



**Request for Proposals  
Fire Detection and Suppressions System  
Inspection, Testing and Repair Services**

**INTRODUCTION**

Through this Request for Proposals (“RFP”), the Rhode Island Housing and Mortgage Finance Corporation (“RIHousing”) seeks proposals from qualified firms to provide fire detection, sprinkler system and suppression system inspections and testing as well as repair services, including on-call emergency and long-term repairs at our corporate headquarters located at 44 Washington Street, Providence, Rhode Island. RIHousing’s office building complex contains approximately 70,000 square feet in three (3) buildings known as the Slade/Garr and Earle Buildings, which are connected internally.

**INSTRUCTIONS**

One (1) original and three (3) copies of the proposal should be presented on company letterhead and be submitted to RIHousing, 44 Washington Street, Providence, Rhode Island 02903-1721, Attn: **Guy Pirolli, Mgr. Facilities Operations**. Please also direct a courtesy copy by email to: [gpirolli@rihousing.com](mailto:gpirolli@rihousing.com). Proposals should be concise and include all attachments.

**Respondents must attend a mandatory pre-bid conference on Wednesday, February 19, 2020 at 11:00 a.m. at 44 Washington Street, Providence, Rhode Island.**

**Proposals must be received no later than 3:00 EST p.m. on Wednesday, March 4, 2020.**

Respondents are advised that all submissions (including those not selected for engagement) may be made available to the public on request upon completion of the process and award of a contract(s). Accordingly, any information included in the proposal that the respondent believes to be proprietary or confidential should be clearly identified as such.

**SCOPE OF WORK**

Please see the Scope of Work provided at Attachment A.

**ITEMS TO BE INCLUDED WITH YOUR PROPOSAL**

**It is important that any statements of information or letters, that are requested within this RFP, be made part of your submitted documentation. Please note that failure to provide all information requested in this RFP shall cause your submission not to be**

Submission  
Check List



scored. **USE THE SUBMISSION CHECK LIST BAR TO THE LEFT TO ENSURE YOU INCLUDE ALL THE REQUESTED INFORMATION. CHECKLIST BAR PAGES MUST BE INCLUDED AS PART OF YOUR RFP RESPONSE, OR PRIOR TO AWARD OF BID.**

Please note that failure to provide any information, certification, or document requested in this RFP may cause your submission not to be scored.

A. General Firm Information

1. Provide a brief description of your firm, including but not limited to the following:
  - a. Name of the principal(s) of the firm.
  - b. Name, telephone number and email address of a representative of the firm authorized to discuss your proposal.
  - c. Address of all offices of the firm.
  - d. Number of employees of the firm.

B. Experience and Resources

1. Describe your firm and its capabilities. In particular, support your capacity to perform the Scope of Work. Also, please provide length of time in business.

2. Indicate which principals and associates from your firm would be involved in providing services to RIHousing. Provide appropriate background information for each such person and identify his or her responsibilities.

3. Identify any conflict of interest that may arise as a result of business activities or ventures by your firm and associates of your firm, employees, or subcontractors as a result of any individual's status as a member of the board of directors of any organization likely to interact with RIHousing. **If none, please provide a statement to such effect.**

4. Describe how your firm will handle actual and or potential conflicts of interest.

5. Identify any material litigation, administrative proceedings or investigations in which your firm is currently involved. Identify any material litigation, administrative proceedings or investigations, to which your firm or any of its principals, partners, associates, subcontractors or support staff was a party, that has been settled within the past two (2) years. **If none, please provide a statement to such effect.**

6. The contractor must provide documentation showing 5 years-experience in commercial and institutional fire alarm and sprinkler system testing. This documentation must list and briefly describe projects of similar size and/or complexity which have been completed satisfactorily. The list should include names of contracts, location, and references with names of contact information.

C. Fee Structure

The cost of services is one of the factors that will be considered in awarding this contract. The information requested in this section is required to support the reasonableness of your fees.

1. Please provide a cost proposal for providing the Scope of Work at Attachment A, using the form provided at Attachment B.

2. Provide an itemized breakdown of billing rates and hourly costs, list of key personnel and their hourly rates, reimbursable expenses, etc. for any services that may be requested in addition to the services previously described.

3. Please provide any other fee information applicable to the engagement that has not been previously covered that you wish to bring to the attention of RIHousing.

D. Miscellaneous

1. RIHousing encourages the participation of persons of color, women, persons with disabilities and members of other federally and State-protected classes. Describe your firm's affirmative action program and activities. Include the number and percentage of members of federally and State-protected classes who are either principals or senior managers in your firm, the number and percentage of members of federally and State-protected classes in your firm who will work on RIHousing's engagement and, if applicable, a copy of your Minority- or Women-Owned Business Enterprise state certification.

2. Discuss any topics not covered in this Request for Proposals that you would like to bring to RIHousing's attention.

E. Certifications

1. RIHousing insists upon full compliance with Chapter 27 of Title 17 of the Rhode Island General Laws, Reporting of Political Contributions by State Vendors.

This law requires State Vendors entering into contracts to provide services to an agency such as RIHousing, for the aggregate sum of \$5,000 or more, to file an affidavit with the State Board of Elections concerning reportable political contributions. The affidavit must state whether the State Vendor (and any related parties as defined in the law) has, within 24 months preceding the date of the contract, contributed an aggregate amount in excess of \$250 within a calendar year to any general officer, any candidate for general office, or any political party. Please acknowledge your understanding of this in your RFP response.



2. Does any Rhode Island “Major State Decision-maker,” as defined below, or the spouse or dependent child of such person, hold (i) a ten percent or greater equity interest, or (ii) a Five Thousand Dollar or greater cash interest in this business?

For purposes of this question, “Major State Decision-maker” means:

(i) All general officers; and all executive or administrative head or heads of any state executive agency enumerated in §42-6-1 as well as the executive or administrative head or heads of state quasi-public corporations, whether appointed or serving as an employee. The phrase “executive or administrative head or heads” shall include anyone serving in the positions of director, executive director, deputy director, assistant director, executive counsel or chief of staff;

(ii) All members of the general assembly and the executive or administrative head or heads of a state legislative agency, whether appointed or serving as an employee. The phrase “executive or administrative head or heads” shall include anyone serving in the positions of director, executive director, deputy director, assistant director, executive counsel or chief of staff;

(iii) All members of the state judiciary and all state magistrates and the executive or administrative head or heads of a state judicial agency, whether appointed or serving as an employee. The phrase “executive or administrative head or heads” shall include anyone serving in the positions of director, executive director, deputy director, assistant director, executive counsel, chief of staff or state court administrator.

If your answer is “Yes,” please identify the Major State Decision-maker, specify the nature of their ownership interest, and provide a copy of the annual financial disclosure required to be filed with the Rhode Island Ethics Commission pursuant to R.I.G.L. §§36-14-16, 17 and 18. If your answer is “No,” please provide a statement to such effect.



3. In the course of providing goods or services to RIIHousing, the selected respondent may receive certain personal information specific to RIIHousing customer(s) including, without limitation, customer names and addresses, telephone numbers, email addresses, dates of birth, loan numbers, account numbers, social security numbers, driver's license or identification card numbers, employment and income information, photographic likenesses, tax returns, or other personal or financial information (hereinafter collectively referred to as the "Personal Information"). The maintenance of the Personal Information in strict confidence and the confinement of its use to RIIHousing are of vital importance to RIIHousing. **Please include a letter from your president, chairman or CEO certifying that in the event your firm is selected:**

(i) any Personal Information disclosed to your firm by RIIHousing or which your firm acquires as a result of its services hereunder will be regarded by your firm as confidential, and shall not be copied or disclosed to any third party, unless RIIHousing has given its prior written consent thereto; and

(ii) your firm agrees to take all reasonable measures to (a) ensure the security and confidentiality of the Personal Information, (b) protect against any anticipated threats or hazards to the security or integrity of the Personal Information, and (c) maintain reasonable security procedures and practices appropriate to your firm's size, the nature of the Personal Information, and the purpose for which the Personal Information was collected in order to protect the Personal Information from unauthorized access, use, modification, destruction or disclosure; and

(iii) when discarding the Personal Information, destroying it in a commercially reasonable manner such that no third party can view or recreate the information, electronically or otherwise.

These provisions, which implement the requirements of the Rhode Island Identity Theft Protection Act, R.I.G.L. §11-49.2 et seq., will also be incorporated into the final contract with the selected respondent(s). In addition, if selected, your firm may be requested to provide a copy of its information security plan.



4. Please include a letter from your president, chairman or CEO certifying that (i) no member of your firm has made inquiries or contacts with respect to this Request for Proposals other than in an email or written communication to Guy V. Pirolli, [gpirolli@rihousing.com](mailto:gpirolli@rihousing.com), seeking clarification on the Scope of Work



set forth in this proposal, from the date of this RFP through the date of your proposal, (ii) no member of your firm will make any such inquiry or contact until after **Wednesday, March 4, 2020**, (iii) all information in your proposal is true and correct to the best of her/his knowledge, (iv) no member of your firm gave anything of monetary value or promise of future employment to a RIHousing employee or Commissioner, or a relative of the same, based on any understanding that such person's action or judgment will be influenced and (v) your firm is in full compliance with Chapter 27 of Title 17 of the Rhode Island General Laws, Reporting of Political Contributions by State Vendors.

F. General Terms and Conditions

1. The terms of this RFP shall be incorporated into a contract with the successful respondent. The term of the contract will be for three (3) years, with the possibility of renewal for two additional one (1) year terms at the option of RIHousing, at the prices set forth in the selected respondent's proposal.
2. Proposals are irrevocable for thirty (30) days after the deadline for submission and may not be withdrawn except with the express permission of RIHousing. All pricing will be considered firm and fixed unless otherwise indicated.
3. After an award has been made, failure to meet all requirements of this RFP may result in a determination of default and a withdrawal of the award.
4. The respondent warrants, by submission of a proposal in response to this RFP, that he or she (or his or her firm) has not, directly or indirectly, entered into any agreement, or participated in any act of collusion, or taken any other action or type of action so as to restrain full competitive bidding.
5. The successful respondent will be required to indemnify and hold RIHousing harmless against any and all losses, damages, costs and/or claims arising from work performed pursuant to this RFP. Additionally, the selected respondent will be required to present proof of insurance coverage with a company or companies licensed to provide business insurance in Rhode Island, with minimum coverage as follows:

Comprehensive General Liability Insurance:

Bodily Injury	\$1,000,000 each occurrence
	\$1,000,000 annual aggregate
Property Damage	\$500,000 each occurrence
	\$500,000 annual aggregate

Workers' Compensation Insurance:

Coverage B	\$100,000
------------	-----------



In the alternative, the selected respondent may provide proof of self-insurance or make other representations of financial responsibility satisfactory to RIHousing, in its sole discretion. Evidence of coverage must be provided by the selected respondent prior to award.

## **EVALUATION AND SELECTION**

A selection committee consisting of RIHousing employees (the “Committee”) will review all proposals and make a determination based on the following factors:

- Professional capacity to undertake the Scope of Work
- Proposed fee structure
- Previous work experience and performance with RIHousing and/or similar organizations
- Recommendations by references
- Firm minority status and affirmative action program or activities

RIHousing may invite one or more finalists to make presentations.

In its sole discretion, RIHousing may negotiate with one or more firms who have submitted qualifications to submit more detailed proposals on specific projects as they arise.

By this Request for Proposals, RIHousing has not committed itself to undertake the work set forth. RIHousing reserves the right to reject any and all proposals, to rebid the original or amended scope of services and to enter into negotiations with one or more respondents. RIHousing reserves the right to make those decisions after receipt of responses. RIHousing’s decision on these matters is final.

**For additional information contact:** Guy V. Pirolli, at [gpirolli@rihousing.com](mailto:gpirolli@rihousing.com).

*Revised: January 2020*



## Attachment A Scope of Work

### **Overview:**

RIHousing is seeking a service agreement with a qualified vendor to provide inspections and testing of fire detection, sprinkler system and suppression systems to ensure constant and proper operation for the protection of lives and property at its offices at 44 Washington Street, Providence, RI. Work provided under this agreement will also include repair services for any deficiencies found during the inspection, as well as on-call emergency repairs and long-term repairs. Anything necessary to achieve this objective should be considered as required in these specifications.

Service provided shall include testing, inspection, maintenance, repairs, and emergency response in accordance with all federal, state, local and National Fire Protection Association (NFPA) rules, regulations, standards and codes and manufacturer's procedures. All work must be conducted by qualified personnel, properly trained and licensed to perform such work in Rhode Island for each installed named system. The contractor must provide evidence of licensing by the appropriate government agency(s) to perform the work specified. Copy(s) of license(s) shall be provided to RIHousing along with contractor's response to the RFP or prior to commencing any work. During the performance of this testing service, any property damaged or altered shall be required to be restored at no additional expense to RIHousing.

As applicable, Contractor shall obtain all state and local permits and licenses as required by law and pay for all fees which may be required in the performance of his work.

### **Inspection:**

The vendor shall supply all labor and material required for testing and inspection of subject systems.

Inspections shall be performed on devices installed in the Slade/Garr and Earle Buildings. A copy of all device "points" is attached in Attachment C & D. At a minimum, the following items are to be included in all testing:

- Alarm devices – including pull stations, fire boxes, etc.
- Signal devices (sound and lighting)
- Heat sensors
- Duct detectors
- Smoke detectors
- Battery systems
- FM 200 Fire suppressant system (Computer server room)





### **Wet systems – Including alarm valves:**

- Hose valve outlets
- All test valves
- Control valves
- Supervisory devices
- Sprinkler piping, valves & heads
- Backflow valves

### **Ancillary Equipment:**

- Fire extinguisher testing shall be included in pricing Attachment B.

### **General Information:**

- Detailed test report(s) will be forwarded to RIHousing's contact within five (5) business days of the inspection.
- Testing shall be performed during normal work hours, Monday through Friday (excluding holidays) between the hours of 6:00 am and 12:00 pm unless otherwise agreed to by RIHousing.
- Areas where water will be discharged during drain tests must be marked for pedestrian safety.
- The vendor will immediately report to the agency, upon discovery, any system problems which may compromise the operation and reliability of the system tested and provide a written labor and material proposal to correct same.
- Proposals for corrections to any systems shall be submitted within 48 hours of problem identification and, if approved, work will be started within 48 hours of approval to proceed.

**If system operation has been compromised during the inspection, service and repair work, RIHousing shall be notified immediately and corrective work shall be treated as an emergency repair and shall commence as soon as possible.** System problems identified during test and inspection which do not compromise the operation or reliability of the system will be reported on the test reports. Upon completion of the testing, a complete device list will be generated identifying each device, device location, whether it passed or failed and if it failed, the reason for failure. The device list will be included in the records.

Proposals for corrective action subsequent to the inspection, will be submitted with the test and inspection reports. Any repair or service work that requires impairment of any system for an extended period of time may require work off hours, at night or on holidays. The corrective action proposal will include all work necessary to accomplish the specific



task, including work not necessarily performed by the primary trade involved. For example, repair of walls and ceilings damaged by water for sprinkler pipe failure, demolition (and repair) for access to work, wiring (including power) for replaced devices, insulation/covering of pipes, etc.

#### **EMERGENCY REPAIRS:**

Response time for any emergency service will not exceed two (2) hours. Responding technicians will have material available to promptly affect temporary or permanent repair to restore system. Time and material invoices for emergency work will be provided to RIHousing within five (5) business days. These may be presented or mailed to RIHousing contact. Should additional work be required to make final repairs to the emergency condition, a proposal must be submitted and approved prior to work commencing.

Upon completion of work, the Contractor shall furnish RIHousing with satisfactory proof of completion.

#### **PROPOSALS AND INVOICES FOR REPAIRS:**

All proposals will state the number of hours, hourly labor rate, material cost according to conditions of this agreement and will be inclusive of all work, direct or indirect. Invoices will be structured in the same manner as the proposals and will be presented with supporting documents, material slips, subcontractors' invoices, etc. No charges other than parts & labor on the job – **no travel, no fuel, no mileage, no miscellaneous charges.**



**Attachment B  
Pricing**

Pricing below includes costs for inspection and testing for all fire detection and suppression system equipment listed on SAS Panel inventories on Attachments C & D.

