

Date: **February 5<sup>th</sup> 2015**

**SUBJECT:** Request for Quotations (RFQ) Upgrading the Gaborone West fire alarm & notification system

Dear Prospective Quoter:

The Embassy of the United States of America in Gaborone, Botswana has a requirement for a contractor to upgrade the G-West fire alarm & notification system at **CDC Gaborone west Plot 14818**. The Embassy Plans to award a purchase order. You are encouraged to make your quotation competitive. You are also cautioned against any collusion with other potential offerors with regard to price quotations to be submitted. The RFQ does not commit the American Embassy to make any award. The Embassy may cancel this RFQ or any part of it. Please read the below RFQ carefully, and if you are interested, submit your quotation.

Your quotation must be hand delivered or emailed to the below e-mail address on or before **February 26, 2015**.

**A mandatory site visit is scheduled for February 13<sup>th</sup> 2015 at 10: AM. This will be at the CDC Botswana office located at Plot 14818 Gaborone West.**

Direct any questions regarding this request for quotations to the Embassy Contracting Office telephone #: 3732292-; Fax: 395-3951 or email: [gabprocurement@state.gov](mailto:gabprocurement@state.gov) during regular business hours.



**Statement of Work (SOW)**  
**Fire Alarm and Mass Notification Upgrade**  
**Gaborone West, Plot 14818**  
**Centers for Disease Control and Prevention**

**I. GENERAL**

The existing fire alarm and detection system at Gaborone West is recent (2010) but is only partially operational. During a recent site evaluation, in June 2014, it was observed that the smoke detectors served as only a detective device and did not sound in the event of a fire. During the site evaluation, the existing SelecTone System was tested in both Block A and Block B. The Select Tone or Duo Net notification system does not work.

**III. STATEMENT OF WORK (SOW)**

The Contractor shall provide all scheduling, work labor, materials and workmanship to update the fire alarm, detection and mass notification systems in Blocks A, B and C of the CDC Botswana G-West facilities as described below:

- a. **Detection:** The existing fire alarm and detection system at Gaborone West is recent (2010) but and is only partially working. During a recent site evaluation, in June 2014, it was observed that the smoke detectors served as only a detective device and did not sound in the event of a fire. The existing fire alarm panels are located in the Block A Personal Access Control (PAC), the Block B PAC, the outdoor corridor of Block C, and inside the Guard House.

The Contractor shall remove all existing detectors replacing each with a detector/strobe/alarm device type. All existing manual fire alarm pull stations shall be removed and replaced with new manual fire alarm pull stations by the same manufacturer as the new detector/strobe/alarm devices. The existing networked fire alarm panels shall remain. Because voltage drop may be an issue for the new detector/strobe/alarm devices, the Contractor shall connect all new devices in the loops that are defined on sheet E005 (Appendix 1) and shall perform voltage drop calculations and battery calculations for the new systems configurations.

- b. **Mass Notification:** During the site evaluation, the existing SelecTone System was tested in both Block A and Block B. The Select Tone or Duo Net notification system did not work.

The Contractor shall remove all SelecTone devices and all associated equipment. A new mass notification panel with microphones shall be installed in the assistant director's office (Room 115) in Block A, the PAC in Block A, the PAC in Block B, in the conference room in Block C, and in the Guard House. The mass notification panels in the PAC of Block B shall be installed next to the fire alarm. The system shall be able to

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communicate by way of an antenna connection back to the US Embassy. Public Address (PA) speakers shall be installed in all buildings on the Gaborone West Compound as shown on sheets E001-E004 (Appendix 1). The new system shall provide the ability to communicate fire emergencies, as well as issue recorded warnings, important announcements and instructions. All new mass notification panels shall be networked.

- c. **Commissioning and Training:** The Contractor shall ensure through testing (in accordance with the Manufacturer's guidance and NFPA 72) that all systems are functioning properly prior to system turn over/acceptance to/by the user. Further, the Contractor shall ensure that training (in accordance with the Manufacturer's guidance and NFPA 101) is provided to the Contracting Officer's Representative (COR) and CDC Botswana designated facility manager/maintenance personnel prior to turn over/acceptance.
- d. **Period of Performance:** The Contractor shall complete the work NLT 90 days after contract award.

