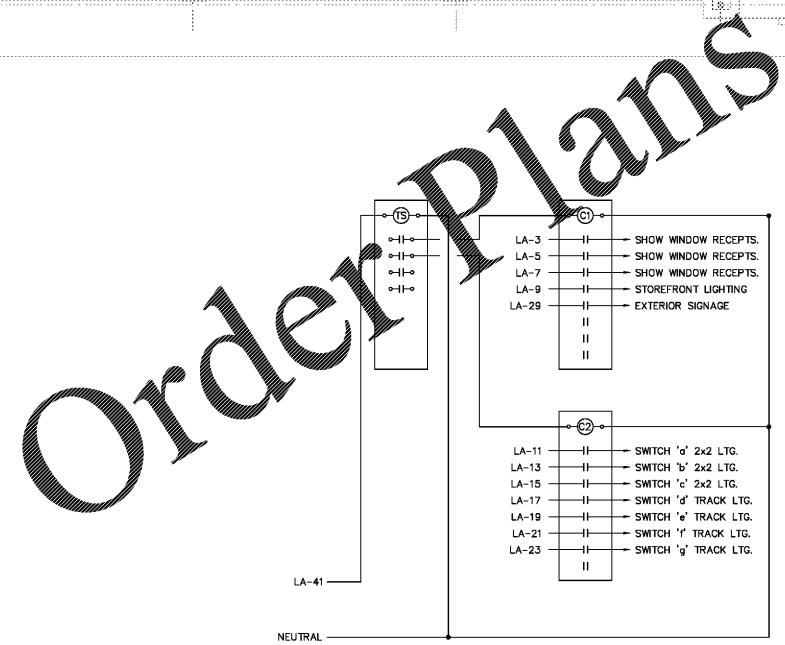


- GENERAL NOTES**
- ELECTRICAL CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR ALL LIGHT FIXTURE LOCATIONS.
  - CONTRACTOR SHALL COMPLETELY REMOVE ALL EQUIPMENT, PANELBOARDS, DEVICES, FIXTURES, WIRING, CONDUIT, ETC. AND ALL ASSOCIATED SUPPORTS, BRACING, PADS, ETC. NOT BEING REUSED OR SHOWN TO REMAIN WHETHER IN THE DEMISED SPACE, ON THE ROOF OR OTHERWISE LOCATED OUTSIDE OF THE DEMISED SPACE. DO NOT ABANDON IN PLACE.
  - ALL LINEAR FLOURESCENT LIGHT FIXTURES SHALL BE INSTALLED TO MEET THE REQUIREMENTS OF NEC SECTION 410-130(G) REGARDING LOCAL DISCONNECTING MEANS.
  - ALL 120 VOLT BRANCH CIRCUITS IN EXCESS OF 75' SHALL HAVE CONDUCTOR SIZE INCREASED A MINIMUM OF 1 CONDUCTOR SIZE. INSTALLING CONTRACTOR SHALL DETERMINE ACTUAL CONDUCTOR SIZE TO BE INSTALLED TO ADHERE TO VOLTAGE DROP REQUIREMENTS.
  - PROVIDE A NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT. NEUTRAL SHARING IS NOT ALLOWED. PROVIDE MULTI-BREAKER AS ALTERNATE PER NEC REQUIREMENT.
  - STOCKROOM LIGHTS ARE TO BE CENTERED IN AISLES.
  - ELECTRICAL SYSTEM SHALL BE GROUNDED AND BONDED PER NEC REQUIREMENTS AND AUTHORITY HAVING JURISDICTION.
- KEY NOTES**
- ELECTRICAL SERVICE EQUIPMENT LOCATION REFER TO PANEL SCHEDULES AND POWER RISER DIAGRAM ON SHEET E1.0.
  - PROVIDE TORK 4-CHANNEL TIME SWITCH MASTER CONTROL OF CONTACTORS. REFER TO CONTACTOR SCHEDULE AND LIGHTING CONTROL DIAGRAM ON THIS SHEET FOR FURTHER INFORMATION. COORDINATE SETTINGS WITH STORE OPERATIONS.
  - PROVIDE A900-917 SERIES MASTER CONTROL LIGHTING CONTACTORS (C1 AND C2) FOR SALES AREA LIGHTING AND REFRONT LIGHTING AND RECEPTACLES. CONTACTOR C1 SHALL BE CONTROLLED BY TIME SWITCH CHANNEL 1. CONTACTOR C2 SHALL BE CONTROLLED BY TIME SWITCH CHANNEL 2 AND WALL SWITCHES LOCATED ADJACENT TO SALES/STOCK DOOR. REFER TO CONTACTOR SCHEDULE AND LIGHTING CONTROL DIAGRAM ON THIS SHEET FOR FURTHER INFORMATION.
  - EXIT AND EMERGENCY LIGHTING IS TO BE CIRCUITED AHEAD OF LOCAL LIGHTING CONTROL.
  - PROVIDE PENDANT MOUNTED 360° DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER: DT-30S. PROVIDE B2-200 POWER PACK(S), AND ADDITIONAL WIRING AS REQUIRED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES.
  - PROVIDE WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER: DW-100-24. IN RESTROOMS, OCCUPANCY SENSOR SHALL CONTROL FAN AND LIGHT. PROVIDE B2-50 POWER PACKS, AND ADDITIONAL WIRING AS REQUIRED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES.
