

Darden Installation Guide Book



Introduction

Darden Restaurants is the world's largest company-owned and operated full-service restaurant company. Darden owns and operates more than 1,800 restaurants including Red Lobster, Olive Garden, LongHorn Steakhouse, The Capital Grille, Bahama Breeze Seasons 52 and Eddie Vs. As the exclusive provider of Fire and Security in all new restaurants ADT leverages our position to be the national vendor Darden expects. Meeting the Darden Restaurant needs requires us to work as a team to meet our customer's expectations.

Our commitment to Darden is to provide Consistent, Quality, and On-Time Installations. There is no priority order for these goals. All are expected to be met on all sites.

The goal of the NASC is to provide a cooperative approach between the NASC team and Local managers. Together we will meet the customer's expectation and needs.

Darden has specific install dates and on site requirements for ADT. Darden's construction volume and professional construction management team enables a predictable schedule and accuracy in estimating completion times. Review the project schedule and communicate any challenges in meeting the schedule to the NASC team.

Five areas are unique to the Darden Project

Cooler/Freezer Holdups

Darden specifies a protected Freezer hold up inside any cooler or freezer door with a latch. The protection is detailed in the work book. Confirm the field modified plastic box is ordered by the Branch for the job. This is a Life Safety device! Proper installation and location is vital to protect the Hold Up for continued operation

Duct Smoke Detectors

ADT provides Firelite addressable duct detectors in time for the HVAC contractor to mount on ducts below the unit. Review the installation diagram prior to starting wire pulls.

Energy Management Point of Connection

Darden requires two connections to the CPI energy management panel. Review the plan for details on connections.

Exterior Siren and Strobe

The Strobe and Siren have separate connections; review the installation diagram prior to starting wire pulls.

Wire Routing

When routing and securing wires or cables, all wire must be fully supported by the building structure including between trusses. Run wire in approved hangers, routed parallel to building lines, at right angles to building lines unless required by local authority having jurisdiction. Use Tie wraps for bundling and placing wire only (ADT Best Practices)

Project Schedule

Darden Job Management will require a phased approach to installation. Review each phase to stay on track with meeting the Darden Completion Date.

Phase - 1 System Design and Customer Contract

All systems are designed by the ADT Systems Engineering group in Birmingham AL. The Install Team Manager must sign off on any plans requiring more than 80 hours. Final contracts are created by the NAM using the local input and Darden requirements. Local management is encouraged to review ALL Fire Alarm Estimates prior to contract signature.

Phase - 2 Booking and job distribution

Jobs are booked in Compass approximately 90 days before the turn over date. Detailed site specific plans are attached as a PDF file to every Compass estimate

Phase - 3 Permitting

Each jurisdiction has specific requirements regarding permitting Security and Fire Alarm submittal and approval. Each office is required to initiate permit applications within seven days of job receipt. Notify the National Account Support Team when the permit is applied for, expected return date and when the permit is issued. If a PE stamp is required, use local resources or request stamped drawings from GDS our national provider.

Phase - 4 Equipment ordering

Equipment must be ordered within four weeks of pre-wire date. This is necessary due to the customer's request to have the HVAC contractor mount addressable duct detectors and recess all control panels into the office wall.

Phase - 5 Equipment Deliveries

Three weeks before the prewire date, deliver the Fire Alarm enclosure, Addressable Duct Detectors, and Security Alarm enclosure to the general contractor. Remove the boards from the enclosures before delivering to site. The General Contractor will recess the panels into the framing as part of the building structure. Return the Panel Receipt to the job file for future reference.

Phase - 6 Site visit

The ADT Install Manager will visit the site prior to prewire to deliver the permit with approved plans to the General Contractor and review device placement with the Electrical contractor. It is the Electrical Contractors responsibility to install conduit and back boxes for wall mounted Fire Alarm devices. The Burglar system will require conduit for the keypad, the freezer/cooler holdups and the manager's office holdup. ADT BA and FA prints are included in the GC Master plans. Confirm the site plans match our permit set, any discrepancies cause unnecessary work. We must confirm exact conduit placement and review the dedicated 110 volt circuits in time to request corrections. Review the site plan for outside Sprinkler valves not on our plan; notify the NASC of any additional points requiring a rider.

Phase - 7 Kick Off conference call

The Project Manager or Installation Coordinator will schedule a conference call prior to prewire. The Install Manager, local project manager and installer or subcontractor should attend. The work plan, Install Guide and site specific drawings must be available for review.

Phase - 8 Pre-wire

Darden's expects the site will be pre-wired with two techs over a two or three day period with all wire runs complete. All contacts must be recessed into door frames as part of the prewire to allow painting to match the frame. All low voltage wire is to be supported by building structures or ADT provided supports, stringing wire between trusses is not acceptable.

Phase - 9 Trim-out

The local installation team will perform all trim-out work possible when on site. We are to continue trim out regardless of site deficiencies. Confirm the availability of all Points of Connection and notify the GC of any issues. If power and phones are not present at time of trim-out, the installation coordinator must be notified. It is typical for restaurants to get power and phone at the last minute and schedule final inspections within 24 hours

Phase - 10 Inspections

All inspections are to be coordinated by the local office with the GC and must be performed on dates established by the GC and Darden Project Manager. ADT must be on site for all inspections, any delays caused by ADT will be billed to the branch as per Darden contract.

Phase - 11 Customer training and turnover

Manager training on the Burglar and Fire alarms will take place after the Certificate of Occupancy is issued when Darden Management reports on site. Contact NASC coordinator for confirmation of date and time. Customer will sign the ADT acceptance form after training.

