FIRE ALARM LEGEND

SYMBOL	DEVICES	SUPPLIED BY	INSTALLED BY	CONDUCTOR
FACP	FIRE ALARM PANEL INSTALLED 5'-0" AFF WITH DEDICATED 20 A CIRCUIT	FA CONT	ELECTRICAL	
PS	POWER SUPPLY 12/24 VOLT DC REGULATED	FA CONT	FA CONT	
ACS	REMOTE ACCU-KNOB/DOOR KEY PAD MOUNT TOP 5'-0" A.F.F. AND LATCH & DOOR	FA CONT	FA CONT	4#18[1/2]"FPL
BACP	BURGLAR ALARM CONTROL PANEL FACP/ACS/BDC/DVT/HDD WITH 12VDC 7Ah BATTERY	FA CONT	FA CONT	4#18[1/2]"FPL
HDD	HADD BOX - 0.4 TO 10.4" A.F.F. MOUNTED ON WALL AS REQUIRED	FA CONT	FA CONT	2#22 FPL
HORN	2 AND THIN BOX - 12"X 12"X 4" MOUNTED AT CEILING (0'-0" A.F.F.)	ELECTRICAL	ELECTRICAL	
	REMOTE ULTRA-THIN LED INSTALL IN 1 GANG ATS A.F.F. MOUNTED	FA CONT	FA CONT	#18 FPL 2#18 FPL
	REMOTE LED INSTALL ANY SHEIN - IN RECESSED BOX	FA CONT	FA CONT	
	BURGLARY SIREN INSTALL IN 4" SQ SYSTEM SENSOR P4SERIR	FA CONT	FA CONT	2#14[1/2]"FPL
	FIRE ALARM HORN & STROBE-RED OUTDOOR WALL MOUNTED 4'-6" SQ BOX AT 80" AFF WHEELCHAIR HEIGHT	FA CONT	FA CONT	2#14[1/2]"FPL
	FIRE ALARM HORN & STROBE-RED INSTALLED IN THE 4" SQ BOX AT 80" AFF WHEELCHAIR HEIGHT	FA CONT	FA CONT	2#14[1/2]"FPL

SYMBOL	DEVICES	SUPPLIED BY	INSTALLED BY	CONDUCTOR
	FIRE ALARM HORN & STROBE-RED INSTALLED IN THE 4" SQ BOX SET ALIGNED TO MATCH ADJACENT WALL WHEELCHAIR HEIGHT	FA CONT	FA CONT	2#14[1/2]"FPL
	FIRE ALARM STROBE-RED INSTALLED IN RECESSED BOX AT 80" AFF WHEELCHAIR HEIGHT	FA CONT	FA CONT	2#14[1/2]"FPL
	FIRE ALARM STROBE-RED INSTALLED IN 4" SQ. BOX AT 80" WHEELCHAIR HEIGHT	FA CONT	FA CONT	4#12 FPL
	FIRE ALARM STROBE-RED CEILING MOUNTED IN 4" SQ BOX	FA CONT	FA CONT	2#14[1/2]"FPL
	DUCT SMOKE DETECTOR CONNECTED BY FLEXIBLE CONDUIT FROM 4" SQ BOX MOUNTED ON SUPPLY SIDE OF DUCTWORK	MECHANICAL	MECHANICAL	#18 FPL 2#18 FPL
	CEILING MOUNTED PHOTO ELECTRIC SMOKE DETECTOR. FIRE LITE #6098	FA CONT	FA CONT	#22 FPL
	AWNA SWITCH CAT#5222 DUAL CONTACTS	MECHANICAL	MECHANICAL	#FPL FPL 2#18 FPL
	FIRE ALARM MANUAL PULL STATION MOUNTED AT 52 IN. (80 SINGLE GANG PLASTER RING BOX 48" A.F.F. FIRE LITE #BG-10LD OR EQUIVALENT	FA CONT	FA CONT	2#18 FPL
	CEILING MOUNTED RATE OF RISE HEAT ADDRESSABLE HEAT DETECTOR. FIRE LITE #1351	FA CONT	FA CONT	
	SAFE DOOR CONTACT INSTALLED IN DOOR FRAME (NOT MAGNOMATION)	FA CONT	FA CONT	2#22 FPL
	OPTICAL BEAM INFRARED DETECTOR - SINGLE GANG WITH 4.7" O.A.F.F. (NOT ADDITIVE	FA CONT	FA CONT	#FPL FPL

