

FIRE ALARM SYSTEM NOTES

- REFER TO GENERAL NOTES, GENERAL DEMOLITION NOTES, SYMBOLS, ABBREVIATIONS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE ELECTRICAL, FIRE AND BUILDING CODES.
- PERFORM A COMPLETE FIRE ALARM SYSTEM TEST PRIOR TO FIRE DEPARTMENT INSPECTION.
- CONTRACTOR TO OBTAIN AND FILE "APPLICATION FOR ELECTRICAL/FIRE ALARM INSPECTION" WITH THE FIRE DEPARTMENT.
- CONTRACTOR TO ACCOMPANY THE FIRE DEPARTMENT INSPECTOR DURING HIS INSPECTION OF THE SYSTEM, MAKE ALL ADJUSTMENTS REQUIRED BY THE INSPECTOR AND RE-FILE FOR ADDITIONAL INSPECTIONS UNTIL A NON-CONDITIONAL APPROVAL IS RECEIVED FROM THE FIRE DEPARTMENT. ONCE THE APPROVAL IS OBTAINED, FORWARD A COPY TO THE OWNER AND THE ENGINEER.
- CONTRACTOR TO PROVIDE ALL REQUIRED FIRE ALARM PANEL UPGRADES, FIRMWARE, COMPONENTS, PROGRAMMING, ZONE EXTENDERS, MODULES, WIRING, CONDUIT, OVERCURRENT PROTECTION, RELAYS, BACKBOXES, LOOP CARDS, POWER SUPPLIES, STROBE PANELS AND OTHER REQUIRED DEVICES TO ACCOMMODATE THE NEW INITIATING AND NOTIFICATION DEVICES IN THIS CONTRACT. VERIFY AND COORDINATE WITH BUILDING FIRE ALARM MAINTENANCE VENDOR.
- ALL FIRE ALARM DEVICES TO BE INSTALLED UNDER THIS CONTRACT SHALL BE COMPATIBLE AND CONSISTENT WITH THE EXISTING FIRE ALARM PANEL. VERIFY AND COORDINATE WITH SYSTEM MANUFACTURER AND/OR SYSTEM VENDOR FOR TYPE OF FIRE ALARM DEVICES TO BE USED.
- PULL AND TERMINATE ALL CONDUCTORS. INSTALL ALL FIELD DEVICES AND EQUIPMENT BACK BOXES. ALL INITIATING DEVICES (SMOKE DETECTORS, MANUAL PULLS, ETC.) AND NOTIFICATION APPLIANCES (HORNS, BELLS, SPEAKERS, STROBES, ETC.) MUST BE INSTALLED WITH BACK BOXES. THE EQUIPMENT SHALL NOT BE SUPPORTED BY THEIR WIRING. ALL FIRE ALARM BACK BOXES, CONDUIT COVERS, TRANSFORMERS, FUSED DISCONNECTS AND EQUIPMENT ENCLOSURES SHALL BE PAINTED FIRE DEPARTMENT RED.
- ALL CONDUCTORS MUST TEST FREE OF GROUNDS. CHECK SYSTEM WIRING FOR SHORTS, OPEN, AND GROUND FAULTS AND CORRECT DEFICIENCIES FOUND PRIOR TO THE ARRIVAL OF THE FIRE DEPARTMENT. DO NOT CONNECT POWER UNTIL THE SYSTEM HAS BEEN CHECKED.
- REMOVE ALL FIRE ALARM SYSTEM WORK (DEVICES ETC.) SUPERSEDED BY NEW WORK. EXISTING FIRE ALARM SYSTEM CIRCUIT CONTINUITY SHALL BE MAINTAINED AT ALL TIMES. AS REQUIRED, PROVIDE ALL NECESSARY WORK TO MAINTAIN FIRE ALARM SYSTEM CIRCUIT CONTINUITY IN ACCORDANCE WITH CODE REQUIREMENTS.
- ALL CONDUITS AND CONTROL PANELS SHALL BE GROUNDED TO THE BUILDING GROUNDING SYSTEM WITH A MINIMUM #10 INSULATED CONDUCTOR. FOR THE MAIN FIRE ALARM PANEL, GROUNDING ELECTRODE CONDUCTORS BONDED TO THE NEUTRALS OF FUSED CUTOUTS SHALL BE #8AWG-3/4"C. AND SHALL BE CONNECTED AHEAD OF THE WATER MAIN.
- UNLESS OTHERWISE NOTED INTERCONNECT SPRINKLER/SUPPRESSION ALARM SYSTEMS FOR ALARM, TROUBLE AND SUPERVISORY STATUS. PROVIDE WIRE, CONDUIT AND MONITOR MODULES AS REQUIRED.
- FREE AIR CONDUCTORS SHALL BE ACCEPTABLE WHERE PERMITTED BY CODE. PROVIDE CONDUIT WHERE REQUIRED BY CODE.
- PROVIDE ALL LOAD RELAYS AND ADDRESSABLE RELAYS AS REQUIRED FOR ELEVATOR RECALL, ALTERNATE FLOOR RECALL, SMOKE CONTROL/PURGE AND FAN SHUTDOWN.
- EACH AUDIBLE/VISUAL FIRE ALARM CIRCUIT SHALL CONTAIN AT LEAST 20% SPARE CAPACITY.
