

**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. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL WIRING AND CONNECTIONS AS REQUIRED TO CONTROL THE EQUIPMENT, LIGHTING AND WIRING DEVICES INDICATED.

- E1 CONTACTS FURNISHED WITH SWITCHES IN POWER-WALL ENCLOSURE.
- E2 FACTORY WIRED 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.

Lighting Control Diagram

LIGHTING LUMINAIRE SCHEDULE

<b>MOUNTING (MTC) KEY:</b> R- RECESSED SP- SPRINGED CL- CEILING SURFACE WL- WALL UC- UNDERCABINET CV- COVE PL- POLE O- OTHER (SEE REMARKS)	<b>LAMP TYPE KEY:</b> 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)	<b>LENS/COVER (LUC) KEY:</b> A- 1/2" ACRYLIC B- BLACK MULLIGROOVE C- CLEAR ALZAK D- PARABOLIC E- ... F- FRESNEL G- TEMPERED GLASS H- WALL WASHER I- KSH12, 12" ACRYLIC K19- KSH19, 15" ACRYLIC L- LOW REFLECTANCE ALUMINUM M- ... N- NONE O- OTHER (SEE REMARKS)
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FIXT. NO.	DESCRIPTION	FIXT. SIZE	MTC.	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: L58-80L-35K-10V L59003-L59001	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 8'L	O	LED	88W, 8000L, 35K	120	O	CREE: L58-80L-35K-10V-EB14 L59003-L59001	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: L54-40L-35K-10V	SAME MOUNTING AS TYPE L1
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: L54-40L-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
L3	DO NOT USE								
L4	TROFFER	2'-0" x 4'-0"	RE	LED	44W, 4000L, 35K	120	O	CREE: 3R24-40L-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: 3R24-40L-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: EMT44101G/A19-60W-27K	POURED AND GASKETED. GLASS BEZEL METAL GUARD. WALL MOUNTED. REFER TO NOTE #3
L7	DOCK LIGHT		WL	LED	18W, 1500L, 30K	120	O	CREE: DUAL ARM 4000K PAR38-18W-30K-27D	DUAL ARM 4000K PAR38-18W-30K-27D. ACCEPTABLE FOR OUTDOOR USE. REFER TO NOTE #3
L8	DO NOT USE								
L9	DO NOT USE								
L10	WET LOCATION LINEAR	51.8" L 6.5" W 4.3" H	O	LED	43W, 3900L, 35K	120	O	CREE: L138-51Z-WH-3	TURN FIXTURES OVER TO REFRIGERATION CONTRACTOR FOR INSTALLATION IN WALK-IN COOLER/FREEZER AREAS. REFER TO NOTE #3
L11	2 LOW-PROFILE LINEAR COVE LUMINAIRE	24.3" L 1.13" W 1.0" H	O	LED	15.9W, 1500L, 30K	120	O	CREE: L138-51Z-WH-3	MOUNT FIXTURES ABOVE MULTIDECK UNITS ON GC INSTALLED HAT CHANSELS W/ FIXTURE FURNISHED MOUNTING CLIPS. PROVIDE ONE (1) 1500W 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	RECESSED CAN		RE	LED	26W, 1700L, 35K	120	O	CREE: L138-51Z-WH-3	VERIFY TRIM AND BEZEL COLOR OPTIONS WITH ALD. REP. AND LTC. SUPPLIER PRIOR TO ORDER RELEASE
L13E	4 RECESS CAN W/EMERGENCY		RE	LED	26W, 1700L, 35K	120	O	1114-RD-31M19-20LM-35K-83-560-120-REF-XX-JY-EM12	REFER TO NOTE #3
N1	LINEAR STRIP LIGHT 3.7' BATHING HIGH OUTPUT	2.5'W 44.25" L	LED	LED	54W, 6000L, 35K	120	O	NORDECON: 814-3900K-3HV-D420-3.7-B-DIM	MOUNTS INTO WIRE TRUNK. REFER TO WIRE TRUNK MOUNTING NOTES. REFER TO NOTE #4
N2	LINEAR STRIP LIGHT 3.7' BATHING HIGH OUTPUT	2.5'W 44.25" L	LED	LED	72W, 9000L, 35K	120	O	NORDECON: 819-3900K-3HV-D420-3.7-B-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
N2E	LINEAR STRIP LIGHT 3.7' BATHING HIGH OUTPUT W/ EMERGENCY BACKUP MINIMUM OF 90 MIN OPERATION	2.5'W 44.25" L	LED	LED	72W, 9000L, 35K	120	O	NORDECON: 819-3900K-3HV-D420-3.7-B-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	2.5'W 44.25" L	LED	LED	34W, 4000L, 35K	120	O	NORDECON: 814-3900K-3HV-DP2-3.7-BL-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
N3H	LINEAR STRIP LIGHT 3.7' DIFFUSED HIGH OUTPUT	2.5'W 44.25" L	LED	LED	54W, 6000L, 35K	120	O	NORDECON: 814-3900K-3HV-DP2-3.7-BL-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
N4	LINEAR STRIP LIGHT 5.5' DIFFUSED HIGH OUTPUT	2.5'W 66.4" L	LED	LED	72W, 9000L, 35K	120	O	NORDECON: 819-3900K-3HV-DP2-5.5-BL-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
N4E	LINEAR STRIP LIGHT 5.5' BATHING HIGH OUTPUT W/ EMERGENCY BACKUP MINIMUM OF 90 MIN OPERATION	2.5'W 66.4" L	LED	LED	72W, 9000L, 35K	120	O	NORDECON: 819-3900K-3HV-DP2-5.5-BL-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	LED	34W, 4000L, 35K	120	O	NORDECON: 814-3900K-3HV-WW-3.7-BL-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
N5H	LINEAR STRIP LIGHT 3.7' WALLWASH HIGH OUTPUT	2.5'W 44.25" L	LED	LED	54W, 6000L, 35K	120	O	NORDECON: 814-3900K-3HV-WW-3.7-BL-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	LED	72W, 9000L, 35K	120	O	NORDECON: 819-3900K-3HV-WW-5.5-BL-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
N7	1.10' SINGLE SPOT MODULE	2.5'W 22" L	LED	LED	28W, 3000L, 35K	120	O	NORDECON: 3K-E-2-45W-935-WB-BL-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
H7D	1.10' SINGLE SPOT MODULE W/ DIFFUSER	2.5'W 22" L	LED	LED	28W, 3000L, 35K	120	O	NORDECON: 3K-E-2-45W-935-WB-BL-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
H8	1.10' DOUBLE SPOT MODULE	2.5'W 22" L	LED	LED	45W, 2X 3000L, 35K	120	O	NORDECON: 3K-E-2-45W-935-WB-BL-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
H8D	1.10' DOUBLE SPOT MODULE W/ DIFFUSER	2.5'W 22" L	LED	LED	45W, 2X 3000L, 35K	120	O	NORDECON: 3K-E-2-45W-935-WB-BL-DIM	SAME MOUNTING AS N1. REFER TO NOTE #4
BX-81	UNIVERSAL EXIT - (WALL MTD) STENCIL FACE WITH RED LETTERS	N/A	WL	LED	3.6W	120	N	CREE: BLP000102	BACK MOUNT ON WALL. BATTERY AND CHARGER FOR 90 MIN. OPERATION. MOUNT 18'-6" A.F.F. UNLESS OTHERWISE NOTED. REFER TO NOTE #3
BX-82	UNIVERSAL EXIT - (CLG MTD) STENCIL FACE WITH RED LETTERS	N/A	SP/CL	LED	3.6W	120	N	CREE: BLP000102	CEILING OR STEM MOUNT. MOUNTING HEIGHT AS NOTED. BATTERY AND CHARGER FOR 90 MIN. OPERATION. REFER TO NOTE #3
BX-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: BA026CCS	PAINTED PLATINUM SILVER. SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT. REFER TO NOTE #3