SYMBOL	DEVICES	SUPPLIED BY	INSTALLED BY	CONDUCTOR
	360° INFRARED DETECTOR - SINGLE GANG WITH 4.7" CEILING (EDGE) H.S. DEVICE	FA CONT	FA CONT	#22 FPL
	ADDRESSABLE RELAY MODULE (NOT SHOWN)	FA CONT	FA CONT	
	GLASSBREAK SENSOR - SINGLE GANG MTD. AT CEILING (NOT SHOWN)	FA CONT	FA CONT	#22 FPL
	REMOTE TEST/STOP - BUTTON WITH 4" I.D. & PLASTER RING ("A" A.F.F.) ON CEILING BY EXIT	FA CONT	FA CONT	#FPL FPL
	FLOW SWITCH-CONNECTED BY FLEXIBLE CONDUIT FROM 4" SQ. BOX (SEE DETAIL)	SPRINKLER	SPRINKLER	2#18 FPL
	TAMPER PROOF SWITCH CONNECTED BY FLEXIBLE CONDUIT FROM 4" SQ. BOX (SEE DETAIL)	SPRINKLER	SPRINKLER	2#18 FPL

SYMBOL	DEVICES	SUPPLIED BY	INSTALLED BY	CONDUCTOR
EOLR	END OF LINE RESISTOR	FA CONT	FA CONT	
	CSL-224-120D+ SMOKE POWER SUPPLY/SYSTEM MODULE	SPRINKLER	FA CONT	2#14[1/2]"FPL
	CIRCUIT SURGE SUPPRESSION DIODE EDCO FSA-1-0.3 DC	FA CONT	FA CONT	2#14[1/2]"FPL
	ADDRESSABLE MONITOR MODULE MOUNTED IN 4" SQ. (2-1/8") DEEP J-BOX (MKF-300)	FA CONT	FA CONT	2#14[1/2]"FPL
	AWNA SWITCH CAT#5222 DUAL CONTACTS IN WHEELCHAIR (MKF-300	BY OTHERS	MECHANICAL	

FC - HORN CIRCUIT
SH - SHIELDED

BS - BURGLARY SOUNDERS
SCP - SMOKE DETECTOR PANEL

MINIMUM FIRE ALARM AND SECURITY ALARM PERFORMANCE SPECIFICATIONS

GENERAL:

- THE PURPOSE OF THIS DRAWING IS SOLELY TO PROVIDE THE ELECTRICAL CONTRACTOR WITH A BASELINE AND ADEQUATELY ASSIST THE ARCHITECTS IN LAYOUT THAT IS EXPECTED TO BE DESIGNED BY THE FIRE/SECURITY ALARM ENGINEER IN ORDER TO MORE ACCURATELY PRICE THE WORK AND TO PROVIDE THE FIRE/SECURITY ENGINEER WITH GENERATION DETAILS.
- THIS FIRE ALARM MANUFACTURER REPRESENTATIVE (FARR) SHALL SUBMIT SHOP DRAWINGS OF A FIRE ALARM AND SECURITY (BURGLAR) SYSTEM, SIGNED AND SEALED BY AN ELECTRICAL ENGINEER LICENSED IN THE STATE WHERE THIS PROJECT IS TO BE BUILT. THE SUBMITTED DESIGN SHALL ACCOMMODATE THE CONDUIT AND DEVICES SHOWN ON THE DRAWINGS, BUT MAY AUGMENT OR INCREASE THE QUANTITY AND/OR SIZE OF THE CONDUIT (S) AND/OR DEVICES, IF REQUIRED TO MEET OTHER CRITERIA.
- PRODUCT DATA SHEETS FOR ALL COMPONENTS REQUIRED BY THE DESIGN SHALL BE SUBMITTED.
- THE SUBMITTAL SHALL BE PROVIDED TO THE OWNER, GENERAL CONTRACTOR, AND ELECTRICAL CONTRACTOR FOR REVIEW/APPROVAL.
- IF REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ), COMPLETE INFORMATION REGARDING THE SYSTEM SHALL BE SUBMITTED TO THE AUTHORITY FOR APPROVAL.
- IF REQUIRED BY THE OWNER, OR IF ANY BACKDATE OR DUCTS ARE REQUIRED TO BE MODIFIED FROM WHAT IS INDICATED ON THE DRAWINGS, ANY OR ALL INFORMATION, INCLUDING RELATED CALCULATIONS, SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL.
- ADA COMPLIANCE: THE FIRE ALARM SYSTEM SHALL COMPLY WITH FEDERAL AND/OR STATE ADA REQUIREMENTS. DEPARTURES FROM THESE TYPICAL TECHNICAL AND CODING REQUIREMENTS OF APPLICABLE CODES BY THE USE OF OTHER DESIGNS AND TECHNOLOGIES ARE PERMITTED WHERE THE ALTERNATIVE DESIGNS AND TECHNOLOGIES USED WILL PROVIDE SUBSTANTIALLY EQUIVALENT OR GREATER ACCESS TO AND USABILITY OF THE SPACE.

