



NOTE:
AN ENERGY MANAGEMENT SYSTEM FOR THE FACILITY IS SUPPLIED AS AN INTEGRAL PART OF THE POWER WALL. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE PROJECT MANAGER ON INSTALLATION OF EQUIPMENT, LIGHTING AND WIRING DEVICE BRANCH CIRCUITS CONTROLLED BY THE ENERGY MANAGEMENT SYSTEM. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT, WIRING AND CONNECTIONS AS REQUIRED TO CONTROL THE EQUIPMENT, LIGHTING AND WIRING DEVICES INDICATED.

KEYNOTES:
 (E1) CONTACTORS FURNISHED AND CONTROL IN POWER-WALL ENCLOSURE.
 (E2) FACTORY WIRING AS SHOWN ON POWER-WALL.
 (E3) WIRING TO BE PERFORMED BY ELECTRICAL CONTRACTOR. SEE PANEL "L1" AND "S1" E-101 FOR CONNECTIONS.
 (E4) ELECTRICAL CONTRACTOR TO PROVIDE DEDICATED CIRCUIT TO SITE LIGHTING POLE CLOSEST TO ENTRY. POLE TO BE CONTROLLED AS "SALES" LIGHT WITH SITE LIGHTING ELECTRICAL PLAN AND ALDI REPRESENTATIVE.
 (E5) PROVIDE 2-POLE CIRCUIT BREAKER AS INDICATED IN PANELBOARD SCHEDULES FOR SITE LIGHTING FIXTURES.

D1 Lighting Control Diagram

LIGHTING LUMINAIRE SCHEDULE

MOUNTING (MIG) KEY:
 RE - RECESSED
 SF - SUSPENDED
 CL - CEILING SURFACE
 WL - WALL
 UC - UNDERCABINET
 CV - COVE
 PL - POLE
 O - OTHER (SEE REMARKS)

LAMP TYPE KEY:
 FL - FLUORESCENT
 CF - COMPACT FLUORESCENT
 IN - INCANDESCENT
 LED - LIGHT EMITTING DIODE
 HS - HIGH PRESSURE SODIUM
 MH - METAL HALIDE
 MV - MERCURY VAPOR
 LV - LOW VOLTAGE
 O - OTHER (SEE REMARKS)

DOOR KEY:
 FA - FLAT ALUMINUM
 FS - FLAT STEEL
 RA - RECESSED ALUMINUM
 RS - RECESSED STEEL

LAMP TYPE KEY (CONT.):
 IN - INCANDESCENT
 LED - LIGHT EMITTING DIODE
 HS - HIGH PRESSURE SODIUM
 MH - METAL HALIDE
 MV - MERCURY VAPOR
 LV - LOW VOLTAGE
 O - OTHER (SEE REMARKS)

LENSE/COVER (L/L) KEY:
 A - 1/2" ACRYLIC
 B - BLACK MILLIGROOVE
 C - CLEAR ALZAK
 D - PARABOLIC
 E - ...
 F - FRESNEL
 G - TEMPERED GLASS
 H - WALL WASHER
 K - KSH12 1/2" ACRYLIC
 K19 - KSH19 1/2" ACRYLIC
 L - LOW IRIDESCENT SPECULAR ALUMINUM
 M - ...
 N - NONE
 O - OTHER (SEE REMARKS)

NOTES:
 1. CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. FIRST READ THE COMPLETE DESCRIPTION, NOTES, AND REMARKS AND THE SPECIFICATIONS IN COORDINATION WITH CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURER LISTED IS THE BASIS OF DESIGN.
 2. ALL LAMPS FOR THIS PROJECT SHALL BE FURNISHED BY MANUFACTURER WITH FIXTURES AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
 3. FOR NATIONAL ACCOUNTS PRICING CONTACT MIKE KRENER @ CREE LIGHTING MIKE.KRENER@CREE.COM PHONE: 262-504-5037
 4. NORDSON LIGHTING SYSTEM SHALL BE OWNER FURNISHED AND CONTRACTOR INSTALLED. CONTRACTOR SHALL HAVE 5 DAYS FROM DATE OF DELIVERY ACCEPTANCE TO VERIFY SHIPMENT FOR ANY DAMAGES. CORRECT QUANTITY OF FIXTURES, AND PLACE CLAMP. AFTER 5 DAYS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES AND ADDITIONAL FIXTURES REQUIRED TO ACHIEVE LAYOUT SHOWN.
 5. FOR NATIONAL ACCOUNTS PRICING CONTACT KEN BLUDER @ FACILITY SOLUTIONS GROUP KEN.BLUDER@FSG.COM PHONE: 630-773-8100
 6. LUMINAIRES ARE TYPICAL FOR ALDI STORES. FIXTURES SHOWN LIGHT LINE WEIGHT NOT USED ON THIS PROJECT. REFER TO LIGHTING PLAN FOR QUANTITIES OF LUMINAIRES USED. FIXTURES SHALL BE ORDERED BY MODEL NUMBER AND MANUFACTURER NOT BY ID NUMBER. VERIFY SITE LIGHTING FIXTURE TYPES AND LOCATIONS WITH FINAL SITE PLANS.
 7. FIXTURE AND POLE SPECIFICATION SHALL BE VERIFIED WITH FINAL SITE PLANS AND ENGINEER FOR LOCAL REQUIREMENTS. ALDI REPRESENTATIVE SHALL APPROVE POLE HEIGHTS.

