

CONSTRUCTION ADVISORY

14-06 Issued 12-31-13 Revised 1-7-14

Subject: Power Relocation for New Cash Wraps

To: All Developers, General Contractors, Architects and Construction Project Managers.

High Importance: REVISED for openings Starting with January 30, 2014 openings

Issue: Return trips to install power poles at the cash wraps

Resolution: Family Dollar has eliminated the use of power poles with the new cash wraps.

Action Required:

1. In the location indicated by the revised floor plans, the General Contractor will attach to the wall a 2" conduit from Floor to 6" below the deck or above the ceiling grid. The base of the conduit will have a 6"x6" Gang Box. This is to provide the low voltage contractor a chase to pull up to 16 Cat-5 cables thru.
2. The General Contractor will install, as required to meet local code, conduit runs from the current power pole J-boxes to new J-Box(es) at the location indicated on the revised fixture plans. J-Box(es) are to be mounted 6" A.F.F.
3. The conduits are to be strapped to the wall and painted Friendly Yellow.
4. The General Contractor's Electrician will install whips using the following schedule:
 - a. Two new IG Whip with two circuit leads will be wired.
 - i. On one whip wire circuit one for Register A
 - ii. On other whips wire circuit two for Register B and if needed Register C
 - b. Using the brown whip that has a single hot lead, wire the circuit for the ice cream box, using a Sharpie label the whip "Ice Cream". These are to be installed, even if the store is currently not scheduled to receive an Ice Cream box.
 - c. Using the brown whip with three circuit leads wire the circuit for the cash wrap power distribution. Using a Sharpie, label this connector cash wrap. The power distribution box will separate the power as it goes down the chain. If the store only has two registers, wire circuits one and two.
 - d. Install a dedicated IG duplex in the same location for the Manager's Work Station.
5. All loads still remain 20 amps
6. The Store Opening crew will install a pancake chase over the power and low voltage wire runs between the wall and cash wraps.
7. The Power Distribution boxes will come with the Cash Wraps, they will be built into the Cash Wrap by the Store Development Project Managers.
8. Due to technical corrections, Stores that open Jan 16, 2014 and Jan 23, 2014 will not receive whips, the electrician will have to hard wire the whips in the J-box(es). Stores that open after that date should have the whips available.
9. Power is to be relocated no later than the Monday prior to the Store Development Project Managers arriving. Until the whips arrive onsite prior to the Cash Wraps, the electrician will need to be on site Wednesday to make final connections to the Cash Wraps so that they are energized by Noon.
10. On sites that the Drywall is not installed yet, please route all additional conduit behind the drywall.

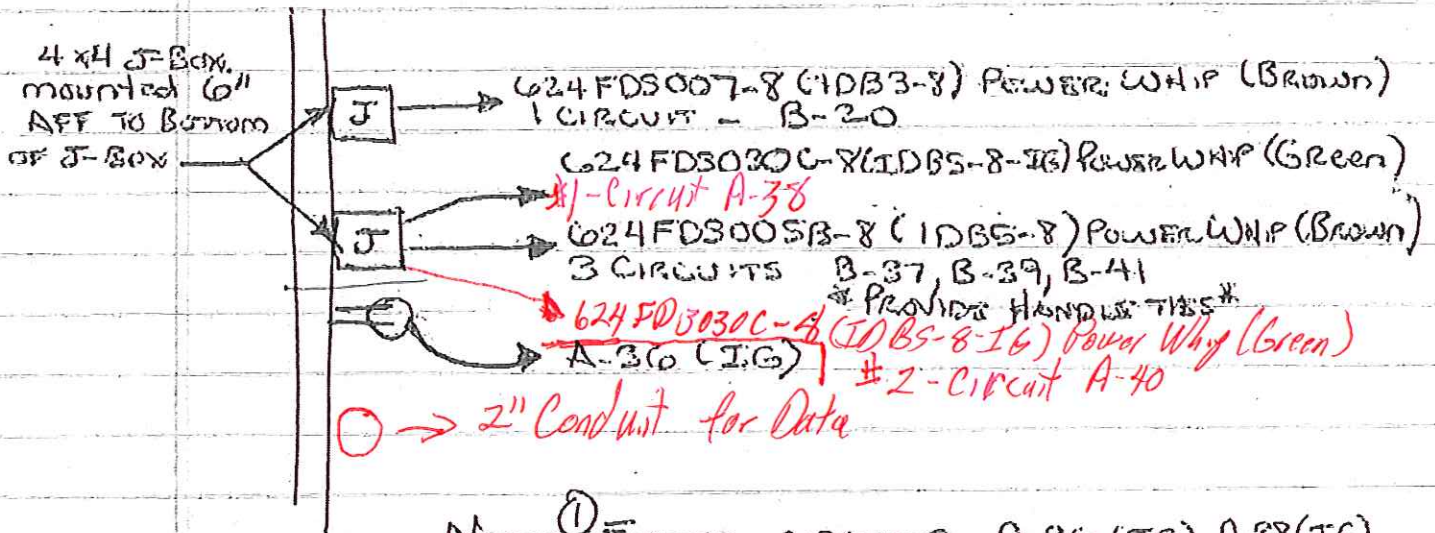
Attachments: D&P guide, Single Line notes and Cross sections

Please contact your Family Dollar Construction Project Manager with any further questions.

Contact: Bryon Scott, Family Dollar Construction Department
P.O. Box 1017, Charlotte, NC 28201 * 704-708-1654
E-mail: bscott1@familydollar.com

Revised

New Cash Wrap Power - 1-30-14



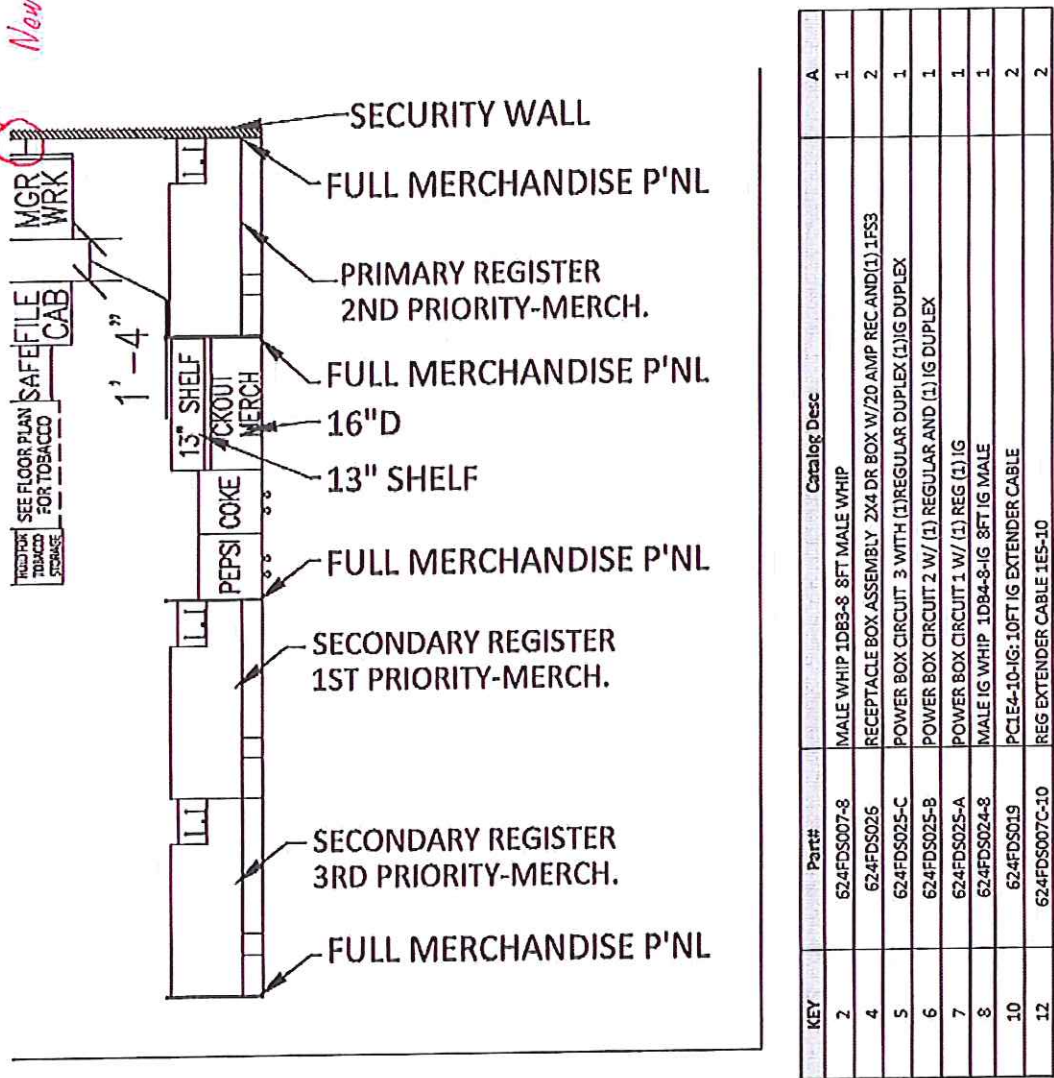
NOTE: ① EXTEND CIRCUITS A-36 (IG), A-38 (IG)
AND A-40 (IG) FOR EXISTING J-BOXES
AT CEILING TO NEW WALL J-BOX.

② EXTEND CIRCUIT B-20 FOR EXISTING
J-BOX AT CEILING TO NEW WALL J-BOX.

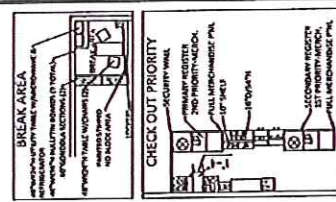
③ PROVIDE NEW 20A CIRCUITS,
B-37, B-39 & B-41

④ PROVIDE HANDLE TIES FOR
CIRCUIT BREAKERS THAT HAVE A
SHARED NEUTRAL. (Brown circuit only)

Location of New Power



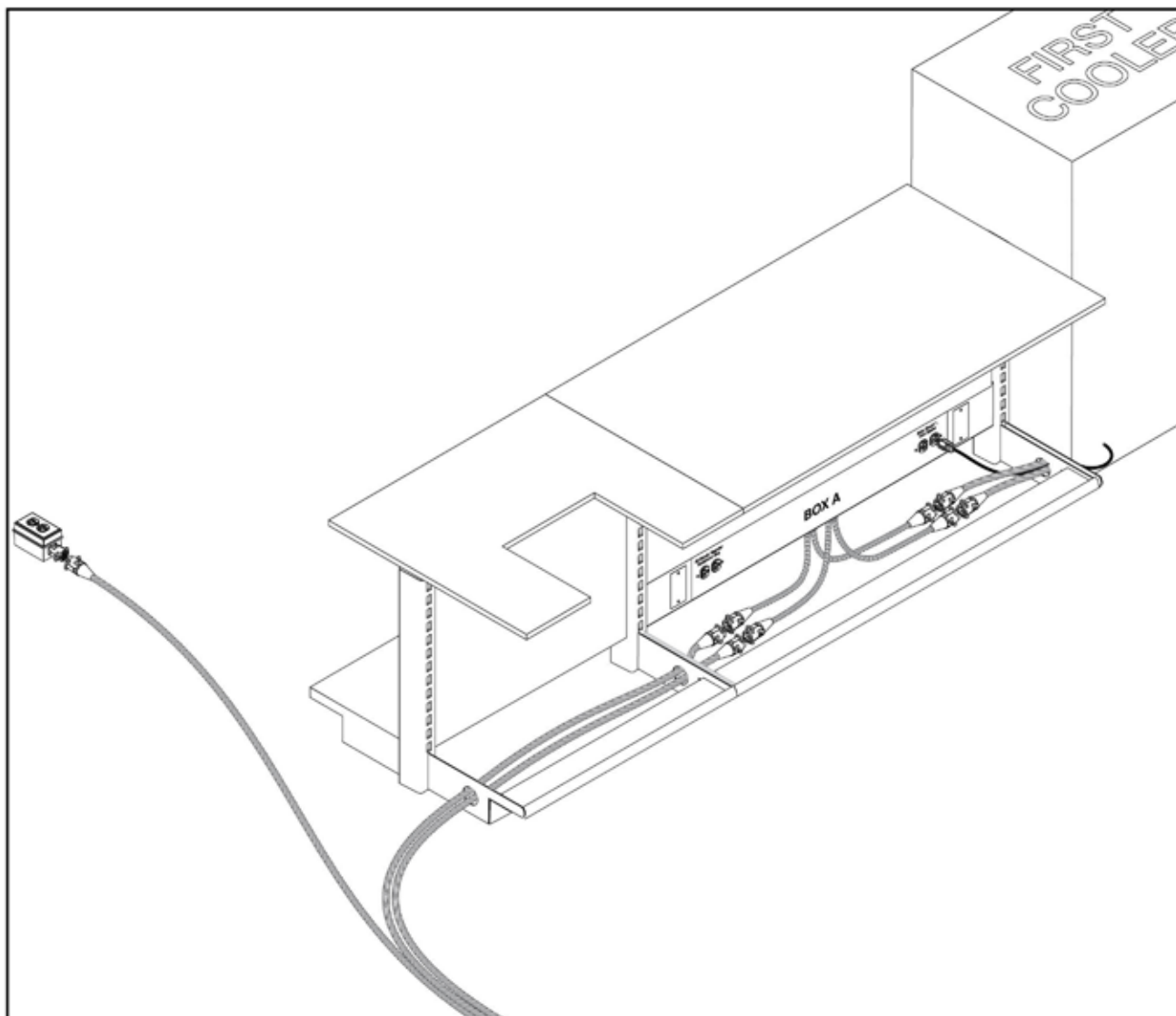
KEY	Model Number	Part#	Catalog Desc	A
2	624FDS007-8		MALE WHIP 1DB3-8 8FT MALE WHIP	1
4	624FDS026		RECEPTACLE BOX ASSEMBLY 2X4 DR BOX W/20 AMP REC AND(1) 1F33	2
5	624FDS025-C		POWER BOX CIRCUIT 3 WITH (1)REGULAR DUPLEX (1)IG DUPLEX	1
6	624FDS025-B		POWER BOX CIRCUIT 2 W/ (1) REGULAR AND (1)IG DUPLEX	1
7	624FDS025-A		POWER BOX CIRCUIT 1 W/ (1) REG (1)IG	1
8	624FDS024-8		MALE IG WHIP 1DB4-8-IG 8FT IG MALE	1
10	624FDS019		PC1E4-10-IG: 10FT IG EXTENDER CABLE	2
12	624FDS007C-10		REG EXTENDER CABLE 1E5-10	2



POWER POLE LIST		
TYPE	ITEM #	QTY
CARDOUT - 15'	8029509	2
APP. STATION - 15'	8029509	1
PRICE COB - 15'	8029509	0
ANGLE - 8"	8029487	2
CODE - 8"	8029487	1
PPPS-5'	8029487	1
ATM - 15'	8029509	0
ACR MARK STMT-15'	8029509	1

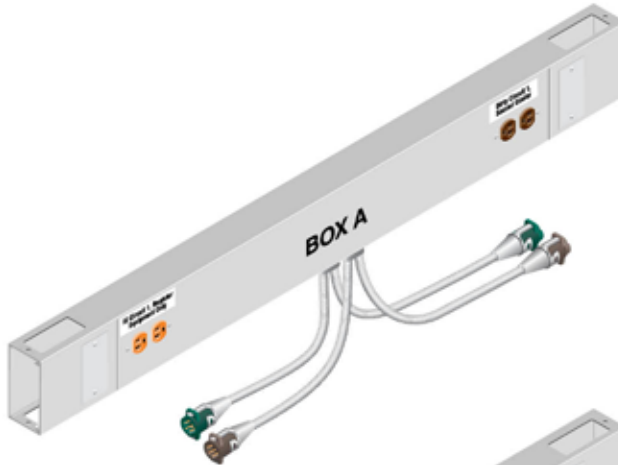
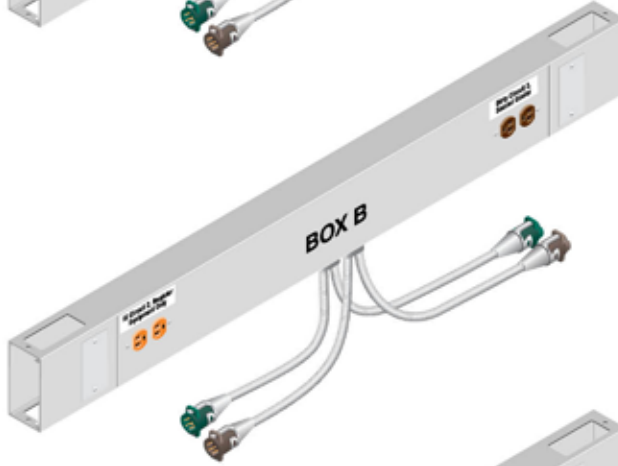
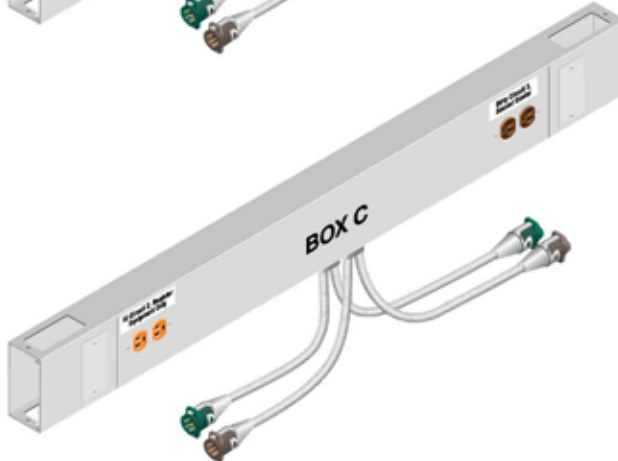
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Electrical Components Install Manual for Stores with Two I.G. Breaker Configuration



Modular Wiring Electrical Components Install Guide

To complete the install, the following parts are required.

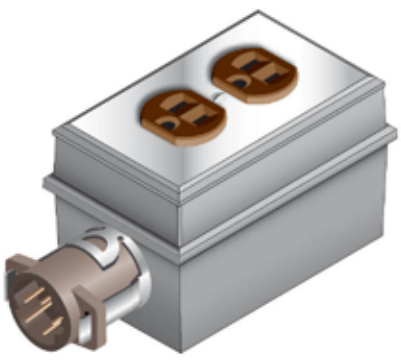
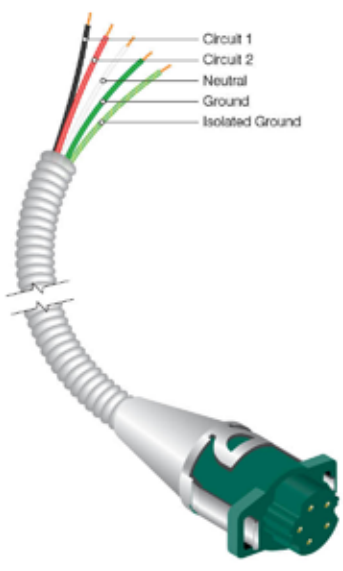
Description	Quantity	Image
ACLinx™ Power Box (A), extruded aluminum, labeled IG Circuit 1, Dirty Circuit 1 624FDS025-A	1	 A long, narrow, light gray extruded aluminum power box labeled 'BOX A'. It has two sets of green and brown wire terminals on the right side.
ACLinx™ Power Box (B), extruded aluminum, labeled IG Circuit 2, Dirty Circuit 2 624FDS025-B	1	 A long, narrow, light gray extruded aluminum power box labeled 'BOX B'. It has two sets of green and brown wire terminals on the right side.
ACLinx™ Power Box (C), extruded aluminum, labeled IG Circuit 2, Dirty Circuit 3 624FDS025-C	1	 A long, narrow, light gray extruded aluminum power box labeled 'BOX C'. It has two sets of green and brown wire terminals on the right side.



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Modular Wiring Electrical Components Install Guide

To complete the install, the following parts are required.


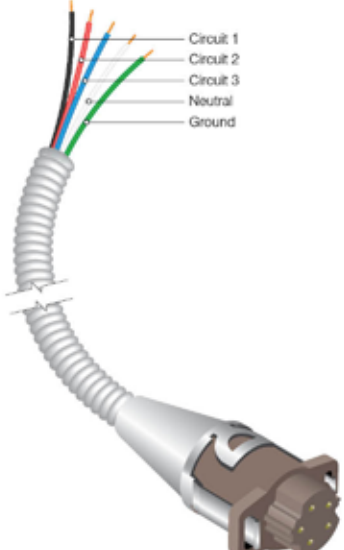
Description	Quantity	Image
ACLinx™ Duplex Box, Regular Power <i>624FDS026</i>	1	
ACLinx™ Power Whip, I.G. Power, 15-foot <i>624FDS030C-15</i> <i>(1DB5-15-IG)</i>	2	



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Modular Wiring Electrical Components Install Guide

To complete the install, the following parts are required.


Description	Quantity	Image
ACLinx™ Power Whip, Regular Power, 8-foot <i>624FDS007-8</i> <i>(1DB3-8)</i>	1	
ACLinx™ Power Whip, Regular Power, 8-foot <i>624FDS005B-8</i> <i>(1DB5-8)</i>	1	



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Modular Wiring Electrical Components Install Guide

To complete the install, the following parts are required.




Description	Quantity	Image
ACLinx™ Extender Cable, Regular Power, 4-foot <i>624FDS013</i> <i>(1E5-4)</i>	1	
ACLinx™ Extender Cable, Regular Power, 10-foot <i>624FDS007C-10</i> <i>(1E5-10)</i>	1	
ACLinx™ Extender Cable, Regular Power, 15-foot <i>624FDS014</i> <i>(1E5-15)</i>	1	



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Modular Wiring Electrical Components Install Guide

To complete the install, the following parts are required.