- PROVIDE MINIMUM OF TWO DEDICATED AUDIBLE AND STROBE CIRCUITS PER FLOOR. WIRING FOR AUDIBLE AND VISUAL ALARM NOTIFICATION DEVICES SHALL BE ARRANGED SO THAT A LOSS OF A PORTION OF THE WIRING ON A FLOOR WILL NOT RENDER MORE THAN 60% OF THE DEVICES INOPERATIVE.
- ALL STROBES SHALL BE SYNCHRONIZED. PROVIDE ALL NECESSARY SYNC MODELS AND/OR REPLACE EXISTING STROBE PANELS AND STROBES AS REQUIRED.
- PROVIDE RACEWAY AND REQUIRED WIRE IN ACCORDANCE WITH CODE REQUIREMENTS. MINIMUM SIZE RACEWAY SHALL BE 3/4"C, U.O.N.
- FOR ALL HEAT, SMOKE AND DUCT SMOKE DETECTORS LOCATED ABOVE CONCEALED CEILINGS OR OTHER LOCATIONS OUT OF VIEW, PROVIDE A REMOTE INDICATING MODULE.
- FIRE SMOKE DAMPERS SHALL BE CIRCUITED IN GROUPS OF (10) TEN AND CONTROLLED/MONITORED BY THE FIRE ALARM SYSTEM IN GROUPS OF (10) TEN. PROVIDE (1) ONE CONTROL/MONITOR MODULE FOR EACH GROUP OF (10) TEN. REFER TO MECHANICAL DRAWINGS FOR EXACT QUANTITIES AND LOCATIONS OF FIRE SMOKE DAMPERS.
- EXISTING FIRE ALARM SYSTEM SHALL REMAIN IN OPERATION AT ALL TIMES. ALL FIRE ALARM SYSTEM SHUTDOWNS SHALL BE COORDINATED WITH THE BUILDING MANAGEMENT IN ADVANCE TO ALLOW FOR ADEQUATE TIME FOR ANY TEMPORARY FIRE WATCHES TO BE SCHEDULED. PROVIDE A FIRE WATCH WHEN THE EXISTING FIRE ALARM IS DISABLED.
- SYSTEM DEVICES ARE SHOWN AT THEIR APPROXIMATE LOCATIONS. FINAL LOCATION MAY VARY DUE TO FIELD CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- COVER OF BOXES AND CABINETS PROVIDED UNDER THIS CONTRACT SHALL BE PAINTED IN RED AND IDENTIFIED FOR THEIR USE. LABELS SHALL USE MINIMUM 1/4" HIGH LETTERS. RACEWAYS SHALL NOT PENETRATE THE TOP OF ANY EQUIPMENT BOX OR CABINET.
- DO NOT REMOVE THE RED DUST COVERS FROM THE SMOKE DETECTORS BEFORE ALL CONSTRUCTION HAS BEEN COMPLETED.
- VISUAL FIRE ALARMS (STROBES) SHALL BE A MINIMUM OF 75 CANDELA.
- ALL WALL MOUNTED STROBE UNITS SHALL BE MOUNTED AT 80" ABOVE THE HIGHEST FLOOR LEVEL WITHIN THE SPACE OR 6" BELOW THE CEILING, WHICHEVER IS LOWER.
- CONTRACT SHALL INCLUDE THE SERVICES OF AN AUTHORIZED FACTORY TRAINED TECHNICIAN AS REQUIRED TO PROVIDE TECHNICAL ADVICE, REVIEW PANEL WIRING, PROGRAM CONTROLS, ASSIST WITH THE SYSTEM TESTING AND PROVIDE TRAINING SESSION FOR OWNER'S REPRESENTATIVES.
- FIRE ALARM SYSTEM WIRING IS SHOWN AS AN ESTIMATE ONLY. ELECTRICAL CONTRACTOR SHALL HAVE THE FIRE ALARM VENDOR CALCULATE AND PROVIDE THE REQUIRED NUMBER OF POWER SUPPLIES. ELECTRICAL CONTRACTOR TO PROVIDE APPROPRIATE AMOUNT OF INITIATION AND NOTIFICATION CIRCUITS.
- THE RISER DIAGRAM ON THIS DRAWING IS FOR DESIGN PURPOSE ONLY. THE FIRE ALARM CONTRACTOR SHALL PROVIDE A COMPLETE AS-BUILT RISER DIAGRAM WITH ACTUAL FIELD WIRING. POST AS-BUILT RISER IN A FRAMED GLASS AT THE MAIN FIRE ALARM PANEL LOCATION. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS TO THE OWNER, ENGINEER AND FIRE DEPARTMENT FOR APPROVAL. AS-BUILT FLOOR PLANS AND RISER DIAGRAMS SHALL CONTAIN ALL DEVICES INDICATING ROOM NAME/ROOM NUMBER, WIRE SIZES, PROGRAMMED ADDRESS NUMBER, SYMBOL LIST, DESCRIPTION, LOCATION OF END-OF-LINE RESISTORS, ETC.
- THE OWNER'S FIRE ALARM SYSTEM CONTRACTOR, ACTING AS SUB-CONTRACTOR TO THIS CONTRACTOR, SHALL, SUPPLY, INSTALL, PROGRAM, CONNECT, MODIFY, TEST, FILE WITH AND, OBTAIN APPROVAL FROM LOCAL AUTHORITIES FOR ALL FIRE ALARM SYSTEM WORK.

