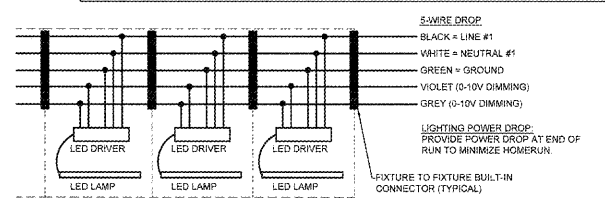


Type	Manufacturer	Part Number	VOLTAGE	LAMP QTY	Type of Lamp	WATTAGE	REMARKS	MTG CRITERIA	LOCATION
A	GE LUS	LUS-C4-A0-A0-W1-T-40-VQ-CS-WHITE-9204884	UNV	1	LED	84W	5'W X 8' H X 4'-11" LED STRIP, 10-400 LUMEN, 90 CRI, 4000K, WIDE DISTRIBUTION, 0-10V DIMMING, PROVIDE FOR CONTINUOUS ROW PER PLAN. SEE DETAIL 2E102	P @ 14'-6" (SEE 7E202)	SALES, PRE-SALES
A1	GE LUS	LUS-C4-A0-A0-W1-T-40-VQ-CS-WHITE-9204884	UNV	1	LED	42W	5'W X 8' H X 4'-11" LED STRIP, 5-200 LUMEN, 90 CRI, 4000K, WIDE DISTRIBUTION, 0-10V DIMMING, PROVIDE FOR CONTINUOUS ROW PER PLAN. SEE DETAIL 2E102	P @ 14'-6"	SALES
B	ALSET LED	52000, HB-15L-40K-UL	UNV	1	LED	138W	21" DIA X 5 1/2" H LED FROSTED HIGH-BAY, 18,025 LUMEN, 90 CRI, 4000K, 0-10V DIMMING	P @ 16'-0" (SEE 7E202)	SALES
BE	ALSET LED	52000, HB-15L-40K-UL W/2996	UNV	1	LED	138W	SAME AS TYPE B WITH 2500 LUMEN EMERGENCY BATTERY DRIVER	P @ 16'-0" (SEE 7E202)	SALES
C	FOCAL POINT	F8M4L-FL-275L-40K-IC-UNV-LD1-G1-WH-1	UNV	1	LED	14W	5' W X 4' X 4' LED WALL WASHER, 1.00 LUMEN, 90 CRI, 4000K, 0-10V DIMMING, AMT TO THE MIDDLE OF THE WALL, PROVIDE FOR CONTINUOUS ROW PER PLAN	R @ 12'-0"	MERCH PICKUP
D	HILITE MFG	H-50516-36-NO-LP/ICW-9311-9W-ED2/30/30CM	120V	1	LED	13W	5' W X 4' X 4' LED WALL WASHER, 1.00 LUMEN, 90 CRI, 4000K, 0-10V DIMMING, AMT TO THE MIDDLE OF THE WALL, PROVIDE FOR CONTINUOUS ROW PER PLAN	R @ 8'-0"	SUSPENDED CLOUD
E1	COOPER	20R8-232A-UNV-E8B1	UNV	2	FLUORESCENT	58W	2X LAY-IN W/ GE F32 T89L SPX12 LAMPS	R @ 8'-0"	LEARNING
EE	COOPER	20R8-232A-277-EL-E8B1	277V	2	FLUORESCENT	58W	2X LAY-IN W/ GE F32 T89L SPX12 LAMPS WITH EMERGENCY BALLAST	R @ 8'-0"	LEARNING/CORRIDOR
F	CAPITAL LIGHTING	94828 (OLD BRONZE FINISH)	120	1	COMPACT FLUOR	15W	OUTDOOR BARN LIGHT WALL SCONCE	W @ 8'-0"	MAIN ENTRY PRE-SALES
FI	GE LUS	LUS-4-A-0-52-W1-T-40-VQ-CS-WHITE	UNV	1	LED	42W	SAME AS TYPE A FOR OTHER LOCATIONS	P @ 8'-0"	SALES
