSE PRODUCING TIME SMITCH WITH REMOTE OVERRIDE CAPABILITIES.

5 PROVIDE MECHANICALLY HELD, 8-POLE, NORMALLY OPEN, LIGHTING CONTACTOR.

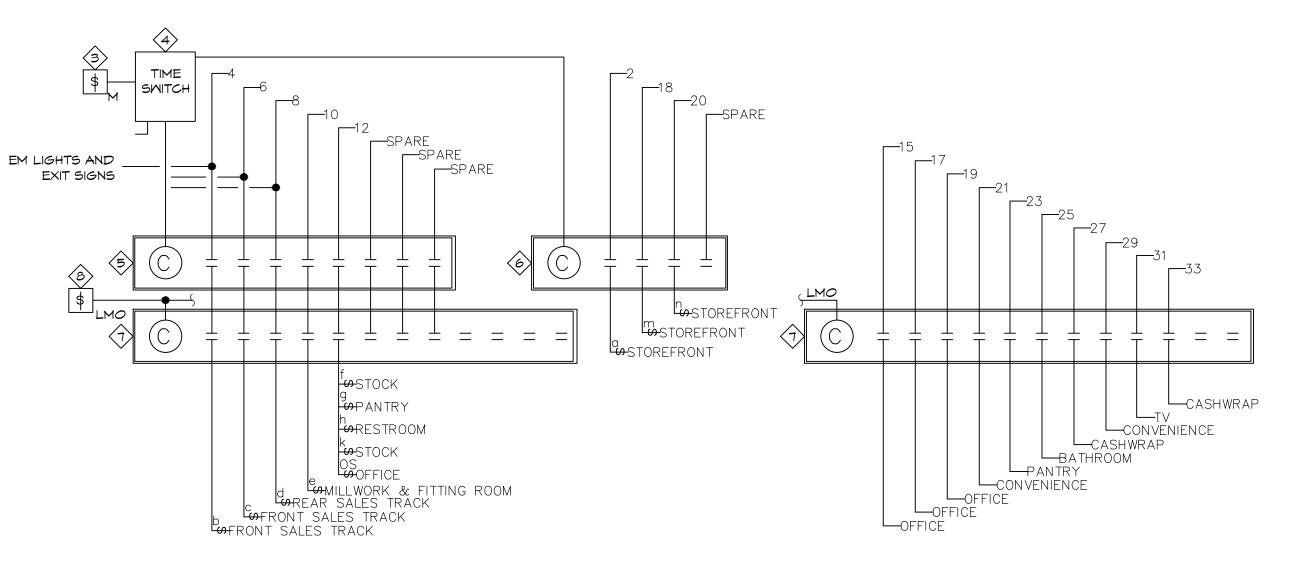
- CONTACTS SHALL BE RATED FOR 20A, 120V.
- PROVIDE MECHANICALLY HELD, 4-POLE, NORMALLY OPEN, LIGHTING CONTACTOR. CONTACTS SHALL BE RATED FOR 20A, 120V.
- 7 PROVIDE MECHANICALLY HELD, 12-POLE, NORMALLY OPEN, LIGHTING CONTACTOR. CONTACTS SHALL BE RATED FOR 20A, 120V.
- (8) PROVIDE LAST MAN OUT MOMENTARY SMITCH. SMITCH SHALL CONTROL LIGHTING AND

LOCATION AND AESTHETICS WITH ARCHITECT.

PROVIDE DUAL-TECHNOLOGY OCCUPANCY SENSOR FOR CONTROL OF LIGHTING IN THIS ROOM. WIRE SENSOR POWER SUPPLY FOR CONSTANT FEED, AHEAD OF ANY CONTROL.

RECEPTACLES SPECIFIED ON LIGHTING CONTROL DIAGRAM. COORDINATE SMITCH

10 PROVIDE CURRENT LIMITER PANEL WITH (1) 10A, (1) 9A, AND (1) 7A CURRENT LIMITERS FOR TRACK LIGHTING.



1. MECHANICALLY HELD CONTACTORS SHALL BE RATED FOR 120V. 2. LOCATE CONTACTORS AND TIME SWITCH ADJACENT TO EXISTING PANELS.

LIGHTING CONTROL DIAGRAM

> THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

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# FAT FACE PORTLAND

34 EXCHANGE STREET PORTLAND, ME 04104

## **ELECTRICAL BASEMENT** LIGHTING PLAN

Date Project No. Drawn By 15.102.00 Floor(s)