**Base Price:**

**Sprinklers:**                      **Annually:** \$ \_\_\_\_\_ **Quarterly:** \$ \_\_\_\_\_

**Smoke Detectors:**            **Annually:** \$ \_\_\_\_\_ **Quarterly:** \$ \_\_\_\_\_

**Fire Extinguishers:**         **Annually:** \$ \_\_\_\_\_

**Back Flow Valves:**           **Annually:** \$ \_\_\_\_\_

**FM 200 System:**             **Annually:** \$ \_\_\_\_\_

**Option 1:**

**Emergency Lighting Test Pricing:**      **Annually:** \$ \_\_\_\_\_

**HOURLY RATES – (for other work or emergency work):**

<b>Fire Alarm Service Repair Rates (Years 1-3)</b>	<b>Per Hour Pricing</b>	<b>Minimum Shift Hours (if applicable)</b>
Monday thru Friday – Normal Working Hours (8:00 – 4:00PM)	\$ _____ per hour	
Monday thru Friday - Overtime Hours	\$ _____ per hour	
Saturday	\$ _____ per hour	
Sunday & Holidays	\$ _____ per hour	



Fire Sprinkler Service Repair Rate (Years 1-3)	Per Hour Pricing	Minimum Shift Hours (if applicable)
Monday thru Friday – Normal Working Hours (8:00 – 4:00 PM)	\$_____per hour	
Monday thru Friday – Overtime Hours	\$_____per hour	
Saturday	\$_____per hour	
Sunday & Holidays	\$_____per hour	

**ADDITIONAL QUESTIONS:** (Enter N/A if Not Applicable)

Please describe and list any fees or charges not included in the pricing above:

---



---



---



---



---



---



---



---



**Attachment C**  
**Earle Building - SAS Device Inventory**

# SAS Panel Configuration

Project : EARLE\_BUILDING  
 Panel : PANEL1  
 Date : 9/13/2019 7:37:24 AM

(continued)

Loop	Address	Model	Device Type	Serial Number	Messages	Verify	Alt. Vfy
1	154	UM	None	5399254430	sprinkler flow	N/A	N/A
1	155	UM	Alarm Class A	5399254461	SPRINKLER FLOW	N/A	N/A
1	156	UM	None	5399254478	sprinkler flow	N/A	N/A
1	157	UM	Alarm Class A	5399253266	SPRINKLER FLOW	N/A	N/A
1	158	UM	None	5399253273	sprinkler flow	N/A	N/A
1	159	UM	Alarm Class A	5399253921	SPRINKLER FLOW	N/A	N/A
1	160	UM	None	5399253938	sprinkler flow	N/A	N/A
1	161	UM	Alarm Class A	5399345503	SPRINKLER FLOW	N/A	N/A
1	162	UM	None	5399345510	sprinkler flow	N/A	N/A
1	163	CC1	Continuous Silenceable	5098257404	CITY BOX	N/A	N/A
1	164	CR	Relay Non-Silenceable	5204339840	SECURITY RELAY	N/A	N/A
1	165	CT1	Supervisory Non-Latching	4808409652	GENERATOR	N/A	N/A

## User Key 1

Operation		Type
Function	Disable	Members
Correlation	ELEVATOR DISCONNECT GROUP	Members
Correlation	FAN DISCONNECT GROUP	Members

## User Key 2

Operation		Type
Function	Disable	Members
Correlation	CITY DISCONNECT GROUP	Members

# SAS Panel Configuration

Page: 10

Project : EARLE\_BUILDING  
 Panel : PANEL1  
 Date : 9/13/2019 7:37:24 AM

## Modules

Loop	Address	Model	Device Type	Serial Number	Messages	Verify	Alt. Vfy
1	126	UM	Continuous Silenceable	0000000000	OUTSIDE BEACON	N/A	N/A
1	127	UM	None	0000000000	outside beacon	N/A	N/A
1	128	CT1	Supervisory Latching	4850407675	DUCT SMOKE 4TH FL	N/A	N/A
1	129	CT1	Supervisory Latching	4850406463	DUCT SMOKE 3RD FL	N/A	N/A
1	130	CT1	Supervisory Latching	4850407552	DUCT SMOKE 2ND FL	N/A	N/A
1	131	CT1	Supervisory Latching	4850407194	DUCT SMOKE 1ST FL	N/A	N/A
1	132	CR	Relay Non-Silenceable	5296155854	FAN SHUTDOWN RELAY	N/A	N/A
1	133	CR	Relay Non-Silenceable	5296157681	FAN SHUTDOWN RELAY	N/A	N/A
1	134	CR	Relay Non-Silenceable	5296155984	FAN SHUTDOWN RELAY	N/A	N/A
1	135	CR	Relay Non-Silenceable	5296155939	FAN SHUTDOWN RELAY	N/A	N/A
1	136	CR	Relay Non-Silenceable	5296156516	MAIN ELEVATOR	N/A	N/A
1	137	CR	Relay Non-Silenceable	5296156400	ALTERNATE ELEVATOR	N/A	N/A
1	138	278	Pull Station	4898428939	PULL 1ST FLOOR	N/A	N/A
1	139	278	Pull Station	4898408603	PULL 1ST FLOOR	N/A	N/A
1	140	278	Pull Station	4898408146	PULL 1ST FLOOR	N/A	N/A
1	141	278	Pull Station	4898399239	PULL 2ND FLOOR	N/A	N/A
1	142	278	Pull Station	4898407927	PULL 2ND FLOOR	N/A	N/A
1	143	278	Pull Station	4898399864	PULL 3RD FLOOR	N/A	N/A
1	144	278	Pull Station	4844838010	PULL 3RD FLOOR	N/A	N/A
1	145	278	Pull Station	4898428090	PULL 4TH FLOOR	N/A	N/A
1	146	278	Pull Station	4844838096	PULL 4TH FLOOR	N/A	N/A
1	147	CT1	Supervisory Non-Latching	4847175334	SPRINKLER TAMPER	N/A	N/A
1	148	CT1	Supervisory Non-Latching	4847174405	SPRINKLER TAMPER	N/A	N/A
1	149	CT1	Supervisory Non-Latching	4847175235	SPRINKLER TAMPER	N/A	N/A
1	150	CT1	Supervisory Non-Latching	4847174733	SPRINKLER TAMPER	N/A	N/A
1	151	CT1	Supervisory Non-Latching	4847174412	SPRINKLER TAMPER	N/A	N/A
1	152	CT1	Supervisory Non-Latching	4847174511	SPRINKLER TAMPER	N/A	N/A
1	153	UM	Alarm Class A	5399254423	SPRINKLER FLOW	N/A	N/A

# SAS Panel Configuration

Project : EARLE\_BUILDING  
 Panel : PANEL1  
 Date : 9/13/2019 7:37:23 AM

(continued)												
Detectors												
Loop	Address	Model	Device Type	Base Type	Serial Number	Messages	Sensitivity	Verification		Pre Alarm	Follows	Operation
								Alt. Sens.	Alt. Verify			
Follow CO												
1	21	PS Smoke		Standard	3988201711	DUCT SMOKE 4TH FL	Normal	N/A		None	None	N/A
							Normal	N/A		None	No	N/A
1	22	PS Smoke		Standard	3926718165	SMOKE 4TH FLOOR LOBBY	Normal	N/A		None	None	N/A
							Normal	N/A		None	No	N/A
1	23	PS Smoke		Standard	3927424564	SMOKE 4TH FLOOR BY STAIRS	Normal	N/A		None	None	N/A
							Normal	N/A		None	No	N/A
1	24	PS Smoke		Standard	3988125383	DUCT SMOKE 3RD FL MECHANICAL	Normal	N/A		None	None	N/A
							Normal	N/A		None	No	N/A
1	25	PS Smoke		Standard	3988206488	DUCT SMOKE 2ND FL MECHANICAL	Normal	N/A		None	None	N/A
							Normal	N/A		None	No	N/A
1	26	PS Smoke		Standard	3988201766	DUCT SMOKE 1ST FL MECHANICAL	Normal	N/A		None	None	N/A
							Normal	N/A		None	No	N/A
1	27	HRS Heat ROR		Standard	3804457742	HEAT 4TH FLOOR ELECTRIC ROOM	N/A	N/A		None	None	N/A
							N/A	N/A		None	No	N/A
1	28	HRS Heat ROR		Standard	3804455588	HEAT 3RD FLOOR ELECTRIC ROOM	N/A	N/A		None	None	N/A
							N/A	N/A		None	No	N/A
1	29	HRS Heat ROR		Standard	3803780049	HEAT 2ND FLOOR ELECTRIC ROOM	N/A	N/A		None	None	N/A
							N/A	N/A		None	No	N/A



# SAS Panel Configuration

Project : EARLE\_BUILDING  
 Panel : PANEL1  
 Date : 9/13/2019 7:37:23 AM

(continued)										
Loop	Address	Model	Device Type	Base Type	Messages	Sensitivity	Verification	Pre Alarm	Follows	Operation
				Serial Number		Alt. Sens.	Alt. Verify	Alt. Pre	Latched	Alt Operation
									Follow CO	
1	12	PS Smoke		Standard 3988207010	SMOKE 3RD FLOOR ELEVATOR LOBBY	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	13	PS Smoke		Standard 3923503702	SMOKE 3RD FLOOR OPEN OFFICES	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	14	PS Smoke		Standard 3988125604	SMOKE 4TH FLOOR STAIR 1 EAST	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	15	PS Smoke		Standard 3988206631	SMOKE 4TH FLOOR ELEVATOR LOBBY	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	16	PS Smoke		Standard 3988201810	SMOKE 4TH FLOOR TOP OF ELEV SHAFT	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	17	PS Smoke		Standard 3988206655	SMOKE 4TH FLOOR HALL BY MECH ROOM	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	18	PS Smoke		Standard 3988201858	SMOKE 4TH FLOOR STAIR 2 WEST	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	19	PS Smoke		Standard 3926954198	SMOKE 2ND FLOOR BY LOBBY	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	20	PS Smoke		Standard 3923502859	SMOKE 2ND FLOOR BY STAIRS	Normal Normal	N/A N/A	None None	None No	N/A N/A

