

FIRE ALARM SHEET INDEX	
SHEET #	DESCRIPTION
A0 1	FIRE ALARM NOTES, LEGEND, SPECS
A1 1	FIRE ALARM PLAN

Owner
 SHOP CORE PROPERTIES
 10772 Flowship Road, Suite 116
 Mount Laurel, NJ 08054
 Telephone (856) 780-4460
 Fax

Architect
 SBLM Architects
 11430 N. Kendall Drive, Suite 310
 Miami, FL 33176
 Telephone 305 412 9187
 Fax 305 412 6731
 www.sblm.com

Consultants
 Civil
 Langan Engineering

Structural
 Bliss & Nyitray, Inc.
 Electrical/Mechanical/Plumbing
 B&K Engineering Group

Revisions/Issues

NO.	DATE	DESCRIPTION
06/21/18	PERMIT SET	

Key Plan

Seal

James L. Cohen AR0015903
 Project Title
 SOUTHERN PALM CROSSING
 BUILDING SHELL
 11001-11161 Southern Blvd.
 Royal Palm Beach, FL. 33411

Job Number 017512.00
 Drawing
 FIRE ALARM NOTES,
 LEGEND, AND SPECS
 Scale AS SHOWN
 Drawing Date 05/16/18

Drawing No.

FA0.1

Sheet Of

SYSTEM INPUTS	SYSTEM OUTPUTS														
	CONTROL UNIT ANNUNCIATION						NOTIFICATION			REQUIRED FIRE SAFETY CONTROL					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1 MANUAL FIRE ALARM BOXES															
2 SMOKE DETECTORS															
3															
4															
5 HEAT DETECTORS															
6 IN-DUCT SMOKE DETECTORS															
7 WATERFLOW															
8 SPRINKLER VALVE CONTROL															
9 FIRE ALARM AC POWER FAILURE															
10 FIRE ALARM SYSTEM LOW BATTERY															
11 OPEN CIRCUIT															
12 GROUND FAULT															
13 NOTIFICATION APPLIANCE CIRCUIT SHORT															

SYSTEM OPERATION MATRIX

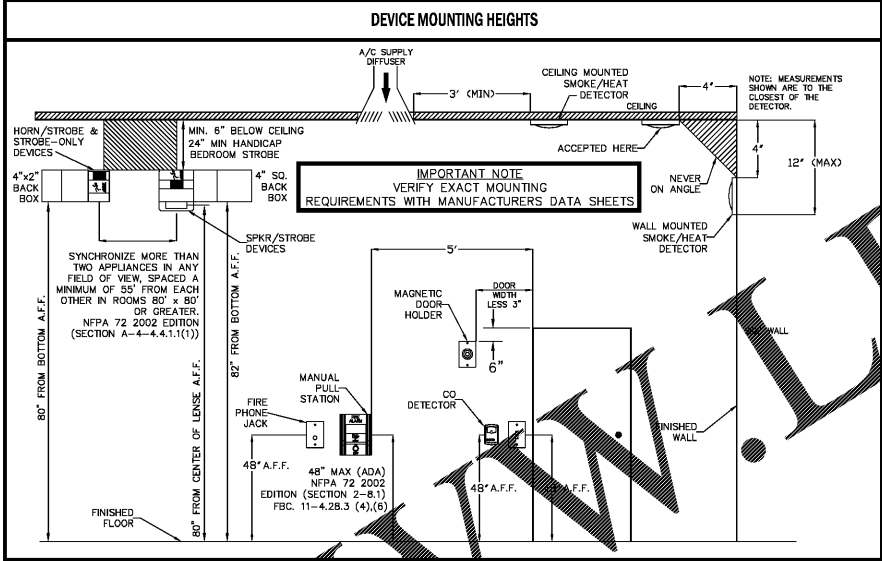
FIRE STOPPING REQUIREMENTS

SYSTEM NO. C-AJ-1079 (FORMERLY SYSTEM NO. 437)
 F-RATING - 3 AND 4 HR (SEE ITEM 3C)
 T-RATING - 2 HR
 L RATING AT AMBIENT - LESS THAN 1 CFM/sq. ft.
 L RATING AT 400° F - LESS THAN 1 CFM/sq. ft.
 1 = CONCRETE WALL
 3 = METAL ELECTRIC PIPE
 4 = MINERAL WOOL INSULATION
 5 = INSTALLED A MINIMUM OF 1/2" IN DEPTH, FLUSH WITH TOP OF FLOOR