G1E	GE LUS	LUS-4-A-0-52-W1-T-40-VQ-CS-WHITE	UNV	1	LED	42W	5'W X 8' H X 4'-11" LED STRIP, 5-200 LUMEN, 90 CRI, 4000K, WIDE DISTRIBUTION, 0-10V DIMMING	MOUNTED TO BOTTOM OF STRUCTURE	SALES
G2	GE LIGHTING	LLW30-0-07-02-3-3V-Q-WHITE	UNV	1	LED	11W	2" STRIP	W @ 9'-0" (SEE 18E202)	RESTROOM & MOTHER RM
G3	GE LIGHTING	LLW30-0-07-02-3-3V-Q-WHITE	UNV	1	LED	11W	2" STRIP	W @ 9'-0" (SEE 18E202)	RESTROOM
H	HILITE MFG	H-SP-501-93-8Q-4RP-BRKT-33-9W-LED2-30-0-C-AM	UNV	1	LED	9W	WALL MOUNT SPOT	W @ 8'-0" (SEE DETALS)	REGISTRY DESK/NURSERY CTR
HL	QUAL LIGHTING	HLS-120V-01-3W-3L-W-FLAT DIFFUSER	120V	1	LED	3W/FT	4" BLUE LED STRIP, ALSO COMES IN 300" 1 FT. LENGTHS.	SURFACE	STOREFRONT
J	CREE	HOUSING KR12T-SSG-FF	277V	1	LED	44W	7" DIA X 1 3/4" X 6" RECESSED DOWNLIGHT, 3,350 LUMEN	R @ 12'-0" (SEE 7E202)	SUSPENDED CLOUD/STUBULE
JE	CREE	REFLECTOR KR6-40-40K-277-10V-EB7	277V	1	LED	44W	SAME AS TYPE J WITH 10W, 780 LUMEN EMERGENCY BATTERY DRIVER	R @ 14'-6"	VESTIBULE
J1	CREE	REFLECTOR KR6-40-40K-277-10V-EB7	120	1	LED	12W	6" RECESSED DOWNLIGHT, 800 LUMEN, 90 CRI, 4000K	W @ 6'-0"	FURNITURE WGNETTES
M	SURE-LITES	UEL1-1K-SD	UNV	2	MR16	12W	EMERGENCY LIGHT MOUNTED 12" ABOVE DOOR	W @ 8'-0"	EXITS
P	STEVEN & CHRIS LTO	720593	120V	6	LED	220W	PROVIDE (6) 36W LED BULBS (300V INCANDESCENT EQUIVALENT)	P @ 8'-0" (SEE 2A&B01)	MERCH PICKUP
T	DMF LIGHTING	D7300W	120	1	LED	15W/HEAD	LED FIXTURE TRAY/HEAD - WHITE, PROVIDE LED LAMP (LED) 15W/48-59MM(406L)	P @ 12'-6"	SALES PERIMETER
U	NLS LIGHTING	HRM-74-18L-33-43K-UNV-WM-WHT-EB	UNV	1	LED	66W	HERMOGA WALL PACK W/ EMERGENCY BATTERY BACKUP	W @ 10'-0"	EXTERIOR
X	BEST LIGHTING	EDXTE-2-RAM-EM	UNV	1	LED	3.6W	SIGNS TO BE PENDANT MOUNTED IN SALES AREA AND SHALL BE WALL MOUNTED IN PRE-SALES AT 10'-0" AFF.	P @ 10'-0"	EXITS
Y	LITHONIA	ELM127	UNV	2	HID	37W	THERMOPLASTIC EMERGENCY LIGHT WHITE FINISH	W @ 8'-0"	RR/MOTHER'S ROOM OFFICES
Z	CRESCENT	DC40CF3	120V	1	LED	38W	PROVIDE (1) 38W LED BULB (300V INCANDESCENT EQUIVALENT)	W @ 6'-0"	DOCK