FXT. NO.	DESCRIPTION	FXT. SIZE	MTG.	LAMPS		VOLTS/ BLS TYPE	L/L	MANUFACTURER	REMARKS
				TYPE	QUANTITY & SIZE				
L1	8' SURFACE STRIP LIGHT	2.5'W. x 8'L	O	LED	88W, 8000L, 35K	120	O	CREE: LS8-80L-35K-10V LS9003-LS9001	BACKROOM - REFER TO STRIP FIXTURE MOUNTING NOTES. REFER TO NOTE #3
L1E	8' SURFACE STRIP LIGHT W/ EMERGENCY BACKUP MINIMUM OF 90 MIN OPERATION	2.5'W. x 8'L	O	LED	88W, 8000L, 35K	120	O	CREE: LS8-80L-35K-10V-EB14 LS9003-LS9001	SAME MOUNTING AS TYPE L1. FACTORY INSTALLED 1400 LUMEN EMERGENCY POWER PACK. VERIFY (EM) FIXTURE PLACEMENT WITH DRAWING E-101 PRIOR TO INSTALLATION. REFER TO NOTE #3
L2	4' SURFACE STRIP LIGHT	2.5'W. x 4'L	O	LED	44W, 4000L, 35K	120	O	CREE: LS4-40L-35K-10V	SAME MOUNTING AS TYPE L1. REFER TO NOTE #3
L2E	4' SURFACE STRIP LIGHT W/ EMERGENCY BACKUP MINIMUM OF 90 MIN OPERATION	2.5'W. x 4'L	O	LED	44W, 4000L, 35K	120	O	CREE: LS4-40L-35K-10V-EB14	SAME MOUNTING AS TYPE L1. FACTORY INSTALLED 1400 LUMEN EMERGENCY POWER PACK. VERIFY (EM) FIXTURE PLACEMENT WITH DRAWING E-101 PRIOR TO INSTALLATION. REFER TO NOTE #3
L3	DO NOT USE								
L4	TROFFER	2'-0" x 4'-0"	RE	LED	44W, 4000L, 35K	120	O	CREE: ZR24-40L-35K-10V	REFER TO NOTE #3
L4E	TROFFER W/ EMERGENCY BACKUP MINIMUM OF 90 MIN OPERATION	2'-0" x 4'-0"	RE	LED	44W, 4000L, 35K	120	O	CREE: ZR24-40L-35K-10V-EB14	FACTORY INSTALLED 1400 LUMEN EMERGENCY POWER PACK. VERIFY (EM) FIXTURE PLACEMENT WITH DRAWING E-101 PRIOR TO INSTALLATION. REFER TO NOTE #3
L5	DO NOT USE								
L6	VAPOR TIGHT FIXTURE	6" NOM.	O	LED	9.5W, 800L, 27K	120	O	CREE: EMT4A101G/A19-60W-27K	ENCLOSED AND GASKETED. GLOBE, METAL GUARD, WALL MOUNT. REFER TO D3/E-001. REFER TO NOTE #3
L7	DOCK LIGHT		WL	LED	18W, 1500L, 30K	120	O	CREE: LD250-1/A PAR98-90W-30K-27D	DUAL 40° BEAM ANGLE. CONTACT CONNECTION, INTEGRATED. REFER TO NOTE #3
L8	DO NOT USE								
L9	DO NOT USE								
L10	WEI LOCATION LINEAR	51.8" L, 4.8" W, 4.3" H	O	LED	43W, 5900L, 35K	120	O	CREE: W54-59L-35K-10V	MOUNT FIXTURE OVER REFRIGERATION CONDENSER FOR INSTALLATION IN WALK-IN REFRIGERATION AREAS. REFER TO NOTE #3
L11	7' LOW-PROFILE LINEAR COVE LUMINAIRE	24.3" L, 1.13" W, 1.07" H	O	LED	15.5W, 1000L, 30K	120	O	CREE: BL-138-S12-WH-3	INSTALL FIXTURES ABOVE MULTIDECK UNITS ON GC INSTALLED HAT CHANNELS. FIXTURE FURNISHED MOUNTING CLIPS. PROVIDE ONE CL-13858HW POWER FEED SWITCH BOX AND INSTALL IN CENTER OF CONTINUOUS ROW. LIGHTING ROW LENGTH FROM SWITCH BOX NOT TO EXCEED 36'-0". REFER TO NOTE #3
L12	DO NOT USE								
L13	4' RECESSED CAN		RE	LED	26W, 1730L, 35K	120	O	CREE LIGHTING: NU4-RD-XM19-20LM-35K-BS560-120-RET-XK-32	VERIFY TRIM AND BEZEL COLOR OPTIONS WITH ALDI REP. AND LTG. SUPPLIER PRIOR TO ORDER RELEASE. REFER TO NOTE #3
L13E	4' RECESSED CAN W/ EMERGENCY		RE	LED	26W, 1730L, 35K	120	O	NU4-RD-XM19-20LM-35K-BS560-120-RET-XK-32-EM12	REFER TO NOTE #3
N1	LINEAR STRIP LIGHT 3.7' BAYING HIGH OUTPUT	2.5'W, 44.25" L	O	LED	54W, 6000L, 35K	120	O	NORDEON: 3L6-3500K-UNV-DX20-O-3.7-8L-DIM	MOUNTS INTO WIRE TRUNK. REFER TO WIRE TRUNK MOUNTING NOTES. REFER TO NOTE #4
N2	LINEAR STRIP LIGHT 5.5' BAYING HIGH OUTPUT	2.5'W, 66.4" L	O	LED	72W, 9000L, 35K	120	O	NORDEON: 3L9-3500K-UNV-DX20-O-5.5-8L-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
