



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 INTO THE 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 SHALL BE INDICATED.

KEYNOTES:
E1 CONTACTORS FURNISHED WITH CONTROLS IN POWER-WALL ENCLOSURE.
E2 FACTORY WIRING AS PART OF POWER-WALL.
E3 WIRING TO BE PERFORMED BY ELECTRICAL CONTRACTOR. SEE PANEL 'L1' AND SHEET E-101 FOR CIRCUIT LOCATIONS.
E4 ELECTRICAL CONTRACTOR TO PROVIDE DEDICATED CIRCUIT TO SITE LIGHTING POLE CLOSEST TO ENTRY. VERIFY POLE TO BE CONTROLLED AS 'SAFETY 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 (MTG) KEY:
RE - RECESSED
SP - SUSPENDED
CL - CEILING SURFACE
WL - WALL
UC - UNDER CABINET
CV - COVE
PL - POLE
O - OTHER (SEE REMARKS)

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

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)

BALLAST (BLS) KEY:
EM - ELECTRONIC
EM-EMERGENCY BATTERY
OD - OUTDOOR RATED BALLAST
EN - ENERGY SAVING

LENS/OUVIER (L/L) KEY:
A - 125' ACRYLIC
B - BLACK MULLIGROOVE
C - CLEAR ALZAK
D - PARABOLIC
E - ...
F - FRESNEL
G - TEMPERED GLASS
H - WALL WASHER
K - KSH12 125' ACRYLIC
K19 - KSH19 156' ACRYLIC
L - LOW RECESSED 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. FOR NATIONAL ACCOUNTS PRICING CONTACT JENNIFER.COMPTON@NORDEON.COM PHONE: 864-487-3535
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.

FIXT. NO.	DESCRIPTION	FIXT. SIZE	MTG.	LAMPS		VOLTS/ BLS TYPE	L/L	MANUFACTURER	REMARKS
				TYPE	QUANTITY & SIZE				
L1	8' SURFACE STRIP LIGHT	2.5'W. x 6'L	O	LED	88W, 8000L, 35K	120	O	CREE: LS8-80L-35K-10V LS9003 LS9001	SALES FLOOR & 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 6'L	O	LED	88W, 8000L, 35K	120	O	CREE: LS8-80L-35K-10V-EB14 LS9003 LS9001	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: EM74A101G/A19-60W-27K	ENCLOSED AND GASKETED GLOBE, METAL GUARD, WALL MOUNT REFER TO NOTE #3
L7	DOCK LIGHT		WL	LED	18W, 1500L, 30K	120	O	CREE: LD1P38-17A PAR38-90W-30K-120	DIS. ARM 40' REACH. ELECTRICAL CONNECTION. INTEGRATED WITH REFER TO NOTE #3
L8	DO NOT USE								
L9	DO NOT USE								
L10	WET LOCATION LINEAR	51.8" L 6.8" W 4.3" H	O	LED	63W, 5900L, 35K	120	O	CREE: WS4-518-63W-35K-120V-FD	REFER TO NOTE #3
L11	2' LOW-PROFILE LINEAR COVE LUMINAIRE	24.3" L 1.13" W 1.0" H	O	LED	15.5W, 1000L, 35K	120	O	CREE: CL138-512-WH-3	MOUNT FIXTURES ABOVE MULTIDECK UNITS ON GC INSTALLED HAT CHANNELS W/ FIXTURE FURNISHED MOUNTING CLIPS PROVIDE ONE CL-1382WH POWER FEED SWITCH BOX AND INSTALL IN CENTER OF CONTINUOUS ROW. LIGHTING ROW LENGTH: FROM SWITCH BOX NOT TO EXCEED 48'-0". REFER TO NOTE #3
L12	CYLINDER TRACK PENDANT	3.125" D 11.75" H	O	LED	12W, 810L, 30K	120	O	WAC LIGHTING: HTR-F4-454-LED-WT-BK	LENGTH OF TRACK, CONNECTORS, AND FEEDS REQUIRED FOR GONDOLA SHALL BE VERIFIED WITH ALDI REP. AND LTG. SUPPLIER PRIOR TO ORDER RELEASE REFER TO NOTE #5
N1	LINEAR STRIP LIGHT 3.7' BATHING HIGH OUTPUT	2.5'W 25'L	LED	LED	34W, 6000L, 35K	120	O	NORDEON: BL6-3300K-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' BATHING HIGH OUTPUT	2.5'W 66.4'L	LED	LED	72W, 9000L, 35K	120	O	NORDEON: BL6-3300K-UNV-DX20-O-5.5-8L-DIM	SAME MOUNTING AS N1 REFER TO NOTE #4
N2E	LINEAR STRIP LIGHT 5.5' BATHING HIGH OUTPUT W/ EMERGENCY BACKUP MINIMUM OF 90 MIN	2.5'W 66.4'L	LED	LED	72W, 9000L, 35K	120	O	NORDEON: BL6-3300K-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	LED	LED	34W, 4000L, 35K	120	O	NORDEON: BL4-3300K-UNV-DP2-3.7-8L-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
N4	LINEAR STRIP LIGHT 3.7' DIFFUSED HIGH OUTPUT	2.5'W 44.25'L	LED	LED	34W, 4000L, 35K	120	O	NORDEON: BL6-3300K-UNV-DP2-3.7-8L-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
N5	LINEAR STRIP LIGHT 5.5' DIFFUSED HIGH OUTPUT	2.5'W 66.4'L	LED	LED	72W, 9000L, 35K	120	O	NORDEON: BL6-3300K-UNV-DP2-5.5-8L-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
N6	LINEAR STRIP LIGHT 5.5' DIFFUSED HIGH OUTPUT	2.5'W 66.4'L	LED	LED	72W, 9000L, 35K	120	O	NORDEON: BL6-3300K-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
N7	1.10" SINGLE SPOT MODULE	2.5" W 2.2" L	LED	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 2.2" L	LED	LED	28W, 3000L, 35K	120	O	NORDEON: SK-E 1-28W-935-WB-8L-D-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
N8	1.10" DOUBLE SPOT MODULE	2.5" W 2.2" L	LED	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 2.2" L	LED	LED	45W, 2X 3000L, 35K	120	O	NORDEON: SK-E-2-45W-935-WB-8L-D-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 +8'-5" A.F.F. UNLESS OTHERWISE NOTED REFER TO NOTE #3
EX-82	UNIVERSAL EXIT - (CLG MTD) STENCIL FACE WITH RED LETTERS	N/A	SP/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
EX-M	EXTERIOR EMERGENCY UNIT - SELF CONTAINED BATTERY AND CHARGER FOR 90 MIN. OPERATION	10.5" H 6.5" W 3.75" D.	WL	O	(2) #W	120	N	CREE: EMDECCS	PAINTED PLATINUM SILVER SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT REFER TO NOTE #3