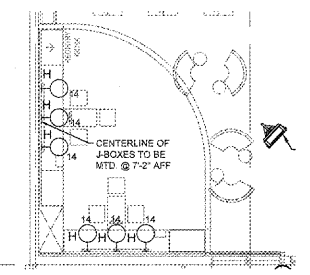
ZONE	CONTROL	AREA	EMS	CONTACTOR	REMARKS
1-4,6,7	OCCUPANCY/AUTOMATIC SHUT OFF PER ENERGY CODE SIGNAL FROM ALL LIGHTING NOT CONTROLLED SECURITY SYSTEM WHEN BUILDING IS IN "ARMED MODE" TO EXISTING EMS SYSTEMS SIGNS "UNOCCUPIED" BUILDING. EMS SHALL OPEN DRY CONTACT IN "ARMED" OR "UNOCCUPIED" MODE AND CLOSE DRY CONTACT IN "UNARMED" OR "OCCUPIED" MODE.	SALES FLOOR GENERAL LIGHTING		NA	PANEL SCHEDULES DEPICT CIRCUIT CONTROL (EXAMPLE CIRCUIT M1-1 SHOWS "B" UNDER "CONTROLS" COLUMN)
1	CUSTOMER LIGHTING SALES FLOOR (LIGHTING REDUCTION PER ENERGY CODE) SIGNAL FROM EXISTING EMS SYSTEM AFTER-HOURS SHALL BE SENT TO CONTROL 50% OF LIGHTING IN SALES	SALES FLOOR GENERAL LIGHTING		B1C13	AUTOMATIC "ON" AFTER HOURS WHEN ALARM SYSTEM SET TO "UNARMED" MODE. MANUAL CONTROL PROVIDED IN OPS CONTROLLER IN PROCESS ROOM
2	EMPLOYEE LIGHTING SALES FLOOR (LIGHTING REDUCTION PER ENERGY CODE) SIGNAL FROM EXISTING EMS SYSTEM AFTER-HOURS SHALL BE SENT TO CONTROL 50% OF LIGHTING IN SALES AND CIRCUITS TO FIXTURES IN SALES FLOOR.	SALES FLOOR GENERAL LIGHTING		B2C14 B3C7	INOWR TO PROVIDE RELAY FOR CONTACTOR. MANUAL CONTROL PROVIDED IN OPS CONTROLLER IN PROCESS ROOM
3	EMPLOYEE LIGHTING PRE-SALES (LIGHTING REDUCTION PER ENERGY CODE) SIGNAL FROM EXISTING EMS SYSTEM AFTER-HOURS SHALL BE SENT TO CONTROL 50% OF LIGHTING IN PRE-SALES.	PRE-SALES GENERAL LIGHTING		B4C5	AUTOMATIC "ON" AFTER HOURS WHEN ALARM SYSTEM SET TO "UNARMED" MODE. MANUAL CONTROL PROVIDED IN OPS CONTROLLER IN PROCESS ROOM
4	CUSTOMER LIGHTING PRE-SALES (LIGHTING REDUCTION PER ENERGY CODE) SIGNAL FROM EXISTING EMS SYSTEM AFTER-HOURS SHALL BE SENT TO CONTROL 50% OF LIGHTING IN PRE-SALES.	PRE-SALES GENERAL LIGHTING		B6C5	MANUAL CONTROL PROVIDED IN OPS CONTROLLER IN PROCESS ROOM
5	DUSK TO DAWN	EXTERIOR WALL PACKS		NA	PANEL SCHEDULES DEPICT CIRCUIT CONTROL
6	EXTERIOR SIGNAGE SIGNAL FROM EXISTING EMS SYSTEM SHALL TURN OFF SIGNS AFTER-HOURS AND WITH AMPLE DAYLIGHT FROM PHOTOCELL	EXTERIOR SIGNS		B6C4	PANEL SCHEDULES DEPICT CIRCUIT CONTROL
7	DAYLIGHTING MANUAL CONTROL SHALL TURN OFF LIGHTING IN DAYLIGHT ZONE WHEN ADEQUATE DAYLIGHTING IS PRESENT. CONTROL IS SUPPLEMENTAL TO OTHER CONTROLS.	LIGHTING IN DAYLIGHT ZONE		NA	FIELD ON LOAD SIDE OF OTHER CONTACTORS

