

02 ROOF POLE LIGHT MOUNTING DETAIL N.T.S.

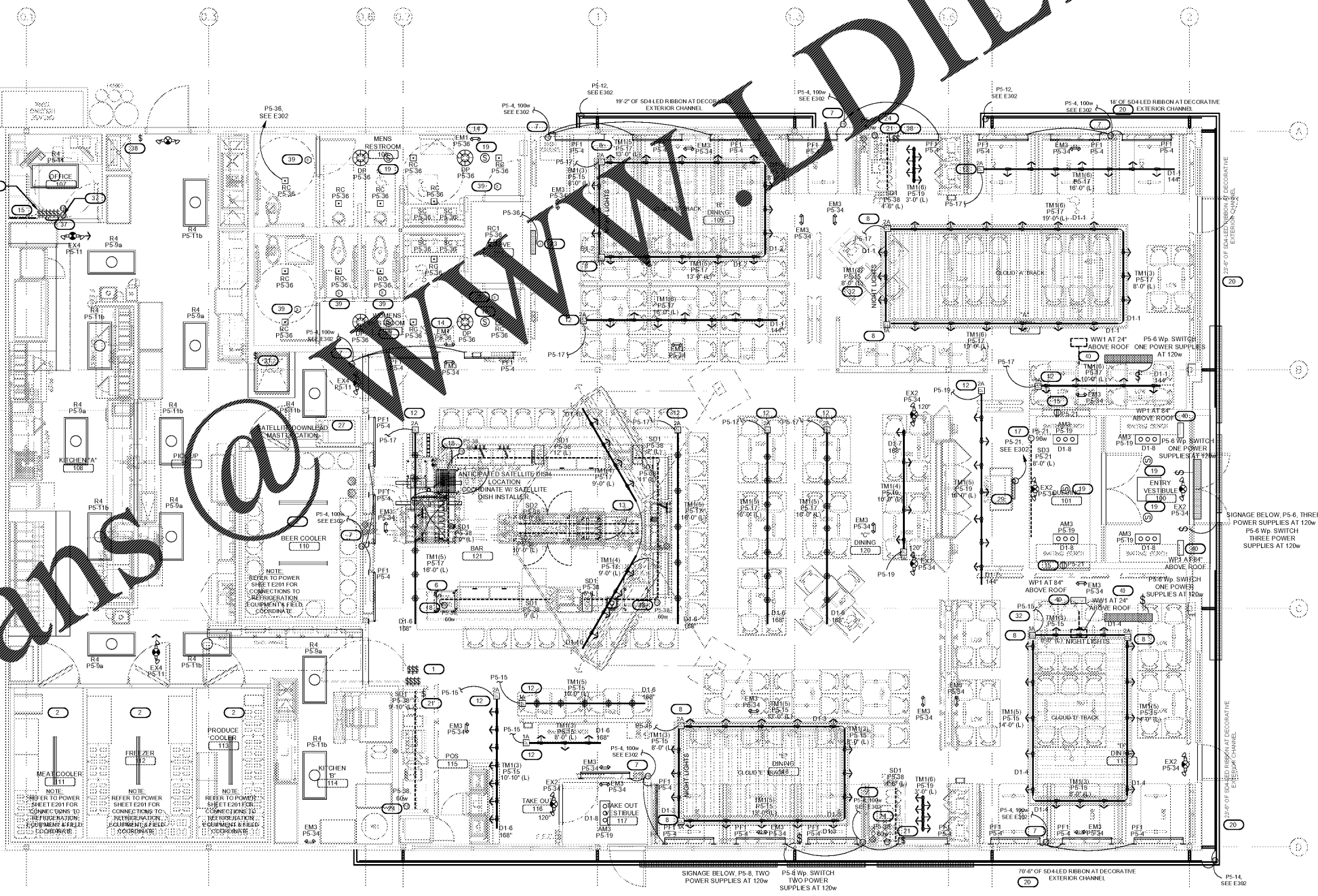
GENERAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS & FOR REPORTING ANY CONFLICTS TO THE ENGINEER OR PROJECT MANAGER PRIOR TO START OF WORK.
