



**FIRE PROTECTION/SECURITY NOTES:**

- ALL BOXES & CONDUIT SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR. ALL CONDUIT SHALL BE 3/4" UNLESS NOTED OTHERWISE. PROHIBITED.
- ELECTRICAL CONTRACTOR SHALL PROVIDE 120 VAC TO FIRE ALARM POWER SUPPLY. THE CIRCUIT SHALL BE LOCKED AND LABELED "FIRE ALARM POWER SUPPLY 'A' (DO NOT TURN OFF)".
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE 120 VAC TO FIRE ALARM POWER SUPPLY. THE CIRCUIT SHALL BE LOCKED AND LABELED "FIRE ALARM POWER SUPPLY 'B' (DO NOT TURN OFF)".

**DIAGRAM NOTES:**

- 2 #14 THIN CU - 1/2" CONDUIT (TYPICAL).
- 120V POWER CIRCUIT, REFER TO GENERAL NOTE 6, THIS SHEET.
- FIRE-LITE POWER SUPPLY FOR NOTIFICATION DEVICES.
- WIRING EXTENDED VIA EXISTING OCTORELAY SUCH THAT THE FACP CAN TRIGGER GLOBAL SHUT DOWN OF ALL A/C UNITS.
- 2 #14 THIN CU (POWER FOR DUCT SMOKE), 2 #14 THIN CU (FOR CONTROL RELAY POWER) - 3/4" CONDUIT.
- CONTROL RELAY.
- 120V POWER CIRCUIT, REFER TO GENERAL NOTE 7, THIS SHEET.
- DUCT SMOKE DETECTOR.
- 2 #14 THIN CU - 1/2".
- AUTRONICS TO POWER A/C CONTROL RELAYS AND DUCT DETECTORS.
- REMOTE TEST CONTROL.
- ANSUL SWITCH.
- 2 #18 THIN CU - 1/2" CONDUIT.

2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P42	MOTOR ROOM DOOR SENSOR	POINT P72	POWER SUPPLY 'B' TROUBLE
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P41	PALLET ROLL-UP DOOR	POINT P71	POWER SUPPLY 'A' TROUBLE
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P43	TRASH	POINT P76	ANSUL SWITCH #2
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P39	LEFT DOOR DOOR SENSOR	POINT P69	CASH ROOM SAFE
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P38	RIGHT DOOR DOOR SENSOR	POINT P68	ATM
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P37	DOOR INFRARED SENSOR	POINT P67	NOT USED
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P36	BACK-UP EX. DOOR SENSOR	POINT P66	NOT USED
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P35	MAIN DOOR SENSOR	POINT P65	RIGHT FRONT DRY TAMPER SWITCH
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P34	ANSUL SWITCH	POINT P64	RTU-7 DUCT DETECTOR
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P33	INFRARED SENSOR	POINT P63	DAIRY SALES EXIT INFRARED SENSOR
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P32	FRONT (CUSTOMER SERVICE) PULL STATION	POINT P62	DAIRY SALES EXIT DOOR SENSOR
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P31	POWER SUPPLY #1 TROUBLE	POINT P61	LEFT REAR INFRARED SENSOR
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P30	LEFT DRY TAMPER SWITCH	POINT P60	SHOW ROOM #1 DOOR SENSOR
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P29	RTU-4 DUCT DETECTOR	POINT P59	SHOW ROOM #2 DOOR SENSOR
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P28	RTU-3 DUCT DETECTOR	POINT P58	SHOW ROOM #3 DOOR SENSOR
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P27	VESTIBULE DOOR SENSOR	POINT P57	SHOW ROOM #4 DOOR SENSOR
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P26	VESTIBULE DOOR SENSOR	POINT P56	SHOW ROOM #5 DOOR SENSOR
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P25	VESTIBULE INFRARED SENSOR	POINT P55	SHOW ROOM #6 DOOR SENSOR
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P24	FRONT EMER. DOOR (STAIRS) DOOR SENSOR	POINT P54	POWER SUPPLY #2 TROUBLE
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P23	REMOVE JANITOR SMOKE DETECTOR	POINT P53	RTU-1 DUCT DETECTOR RETURN
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P22	STORAGE SMOKE DETECTOR	POINT P52	RTU-1 DUCT DETECTOR (SUPPLY)
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P21	STORAGE SMOKE DETECTOR	POINT P51	MOTOR ROOM HEAT DETECTOR
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P20	PANEL SMOKE DETECTOR	POINT P50	MOTOR ROOM HEAT DETECTOR
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P19	CUSTOMER SERVICE INFRARED SENSOR	POINT P49	RTU-2 DUCT DETECTOR
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P18	CASH ROOM INFRARED SENSOR	POINT P48	TAMPER SWITCH #1
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P17	VESTIBULE INFRARED SENSOR	POINT P47	TAMPER SWITCH #1
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P16	VESTIBULE DOOR SENSOR	POINT P46	FLOW SWITCH #2
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P15	VESTIBULE DOOR SENSOR	POINT P45	FLOW SWITCH #1
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P14	VESTIBULE DOOR SENSOR	POINT P44	
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P13	VESTIBULE DOOR SENSOR	POINT P43	
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P12	VESTIBULE DOOR SENSOR		
2/18 TO LOCAL EXISTING ZONE EXPANDER	POINT P11	VESTIBULE DOOR SENSOR		

**PLAN KEY**

(Symbol)	NEW
(Symbol)	EXISTING TO REMAIN
(Symbol)	EXISTING TO BE REMOVED

Digitally signed by Dennis Van...  
DN: c=US, o=Unaffiliated, ou=A01410C000016856, 7840E00003DIE, cn=Dennis Van...  
Date: 2019.10.07 12:33:49 -0400

REVISION

**TRICON ENGINEERS**  
CORP. OFFICES, FACILITIES DESIGN  
3300 AIRPORT RD., LAKELAND, FL 33811  
PHONE: 888.338.1111 FAX: 888.338.1111

**Publix super markets, inc.**  
CORP. OFFICES, FACILITIES DESIGN  
3310 FINCHER FARM RD., MATTHEWS, NC 28105  
PHONE: (800)866-1166

**Publix Store #1484**  
MCKEE FARMS  
3110 FINCHER FARM RD.  
MATTHEWS, NC 28105

**FIRE ALARM DIAGRAMS**

DESIGNED BY: RS  
DRAWN BY: EAK  
DATE: 10/07/19  
PROTOTYPE: NA  
SHEET NO. FA2.1