- GENERAL NOTES**
- SITE VISIT BEFORE SUBMITTING THE BID PROPOSAL, THE CONTRACTOR SHALL VISIT THE JOB SITE & FULLY ACQUAINT HIMSELF WITH THE JOB CONDITIONS. VERIFY SERVICE CONNECTIONS, INCLUDING ALL NECESSARY PULLBOXES, SIZE & NUMBER OF CONDUITS AND CONDUCTORS, SWITCHGEAR, METERING, CABLE CHARGES, ETC. WHETHER SHOWN ON DRAWINGS OR NOT BUT REQUIRED BY SERVING UTILITY COMPANY, TO MAKE A COMPLETE AND OPERATING ELECTRICAL SERVICE WITHOUT ADDITIONAL COST TO THE OWNER. VERIFY SERVICES AND CHARGES WITH POWER AND TELEPHONE COMPANIES.
 - COORDINATION: COORDINATE WORK WITH THAT OF ALL OTHER TRADES
 - INSTALLATION: INSTALL LIGHTS SYMMETRICALLY WITH AISLE AND/OR DIMENSIONS AND COORDINATE FIXTURE PLACEMENT WITH OTHER EQUIPMENT INSTALLATIONS
 - LOCATION: LIGHT FIXTURE LOCATIONS ARE DETERMINED BY DRAWING "RC1" CONTRACTOR SHALL OBTAIN THE LATEST "RC1" DRAWING & LAYOUT LIGHTING IN THE CENTER OF THE AISLE. THE INTENT IS TO LOCATE THE SALES AREA LIGHT FIXTURES IN THE CENTER OF THE AISLE & SYMMETRICAL WITH LENGTH OF RAISING. REFER TO SHEET "LRF1" FOR DIMENSIONS OF LIGHTING FIXTURES.
 - INSTRUCTIONS: PRIOR TO FINISH OF AFFECTED WORK, CONTRACTOR SHALL INSTRUCT THE OWNER AND/OR MANAGER ON THE USE AND MAINTENANCE OF ELECTRICAL SYSTEM.
 - MECHANICAL COORDINATION: VERIFY LOCATIONS OF MECHANICAL EQUIPMENT AND INSTALL LIGHTING TO COORDINATE WITH MECHANICAL SYSTEMS.
 - COMPLIANCE: ELECTRICAL WORK AND MATERIALS SHALL COMPLY WITH CURRENTLY ADOPTED VERSION OF THE NEC, ENERGY CODE, AND ALL LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT AMONG REQUIREMENTS, THE MOST RESTRICTIVE SHALL APPLY.
 - WEATHERPROOF: ELECTRICAL DEVICES FOR USE OUTSIDE THE BUILDING SHALL BE WEATHERPROOF WHILE-IN-USE.
 - GROUNDING: GROUND ELECTRICAL EQUIPMENT PER THE NEC AND LOCAL CODE REQUIREMENTS
 - FRONT WALL: NO CONDUIT, DISCONNECTS, ETC. SHALL BE ROUTED ACROSS, OR MOUNTED ON FRONT WALL. CONDUITS SHALL BE ROUTED IN SLAB OR WITHIN WALL OR CHASE. IF MOUNTING CONDUIT, J-BOXES, ETC. ON FRONT WALL IS UNAVOIDABLE, COORDINATE LOCATIONS AND PAINTING WITH GO AND TRU DPM.
 - CONDUCTORS: ALL CONDUCTORS SHALL BE #12 AWG, CU, THHN/THWN, MINIMUM FOR RUNS OVER 100' FOR 120V CIRCUITS OR OVER 200' FOR 277V CIRCUITS. THE MINIMUM SIZE SHALL BE #10.
 - CONDUIT: MINIMUM CONDUIT SIZE SHALL BE 1 1/2" TRADE SIZE. ALL CONDUIT FOR WALL MOUNTED LIGHTS SHALL BE RUN CONCEALED IN CMU WALLS OR DRYWALL PARTITIONS, UNO.
 - CONDUIT AND CABLE ROUTING WHERE POSSIBLE, ALL CONDUIT AND CABLE SHALL BE RUN UNDER THE TRACK OF THE JOISTS. UNDER NO CIRCUMSTANCES SHALL CONDUIT BE RUN WITHIN 1/2" OF THE ROOF DECK.
 - LED CIRCUIT: EACH CIRCUIT FOR LED LIGHTING SHALL HAVE A DEDICATED NEUTRAL. ALL CIRCUITS SHALL FAIL IF NEUTRALS ARE SHARED.
 - DEVICE COLORS: WIRING DEVICE COLORS TO BE AS FOLLOWS:
 - O.A. ON WALLS EVERYWHERE BUT THE MOTHER'S ROOM - BLACK DEVICES WITH BRASS STAINLESS STEEL COVER PLATES
 - O.B. ON WALLS IN THE MOTHER'S ROOM - WHITE DEVICES WITH WHITE NYLON COVER
 - O.C. ON WALLS IN CONDOLOS - WHITE WITH WHITE OVERSIZED NYLON COVER PLATES
 - STANDARDS: ALL FLUORESCENT & LED LIGHT FIXTURES SHALL COMPLY WITH ALL APPLICABLE STANDARDS & CODES