FIXT. NO.	DESCRIPTION	FIXT. SIZE	MTG.	LAMPS		VOLTS/ BLS TYPE	L/L	MANUFACTURER	REMARKS
				TYPE	QUANTITY & SIZE				
L21	EXTERIOR WALL PACK	48"H 3.8" D. 12" W.	WL	LED	42W, 57K	120-277V	O	CREE: XSPW-A-03-M-C-U-CS-P	PAINT PLATINUM SILVER FROM FACTORY. INTEGRAL PHOTOCELL - PRE-DRILLED WEATHER PROTECTIONS - SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT REFER TO NOTE #3
L22	CANOPY/ SOFFIT SQUARE	15" SQ X 2" H	RE	LED	43W, 57K	120-277V	O	CREE: CPV250-A-15-C-U-CS	WET LOCATION RATING. PAINT PLATINUM SILVER FROM FACTORY. PROVIDE CANOPY MOUNTING PLATE REFER TO NOTE #3
L23	EXTERIOR WALL SCENCE	15"H 10" D. 16" W.	WL	LED	15W, 1000L, 30K	120	G	CREE: AL42WL-15-UD-G-120	PAINT SILVER W/GRAY BAND FROM FACTORY - SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT - PROVIDE FIXTURE WITH UP-DOWN LIGHT REFER TO NOTE #3
L24	EXTERIOR ACCENT CYLINDER	18"H 6" W.	WL	LED	30K	120	O	PROGRESS: P3642 82/30K P8798-S1	PROVIDE FIXTURE WITH UP-DOWN LIGHT AND TOP COVER LENS FOR WET LOCATION LISTING - SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT REFER TO NOTE #5
L31	1 HEAD PARKING LOT LIGHT FIXTURE AND POLE								REFER TO NOTE #3 REFER TO NOTE #7
L32	2 HEAD PARKING LOT LIGHT FIXTURE AND POLE								REFER TO NOTE #3 REFER TO NOTE #7
L33	3 HEAD PARKING LOT LIGHT FIXTURE AND POLE								REFER TO NOTE #3 REFER TO NOTE #7
L34	4 HEAD PARKING LOT LIGHT FIXTURE AND POLE								REFER TO NOTE #3 REFER TO NOTE #7

WIRE TRUNK MOUNTING NOTES (SALES FLOOR - GROUND UP):

ALL FIXTURES SHALL BE POSITIONED PER THE DIMENSIONS ON DRAWING A-111.
SUSPENDED FIXTURE TRUNKS @ 12'-0" A.F.F. (UNLESS OTHERWISE NOTED) WITH SUPPLIED AIRCRAFT CABLE KITS AND SAMWAYS SCREWS TO ROOF DECK PER MANUFACTURERS RECOMMENDATIONS. IF FIXTURE RUN INTERFERES WITH A JOIST GRIDER ADJUST LOCATION OF ROW TO ALLOW IT TO RUN THROUGH THE WEB. COORDINATE WITH ALDI CONST. REPRESENTATIVE. REFER TO TRUNK 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.

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

Issued:	Date:
A Client Review Set	04/07/17
B Permit Set	04/07/17
C Bid Set	09/05/17
D	

Revisions:	Date:
1	
2	
3	
4	
5	
6	
7	
8	
9	

DO NOT SCALE PLANS
Copying, Printing, Software and other processes required to produce these prints from electronic or shrink the actual paper or layout. Therefore, scaling of this drawing may be inaccurate. Contact our consultants with any need for additional dimensions or clarifications.

ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229-1547
phone 614.898.7100
fax 614.898.7570

DRAWN BY: ZRD
REVIEWED BY: KFF/DED

Seal
PROFESSIONAL OF RECORD:
DANIEL E. DOWLER No. 0402054658
EXP. DATE: 02/28/2019

ALDI Inc.
1985 Old Union Church Road
Salisbury, NC 28146
1/241 642-0023
1/241 642-0078 fax

ALDI Inc. Store #: 161
VA Beach Blvd & Thalia
4220 Virginia Beach Blvd
Virginia Beach, VA 23452
Willis Wayside
Project Name & Location:

Schedules & Diagrams	
Drawing Name:	
Prototype Rls. 02/08/17	Project No. 40320-40
Type: RHSD-V7	
Scale: As Noted	Drawing No. E-102