# SAS Panel Configuration

Project : EARLE\_BUILDING

Panel : PANEL1

Date : 9/13/2019 7:37:23 AM

Page: 7

(continued)												
Loop	Address	Model Device Type	Base Type Serial Number	Messages	Sensitivity Alt. Sens.	Verification Alt. Verify	Pre Alarm Alt. Pre	Follows Latched Follow CO	Operation Alt Operation			
1	3	HRS Heat ROR	Standard 3897907209	HEAT 1ST FLOOR ELEV MACHINE ROOM	N/A N/A	N/A N/A	None None	None No	N/A N/A			
1	4	PS Smoke	Standard 3988123297	SMOKE 1ST FLOOR HALL BY ELEV MACH RM	Normal Normal	N/A N/A	None None	None No	N/A N/A			
1	5	PS Smoke	Standard 3988089241	SMOKE 1ST FLOOR ELECTRICAL ROOM	Normal Normal	N/A N/A	None None	None No	N/A N/A			
1	6	PS Smoke	Standard 3988088930	SMOKE 2ND FLOOR HALL BY MECH RM	Normal Normal	N/A N/A	None None	None No	N/A N/A			
1	7	PS Smoke	Standard 3988088886	SMOKE 2ND FLOOR STAIR 1 EAST	Normal Normal	N/A N/A	None None	None No	N/A N/A			
1	8	PS Smoke	Standard 3988201834	SMOKE 2ND FLOOR ELEVATOR LOBBY	Normal Normal	N/A N/A	None None	None No	N/A N/A			
1	9	PS Smoke	Standard 3988125277	SMOKE 2ND FLOOR STAIR 2 WEST	Normal Normal	N/A N/A	None None	None No	N/A N/A			
1	10	PS Smoke	Standard 3988201698	SMOKE 3RD FLOOR HALL BY MECH ROOM	Normal Normal	N/A N/A	None None	None No	N/A N/A			
1	11	PS Smoke	Standard 3925324336	SMOKE 3RD FLOOR BY LOBBY	Normal Normal	N/A N/A	None None	None No	N/A N/A			

# SAS Panel Configuration

Project : EARLE\_BUILDING  
 Panel : PANEL1  
 Date : 9/13/2019 7:38:55 AM

**IP Settings** (continued)

<b>IP Dialer 8</b>			
Receiver Type	Inactive	Hello Time	25
Receiver Number	2	Time Out	40
Line Number	2		
<b>IP Account 8</b>			
Account ID	IP Address	TCP/IP Port	Account Restoration
FFFF	192.168.1.254	8888	Yes
			Account Reporting
			Device

<b>Loop 1</b>	
Wiring Class	A
Mapping Enabled	Yes
Fast Group Range	None

<b>Detectors</b>		Model	Base Type	Serial Number	Messages	Sensitivity	Verification	Pre Alarm	Follows	Operation
Loop	Address	Device Type				Alt. Sens.	Alt. Verify	Alt. Pre Alarm	Latched	AltOperation
1	1	PS Smoke	Standard	3988201735	SMOKE 1ST FLOOR STAIR 1	Normal	N/A	None	None	N/A
						Normal	N/A	None	No	N/A
1	2	PS Smoke	Standard	3988201575	SMOKE 1ST FLOOR ELEVATOR LOBBY	Normal	N/A	None	None	N/A
						Normal	N/A	None	No	N/A



**Attachment D**

**Slade/Garr Building - SAS Device Inventory**

# SAS Panel Configuration

Project : SLADE\_GARR  
 Panel : PANEL1  
 Date : 9/13/2019 7:32:53 AM

(continued)

Loop	Address	Model	Device Type	Serial Number	Messages	Verify	Alt. Vfy
2	129	278	Pull Station	4895904597	5TH FL PULL	N/A	N/A
2	130	278	Pull Station	4895902906	5TH FL PULL	N/A	N/A
2	131	278	Pull Station	4895903545	6TH FL PULL	N/A	N/A
2	132	278	Pull Station	4895905464	6TH FL PULL	N/A	N/A
2	133	UM	Alarm Class A	5398417720	4TH FL SPRINKLER	N/A	N/A
2	134	UM	None	5398417737	4th fl sprinkler	N/A	N/A
2	135	UM	Alarm Class A	5398411568	4TH FL SPRINKLER	N/A	N/A
2	136	UM	None	5398411575	4th fl sprinkler	N/A	N/A
2	137	UM	Alarm Class A	5398416327	5TH FL SPRINKLER	N/A	N/A
2	138	UM	None	5398416334	5th fl sprinkler	N/A	N/A
2	139	UM	Alarm Class A	5398416662	5TH FL SPRINKLER	N/A	N/A
2	140	UM	None	5398416679	5th fl sprinkler	N/A	N/A
2	141	UM	Alarm Class A	5398417522	6TH FL SPRINKLER	N/A	N/A
2	142	UM	None	5398417539	6th fl sprinkler	N/A	N/A
2	143	UM	Alarm Class A	5397764924	4TH FL COMPUTER	N/A	N/A
2	144	UM	None	5397764931	4th fl computer	N/A	N/A
2	145	UM	Supervisory Latching Class A	5398417843	6TH FL TAMPER	N/A	N/A
2	146	UM	None	5398417850	6th fl tamper	N/A	N/A
2	147	UM	Supervisory Latching Class A	5398416624	6TH FL TAMPER	N/A	N/A
2	148	UM	None	5398416631	6th fl tamper	N/A	N/A
2	149	UM	Supervisory Latching Class A	5398417607	5TH FL TAMPER	N/A	N/A
2	150	UM	None	5398417614	5th fl tamper	N/A	N/A
2	151	UM	Supervisory Latching Class A	5398474143	5TH FL TAMPER	N/A	N/A
2	152	UM	None	5398474150	5th fl tamper	N/A	N/A
2	153	UM	Supervisory Latching Class A	5398407707	4TH FL TAMPER	N/A	N/A
2	154	UM	None	5398407714	4th fl tamper	N/A	N/A
2	155	UM	Supervisory Latching Class A	5398412428	4TH FL TAMPER	N/A	N/A
2	156	UM	None	5398412435	4th fl tamper	N/A	N/A

# SAS Panel Configuration

Project : SLADE\_GARR  
 Panel : PANEL1  
 Date : 9/13/2019 7:32:53 AM

(continued)

Detectors											
Loop	Address	Model	Device Type	Base Type	Serial Number	Messages	Sensitivity	Verification	Pre Alarm	Follows	Operation
							Alt. Sens.	Alt. Verify	Alt. Pre	Latched	Alt Operation
										Follow CO	
2	57	IM Monitor		Isolator	3690452500	ISOLATOR MODULE	N/A N/A	N/A N/A	None None	None No	N/A N/A
2	58	PS Smoke		Standard	3925440357	4TH FL SMK BY DATA SLADE WEST	Normal Normal	N/A N/A	None None	None No	N/A N/A
2	59	PS Smoke		Standard	3925416321	4TH FL SMK BY TELE RM GARR SOUTH	Normal Normal	N/A N/A	None None	None No	N/A N/A
2	60	HRS Heat ROR		Standard	3804538069	4TH FL HEAT DATA RM 20	N/A N/A	N/A N/A	None None	None No	N/A N/A
2	61	HRS Heat ROR		Standard	3803130325	4TH FL HEAT JANITORS CLOSET 76	N/A N/A	N/A N/A	None None	None No	N/A N/A
2	62	PS Smoke		Standard	3927873177	4TH FL SMK NORTH STAIRWELL	Normal Normal	N/A N/A	None None	None No	N/A N/A
2	12	HRS Heat ROR		Standard	3804583410	4TH FL HEAT BREAK RM GARR EAST	N/A N/A	N/A N/A	None None	None No	N/A N/A

Modules							
Loop	Address	Model	Device Type	Serial Number	Messages	Verify	Alt. Vfy
2	126	278	Pull Station	4895903590	4TH FL PULL NORTH	N/A	N/A
2	127	278	Pull Station	4895902944	4TH FL PULL NORTH	N/A	N/A
2	128	278	Pull Station	4895903118	5TH FL PULL NORTH	N/A	N/A
					STAIR EXIT		
					STAIR EXIT 4		
					STAIR EXIT 110		

# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

(continued)											
Loop	Address	Model Device Type	Base Type Serial Number	Messages	Sensitivity Alt. Sens.	Verification Alt. Verify	Pre Alarm Alt. Pre	Follows Latched Follow CO	Operation Alt Operation		
2	49	HRS Heat ROR	Standard 3804457346	6TH FL HEAT STORAGE CLOSET 130	N/A N/A	N/A N/A	None None	None No	N/A N/A		
2	50	HRS Heat ROR	Standard 3804455243	5TH FL HEAT MECHANICAL ROOM	N/A N/A	N/A N/A	None None	None No	N/A N/A		
2	51	HRS Heat ROR	Standard 3804457377	5TH FL HEAT DATA ROOM	N/A N/A	N/A N/A	None None	None No	N/A N/A		
2	25	IM Monitor	Isolator 3690453088	5TH FL SMK HALL UNION / WASH SLADE	N/A N/A	N/A N/A	None None	None No	N/A N/A		
2	52	IM Monitor	Isolator 3690453026	ISOLATOR MODULE FOURTH FLOOR	N/A N/A	N/A N/A	None None	None No	N/A N/A		
2	53	IM Monitor	Isolator 3690453132	ISOLATOR MODULE FIFTH FLOOR	N/A N/A	N/A N/A	None None	None No	N/A N/A		
2	54	IM Monitor	Isolator 3690453156	ISOLATOR MODULE FIFTH FLOOR	N/A N/A	N/A N/A	None None	None No	N/A N/A		
2	55	IM Monitor	Isolator 3690452920	ISOLATOR MODULE	N/A N/A	N/A N/A	None None	None No	N/A N/A		
2	56	IM Monitor	Isolator 3690452555	ISOLATOR MODULE SIXTH FLOOR	N/A N/A	N/A N/A	None None	None No	N/A N/A		

# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

Page: 23

(continued)											
Detectors											
Loop	Address	Model	Device Type	Base Type	Messages	Sensitivity	Verification	Pre Alarm	Follows	Operation	
				Serial Number		Alt. Sens.	Alt. Verify	Alt. Pre	Latched	Alt Operation	
									Follow CO		
2	39	PS Smoke		Standard 3927304947	6TH FL SMK HALL BY ELECTRIC RM 136	Normal Normal	N/A N/A	None None	None No	N/A N/A	
2	40	PS Smoke		Standard 3927350265	5TH FL SMK TOP OF SHAFT NORTH	Normal Normal	N/A N/A	None None	None No	N/A N/A	
2	42	PS Smoke		Standard 3927356045	6TH FL SMK SOUTH STAIR	Normal Normal	N/A N/A	None None	None No	N/A N/A	
2	43	PS Smoke		Standard 3927503456	6TH FL SMK SOUTH STAIRWELL	Normal Normal	N/A N/A	None None	None No	N/A N/A	
2	44	PS Smoke		Standard 3927487091	6TH FL SMK TOP OF SHAFT SOUTH	Normal Normal	N/A N/A	None None	None No	N/A N/A	
2	45	HRS Heat ROR		Standard 3804457759	6TH FL HEAT DATA ROOM 137	N/A N/A	N/A N/A	None None	None No	N/A N/A	
2	46	HRS Heat ROR		Standard 3804455564	6TH FL HEAT ELECTRIC ROOM 136	N/A N/A	N/A N/A	None None	None No	N/A N/A	
2	47	HRS Heat ROR		Standard 3804457483	5TH FL HEAT ELECTRIC ROOM 109	N/A N/A	N/A N/A	None None	None No	N/A N/A	
2	48	HRS Heat ROR		Standard 3804457957	5TH FL HEAT DATA ROOM 110	N/A N/A	N/A N/A	None None	None No	N/A N/A	



# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

Page: 22

Detectors												
Loop	Address	Model	Device Type	Base Type	Serial Number	Messages	Sensitivity	Verification		Pre Alarm	Follows	Operation
								Alt. Sens.	Alt. Verify			
2	31	PS Smoke		Standard	3927365832	5TH FL SMK CENTER STAIR 112	Normal Normal	N/A N/A	None None	None None	None None	N/A N/A
2	32	PS Smoke		Standard	3927304800	5TH FL SMK HALL BY SOUTH ELEC CLOSET	Normal Normal	N/A N/A	None None	None None	None None	N/A N/A
2	33	PS Smoke		Standard	3927286496	5TH FL SMK HALL BY NORTH ELEVATOR	Normal Normal	N/A N/A	None None	None None	None None	N/A N/A
2	41	PS Smoke		Standard	3927378177	6TH FL SMK HALL BY SOUTH STAIR	Normal Normal	N/A N/A	None None	None None	None None	N/A N/A
2	34	PS Smoke		Standard	3927493801	5TH FL SMK HALL BY NORTH ELEVATOR	Normal Normal	N/A N/A	None None	None None	None None	N/A N/A
2	35	PS Smoke		Standard	3927366426	5TH FL SMK NORTH STAIRWELL	Normal Normal	N/A N/A	None None	None None	None None	N/A N/A
2	36	PS Smoke		Standard	3927353624	5TH FL SMK GARR EAST EDDY STREET	Normal Normal	N/A N/A	None None	None None	None None	N/A N/A
2	37	PS Smoke		Standard	3927304916	6TH FL SMK HALL BY STAIR / GARR TELE RM	Normal Normal	N/A N/A	None None	None None	None None	N/A N/A
2	38	PS Smoke		Standard	3927358285	6TH FL SMK SO STAIR BY TELE DATA ROOM	Normal Normal	N/A N/A	None None	None None	None None	N/A N/A

(continued)

# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

Page: 21

Detectors																	
Loop	Address	Model	Device Type	Base Type	Serial Number	Messages	Sensitivity	Alt. Sens.	Verification	Alt. Verify	Pre Alarm	Alt. Pre	Follows	Latched	Follow CO	Operation	Alt Operation
2	23	PS Smoke		Standard	3927494143	5TH FL SMK SOUTH STAIR	Normal	Normal	N/A	N/A	None	None	None	None	N/A	N/A	N/A
2	22	PS Smoke		Standard	3927442526	5TH FL SMK HALL SLADE ELEVEL BY NO.	Normal	Normal	N/A	N/A	None	None	None	None	N/A	N/A	N/A
2	21	PS Smoke		Standard	3927503739	5TH FL SMK SLADE EAST EDDY STREET	Normal	Normal	N/A	N/A	None	None	None	None	N/A	N/A	N/A
2	20	PS Smoke		Standard	3927503746	5TH FL SMK NORTH SIDE EDDY / WASH ST	Normal	Normal	N/A	N/A	None	None	None	None	N/A	N/A	N/A
2	26	PS Smoke		Standard	3927343397	5TH FL SMK WEST UNION BY DATA SLADE	Normal	Normal	N/A	N/A	None	None	None	None	N/A	N/A	N/A
2	27	PS Smoke		Standard	3927357301	5TH FL SMK SLADE WEST SIDE	Normal	Normal	N/A	N/A	None	None	None	None	N/A	N/A	N/A
2	28	PS Smoke		Standard	3927321470	5TH FL SMK SLADE BY MAINT ROOM	Normal	Normal	N/A	N/A	None	None	None	None	N/A	N/A	N/A
2	29	PS Smoke		Standard	3927353723	5TH FL SMK COFFEE CTR WEST SIDE GARR	Normal	Normal	N/A	N/A	None	None	None	None	N/A	N/A	N/A
2	30	PS Smoke		Standard	3927230499	5TH FL SM KBY JANITR CLOSET SOUTH GARR	Normal	Normal	N/A	N/A	None	None	None	None	N/A	N/A	N/A

(continued)

# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

Page: 20

(continued)												
Loop	Address	Model Device Type	Base Type Serial Number	Messages	Sensitivity Alt. Sens.	Verification Alt. Verify	Pre Alarm Alt. Pre	Follows Latched Follow CO	Operation			
									Alt. Pre	Alt. Operation		
2	13	PS Smoke	Standard 3927440737	4TH FL SMK SLADE EAST EDDY ST HALL	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A		
2	11	PS Smoke	Standard 3927493917	4TH FL SMK CAFETRA GARR EAST	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A		
2	10	PS Smoke	Standard 3927493887	4TH FL SMK BREAK RM GARR EAST	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A		
2	9	PS Smoke	Standard 3927441598	4TH FL SMK ELEVI LOBBY SOUTH GARR	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A		
2	16	HRS Heat ROR	Standard 3804457728	4TH FL HEAT ELECT ROOM 74	N/A N/A	N/A N/A	None None	None No	N/A N/A	N/A N/A		
2	17	HRS Heat ROR	Standard 3804457513	4TH FL HEAT TELE / DATA ROOM	N/A N/A	N/A N/A	None None	None No	N/A N/A	N/A N/A		
2	18	HRS Heat ROR	Standard 3804457179	5TH FL HEAT JANITORS CLST 113	N/A N/A	N/A N/A	None None	None No	N/A N/A	N/A N/A		
2	19	HRS Heat ROR	Standard 3804457551	4TH FL HEAT MECHANICAL ROOM	N/A N/A	N/A N/A	None None	None No	N/A N/A	N/A N/A		
2	24	PS Smoke	Standard 3927491135	5TH FL SMK SLADE LOBBY NRTH ELEV	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A		