### III. CONTRACTOR QUALIFICATIONS

The Contractor and/or his lead installer must be an authorized representative/service provider/installer of the manufacturer of Fike/Duonet Fire Detection Systems, specifically panels from V2.00 and greater. A minimum of five (5) years' experience with fire alarm and mass notification systems is required. The CDC installed systems are Fike/Duonet and the Contractor shall be certified by the manufacturer as an authorized technical servicing representative and shall be experienced with the inspection, testing, maintenance, repair and upgrading of Fike /Duonet Fire Detection Systems and Alarms.

### IV. GUIDANCE & DELIVERABLES

- a. **Standards and Codes:** This compound is occupied by United States Government (USG) personnel. As such, the Contractor shall abide by all local laws, codes, standards and regulations applicable in Gaborone, Botswana at the time the project is awarded. All upgrades shall meet the requirements of the following:
    - 1. International Building Code (IBC) 2012 Edition
    - 2. National Electric Code (NEC) 2011 Edition
    - 3. Uniform Federal Accessibility Standards, Americans with Disability Act (ADA) 42 USC 4151 Title III, 2010 Standards for Accessible Design
    - 4. United States National Fire Protection Association, NFPA 101, Life Safety Code, 2012 Edition
    - 5. United States National Fire Protection Association, NFPA 2001, Standard on Clean Agent Fire Extinguishing Systems, 2012 Edition.
    - 6. NFPA 72 2010
    - 7. United States Department of State, Overseas Buildings Operations, Standard Specifications, Divisions 26-28, January 2012 Edition
  - b. **Language & Dimensioning:** All documents shall be developed to clearly communicate information in English. Further, any calculations, dimensions, and/or measurements
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contained within the documents shall be produced and delivered using Inch-Pound Units (IP) and the International System of Units (SI). The contractor shall deliver 3 hard copies of all as-built drawings in AutoCAD and schematics, operations and maintenance manuals and one electronic set of each on compact disk.

- c. **Scheduling:** The Contractor shall submit a proposed implementation schedule minimizing disruptions to the work force in the buildings to the greatest extent possible. CDC Botswana work hours are from 0730 – 1700 daily Monday – Thursday and 0730 - 1330 on Fridays. The contractor is encouraged to work Friday afternoons, and weekends, when necessary to minimize work disruption.
- e. **Submittals:** The Contractor shall provide submittals of all proposed materials and equipment to the CDC Botswana, Contracting Officer's Representative, for review and approval, prior to procurement and installation. All materials and equipment shall meet the requirements outlined in the Scope of Work, and Drawings (**Appendix 1**).
- f. **Commissioning and Training:** The Contractor shall ensure through testing (in accordance with the Manufacturer's guidance and NFPA 72) that all systems are functioning properly prior to system turn over/acceptance to/by the user. Further, the Contractor shall ensure that training (in accordance with the Manufacturer's guidance and NFPA 101) is provided to the Contracting Officer's Representative (COR) and CDC Botswana designated facility manager/maintenance personnel prior to turn over/acceptance.

**V. Arrange a Site Visit:** The contractor shall contact Mr. Kitso Selotate, CDC Facilities Supervisor, to arrange access. [ycg4@cdc.gov](mailto:ycg4@cdc.gov), +26771337871.

Appendix 1 Attached (Drawing Set – 5 Pages).

-----END STATEMENT OF WORK-----

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**APPENDIX 1**

DRAWING

NUMBER DRAWING NAME

E001 Electrical Block A Ground Floor Fire Alarm and Mass  
Notification Plan

E002 Electrical Block B Ground Floor Fire Alarm and Mass  
Notification Plan

E003 Electrical Block B First Floor Fire Alarm and Mass Notification  
Plan

E004 Electrical Block C Ground Floor Fire Alarm and Mass  
Notification Plan

**E005 Fire Alarm Riser Diagram**



DRAWING  
NUMBER

DRAWING NAME

E001	Electrical Block A Ground Floor Fire Alarm and Mass Notification Plan
E002	Electrical Block B Ground Floor Fire Alarm and Mass Notification Plan
E003	Electrical Block B First Floor Fire Alarm and Mass Notification Plan
E004	Electrical Block C Ground Floor Fire Alarm and Mass Notification Plan
E005	Fire Alarm Riser Diagram

