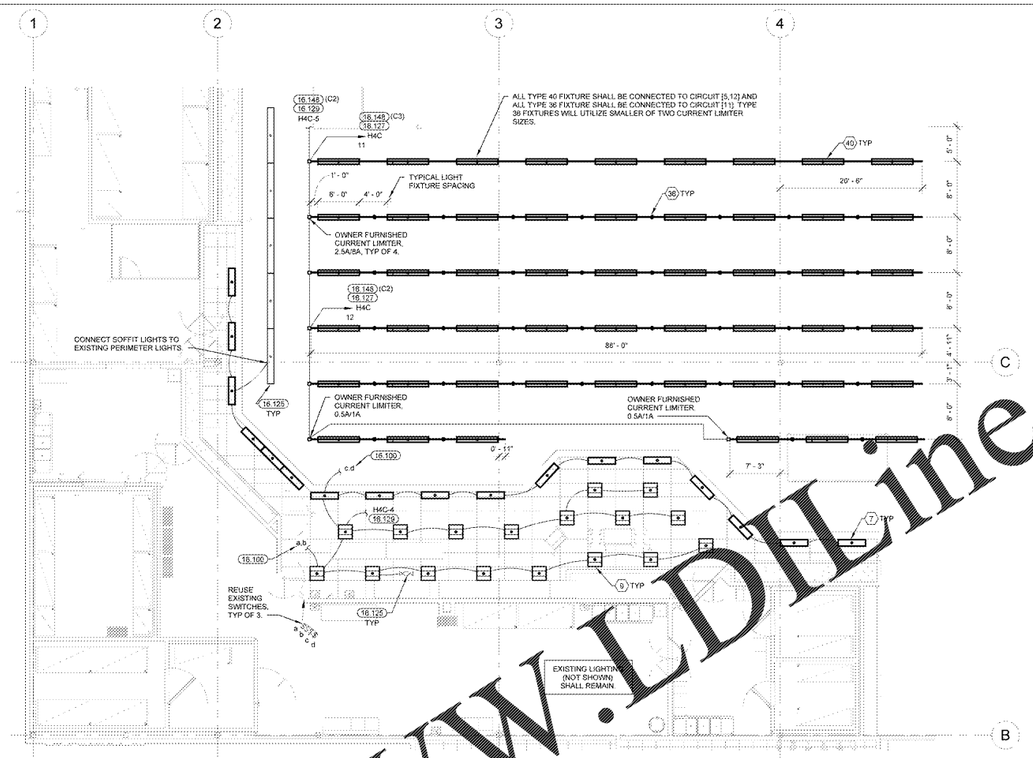
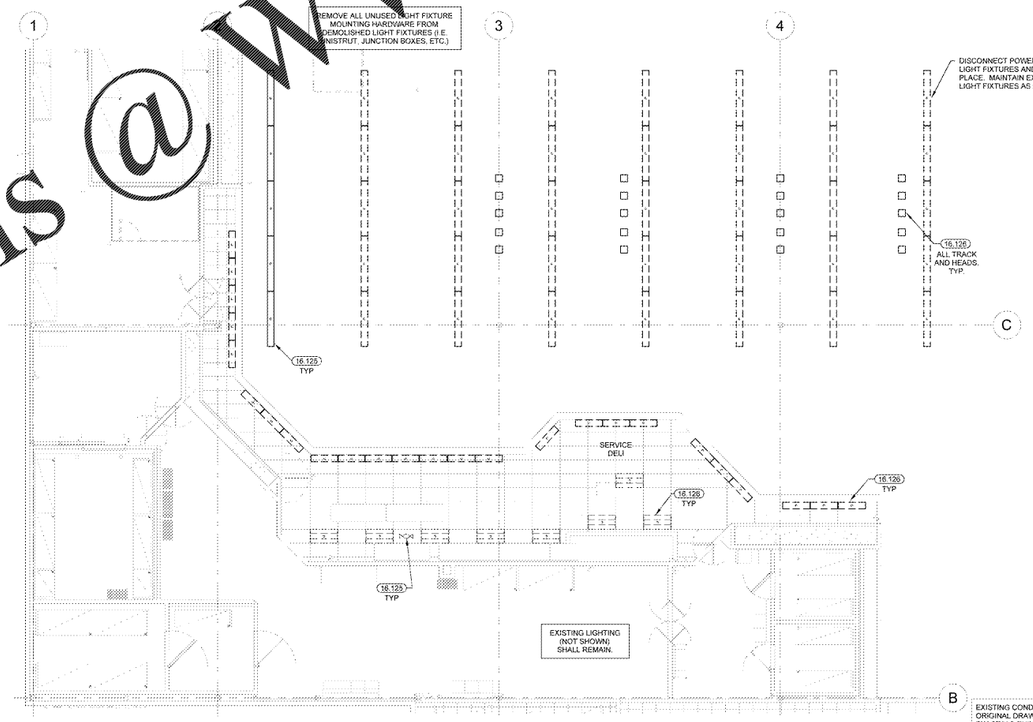