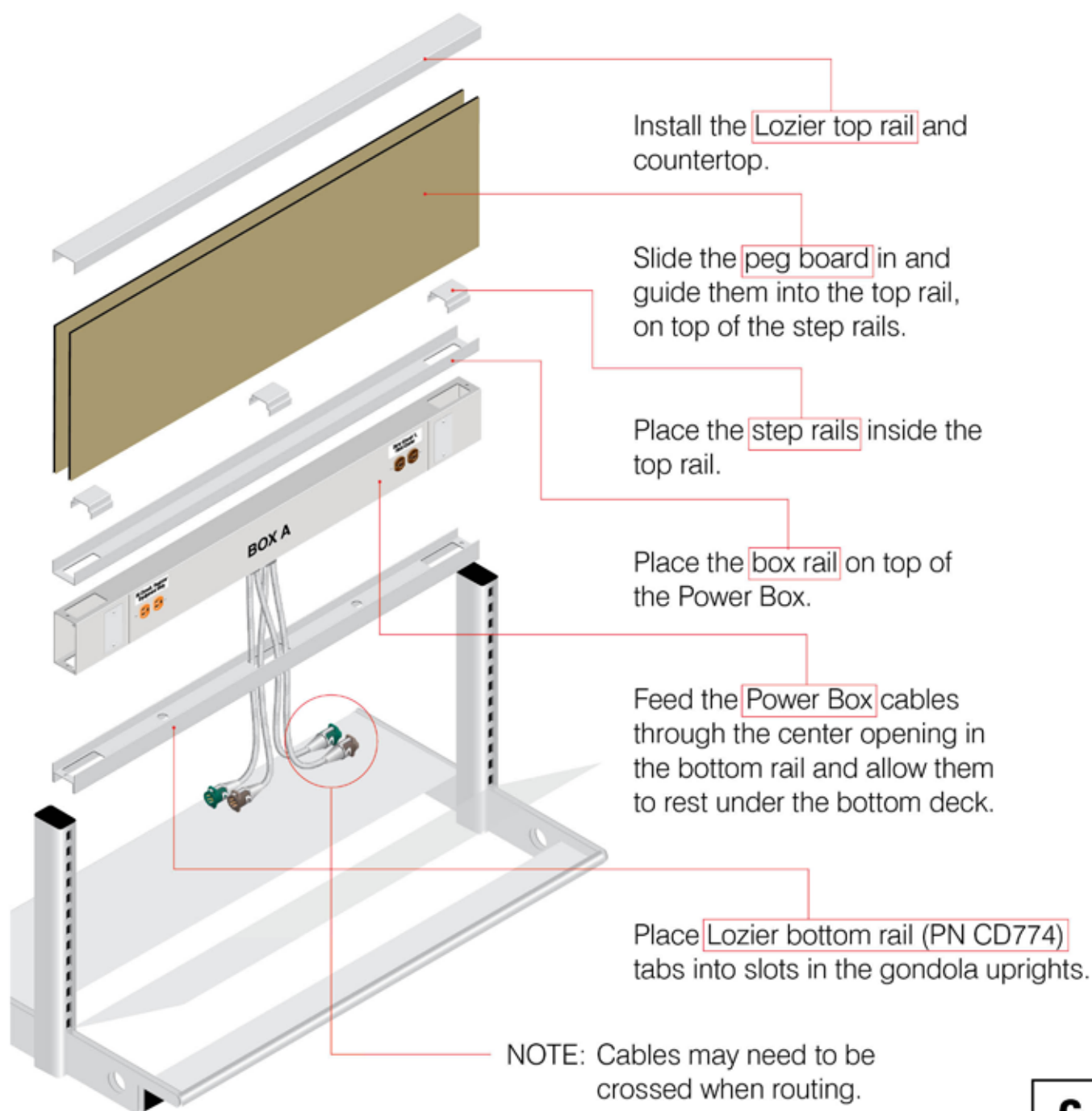
Description	Quantity	Image
ACLinx™ Extender Cable, I.G. Power, 4-foot <i>624FDS017-4</i> <i>(1E5-4-IG)</i>	1	
ACLinx™ Extender Cable, I.G. Power, 10-foot <i>624FDS017-10</i> <i>(1E5-10-IG)</i>	1	
ACLinx™ Extender Cable, I.G. Power, 15-foot <i>624FDS017</i> <i>(1E5-15-IG)</i>	1	



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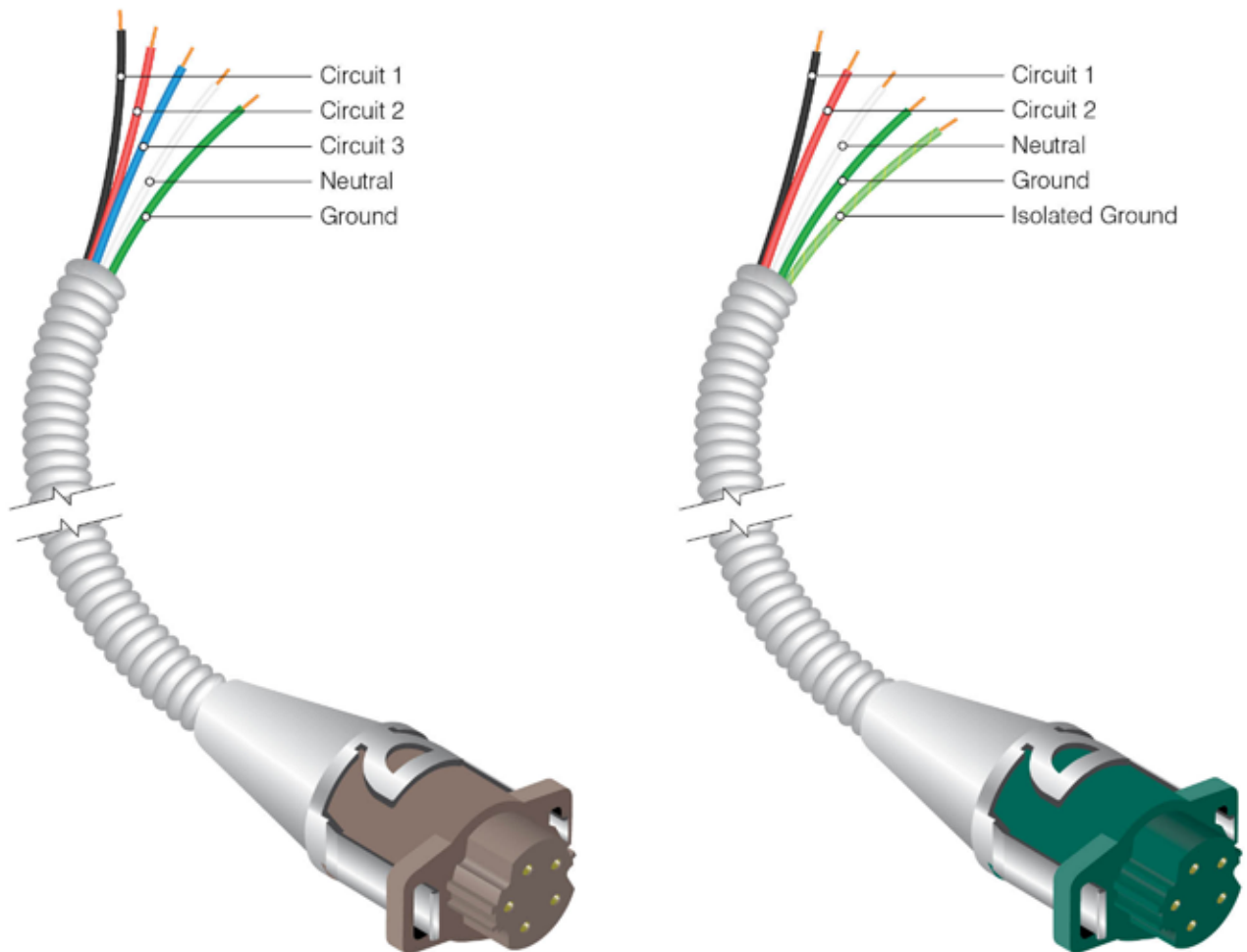
Modular Wiring Electrical Components Install Guide

IMPORTANT FIRST STEP: The Power Box must be installed in the gondolas at their initial assembly. It will not be possible to install the modular wiring without the Power Boxes first properly installed. Once assembled it will also be important to place the gondola/Power Box assemblies in the correct order on the floor with the Power Box A closest to the power source and the Power Box C the farthest out.



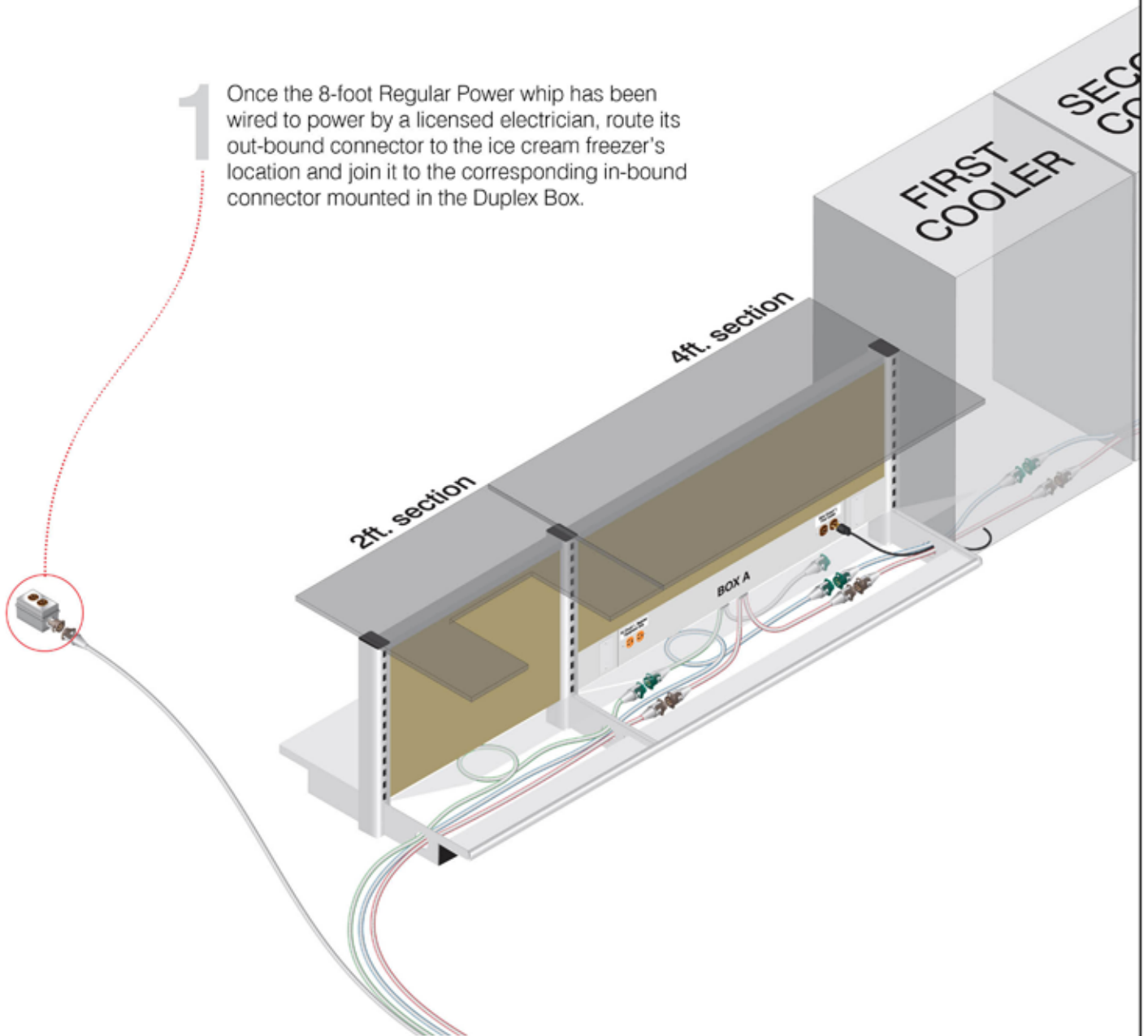
Modular Wiring Electrical Components Install Guide

Cable whips must be wired to power by an electrician.



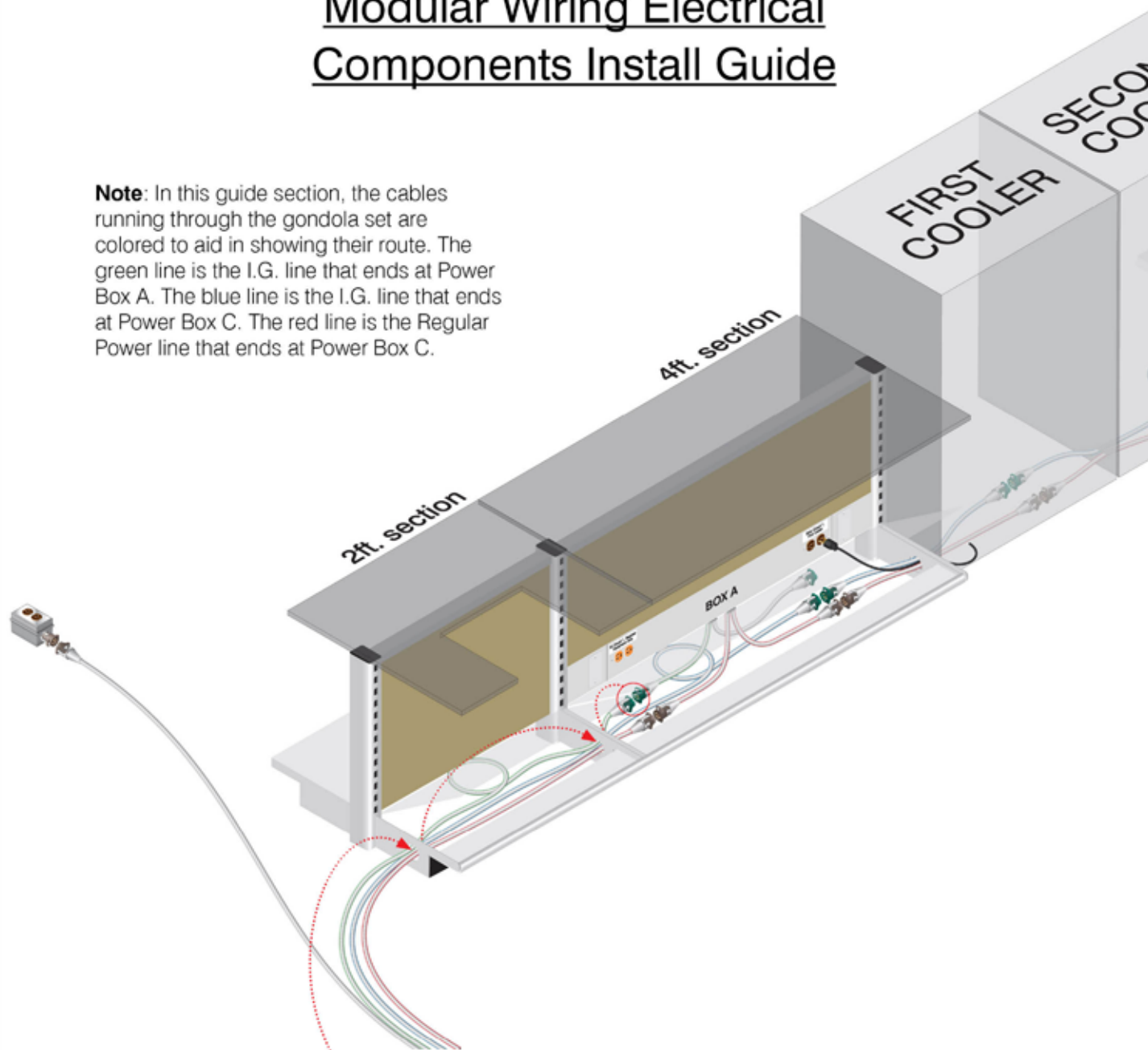
Modular Wiring Electrical Components Install Guide

- 1 Once the 8-foot Regular Power whip has been wired to power by a licensed electrician, route its out-bound connector to the ice cream freezer's location and join it to the corresponding in-bound connector mounted in the Duplex Box.



Modular Wiring Electrical Components Install Guide

Note: In this guide section, the cables running through the gondola set are colored to aid in showing their route. The green line is the I.G. line that ends at Power Box A. The blue line is the I.G. line that ends at Power Box C. The red line is the Regular Power line that ends at Power Box C.



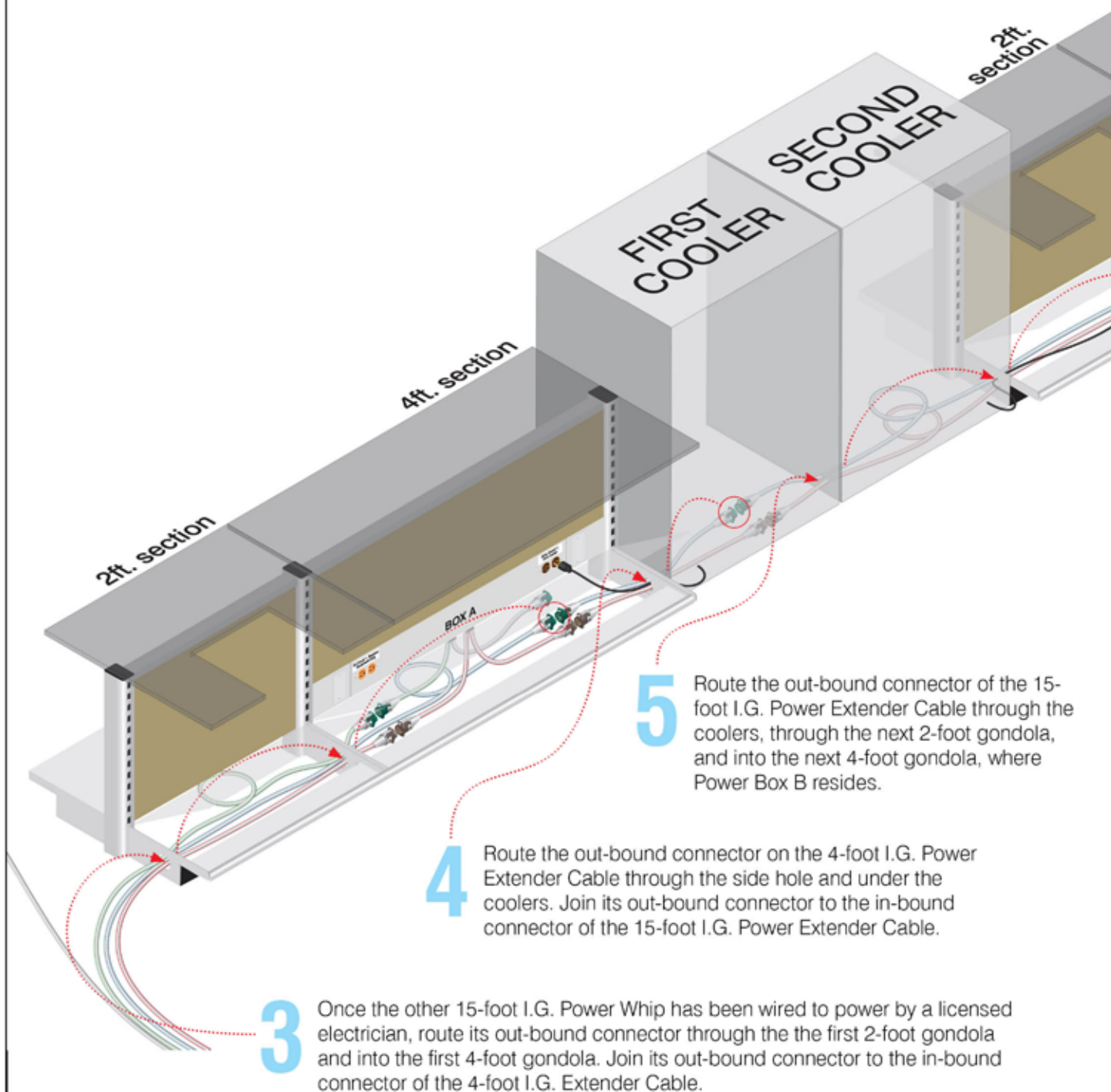
2

Once one of the the 15-foot I.G. Power Whips has been wired to power by a licensed electrician, route its out-bound connector through the first 2-foot gondola, and into the first 4-foot gondola, where Power Box A resides. Join that connector to the corresponding in-bound I.G. connector on Power Box A. This is the end of this line. The out-bound I.G. connector is left for possible later expansion.

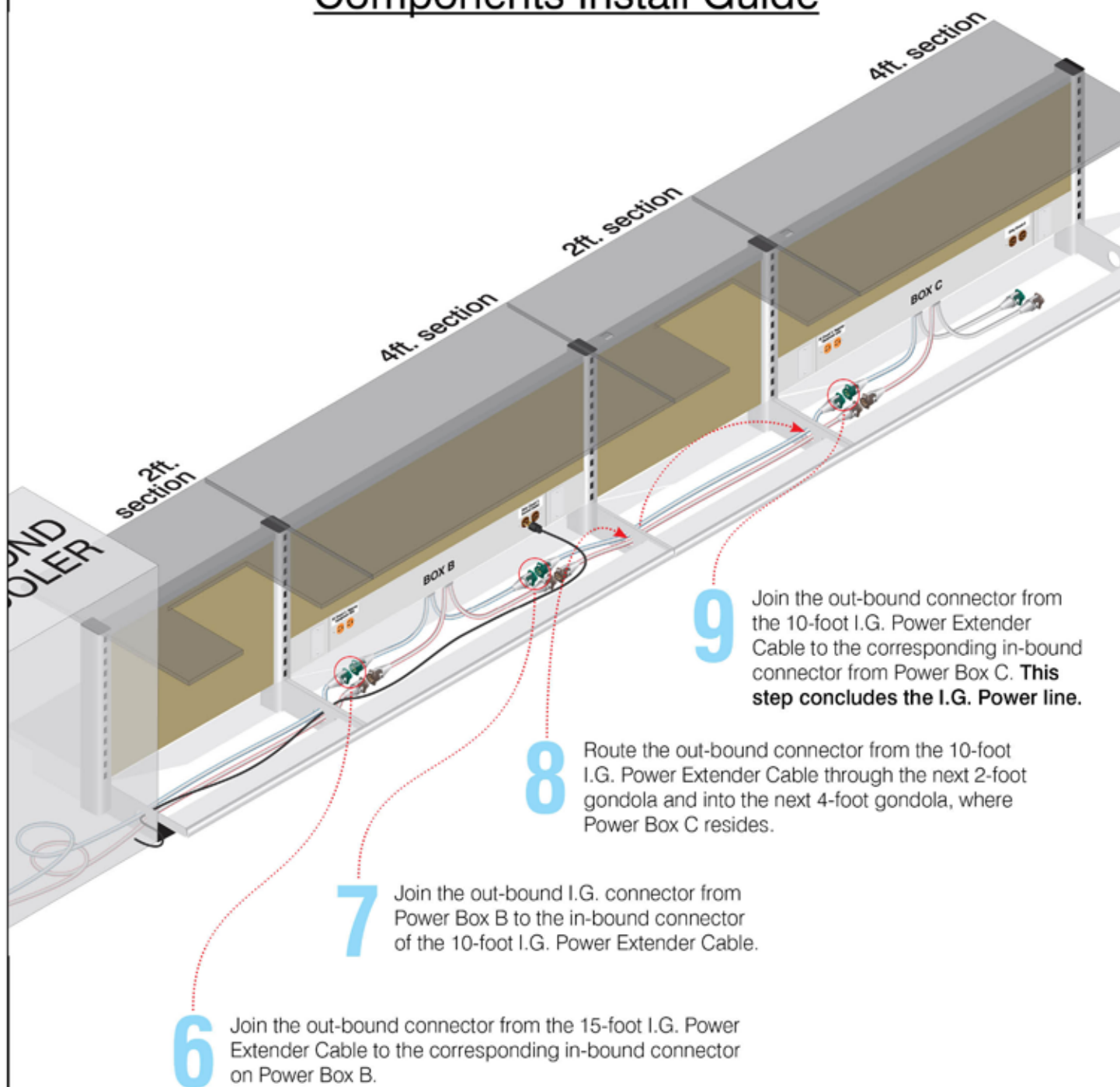


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Modular Wiring Electrical Components Install Guide

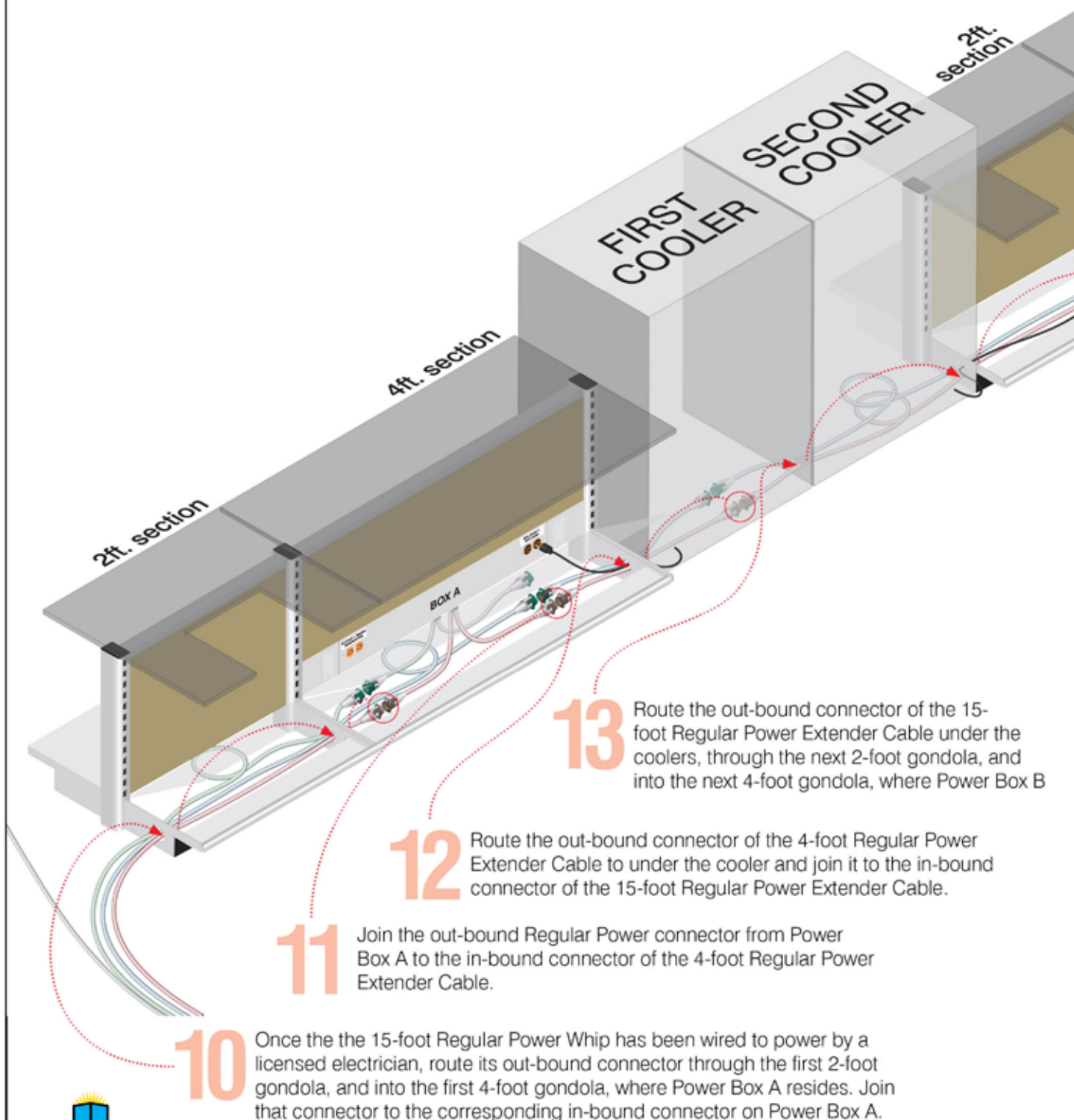


Modular Wiring Electrical Components Install Guide



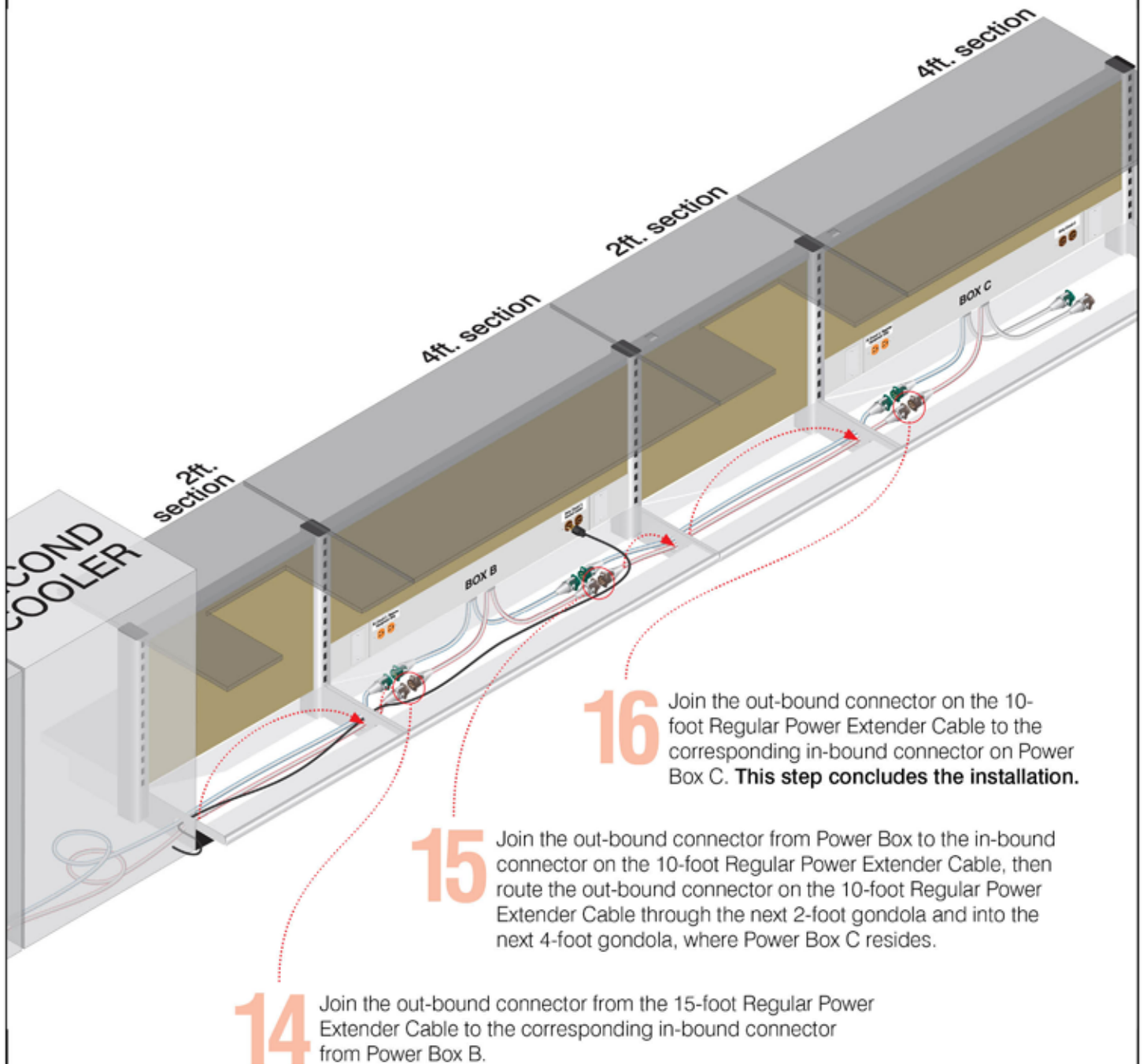
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Modular Wiring Electrical Components Install Guide