THE FIRE ALARM MAINTENANCE VENDOR:

COMPANY: FIRE MAXX SYSTEMS CORP.
PHONE NUMBER: (212) 645-7414
CONTACT PERSON: GUY MONTANTE

FIRE ALARM SUBMITTAL NOTES

- PROVIDE LIST OF ALL TYPES OF EQUIPMENT AND COMPONENTS PROVIDED. THIS SHALL BE INCORPORATED AS PART OF A TABLE OF CONTENTS, WHICH WILL ALSO INDICATE THE MANUFACTURER'S PART NUMBER, THE DESCRIPTION OF THE PART, AND THE PART NUMBER OF THE MANUFACTURER'S PRODUCT DATASHEET ON WHICH THE INFORMATION CAN BE FOUND.
- PROVIDE DESCRIPTION OF OPERATION OF THE SYSTEM (SEQUENCE OF OPERATION), SIMILAR TO THAT PROVIDED ON DRAWINGS OF THE SPECIFICATIONS, TO INCLUDE ANY AND ALL EXCEPTIONS, VARIANCES OR SUBSTITUTIONS LISTED AT THE TIME OF BID. ANY SUCH EXCEPTIONS, VARIANCES OR SUBSTITUTIONS WHICH WERE NOT LISTED AT THE TIME OF BID AND ARE IDENTIFIED IN THE SUBMITTAL, SHALL BE GROUNDS FOR IMMEDIATE DISAPPROVAL WITHOUT COMMENT. THE SEQUENCE OF OPERATION SHALL BE PROJECT SPECIFIC, AND SHALL PROVIDE INDIVIDUAL SEQUENCES FOR EVERY TYPE OF ALARM, SUPERVISORY, OR TROUBLE CONDITION WHICH MAY OCCUR AS PART OF NORMAL OR OFF-NORMAL SYSTEM USE.
- PROVIDE MANUFACTURER'S ORIGINAL PRINTED PRODUCT DATA, CATALOG CUTS AND DESCRIPTION OF ANY SPECIAL INSTALLATION PROCEDURES. PHOTOCOPIED AND/OR ILLEGIBLE PRODUCT DATA SHEETS SHALL NOT BE ACCEPTABLE. ALL PRODUCT DATASHEETS SHALL BE HIGHLIGHTED OR STAMPED WITH ARROWS TO INDICATE THE SPECIFIC COMPONENTS BEING SUBMITTED FOR APPROVAL.
- PROVIDE MANUFACTURER'S INSTALLATION INSTRUCTION MANUAL FOR SPECIFIED SYSTEM.
- PROVIDE SAMPLES OF VARIOUS ITEMS WHEN REQUESTED.
- PROVIDE COPY OF NYS LICENSE TO PERFORM SUCH WORK.
- PROVIDE COPIES OF NICET LEVEL II FIRE ALARM CERTIFICATIONS FOR THE TWO (2) TECHNICIANS ASSIGNED TO THIS PROJECT.
- PROVIDE SHOP DRAWINGS AS FOLLOWS:
 - COVERSHEET WITH PROJECT NAME, ADDRESS AND DRAWING INDEX.
 - GENERAL NOTES DRAWING WITH PERIPHERAL DEVICE BACKBOX SIZE INFORMATION, PART NUMBERS, DEVICE MOUNTING HEIGHT INFORMATION, AND THE NAMES, ADDRESSES, POINT OF CONTACT, AND TELEPHONE NUMBERS OF ALL CONTRACT PROJECT TEAM MEMBERS.
 - DEVICE RISER DIAGRAM WHICH INDIVIDUALLY DEPICTS ALL CONTROL PANELS, ANNUNCIATORS, ADDRESSABLE DEVICES, AND NOTIFICATION APPLIANCES. SHALL INCLUDE A SPECIFIC, PROPOSED POINT DESCRIPTOR ABOVE EACH ADDRESSABLE DEVICE. SHALL INCLUDE A SPECIFIC, DISCRETE, POINT ADDRESS WHICH SHALL CORRESPOND TO ADDRESSES DEPICTED ON THE DEVICE LAYOUT FLOOR PLANS. DRAWING SHALL PROVIDE WIRE SPECIFICATIONS, AND WIRE TAGS SHOWN ON ALL CONDUCTORS DEPICTED ON THE RISER DIAGRAM. ALL CIRCUITS SHALL HAVE DESIGNATIONS THAT SHALL CORRESPOND WITH THOSE REQUIRE ON THE CONTROL PANEL AND FLOOR PLAN DRAWINGS. END-OF-LINE RESISTORS (AND VALUES) SHALL BE DEPICTED.
 - CONTROL PANEL TERMINATION DRAWING(S). SHALL DEPICT INTERNAL COMPONENT PLACEMENT AND ALL INTERNAL AND FIELD TERMINATION POINTS. DRAWING SHALL PROVIDE A DETAIL INDICATING WHERE CONDUIT PENETRATIONS SHALL BE MADE, SO AS TO AVOID CONFLICTS WITH INTERNALLY MOUNTED BATTERIES. FOR EACH ADDITIONAL DATA GATHERING PANEL, A SEPARATE CONTROL PANEL DRAWING SHALL BE PROVIDED, WHICH CLEARLY INDICATED THE DESIGNATION, SERVICE AND LOCATION OF THE CONTROL ENCLOSURE. END-OF-LINE RESISTORS (AND VALUES) SHALL BE DEPICTED.