  - PROVIDE 3/4" CONDUIT FROM SECURITY HEAD-END EQUIPMENT IN BACK OF HOUSE AND STEM DOWN AT SECURITY DEVICE LOCATIONS SHOWN. PROVIDE AN OCTAGONAL J-BOX MOUNTED ON END OF CONDUIT FOR CCTV CAMERA LOCATION(S). COORDINATE EXACT MOUNTING HEIGHTS AND LOCATIONS WITH TENANT'S SECURITY VENDOR PRIOR TO BID AND ROUGH-IN. PROVIDE PLENUM RATED LOW VOLTAGE CABLING FROM SYSTEM HEAD-END TO EACH SECURITY DEVICE LOCATION. PROVIDE 24" ADDITIONAL LOW VOLTAGE CABLE SERVICE LOOP AT EACH LOCATION. COORDINATE LOW VOLTAGE CABLE TYPE WITH SECURITY VENDOR. SECURITY EQUIPMENT IS SHOWN FOR REFERENCE ONLY. SECURITY DEVICES (CAMERAS, MOTION DETECTORS, MONITOR, ETC.) ARE FURNISHED AND INSTALLED BY SECURITY VENDOR. FINAL CONNECTIONS TO ALL SECURITY EQUIPMENT ARE BY SECURITY VENDOR.
  - LOWER CASE LETTER REPRESENTS LIGHT SWITCH/LIGHTING CIRCUIT TO BE CONTROLLED. SWITCH BANK LOCATION FOR SALES AREA LIGHTING TO BE LOCATED ADJACENT TO SALES/STOCK DOOR AS INDICATED. SWITCHES SHALL BE APPROPRIATELY LABELED "SALES LIGHTING" AND "TRACK LIGHTING", AND BE GANGED UNDER ONE COVERPLATE.
  - SPEAKER AND WIRING PROVIDED BY TENANT'S VENDOR. COORDINATE EXACT LOCATIONS AND CONNECTION REQUIREMENTS VENDOR PRIOR TO BID AND ROUGH-IN.
  - PROVIDE JUNO CURRENT LIMITING END FEED FOR TRACK LIGHTING. CIRCUIT TO BEGIN AT THIS TRACK SECTION. CONNECT ALL TRACK SECTIONS OF THE SAME CIRCUIT DOWN STREAM OF THIS TRACK SECTION. REFER TO CURRENT LIMITING DEVICE SCHEDULE THIS SHEET FOR FURTHER INFORMATION.
  - PROVIDE (1) DUPLEX RECEPTACLE ABOVE SHOW WINDOW FOR EACH 12 FEET OR MAJOR FRACTION THEREOF MEASURED HORIZONTALLY AT ITS MAXIMUM WIDTH. COORDINATE EXACT MOUNTING METHOD AND LOCATION PRIOR TO BID AND ROUGH-IN. SHOW WINDOW RECEPTACLE CIRCUITS ARE TO BE ROUTED VIA THE TIME SWITCH. REFER TO LIGHTING CONTROL DIAGRAM THIS SHEET.
  - PROVIDE J-BOX AND DISCONNECTING MEANS FOR TENANT'S EXTERIOR STORE SIGN. SIGN CIRCUIT IS TO BE ROUTED VIA THE TIME SWITCH. REFER TO LIGHTING CONTROL DIAGRAM THIS SHEET. COORDINATE THE EXACT REQUIREMENTS WITH SIGN VENDOR.
  - STOREFRONT DOWN LIGHTING CIRCUIT IS TO BE ROUTED VIA CONTACTOR C1. REFER TO LIGHTING CONTROL DIAGRAM THIS SHEET. INSTALL LIGHTS AS CLOSE TO GATE HOODS AS POSSIBLE.

**1 LIGHTING PLAN**  
3/16" = 1'-0"



**2 LIGHTING CONTROL DIAGRAM**  
NOT TO SCALE

**CONTACTOR SCHEDULE**

MARK	LOAD	CONTROL	COIL V	LINE V	POLES	AMP	CIRCUITS
C1	SHOW WINDOW RECEPTACLES STOREFRONT LIGHTING	TS1	120	120	8	20	LA-3,5,7,8,29
C2	SALES GENERAL LIGHTING SALES TRACK LIGHTING	TS1 & WALL SWITCHES	120	120	8	20	LA-11,13,15,17,19,21,23

**CURRENT LIMITING DEVICE SCHEDULE**

TAG	JUNO CATALOG #	DESCRIPTION	WATTAGE
5A	TCL5BL	5A CURRENT LIMITING DEVICE - BLACK	480W
10A	TCL10BL	10A CURRENT LIMITING DEVICE - BLACK	960W