- SWITCHES & COVER PLATES IN RESTROOMS & WAINSCOT TO BE BLACK IN COLOR. SWITCHES IN KITCHEN SHALL BE WHITE IN COLOR OR W/ STAINLESS STEEL COVER PLATES.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR DIMENSIONED LOCATIONS OF LIGHT FIXTURES.
- REFER TO SHEETS E302 & E303 FOR LIGHTING CONTROL DIAGRAMS & DIMMING SYSTEM SCHEDULES & PANEL SCHEDULES.
- LIGHTING BRANCH CIRCUITS SHALL BE AS SCHEDULED.
- SEAL ALL PENETRATIONS IN EXTERIOR WALLS, ROOF & REFRIGERATION EQUIPMENT PER N.E.C. ARTICLE 300.7. ALL RACEWAYS IN REFRIGERATION EQUIPMENT SHALL BE LFMC & INSTALLED PER THE RECOMMENDATIONS OF THE REFRIGERATION EQUIPMENT MANUFACTURER.
- NIGHT LIGHTING, EMERGENCY LIGHTING, & EGRESS (EXIT) LIGHTING SHALL BE CONNECTED TO CIRCUIT P5-14 AS INDICATED ON THE GENERAL LIGHTING CIRCUIT IN THE AREA THAT THEY ARE SERVING. BATTERY PACKS SHALL PROVIDE A MINIMUM OF 90 MINUTES OF OPERATION UPON LOSS OF POWER FOR THEIR ASSOCIATED LOADS IN COMPLIANCE WITH UL 924.
- ALL BRANCH CIRCUITRY SHALL BE CONSIDERED 2P/2W PLUS 1P/2ND IN EMT OR IMC UNLESS NOTED OTHERWISE. METAL CLAD (N.E.C. TYPE MC) CABLE SHALL BE ACCEPTABLE WHERE EXPOSED & WHERE PERMITTED BY CODE. (ARMORED CABLE, N.E.C. TYPE ACB IS NOT ACCEPTABLE). USE OF MC CABLE SHALL BE LIMITED TO LIGHTING & EXPOSED RECEPTACLES. MC CABLE SHALL NOT EXCEED 10' IN LENGTH. ALL EMT CIRCUITRY SHALL HAVE DEDICATED NEUTRAL CONDUCTORS & FULLY SIZED INSULATED GROUNDING CONDUCTORS, INCLUDING MC CABLE. MULTIPLE CIRCUITS IN A COMMON RACEWAY SHALL SHARE A COMMON GROUND CONDUCTOR.
- REFER TO ARCHITECTURAL CEILING PLAN SHEET A-01 FOR DIMENSIONED LOCATION OF LIGHTING.

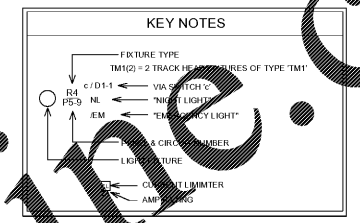
NOTE: REFER TO ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF EXTERIOR LIGHTING & SIGNAGE REQUIREMENTS. ROUTE ALL EXTERIOR LOADS THRU CONTRACTOR WITH TIME CLOCK AND PHOTOCELL CONTROL. COORDINATE ON OFF SCHEDULE WITH OWNER.

NOTE: CONDUITS SHALL NOT BE INSTALLED IN OR THROUGH DUCT WORK PER N.E.C. Article 300.22.

ALL ROOFING PENETRATIONS AND REPAIRS SHALL BE COORDINATED THRU THE O.C. AND ROOFING CONTRACTOR. ROOFING WORK SHALL BE PERFORMED BY THE ROOFING CONTRACTOR. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST RELATED TO ROOFING REPAIRS.



- KEY NOTES**
- DINING AREA WALL STATIONS AT 42" & 48" PROVIDE (8) 2 BUTTON WALL STATIONS MODEL NO. QSW52-2RDL-BL & (1) 5 BUTTON MODEL NO. QSW52-5B-RL. SEE SHEET E302 FOR LIGHTING CONTROL DIAGRAM.