 - PROVIDE DOCUMENTATION AND TRAINING FOR BUILDING PERSONNEL.
 - DEVICE TYPICAL WIRING DIAGRAM DRAWING(S) SHALL BE PROVIDED WHICH DEPICT ALL SYSTEM COMPONENTS, AND THEIR RESPECTIVE FIELD WIRING TERMINATION POINTS. WIRE TYPE, GAUGE, AND JACKET SHALL ALSO BE INDICATED. WHEN AN ADDRESSABLE MODULE IS USED IN MULTIPLE CONFIGURATIONS FOR MONITORING OR CONTROLLING VARIOUS TYPES OF EQUIPMENT, DIFFERENT DEVICE TYPICAL DIAGRAMS SHALL BE PROVIDED. END-OF-LINE RESISTORS (AND VALUES) SHALL BE DEPICTED.
 - DEVICE LAYOUT FLOOR PLANS SHALL BE CREATED FOR EVERY AREA SERVED BY THE FIRE ALARM SYSTEM. FLOOR PLANS SHALL INDICATE ACCURATE LOCATIONS FOR ALL CONTROL AND PERIPHERAL DEVICES. DRAWINGS SHALL BE NO LESS THAN 1/8" INCH SCALE. ALL ADDRESSABLE DEVICES SHALL BE DEPICTED WITH A DISCRETE ADDRESS WHICH CORRESPONDS WITH THAT INDICATED ON THE RISER DIAGRAM. ALL NOTIFICATION APPLIANCES SHALL ALSO BE PROVIDED WITH A CIRCUIT ADDRESS WHICH CORRESPONDS TO THAT DEPICTED ON THE RISER DIAGRAM. IF INDIVIDUAL FLOORS NEED TO BE SEGMENTED TO ACCOMMODATE THE 1/8" SCALE REQUIREMENTS, KEY PLANS AND BREAK-LINES SHALL BE PROVIDED ON THE PLANS IN AN ORDERLY AND PROFESSIONAL MANNER. END-OF-LINE RESISTORS (AND VALUES) SHALL BE DEPICTED.
- BATTERY CALCULATIONS SHALL BE PROVIDED ON A PER POWER SUPPLY/CHARGER BASIS BASED ON CODE REQUIREMENTS. THESE CALCULATIONS SHALL CLEARLY INDICATE THE QUANTITY OF DEVICES, THE DEVICE PART NUMBERS, THE SUPERVISORY CURRENT DRAW, THE ALARM CURRENT DRAW, TOTALS FOR ALL CATEGORIES, AND THE CALCULATED BATTERY REQUIREMENTS. BATTERY CALCULATIONS SHALL ALSO REFLECT ALL CONTROL PANEL COMPONENT, REMOTE ANNUNCIATOR, AND AUXILIARY RELAY CURRENT DRAWS. FAILURE TO PROVIDE THESE CALCULATIONS SHALL BE GROUNDS FOR THE COMPLETE REJECTION OF THE SUBMITTAL PACKAGE.
- TABLE OF CONTENTS, PRODUCT DATA SHEETS, SEQUENCES OF OPERATION, BATTERY CALCULATIONS, INSTALLATION INSTRUCTIONS, LICENSES, NICET CERTIFICATIONS AND B-SIZE (BLACKLINE) REDUCED SHOP DRAWINGS SHALL BE PROVIDED BY THE FIRE ALARM VENDOR AS PART OF A SINGLE, SPIRAL BOUND SUBMITTAL BOOK. THE SUBMITTAL BOOK SHALL HAVE LAMINATED COVERS INDICATING THE PROJECT ADDRESS, SED NUMBER, SYSTEM TYPE, AND CONTRACTOR. THE BOOK SHALL CONSIST OF LABELED DIVIDERS, AND SHALL NOT EXCEED 9 1/2" IN WIDTH, AND 11 1/2" IN HEIGHT. NO LESS THAN THREE (3) SETS OF SUBMITTAL BOOKLETS SHALL BE PROVIDED TO THE CONSULTING ENGINEER FOR REVIEW AND COMMENT. ADDITIONAL COPIES MAY BE REQUIRED AT NO ADDITIONAL COST TO THE PROJECT.
- SCALE DRAWING SETS SHALL BE SUBMITTED ALONG WITH THE SUBMITTAL BOOKLETS. THESE DRAWINGS MAY BE EITHER D-SIZE OR E-SIZE BLUELINE DRAWINGS AND OF A SUFFICIENT RESOLUTION TO BE COMPLETELY READ. SETS SHALL BE BOUND AND FOLDED SO AS TO NOT TAKE UP MORE THAN 100 SQUARE INCHES OF SPACE. NO LESS THAN THREE (3) SETS OF SCALE DRAWING SETS SHALL BE PROVIDED TO THE CONSULTING ENGINEER FOR REVIEW AND COMMENT. ADDITIONAL COPIES MAY BE REQUIRED AT NO ADDITIONAL COST TO THE PROJECT.
- UPON COMPLETION OF THE PROJECT CONTRACTOR TO PROVIDE AS-BUILT FLOOR PLANS AND RISER DIAGRAM DRAWINGS. SUBMIT COPIES TO THE OWNER, ENGINEER AND FIRE DEPARTMENT. CONTRACTOR SHALL ALSO SUBMIT TO THE OWNER, TWO COPIES OF THE AS-BUILT FIRE ALARM PROGRAM ON CD'S.