SYSTEM NO. C-AJ-1217
 F-RATING - 3 AND 4 HR (SEE ITEMS 3D AND 4C)
 T-RATING - 2 HR
 L RATING AT AMBIENT - LESS THAN 1 CFM/sq. ft.
 L RATING AT 400° F - LESS THAN 1 CFM/sq. ft.
 1 = CONCRETE WALL
 3 = METAL ELECTRIC PIPE
 4 = MINERAL WOOL INSULATION
 5 = INSTALLED A MINIMUM OF 1/2" IN DEPTH, FLUSH WITH TOP OF FLOOR

SYSTEM NO. C-AJ-1048 (FORMERLY SYSTEM NO. 635)
 F-RATING - 3 AND 4 HR (SEE ITEM 1B)
 T-RATING - 2 HR
 L RATING AT AMBIENT - LESS THAN 1 CFM/sq. ft.
 L RATING AT 400° F - LESS THAN 1 CFM/sq. ft.
 1 = CONCRETE WALL
 3 = METAL ELECTRIC PIPE
 4 = MINERAL WOOL INSULATION
 5 = INSTALLED A MINIMUM OF 1/2" IN DEPTH, FLUSH WITH TOP OF FLOOR

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
⊗	WALL MOUNTED STROBE LIGHT (E.D. AS INDICATED) (LWTF-VHK)	⊙	SMOKE DUCT DETECTOR (GROUND TEST STATION SD-TRK) (CONTROL MODULE SIGA-CR)	⊗	ADDRESSABLE FIRE ALARM CONTROL PANEL WITH DIALER EST 3X	⊗	CONTROL MODULE/RELAY SIGA-CR
⊗ WP	WALL MOUNTED WEATHER-PROOF STROBE LIGHT (E.D. AS INDICATED) (445-BA-T WITH 449 WEATHER-PROOF BACK BOX)	⊙ P	PHOTOELECTRIC SMOKE DETECTOR SIGA2-PS (STANDARD BASE WITH TRIM RING SIGA-SB4) (WITH SIGA-AB4G SOUNDER BASE FOR GUEST ROOMS)	⊗	TAMPER SWITCH (PROVIDED BY SPRINKLER CONTRACTOR) (ADDRESSABLE MONITOR MODULE SIGA-CT1)	⊗	KNOX BOX (THROUGH FIRE DEPARTMENT)
⊗	WALL MOUNTED STROBE (E.D. AS INDICATED) (LWTF-HDVM)	⊙	ADDRESSABLE HEAT DETECTOR SIGA2-HRS (STANDARD BASE WITH TRIM RING SIGA-SB4)	⊗	FLOW SWITCH (PROVIDED BY SPRINKLER CONTRACTOR) (ADDRESSABLE MONITOR MODULE SIGA-CT1)	⊗	REMOTE TEST, EST SIGA-TRK
⊗ WP	WALL MOUNTED WEATHER-PROOF STROBE (E.D. AS INDICATED) (WGRF-HVHC WITH 1432U WEATHER/PROOF BACK BOX)	⊙ WP	CONVENTIONAL WEATHER-PROOF HEAT DETECTOR 302AM-35/STANCOZ (ADDRESSABLE MONITOR MODULE SIGA-CT1)	⊗	SINGLE ADDRESSABLE PULL STATION SIGA-278	⊗ WP	SINGLE ADDRESSABLE WEATHER-PROOF PULL STATION WPSR1-S5W-GE (ADDRESSABLE MONITOR MODULE SIGA-CT1)



FIRE ALARM SYSTEM WIRE SCHEDULE:

THE INSTALLATION OF THE FIRE ALARM SYSTEM WIRING SHALL TAKE INTO ACCOUNT THE FIRE ALARM SYSTEM MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND REQUIREMENTS, THE APPLICABLE PROVISIONS OF THE NATIONAL ELECTRICAL CODE, AND THE APPLICABLE PROVISIONS OF THE FLORIDA ELECTRICAL CODE.