 - CONTRACTOR TO INSTALL SWITCHES & REFRIGERATION LIGHTING. L.E.D. LIGHTING FURNISHED W/ REFRIGERATION EQUIPMENT. SEE GENERAL NOTES & SHEETS E201 & E202. FIELD COORDINATION IS REQUIRED.
 - NOT USED.
 - TO P5-20 VIA WALL SWITCH IN WAIT STATION. SEE KEY NOTE 28. ROUTE CIRCUITRY VIA LIGHTING CONTROLS. SEE SHEET E302.
 - HUBNER #122 SPL. OR EQUAL. LOAD ON PLOT LIGHT SWITCH AT 48" FOR RESTROOM LIGHTING & EXHAUST. SEE SHEETS E301 & E302. ELECTRICAL CONTR. TO LABEL "RESTROOM".
 - SINGLE POLE WALL SWITCH AT 30" FOR ASSOCIATED SD1 L.E.D. RIBBON LIGHTING MOUNTED UNDER BAR COUNTER TOP. MAKE ALL CONNECTION TO POWER SUPPLIES. SEE SHEETS E102 & E301 FOR ADDITIONAL INFORMATION. ELECTRICAL CONTR. TO LABEL "UNDERCOUNTER LIGHTS".
 - POWER SUPPLY FOR PF1 LIGHT FIXTURE W/ 2P/2 + 1P/2ND IN 1/2" TO INDICATED CIRCUIT VIA LIGHTING CONTROLS. SEE SHEET E302 TO ASSOCIATED PF1 FIXTURES AS INDICATED. MAXIMUM OF FOUR FIXTURES. SEE SHEET E102 FOR ADDITIONAL INFORMATION.
 - 10' CLOD TRACK LIGHTING W/ CURRENT LIMITER RATED AS INDICATED. ROUTE CIRCUIT VIA INDICATED DIMMER. SEE GENERAL NOTES & SHEETS E102 & E302.
 - ROUTE 2P/2 + 1P/2ND-1/2" EMT TO P5-32 VIA LIGHTING CONTROLS & SWITCH IN ELECTRICAL ROOM (CONNECTED IN SERIES). SEE SHEETS E101 & E302.
 - TRACK SECURED TO JUMBOTRON FRAMING. SEE SHEET E102. ONE CURRENT LIMITER FOR BOTH JUMBOTRON TRACKS AS INDICATED.
 - PADDLE FAN SEE LIGHT FIXTURE SCHEDULE & DETAILS ON SHEET E101. ROUTE 2P/2 + 1P/2ND IN 1/2" EMT TO PF12. FANS TO BE CONTROLLED BY WIRELESS CONTROLS IN WAIT STATION. SEE KEY NOTE 25. ROUTE CIRCUITRY VIA LIGHTING CONTROLS AS INDICATED ON SHEET E302.
 - PENDANT HUNG TRACK LIGHTING MOUNTED AT 12" O.C. A.F. UNLESS NOTED OTHERWISE W/ CURRENT LIMITER RATED AS INDICATED. PROVIDE PENDANT EVERY 4' ON CENTER & FIELD PAINTED BLACK. PENDANT STEMS MAY BE THREADED ROD W/ AT LEAST ONE BEING EMT FOR POWER FEED. ROUTE CIRCUIT VIA INDICATED DIMMER. SEE GENERAL NOTES & SHEET E302.
 - MC CABLE JUMPER BETWEEN JUMBOTRON TRACKS SECURED TO JUMBOTRON FRAMING. SEE SHEET E102. CONCEAL CIRCUITRY AS MUCH AS POSSIBLE & PAINT TO MATCH JUMBOTRON FRAMING.
 - EXIT & EMERGENCY LIGHTING SHALL BYPASS ALL SWITCHED CONTROLS.
 - PROVIDE (3) GRAFEX EYE QS WIRELESS 6 ZONE MODEL NO. QSGW6-RL-BL. SEE CONTROL DIAGRAM ON SHEET E302 FOR ADDITIONAL INFORMATION AND ALL PARTS REQUIRED.