- GENERAL NOTES**
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODES AND STANDARDS.
  2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFAC).
  3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFAC).
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- NOTED BY THE CONTRACTOR**
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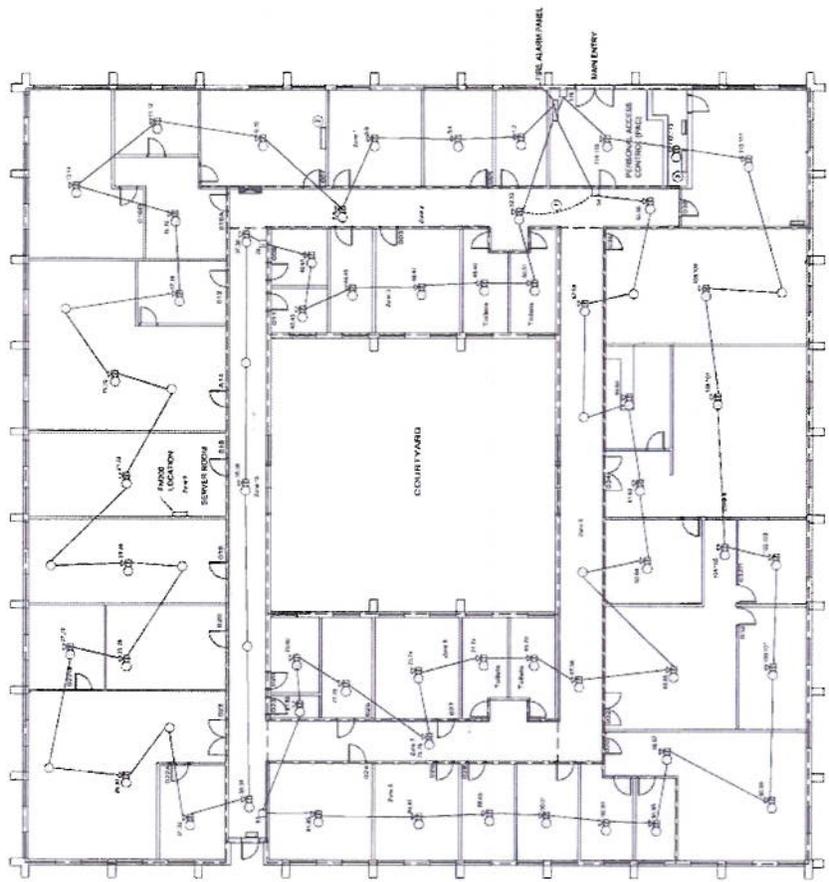
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10	ISSUED FOR CONSTRUCTION	11/07/14



**JACOBS**  
 FIRE ALARM AND MASS NOTIFICATION  
 UPGRADE  
 GARDNER WEST, PLOT 1487B  
 CENTERS FOR DISEASE CONTROL AND  
 PREVENTION

CONTRACTOR  
 ELECTRICAL  
 BLOCK A GROUND FLOOR FIRE ALARM  
 AND MASS NOTIFICATION PLAN

DATE	11 JUL 2014
BY	XXXXXXXX
SCALE	AS SHOWN
PROJECT NO.	XXXXXX
REV.	XXXXXX



BLOCK A GROUND FLOOR FIRE ALARM AND MASS NOTIFICATION PLAN

**GENERAL NOTES**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AUTHORITIES.
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**KEY PLAN**