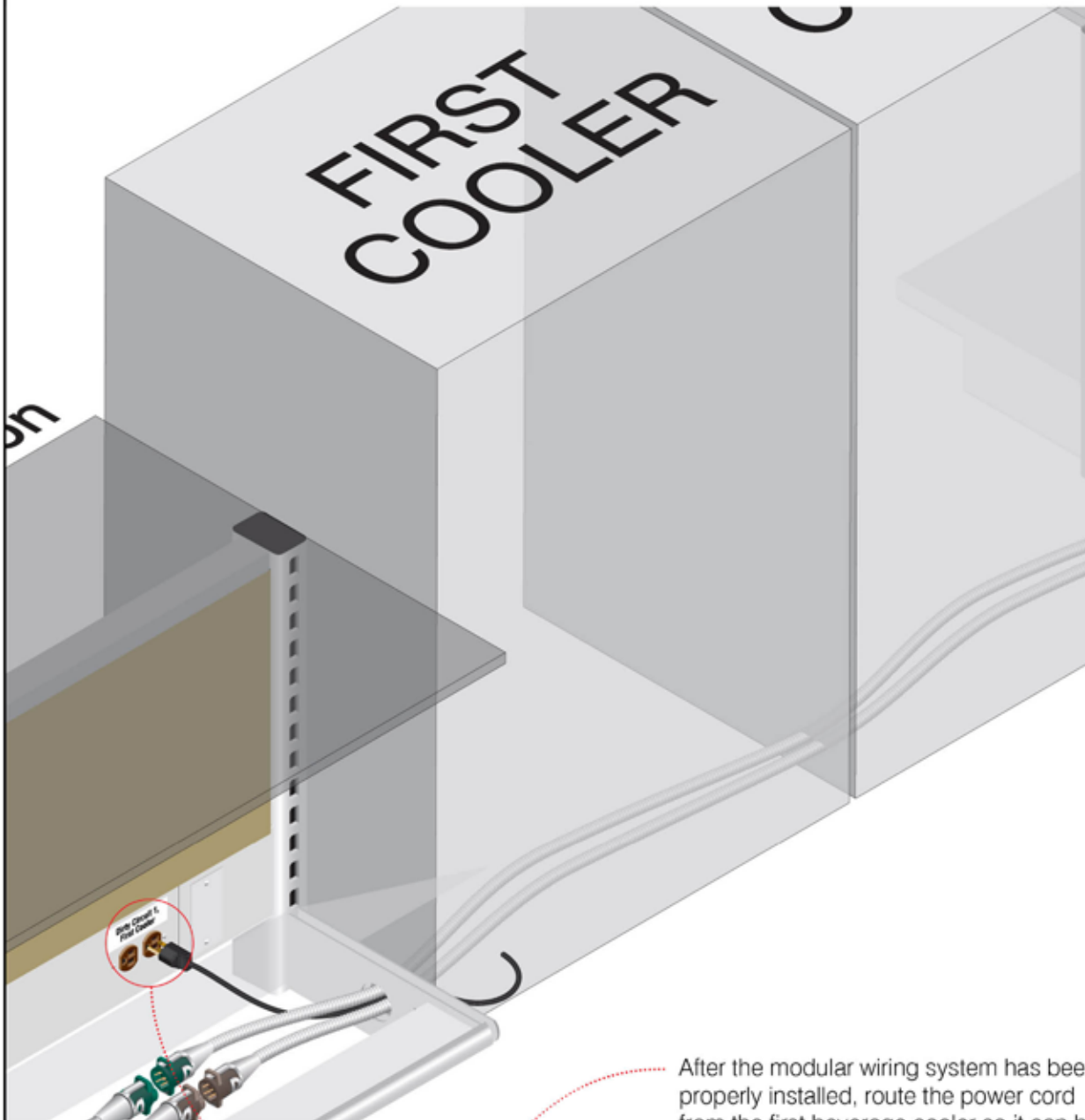
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Modular Wiring Electrical Components Install Guide



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Modular Wiring Electrical Components Install Guide Powering the Beverage Coolers - 1

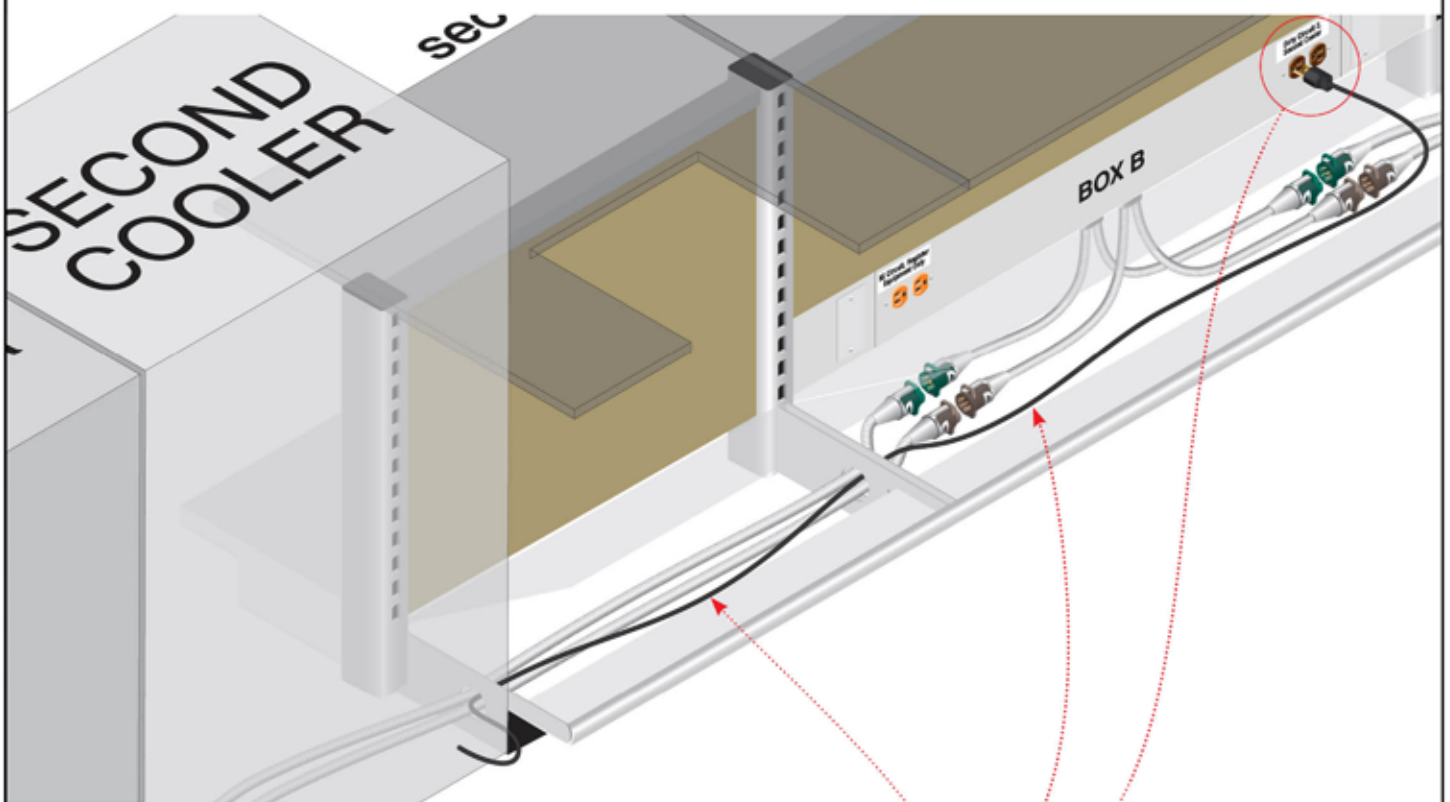


After the modular wiring system has been properly installed, route the power cord from the first beverage cooler so it can be plugged into the labeled regular-power duplex outlet in Power Box A.



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Modular Wiring Electrical Components Install Guide Powering the Beverage Coolers - 2



Then, route the power cord from the second beverage cooler so it can be plugged into the labeled regular-power duplex outlet in Power Box B.



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CONSTRUCTION ADVISORY

14-07 Issued 1-13-14

Subject: Family Dollar – Best Foot Forward

To: Developers, General Contractors, Architects, and Construction Project Managers.

High Importance: During implementation, not all locations will convert to the new process. Please verify with your Family Dollar Project Manager to verify the status of your store(s).

Issue: Not all stores will be opening with all key elements in place

Resolution: Family Dollar Store is implementing a key initiative called Best Foot Forward. As this relates to store construction, it puts the General Contractor back in charge of all sub-contractors during the construction phase allowing for a Certificate of Occupancies to be issued prior to handing the space over to Family Dollar. The exception will be those locations that require fixture and/or merchandising inspections prior to issuing a C of O.

Action Required:

1. *Realistic Possession Dates* must be provided to your Family Dollar Project Manager. Triggers for Family Dollar supplied material and other resources are based off of the possession date given to the Family Dollar Project Manager. Some triggers are moving from 6 weeks prior to possession to 6 months prior to possession.
2. The General Contractor will hire and coordinate installation of low voltage wiring using Family Dollar's closed spec vendors. (See Construction Advisory 14-05.1)
3. The General Contractor will coordinate landing up to 3 phone lines to the D-Mark. (See Construction Advisory 14-05.2)
4. The General Contractor will assemble the Family Dollar provided checkout counter (See Construction Advisory 14-05.3)
5. The General Contractor will hire and coordinate installation of the coolers, using Family Dollar's closed spec vendors. (See Construction Advisory 14-05.4)
6. The General Contractor will be point of contact for installation of Family Dollar's Data lines.
7. The General Contractor will make available lifts for installation of low voltage wiring.
8. The General Contractor will hand over the space to Family Dollar with a C of O.
 - a. If fixture/merchandise inspections are required a TCO will be accepted at possession.

Attachments: Gant Chart showing time line for new vendors, Construction Advisory 14-05.1 thru 14-05.4

Please contact your Family Dollar Construction Project Manager with any further questions.

CONSTRUCTION ADVISORY

14-07.1 issued 1-13-14

Subject: Low Voltage Wiring

To: Developers, General Contractors, Architects, and Construction Project Managers.

High Importance: Implement immediately, per schedule

Issue: Low voltage wiring permit not being closed out prior to Family Dollar Possession

Resolution: The General Contractor / Developer will hire Family Dollar closed spec vendors to install low voltage wiring.

Action Required:

1. Family Dollar Project Manager will provide the Developer / Architect with the assigned risk class at time deal is approved.
2. The Architect will include sheet LV-1.0 for Risk Class 0 thru 3 or LV-1.0 and LV-1.1 for risk class 4 locations in the permitted set of drawings
3. Two weeks prior to construction start, the Developer will confirm the risk class with the Family Dollar Project Manager
4. The General Contractor will install ½" at:
 - a. From top left edge of the automatic sliding door to turning out at the deck line for burglar alarm
 - b. From top left edge of the automatic sliding door to turning out at the deck line for CCTV
 - c. From top edge of non-swing side of all exterior doors to turning out at the deck line
 - d. From behind the cash wrap 6'a.f.f. with a duplex gang box to turning out at the deck line for the alarm control panel
5. The Developer / General Contractor will contact Family Dollar approved contractors no later than 10 weeks prior to possession to schedule installation times with vendors.
 - a. POS – Direct Source - Carrie Smith, 952-314-0405, csmith@directsource.com or
 - b. POS – Bailiwick – Amy Sampson, 952-556-3835, asampson@bailiwick.com or
 - c. POS – Staley Technologies – Michelle Hanson, 865-622-7674, michelle@staleyinc.com
 - d. Cameras Risk Class 0 -3 – Security Source – Jenna Rogoff, 978-284-2020
 - e. Cameras Risk Class 4 – I Verify – Kevin Keenan, 704-704-5532
 - f. Burglar Alarms – Bass Security – Kyle Angeloff – 888-774-3400
6. All Low Voltage work is to be completed no less than four weeks prior to Family Dollar possession
7. Prior to the Vendors arrival, the communication board, and permanent power are to be installed. Starting in April 2014 phone lines are to be installed.
8. Until further notice the router will be installed the first week of store fixtures set up.
9. To accommodate I-Verify equipment on Risk 4 locations, two 2 additional IG outlets and 4'x4' sheet of Fire Rated Plywood in the Manager's Office. The board is to be mounted on the short wall furthest from the office door. The board is mounted 5'0" a.f.f. to 9'0" a.f.f.
10. General Contractor will make a scissor lift available for the vendors on the day of the install
11. Each Low Voltage vendor should complete their work in one day and be ready for inspections at the end of the day. (Risk 4 locations will take 2 days for camera wiring.)
12. All vendors will terminate ends so inspections can be completed and return to make final installation during store set up.

Attachments: LV-1 and LV-2 sheets

Please contact your Family Dollar Construction Project Manager with any further questions.

Contact: Bryon Scott, Family Dollar Construction Department
P.O. Box 1017, Charlotte, NC 28201 * 704-708-1654
E-mail: bscott1@familydollar.com

CONSTRUCTION ADVISORY

14-07.2 Issued 1-13-14

Subject: Phone line installation on Ground Up locations

To: Developers, General Contractors, Architects, and Construction Project Managers.

High Importance: Implement Immediately on all Ground Up New locations opening after April 3, 2014

Issue: Not having phone and data lines installed prior to the store opening

Resolution: The General Contractor / Developer will order the phone line(s) and have them operational prior to issuing a Delivery Notice.

Action Required:

1. After the site is approved, Family Dollar determines the local telephone provider and issues a Work Flow in Accruent. This Work Flow will instruct the Developer which phone company to contact.
2. During plan review and prior to construction, the Developer /Architect will determine via communication with local fire officials if fire monitoring will be required. If monitoring is required, can the store's primary line act as the redundant phone line?
3. During plan review, the preliminary 911 address needs to be established from the local governing jurisdiction.
4. No later than six months prior to the projected Family Dollar possession date the Developer/ General Contractor will contact the approved Telephone Company to determine what facilities are available or if upgrades are needed. At the same time a preliminary phone number is requested. If Fire Monitoring is required a second line is to be ordered. (See attached specification sheet)
5. No later than six months prior to projected Family Dollar possession the preliminary phone number and preliminary 911 address is to be entered into Accruent Work Flow by the developer. (This will kick off Family Dollar's Data Provider search.)
6. Per FCC requirements permanent power is required prior to telephones being installed.
7. 90 days prior to the Family Dollar possession date the phone line can be turned on.
 - a. The phone line stays in the Developer's name until possession
 - b. The phone bill will be paid by Asentinel, on behalf of Family Dollar.
8. The Developer will verify phone number is the same as the preliminary number, if different Family Dollar Project Manager will need to be notified immediately.
9. An active phone line is now part of the Utility Survey and required for Delivery Notice (This will go live April, 2014)
10. At the time of installation and at Family Dollar possession the General Contractor will verify phone line(s) are operational
11. The Developer / General Contractor will provide access for the Data provider to complete their installation inside the facility.

Attachments: Phone specification sheet. Phone ordering template.

Please contact your Family Dollar Construction Project Manager with any further questions.

CONSTRUCTION ADVISORY

14-07.3 Issued 1-13-14

Subject: Cash Wrap installation

To: Developers, General Contractors, Architects, and Construction Project Managers.

High Importance: Implement Immediately, based on roll out schedule

Issue: Completing Low Voltage inspections prior to Family Dollar Possession

Resolution: The General Contractor / Developer will install the cash wraps prior to low voltage wire installation so that there is a place to land the wires.

Action Required:

1. Based on the projected Family Dollar possession, Family Dollar Procurement will order and ship the required cash wraps to arrive at the job site 6 weeks prior to possession.
2. The Power Distribution system will be delivered with the cash wraps.
3. Assembly Instructions will be provided both in this attachment and with the fixtures.
4. The General Contractor will assemble the cash wraps in the location provided on the latest fixture and hardware plan. Prior to construction the General Contractor should verify with the Family Dollar Project Manager that they are using the latest version.
5. The location for power has been moved from overhead to the exterior wall next to the cash wraps. (See Construction Advisory 14-06 issued 1-2-14)
6. The General Contractor will install the new power distribution system that goes into the cash wraps.
7. The General Contractor will install pancake strips, provided by Family Dollar from the wall to the cash wrap and behind the coolers.

Attachments: Checkout assembly instructions.

Please contact your Family Dollar Construction Project Manager with any further questions.



CONSTRUCTION ADVISORY

14-07.4 Issued 1-13-14

Subject: Cooler Installation

To: Developers, General Contractors, Architects, and Construction Project Managers.

High Importance: Implement Immediately, with stores opening on April 3, 2014

Issue: Timely installations and inspection of coolers prior to Family Dollar possession

Resolution: The General Contractor / Developer will permit and coordinate the installation of Family Dollar provided coolers

Action Required:

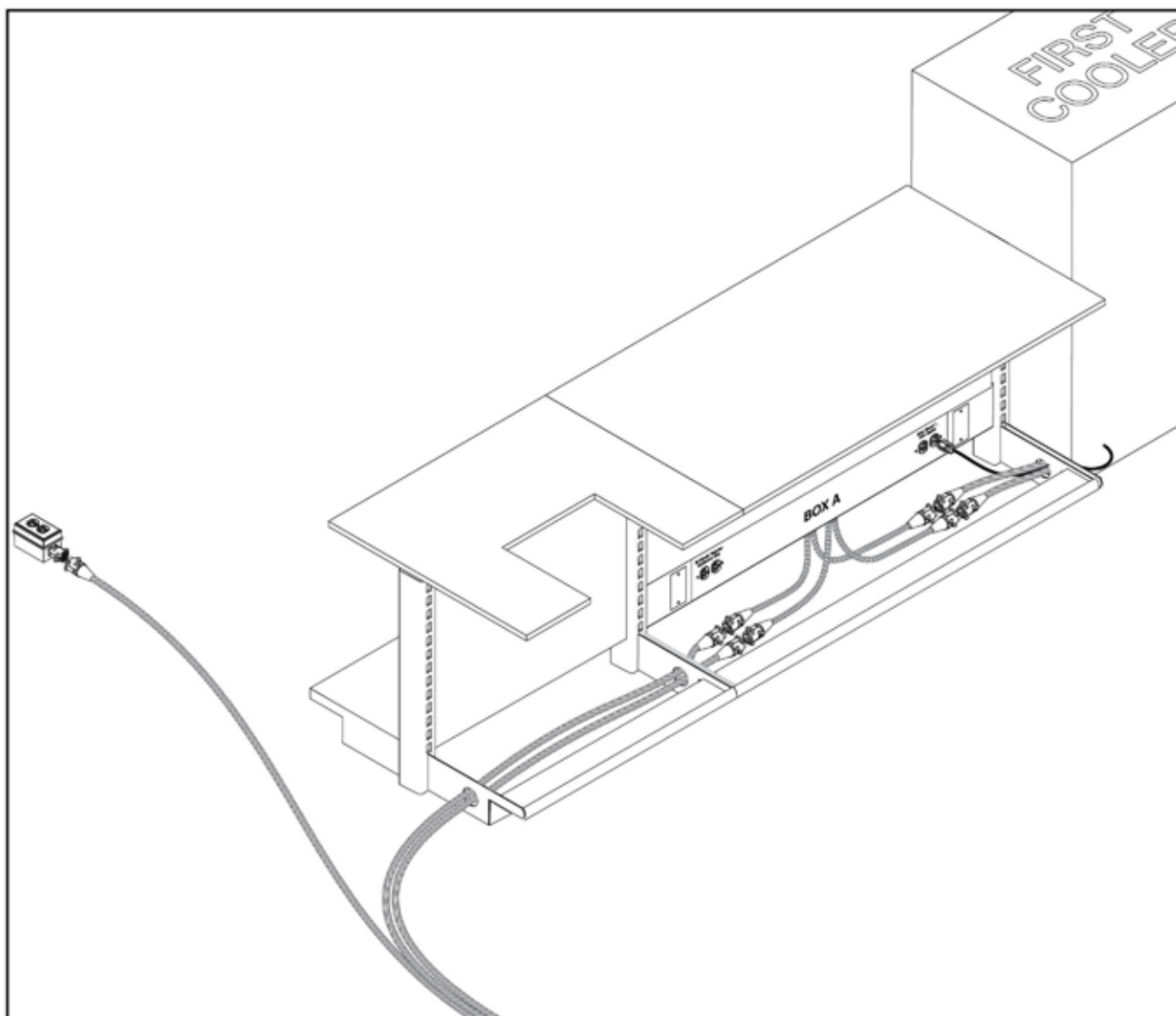
1. Prior to applying for permits, verify with the Family Dollar Construction Project manager on size of coolers being installed. 48 foot or 56 foot
2. Based on site criteria, the cooler types (hybrid, remote) will be in filled on the PMW form in Accruent, at least 6 months prior to Family Dollar Possession. Family Dollar's first priority is for remote units. Hybrid units will now require written approval from the Family Dollar Project Manager.
3. The Developer's Architect will permit the coolers assigned by Family Dollar.
4. Based on the projected Family Dollar possession, Family Dollar Procurement will order and ship the required coolers to arrive 2 weeks prior to possession.
5. The General Contractor will contact Adam Bilbray 678-313-3004 or Matt Joseph 770-362-4791 at Orgin Group six weeks prior to possession to schedule installation of coolers.
6. The General Contractor will have required power in locations indicated on latest FDS provided fixture plan. If in doubt verify with your Family Dollar Project Manager.
7. The General Contractor will make sure the installer completes the required jurisdictional inspections.

Attachments: None

Please contact your Family Dollar Construction Project Manager with any further questions.