 - CIRCUITRY TO RESTROOM EXHAUST FAN ON ROOF. SEE SHEETS MEP101 & E302.
 - NOT USED.
 - PROVIDE AND INSTALL LED STRIP SD3 AND RW. 120V/24V TRANSFORMER FOR SIGN ABOVE DOOR. ROUTE CIRCUITRY TO P5-21 VIA LIGHTING CONTROLS. SEE SHEET E302.
 - L.E.D. LIGHTING 120V/8V& POWER SUPPLY W/ RATINGS AS INDICATED. (1) POWER SUPPLY PER EVERY 27" LINEAL FEET. MOUNT ALL COMPONENTS ON UNDERSIDE OF BAR COUNTER TOP NEAR KNEE WALL. ROUTE 2P/2 + 1P/2ND IN EMT OR MC CABLE TO ASSOCIATED WALL SWITCH. SEE KEY NOTE 6 ON THIS SHEET. OBTAIN 120V SOURCE FROM P5-38. SEE SHEETS E102, E301, & E302.
 - SPEAKER PROVISIONS IN HARD CEILING. PROVIDE BACK BOX FOR BIDDING PURPOSES ASSUME AWB5000P FOR 4" COORDINATE ACTUAL BACK BOX W/ BIDDING SOUND SYSTEM SUPPLIER/INSTALLER. ROUTE 1/2" EMT W/ NPL ON PULL STRING TO ACCESSIBLE CEILING OR LOWER CHORD OF STRUCTURAL JOIST.
 - POWER SUPPLY FOR EXTERIOR L.E.D. LIGHTING STRIP (SD4). SEE SHEET E102 FOR ADDITIONAL INFORMATION & MOUNTING DETAIL. ROUTE CIRCUITRY VIA LIGHTING CONTROLS. SEE SHEET E302.
 - SINGLE POLE WALL SWITCH AT 47" FOR SD1 L.E.D. RIBBON LIGHTING. SEE SHEET E102 FOR ADDITIONAL INFORMATION ON POWER SUPPLY. TYPICAL FOR WAIT STATIONS. ROUTE CIRCUITRY VIA LIGHTING CONTROLS. SEE SHEET E302. ELECTRICAL CONTR. TO LABEL "UNDERCABINET LIGHTS".
 - PROVIDE JUNCTION BOX W/ L.E.D. RIBBON SPLICE TO POWER SUPPLY ON OTHER SIDE OF WAIT STATION. SEE KEY NOTE 21. RIBBON OR IN THIS LOCATION HAS A VERTICAL RUN NEAR THE COUNTER. SEE SHEET E301.
 - PROVIDE JUNCTION BOX AND MAKE FINAL CONNECTIONS TO L.E.D. RESTROOM SIGNAGE BY SIGNAGE VENDOR.
 - L.E.D. LIGHTING 120V/8V& POWER SUPPLY W/ RATINGS AS INDICATED. MOUNT ALL COMPONENTS ON TOP OF UPPER CABINET. ROUTE 2P/2 + 1P/2ND IN EMT OR MC CABLE TO ASSOCIATED WALL SWITCH. SEE KEY NOTE 21 & 22 ON THIS SHEET. OBTAIN 120V SOURCE FROM P5-38. SEE SHEETS E102, E301, & E302. SEE ARCHITECTURAL DETAILS ON 301. SAME RIBBONS ARE AT TWO ELEVATIONS.
 - TWO WIRELESS PADDLE FAN SPEED CONTROLLERS AT 30" PROGRAM TWO PADDLE FANS PER CONTROLLER AS INDICATED. SEE NUMBERED NOTES 11. OBTAIN 120V SOURCE FROM P5-22 W/ 2P/2 PLUS 1P/2ND IN 1/2" EMT.
 - PATIO HEATER CONTROL SWITCHES AT SERVER STATION BY MC. PROVIDE EMT W/ NPL ON PULL SEAL AFTER TEMPERATURE CONTROL WIRING HAS BEEN INSTALLED.