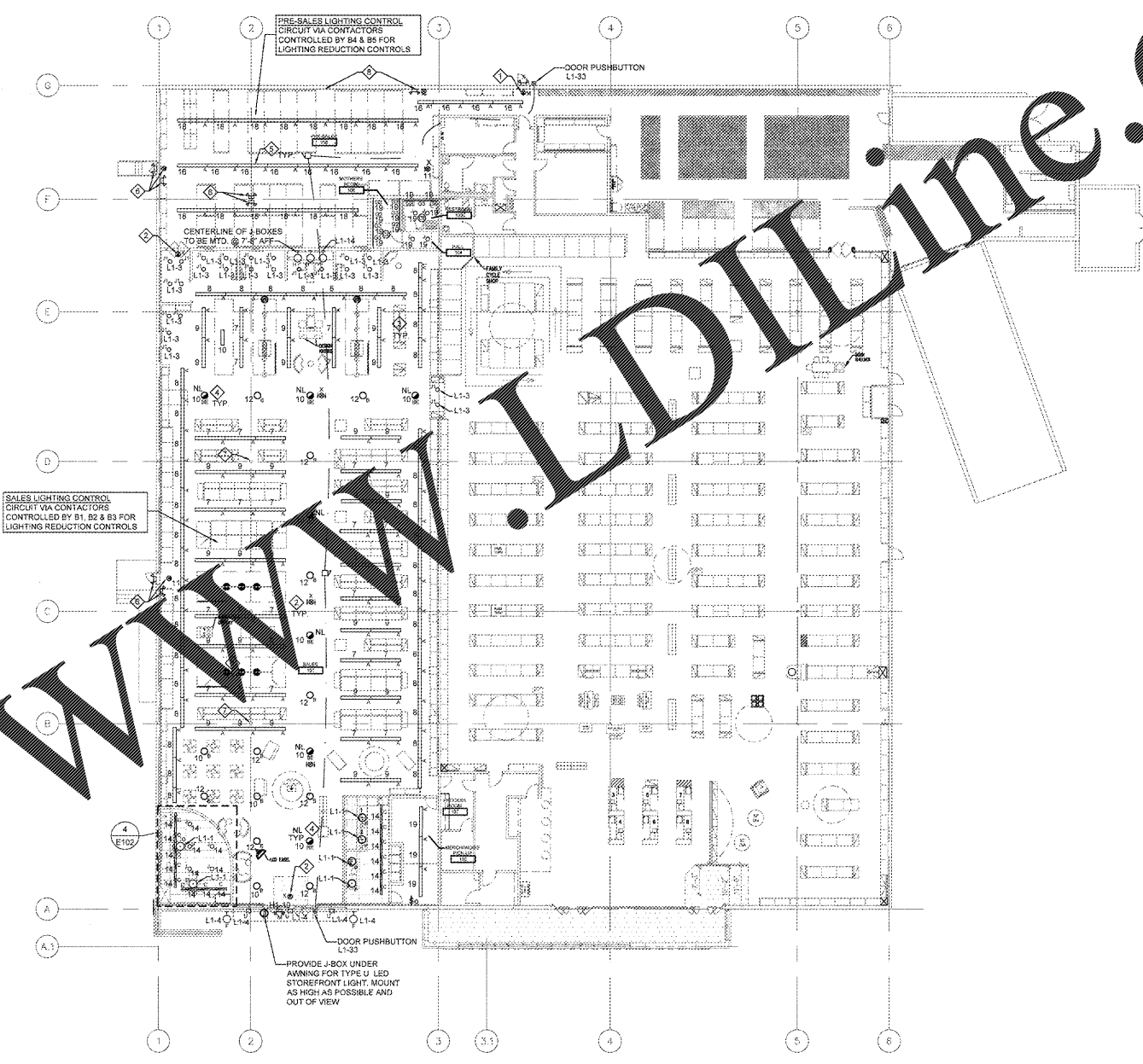
- ALL BRU SPACE LIGHTING TO BE CONNECTED TO TRU EXISTING CONTACTORS AND EXISTING EMS SYSTEM AS REQUIRED.
 - DISCONNECTING LIGHT FIXTURES CIRCUIT BREAKERS IN LIGHTING PANELS CONTROLLING FLUORESCENT FIXTURES NOT WITHIN SIGHT OF PANEL SHALL HAVE APPROVED MEANS FOR LOCKING IN THE OPEN POSITION.
 - EXTERIOR LIGHT FIXTURES: LIGHTING FIXTURES FOR USE OUTSIDE THE BUILDING SHALL BE WEATHERPROOF.
 - MOUNTING LIGHT FIXTURES SHALL BE SUPPORTED AT THE ENDS OF EACH FIXTURE WITH SUPPORTS NOT TO EXCEED 8 FOOT SPACING.
 - OWNER FURNISHED ALL LIGHTING FIXTURES, LAMPS & BALLASTS WILL BE FURNISHED BY OWNER AND INSTALLED BY EC, U.N.O.
 - PENDANT LIGHTING MOUNTING: ALL PENDANT LIGHTING FIXTURES IN SALES AREA SHALL BE HUNG WITH AIR DRAFT CABLE AT HEIGHT SPECIFIED IN LIGHT FIXTURE SCHEDULE.
 - CIRCUITING: ALL LIGHTING ON THIS SHEET SHALL BE CONNECTED TO PANEL "H" UNO.
 - NIGHT LIGHTING (NLS) AND EMERGENCY LIGHTING (EM) ALL SHADDED EMERGENCY FIXTURES SHALL HAVE NON-SWITCHED CONDUCTORS FOR EMERGENCY BALLAST CHARGING AND LOSS OF POWER PROTECTION IN NON-SWITCHED POWER FOR EMERGENCY BALLASTS IN ALL OFFICE CONFERENCE, RESTROOM, ETC. (FIXTURES SHOWN ON ENLARGED PLAN) SHALL COME FROM SAME CIRCUIT BREAKER AS THE BALLAST.
 - POWER DROP LOCATION: POWER DROPS FOR ALL LINEAR FLUORESCENT FIXTURES IN RECEPTION AREA SHALL BE LOCATED AWAY FROM MAIN RACE TRACK AS APPLICABLE.