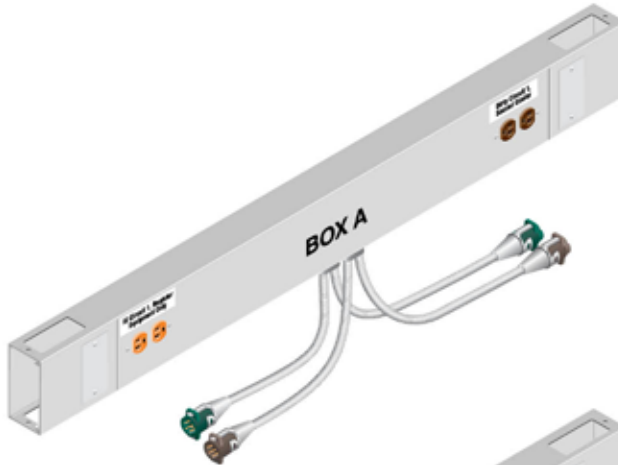
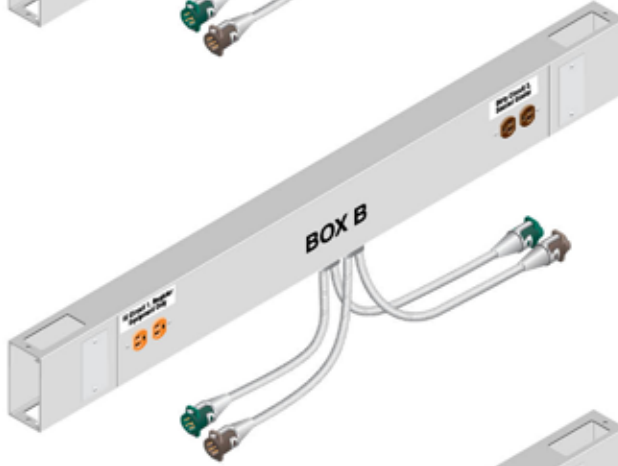
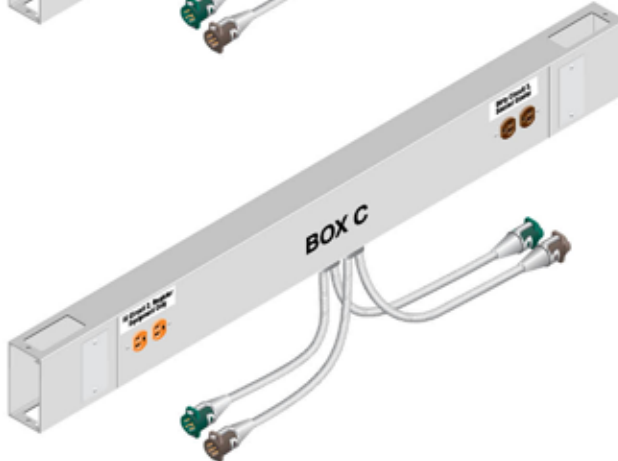
**Contact: Bryon Scott, Family Dollar Construction Department
P.O. Box 1017, Charlotte, NC 28201 * 704-708-1654
E-mail: bscott1@familydollar.com**

Electrical Components Install Manual



Modular Wiring Electrical Components Install Guide

To complete the install, the following parts are required.

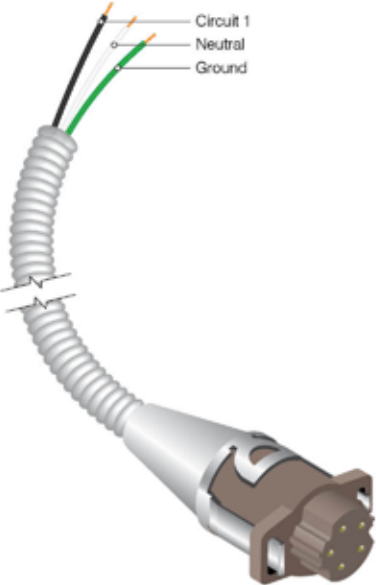
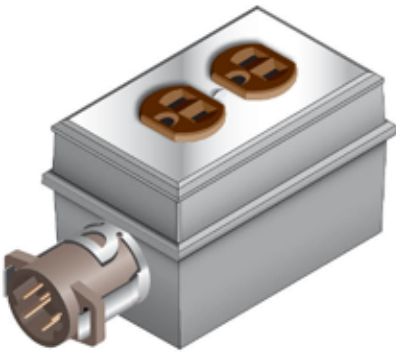
Description	Quantity	Image
ACLinx™ Power Box (A), extruded aluminum, labeled IG Circuit 1, Dirty Circuit 1 624FDS025-A	1	 A long, narrow, light gray extruded aluminum power box labeled 'BOX A'. It has two sets of green and brown wire terminals on the right side. A label on the left side reads 'IG Circuit 1, Dirty Circuit 1' with two orange warning symbols.
ACLinx™ Power Box (B), extruded aluminum, labeled IG Circuit 1, Dirty Circuit 2 624FDS025-B	1	 A long, narrow, light gray extruded aluminum power box labeled 'BOX B'. It has two sets of green and brown wire terminals on the right side. A label on the left side reads 'IG Circuit 1, Dirty Circuit 2' with two orange warning symbols.
ACLinx™ Power Box (C), extruded aluminum, labeled IG Circuit 2, Dirty Circuit 3 624FDS025-C	1	 A long, narrow, light gray extruded aluminum power box labeled 'BOX C'. It has two sets of green and brown wire terminals on the right side. A label on the left side reads 'IG Circuit 2, Dirty Circuit 3' with two orange warning symbols.



ACLinx™

Modular Wiring Electrical Components Install Guide

To complete the install, the following parts are required.

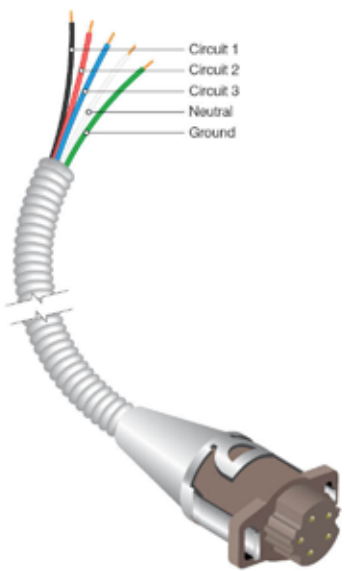
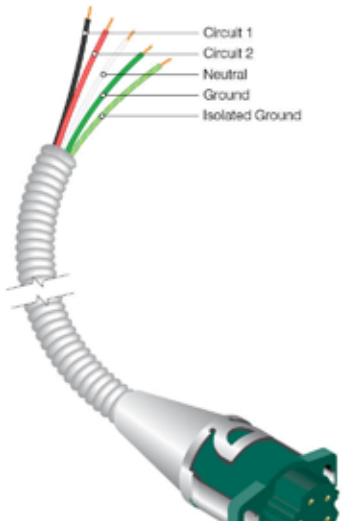
Description	Quantity	Image
ACLinx™ Power Whip, Regular Power, 8-foot 624FDS007-8 (1DB3-8)	1	
ACLinx™ Duplex Box, Regular Power 624FDS026	1	



ACLinx™

Modular Wiring Electrical Components Install Guide

To complete the install, the following parts are required.




Description	Quantity	Image
ACLinx™ Power Whip, Regular Power, 8-foot <i>624FDS005B-8</i> <i>(1DB5-8)</i>	1	
ACLinx™ Power Whip, I.G. Power, 8-foot <i>624FDS030C-8</i> <i>(1DB5-8-IG)</i>	1	



ACLinx™

Modular Wiring Electrical Components Install Guide

To complete the install, the following parts are required.




Description	Quantity	Image
ACLinx™ Extender Cable, Regular Power, 4-foot 624FDS013 (1E5-4)	1	
ACLinx™ Extender Cable, Regular Power, 10-foot 624FDS007C-10 (1E5-10)	1	
ACLinx™ Extender Cable, Regular Power, 15-foot 624FDS014 (1E5-15)	1	



ACLinx™

Modular Wiring Electrical Components Install Guide

To complete the install, the following parts are required.

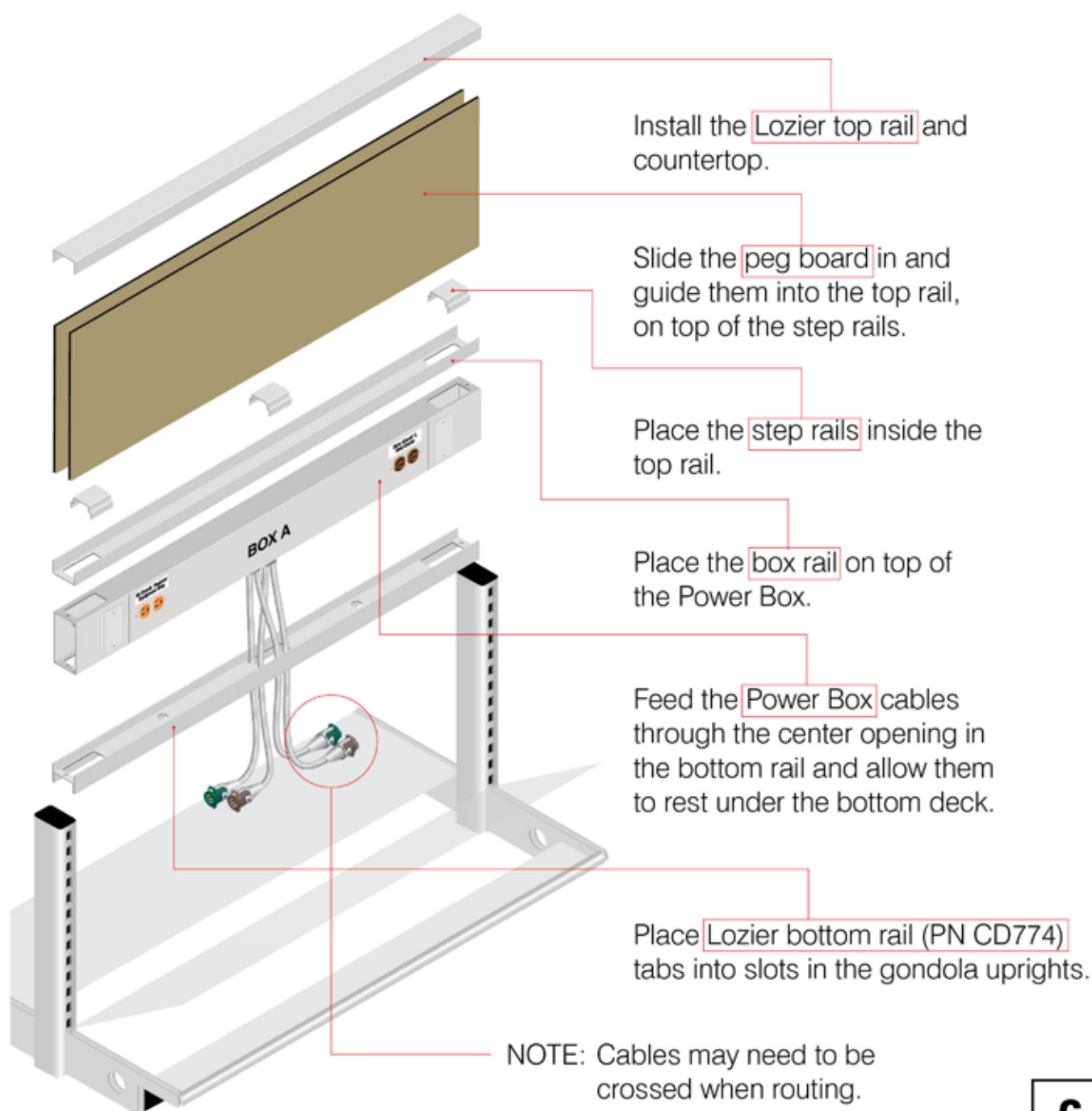
Description	Quantity	Image
ACLinx™ Extender Cable, I.G. Power, 4-foot <i>624FDS017-4</i> <i>(1E5-4-IG)</i>	1	
ACLinx™ Extender Cable, I.G. Power, 10-foot <i>624FDS017-10</i> <i>(1E5-10-IG)</i>	1	
ACLinx™ Extender Cable, I.G. Power, 15-foot <i>625FDS017</i> <i>(1E5-15-IG)</i>	1	



ACLinx™

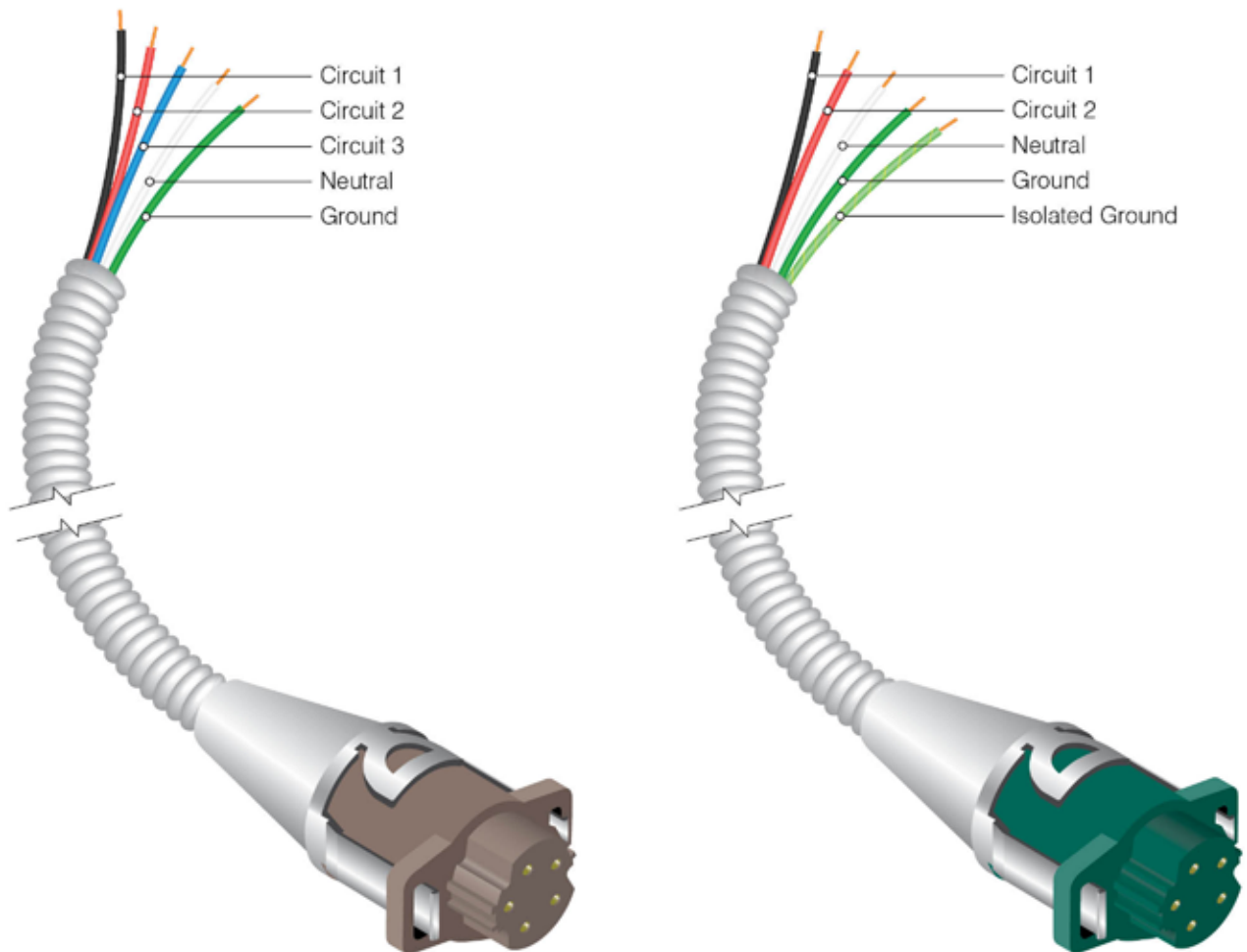
Modular Wiring Electrical Components Install Guide

IMPORTANT FIRST STEP: The Power Box must be installed in the gondolas at their initial assembly. It will not be possible to install the modular wiring without the Power Boxes first properly installed. Once assembled it will also be important to place the gondola/Power Box assemblies in the correct order on the floor with the Power Box A closest to the power source and the Power Box C the farthest out.



Modular Wiring Electrical Components Install Guide

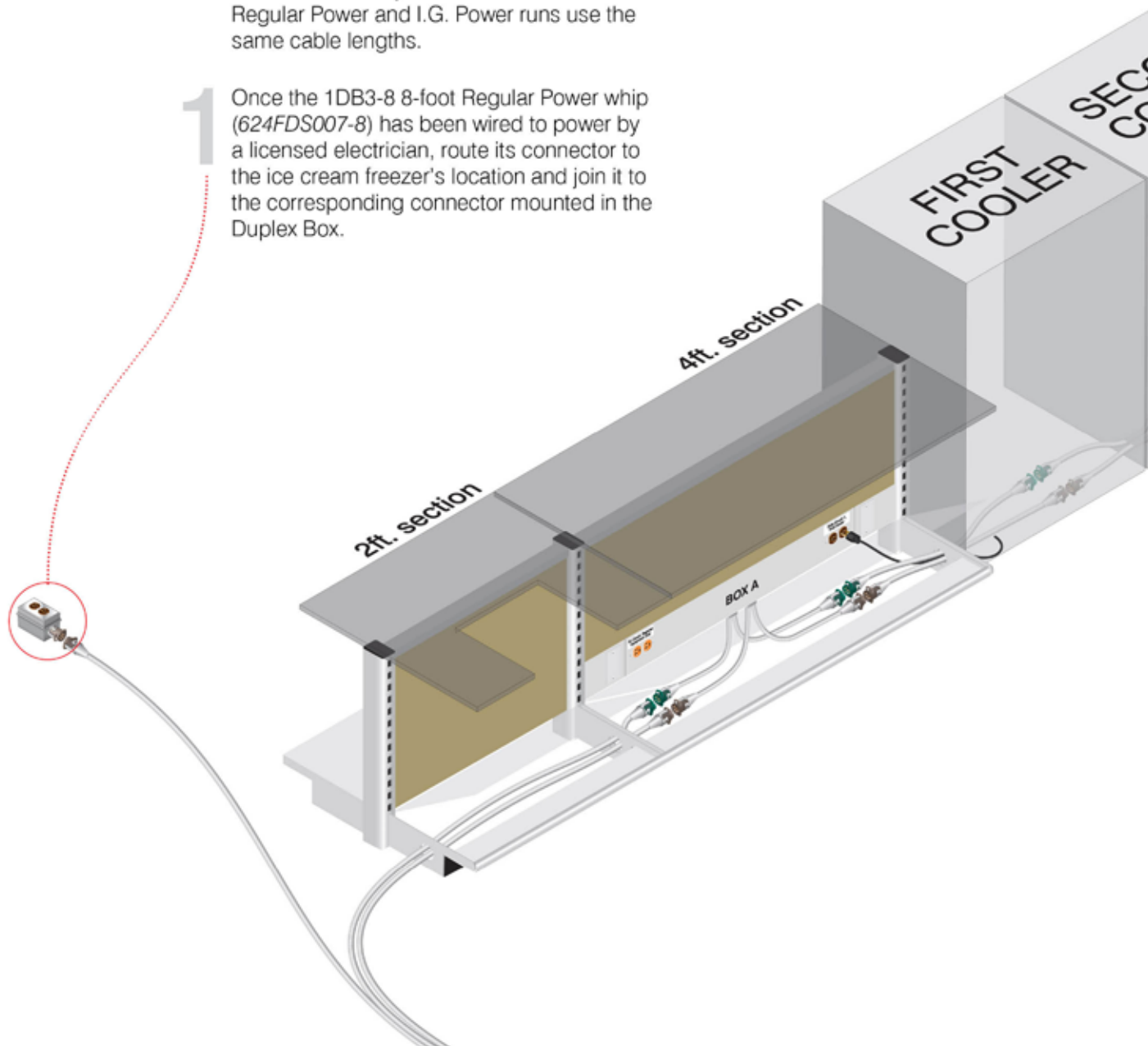
Cable whips must be wired to power by an electrician.



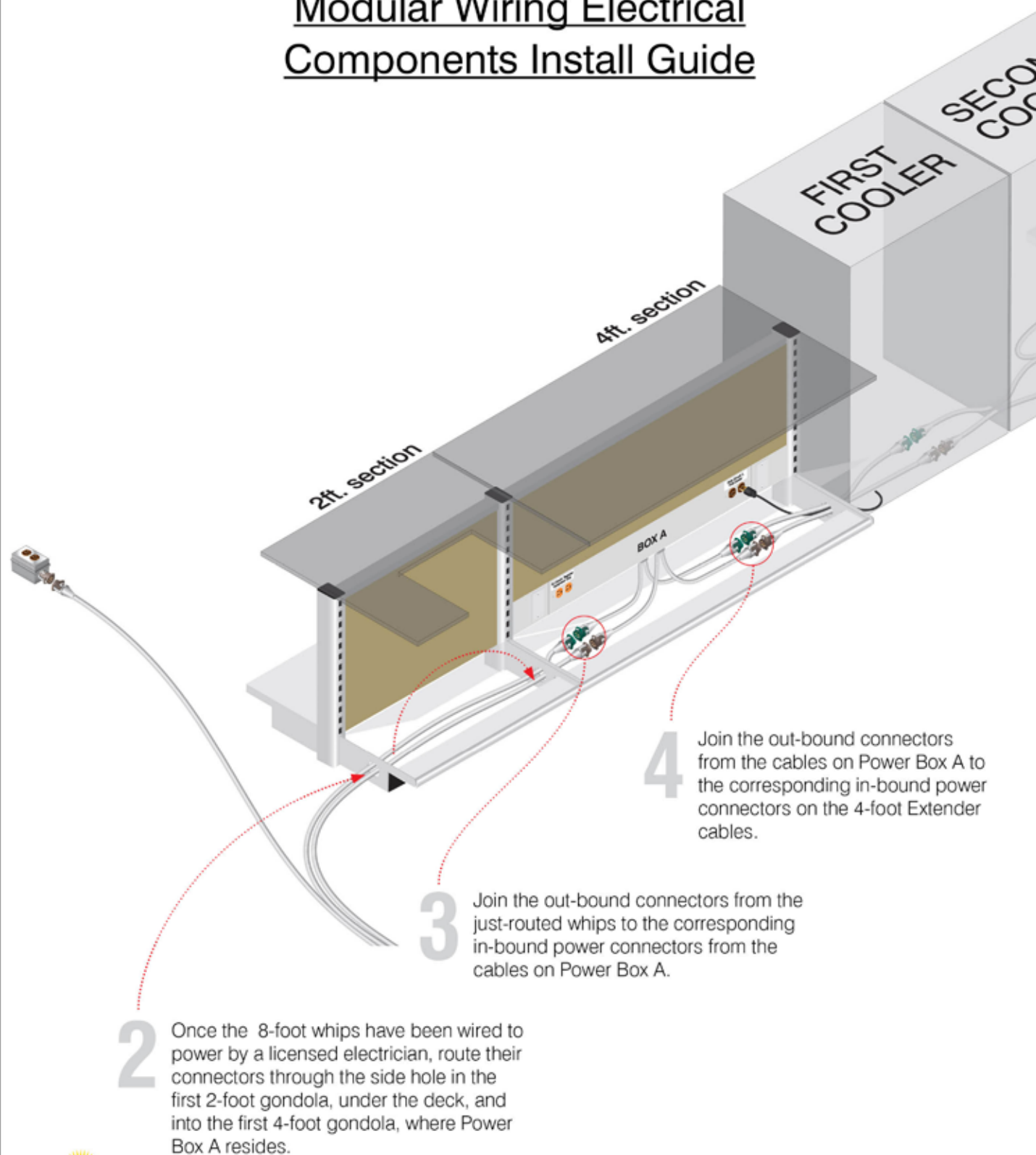
Modular Wiring Electrical Components Install Guide

NOTE: This is a symmetrical install. The Regular Power and I.G. Power runs use the same cable lengths.

- 1 Once the 1DB3-8 8-foot Regular Power whip (624FDS007-8) has been wired to power by a licensed electrician, route its connector to the ice cream freezer's location and join it to the corresponding connector mounted in the Duplex Box.