N2E	LINEAR STRIP LIGHT 5.5' BAYING HIGH OUTPUT W/ EMERGENCY BACKUP MINIMUM OF 90 MIN	2.5'W, 66.4" L	O	LED	72W, 9000L, 35K	120	O	NORDEON: 3L6-3500K-UNV-DX20-O-5.5-8L-DIM	SAME MOUNTING AS N1. FACTORY INSTALLED 600 LUMEN EMERGENCY POWER PACK. VERIFY (EM) FIXTURE PLACEMENT WITH DRAWING E-101 PRIOR TO INSTALLATION. REFER TO NOTE #4
N3	LINEAR STRIP LIGHT 3.7' DIFFUSED HIGH OUTPUT	2.5'W, 44.25" L	O	LED	54W, 6000L, 35K	120	O	NORDEON: 3L6-3500K-UNV-DP2-3.7-8L-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
N3E	LINEAR STRIP LIGHT 3.7' DIFFUSED HIGH OUTPUT W/ EMERGENCY BACKUP MINIMUM OF 90 MIN	2.5'W, 44.25" L	O	LED	54W, 6000L, 35K	120	O	NORDEON: 3L6-3500K-UNV-DP2-3.7-8L-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
N4	LINEAR STRIP LIGHT 5.5' DIFFUSED HIGH OUTPUT	2.5'W, 66.4" L	O	LED	72W, 9000L, 35K	120	O	NORDEON: 3L9-3500K-UNV-DP2-5.5-8L-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
N4E	LINEAR STRIP LIGHT 5.5' DIFFUSED HIGH OUTPUT W/ EMERGENCY BACKUP MINIMUM OF 90 MIN OPERATION	2.5'W, 66.4" L	O	LED	72W, 9000L, 35K	120	O	NORDEON: 3L6-3500K-UNV-DP2-5.5-8L-DIM	SAME MOUNTING AS N1. FACTORY INSTALLED 600 LUMEN EMERGENCY POWER PACK. VERIFY (EM) FIXTURE PLACEMENT WITH DRAWING E-101 PRIOR TO INSTALLATION. REFER TO NOTE #4
N5	LINEAR STRIP LIGHT 3.7' WALLWASH	2.5'W, 44.25" L	LED	54W, 6000L, 35K	120	O	NORDEON: 3L6-3500K-UNV-WW-3.7-8L-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4	
N5E	LINEAR STRIP LIGHT 3.7' WALLWASH W/ EMERGENCY BACKUP MINIMUM OF 90 MIN OPERATION	2.5'W, 44.25" L	LED	54W, 6000L, 35K	120	O	NORDEON: 3L6-3500K-UNV-WW-3.7-8L-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4	
N6	LINEAR STRIP LIGHT 5.5' WALLWASH HIGH OUTPUT	2.5'W, 66.4" L	LED	72W, 9000L, 35K	120	O	NORDEON: 3L9-3500K-UNV-WW-5.5-8L-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4	
N6E	LINEAR STRIP LIGHT 5.5' WALLWASH HIGH OUTPUT W/ EMERGENCY BACKUP MINIMUM OF 90 MIN OPERATION	2.5'W, 66.4" L	LED	72W, 9000L, 35K	120	O	NORDEON: 3L9-3500K-UNV-WW-5.5-8L-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4	
N7	1.10' SINGLE SPOT MODULE	2.5'W, 22" L	LED	28W, 3000L, 35K	120	O	NORDEON: SK-E-1-28W-935-WB-8L-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4	
N7D	1.10' SINGLE SPOT MODULE W/ DIFFUSER	2.5'W, 22" L	LED	28W, 3000L, 35K	120	O	NORDEON: SK-E-1-28W-935-WB-8L-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4	
N8	1.10' DOUBLE SPOT MODULE	2.5'W, 22" L	LED	45W, 2X 3000L, 35K	120	O	NORDEON: SK-E-2-45W-935-WB-8L-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4	
N8D	1.10' DOUBLE SPOT MODULE W/ DIFFUSER	2.5'W, 22" L	LED	45W, 2X 3000L, 35K	120	O	NORDEON: SK-E-2-45W-935-WB-8L-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4	
EX-81	UNIVERSAL EXIT - (WALL MTD) STENCIL FACE WITH RED LETTERS	N/A	WL	LED	3.8W	120	N	CREE: BLP000102	BACK MOUNT ON WALL. BATTERY AND CHARGER FOR 90 MIN. OPERATION. MOUNT 48" 4" A.F.F. UNLESS OTHERWISE NOTED. REFER TO NOTE #3
EX-82	UNIVERSAL EXIT - (CLG MTD) STENCIL FACE WITH RED LETTERS	N/A	SF/CL	LED	3.8W	120	N	CREE: BLP000102	CEILING OR STEM MOUNT. MOUNTING HEIGHT AS NOTED. BATTERY AND CHARGER FOR 90 MIN. OPERATION. REFER TO NOTE #3
EM-X	EXTERIOR EMERGENCY UNIT - SELF-CONTAINED BATTERY AND CHARGER FOR 90 MIN. OPERATION	10.5" H, 6.5" W, 3.75" D.	WL	O	[2] 6W	120	N	CREE: EMDCCCS	PAINTED PLATINUM SILVER. SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT. REFER TO NOTE #3