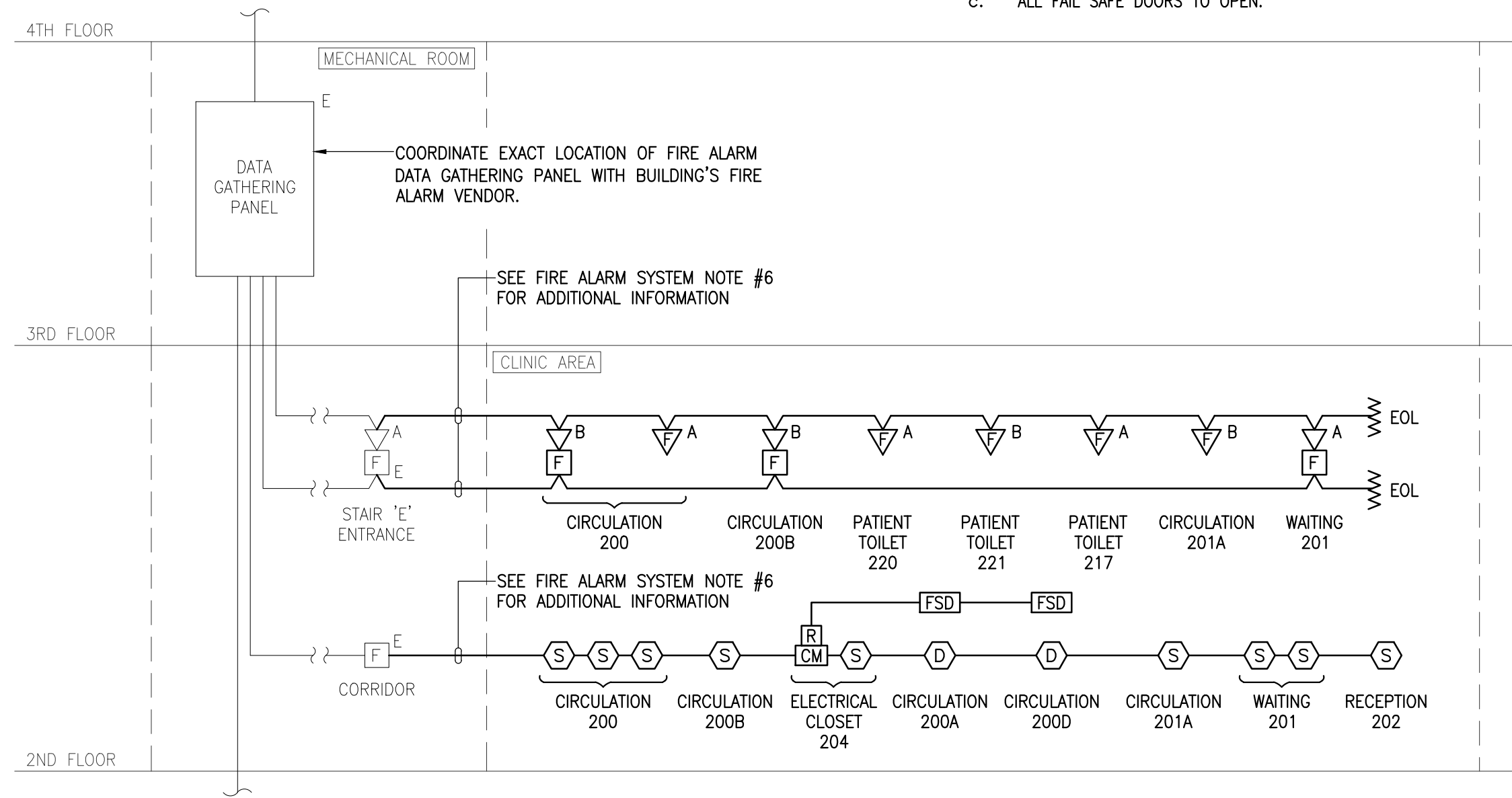
ENERGY COMPLIANCE NOTES

- INSTALLATION SHALL COMPLY WITH THE 2008 NYC CONSTRUCTION CODES.
- ELECTRICAL WORK SHALL COMPLY WITH RONY 4000-06.
- EQUIPMENT/DEVICES USED ARE BY APPROVED MANUFACTURERS AND ARE LISTED FOR THEIR USE.