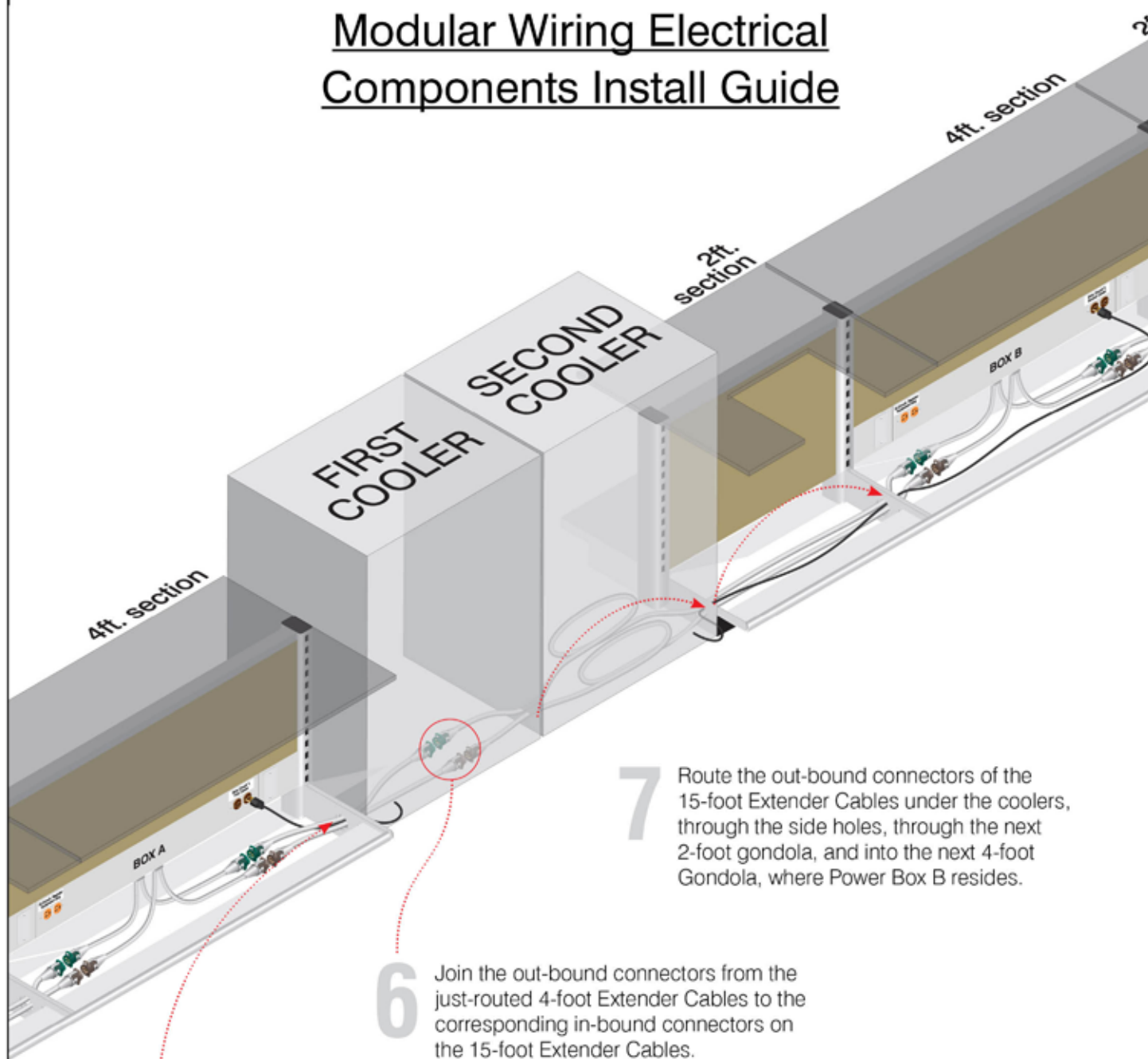


Modular Wiring Electrical Components Install Guide



ACLinx

Modular Wiring Electrical Components Install Guide



5 Route the 4-foot Extender Cables through the side hole in the gondola and under the coolers.

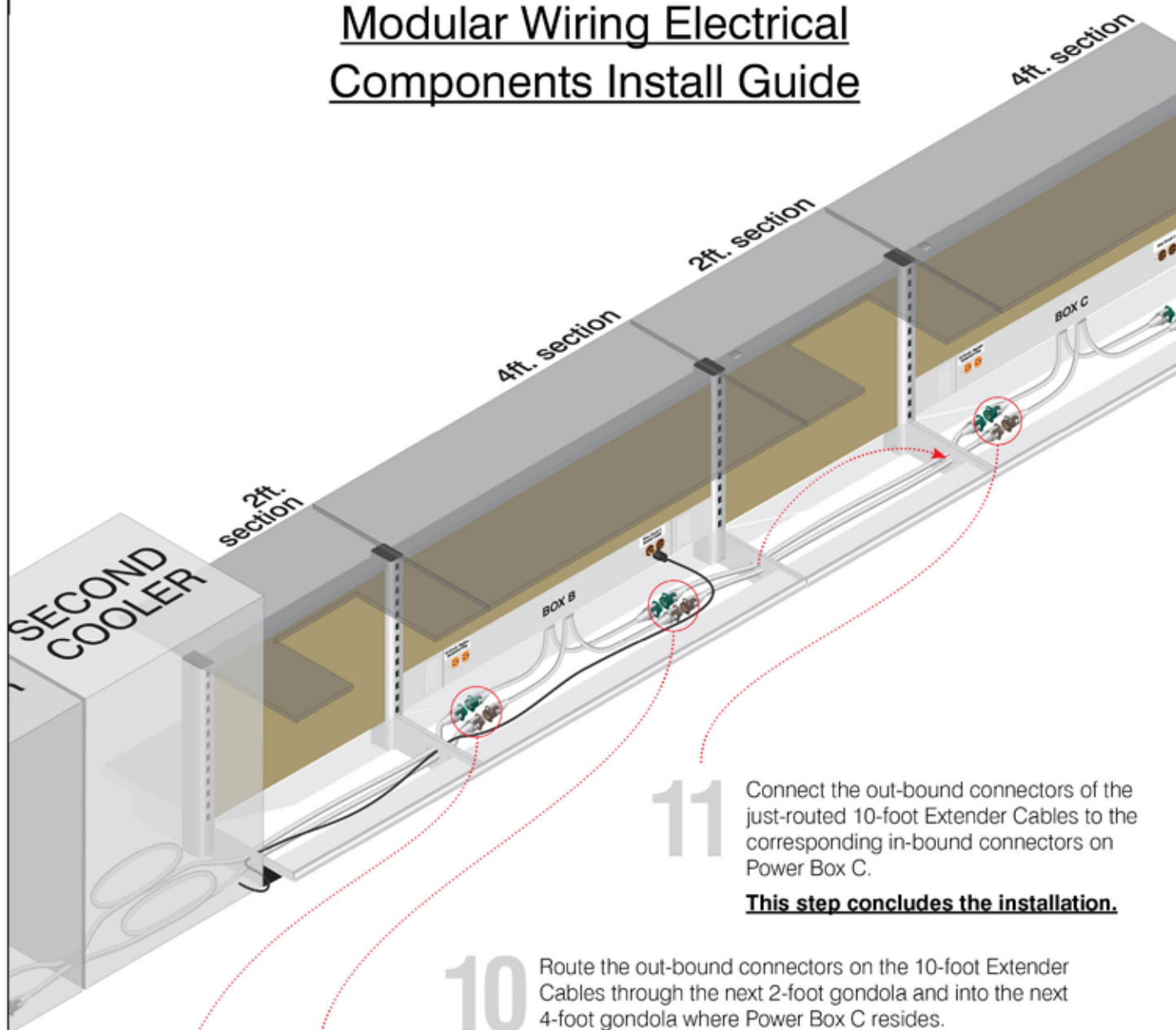
6 Join the out-bound connectors from the just-routed 4-foot Extender Cables to the corresponding in-bound connectors on the 15-foot Extender Cables.

7 Route the out-bound connectors of the 15-foot Extender Cables under the coolers, through the side holes, through the next 2-foot gondola, and into the next 4-foot Gondola, where Power Box B resides.



ACLinx

Modular Wiring Electrical Components Install Guide



11 Connect the out-bound connectors of the just-routed 10-foot Extender Cables to the corresponding in-bound connectors on Power Box C.

This step concludes the installation.

10 Route the out-bound connectors on the 10-foot Extender Cables through the next 2-foot gondola and into the next 4-foot gondola where Power Box C resides.

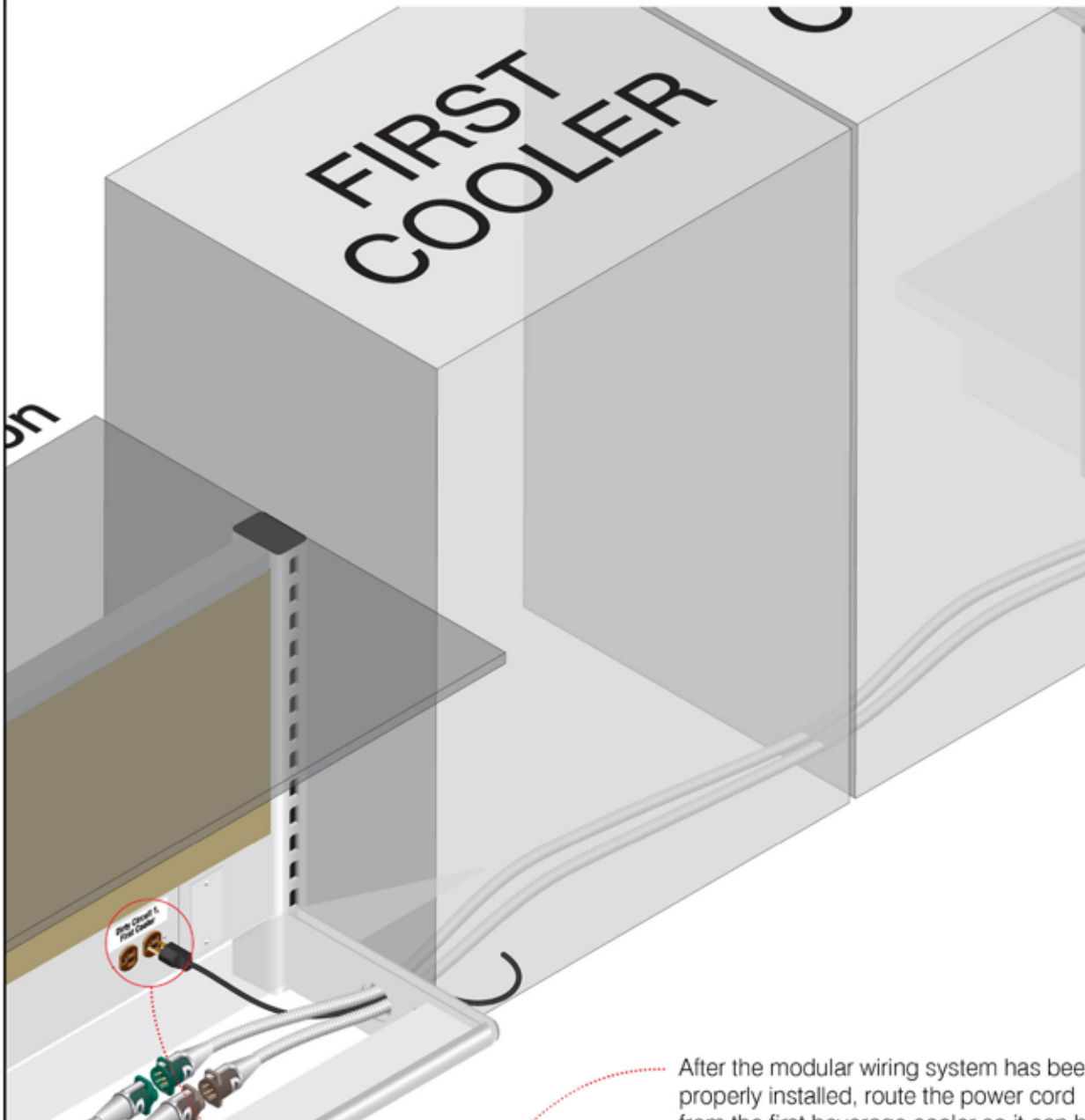
9 Join the out-bound connectors from Power Box B to the corresponding in-bound connectors on the 10-foot Extender Cables.

8 Join the out-bound connectors from the just-routed 15-foot Extender Cables to the corresponding in-bound power connectors from the cables on Power Box B.



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Modular Wiring Electrical Components Install Guide Powering the Beverage Coolers - 1

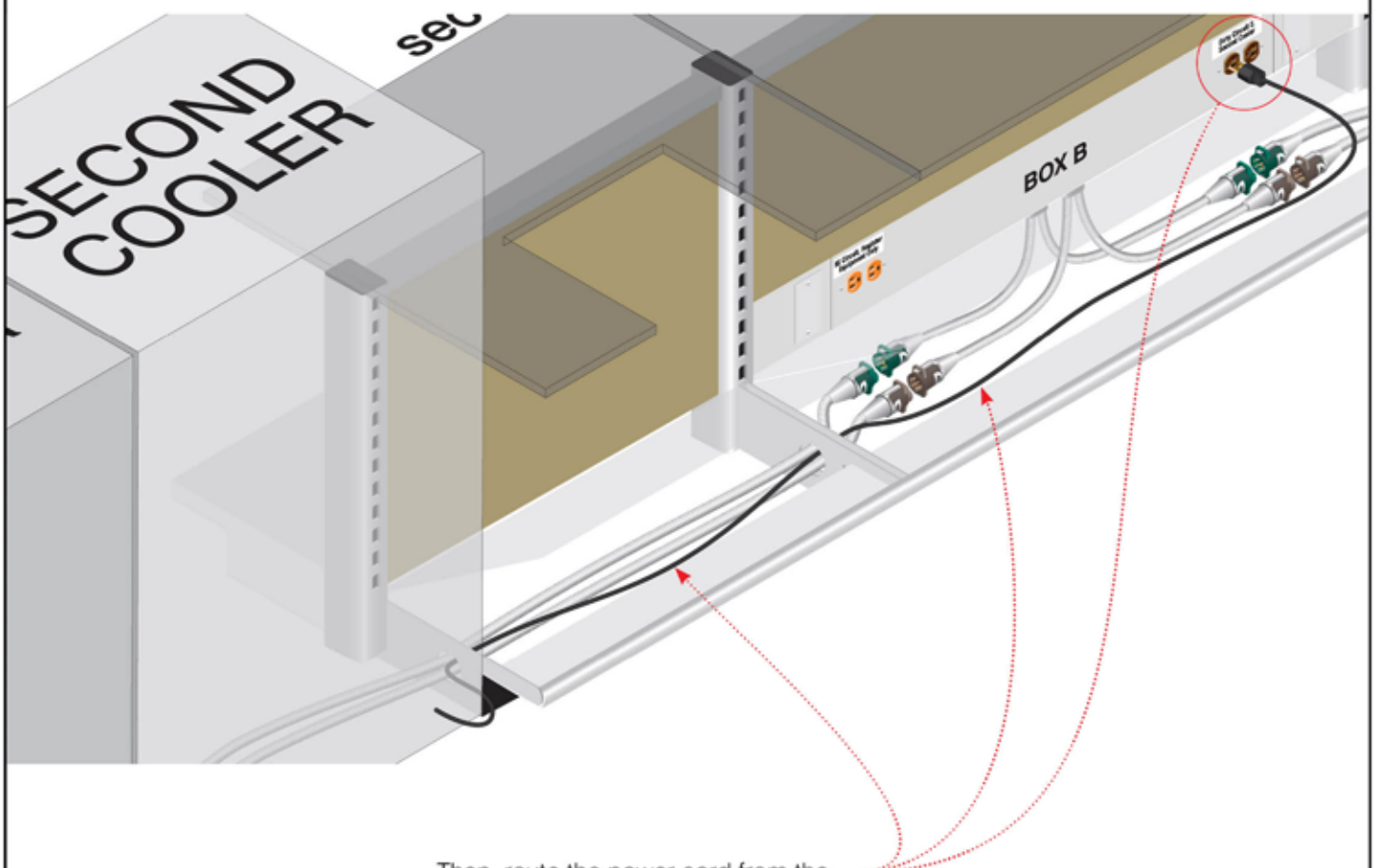


After the modular wiring system has been properly installed, route the power cord from the first beverage cooler so it can be plugged into the labeled regular-power duplex outlet in Power Box A.

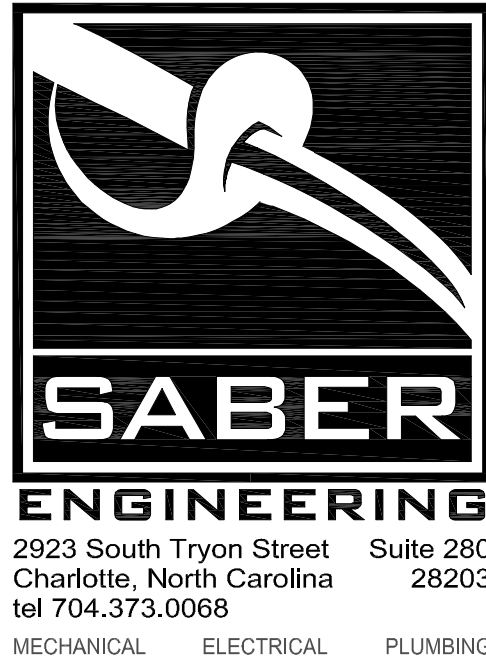


ACLinx

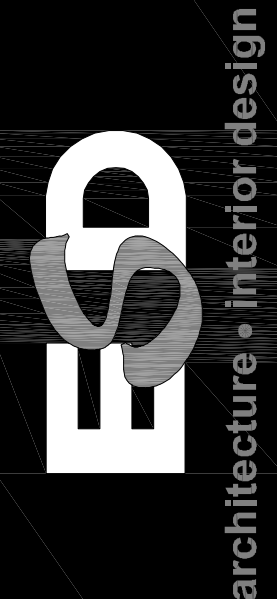
Modular Wiring Electrical Components Install Guide Powering the Beverage Coolers - 2



Then, route the power cord from the second beverage cooler so it can be plugged into the labeled regular-power duplex outlet in Power Box B.



PROTOTYPE DRAWINGS



1300 South Mint Street, Suite 300, Charlotte, NC 28203
Email: esd@esdarch.com • Fax: 704-373-0902 • Phone: 704-373-1900

NOT FOR CONSTRUCTION

FAMILY DOLLAR STORE
2013-04-HY
HYBRID PROTOTYPE
CITY, STATE

NOT FOR CONSTRUCTION

ISSUE DATE: 10/01/2013

REVISION 1: _____
REVISION 2: _____
REVISION 3: _____
REVISION 4: _____

PROJECT #: 12-111
CONTENT: LOW VOLTAGE
TYPICAL PLANS

PROJECT ARCHITECT: JDP
DRAWN BY: SABER

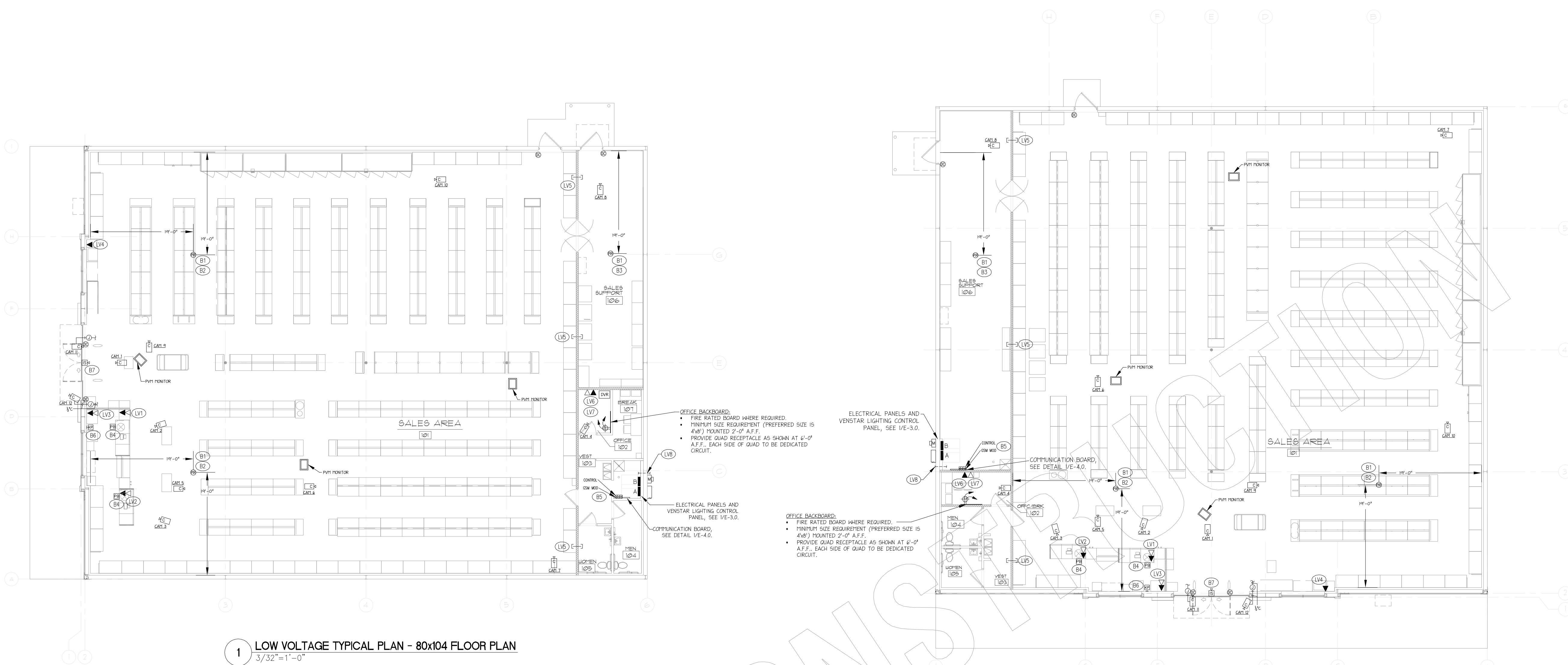
CADD FILE NAME:
12-111/

☐ "REVIEWED"
☐ "DISAPPROVED - RESUBMIT"

All Site and Building Plan Requirements, including but limited to, all Interior Dimensions, Materials, Hardware, Equipment & Specifications, are to be designed and built per the Family Dollar Prototype Plan #: 2013-04-HY as indicated in the lease, unless a deviation is approved by Family Dollar's Plan Reviewer, next to each specific deviation. The initials indicate approval of only the one deviation being initiated. Any deviation from designated Prototype Plan that is not initiated by Family Dollar is disapproved and void.

Sheet

LV-1.0



1 LOW VOLTAGE TYPICAL PLAN - 80x104 FLOOR PLAN
3/32"=1'-0"

CAMERA SYSTEM INSTALLATION REQUIREMENTS

CAMERAS - LEAVE 25' OF SLACK LOOP AT ALL CAMERA LOCATION ENDS. FOR ALL CAMERAS, POSITION VIEWS TO CAPTURE ITEMS LISTED IN CAMERA INSTALLATION POWER POINT PRESENTATION SUPPLIED BY FDS. INSTALL CAMERAS APPROXIMATELY 10'-14' A.F.F. (NO LESS THAN 10' A.F.F.).

GANZ RISK CLASS 0 (AND 1):

- CAMERA #1 - ENTRANCE
- CAMERA #2 - REGISTER 1
- CAMERA #3 - REGISTER 2
- CAMERA #4 - OFFICE
- CAMERA #5 - HBA
- CAMERA #6 - AIR FRESHENER
- CAMERA #7 - LAUNDRY
- CAMERA #8 - STOCKROOM

GANZ RISK CLASS 2 AND 3: CURRENTLY SHOWN ON PLANS

- CAMERA #1 - ENTRANCE
- CAMERA #2 - REGISTER 1
- CAMERA #3 - REGISTER 2
- CAMERA #4 - OFFICE
- CAMERA #5 - HBA
- CAMERA #6 - AIR FRESHENER
- CAMERA #7 - LAUNDRY
- CAMERA #8 - STOCKROOM
- CAMERA #9 - APPAREL
- CAMERA #10 - COOLER
- CAMERA #11 - HEIGHT STRIP EXIT
- CAMERA #12 - EXTERIOR

PVMS - FOR ALL PVMS, CONNECT CAMERAS TO PVMS PER LISTED IN CAMERA INSTALLATION POWER POINT PRESENTATION SUPPLIED BY FDS. INSTALL PVMS WHERE BOTTOM OF PVM IS APPROXIMATELY 8'-12' A.F.F. (BOTTOM OF PVM NO LESS THAN 8' A.F.F.).

GANZ RISK CLASS 0, 1 CAMERA SCHEMATICS AND INSTALLATION INSTRUCTIONS. (CURRENTLY USED BY SECURITY SOURCE TO INSTALL GANZ 1400 DVR - 8 CAMERAS AND 3 PVMS ON THE WEDNESDAY, THURSDAY, FRIDAY WEEK PRIOR TO THURSDAY GRAND OPENING. VENDORS TRIGGER TO BEING/COMENCE IS ONCE THE GRAND OPENING CALENDAR IS RELEASED AND MP LAYOUTS BECOME AVAILABLE. BOTH ARE TYPICAL AVAILABLE APPROXIMATELY 30-24 DAYS PRIOR TO STORES CALENDARED GRAND OPENING.)

GANZ RISK CLASS 2, 3 CAMERA SCHEMATICS AND INSTALLATION INSTRUCTIONS. (CURRENTLY USED BY SECURITY SOURCE TO INSTALL GANZ 1400 DVR - 12 CAMERAS AND 3 PVMS ON THE WEDNESDAY, THURSDAY, FRIDAY WEEK PRIOR TO THURSDAY GRAND OPENING. VENDORS TRIGGER TO BEING/COMENCE IS ONCE THE GRAND OPENING CALENDAR IS RELEASED AND MP LAYOUTS BECOME AVAILABLE. BOTH ARE TYPICAL AVAILABLE APPROXIMATELY 30-24 DAYS PRIOR TO STORES CALENDARED GRAND OPENING.)

RISK CLASS 4 INTERACTIVE SYSTEM CAMERA SCHEMATICS AND INSTALLATION INSTRUCTIONS. (CURRENTLY USED BY SECURITY SOURCE TO INSTALL A GANZ 1400 DVR - 12 CAMERAS AND 3 PVMS ON THE WEDNESDAY, THURSDAY, FRIDAY WEEK PRIOR TO THURSDAY GRAND OPENING. VENDORS TRIGGER TO BEING/COMENCE IS ONCE THE GRAND OPENING CALENDAR IS RELEASED AND MP LAYOUTS BECOME AVAILABLE. THERE ARE PRIMARILY RC 4 SITES. THERE WILL BE SPECIAL CASES WHERE RC3 FIT THE BILL.