 - REFER TO ARCHITECTURAL FOR SATELLITE SERVICE MAST CONDUIT PENETRATION THRU ROOF. DO NOT LOCATE MAST DIRECTLY ABOVE AVY BACK LOCATION. COORDINATE ROUTE OF SATELLITE DISH DOWN LEAD ALONG RTU SCREEN WALL OPENING & AS CLOSE TO SCREEN WALL AS POSSIBLE.
 - SINGLE POLE SWITCH AT 42" FOR PATIO FLUORESCENT LIGHTING (RF1, RF3, & RF4 FIXTURES). ROUTE CIRCUITRY VIA LIGHTING CONTROLS. SEE SHEET E300. LABEL SWITCH "PATIO LIGHTS". ROUTE 2P/2 + 1P/2ND IN 1/2" EMT TO P5-20 VIA LIGHTING CONTROLS. SEE SHEET E302.
 - MAKE CONNECTIONS TO L.E.D. DIMMABLE LOGO SIGNAGE IN GREETER STATION. BY SIGNAGE VENDOR. ROUTE CIRCUITRY UNDER FLOOR TO P5-21 VIA LIGHTING CONTROLS. SEE SHEET E302.
 - Weatherproof AWS250L OR EQUAL OCCUPANCY SENSOR. PLOT LIGHT SWITCH AT 48". SEE SHEETS E301 & E302.
 - HUBNER #122 SPL. OR EQUAL. LOAD ON PLOT LIGHT SWITCH AT 48" FOR ROOF LIGHTING. SEE SHEETS E301 & E302. SWITCH SHALL BE LABELED "ROOF LIGHTS".
 - THIS SECTION OF TRACK SHALL OPERATE AS A NIGHT LIGHT AND BYPASS NIGHT SHUTDOWN CONTROLS. CONTROL VIA DIMMER AS INDICATED. SEE E302 FOR MORE INFORMATION.
 - THREE TYPE S-L1 LIGHT FIXTURE MOUNTED ON CAST JUNCTION BOX ON TOP CORNER OF JUMBOTRON FRAMING. SEE SHEET E102 & KEY NOTE 34 FOR ADDITIONAL INFORMATION.
 - TYPE S-L1 LIGHT FIXTURE 120/12 POWER SUPPLY MOUNTED ON TOP OF JUMBOTRON. SEE SHEET E101. OBTAIN POWER SOURCE FROM NEAREST PF1 LIGHT FIXTURES (CIRCUIT P5-4 VIA LIGHTING CONTROLS). SEE SHEET E302.
 - TYPE S-L1 LIGHT FIXTURE 120/12 POWER SUPPLY MOUNTED ON TOP OF JUMBOTRON. SEE SHEET E101. OBTAIN POWER SOURCE FROM NEAREST PF1 LIGHT FIXTURES (CIRCUIT P5-4 VIA LIGHTING CONTROLS). SEE SHEET E302.
 - PROVIDE WEATHERPROOF DISCONNECT SWITCH AT 48" ABOVE ROOF. ROUTE 2P/2 + 1P/2ND IN 1/2" EMT FROM SIGNAGE TO INDICATED CIRCUIT VIA LIGHTING CONTROLS. SEE SHEET E302. MAKE CONNECTIONS POWER SUPPLIES. EQUALLY SPACED AS REQUIRED BY SIGNAGE VENDOR/INSTALLER. SEE ARCHITECTURAL DETAILS.
 - PROVIDE (2) ENERGY SAVING NED SOFTSWITCH MODEL NO. QSN-85-162. SEE CONTROL DIAGRAM ON SHEET E302 FOR ADDITIONAL INFORMATION AND ALL PARTS REQUIRED.
 - PROVIDE 2 BUTTON WALL STATION MODEL NO. QSW2-2RDL-BL. SEE CONTROL DIAGRAM ON SHEET E302 FOR ADDITIONAL INFORMATION AND ALL PARTS REQUIRED.



PROJECT NUMBER 5748

BUFFALO WILD WINGS
BIRMINGHAM
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LIGHTING PLAN
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