Phase - 12 Quality Assurance Inspections

A National Account project manager or NAFSS, not associated with the installation department will be performing the Quality Assurance inspection and returning digital pictures and the Darden QA form to our project team. A copy of the Quality Assurance Survey is attached. Photos of typical and acceptable installation methods will be provided in the QA guide. There is no reason that any site should not get a 100% score on this Survey.

Date		Town/		Customer		CSE	
Bahama Breeze	Capital Grill	Loughmohr Steakhouse	Olive Garden	Red Lobster	Seasons 52		
Restaurant:		Address:		City:		ST:	Zip:
Manager's Office Protection							
Is there a motion detector backing up the Manager's office door?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, explain:							
Is a holdup device mounted under the Manager's desk?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, explain:							
Is the alarm panel partially recessed in the Manager's office wall?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, explain:							
Is there a high security contact on the safe?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
Notes: Season 52: On the bottom safe door only							
Bahama Breeze: Change Fund Safe in office area, Drop Safe in prep area							
If no, explain:							
Are all Fire Alarm Remote Test Switches (RTU) clearly and professionally labeled?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, explain:							
Premises Protection							
Are all exterior doors contacted, including outside access mechanical rooms?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, explain:							
Are all door contacts embedded, including the Manager's office?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, explain:							
Is there a contact on the roof hatch?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, explain:							
Is there a motion detector backing up each perimeter door, including the front doors?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, explain:							
Is the burglar alarm touchpad mounted inside the restaurant (not the vestibule)?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, explain:							
Does the burglar alarm touchpad have a polycarbonate cover, Item# ST1-SF8950?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, explain:							
Is there an exterior siren with a blue strobe light mounted?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
Note: Location of the exterior siren will be determined by the General Contractor.							
If no, explain:							
Describe location of the exterior siren:							

Date		Town/		Customer		CSE	
Bahama Breeze	Capital Grill	Loughmohr Steakhouse	Olive Garden	Red Lobster	Seasons 52		
Restaurant:		Address:		City:		ST:	Zip:
Freezer Protection							
Specifications: A cover / freezer / heater cooler holdup (3046CTW-ADT) will be mounted 18" (h) x 18" (w) on the hinge side of door and protected by a 4" by 4" PVC box with no cover and top out open. Note: Holdup devices are not required to be installed in a cooler with an alarm door (varies both ways).							
Is the holdup device, Item# 3046CTW-ADT, installed as per the specifications above?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, explain:							
Fire Alarm Protection							
Are the primary and secondary telephone lines connected as per the workplan?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, explain:							
Are all Audio Visual devices in the dining area white?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, explain:							
Are all fire alarm devices installed as per site specific fire alarm workplan?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, explain:							
Knowledge Transfer							
Has the General Manager and team been trained on the operation of the burglar and fire alarm?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
Is the General Manager aware that there are two systems; burglar and fire alarm that communicate separately with individual procedures?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
Have the alarm system instruction manuals been left with the customer?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
Does the General Manager have a Master Code?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
Does the General Manager have a Personal Identification Code (PIC)?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
Has the General Manager and team been instructed on the use of the Duress Code?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
Has the General Manager been given the reset keys to the holdup device under the Manager's desk?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
Has the premises been identified with ADT decals?						Yes <input type="checkbox"/>	No <input type="checkbox"/>
Inform the General Manager that Darden has two on-site ADT representatives: • Bruce Paul (407) 245-4551 • Hilda Cigallan (407) 245-4554							
Comments:							
ADT Representative Information							
Name:							
E-mail:							
Cell Phone:							

DARDEN WORK PLAN

There are site specific BA and FA drawings for this restaurant. If you do not have these drawings, see the Installation Manager, or local ADT NAFSS, do not start without proper drawings.

Only the Darden Project Manager (GC's boss) is authorized to make on site changes to the Work Plan or the site specific drawings. Notify the NASC Installation Coordinator of any change requests. Changes authorized by the Darden Project Manager should be documented and signed on a F5157-00 change order prior to starting any work. Changes to the Security System must be authorized by the Director of Corporate Security, Don Slaughter. Changes to the Fire Alarm must be approved by the ADT System FA Designer and the AHJ. The installer should acknowledge all change requests and immediately communicate those requests to the NASC.

GENERAL INSTALLATION NOTES:

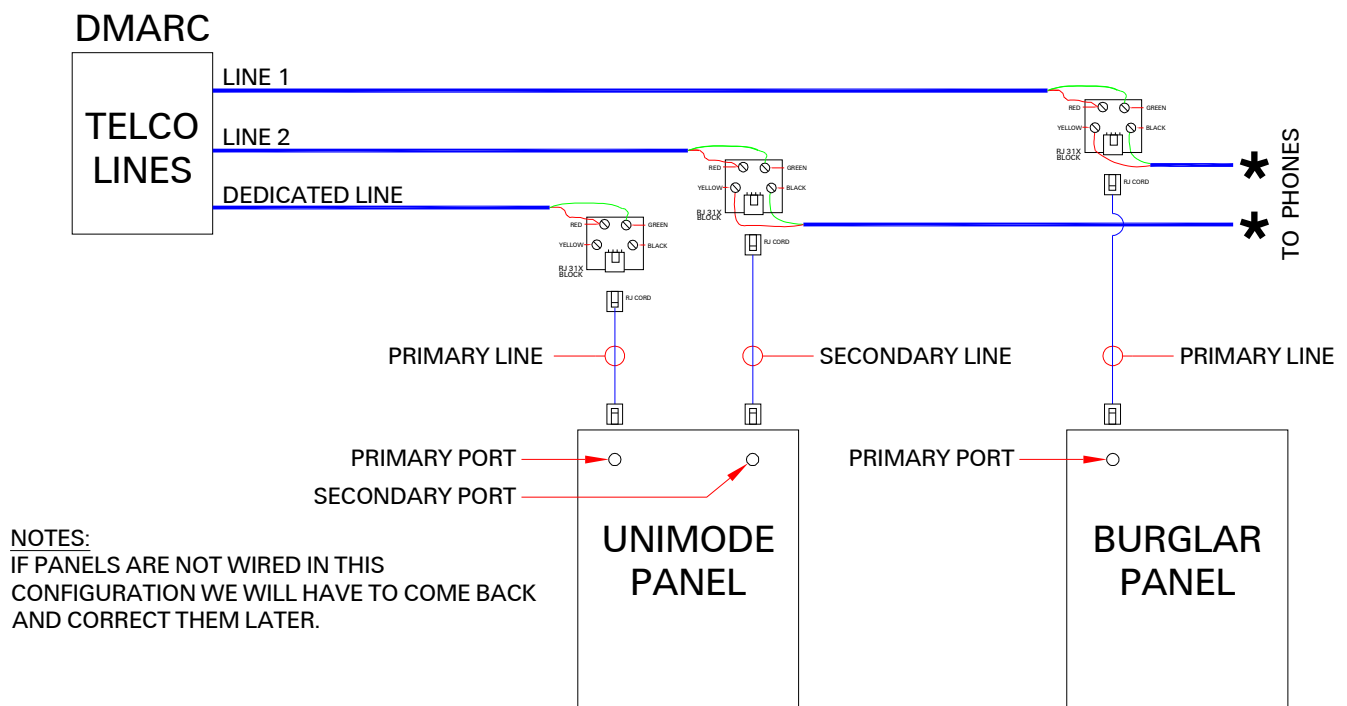
Control Panels

Control Panels are mounted inside the Manager's Office. The Electrical Contractors will accept delivery of the panels during the initial conduit walk through. They will mount and recess the panels as much as possible. Confirm the mounting depth does not hamper the panel door opening.

Phone Lines and Power

Phone Wires and Power are provided by customer. Phone Jacks are wired and punched down to the D-Mark by ADT. Phone jacks should be marked with the numbers for panel connection. Darden provides the numbers to ADT in advance; the NASC forwards the numbers to the Installation Manager. Please contact the ADT NASC Account Coordinator with ANY questions or concerns about the phone jacks or numbers.

Technicians: check with your installation manager and confirm the proper phone numbers per Darden's requirements. Failure to do so will result in another trip to make this happen.



Security System

Keypad:

BA Keypad is surface mounted to a single gang box inside the restaurant. See the site specific plans for location. Ensure the STI cover is mounted squarely over the Keypad.

Contacts:

All doors are protected with embedded ¾" door contacts, and stand alone SIMs. Locate SIMs in 4x4 boxes above the ceiling; wall boxes with blank plates are not acceptable. Mechanical rooms, external storage areas and kitchen doors must be contacted with embedded ¾" during the prewire while access to the frame is possible. Weather tight flex may be needed to reach the area or install the contact. The Manager's Office door is protected with a recessed SIM contact. The Roof Hatch requires an Overhead Door Contact. The safe is mounted on a custom poured concrete pad in the manager's office. Pre-wire the safe wire to the wall beside the safe pad and mount an ADT high security contact on the safe door.

Motion Detectors:

Motions are not to be prewired to electrical boxes, route the prewire to location on the diagram and secure the wire to a support stud.

Motion 1 wall mounted just inside the second set of double doors at the entrance protecting the entry area and looking toward the bar.

Motion 2 wall mounted in the corner of the dining room, next to an emergency exit door. If there is a soffit, mount it below the soffit.

Motion 3 Wall mounted outside of the Manager's Office Door, looking at the office.

ADT Door Stickers:

Apply ADT Security Stickers to every exterior door. Consult the manager before installing stickers on the main entry doors.

ADT BACP and FACP Panel Stickers

An ADT NASC sticker is required on the Security and Fire panel.

Programming Notes:

Codes are sub-programmable; The Master Code will be assigned ONLY to the General Manager, No exceptions. All manager codes should be programmed as "by-passable". Ensure download programming auto answer is programmed for a minimum of 12 rings. The initial call list can include the General contractor for the Fire Alarm inspection. Ensure the managers update the call list as part of the final training. Confirm Arm Code user 88 is programmed as duress with store number as code. For example, if the store number is 1842 the duress code will be 881842. Send one duress code in test signals.

Zone Assignment:

Darden does not specify a zone template. Assign the zones sequentially and provide a zone list during management training.

Hold Up Office:

The Manager's Office gets an armored covered Hold Up Alarm (HUA) mounted under the desk, not on the wall. Route and secure the wire under the desk.

Outside TV Protection –Bahama Breeze Concepts only:

Darden requires a Magna-pull contact on each TV on the open porch area of this concept. The GC is required to get a raceway and j-box from the interior of the building to each TV location. The SIM device will be located inside the attic area and the j-box will contain the splice between the wire and the contact. Connection of the female part of the contact to the TV will be made with a strong epoxy. Location of the contact shall be consistent on each TV and well hidden. The device shall be programmed as a perimeter instant point. The Zone Identifier needs to be unique as there will be an average of 6 TV's per site.