4 RJ45 FACEPLATE PORT LAYOUT
DIAGRAMMATIC ONLY

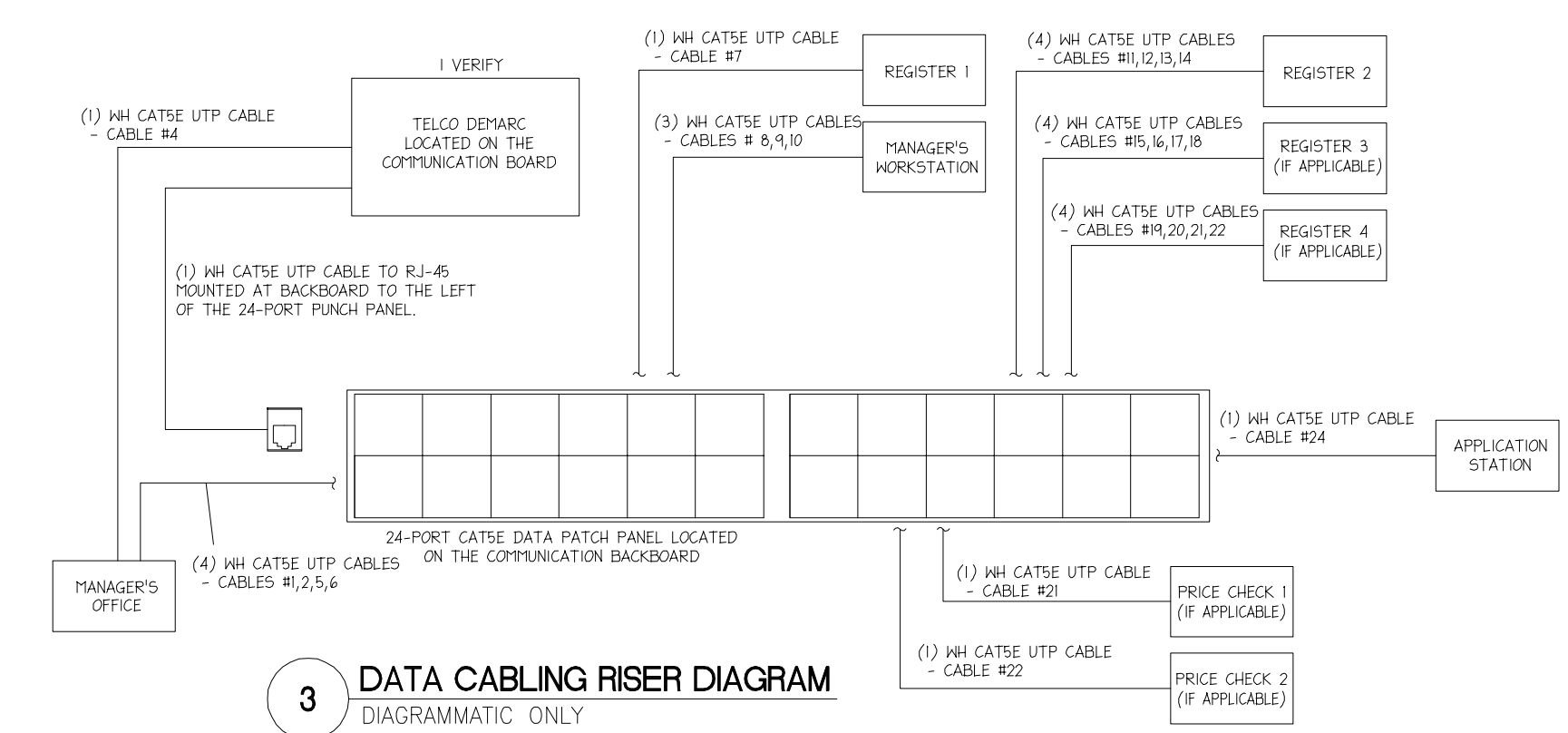
2 LOW VOLTAGE TYPICAL PLAN - 102x90 FLOOR PLAN
3/32"=1'-0"

CATSE CABLE INSTALLATION REQUIREMENTS

- CATSE CABLES SHOULD BE KEPT AT LEAST 12 INCHES FROM ELECTRICAL LINES AND OUTLETS. AVOID ATTACHING CATSE TO THE OUTSIDE OF POWER CONDUIT OR HANGING IT NEXT TO EXPOSED LINES. IN OPEN SPACES ABOVE DROP CEILINGS, DO NOT ALLOW CATSE CABLE TO REST ON TOP OF FLUORESCENT LIGHT FIXTURES.
- CATSE CABLES CANNOT BE LAID ON TOP OF THE CEILING TILES OR GRID. THE CABLE SHOULD NEVER BE BENT TO LESS THAN A 1-INCH RADIUS. THIS ALSO CAN LEAD TO WEAKENED OR BROKEN CONDUCTORS. CARE SHOULD BE TAKEN WHEN PULLING CABLES IN TO ENSURE THAT THEY ARE NOT KINKED OR NICKED. WHEN HANGING THE CABLES, AVOID CRIMPING THE CONDUCTOR WIRES. DO NOT USE STAPLES. USE CABLE NOT TO OVER-TIGHTEN PLASTIC CABLE TIES. TYING CABLES TO CEILING TILE GRID HANGERS IS NOT PERMITTED. CABLES SHOULD BE TIED TO THE BUILDING SUPPORT STEEL AT A MINIMUM OF 5 FOOT INTERVALS. CABLE TIES SHOULD ONLY BE FINGER TIGHT TO AVOID CRUSHING THE CABLES AS THIS COULD AFFECT THE CABLES PERFORMANCE CHARACTERISTICS. DO NOT USE CABLE TIE GUNS OR STAPLE GUNS. ALL TERMINATING SHOULD BE CARRIED OUT ACCORDING TO THE MANUFACTURERS' INSTRUCTIONS AND GUIDELINES, AND THE STANDARDS FOR GENERIC CABLEING SYSTEMS. THE CABLE SHEATH SHOULD BE STRIPPED BACK NO MORE THAN 1/4 INCH FROM THE POINT OF TERMINATION AND THE TWIST RATES SHOULD BE MAINTAINED. ALL PAIRS SHALL BE TERMINATED. STANDARDS SET FORTH BY EIA/TIA 568B DEFINE THE ACCEPTABLE WIRING AND COLOR-CODING SCHEMES FOR CATSE CABLES. NO SPLICING, TAPPING OR BRIDGING DEVICES SHALL BE USED BETWEEN SPECIFIED CONNECTING HARDWARE. HOMERUN ALL CABLES FROM THE NETWORK EQUIPMENT DIRECTLY TO THE EQUIPMENT LOCATIONS WITHOUT ANY SPLICES OR JUNCTIONS IN BETWEEN THEM. CABLE INSTALLATION AND TERMINATION METHODS SHALL BE COMPLETED IN A MANNER THAT WILL NOT DEGRADE THE CABLE SPECIFICATION. ALL TERMINATIONS SHALL BE INSERTED BY THE USE OF THE PROPER TOOL.
- ALL CATSE CABLEING MUST ADHERE TO EIA/TIA STANDARDS AND THE CURRENT NATIONAL ELECTRIC CODE (NEC).
- PUNCH ALL CABLES TO THE 24-PORT PUNCH PANEL IN THE HUBBELL NETWORK ENCLOSURE. PUNCH ALL CABLES AT THE DEVICE END. ATTACH THE NETWORK PATCH CABLES. ATTACH THE DEVICE PATCH CABLES. TEST THE CATSE CABLES WITH THE PATCH CABLES ATTACHED AND TEST FOR PASS/FAIL AND CABLE LENGTH.

LOW VOLTAGE TAGGED NOTES:

- (LV1) FURNISH AND INSTALL (1) CATSE CABLE AND RJ45 TERMINATION PLUG FOR CASHIER'S MODULE #1 FROM THE STORE'S NETWORK ENCLOSURE. A 20' SERVICE LOOP IS TO BE NEATLY COILED, TIE-WRAPPED, AND ATTACHED TO THE BUILDING SUPPORT STEEL AT CASH-LANE #1 LOCATION. A 5' SERVICE LOOP IS TO BE NEATLY COILED, TIE-WRAPPED, AND ATTACHED TO THE BUILDING SUPPORT STEEL ABOVE THE NETWORK EQUIPMENT ENCLOSURE.
- (LV2) FURNISH AND INSTALL (4) CATSE CABLES AND RJ45 TERMINATION PLUGS FOR CASHIER'S MODULE #2 FROM THE STORE'S NETWORK ENCLOSURE. A 20' SERVICE LOOP IS TO BE NEATLY COILED, TIE-WRAPPED, AND ATTACHED TO THE BUILDING SUPPORT STEEL AT CASH-LANE #2 LOCATION. A 5' SERVICE LOOP IS TO BE NEATLY COILED, TIE-WRAPPED, AND ATTACHED TO THE BUILDING SUPPORT STEEL ABOVE THE NETWORK EQUIPMENT ENCLOSURE.
- (LV3) FURNISH AND INSTALL (3) CATSE CABLES AND RJ45 TERMINATION PLUGS FOR MANAGER'S WORKSTATION FROM THE STORE'S NETWORK ENCLOSURE. A 20' SERVICE LOOP IS TO BE NEATLY COILED, TIE-WRAPPED, AND ATTACHED TO THE BUILDING SUPPORT STEEL AT MANAGER'S WORKSTATION LOCATION. A 5' SERVICE LOOP IS TO BE NEATLY COILED, TIE-WRAPPED, AND ATTACHED TO THE BUILDING SUPPORT STEEL ABOVE THE NETWORK EQUIPMENT ENCLOSURE.
- (LV4) FURNISH AND INSTALL (1) CATSE CABLE AND RJ45 TERMINATION PLUG FOR THE APPLICATION STATION FROM THE STORE'S NETWORK ENCLOSURE. A 20' SERVICE LOOP IS TO BE NEATLY COILED, TIE-WRAPPED, AND ATTACHED TO THE BUILDING SUPPORT STEEL AT APPLICATION STATION LOCATION. A 5' SERVICE LOOP IS TO BE NEATLY COILED, TIE-WRAPPED, AND ATTACHED TO THE BUILDING SUPPORT STEEL ABOVE THE NETWORK EQUIPMENT ENCLOSURE.
- (LV5) PROVIDE A (1) ONE FOOT PIECE OF 3" EMPTY CONDUIT RUNNING THROUGH THE WALL AT LOCATIONS AS SPECIFIED ON THE PLANS. ALL CONDUITS SHALL BE LOCATED 6" TO BOTTOM OF PURLAIN. PROVIDE FIRE CAULK AND CAP OFF CONDUIT FOR FUTURE USE BY FAMILY DOLLAR.
- (LV6) FURNISH AND INSTALL (5) CATSE CABLES AND RJ45 TERMINATION PLUGS FOR THE MANAGERS OFFICE FROM THE STORE'S NETWORK ENCLOSURE. A 20' SERVICE LOOP IS TO BE NEATLY COILED, TIE-WRAPPED, AND ATTACHED TO THE BUILDING SUPPORT STEEL AT MANAGERS OFFICE LOCATION. A 5' SERVICE LOOP IS TO BE NEATLY COILED, TIE-WRAPPED, AND ATTACHED TO THE BUILDING SUPPORT STEEL ABOVE THE TELCO DEMARK.
- (LV7) MOUNT ALL DATA OUTLETS IN OFFICE AT 24" A.F.F.
- (LV8) PROVIDE 1" CONDUIT THROUGH EXTERIOR WALL AT LOCATION SHOWN AT PANELBOARDS FOR FUTURE ANTENNA CONNECTION. COORDINATE MOUNTING HEIGHT WITH FDS CONSTRUCTION REPRESENTATIVE.

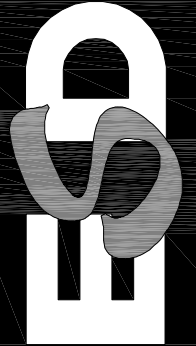


3 DATA CABLING RISER DIAGRAM
DIAGRAMMATIC ONLY



2923 South Tryon Street Suite 280
Charlotte, North Carolina 28203
tel 704.373.0068
MECHANICAL ELECTRICAL PLUMBING

PROTOTYPE
DRAWINGS



architecture • interior design

1300 South Mint Street, Suite 300, Charlotte, NC 28203
Email: esd@esdarch.com • Fax: 704-373-0902 • Phone: 704-373-1900

NOT FOR CONSTRUCTION

FAMILY DOLLAR STORE

2013-04-HY
HYBRID PROTOTYPE
CITY, STATE

NOT FOR CONSTRUCTION

ISSUE DATE: 10/01/2013

REVISION 1: _____
REVISION 2: _____
REVISION 3: _____
REVISION 4: _____

PROJECT #: 12-111
CONTENT: I-VERIFY
ALARM PLANS

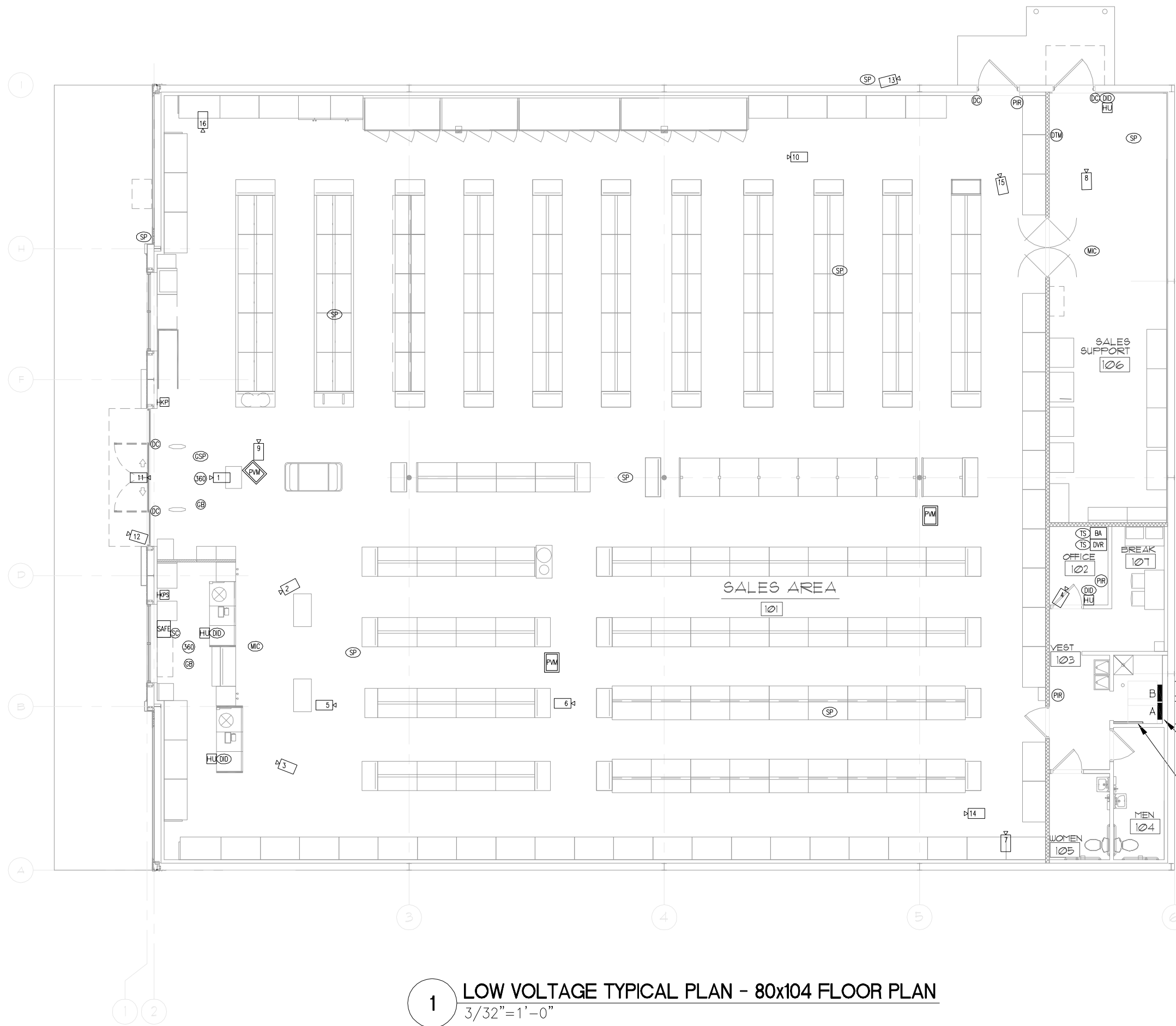
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DRAWN BY: SABER

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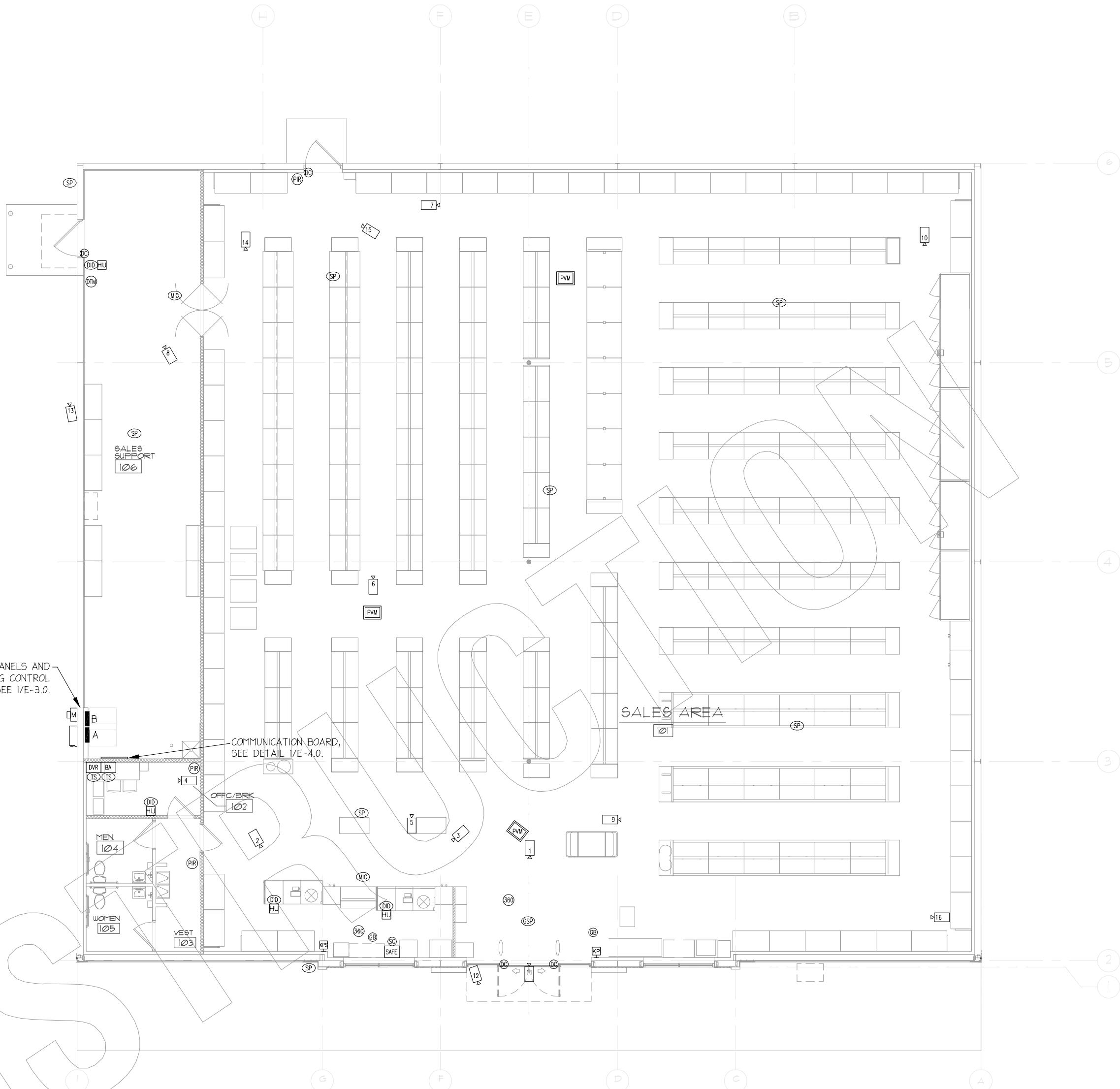
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Sheet

LV-1.1



1 LOW VOLTAGE TYPICAL PLAN - 80x104 FLOOR PLAN
3/32"=1'-0"



2 LOW VOLTAGE TYPICAL PLAN - 102x90 FLOOR PLAN
3/32"=1'-0"

I-VERIFY LEGEND	
SYMBOL	DESCRIPTION
[H]	CAMERA (# = CAMERA NUMBER)
[PM]	PUBLIC-VIEW MONITOR
[DB]	DVR BOX
[K]	BURGLAR ALARM CONTROL BOX
[KP]	KEYPAD
[SKP]	SAFE KEYPAD
[SC]	SAFE CONTACT
[SD]	SAFE/2 DOORS
[MS]	360° MOTION SENSOR
[DMS]	DUALTEK MOTION SENSOR
[PIR]	PIR MOTION SENSOR
[TS]	TAMPER SENSOR
[DC]	DOOR CONTACT
[GB]	GLASS BREAKS (OPTIONAL)
[S]	SPEAKER
[GS]	GREETER SPEAKER
[MIC]	MICROPHONE
[DHS]	DID HANDSET
[HUB]	HOLD UP BUTTON

WIRE/CABLE TYPE:

- RG4 = 18/2 SHIELDSE = CAMERA 4 PVMS
- CAT 5 = DID HANDSETS
- 22/4 STANDARD CTV ALARM WIRE = ALL ALARM DEVICES (MOTIONS, DOOR CONTACTS, HOLD UP, TAMPERS, KEY PADS, GLASS BREAKS, AND SAFE CONTACTS)
- 22/2 STANDARD SHIELDED WIRE = SPEAKER 4 MICROPHONES

CAMERA SYSTEM INSTALLATION REQUIREMENTS

CAMERAS - LEAVE 25' OF SLACK LOOP AT ALL CAMERA LOCATION ENDS. FOR ALL CAMERAS, POSITION VIEWS TO CAPTURE ITEMS LISTED IN CAMERA INSTALLATION POWER POINT PRESENTATION SUPPLIED BY FDS. INSTALL CAMERAS APPROXIMATELY 10'-14' A.F.F. (NO LESS THAN 10' A.F.F.).

- CAMERA #1 - ENTRANCE
- CAMERA #2 - REGISTER 1
- CAMERA #3 - REGISTER 2
- CAMERA #4 - OFFICE
- CAMERA #5 - HBA
- CAMERA #6 - AIR FRESHENER
- CAMERA #7 - LAUNDRY
- CAMERA #8 - STOCKROOM
- CAMERA #9 - APPAREL
- CAMERA #10 - COOLER
- CAMERA #11 - HEIGHT STRIP EXIT
- CAMERA #12 - EXTERIOR

INTERACTIVE CAMERA SITES

- CAMERA #13 - REAR EXTERIOR
- CAMERA #14 - AUTOMOTIVE
- CAMERA #15 - FLEX
- CAMERA #16 -

PVMS - FOR ALL PVMS, CONNECT CAMERAS TO PVMS PER LISTED IN CAMERA INSTALLATION POWER POINT PRESENTATION SUPPLIED BY FDS. INSTALL PVMS WHERE BOTTOM OF PVM IS APPROXIMATELY 8'-12' A.F.F. (BOTTOM OF PVM NO LESS THAN 8' A.F.F.).

GANZ RISK CLASS 0, 1 CAMERA SCHEMATICS AND INSTALLATION INSTRUCTIONS.

(CURRENTLY USED BY SECURITY SOURCE TO INSTALL GANZ I6HD DVR - 8 CAMERAS AND 2 PVMS ON THE WEDNESDAY, THURSDAY, FRIDAY WEEK PRIOR TO THURSDAY GRAND OPENING. VENDOR'S TRIGGER TO BEING/COMPEHCE IS ONCE THE GRAND OPENING CALENDAR IS RELEASED AND PIP LAYOUTS BECOME AVAILABLE. BOTH ARE TYPICAL AVAILABLE APPROXIMATELY 30-24 DAYS PRIOR TO STORES CALENDARED GRAND OPENING.)

GANZ RISK CLASS 2, 3 CAMERA SCHEMATICS AND INSTALLATION INSTRUCTIONS.

(CURRENTLY USED BY SECURITY SOURCE TO INSTALL GANZ I6HD DVR - 12 CAMERAS AND 3 PVMS ON THE WEDNESDAY, THURSDAY, FRIDAY WEEK PRIOR TO THURSDAY GRAND OPENING. VENDOR'S TRIGGER TO BEING/COMPEHCE IS ONCE THE GRAND OPENING CALENDAR IS RELEASED AND PIP LAYOUTS BECOME AVAILABLE. BOTH ARE TYPICAL AVAILABLE APPROXIMATELY 30-24 DAYS PRIOR TO STORES CALENDARED GRAND OPENING.)

RISK CLASS 4 INTERACTIVE SYSTEM CAMERA SCHEMATICS AND INSTALLATION INSTRUCTIONS.

(CURRENTLY USED BY IVERIFY OR INTERFACE TO INSTALL A GANZ I6HD DVR - 12 CAMERAS AND 3 PVMS ON THE WEDNESDAY, THURSDAY, FRIDAY WEEK PRIOR TO THURSDAY GRAND OPENING. VENDOR'S TRIGGER TO BEING/COMPEHCE IS ONCE THE GRAND OPENING CALENDAR IS RELEASED AND PIP LAYOUTS BECOME AVAILABLE. THERE ARE PRIORITARY RZ 4 SITES. THERE WILL BE SPECIAL CASES WHERE RZ3 FIT THE BILL.

☐ "REVIEWED"

☐ "DISAPPROVED - RESUBMIT"

All Site and Building Plan Requirements, including but limited to, all Interior Dimensions, Materials, Hardware, Equipment & Specifications, are to be designed and built per the Family Dollar Prototype Plan #: 2013-04-HY as indicated in the lease, unless a deviation is approved by Family Dollar's Plan Reviewer, next to each specific deviation. The initials indicate approval of only the one deviation being initiated. Any deviation from designated Prototype Plan that is not initiated by Family Dollar is disapproved and void.

(Approval to plan deviation will be indicated with the following circled initials: _____)



Telecommunications Service Request

General Information:	
Order Date:	
Order #:	
Service Type:	
Local Vendor:	
LD Vendor:	NO LD for primary; Local LD for addt
Requested Due Date:	28 days prior to Possesion
Street:	Physical E911 address
City:	City
State:	State
Zip Code:	Zipcode
Local Contact:	
Ordered by:	
Phone #:	

Billing Information:	
Family Dollar Store:	Store Number
Attn: Touch Free/Dept 290	
P.O. Box 172127	
Memphis, TN 38187-2127	

Vendor Information

To be completed by Vendor:	
PRIMARY NUMBER:	
FIRE ALARM NUMBER:	
iVerify Audio Number:	
INSTALL DATE:	
Monthly Recurring \$:	
Installation \$:	

* Per local municipally and lease agreement
* Per crime score of 700 or above

Order Instructions

Restrictions: 900,976, Auto re-dial, collect call, 3rd party, *69, 3 way dialing, LONG DISTANCE **BLOCK ON PRIMARY LINE ONLY**; Fire and audio lines to be pic'd to the local provider.