ALARM REQUIREMENTS:

- THE FIRE ALARM SHALL CONSIST OF A POWER LIMITED, FULLY ADDRESSABLE SYSTEM WITH FULL NOTIFICATION CAPABILITY.
- THE BURGLAR SYSTEM SHALL BE SEPARATE FROM THE FIRE ALARM SYSTEM LOCATION AND AUDIBILITY.
- SECURITY ALARM DEVICES TO BE INSTALLED AT EACH ENTER/EXIT DOOR, COMPACTOR CHUTE AND ROOF HATCH.
- FIRE ALARM DEVICES TO BE INSTALLED IN COMPLIANCE WITH APPLICABLE CODES (SHOWN ALL IN ROOMS/SPACES AND SUSPENDED FROM CEILING OVER THE SALES FLOOR AND RECEIVING STORAGE SUSPENDED HORN/STROBES SHALL BE MTD. WITH COVERAGES AS PER NFPA 72, 2013, SECTION 18.5.
- COORD. ALL WALL MTD. DEVICES WITH OTHER TRADES AND EQUIPMENT.
- NOTIFICATION APPLIANCE CIRCUITS (NAC) TO BE CLASS 'B', STYLE 'Y'.
- INTENSITIES OF AUDIBLE AND VISUAL DEVICES SHALL MEET REQUIREMENTS OF NFPA 72 AND SHALL BE NOTED ON THE SHOP DRAWINGS.

TYPES OF ALARMS AND INITIATION DEVICES:

- ALARM TYPES TO MEET THE REQUIREMENTS OF NFPA 72 AND LOCAL ORDINANCES.
- ALL COMPONENTS TO BE COMPATIBLE, UL LISTED AND LABELED FOR THE INTENDED LOCATION OF USE.
- INITIATION DEVICE CIRCUITS (IDC) AND COMPONENTS TO BE CLASS 'B'.
- ALL AIR HANDLING UNITS (AHUs) SHALL SHUT DOWN UPON ALARM VIA FIRE ALARM CONTROL RELAY.
- SEE FIRE ALARM LEGEND (THIS SHEET) FOR SPECIFIC DEVICE REQUIREMENTS.

NOTIFICATION REQUIREMENTS:

- ALL AUDIBLE AND VISUAL DEVICES TO BE SYNCHRONIZED WITH RESPECTIVE DEVICE TYPE.
- FIRE ALARM AND BURGLAR ALARM SYSTEMS SHALL PROVIDE NOTIFICATION OF ALARM TO CENTRAL MONITORING CENTER (MET).
- CONTRACTOR SHALL VERIFY THAT INTENSITY LEVELS OF AUDIBLE DEVICES MEET OR EXCEED NFPA 72 AND LOCAL ORDINANCES FOR MIN. DECIBEL LEVELS (dB) ABOVE AMBIENT. PROVIDE ADDITIONAL DEVICES AS REQUIRED.
- SEE FIRE ALARM LEGEND (THIS SHEET) FOR SPECIFIC DEVICE REQUIREMENTS.