SEQUENCE OF OPERATION

H. CLASS H FIRE ALARM SYSTEM

- OPERATION OF ANY MANUAL FIRE ALARM STATION SHALL:
 - AUTOMATICALLY SOUND A DISTINCT ZONE CODED SIGNAL SHALL SOUND THE CODED SIGNAL THROUGHOUT ALL PORTIONS OF THE BUILDING. THE CODED SIGNAL SHALL CONSIST OF FOUR (4) ROUNDS OF A SERIES OF SINGLE STROKES OF A PARTICULAR CODE IDENTIFYING THE STATION INITIATING THE ALARM. [REFERENCE SUBCHAPTER 17, ARTICLE 5, 27-971(a).]
 - RECORD RELEVANT ALARM TYPE AND LOCATION DATA VIA THE SYSTEM RECORDER.
- ACTIVATION OF AN AREA SMOKE OR THERMAL DETECTOR SHALL:
 - CAUSE SAME SYSTEM OPERATIONS AND FUNCTIONS AS MANUAL FIRE ALARM STATION ON THAT FLOOR EXCEPT THAT A DISTINCT CODE SHALL BE ASSIGNED FOR THE SMOKE/THERMAL DETECTOR ZONE IN ALARM AND INDICATE A VISUAL ALARM IDENTIFYING THE ZONE IN ALARM AT THE FIRE ALARM PANEL.
 - SHUTDOWN AIR CONDITIONING AND FAN SYSTEMS SERVING THAT FLOOR.
 - CLOSE ALL ASSOCIATED AUTOMATIC FIRE AND SMOKE DAMPERS ON THE FLOOR IN ALARM.
 - CAUSE THE ACTIVATION OF THE AIR EXHAUST FANS AND DAMPERS IN SMOKE SHAFTS AND/OR THE PRESSURIZATION FANS IN STAIR ENCLOSURES.
- ACTIVATION OF ELEVATOR LOBBY (ELEVATOR RECALL) OR ELEVATOR MACHINE ROOM DETECTORS SHALL:
 - CAUSE SAME SYSTEM OPERATIONS AND FUNCTIONS AS AN AREA SMOKE DETECTOR.
 - RECALL ELEVATORS SERVED TO THE FLOOR DESIGNATED OR THE ALTERNATE FLOOR (AS NOTED IN THE ELEVATOR RECALL SCHEDULE SECTION 210.13C OF RS18-1).
 - INITIATE AUDIBLE AND VISUAL ALARMS IN CARS.
- OPERATION OF SPRINKLER SYSTEM WATER FLOW SWITCH SHALL:
 - CAUSE SAME SYSTEM OPERATIONS AND FUNCTIONS AS AN AREA SMOKE DETECTOR ON THAT FLOOR.
 - RECALL ELEVATORS SERVED TO THE FLOOR DESIGNATED OR THE ALTERNATE FLOOR (REFER TO SECTION 210.13C OF RS18-1).
- ACTIVATION OF SPRINKLER VALVE TAMPER ALARM SHALL:
 - CAUSE AN AUDIBLE AND INDIVIDUAL VISUAL ALARM AT THE SPRINKLER CONTROL PANEL AND/OR THE FIRE ALARM PANEL.
 - COMMON SILENCEABLE AUDIBLE AND A PERSISTENT VISUAL ALARM AT THE REMOTE ANNUNCIATOR.
 - RECORD RELEVANT ALARM LOCATION AND TYPE DATA VIA THE SYSTEM RECORDER.
- ACTIVATION OF A RETURN OR SUPPLY FAN DUCT DETECTOR SHALL CAUSE:
 - SAME SYSTEM OPERATIONS AND FUNCTIONS AS THAT FOR AN AREA SMOKE DETECTOR ON THAT FLOOR.