3rd Party Vendor Block: Bill Block will prevent the cramming (unauthorized, misleading, or deceptive charges for products or services on subscriber's local telephone bill) of specific 3rd party charges to a customer's acct

Maintenance: NO WIRE MAINTENANCE

Line Description: One touch tone line
NO LONG DISTANCE ON THE PRIMARY LINE; PIC LD TO LOCAL CARRIER FOR FIRE AND AUDIO LINES

Phone Book Listing: VARIETY or DISCOUNT STORES (unless otherwise specified in "Special Instructions")

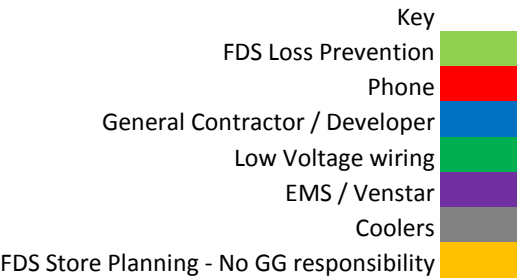
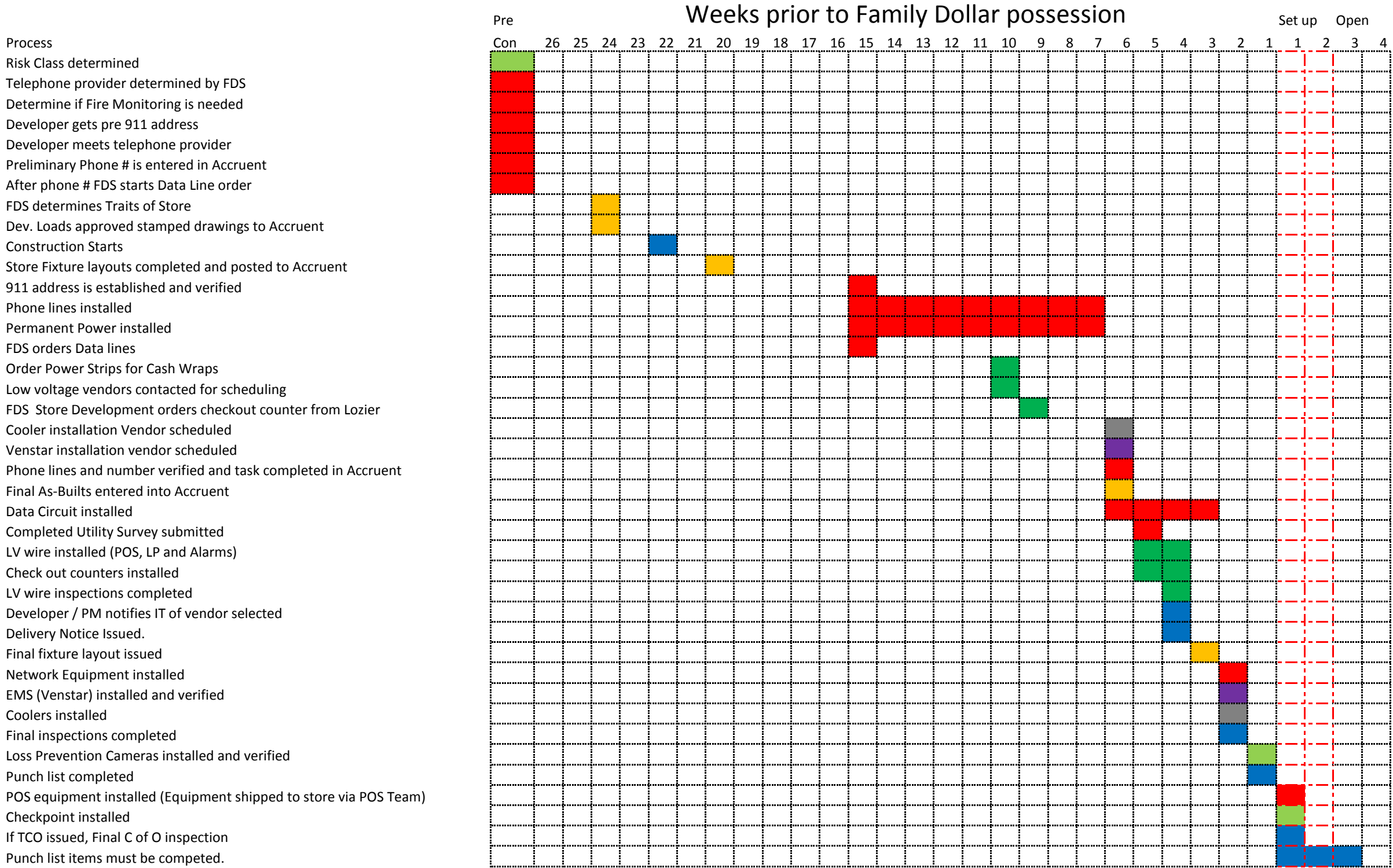
Wiring options: DMARC and RJ11 to be installed & tagged on the communication board in the stock room on the lower left hand side.

Authorized Agents: Aleda Cotty, Andrea Seegars, Wendy Grass, Christina Donahue, Jeff Thomas, Melody Witherspoon, Jessica Oliver,
ARE THE ONLY PERSONS AUTHORIZED TO ADD, CHANGE, MOVE or DISCONNECT LOCAL SERVICES.

Network Support Team: Jeanne Harding, Jocelyn Westervelt, Monica Godwin; Jamel Hayes, Matt Henely, William Davis, Kevin Chunn, Dave Rego, Sing Phanhtourath, Clifton Walker, Jason Sturhe, Anthony Acosta, Mark Ostoraga and Chasity Parker.
ARE AUTHORIZED TO OPEN AND TROUBLESHOOT REPAIR TICKETS

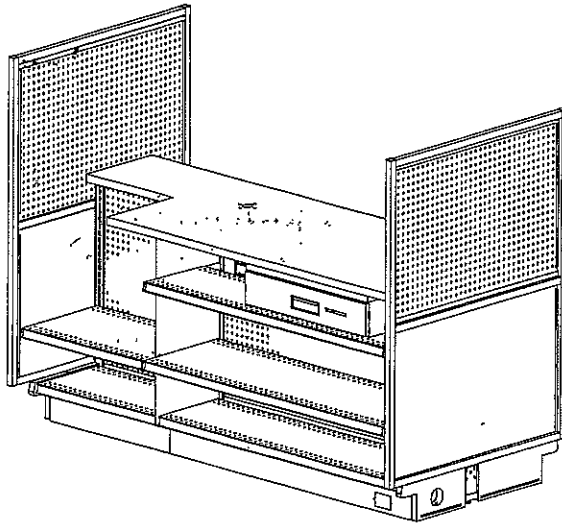
Special Instructions:

Comments



Installation Instructions For Single Bag Station

Use this instruction only.



DRAWING NUMBER: 84537

*Not
Final
Set of
Instructions*

INSTALLATION INSTRUCTIONS

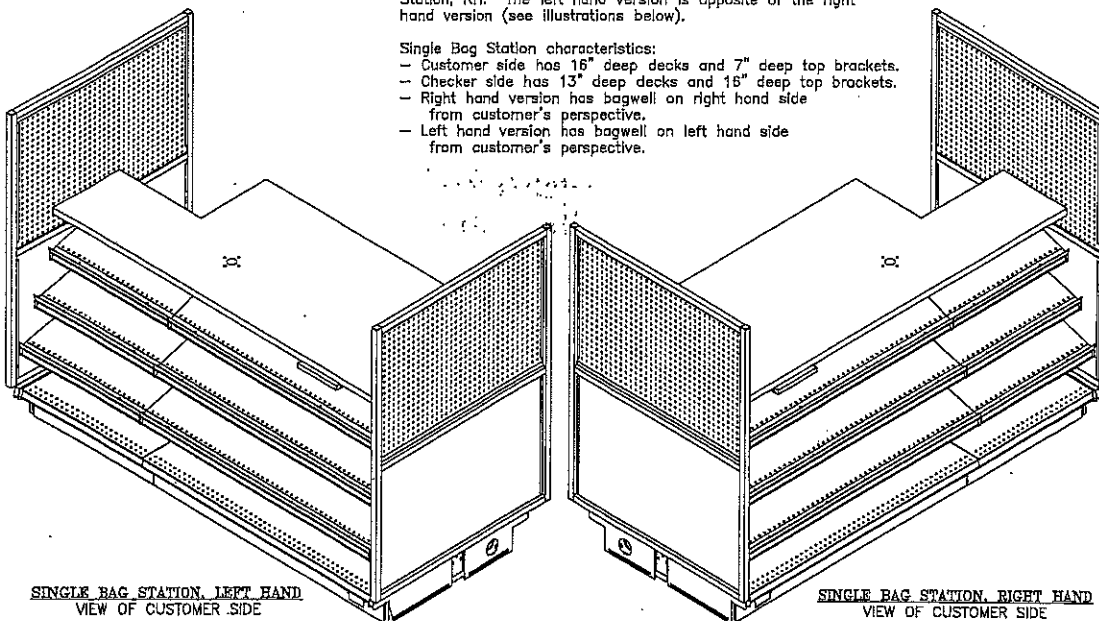
SINGLE BAG STATION

FLOOR PLAN ORIENTATION

NOTE: These instructions show how to assemble a Single Bag Station, RH. The left hand version is opposite of the right hand version (see illustrations below).

Single Bag Station characteristics:

- Customer side has 16" deep decks and 7" deep top brackets.
- Checker side has 13" deep decks and 16" deep top brackets.
- Right hand version has bagwell on right hand side from customer's perspective.
- Left hand version has bagwell on left hand side from customer's perspective.

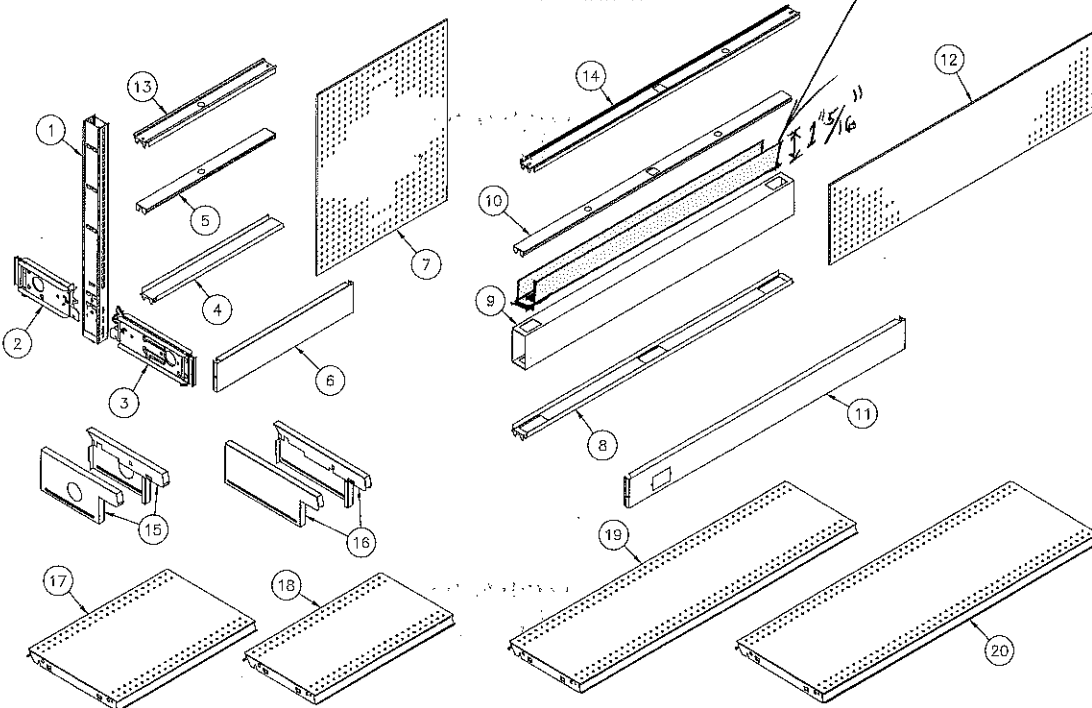


SINGLE BAG STATION, LEFT HAND
VIEW OF CUSTOMER SIDE

SINGLE BAG STATION, RIGHT HAND
VIEW OF CUSTOMER SIDE

INSTALLATION INSTRUCTIONS

SINGLE BAG STATION



6336 PERSHING DRIVE
OMAHA, NEBRASKA 68110
(800) 228-9882

84537 REV. B
QT# 95750 11-19-13
PAGE 5 OF 24

INSTALLATION INSTRUCTIONS

SINGLE BAG STATION

EXPLODED VIEW
TOP AND SHELVES NOT
SHOWN FOR CLARITY

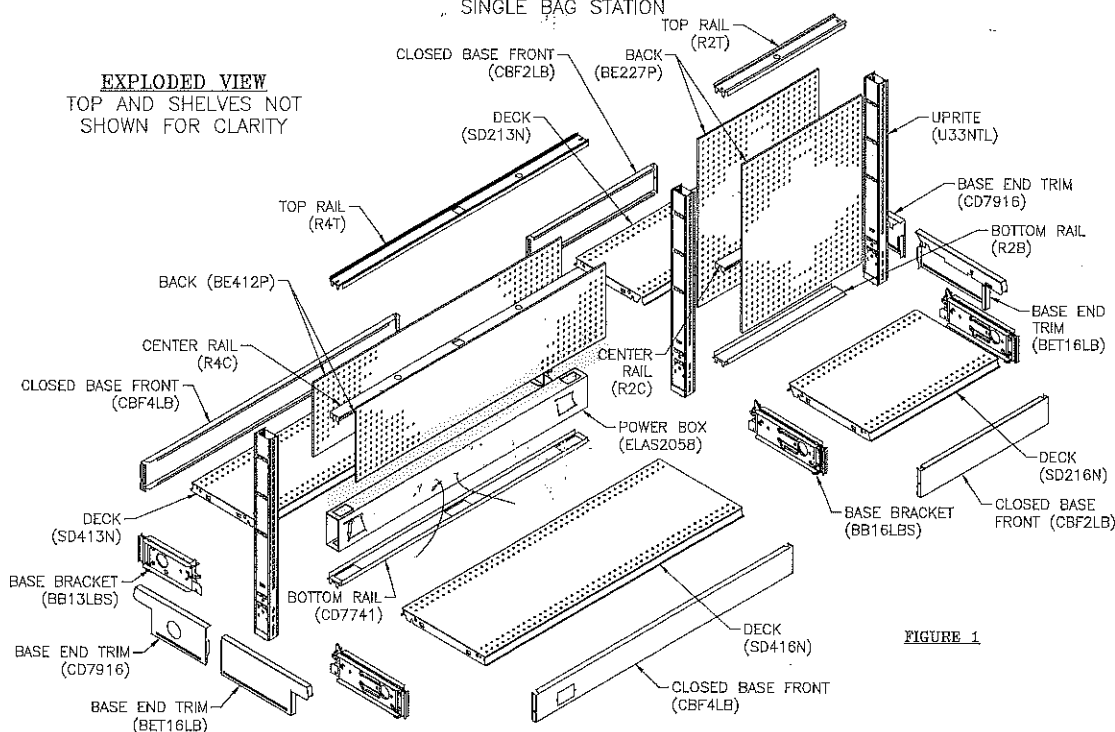


FIGURE 1



6336 PERSHING DRIVE
OMAHA, NEBRASKA 68110
(800) 228-9882

84537 REV. B
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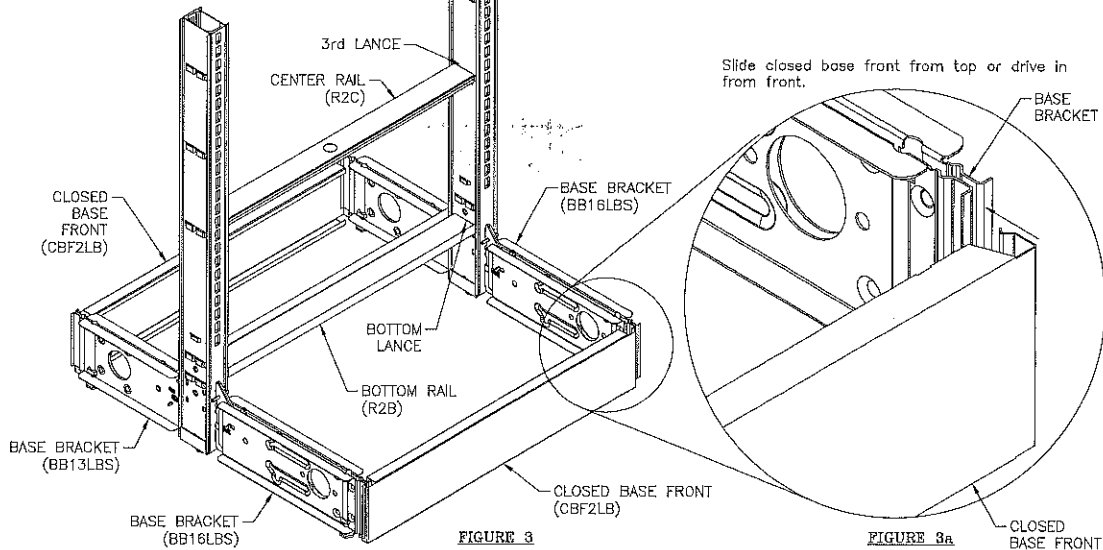
INSTALLATION INSTRUCTIONS

SINGLE BAG STATION

STEP 6: Assemble "framework" of 2' section by standing first two uprite/base bracket assemblies vertically. Connect them by installing bottom rail, center rail, and closed base fronts (see Figure 3a), as shown in Figure 3.

IMPORTANT!

DO NOT let the framework stand alone until a back panel is in place. Center rolls must be used.



6336 PERSHING DRIVE
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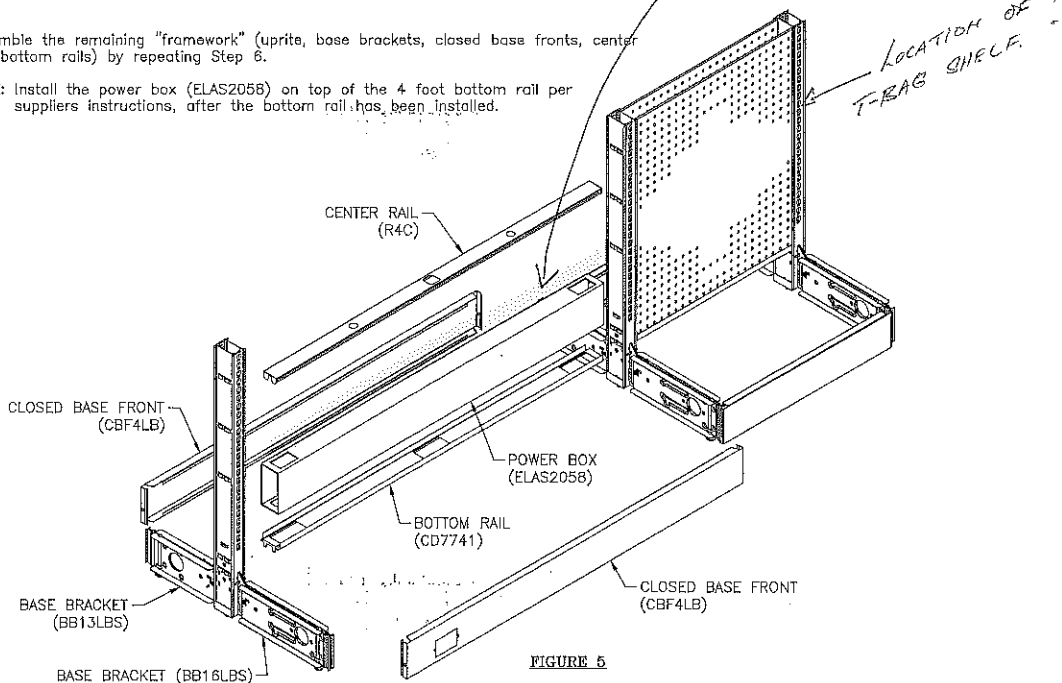
84537 REV. B
QT# 95750 11-19-13
PAGE 9 OF 24

INSTALLATION INSTRUCTIONS

SINGLE BAG STATION

STEP 8: Assemble the remaining "framework" (uprite, base brackets, closed base fronts, center and bottom rails) by repeating Step 6.

NOTE: Install the power box (ELAS2058) on top of the 4 foot bottom rail per suppliers instructions, after the bottom rail has been installed.



6336 PERSHING DRIVE
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MISSING
PART
SHIPPED IN
DEP'S POWER BNC
KIT

INSTALLATION INSTRUCTIONS

SINGLE BAG STATION

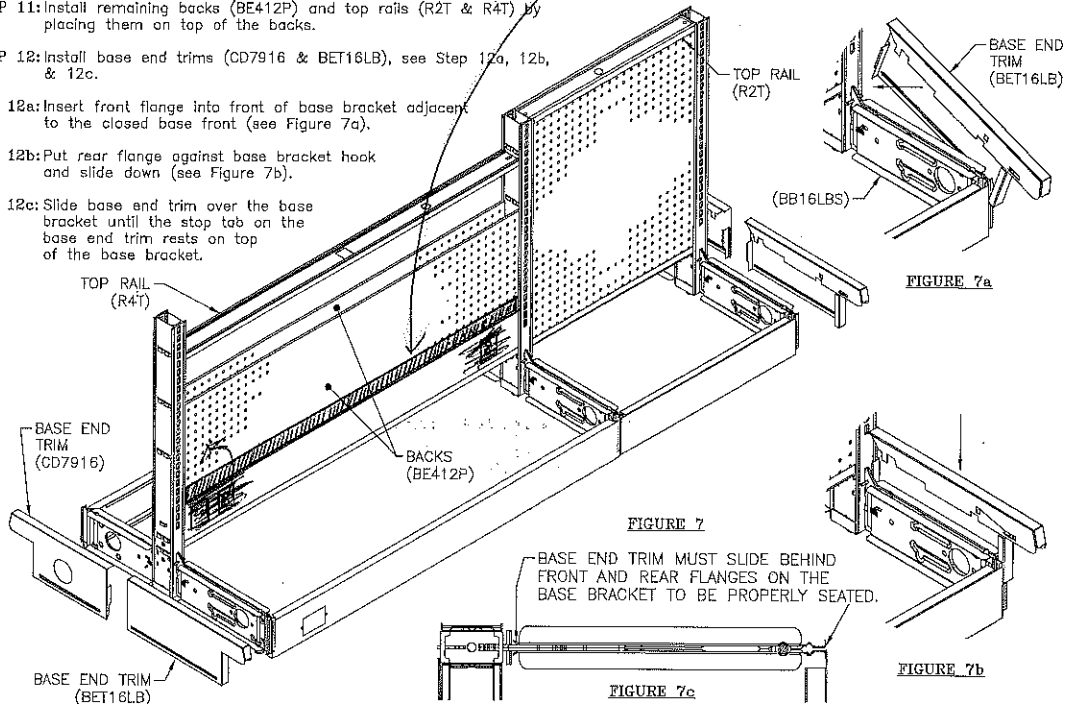
STEP 11: Install remaining backs (BE412P) and top rails (R2T & R4T) by placing them on top of the backs.

STEP 12: Install base end trims (CD7916 & BE16LB), see Step 12a, 12b, & 12c.

12a: Insert front flange into front of base bracket adjacent to the closed base front (see Figure 7a).

12b: Put rear flange against base bracket hook and slide down (see Figure 7b).

12c: Slide base end trim over the base bracket until the stop tab on the base end trim rests on top of the base bracket.



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INSTALLATION INSTRUCTIONS

SINGLE BAG STATION

STEP 14: Install doorkit endtrim onto middle uprite on the side with 13" decks.

STEP 15: Install six multi-purpose brackets, positioned as shown in Figure 9, into top slot of each uprite. Install three MPBF16 on the same side that has 13" deep decks and three MPBF7 on the same side that has 16" deep decks.