 - DIMMING CONTROL: CABLE CAP 0-10V CABLE SHALL BE USED FOR LINEAR LAMP. SEE DETAIL 2E202.
 - LOCATION FLEXIBILITY: ALL ROWS OF LIGHT FIXTURES IN SALES AREA SHALL BE INSTALLED WITH FLEXIBLE METAL CONDUIT TO PERMIT 6" OF SIDE-TO-SIDE ADJUSTMENT (APPROX. 8" OF SLACK EXTRA CONDUIT SHALL BE COILED AND SUPPORTED IN A CODE APPROVED MANNER AT UPPER JUNCTION BOX. PAINT CONDUIT TO MATCH DECK.
- KEY NOTES**
- WALL MOUNT EXIT SIGNS SHALL BE CLEAR OF ALL FIXTURING. COORDINATE QUANTITY AND LOCATION OF EXIT SIGNS WITH LOCAL AUTHORITIES.
 - RELOCATE EXISTING EXIT SIGNS FROM ROOF DECK (TYP.) MOUNTING HEIGHT TO BE CLEAR OF ALL FIXTURING. EXIT SIGNS SHALL BE RESPONSIBLE FOR COORDINATION OF QUANTITY AND LOCATION OF EXIT SIGNS WITH LOCAL AUTHORITIES. SEE DETAIL 2E202.
 - RELOCATE EXISTING LIGHTING FIXTURES IN SALES AREA SHALL BE INSTALLED WITH FLEXIBLE METAL CONDUIT TO PERMIT 6" OF SIDE-TO-SIDE ADJUSTMENT (APPROX. 8" OF SLACK EXTRA CONDUIT SHALL BE COILED AND SUPPORTED IN A CODE APPROVED MANNER AT UPPER JUNCTION BOX. PAINT CONDUIT TO MATCH ROOF DECK.
 - EMERGENCY LIGHTING: ALL SHADDED EMERGENCY FIXTURES SHALL HAVE NON-SWITCHED CONDUCTOR FOR EMERGENCY BALLAST CHARGING AND LOSS OF POWER DETECTION.
 - RELOCATE EXISTING LIGHTING FIXTURES ABOVE BOTTOM OF ROOF FRAMING MEMBERS IN PRE-SALES AREA AND MOUNT FIXTURE TO TOP OF ROOF FRAMING MEMBERS IN RECEIVING AREA.
 - EXISTING EXIT & EMERGENCY LIGHT FIXTURES TO REMAIN IN-PLACE AND CONNECTED. UNO.
 - EXISTING EMERGENCY LIGHT FIXTURE, TO BE DISCONNECT AND DISCARD. REMOVE ASSOCIATED WIRING.
 - EXISTING EXIT AND EMERGENCY FIXTURES TO BE DISCONNECTED, RELOCATED AS SHOWN AND RECONNECT.



2 TYPE A LIGHT FIXTURE WIRING
E102 SCALE = N.T.S.



4 BABY REGISTRY DESK SCONES
E102 SCALE = 1/8" = 1'-0"



1 ELECTRICAL LIGHTING PLAN
E102 SCALE = 1/16" = 1'-0"



REVISIONS		
No	Date	Description
1	01/22/18	60% OWNER REVIEW
2	01/28/18	ISSUED FOR PERMIT/BD

NO SUBSTITUTIONS SHALL BE ALLOWED UNLESS OTHERWISE NOTED (REFER TO SPECIFICATIONS)

DESIGNED FOR: FLORIDA BUILDING CODE, 6TH EDITION (2017).

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BD DATE: 01/28/18 PROJECT NO: 918219
CAD NAME: E302 CHECKED BY: JAC
DRAWN BY: SA PROTOTYPE

CASCO PROFESSIONAL SERVICES, LLC
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REGISTERED PROFESSIONAL ENGINEER
JOSEPH A. CARTER, LIC. NO. 68614
EXP. DATE 02/28/19

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Location
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3770 US HIGHWAY 98 NORTH 33809

Drawing Title
LIGHTING PLAN

Scale AS NOTED Date 1/28/18

Sheet No. E102

Order Plans