Point of Connection to Lighting Control System:

Mount two Horn Strobe SIM modules with relays above the Carolina Products Inc (CPI) Energy Management System to control the lighting system. Required diodes to be installed ,
Radio Shack Part # 276-1653 Assorted Rectified Diodes. Pack of 25, about \$3.00

Program the SIM connected to ALI as Type 68 ABA, connect to relay as Comm. / NC
Program the SIM connected to ALA as Type 20 OFC connect to relay as Comm. / NO
Option #1 on Relay Type 20 must be "YES".

Confirm each output is operational by watching the MASTER PLC in the panel.
LED 5 is lit when input ALI is correctly connected, it is out during alarm conditions.
LED 4 is out when input ALA is correctly connected, it is on when the system is armed.

All CPI inputs are non-functional until programmed by the factory. Nomad group will test and program the system just after Fire Testing. Any deficiencies are reported to Darden and will require a return trip by ADT to correct the issues and redo testing with CPI factory programmer to enable the point.

Every installer is responsible to confirm the ADT/CPI interface is correctly operating as designed for energy optimization. All panel programs, wiring to the CPI panel and materials are ADT's responsibility; no other trades are needed to complete connections per plan.

ADT Security system must be completed immediately after the Fire system is inspected. A full function test of all points and signaling including checking the CPI on-board LED indicators is required.

One week before management turnover, the NASC will notify the branch to schedule demonstration and testing of the CPI connection with Darden's commissioning group Nomad. Nomad is on site one day only and expects to test the ADT/CPI connection in the afternoon. The Nomad engineer is familiar with the interface operation and will provide guidance if needed. After Nomad witness a complete cycle of system arm, alarm, disarm they will report a successful system test to CPI. CPI will program the master control to activate on ADT input.

If commissioning with Nomad is not completed as scheduled, we must complete testing before turn over and notify the NASC testing is complete. The NASC will confirm arm activity in MAS and notify CPI to review history and confirm the interface is operational and logging activity. CPI will confirm operation and turn on the ADT interface.

If any irregularities are noted in the log ADT will return to correct the connection. The tech must contact the ADT project manager for technical support. The PM will engage CPI for a live test to confirm connections.

CPI will email the Darden Design Group with successful tests.

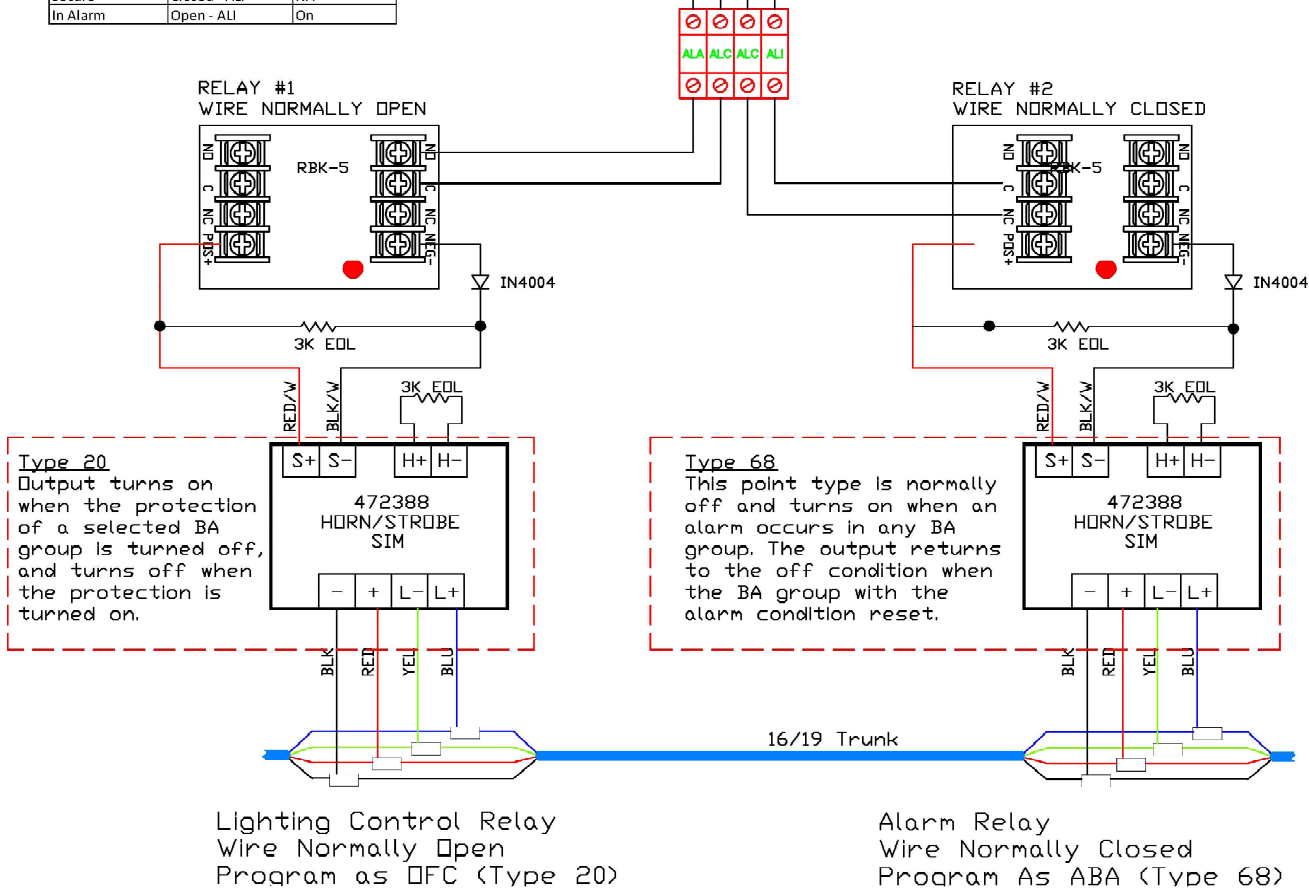
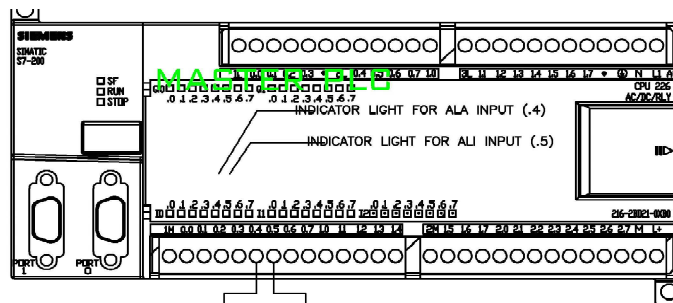
SEE SCHEMATIC ON NEXT PAGE

