

# ELECTRICAL FIRST FLOOR LIGHTING PLAN

SCALE: 8" = 1'-0"

## PLAN NOTES:

- FOR GENERAL NOTES, ABBREVIATIONS AND SYMBOL LIST, SEE DWGS. E-100 & E-101.
- FOR POWER RISER DIAGRAM AND PANEL SCHEDULES, SEE DWG. E-500 & E-600.
- CIRCUIT NUMBERS ARE FOR GROUPING PURPOSES AND FOR REFERENCE ONLY, INDICATING NEW CIRCUITING TO PANEL 'FIRST FLOOR', UON.
- 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.
- ENTIRE INSTALLATION SHALL MEET REQUIREMENTS OF NATIONAL AND LOCAL ELECTRICAL CODES. ALL EQUIPMENT SHALL BEAR UL LABELS.
- PROVIDE RACEWAY, 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.
- CONTRACTOR SHALL PROVIDE GREEN GROUND WIRE IN ALL BRANCH CIRCUITS SIZED PER NEC.
- MAINTAIN MAXIMUM BRANCH CIRCUIT CONDUCTOR LENGTHS AS PER SPECIFICATIONS. INCLUDE GROUND CONDUCTOR DERATINGS.
- 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.
- FLEXIBLE CONDUIT IS TO BE USED FOR SHORT FINAL CONNECTIONS ONLY. NO FLEXIBLE CONDUIT PERMITTED IN DEMISING WALLS.
- REFER TO ARCHITECT'S DRAWINGS FOR LIGHTING CONTROL ZONING AND LOAD SCHEDULES.
- COORDINATE ALL SWITCHING REQUIREMENTS AND SWITCH LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
- 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.
- ALL EXIT SIGNS SHALL BE WIRED FOR CONSTANT ILLUMINATION, AHEAD OF ANY SWITCH.
- EMERGENCY FIXTURES, SHOWN WITH 'EV' 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.
- 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.
- PROVIDE EMERGENCY LIGHTING FIXTURE 'BUG-EYE' TYPE WITH MINIMUM 90-MINUTE BATTERY BACKUP. CIRCUIT EMERGENCY FIXTURE AHEAD OF ANY CONTROL FOR CONSTANT ILLUMINATION UPON LOSS OF POWER.
- PROVIDE MASTER OVERRIDE SWITCH. SWITCH SHALL OVERRIDE TIME SWITCH TO ENERGIZE TIME-CONTROLLED LIGHTING FOR A MAXIMUM OF 2 HOURS.
- PROVIDE 24 HOUR, 1 DAY, PROGRAMMABLE, 2-CHANNEL, PULSE PRODUCING TIME SWITCH WITH REMOTE OVERRIDE CAPABILITIES.
- PROVIDE MECHANICALLY HELD, 8-POLE, NORMALLY OPEN, LIGHTING CONTACTOR. CONTACTS SHALL BE RATED FOR 20A, 277/120V.
- PROVIDE MECHANICALLY HELD, 4-POLE, NORMALLY OPEN, LIGHTING CONTACTOR. CONTACTS SHALL BE RATED FOR 20A, 277/120V.
- PROVIDE ELECTRONICALLY HELD, 12-POLE, NORMALLY OPEN, LIGHTING CONTACTOR. CONTACTS SHALL BE RATED FOR 20A, 120V.
- PROVIDE LAST MAN OUT SWITCH. SWITCH SHALL CONTROL LIGHTING AND RECEPTACLES SPECIFIED ON LIGHTING CONTROL DIAGRAM. COORDINATE LOCATION AND AESTHETICS WITH ARCHITECT.
- EACH SWITCH PLATE IS TO INCLUDE A PRINTED DESCRIPTION OF THE LIGHTING ZONE THAT IS CONTROLLED BY THE ASSOCIATED SWITCH.
- PROVIDE 10A CURRENT LIMITER FOR TRACK LIGHTING.
- PROVIDE 9A CURRENT LIMITER FOR TRACK LIGHTING.
- PROVIDE 7A CURRENT LIMITER FOR TRACK LIGHTING.
- PROVIDE CEILING-MOUNTED JUNCTION BOX AND LOCAL SWITCH FOR STORE SIGN.

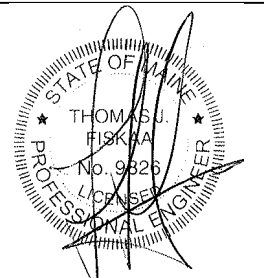
Issue	Date	Issue	Date
A. ISSUE FOR LL REVIEW & HISTORIC REVIEW	07/10/2015		
B. ISSUE FOR DEMO PERMIT	07/20/2015		
C. ISSUE FOR PERMIT	07/24/2015		

Project:  
FAT FACE PORTLAND  
34 EXCHANGE STREET  
PORTLAND, ME 04104

Drawing Title  
ELECTRICAL FIRST FLOOR  
LIGHTING PLAN

Project No.	Drawn By	Date	Scale
15.102.00	JM		---

Seal: JM (Floor(s))



Drawing No.