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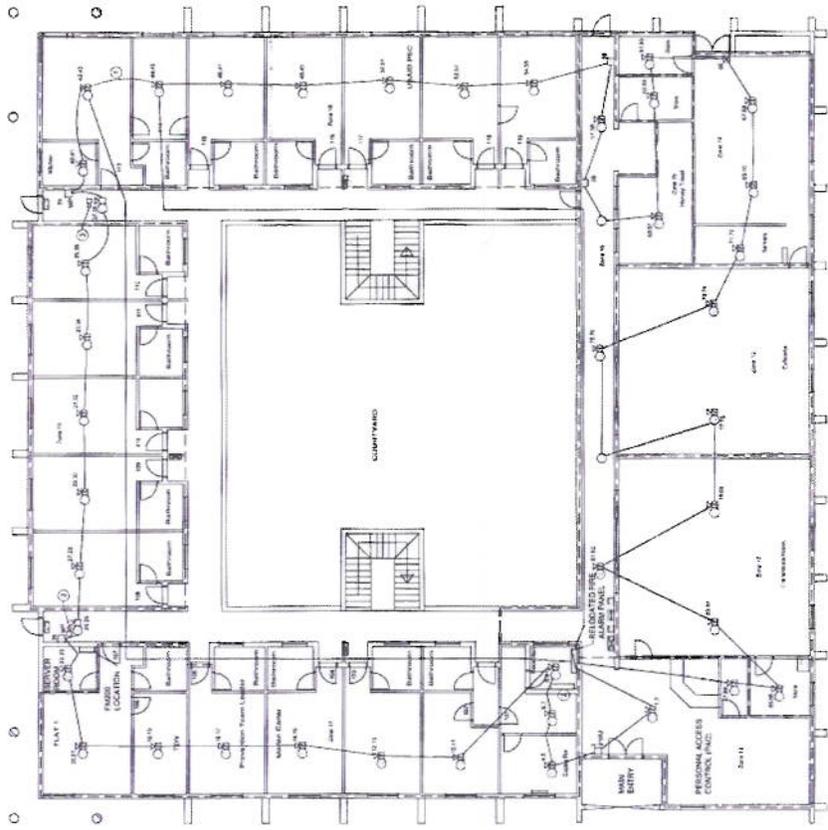
**JOB TITLE**  
FIRE ALARM AND MASS NOTIFICATION UPGRADE  
**CARDPHONE WEST, PLOT 14818**  
CENTERS FOR DISEASE CONTROL AND PREVENTION

**DESIGNED BY**  
ELECTRICAL  
BLOCK B GROUND FLOOR FIRE ALARM AND MASS NOTIFICATION PLAN

**CONTRACTOR**

**SCALE**  
DATE: 11 MAY 2014  
**CHECKED**

**DATE PLOTTED**  
E002



01 BLOCK B GROUND FLOOR FIRE ALARM AND MASS NOTIFICATION PLAN

- GENERAL NOTES**
1. REFER TO ALL NOTES FOR DETAILS OF WORK.
  2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM CODE (NFPA).
  3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL FIRE ALARM CODE (NFPA).
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**REVISIONS**

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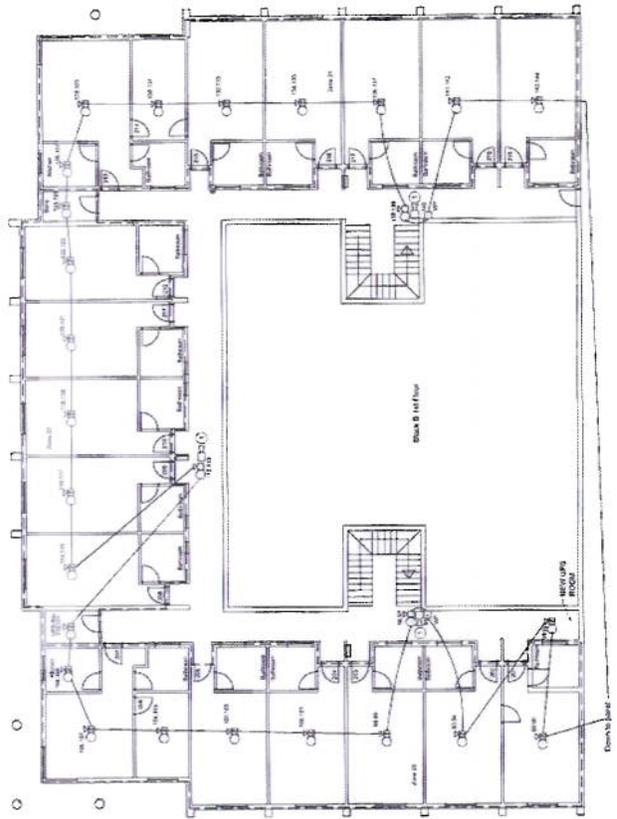
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01 BLOCK B FIRST FLOOR FIRE ALARM AND MASS NOTIFICATION PLAN

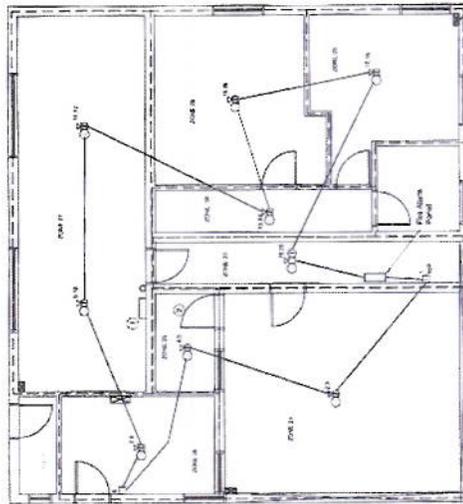
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**REVISIONS**