 - SHUT DOWN THE SUPPLY AND RETURN FANS FOR THAT SYSTEM.
- SHUT DOWN ALL ASSOCIATED FANS.
- CLOSE ALL ASSOCIATED FIRE/SMOKE DAMPERS.
- CAUSE AN AUDIBLE AND VISUAL ALARM AT THE FIRE ALARM PANEL, IDENTIFYING THE FAN AND DETECTOR IN ALARM.
- CAUSE THE ACTIVATION OF THE AIR EXHAUST FANS AND DAMPERS IN SMOKE SHAFTS AND/OR THE PRESSURIZATION FANS IN STAIR ENCLOSURES.
- ACTIVATION OF AN AREA SMOKE DETECTOR IN A FAN ROOM OR SPACE SHALL CAUSE:
 - SAME SYSTEM ALARM FUNCTIONS AND OPERATIONS AS AN AREA SMOKE DETECTOR ON THAT FLOOR AND IDENTIFY THE AREA IN ALARM AT THE FIRE ALARM PANEL.
 - SHUT DOWN OF ALL FANS IN THAT FAN ROOM.
 - SHUT DOWN OF ASSOCIATED SMOKE DAMPERS.
 - CAUSE THE ACTIVATION OF THE AIR EXHAUST FANS AND DAMPERS IN SMOKE SHAFTS AND/OR THE PRESSURIZATION FANS IN STAIR ENCLOSURES, IF SUCH SYSTEM IS REQUIRED IN THE BUILDING.
- AFTER SHUTDOWN OF AN AIR CONDITIONING SYSTEM DUE TO INITIATION OF AN ALARM BY AN AUTOMATIC FIRE DETECTION DEVICE OR SYSTEM, THE RESETTING OF THAT DEVICE SHALL NOT CAUSE THE AIR CONDITIONING SYSTEM(S) TO RESTART AUTOMATICALLY. RESTARTING OF THE SYSTEM (UNITS) SHALL BE ACCOMPLISHED IN THE SAME FASHION AS THE NORMAL (DAILY, ETC.) STARTING OF SAID SYSTEM (UNIT).
- ACTUATION OF ANY SYSTEM TROUBLE ALARM SHALL:
 - INITIATE AUDIBLE AND INDIVIDUAL VISUAL ALARMS AT THE FIRE ALARM PANEL.
 - CAUSE A SILENCEABLE AUDIBLE AND A PERSISTENT VISUAL ALARM AT THE REMOTE ANNUNCIATOR.
 - RECORD RELEVANT ALARM TYPE AND LOCATION DATA VIA THE SYSTEM RECORDER.
- ALL OF THE FOLLOWING SYSTEM DEVICE ACTUATIONS SHALL CAUSE INDIVIDUAL AUDIBLE AND VISUAL TROUBLE ALARMS AT THE SPRINKLER CONTROL PANEL AND/OR THE FIRE ALARM PANEL IN EACH CASE:
 - SUCTION PUMP HIGH LEVEL ALARM.
 - SUCTION PUMP LOW LEVEL ALARM.
 - FIRE PUMP VALVE TAMPER.
 - SPRINKLER VALVE TAMPER.
 - FIRE PUMP PHASE REVERSAL.
 - CURRENT FAILURE.
 - SPRINKLER LOW AIR.
 - SPRINKLER HIGH AIR.
- INITIATION OF AN ALARM BY ANY AUTOMATIC FIRE ALARM DEVICE (I.E., SMOKE DETECTOR, THERMAL DETECTOR, DUCT DETECTOR, ELEVATOR RECALL DETECTOR, SPRINKLER WATER FLOW ALARM) SHALL CAUSE:
 - ALL ELECTRIC DOOR LOCKING DEVICES TO RELEASE.
 - ALL MAGNETIC DOOR HOLDING DEVICES TO RELEASE.
 - ALL FAIL SAFE DOORS TO OPEN.



1 2ND FLOOR - PARTIAL FIRE ALARM RISER DIAGRAM
NOT TO SCALE

FIRE ALARM SYSTEM DEVICES

	COMBINATION FIRE ALARM SPEAKER AND STROBE		LOAD RELAY
	FIRE ALARM STROBE		ADDRESSABLE CONTROL MODULE
	CEILING MOUNTED SMOKE DETECTOR		FIRE SMOKE DAMPER
	DUCT MOUNTED SMOKE DETECTOR		END OF LINE RESISTOR
	MANUAL FIRE ALARM PULL STATION		

LINE TYPES

- LIGHT CONTINUOUS LINE INDICATES EXISTING TO REMAIN
- DARK CONTINUOUS LINE INDICATES NEW WORK IN CONTRACT

LEGEND

E - INDICATES EXISTING EQUIPMENT TO REMAIN



LOT PLAN - BUILDING INFORMATION

ADDRESS: 234 E 149TH STREET
BRONX, NY 10451
BLOCK: 2335
LOT: 16

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

DOB EMPLOYEE STAMPS AND SIGNATURES:

DOB BSCAN

STICKER:

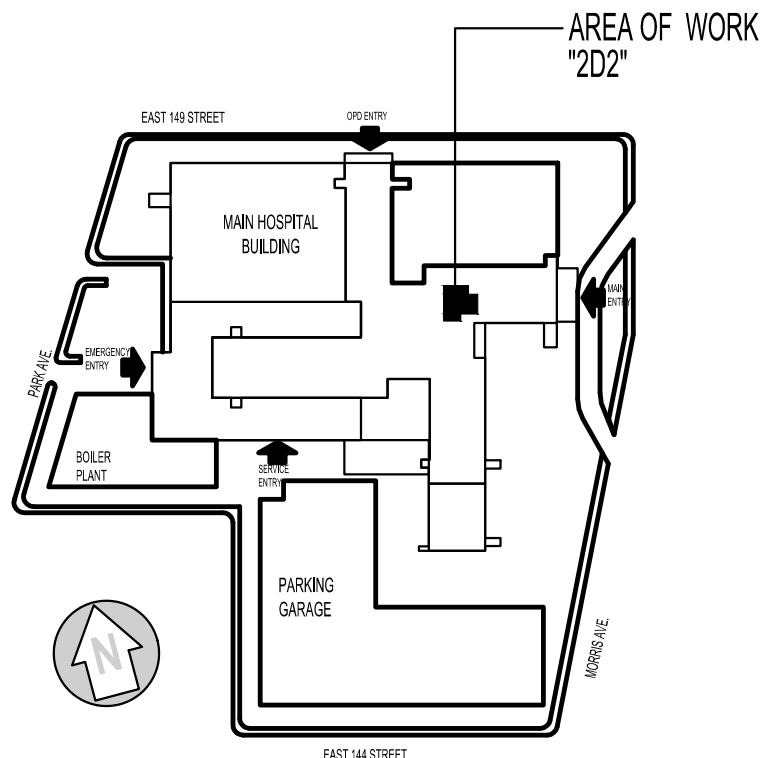
06-25-2012

ISSUED TO DOB

REVISION DATE

REASON FOR ISSUE

KEY PLAN :



CLIENT:

NEW YORK CITY
HEALTH AND
HOSPITALS
CORPORATION

CLIENT:

LINCOLN MEDICAL AND
MENTAL HEALTH CENTER
234 East 149th Street, Bronx, New York 10451

ARCHITECT:

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PROJECT:

NEW CLINIC RENOVATION AT SECOND FLOOR
234 East 149 Street Bronx, NY 10451

DRAWING:

FIRE ALARM NOTES,
SYMBOL LIST AND RISER DIAGRAM

SCALE: NONE

DRAWN BY: CP

CHECKED BY: GA

DATE: 09-06-2011

JOB #: 21115.00

DRAWING #:

FA-001.00