STRIP FIXTURE MOUNTING NOTES (BACK ROOM):
 ALL FIXTURES SHALL BE POSITIONED PER THE DIMENSIONS ON DRAWING A-111.

BACK ROOM:
 MOUNT FIXTURES PERPENDICULAR TO ROOF JOISTS WITH SUPPLIED AIRCRAFT CABLE KITS ATTACHED TO BOTTOM OF JOISTS AT 12'-0" AFF

MOUNT FIXTURES PARALLEL TO ROOF JOISTS WITH UNISTRUT ATTACHED AND SECURED TO TOP OF THE BOTTOM CHORD OF JOIST WITH SUPPLIED AIRCRAFT CABLE KITS ATTACHED TO UNISTRUT AT 12'-0" AFF

WIRE TRUNK MOUNTING NOTES (SALES FLOOR - GROUND UP):
 ALL FIXTURES SHALL BE POSITIONED PER THE DIMENSIONS ON DRAWING A-111.

SUSPENDED FIXTURE TRUNKS @ 13'-4" A.F.F. (UNLESS OTHERWISE NOTED) WITH SUPPLIED AIRCRAFT CABLE KITS AND SAMMYS SCREWS TO ROOF DECK PER MANUFACTURER'S RECOMMENDATIONS. IF FIXTURE RUN INTERFERES WITH A JOIST GIRDER ADJUST LOCATION OF ROW TO ALLOW IT TO RUN THROUGH THE WEB. COORDINATE WITH ALDI CONST. REPRESENTATIVE. REFER TO LAYOUT DRAWING FROM NORDEON FOR NUMBER OF CABLES PER ROW AND SPACING.

POWER DROP LOCATIONS ARE NOTED ON THE TRUNK LAYOUT DRAWING. TRUNKS ONLY HAVE POWER FEED ON ONE END OF TRUNK. START EACH ROW FROM THE POWER FEED END. CONNECT WIRE HARNESS FROM TRUNK TO TRUNK ON EACH ROW METAL END PLATES ARE TO BE INSTALLED AT THE BEGINNING AND END OF EACH ROW.

FINAL MOUNTING HEIGHT OF FIXTURES ADJACENT TO SALES FLOOR PERIMETER WALLS MUST BE ABOVE OR EQUAL TO SALES FLOOR WALL PAINT LINE.

W.W. LD ONLINE
 E.C. SHALL BE RESPONSIBLE TO VERIFY FIXTURE AND POLE SPECIFICATIONS WITH APPROVED PHOTOGRAPHIC/CIVIL DRAWINGS PRIOR TO ORDER BEING PLACED

Issued: _____ Date: _____

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Seal



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