HVAC CONTROLS (GM6) Interface In CPI Electrical Control Cabinet

LED #5 In CPI Cabinet is on when
ALI/ alarm input is correct

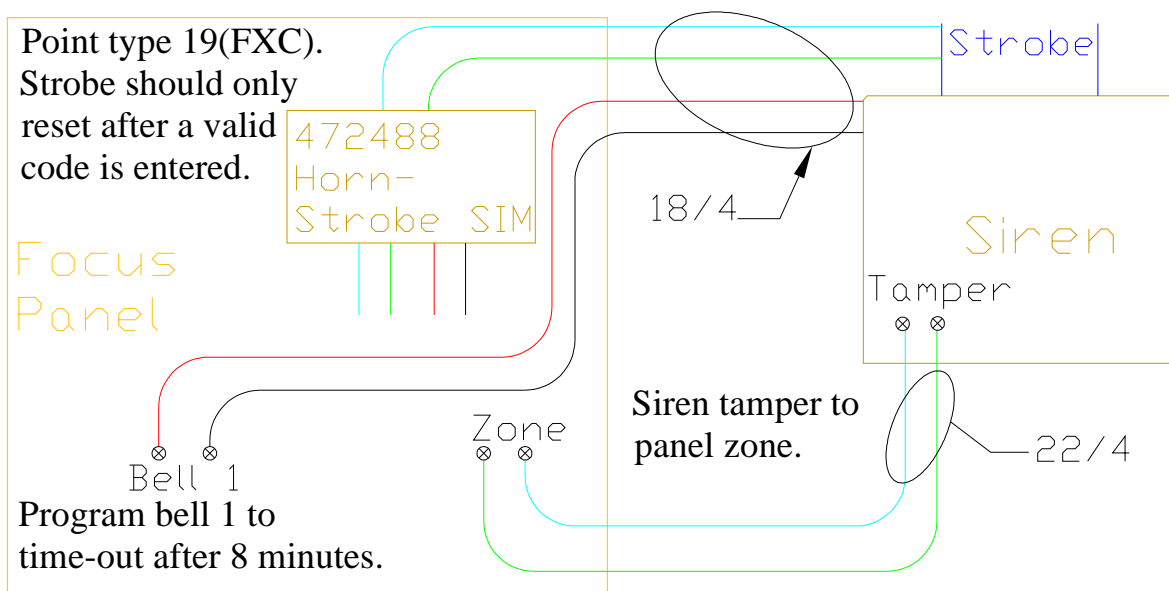
LED #4 In CPI Cabinet is on when
system is armed

	Relay #1	Lights
System Armed	Open - ALA	Off
System Disarmed	Closed - ALA	On
	Relay #2	Lights
Secure	Closed - ALI	NA
In Alarm	Open - ALI	On



Exterior Siren & Strobe:

Mount the exterior siren cabinet in the rear service area 10' above the finished grade level with the strobe on the face of the siren cabinet. Connect the tamper switch to a security panel zone. Connect the strobe to the Horn Strobe SIM module. The siren will time-out but the strobe will continue to flash until the panel is reset. Connect the siren to the panel Bell 1 output. Connect the Siren Cabinet Tamper switch to any zone in the Focus panel.



Hold Up Freezer:

IMPORTANT The walk-in coolers and freezer get the Sentrol Low temperature HUA P/N 3045CTW-ADT inside the locking door.

Mount 18" (+/-) A.F. F., about 6" from the **hinge side**. Check with the GC to find out where the Stainless Steel shelves are going, confirm the HUA button is not hidden by the shelf. HUA buttons are installed only inside freezers and coolers. This is a Life Safety device! Proper installation and location is vital to its ability to operate properly.

The Electrical Contractor will provide conduit inside the freezer terminated in either a single gang box or an LB. Do not accept a metal box installed by the EC as the Hold Up enclosure.

The HUA go inside a plastic 4"X4" "weatherproof" j-box with no cover and the top center cut out. The purpose is if anyone is tied up and on the floor, they can get their foot in the box and activate the HUA. The HUA MUST be protected from damage to avoid false alarms. ADT must supply the PLASTIC box to comply with Darden requirements.

The plastic "weatherproof" j-box HUA should be mounted so that you must pull it down to activate. Please file the edges of the j-box, smooth. The Stand Alone SIM, used for "zoning" these buttons CAN NOT be mounted in the coolers or freezer. Mount the SIM above the unit in a box.