**NOTES:**

- 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 IN COORDINATION WITH CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURER LISTED IS THE BASIS OF DESIGN.
- ALL LAMPS FOR THIS PROJECT SHALL BE FURNISHED BY MANUFACTURER WITH FIXTURES AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
- FOR NATIONAL ACCOUNTS PRICING CONTACT MIKE KREMER @ CREELIGHTING MIKE.KREMER@CREE.COM PHONE: 262-504-5057
- NORDECON 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 CLAIM. AFTER 5 DAYS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES AND ADDITIONAL FIXTURES REQUIRED TO ACHIEVE LAYOUT SHOWN.
- FOR NATIONAL ACCOUNTS PRICING CONTACT KEN BLUDER @ FACILITY SOLUTIONS GROUP KEN.BLUDER@FSG.COM PHONE: 630-773-8100
- 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. FIXTURE SHALL BE ORDERED BY MODEL NUMBER AND MANUFACTURER NOT BY ID NUMBER. VERIFY SITE LIGHTING FIXTURE TYPES AND LOCATIONS WITH FINAL SITE PLANS.
- FIXTURE AND POLE SPECIFICATION SHALL BE VERIFIED WITH FINAL SITE PLANS AND ENGINEER FOR LOCAL REQUIREMENTS. ALDI REPRESENTATIVE SHALL APPROVE POLE HEIGHT.

E. MATCH NEW SITE POLES WITH EXISTING.

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 SAMMYS SCREWS TO ROOF DECK PER MANUFACTURERS RECOMMENDATIONS. IF FIXTURE RUNS INTERFERES WITH A JOIST GRINDER ADJUST LOCATION OF ROW TO ALLOW IT TO RUN THROUGH THE WEB. COORDINATE WITH ALD. CONSR. REPRESENTATIVE REFER TO TRUNK LAYOUT DRAWING FROM NORDECON 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 UNISTRIP ATTACHED AND SECURED TO TOP OF THE BOTTOM CHORD OF JOIST WITH SUPPLIED AIRCRAFT CABLE KITS ATTACHED TO UNISTRIP AT 12'-0" AFF.