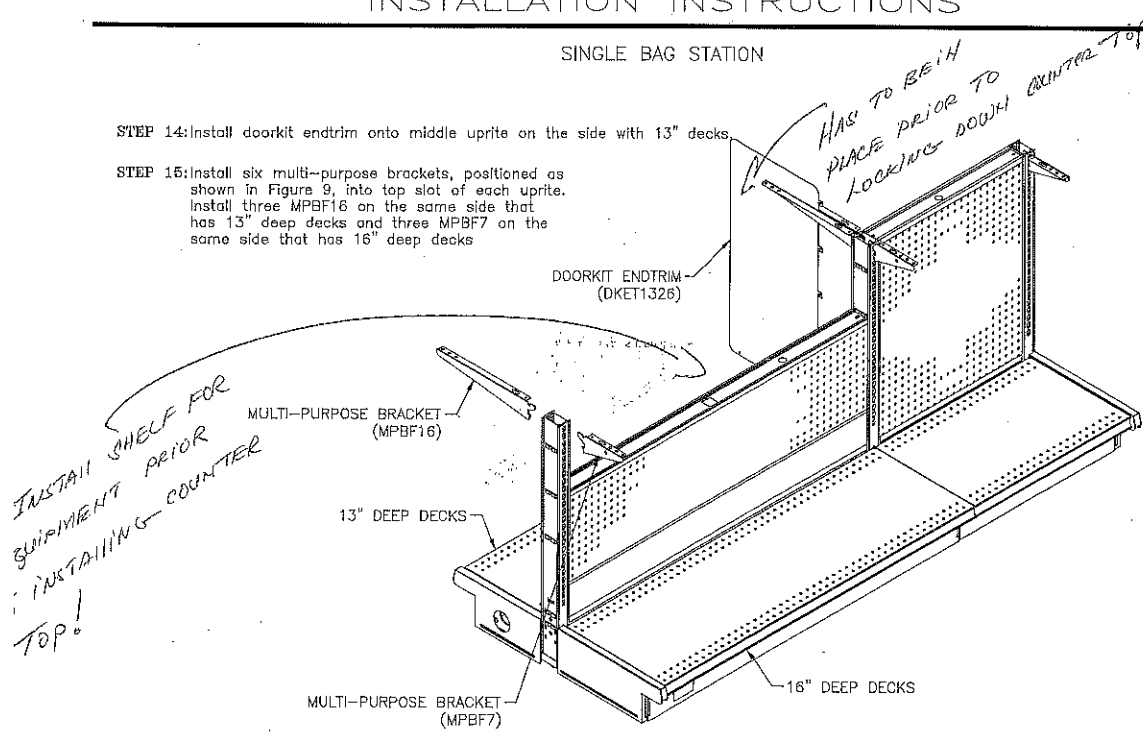


FIGURE 9

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INSTALLATION INSTRUCTIONS

SINGLE BAG STATION

STEP 18: Position counter top per dimension shown in Figure 12 on page 18. Secure the counter top to the multi-purpose brackets with sixteen #10 x 5/8" truss head screws thru the brackets into the bottom of the counter top.

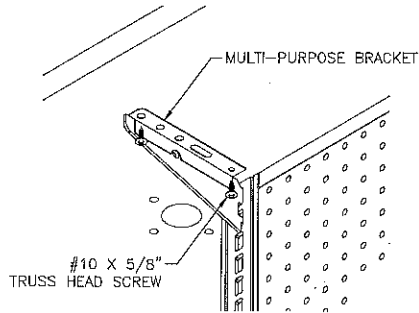


FIGURE 11a
VIEW FROM
UNDERNEATH
TOP

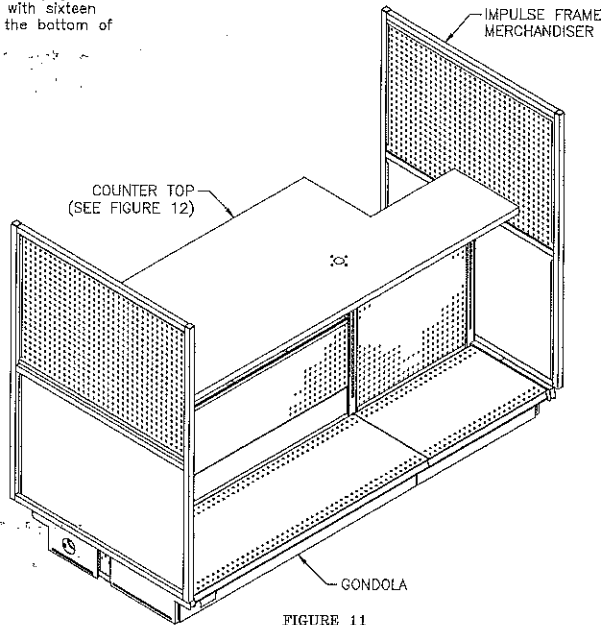


FIGURE 11



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INSTALLATION INSTRUCTIONS

SINGLE BAG STATION

STEP 19: Secure spacer (WCE1291) to underside of counter top, per dimensions shown below, with five #6 x 2" dry wall screws (see Figure 14 on page 20).

STEP 20: With the pullout shelf secured in the "closed" position, position pullout tray (WMB4403) as shown in Figure 15 on page 21, approximately centered in the opening of the spacer (WCE1291). Secure to the underside of the counter top with six #10 x 5/8" truss head screws.

STEP 21: Slightly loosen (2) screws in bottom of pullout tray to allow pullout shelf to function properly. DO NOT REMOVE SCREWS.

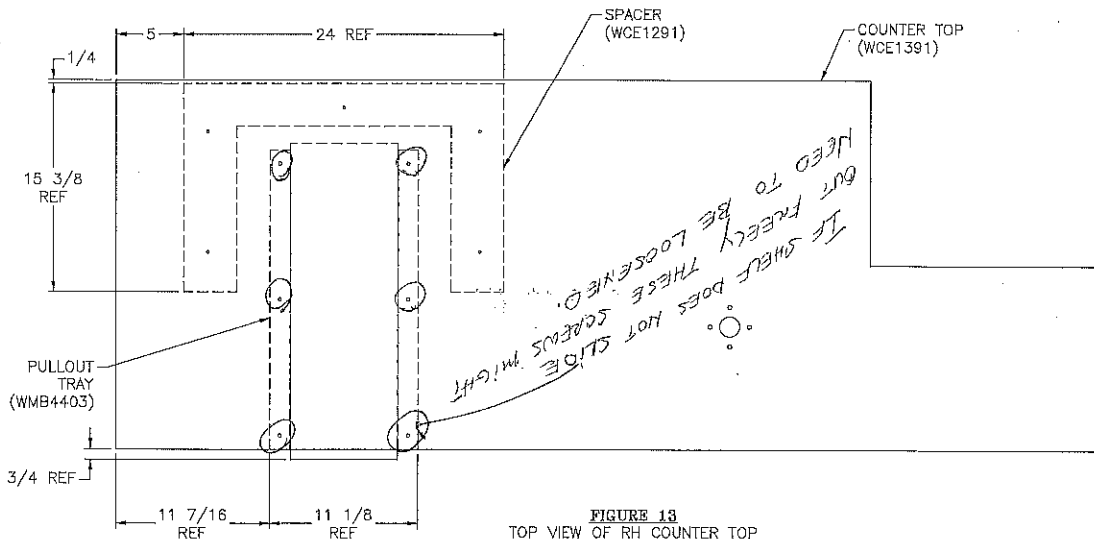


FIGURE 13
TOP VIEW OF RH COUNTER TOP
(LH OPPOSITE AS SHOWN)

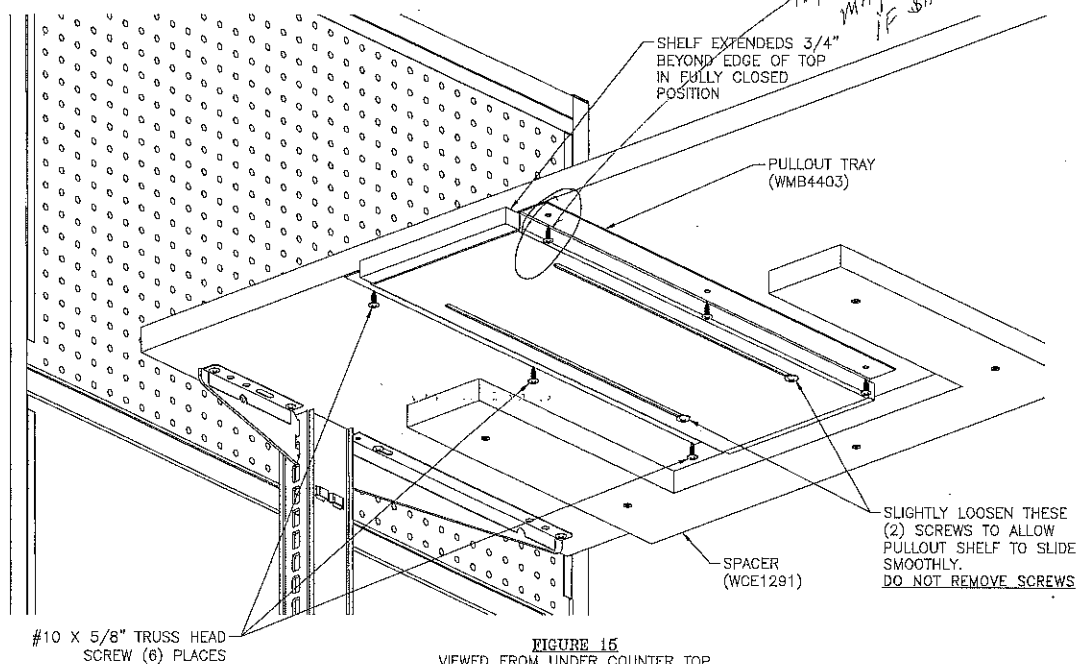


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INSTALLATION INSTRUCTIONS

SINGLE BAG STATION

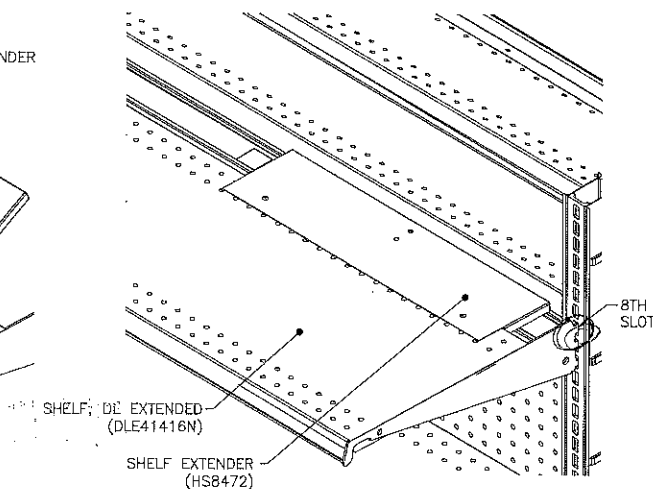
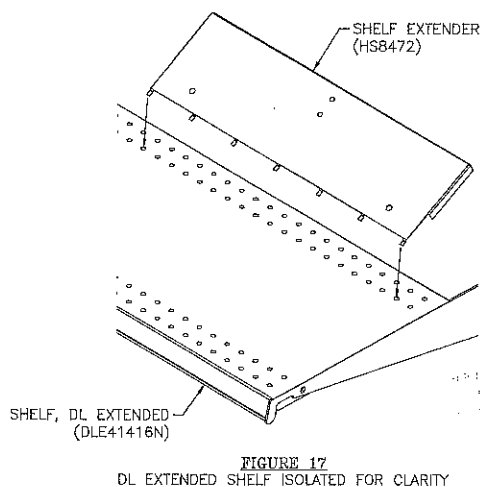


INSTALLATION INSTRUCTIONS

SINGLE BAG STATION

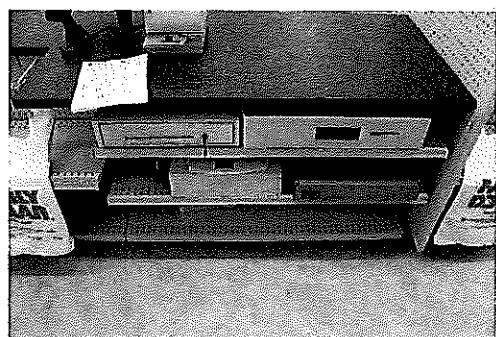
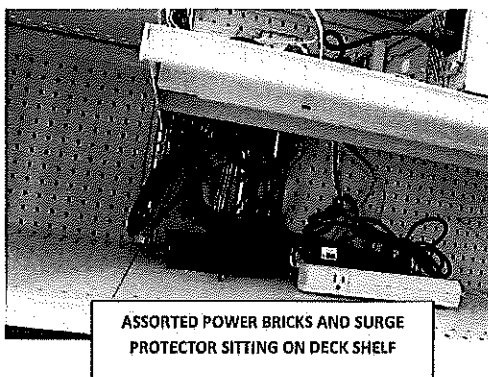
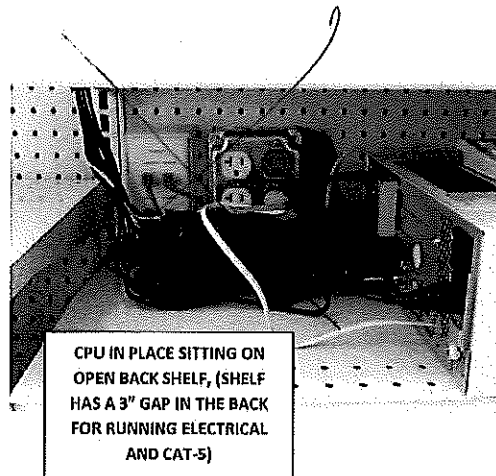
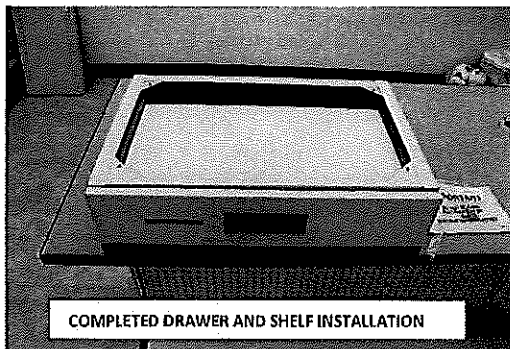
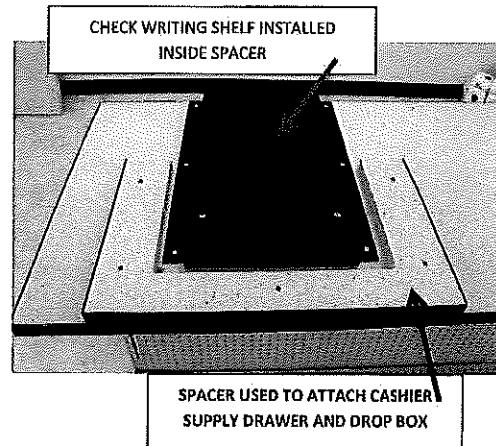
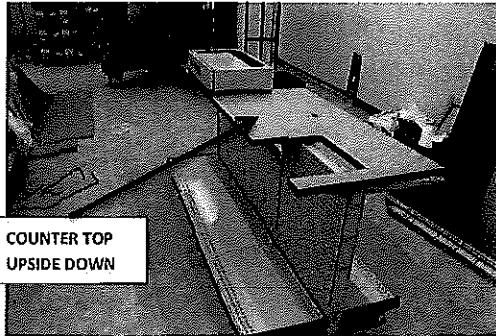
STEP 23: Position DL extended shelf in 8th slot of uprights as shown in Figures 18 & 19.

STEP 24: Install shelf extender (HS8472) onto back of DL extended shelf (DLE41416N) in desired location as shown in Figures 17 & 18. Shelf extender helps support deeper cash drawer equipment supplied by others.



LOZIER CASH WRAP COUNTER TOP INSTALLATION

Note: Turn counter top upside down and install equipment that is attached to the bottom of the counter top prior to fastening it to the shelf brackets.



Minimum specifications for Ground Up location Phone lines To provide to Vendor

Please ensure the provider can meet these Minimum requirements.

- Right of Entry
 - Determine access to property from Telephone provider's equipment
- Placement and size of conduit
 - Standard conduit size of 2" (with pullstring), unless otherwise stated by local code.
 - Two conduits to be installed; one for telephone service and one for cable services
- Facility cable/pairs are available
 - Minimum 6-8 pair cable/pair facility should be requested for up to four telephone lines and possibly ADSL services.
 - One main number
 - One or two fire alarm lines needed per local municipality and lease agreement
 - One line for managed security system with Risk 4.
- Terminal in place
 - Ensure new store has a terminal in place that provides telephone service to the site.
 - The DMARC and RJ11 should always be installed in the lower left hand side of the communication board.

6 Months prior to project possession:

- Establish an E-911 Address
- Order Preliminary Phone number.

Installation (1 to 3 Months prior to projected possession)

- Access to bldg. and/or phone room
 - To allow the telephone technician to bring the telephone service from the terminal, phone room or pole into our space and install the DMARC on the lower left hand side of the communication board with a RJ11 jack.
- Permanent Power (to be established by the General Contractor)
 - Permanent power has to be provided prior to installation of telephone service per FCC regulations.
- Conduit w/Pullstring
 - Install conduit with pullstring based on the location determined in the engineering site survey.

Once telephone service has been installed

- Developer/LL/GC will test for an active dial tone from the jack installed on the communication board in the stock room.
 - Phone bill is to be routed to Asentinel to be paid on behalf of Family Dollar.
-



CONSTRUCTION ADVISORY

14-07 Issued 12-31-13

Subject: Removal of Exterior Motion Sensors, Horns and Strobes on Metal Buildings

To: All Developers, General Contractors, Architects and Ground Up Construction Project Managers.

High Importance: Implement Immediately

Issue: Continued false alarms caused by the systems. Numerous neighbor and Police complaints from the siren going off.

Resolution: Family Dollar Loss Prevention will be implementing new security devices that eliminate the need for these sensors.

Action Required:

1. If equipment has been ordered from EDI, Do not install the system. Notify your Project Manager so that s/he can make sure this does not show up as a Punch List item
2. If equipment has not been ordered, do not place the order. Notify your Project Manager so that s/he can make sure this does not show up as a Punch List item

Attachments: None

Please contact your Family Dollar Construction Project Manager with any further questions.

**Contact: Bryon Scott, Family Dollar Construction Department
P.O. Box 1017, Charlotte, NC 28201 * 704-708-1654
E-mail: bscott1@familydollar.com**



CONSTRUCTION ADVISORY

14-08 Issued 1-2-14

Subject: Fur Strips

To: All Developers, General Contractors, Architects and Construction Project Managers.

High Importance: Implement Immediately (1-2-14)

Issue: Change in how Family Dollar Store Development installs wall fixtures

Resolution: Deletion of perimeter wall fur strips.

Action Required:

1. If the fur strips are installed, leave them in place.
2. If fur strips are not installed, they are no longer required and do not install them. No replacement material is needed.
3. California and locations that require Seismic anchoring will still need to install the fur strips.

Attachments: None

Please contact your Family Dollar Construction Project Manager with any further questions.

Contact: Bryon Scott, Family Dollar Construction Department
P.O. Box 1017, Charlotte, NC 28201 * 704-708-1654
E-mail: bscott1@familydollar.com

CONSTRUCTION ADVISORY

14-01 Issued 10-14-13

Subject: New Communication Board Layout and Stencil

To: All Developers, General Contractors and Construction Project Managers.

High Importance: Implement Immediately

Issue: Having proper space for the networking rack on the Communication Board after all other vendors have landed their equipment on the Communication Board.

Resolution: The Communication Board layout has been modified to reflect current needs and layout stencil reflecting modification to be provided to the General Contractor.

Action Required:

1. The Lighting Control Panel (Surveyor Panel) will now be located next to the electrical panel that has the light breakers not on the Communication Board.
2. Horizontal hung Communication Boards will no longer be accepted. The Communication Board will need to be hung vertical, with the bottom of the board 2'0" a.f.f. and the top 10'0" a.f.f.
3. Communication Board will be fire retardant plywood, with a UL Classification Stamp and meets or exceeds requirements for Class1 or Class A flamespread rating (IBC 2012 Section 2303.2). Board is not to be painted except for the stencil transfer.
4. Transfer the Stencil using a black or red spray paint. It takes less than ½ can of paint per stencil. The stencil should be applied prior to mounting the board on the wall to make sure the anchors are not placed in areas marked for equipment.
5. The General Contractor will supply the Ground Bar and the two 20 amp IG outlets at the location indicated
6. The General Contractor will provide two 2" conduits with pull strings for phone and data feeds. At the communication board the ends will terminate within 6" to the left of the communication board at 30" a.f.f. The opposite end of the phone line will terminate at either the existing Demark or phone pedestal. The Data conduit will terminate exterior point of entry or pedestal as determined by the Data provider.
7. A photo of the installed Communication Board along with the UL classification stamp and transferred stencil prior to any equipment installed is to be sent to your Project Manager.

Stencils will be distributed by the Project Manager on existing space renovations. On Ground Ups, the stencils will be shipped to the Developer to distribute.

Budget Implication: None. The savings in the not using Fire Retardant Paint will offset the cost of normal conduit runs. (If additional funds are needed, consult with your project manager prior to doing work.)

Attachments: Copy of the new Communication Board. Stencils will be provided to you shortly.

Please contact your Family Dollar Construction Project Manager with any further questions.

IRRIGATION
CONTROL
(IF APPLIC)

FIRE
ALARM
CONTROL
PANEL
(IF APPLIC)

AHU-1

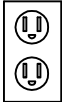
AHU-2

AHU-3

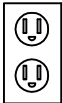
AHU-4

BURGLAR
ALARM
CONTROL
PANEL

DATA
CONC.



SURGE
PROTECTOR



I-VERIFY
T1

CABLE,
DSL OR T1
MODEM

PUNCH
DOWN


D-MARK



HUBBELL
EQUIPMENT
ENCLOSURE


BURG.


TELE.


GRD-BAR


FIRE

CONSTRUCTION ADVISORY

14-02 Issued 10-16-13

Subject: Receiving Door Light

To: All Developers, General Contractors and Construction Project Managers.

Medium Importance: Implement As Soon As Possible, and with all stores opening 11-14-13 or later

Issue: Security Issue; receiving door light not being on while the store is occupied.

Resolution: Connect the receiving door light to the Energy Management System (Surveyor Panel).

Action Required:

1. Eliminate the switch at the receiving door.
2. Wire the Receiving Door Light with the rest of the site lights, controlled by the site light contact in the Energy Management Panel.
3. Continue to provide a 110 outlet at the interior of the receiving door, for the truck fans.

Budget Implication: It has been determined this is cost neutral and no budget change is needed. If this change causes a cost overrun discuss with your Project Manager prior to performing work.

Attachments: None

Please contact your Family Dollar Construction Project Manager with any further questions.

CONSTRUCTION ADVISORY

14-03 Issued 10-17-13

Subject: Venstar Install Vendors

To: All Developers, General Contractors and Construction Project Managers.

High Importance: Implement Immediately

Issue: Family Dollar has experienced high failure rate of commissioning the Venstar System.

Resolution: Family Dollar has restricted the installation to three approved Vendors.

Action Required:

1. The General Contractor is to contact one of the following Vendors 6 weeks prior to needing the work completed. Provide the Vendor with the number of HVAC Units.
2. The Vendor will order the equipment and have it shipped. (4 week lead time.)
3. The Vendor will install the equipment and commission it.
4. The Vendor will be responsible for return trips if Venstar is not fully functional.
5. GC is responsible for paying the vendor as part of the GC contract with FDS.

The Approve Vendors:

Enis Pacavar Sylvania Lighting Services Enis.Pacavar@sylvania.com 978-395-1807 office 129 Portsmouth Ave Exeter, NH 03833	James Stover Stover Electric, Inc. james@stoverelectricinc.com 805-581-0740 office 469 Grinnel Court Simi Valley, CA 93065	Adam Veltman Advance Energy Mgmt. adam@goaem.com 616-889-5109 10052 US Hwy 31, Montague, MI 49437
* \$4,600 for first two A/C units. * Cost per additional A/C unit is \$400 each.	* \$5165 for up to four A/C units. * Cost per additional A/C unit is \$540 each.	* \$5,100 for up to four A/C units. * Cost per additional A/C unit is \$500 each.

Budget Implication: None. This was implemented as part of the 12-02 Family Dollars Prototype Plans and part of the Scope of Work starting March, 2012.

Attachments: None.

Please contact your Family Dollar Construction Project Manager with any further questions.

CONSTRUCTION ADVISORY

14-04 Issued 10-30-2013

Subject: Lock Box

To: All Developers, General Contractors and Construction Project Managers.

High Importance: Implement Immediately

Issue: Family Dollar gaining access to space at possession

Resolution: Family Dollar requires lockbox with last 4 digits of store number.

Action Required:

1. General Contractor will install a lock box that can be set to the last 4 digits of the store number (Master Lock 5400D or similar).
2. On Ground up locations, the lock box is to be installed prior to issuing the Delivery Notice to Family Dollar.
3. On existing space retrofits, the lock box will be installed at the start of construction.
4. Lock Box will contain the front door key.
5. Lock box will be placed on the front door handle (or as close as possible).



Budget Implication: None. This was implemented as part of the 2012-01 Family Dollars Prototype Plans and part of the Scope of Work starting November 3, 2011.

Attachments: None.

Please contact your Family Dollar Construction Project Manager with any further questions.



CONSTRUCTION ADVISORY

14-05 Issued 12-11-13

Subject: Fixture Plan Drawings

To: All Developers, Architects, Construction Project Managers and Store Development.

High Importance: Implement Immediately

Issue: Accurate and Timely Fixture Plans

Resolution: Family Dollar Store Planning will move the date of drawings to coordinate with commencement of construction.

Action Required:

1. Developer / Architect will provide AutoCAD and PDF copies of Family Dollar and City/County Stamped Approved plans. Plans will include all dimensions as required on As-Built and resemble the floor plan as shown on Sheet A-1 of the prototype plans. Both the PDF and AutoCAD files are to be placed on Accruent two weeks prior to construction starting.
2. Developer / Architect will notify the Family Dollar Project Manager when plans are posted to Accruent.
3. Using the PDF file the Project Manager will review the plans to make sure it meets Family Dollar requirements in the lease or purchase agreement, if approved the Project Manager will notify Store Planning to complete the drawings.
4. Provided the building is built to the dimensions on the plan and in a timely manner, there should be no revisions to the fixture plans after store construction starts.

Budget Implication: There is no budget implication.

Attachments: None

Please contact your Family Dollar Construction Project Manager with any further questions.

Contact: Bryon Scott, Family Dollar Construction Department
P.O. Box 1017, Charlotte, NC 28201 * 704-708-1654
E-mail: bscott1@familydollar.com