INSTALLATION REQUIREMENTS:

ALL CONDUIT AND J-BOXES (RACEWAY SYSTEM) TO BE INSTALLED BY LICENSED ELECTRICAL CONTRACTOR.

a. ALL WALL MTD. AND CEIL. MTD. DEVICES ARE TO CONSIST OF A FLUSH MTD. J-BOX WITH 1"G (MIN.) TO CEILING OR JOIST SPACE.
b. ALL ENTRY POINTS FOR CABLE TO CONDUIT J-BOXES SHALL HAVE PROPER BUSHINGS INSTALLED AS REQUIRED BY NFPA 70 (NEC).
c. ALL CONDUIT AND CONDUCTORS SHALL BE PROPERLY SUPPORTED AS REQUIRED BY NFPA 70 (NEC).
d. MAXIMUM NUMBER OF CONDUCTORS IN CONDUIT (MTH) SHALL COMPLY WITH NFPA 70 (NEC).
e. KNOCK BOX SHALL BE LOCATED NEAR FRONT ENTRANCE OF BUILDING. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH LOCAL A.H.J.
f. ALL FIRE ALARM AND BURGLAR ALARM DEVICES AND WIRING SHALL BE SUPPLIED AND INSTALLED BY LICENSED FIRE ALARM CONTRACTOR. FIRE ALARM MANUFACTURE REPRESENTATIVE - FARR.
g. CONTRACTOR SHALL "FREE-WIRE" EXPOSED CONDUCTORS PARALLEL OR PERPENDICULAR TO WALLS AND CEILING ON RESIDENTIAL CONSTRUCTION.
h. ALL EXPOSED CONDUCTORS SHALL BE INSTALLED ONLY AT THE COMPLETION OF PAINTING IN THE AREA.
i. CEILING MTD. SMOKE DETECTORS SHALL BE INSTALLED IN THE SUPPLY (DIFFUSER) AND NOT RETURN AIR FLOW.
j. DUCT MTD. SMOKE DETECTORS SHALL BE INSTALLED BY MECHANICAL CONTRACTOR, AND WIRED BY FIRE ALARM CONTRACTOR.
k. RED FIRE ALARM STROBE &/OR BOX SHALL BE LOCATED AT ALL ENTRANCES AND HOUSE PHONES IN COLUMNS OR IN RECESSED COMMUNICATION BOXES.

BACKUP POWER REQUIREMENTS:

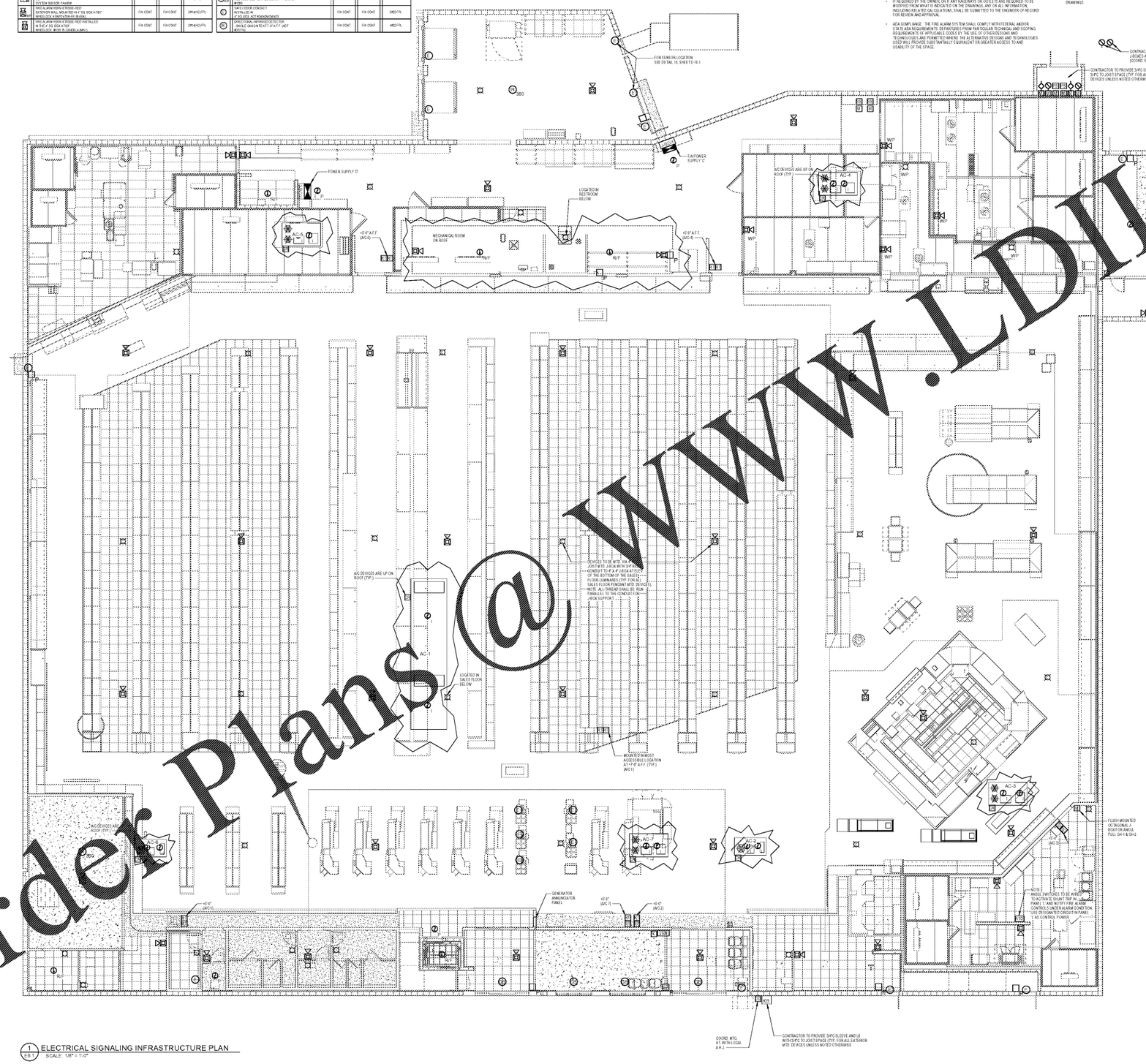
- BATTERY BACKUP POWER IN THE EVENT OF A POWER OUTAGE SHALL BE INCLUDED ON SHOP DRAWINGS.
- BATTERY BACKUP SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 72.

APPLICABLE ELECTRICAL CODE REQUIREMENTS:

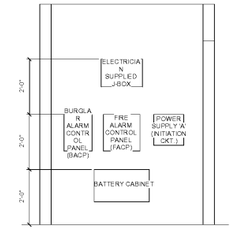
- ALL FIRE ALARM AND SECURITY ALARM SYSTEMS SHALL COMPLY IN THE MINIMUM REQUIREMENTS OF NFPA 70 (NEC), NFPA 72, NFPA 101, IBC AND THE AGGRESSIBILITY CODE (FLORIDA ONLY) AND ALL APPLICABLE STATE AND LOCAL ORDINANCES.

MISCELLANEOUS DOCUMENTATION CRITERIA:

- SYSTEM DIAGRAM.
- DEVICE TYPES AND LOCATIONS.
- TYPES OF CONDUCTORS INCLUDING:
  a) INSTALLATION REQUIREMENTS
  b) RATING IDENTIFICATION
  c) LISTING REQUIREMENTS
- NOTIFICATION REQUIREMENTS
- BACKUP POWER REQUIREMENTS



1 ELECTRICAL SIGNALING INFRASTRUCTURE PLAN
E6.1 SCALE: 1/8" = 1'-0"



FIRE/BURGLAR ALARM
N.T.S.