Seal the inside in the JB and outside at the top of the conduit to prevent warm air from outside the freezer condensing in the box



Fire Alarm System

FA INSTALLATION NOTES

This FA panel is an addressable “stand alone” panel not connected to the BA system. All devices are connected with 18 gage 2 conductors FPLP turned cable.

Conduit

The site electrical contractor provides conduit drops and boxes for the wall mounted and exterior Fire Devices. ADT provides all ceiling mount boxes and supports. Review the device placement, box size and routing during the initial on site walk through with the EC and GC. Depending on local requirements, some sites may require conduit to exterior Horn Strobes, Post Indicator Valves or Gate Valves, confirm box placement and the possible need for underground conduit to remote devices with the GC and EC.

Remote Annunciator

The Fire Annunciator is surface mounted to a single gang box in the corner of the foyer, as noted on the site specific plan. Voice Evac Systems require a microphone box be recessed into an accessible location per the site plans.

Horn/Strobe Lights

Ceiling mount NAC devices are used in the dining area. ADT is to provide all ceiling mount boxes and support bars. Do not mount ceiling devices on decorative beams; adjust the location to place the NAC in the center of the ceiling panel. Strobes located in the freezer/cooler can be red. Seal all cooler/freezer conduits at the top and bottom to prevent warm air from outside the freezer condensing into the back box. If the AHJ requires an external Horn Strobe, confirm the GC modifies the building finish to accommodate the external device.

Manual Pull Station

Surface mounted to a single gang box at each exit as directed on the site specific plan. The pull station located at the back door near the slop sink must have an STI cover to protect against water damage. Do not install the STI cover at the main entrance.

Smoke Detector

Typically, one is mounted in the manager’s office above the FA Panel or as directed on the site specific plan. One may be need above the Annunciator per local code.

Sprinkler Point(s) of Connection

Monitor all necessary points on the Waterflow switches, Tamper switches, and Gate or PIV valves. Confirm the points found on site match the site specific plan, report any devices not listed in the plan to the Account Coordinator. It is the installer’s responsibility to confirm the POC are ready prior to final inspection.

Sprinkler Bell

Confirm either the electrical contractor or ADT is installing an external sprinkler bell. If ADT is responsible for the sprinkler bell, confirm a conduit leads to an expectable location, wire the bell directly to NAC 4 and program as sprinkler bell.

Remote Test Switches

Keyed Remote Test Switches are mounted inside the Manager's office. Wire using 18 gage four conductors as per the diagram. Label professionally with a label gun.

RRU (Fresh Air Intake Units)

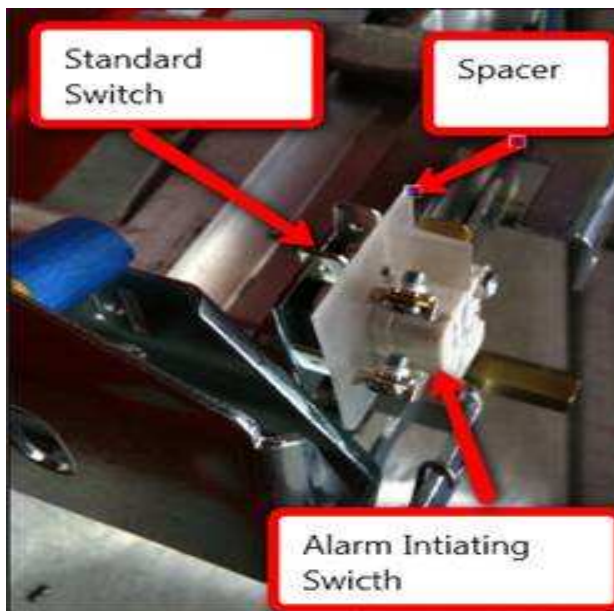
The Concept you are working on may have Fresh Air Intake Unit along with AHU's (Air Handling Unit) or RTU's (Roof Top Unit). Even though they will not have a Duct Detector, they will still need to be shut down. Follow the same procedure as you would to shut down a RTU or AHU. Install a control module connected to the E-STOP.

Control Module for Magnetic Lock Bypass (Longhorn Steakhouse Only)

Darden installs an exterior gate locking system that normally includes a Magnetic or Electric strike. Magnetic locks must be released per code upon fire alarm. ADT will install a Control Module next to the GC installed lock power supply device as POC. Assist the electrician to wire the Control Module depending on the type of locking hardware, fail safe or fail secure.

Ansul System

Darden provides a Dry Contact Micro switch on the tank as the Ansul Point of Connection. Connect the monitor module to terminals screw terminal only. All other points are not listed for Fire Alarm connection and may cause unexpected results. If the Micro Switch is not available, notify the GC and the account coordinator to clear the point.