# SAS Panel Configuration

Project : SLADE\_GARR  
 Panel : PANEL1  
 Date : 9/13/2019 7:32:53 AM

Page: 19

Detectors											
Loop	Address	Model	Device Type	Base Type	Serial Number	Messages	Sensitivity	Verification	Pre Alarm	Follows	Operation
							Alt. Sens.	Alt. Verify	Alt. Pre	Latched	Alt Operation
										Follow CO	
2	2	PS Smoke		Standard 3927494280		4TH FL SMK SLADE EAST EDDY ST	Normal Normal	N/A N/A	None None	None No	N/A N/A
2	3	PS Smoke		Standard 3927377101		4TH FL SMK HALL BY NORTH ELEVATOR	Normal Normal	N/A N/A	None None	None No	N/A N/A
2	4	PS Smoke		Standard 3927340273		4TF LF SMK NORTH ELEVATOR LOBBY	Normal Normal	N/A N/A	None None	None No	N/A N/A
2	5	PS Smoke		Standard 3927378122		4TH FL SMK CORNER UNION / WSHNGTN ST	Normal Normal	N/A N/A	None None	None No	N/A N/A
2	6	PS Smoke		Standard 3927503258		5TH FL SMK SLADE EAST EDDY ST SKYLIT	Normal Normal	N/A N/A	None None	None No	N/A N/A
2	7	PS Smoke		Standard 3927494730		4TH FL SMK BY GARR REST ROOMS WEST	Normal Normal	N/A N/A	None None	None No	N/A N/A
2	8	PS Smoke		Standard 3927441161		5TH FL SMK TOP OF STAIRS TO SLADE	Normal Normal	N/A N/A	None None	None No	N/A N/A
2	15	PS Smoke		Standard 3927377361		4TH FL SM K SOUTH STAIRWELL	Normal Normal	N/A N/A	None None	None No	N/A N/A
2	14	PS Smoke		Standard 3927494181		4TH FL SMK SLADE EAST MECH ROOM	Normal Normal	N/A N/A	None None	None No	N/A N/A

(continued)

# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

(continued)

Loop	Address	Model	Device Type	Serial Number	Messages	Verify	Alt. Vfy
1	185	CR	Relay Non-Silenceable	5290791331	TROUBLE RELAY	N/A	N/A
1	186	CR	Relay Non-Silenceable	5290791249	PRIMARY ELEVATOR	N/A	N/A
1	187	CC1	Continuous Silenceable	5095703119	CITY BOX	N/A	N/A
1	188	278	Pull Station	4895729985	1ST FL PULL BY	N/A	N/A
1	189	UM	Alarm Class A	5398457405	4TH FL COMPUTER	N/A	N/A
1	190	UM	None	5398457412	4th fl computer	N/A	N/A
1	191	CR	Relay Non-Silenceable	5291682843	FAN SHUTDOWN	N/A	N/A
1	192	UM	Continuous Silenceable Class A	5398397763	OUTSIDE STROBE	N/A	N/A
1	193	UM	None	5398397770	outside strobe	N/A	N/A
1	194	UM	Supervisory Non-Latching Class A	5398416945	1ST FL TAMPER	N/A	N/A
1	195	UM	None	5398416952	1st fl tamper	N/A	N/A
1	196	CR	Relay Non-Silenceable	520475098	SECURITY RELAY	N/A	N/A
1	197	CT1	Supervisory Non-Latching	4808407283	GENERATOR	N/A	N/A

<b>Loop 2</b>	
Wiring Class	A
Mapping Enabled	Yes
Fast Group Range	1To25

Detectors		Model	Base Type	Serial Number	Messages	Sensitivity	Verification	Pre Alarm	Follows	Operation
Loop	Address	Device Type				Alt. Sens.	Alt. Verify	Alt. Pre Alarm	Latched	AltOperation
2	1	PS Smoke	Standard	3927503708	4TH FL SMK CORNER OF WASH / EDDY ST	Normal	N/A	None	None	N/A
						Normal	N/A	None	No	N/A

# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

Page: 17

Modules									
Loop	Address	Model	Device Type	Serial Number	Messages	Verify	Alt. Vfy	(continued)	
1	157	UM	None	5398411216	2nd flr sprinkler	N/A	N/A	flow north stair	N/A
1	158	UM	Alarm Class A	5398412565	3RD FL SPRINKLER	N/A	N/A	FLOW north stair	N/A
1	159	UM	None	5398412572	3rd fl sprinkler	N/A	N/A	flow north stair	N/A
1	160	UM	Alarm Class A	5398416426	3RD FL SPRINKLER	N/A	N/A	FLOW south stair	N/A
1	161	UM	None	5398416433	3rd fl sprinkler	N/A	N/A	flow south stair	N/A
1	162	UM	Supervisory Non-Latching Class A	5398416303	BASEMENT TAMPER	N/A	N/A		N/A
1	163	UM	None	5398416310	basement tamper	N/A	N/A		N/A
1	164	UM	Supervisory Non-Latching Class A	5398415429	BASEMENT TAMPER	N/A	N/A	NORTH STAIR	N/A
1	165	UM	None	5398415436	basement tamper	N/A	N/A	north stair	N/A
1	166	UM	Supervisory Non-Latching Class A	5398411407	MAIN SPRINKLER	N/A	N/A	TAMPER basement	N/A
1	167	UM	None	5398411414	main sprinkler	N/A	N/A	tamper basement	N/A
1	168	UM	Supervisory Non-Latching Class A	5398412589	MAIN SPRINKLER	N/A	N/A	TAMPER basement	N/A
1	169	UM	None	5398412596	main sprinkler	N/A	N/A	tamper basement	N/A
1	170	UM	Supervisory Non-Latching Class A	5398411506	1ST FL TAMPER	N/A	N/A	NORTH STAIR	N/A
1	171	UM	None	5398411513	1st fl tamper	N/A	N/A	north stair	N/A
1	172	UM	Supervisory Non-Latching Class A	5398417782	2ND FL TAMPER	N/A	N/A	SOUTH STAIR	N/A
1	173	UM	None	5398417799	2nd fl tamper	N/A	N/A	south stair	N/A
1	174	UM	Supervisory Non-Latching Class A	5398416907	2ND FL TAMPER	N/A	N/A	NORTH STAIR	N/A
1	175	UM	None	5398416914	2nd fl tamper	N/A	N/A	north stair	N/A
1	176	UM	Supervisory Non-Latching Class A	5398417065	3RD FL TAMPER	N/A	N/A	NORTH STAIR	N/A
1	177	UM	None	5398417072	3rd fl tamper	N/A	N/A	north stair	N/A
1	178	UM	Supervisory Non-Latching Class A	5398417249	3RD FL TAMPER	N/A	N/A	SOUTH STAIR	N/A
1	179	UM	None	5398417256	3rd fl tamper	N/A	N/A	south stair	N/A
1	180	CR	Relay Non-Silenceable	5290790709	ALTERNATE ELEVATOR	N/A	N/A	CAPTURE SOUTH ELEV	N/A
1	181	CR	Relay Non-Silenceable	5290791010	HAT FLASH SOUTH	N/A	N/A	ELEVATOR	N/A
1	182	CR	Relay Non-Silenceable	5290791218	PRIMARY ELEVATOR	N/A	N/A	CAPTURE SOUTH	N/A
1	183	CR	Relay Non-Silenceable	5290790525	ALTERNATE ELEVATOR	N/A	N/A	CAPTURE NRTH ELEV	N/A
1	184	CR	Relay Non-Silenceable	5290790594	HAT FLASH NORTH	N/A	N/A	ELEVATOR	N/A

# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

Modules							(continued)	
Loop	Address	Model	Device Type	Serial Number	Messages	Verify	Alt.	Vfy
1	129	278	Pull Station	4895902685	1ST FL PULL EXIT TO	N/A	N/A	N/A
1	130	278	Pull Station	4895906843	1ST FL PULL EXIT	N/A	N/A	N/A
1	131	278	Pull Station	4895903071	1ST FL PULL HALL BY	N/A	N/A	N/A
1	132	278	Pull Station	4895906638	1ST FL PULL ELEVATOR	N/A	N/A	N/A
1	133	278	Pull Station	4895903132	1ST FL PULL SOUTH	N/A	N/A	N/A
1	134	278	Pull Station	4895903200	1ST FL PULL EXIT TO	N/A	N/A	N/A
1	135	278	Pull Station	4895907574	1ST FL PULL OPEN	N/A	N/A	N/A
1	136	278	Pull Station	4895902760	1ST FL PULL REAR	N/A	N/A	N/A
1	137	278	Pull Station	4895903330	1ST FL PULL EXIT	N/A	N/A	N/A
1	138	278	Pull Station	4895907819	1ST FL PULL EXIT	N/A	N/A	N/A
1	139	278	Pull Station	4895907390	2ND FL PULL ELEVATOR	N/A	N/A	N/A
1	140	278	Pull Station	4895906256	2ND FL PULL EXIT TO	N/A	N/A	N/A
1	141	278	Pull Station	4895902982	2ND FL PULL EXIT TO	N/A	N/A	N/A
1	142	278	Pull Station	4895902746	3RD FL PULL TO	N/A	N/A	N/A
1	143	278	Pull Station	4895906102	3RD FL PULL TO	N/A	N/A	N/A
1	144	UM	Alarm Class A	5398416921	1ST FL SPRINKLER	N/A	N/A	N/A
1	145	UM	None	5398416938	1st flr sprinkler	N/A	N/A	N/A
1	146	UM	Alarm Class A	5398417386	BSMNT SPRINKLER	N/A	N/A	N/A
1	147	UM	None	5398417393	bsmnt sprinkler	N/A	N/A	N/A
1	148	UM	Alarm Class A	5398416860	BSMNT SPRINKLER	N/A	N/A	N/A
1	149	UM	None	5398416877	bsmnt sprinkler	N/A	N/A	N/A
1	150	UM	Alarm Class A	5398416204	MAIN SPRINKLER	N/A	N/A	N/A
1	151	UM	None	5398416211	main sprinkler	N/A	N/A	N/A
1	152	UM	Alarm Class A	5398417768	1ST FLR SPRINKLER	N/A	N/A	N/A
1	153	UM	None	5398417775	1st flr sprinkler	N/A	N/A	N/A
1	154	UM	Alarm Class A	5398411582	2ND FLR SPRINKLER	N/A	N/A	N/A
1	155	UM	None	5398411599	2nd flr sprinklr	N/A	N/A	N/A
1	156	UM	Alarm Class A	5398411209	2ND FLR SPRINKLER	N/A	N/A	N/A

# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

Page: 15

(continued)

Detectors											
Loop	Address	Model	Device Type	Base Type	Serial Number	Messages	Sensitivity	Verification	Pre Alarm	Follows	Operation
							Alt. Sens.	Alt. Verify	Alt. Pre	Latched	Alt Operation
										Follow CO	
1	80	PS Smoke		Standard 3927340174	1ST FL SMK FRNT OF RENTAL EDDY ST	Normal Normal	N/A N/A	N/A N/A	None None	None No	N/A N/A
1	79	PS Smoke		Standard 3927366396	1ST FL SMK EDDY ST REAR OF RENTAL	Normal Normal	N/A N/A	N/A N/A	None None	None No	N/A N/A
1	78	PS Smoke		Standard 3927492347	1ST FL SMK FRONT RENTAL REAR	Normal Normal	N/A N/A	N/A N/A	None None	None No	N/A N/A
1	77	PS Smoke		Standard 3927358292	1ST FL SMK FRONT RENTAL WASH. ST	Normal Normal	N/A N/A	N/A N/A	None None	None No	N/A N/A
1	76	PS Smoke		Standard 3928674803	1ST FL SMK BY FACP	Normal Normal	N/A N/A	N/A N/A	None None	None No	N/A N/A
1	81	PS Smoke		Standard 3927442465	3RD FL SMK ELEV LOBBY SOUTH	Normal Normal	N/A N/A	N/A N/A	None None	None No	N/A N/A
1	52	HFS Heat		Standard 3601240844	1ST FL HEAT ELECTRIC ROOM	N/A N/A	N/A N/A	N/A N/A	None None	None No	N/A N/A

Modules							
Loop	Address	Model	Device Type	Serial Number	Messages	Verify	Alt. Vfy
1	126	278	Pull Station	4895905242	BSMNT PULL EXIT	N/A	N/A
1	127	278	Pull Station	4895907840	BSMNT PULL EXIT	N/A	N/A
1	128	278	Pull Station	4895905587	1ST FL PULL BY FACP	N/A	N/A



# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

(continued)											
Loop	Address	Model Device Type	Base Type Serial Number	Messages	Sensitivity Alt. Sens.	Verification Alt. Verify	Pre Alarm Alt. Pre	Follows Latched Follow CO	Operation		
									Alt. Pre	Alt. Operation	
1	67	IM Monitor	Isolator 3690451121	ISOLATOR MODULE	N/A N/A	N/A N/A	None None	None No	N/A N/A	N/A N/A	
1	68	PS Smoke	Standard 3927424225	1ST FL SMK REAR HALL BY LADIES RM	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A	
1	69	HRS Heat ROR	Standard 3804048131	2ND FL HEAT DATA ROOM 20	N/A N/A	N/A N/A	None None	None No	N/A N/A	N/A N/A	
1	70	PS Smoke	Standard 3926717557	1ST FL SMK VESTIBULE NEW WASH ST	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A	
1	71	PS Smoke	Standard 3928681641	1ST FL SMK NEW LOBBY	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A	
1	72	PS Smoke	Standard 3928684987	1ST FL SMK WEST SIDE HALL LOAN ORIG	More Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A	
1	73	PS Smoke	Standard 392866298	1ST FL SMK WEST SIDE HALL LOAN ORIG	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A	
1	74	PS Smoke	Standard 3928666877	1ST FL SMK WEST GARR UNION STREET	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A	
1	75	HRS Heat ROR	Standard 3804532968	1ST FL HEAT SUBWAY FRONT DINING ROOM	N/A N/A	N/A N/A	None None	None No	N/A N/A	N/A N/A	

# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

(continued)										
Loop	Address	Model	Device Type	Base Type	Messages	Sensitivity	Verification	Pre Alarm	Follows	Operation
				Serial Number		Alt. Sens.	Alt. Verify	Alt. Pre	Latched	Alt Operation
									Follow CO	
1	60	HRS Heat ROR		Standard 3804457889	3RD FL HEAT MECHANICAL ROOM	N/A N/A	N/A N/A	None None	None No	N/A N/A
1	59	HRS Heat ROR		Standard 3804493658	3RD FL HEAT DAT RM NORTH 14	N/A N/A	N/A N/A	None None	None No	N/A N/A
1	58	HRS Heat ROR		Standard 3804457421	3RD FL HEAT ELECTRICAL RM NORTH	N/A N/A	N/A N/A	None None	None No	N/A N/A
1	57	HRS Heat ROR		Standard 3804457520	2ND FL HEAT INTERVIEW ROOM 13	N/A N/A	N/A N/A	None None	None No	N/A N/A
1	62	IM Monitor		Isolator 3690447384	ISOLATOR MODULE BASEMENT	N/A N/A	N/A N/A	None None	None No	N/A N/A
1	63	IM Monitor		Isolator 3690455310	ISOLATOR MODULE 1ST FLR	N/A N/A	N/A N/A	None None	None No	N/A N/A
1	64	IM Monitor		Isolator 3690455365	ISOLATOR MODULE 2ND FLR	N/A N/A	N/A N/A	None None	None No	N/A N/A
1	65	IM Monitor		Isolator 3690447438	ISOLATOR MODULE 2ND FLR	N/A N/A	N/A N/A	None None	None No	N/A N/A
1	66	IM Monitor		Isolator 3690457130	ISOLATOR MODULE	N/A N/A	N/A N/A	None None	None No	N/A N/A

# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

Page: 12

(continued)												
Loop		Address	Model	Device Type	Base Type	Serial Number	Messages	Sensitivity	Verification	Pre Alarm	Follows	Operation
								Alt. Sens.	Alt. Verify	Alt. Pre	Latched	Alt Operation
											Follow CO	
1	48	HRS	Heat ROR	Standard	3804457568	BSMNT HEAT BOILER ROOM	N/A	N/A	N/A	None	None	N/A
							N/A	N/A		None	No	N/A
1	56	HRS	Heat ROR	Standard	3804457599	2ND FL HEAT MECHANICAL ROOM	N/A	N/A	N/A	None	None	N/A
							N/A	N/A		None	No	N/A
1	49	HRS	Heat ROR	Standard	3804457674	1ST FLR HEAT BY LIFT NORTH	N/A	N/A	N/A	None	None	N/A
							N/A	N/A		None	No	N/A
1	50	HRS	Heat ROR	Standard	3804458121	1ST FL HEAT ELECTRIC ROOM	N/A	N/A	N/A	None	None	N/A
							N/A	N/A		None	No	N/A
1	51	HRS	Heat ROR	Standard	3804493733	1ST FL HEAT ELECTRIC ROOM	N/A	N/A	N/A	None	None	N/A
							N/A	N/A		None	No	N/A
1	53	HRS	Heat ROR	Standard	3804457308	2ND FL HEAT ELECT CLST SOUTH	N/A	N/A	N/A	None	None	N/A
							N/A	N/A		None	No	N/A
1	54	HRS	Heat ROR	Standard	3804457872	2ND FL HEAT DATA CLST SOUTH	N/A	N/A	N/A	None	None	N/A
							N/A	N/A		None	No	N/A
1	55	HRS	Heat ROR	Standard	3804455595	2ND FL HEAT JANITOR CLST SOUTH	N/A	N/A	N/A	None	None	N/A
							N/A	N/A		None	No	N/A
1	61	HRS	Heat ROR	Standard	3804457698	3RD FL HEAT DATA ROOM 20	N/A	N/A	N/A	None	None	N/A
							N/A	N/A		None	No	N/A

# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

Page: 11

(continued)											
Detectors											
Loop	Address	Model	Device Type	Base Type	Serial Number	Messages	Sensitivity	Verification	Pre Alarm	Follows	Operation
							Alt. Sens.	Alt. Verify	Alt. Pre	Latched	Alt Operation
										Follow CO	
1	35	PS Smoke		Standard	3927494402	2ND FL SMK SLADE NORTH BY ELEV LBY	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	34	PS Smoke		Standard	3927496369	2ND FL SMK EAST SIDE BY COPY AREA	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	46	PS Smoke		Standard	3927548068	3RD FL SMK SOUTH STAIRWELL	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	45	PS Smoke		Standard	3927424508	3RD FL SMK SLADE EAST EDDY STREET	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	44	PS Smoke		Standard	3927424249	3RD FL SMK HALL BY MECH RM SLADE	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	43	PS Smoke		Standard	3927424089	3RD FL SMK EAST ON EDDY STREET	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	42	PS Smoke		Standard	3927424201	3RD FL SMK EDDY EAST	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	41	PS Smoke		Standard	3927548464	SMK 3RD FL NORTH STAIRWELL	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	47	HRS Heat ROR		Standard	3804454772	BSMNT HEAT NORTH EAST CORNER	N/A N/A	N/A N/A	None None	None No	N/A N/A

# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

(continued)												
Loop	Address	Model	Device Type	Base Type	Serial Number	Messages	Sensitivity	Verification	Pre Alarm	Follows	Operation	
1	30	PS Smoke		Standard	3927495812	2ND FL SMK WORK STATION AREA SOUTH	Normal Normal	N/A N/A	None None	None No	N/A N/A	
1	31	PS Smoke		Standard	3927548488	2ND FL SMK HALL BY ELEVATOR SOUTH GARR	Normal Normal	N/A N/A	None None	None No	N/A N/A	
1	32	PS Smoke		Standard	3927442618	2ND FL SMK HALL BY SOUTH STAIR GARR	Normal Normal	N/A N/A	None None	None No	N/A N/A	
1	33	PS Smoke		Standard	3927495478	2ND FL SMK SOUTH STAIRWELL	Normal Normal	N/A N/A	None None	None No	N/A N/A	
1	40	PS Smoke		Standard	3927547337	3RD FL SMK HALL BY SOUTH STAIR GARR	Normal Normal	N/A N/A	None None	None No	N/A N/A	
1	39	PS Smoke		Standard	3927420036	3RD FL SMK GARR BY SOUTH TELEPHONE RM	Normal Normal	N/A N/A	None None	None No	N/A N/A	
1	38	PS Smoke		Standard	3927424126	3RD FL SMK GARR WEST COFFEE COUNTR	Normal Normal	N/A N/A	None None	None No	N/A N/A	
1	37	PS Smoke		Standard	3927424270	3RD FL SMK WEST SLADE DATA ROOM	Normal Normal	N/A N/A	None None	None No	N/A N/A	
1	36	PS Smoke		Standard	3927424607	3RD FL SMK SLADE ELEVATOR LBY NORTH	Normal Normal	N/A N/A	None None	None No	N/A N/A	

# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

Page: 9

(continued)											
Detectors											
Loop	Address	Model	Device Type	Base Type	Serial Number	Messages	Sensitivity	Verification	Pre Alarm	Follows	Operation
							Alt. Sens.	Alt. Verify	Alt. Pre	Latched	Alt Operation
										Follow CO	
1	21	PS Smoke		Standard 3927419931		2ND FL SMK CORNER WASH / EDDY SLADE	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	22	PS Smoke		Standard 3927495867		2ND FL SMK SLADE BY CONFERENCE ROOM	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	23	PS Smoke		Standard 3927496055		2ND FL SMK EAST SIDE EDDY ST SLADE	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	24	PS Smoke		Standard 3927495546		2ND FL SMK EAST SIDE MECHANICAL ROOM	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	25	PS Smoke		Standard 3927495645		2ND FL SMK NORTH STAIRS	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	26	PS Smoke		Standard 3927424645		2ND FL SMK HALL BY MENS RM SLADE	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	27	PS Smoke		Standard 3927442922		2ND FL SMK SLADE BY WEST DATA ROOM	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	28	PS Smoke		Standard 3927496475		2ND FL SMK HALL BY INTERVIEW RM 14	Normal Normal	N/A N/A	None None	None No	N/A N/A
1	29	PS Smoke		Standard 3927495805		2ND FL SMK BY WEST COFFEE STATION GARR	Normal Normal	N/A N/A	None None	None No	N/A N/A

# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

Page: 8

(continued)												
Loop	Address	Model Device Type	Base Type Serial Number	Messages	Sensitivity Alt. Sens.	Verification		Pre Alarm		Follows		Operation Alt Operation
						Alt. Verify	Alt. Pre	Latched	Follow CO			
1	12	PS Smoke	Standard 3927420104	1ST FL SMK HALL BY NORTH STAIRS	Normal Normal	N/A N/A	None None	None None	None No	N/A N/A	N/A N/A	
1	13	PS Smoke	Standard 3927424638	1ST FL SMK SOUTH STAIR	Normal Normal	N/A N/A	None None	None None	None No	N/A N/A	N/A N/A	
1	14	PS Smoke	Standard 3927548099	1ST FL SMK HALL BY ELECTRIC VAULT	Normal Normal	N/A N/A	None None	None None	None No	N/A N/A	N/A N/A	
1	15	PS Smoke	Standard 3927546279	1ST FL SMK HALL BY STORAGE SOUTH	Normal Normal	N/A N/A	None None	None None	None No	N/A N/A	N/A N/A	
1	16	PS Smoke	Standard 3927424218	1ST FL SMK HALL BY SOUTH ELECT ROOM	Normal Normal	N/A N/A	None None	None None	None No	N/A N/A	N/A N/A	
1	17	PS Smoke	Standard 3927441918	1ST FL SMK HALL BY ELEVATOR SOUTH	Normal Normal	N/A N/A	None None	None None	None No	N/A N/A	N/A N/A	
1	18	PS Smoke	Standard 3927442830	1ST FL SMK BY EDDY STREET FOYER	Normal Normal	N/A N/A	None None	None None	None No	N/A N/A	N/A N/A	
1	19	PS Smoke	Standard 3927496048	2ND FL SMK SLADE NORTH ELEVATOR	Normal Normal	N/A N/A	None None	None None	None No	N/A N/A	N/A N/A	
1	20	PS Smoke	Standard 3927497502	2ND FL SMK HALL BY NORTH STAIR SLADE	Normal Normal	N/A N/A	None None	None None	None No	N/A N/A	N/A N/A	

# SAS Panel Configuration

Project : SLADE\_GARR

Panel : PANEL1

Date : 9/13/2019 7:32:53 AM

## Detectors

(continued)

Loop	Address	Model	Device Type	Base Type	Serial Number	Messages	Sensitivity	Verification	Pre Alarm	Follows	Operation
							Alt. Sens.	Alt. Verify	Alt. Pre	Latched	Alt Operation
										Follow CO	
1	3	PS Smoke		Standard 3927548877	BSMNT SMK STAIRWEL SOUTH	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A
1	4	PS Smoke		Standard 3927494020	BSMNT SMK HALL CENTER	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A
1	5	PS Smoke		Standard 3957688222	BSMNT SMK HALL BY NORTH ELEVATOR	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A
1	6	PS Smoke		Standard 3927495782	BSMNT SMK ELEV MACHINE RM NORTH	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A
1	7	PS Smoke		Standard 3927494242	BSMNT SMK NORTH STAIRWELL	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A
1	8	PS Smoke		Standard 3927442854	BSMNT SMK HALL BY NORTH STAIR	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A
1	9	PS Smoke		Standard 3927442700	1ST FL SMK REAR HALL BY FOUNTAIN	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A
1	10	PS Smoke		Standard 3927441987	1ST FL SMK ELEVATOR LOBBY NORTH SLADE	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A
1	11	PS Smoke		Standard 3927495430	1ST FL SMK REAR HALL BY EDDY STREET	Normal Normal	N/A N/A	None None	None No	N/A N/A	N/A N/A