2 GROCERY LIGHTING PLAN
1/8" = 1'-0"




1 GROCERY LIGHTING DEMO PLAN
1/8" = 1'-0"

## PRODUCE LIGHTING GENERAL NOTES

1. TRACK LIGHTING INSTALLATION
   - A. ORIENT TRACK TO UTILIZE LEFT FEED CURRENT LIMITERS.
   - B. PROVIDE POWER TO EACH FIXTURE ROW VIA 1/2" FLEXIBLE METAL CONDUIT.
   - C. FIXTURES SHALL BE ATTACHED DIRECTLY TO TRACK UTILIZING PROVIDED CONNECTORS.
   - D. TRACK IS TWO-CIRCUIT. STRIP FIXTURES SHALL BE CONNECTED TO ONE CIRCUIT AND CYLINDER FIXTURES SHALL BE CONNECTED TO OTHER CIRCUIT. CYLINDERS AND STRIPS CANNOT BE ON THE SAME CIRCUIT.
   - E. REFERENCE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR INFORMATION ON ATTACHING FIXTURES TO TRACK.
2. TRACK LIGHTING MOUNTING HEIGHT CONSIDERATIONS
   - A. UTILIZE PROVIDED AIRCRAFT CABLE PERMANUFACTURER'S RECOMMENDATIONS TO SUSPENDTRACK FOLLOWING CORRECT ALTERNATE FROM THE LIST BELOW. IF THERE ARE ANY OBSTRUCTIONS PREVENTING UNIFORM MOUNTING HEIGHT (E.G. DUCTWORK), MOUNT TRACK USING INSTRUCTIONS AT MAXIMUM POSSIBLE HEIGHT WHERE ALL ROWS ARE AT UNIFORM HEIGHT.

   ALTERNATE 1 -
   IF PRODUCE AREA GIRDER IS PARALLEL TO TRACK AND PRODUCE AREA GIRDER IS PERPENDICULAR TO TRACK AND BOTTOM OF GIRDER IS ABOVE 16', SUSPEND TRACK TO A UNIFORM 16'-0" HEIGHT.

   ALTERNATE 2 -
   IF PRODUCE AREA GIRDER IS PERPENDICULAR TO TRACK AND BOTTOM OF GIRDER IS BELOW 16', TRACK SHALL RUN THROUGH GIRDER WEBBING AND BE SUSPENDED TO A UNIFORM 16'-0" HEIGHT. UNIFORMLY ADJUST ALL TRACK LOCATIONS TO ENSURE THE SPACE BETWEEN THE STRIP AND CYLINDER FIXTURE FALLS AT THE INTERSECTION OF THE GIRDER AND TRACK.
3. TRACK LIGHTING TESTING
   - A. UPON COMPLETION OF INSTALLATION CONTRACTOR SHALL TEST PRODUCE LIGHTS FOR PROPER OPERATION.
   - B. ENSURE CORRECT SIZE CURRENT LIMITERS ARE INSTALLED ON EACH TRACK ROW PER PLANS.
   - C. ENSURE CYLINDER FIXTURES ARE CONNECTED TO THE SMALLER OF TWO CURRENT LIMITER SIZES ON EACH ROW.
   - D. ENSURE ALL CYLINDERS ARE ON THE SAME CIRCUIT(S).
   - E. ENSURE ALL STRIP FIXTURES ARE ON THE SAME CIRCUIT(S).

## KEYNOTES

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|---|---|
| 16.100 | PROVIDE BI-LEVEL LIGHTING BY ALTERNATING SWITCH LEGS BETWEEN LIGHT FIXTURES. (CHECKERBOARD) |
| 16.125 | EXISTING LIGHT FIXTURES TO REMAIN UNLESS NOTED OTHERWISE |
| 16.126 | EXISTING LIGHT FIXTURE TO BE DEMOLISHED. |
| 16.127 | FURNISH AND INSTALL NEW 20 AMP, 277 VOLT CIRCUIT(S). FEED FROM PANELBOARD AS INDICATED. PROVIDE 20A-1P CIRCUIT BREAKER IF NEEDED. E.C. SHALL MATCH MANUFACTURER TYPE AND A/C RATINGS OF EXISTING CIRCUIT BREAKERS. |
| 16.129 | CONNECT TO EXISTING CIRCUIT PREVIOUSLY SERVING AREA LIGHTING THAT WAS REMOVED. MAINTAIN EXISTING CIRCUIT CONTROL UNLESS NOTED OTHERWISE. PROVIDE CONSTANT HOT FOR EMERGENCY EXIT AND LOCALLY CONTROLLED LIGHT FIXTURES. |
| 16.148 | ROUTE CIRCUIT THROUGH CONTACTOR. REFER TO POWER AND BAS ONE-LINE DIAGRAMS. |

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

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