GENERAL FIRE/ SECURITY ALARM NOTES

1. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE PERMIT, INSTALLATION, AND PROGRAMMING, OF THE FIRE ALARM AND SECURITY ALARM SYSTEM.
2. INSTALLATION OF THE FIRE ALARM AND SECURITY ALARM SYSTEMS SHALL COMPLY WITH THE INFORMATION IN THESE DRAWINGS AND FIRE ALARM AND SECURITY ALARM SYSTEM SPECIFICATIONS ON DWG. E-6.1b
3. THE ELECTRICAL CONTRACTOR SHALL OBTAIN ALL BUILDABLE PERMIT PLANS FOR THE PROJECT FROM PUBLIX'S FIRE ALARM AND SECURITY ALARM ENGINEER, TRICON ENGINEERS, INC. CONTACT DENNIS VANN 813 227 9155.
4. NO SUBSTITUTIONS OF ANY FIRE ALARM OR SECURITY ALARM SYSTEMS IN WHOLE OR PART SHALL BE ALLOWED. ALL DEVICES AND COMPONENTS SHALL BE AS SPECIFIED ON THIS DRAWING AND IN SHOP SUBMITTALS.
5. NO DEVIATION FROM THE DESIGN INDICATED IN THIS DRAWING SHALL BE ALLOWED WITHOUT SUBMITTING IN WRITING A REQUEST FOR REVIEW, APPROVAL AND PLANS REVISION, FROM PUBLIX ENGINEER OF RECORD OR THE FIRE ALARM/SECURITY ALARM ENGINEER OF RECORD.
6. THE FIRE ALARM/SECURITY ALARM CONTRACTOR WILL BE RESPONSIBLE FOR ALL PERMITS, INSPECTIONS, AND ASSOCIATED COSTS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
7. THE FIRE ALARM CONTRACTOR SHALL PROVIDE A 11"X17" LAMINATED ZONE MAP ADJACENT TO THE FIRE ALARM KEYPAD AT THE ENTRANCE. THE DRAWING FOR THE ZONE MAP SHALL BE ACQUIRED FROM TRICON ENGINEERS.
8. ALL BURGLAR ALARM INITIATING DEVICES SHALL BE SUPPLIED WITH A POP IT MONITOR NO MODULE.

Order Plans @ WWW.LDLine.com

Publix SUPER MARKETS

CORPORATE OFFICES, FACILITIES DESIGN
BOX 407, LAKELAND, FL 33802
(863) 680-5295
PHYSICAL ADDRESS
3300 PUBLIX CORPORATE PARKWAY
LAKELAND, FL 33811-3311

PUBLIX FACILITIES DESIGN DEPARTMENT
ARCHITECT
DAVID A. RUBIN
GA REG. 11887
SC REG. 7477
AL REG. 6234
TN REG. 103497
NC REG. 12432
FL REG. 0401017097

JOHN W. KITCHENS, PE
STRUCTURAL FL REG. 45277
GA REG. 020251
SC REG. 16340
AL REG. 20382
TN REG. 101507

PAUL C. HARMAN, PE
STRUCTURAL FL REG. 51959
GA REG. 37740
SC REG. 21754
AL REG. 24925
TN REG. 107892
NC REG. 39673
VA REG. 0402055022

JOHN J. CARAMALIS, PE
MECHANICAL FL REG. 43689
GA REG. 021246
SC REG. 19921
AL REG. 20581
TN REG. 118507
VA REG. 0402055478

ANTHONY CLEMENTI, PE
MECHANICAL FL REG. 54781
GA REG. 31882
SC REG. 25591
AL REG. 28469
TN REG. 111382
NC REG. 039864
VA REG. 0402056137

RAYMOND J. SIRIANNI, PE
ELECTRICAL FL REG. 54065
GA REG. 925635
SC REG. 19743
AL REG. 23955
TN REG. 108038
NC REG. 039963
VA REG. 0402055379

© COPYRIGHT 2018
PUBLIX SUPER MARKETS, INC.

THESE CONSTRUCTION DOCUMENTS ARE THE PROPERTY OF PUBLIX SUPER MARKETS, INC. AND ARE NOT TO BE COPIED OR REUSED FOR ANY SPECIFIC BUILDING WITHOUT WRITTEN PERMISSION. THESE DRAWINGS SHALL NOT BE DUPLICATED WITHOUT PRIOR WRITTEN PERMISSION OF PUBLIX SUPER MARKETS, INC.

THE DESIGN INDICATED IN THESE CONSTRUCTION DOCUMENTS DOES, TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES

PLOT DATE:
August, 21 2018

No.	Description	Date

STORE NUMBER
1687
Tattersall Park

US 280 & Highway 19
Hoover
Shelby Co., AL

48.10
V2015.2018

SIENNA LITE

ELECTRICAL SIGNALING INFRASTRUCTURE

As indicated

E6.1

PERMIT SET DATE 8/29/2018 11:20:19 AM

8/29/2018 11:20:19 AM C:\Users\KJVS\Documents\1687_Main Model_2018_kjvs.rvt