FIRE ALARM SYSTEM SHALL BE LIMITED:

- INITIATING CIRCUITS: 2 CONDUCTOR, #14 AWG, SHIELDED TWISTED PAIR FPLP/FPLR
- NOTIFYING CIRCUITS: 2 CONDUCTOR, #14 AWG, SHIELDED TWISTED PAIR FPLP/FPLR
- REMOTE NOTIFICATION CIRCUITS: 4 CONDUCTOR, #14 AWG, SOLID SHIELDED TWISTED PAIR FPLP/FPLR
- CONDUCTORS SHALL BE INSTALLED IN ELECTRICAL TUBING UNLESS OTHERWISE NOTED, PLENUM.
- CONDUIT SHALL BE ALUMINUM OR GALVANNELED STEEL ACCEPTABLE FOR USE UNLESS OTHERWISE NOTED, PLENUM.
- ALL WIRING SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION.

FAC 61G15 FIRE ALARM NOTE

FIRE ALARM DEVICES ON THIS PLAN ARE SHOWN FOR DESIGN CRITERIA INTENT ONLY. THEY MAY NOT REPRESENT ALL DEVICES OR A COMPLETE SYSTEM OR FUNCTIONS THAT MAY BE REQUIRED BY THE AHJ/FIRE MARSHAL. CONTRACTOR SHALL DESIGN/BUILD THE FIRE ALARM SYSTEM AND ENGAGE HIS INDEPENDENT DELEGATED FLORIDA LICENSED PE TO PREPARE SIGNED AND SEALED WORKING DRAWINGS IN ACCORDANCE WITH FAC 61G15. THE DESIGN/BUILDER TEAM SHALL ISSUE FIRE ALARM PERMIT DRAWINGS WITH A COMPLETED DESIGN, CALCULATIONS, WIRING DIAGRAMS, PRODUCT DATA CONFORMING TO AGENCY REQUIREMENTS. THE DESIGN/BUILDER SHALL SUBMIT THE SIGNED AND SEALED DRAWINGS AND DATA TO THE PRIME CONTRACTOR, ARCHITECT AND ENGINEER AS A SHOP DRAWING SUBMISSION FOR REVIEW. THE DESIGN/BUILDER SHALL MEET WITH AGENCIES, SUBMIT THEIR COMPLETE DRAWINGS AND DATA TO THE AGENCIES REQUIRED TO ACHIEVE A PERMIT AND CERTIFICATE OF OCCUPANCY (C.O.O.).

THE FIRE ALARM SYSTEM DESIGN FOR THIS PROJECT SHALL BE IN FULL ACCORDANCE WITH THE PROVISIONS OF THE FLORIDA ADMINISTRATIVE CODE, CHAPTER 61 G15-30 AS IT PERTAINS TO "DELEGATED ENGINEER". THE FIRE ALARM CONTRACTOR SHALL PROCURE THE SERVICES OF A FLORIDA REGISTERED ENGINEER WHO WILL ACT AS THE DELEGATED ENGINEER FOR THE FIRE PROTECTION SYSTEM DESIGN BASED ON THE DESIGN INTENT OF THE CONTRACT DOCUMENTS. THE DELEGATED ENGINEER WILL BECOME THE "ENGINEER OF RECORD" FOR THIS PORTION (FIRE ALARM SYSTEM) OF THE ENGINEERING PROJECT. THE DELEGATED ENGINEER SHALL CONFIRM TO ALL REQUIREMENTS SET FORTH IN THE FLORIDA ADMINISTRATIVE CODE, 61 G15-30.006 "DELEGATED ENGINEER'S RESPONSIBILITY". ALL FINAL DELEGATED ENGINEERING DOCUMENTS REQUIRE THE IMPRESSED SEAL AND SIGNATURE OF THE DELEGATED ENGINEER. DELEGATED ENGINEER SHALL BE THE FIRE ALARM SUCCESSOR ENGINEER OF RECORD FOR THE PROJECT.

Order Plans @ www.LDOnline.com

DATE 06/21/2018

2701 NW BOCA RATON BLVD
 SUITE 100
 BOCA RATON, FL 33431
 MECH DEPT.
 TEL: 561-716-7120
 ELEC DEPT.
 TEL: 954-644-9612
 CERTIFICATION OF AUTHORIZATION
 NO. 21929

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