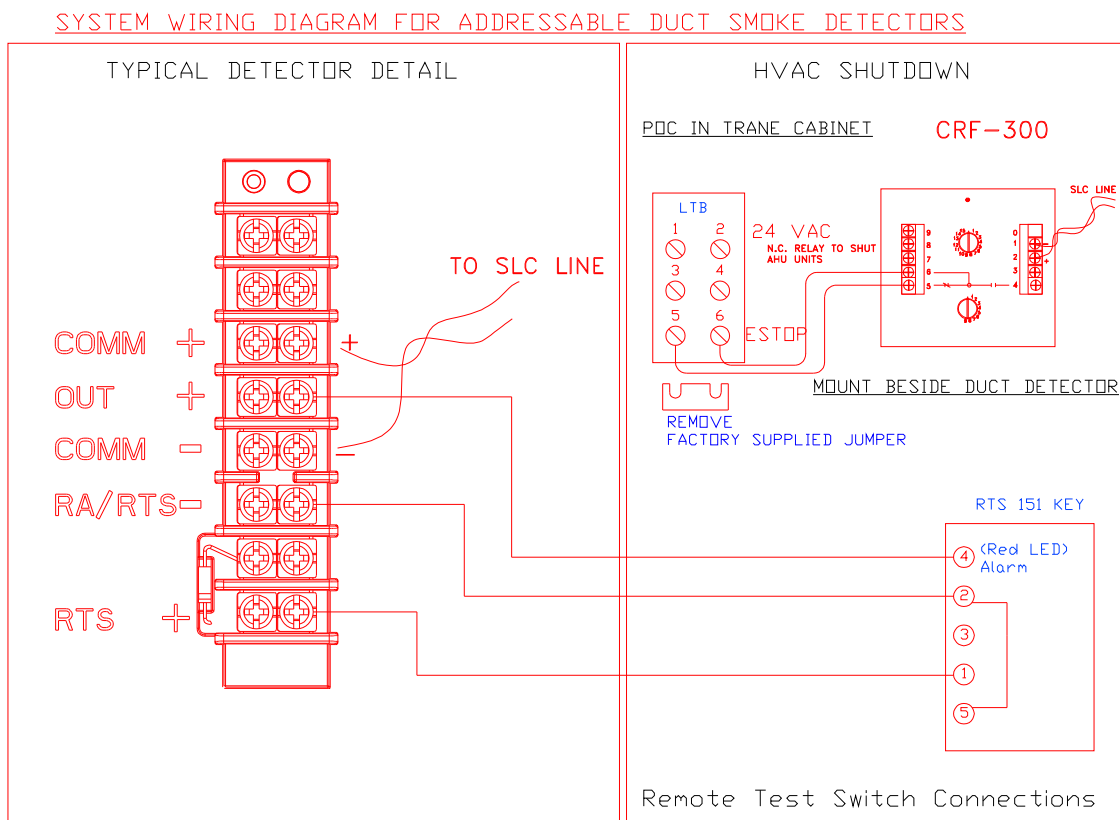


Duct Detectors

ADT provides addressable duct detectors to the HVAC contractor to be mounted in the duct work below the HVAC units. We must work with the HVAC contractor to locate addressable detectors in serviceable locations. Program the Fire Panel for either "Supervisory" or "Fire," signals on Duct Detector activation as per local requirements.

Control Wiring to AHU/ RTU/RRU

All units will have a Control Relay, program as local or global shutdown per local ordinance. Locate the control relay below the HVAC unit within site of the duct detector. Since the E-STOP feature makes it easy for the technician to connect to the unit for shutdown, ADT will run the control wire from the control relay to the E-Stop Connection remove the jumper and land the wire. Control wire shall be 18/2' FPLP or equivalent.





Darden Panel Receipt

To
Red Lobster/Olive Garden/ Longhorn Capital Grill/ Bahama Breeze #_____

Street Address _____

City _____ State _____ Zip _____

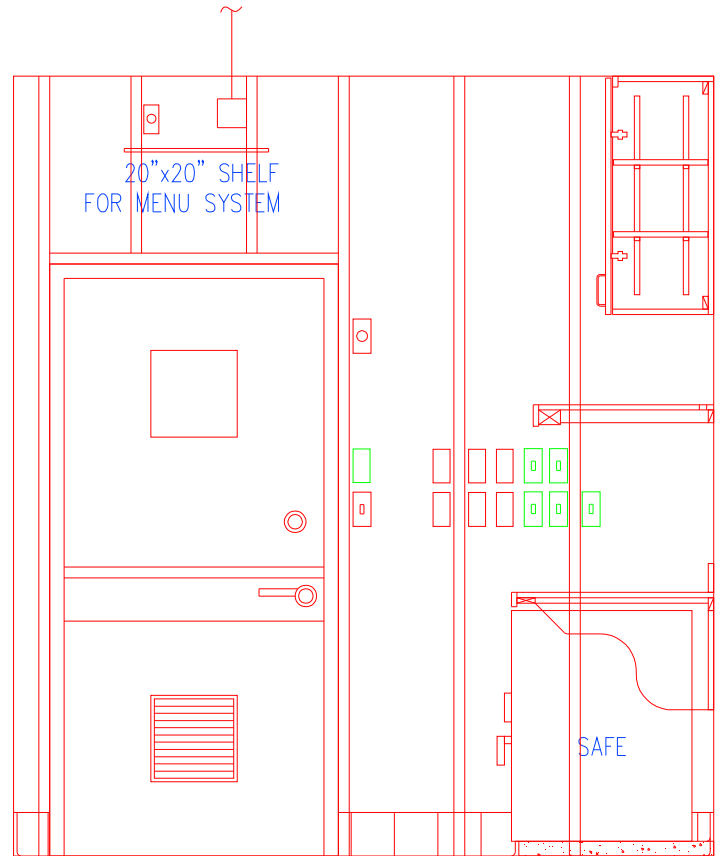
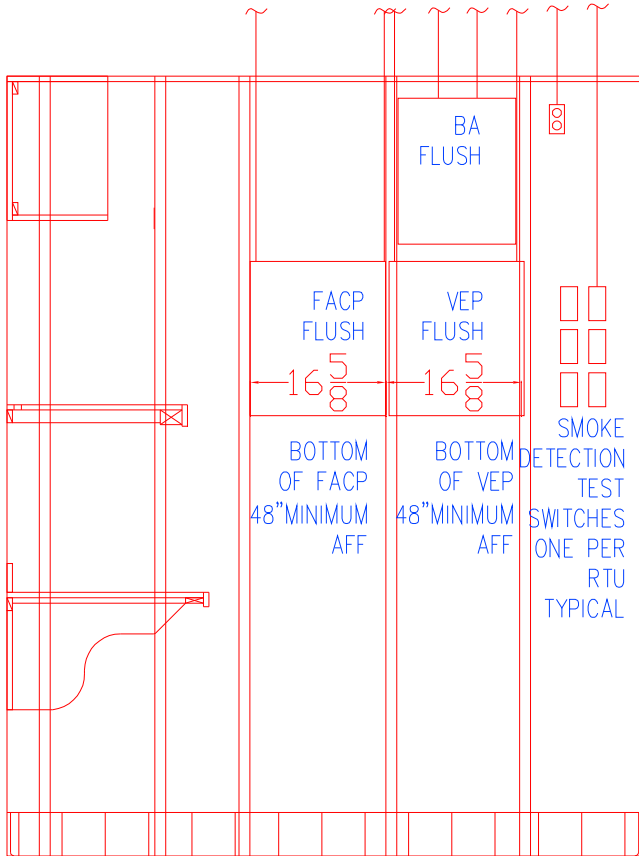
ADT is providing the Alarm Panel boxes in advance of the job start to allow framing, conduit and finish application in prior to our ADT prewire date. All panels are to be mounted in the manager's office per the approved plans included with the building masters. Review the attached detail drawing for wall layout and framing requirements.