WIRE TRUNK MOUNTING NOTES (SALES FLOOR - REMODEL):

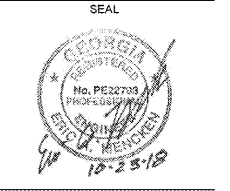
ALL FIXTURES SHALL BE POSITIONED PER THE DIMENSIONS ON DRAWING A-111.  
FIRST ASLE FIXTURES TRUNKS SHOULD BE MOUNTED AT A CONSISTENT HEIGHT AND AS HIGH AS POSSIBLE TO A MAXIMUM HEIGHT OF 13'-6". ALL OTHER SALES FLOOR LIGHTING SHALL BE MOUNTED WITH THE FOLLOWING CLARIFICATION: IDENTIFY THE LOWEST POINT OF THE LOWEST EXISTING JOIST ROOF DECK IN V.I.D STORES IS A WARP DECK SLOPING IN TWO DIRECTIONS. THE LOWEST POINT SHALL BE USED TO DETERMINE THE FIXTURE MOUNTING HEIGHT FOR THE REMAINDER OF THE SALES AREA. FIXTURE RUNS EXISTING ROOF JOISTS SHALL BE USED TO ESTABLISH THIS ELEVATION. NOT WIDE FLANGE BEAM (I-BEAM) OR POST CORNER. IF FIXTURE RUNS INTERFERES WITH A JOIST GRINDER ADJUST ELEVATION OF ROW TO ALLOW IT TO RUN THROUGH THE WEB. IF FIXTURE RUNS INTERFERES WITH A WIDE FLANGE BEAM (I-BEAM), INSTALL FIXTURES ON EACH SIDE OF BEAM AS CLOSE TO BEAM AS POSSIBLE AND LEAVE A GAP IN THE RUN. COORDINATE WITH ALD. CONSR. REPRESENTATIVE. MAXIMUM FIXTURE MOUNTING HEIGHT IS 13'-6".  
SUPPORT FIXTURE TRUNKS WITH SUPPLIED AIRCRAFT CABLE KITS AND SAMMYS SCREWS TO ROOF DECK PER MANUFACTURERS RECOMMENDATIONS. REFER TO TRUNK LAYOUT DRAWING FROM NORDECON 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.

WIRE TRUNK MOUNTING NOTES (SALES FLOOR - RETRO FIT):

ALL FIXTURES SHALL BE POSITIONED PER THE DIMENSIONS ON DRAWING A-111.  
BUILDINGS WITH HIGH ROOF STRUCTURES FIXTURE RUNS SHALL BE MOUNTED AT A CONSISTENT HEIGHT THROUGHOUT THE SALES FLOOR WITH A MOUNTING HEIGHT OF 13'-6" A.F.F.  
FOR ROOF STRUCTURES WITH THE LOW POINT LESS THAN 14'-0" IDENTIFY THE LOWEST POINT OF THE LOWEST EXISTING JOIST. THIS POINT SHALL BE USED TO DETERMINE THE FIXTURE MOUNTING HEIGHT FOR THE STORE. FIXTURE RUNS WITHIN THE SALES FLOOR SHALL BE MOUNTED AT A CONSISTENT HEIGHT. EXISTING ROOF JOISTS SHALL BE USED TO ESTABLISH THIS ELEVATION. NOT WIDE FLANGE BEAM (I-BEAM) OR POST CORNER. IF FIXTURE RUNS INTERFERES WITH A JOIST GRINDER ADJUST LOCATION OF ROW TO ALLOW IT TO RUN THROUGH THE WEB. IF FIXTURE RUNS INTERFERES WITH A WIDE FLANGE BEAM (I-BEAM), INSTALL FIXTURES ON EACH SIDE OF BEAM AS CLOSE TO BEAM AS POSSIBLE AND LEAVE A GAP IN THE RUN. COORDINATE WITH ALD. CONSR. REPRESENTATIVE.  
SUPPORT FIXTURE TRUNKS WITH SUPPLIED AIRCRAFT CABLE KITS AND SAMMYS SCREWS TO ROOF DECK PER MANUFACTURERS RECOMMENDATIONS. REFER TO TRUNK LAYOUT DRAWING FROM NORDECON 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.



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ALDI FOOD STORE # 61  
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REVISIONS

PROJECT DATA  
V1.07 100x155 LW Expansion  
PROJECT NUMBER  
18412  
ISSUE DATE  
10-25-18

ALDI FOOD STORE #61  
Smyrna, GA



E-102

LIGHTING SCHEDULES

Order Plans

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