**SECURITY DEVICE LEGEND**

SYMBOL	DESCRIPTION
(C)	CAMERA - CEILING MOUNTED
(M)	360° MOTION DETECTOR
(MD)	MOTION DETECTOR - CEILING MOUNTED
(PVM)	PERSONAL VIEW MONITOR

**LIGHT FIXTURE SCHEDULE**

SYMBOL	TYPE	MANUFACTURER/CATALOG SERIES	MOUNTING	LAMPING	VOLTAGE	MOUNTING HEIGHT	FIXTURE DESCRIPTION
(A)	A	ATTAIN LED AT-PN-22-30-40-W	LAY-IN	30W LED	120	CEILING	2X2 LED PANEL
(A1)	A1	ATTAIN LED AT-PN-22-30-40-W	GWB	30W LED	120	CEILING	SAME AS TYPE A W/GWB ADAPTER
(B)	B	ATTAIN LED AT-PN-22-30-40-W	LAY-IN	30W LED	120	CEILING	2X2 LED PANEL, WITH EMERGENCY BATTERY BACK-UP
(B1)	B1	ATTAIN LED AT-PN-22-30-40-W	GWB	30W LED	120	CEILING	SAME AS TYPE B W/GWB ADAPTER
(C)	C	CONTECH LIGHTING CIL2838N-B	TRACK	14W LED PAR38	120	CEILING	GIMBAL TRACK HEAD WITH LED LAMP
(EF)	EF	BROAN A70L-WHITE	RECESSED	60W EQUIVALENT LED A19	120	CEILING	RECESSED FAN/LIGHT COMBO UNIT
(EX)	EX	BEST LIGHTING EZXTEU-2-G-W-EM	UNIVERSAL	INTEGRAL LED	120	SEE ELEVATIONS, OR 6" ABOVE DOOR	LED EXIT SIGN WITH INTEGRAL 90 MINUTE EMERGENCY BATTERY BACK-UP
(F)	F	CONTECH R0A4LH4K12M1WHT	RECESSED	14W/1400lm LED	120	CEILING	RECESSED LED ADJUSTABLE DOWNLIGHT
(G)	G	GREEN CREATIVE 28319 22.5STRIPDM/B40/277V	PENDANT/SURFACE	22.5W LED	120	12'-0" AFF/CEILING	SINGLE LAMP LED NARROW STRIP
(H)	H	GREEN CREATIVE 28319 22.5STRIPDM/B40/277V/EM	PENDANT/SURFACE	22.5W LED	120	12'-0" AFF/CEILING	SINGLE LAMP LED NARROW STRIP, WITH EMERGENCY BATTERY BACK-UP
(M)	M	BEST LIGHTING DBEL-BR-SOT-CW	SURFACE WALL	INTEGRAL LED	120	6" ABOVE REAR EXIT DOOR	EXTERIOR EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACK-UP
(N)	N	BEST LIGHTING LEDR-1	SURFACE WALL	INTEGRAL LED	120	CEILING	EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACK-UP
(T2)	T2	JUNO LT-(LENGTH)-B	CEILING	INTEGRAL LED	120	CEILING	SINGLE CIRCUIT LINE VOLTAGE TRACK (BLACK)

- LIGHT FIXTURE SCHEDULE NOTES:**
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND/OR ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LIGHT FIXTURE REQUIRED FOR THE CEILING CONSTRUCTION PRIOR TO ORDERING THE FIXTURES & PROVIDE FIXTURES THAT ARE COMPATIBLE WITH THE CEILING SYSTEM.
  - WHERE LIGHT FIXTURES ARE NOTED TO HAVE EMERGENCY BALLASTS THE EMERGENCY BALLASTS SHALL PROVIDE A MINIMUM OF NINETY (90) MINUTES OF CODE REQUIRED EMERGENCY LIGHTING. EACH EMERGENCY BALLAST PROVIDED SHALL PRODUCE THE MAXIMUM LUMEN OUTPUT AVAILABLE FOR THE LAMP USED. EMERGENCY LIGHTING BALLASTS SHALL BE BIDDING OR APPROVED EQUAL.
  - ALL FIXTURES TO BE NEW UNLESS NOTED OTHERWISE. EXISTING TO BE RELOCATED FIXTURES NOTED WITH 'X'. FIXTURES EXISTING TO BE REMOVED NOTED WITH 'R'.
  - WHERE EXISTING FIXTURES ARE TO REMAIN, REPLACE FIXTURES/BALLASTS AND LAMPS AS NEEDED FOR LIKE NEW APPEARANCE AND OPERATION.
  - ALL NEW LIGHTS TO BE 4000K. RELAMP ANY EXISTING FIXTURES TO 4000K, IF APPLICABLE.
  - FIXTURE SUBSTITUTE AS EQUAL ARE ACCEPTABLE FOR BID PURPOSE.



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NO.	DATE	DESCRIPTION

LIGHTING PLAN