- 1 Firelite Fire Alarm Panel 19"H x 16 5/8 W x 5 3/8 D
- 1 ADT Focus Cadet Security Panel 18 1/4 H x 14 1/4 W x 4 5/8 D
- ___ Firelite Addressable Duct Detectors

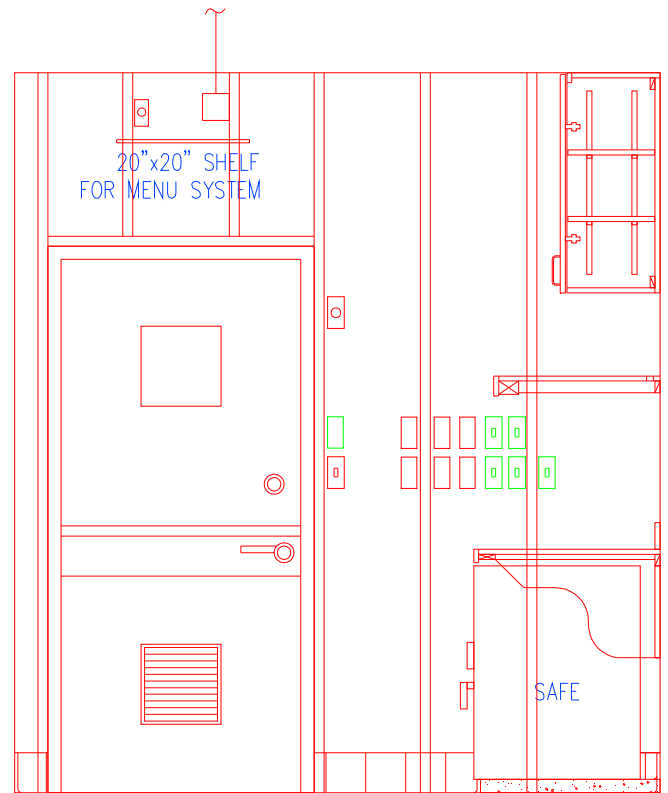
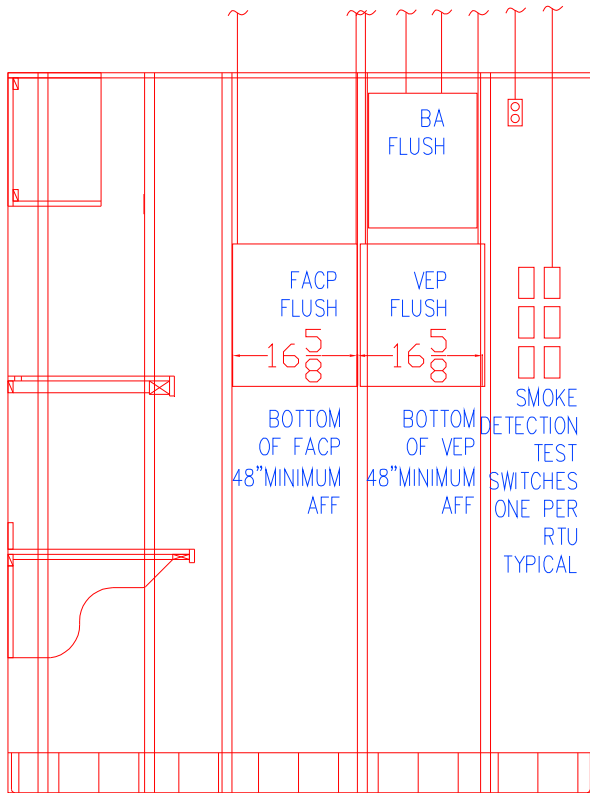
Job Site Superintendent

Print Name _____ Cell Phone _____

Signature _____



Standard Installation



Voice Evacuation Panel Added