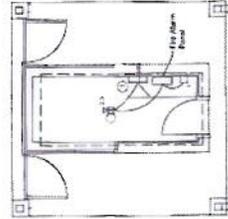
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**JACOBS**

ARCHITECT



BLOCK C GROUND FLOOR FIRE ALARM AND MASS NOTIFICATION PLAN



GARBORE WEST 1 PLOT 14816 FIRE ALARM AND MASS NOTIFICATION PLAN



**DRAWING**      **DRAWING NAME**  
**NUMBER**

- E001      Extension 12 Fire Alarm and Mass Notification Plan
- E002      Fire Alarm Riser Diagram Extension 12



SEVEN NOTES - C.C.

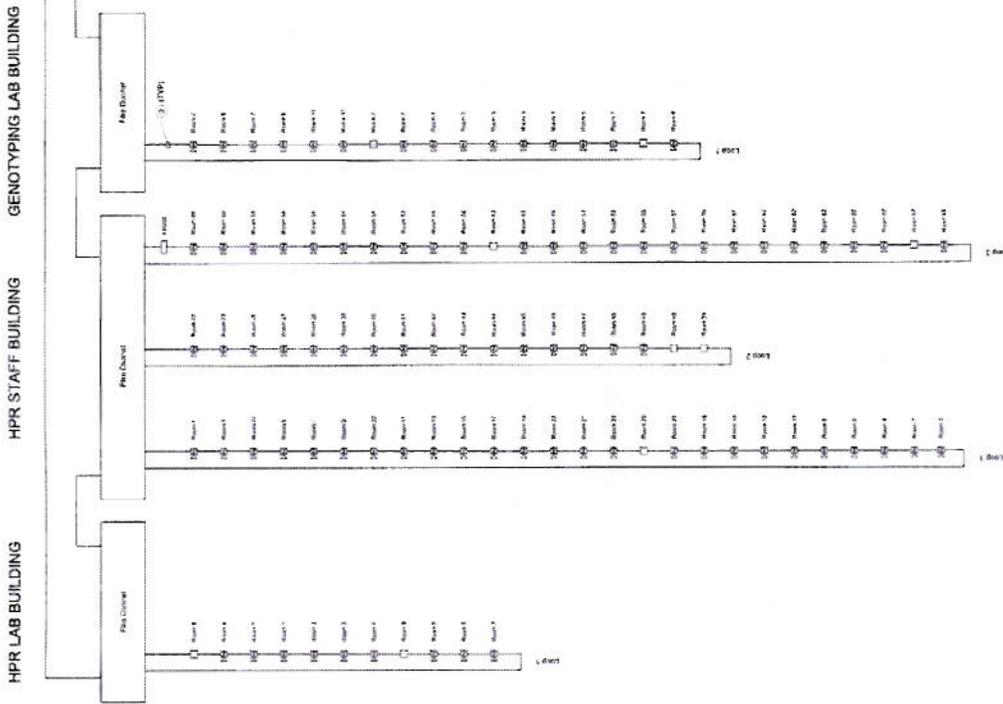
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720, 721, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

**FIRE ALARM AND MASS NOTIFICATION SYSTEM GENERAL NOTES**

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720, 721, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.
2. THE SYSTEM SHALL BE DESIGNED TO PROVIDE ADEQUATE WARNING TO ALL OCCUPANTS OF THE BUILDING.
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**RAISONS FIRE SUPPRESSION SYSTEM GENERAL NOTES**

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NO.	REVISION	DESCRIPTION	DATE
1			11/07/14



JOB TITLE: FIRE ALARM AND MASS NOTIFICATION UPGRADE  
 GABORONE EXTENSION 12  
 CENTERS FOR DISEASE CONTROL AND PREVENTION

DESIGNED BY: ELECTRICAL  
 FIRE ALARM AND MASS NOTIFICATION RISER DIAGRAMS

CONTRACTOR:

SCALE:	DATE: 11 JULY 2014
DRAWN:	CHECKED:
EXAMINED:	DATE:
PROJECT NO.:	REV.:

