

FIRE ALARM SYSTEM NOTES:

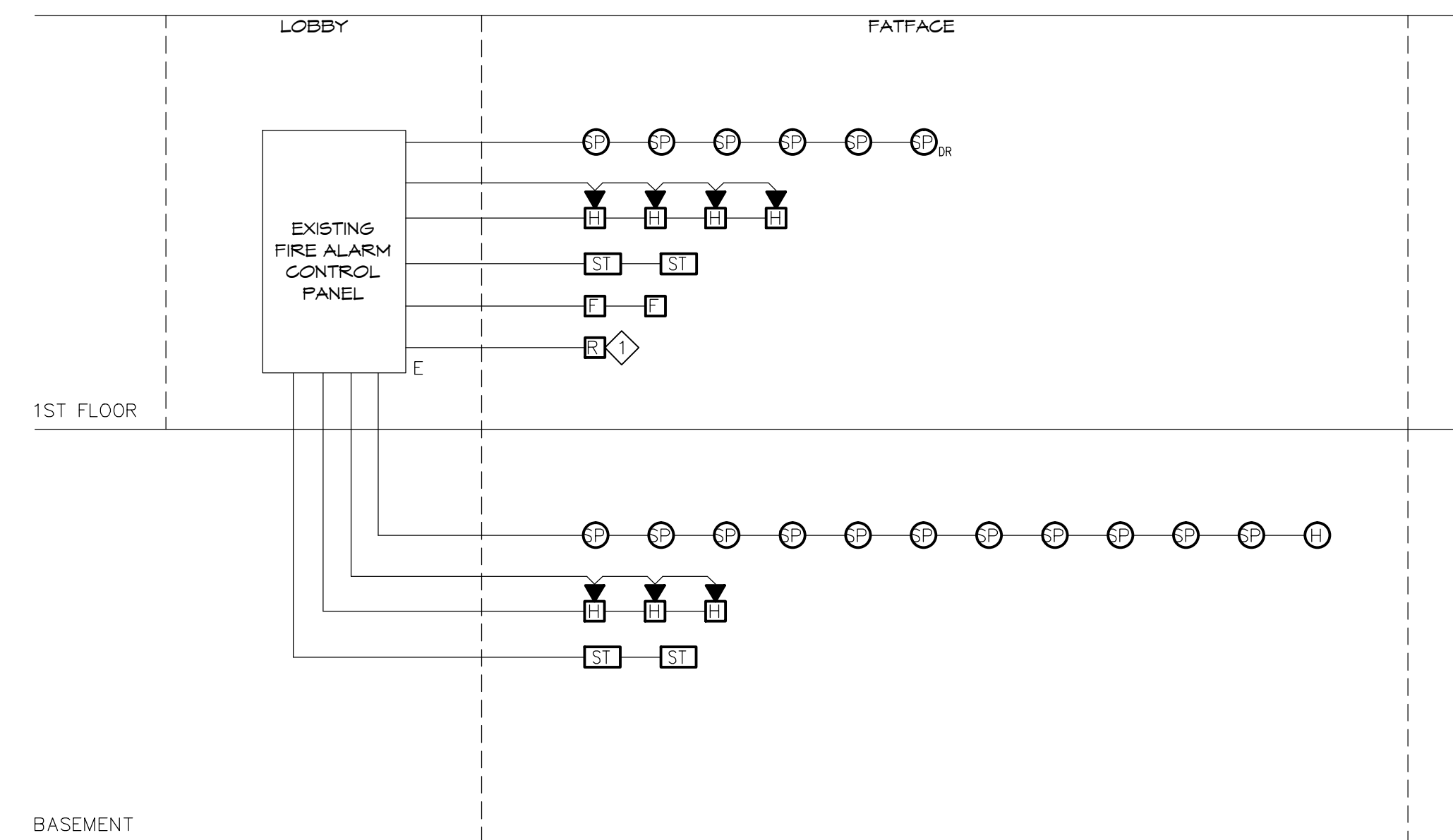
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR A COMPLETE FIRE ALARM SYSTEM INSTALLATION. COMPLY WITH BASE BUILDING REQUIREMENTS AND ALL CURRENT APPLICABLE CODES, INCLUDING PORTLAND, MAINE AND THE ADA. COORDINATE ALL WORK WITH BUILDING OWNER, GENERAL CONTRACTOR, SYSTEM VENDOR, AND OTHER TRADES.
- PROVIDE NEW FIRE ALARM DEVICES AND WIRING AS AN ADDITION TO THE EXISTING BASE BUILDING FIRE ALARM SYSTEM. FINAL CONNECTIONS TO BASE BUILDING SYSTEM BY VENDOR. PROVIDE NEW CIRCUITS AS REQUIRED. ALL EQUIPMENT SHALL BE U.L. LISTED, INSTALLED AND CONNECTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS AND SHALL MATCH THE EXISTING BUILDING SYSTEM DEVICES. COORDINATE FINAL CONNECTIONS, VOLTAGE, LOCATION, AND WIRING OF THE DEVICES TO COMPLY WITH BUILDING STANDARDS. CONFIRM AVAILABILITY OF POINTS AND CIRCUITS IN THE BASE BUILDING DATA GATHERING PANEL (DGP) PRIOR TO ANY WORK. PROVIDE A NEW EXTENDER PANEL IF IT IS DETERMINED THAT ADDITIONAL ZONES WILL BE REQUIRED.
- ALL AUDIBLE/VISUAL ALARM STROBE/SPEAKER UNITS SHALL BE PORTLAND, MAINE APPROVED AND SUITABLE FOR USE WITH EXISTING BUILDING FIRE ALARM SYSTEM.
- SUBMIT COMPLETE SHOP DRAWINGS FOR THE SYSTEM, INCLUDING WIRING DIAGRAMS, CATALOG CUTS OF ALL DEVICES, AND SYSTEM RISER DIAGRAM.
- PROVIDE END-OF-LINE DEVICES AS REQUIRED.
- ALL COMPONENTS CONNECTED TO THE BASE BUILDING FIRE ALARM SYSTEM SHALL BE FULLY COMPATIBLE WITH THE BASE SYSTEM. UL/MEA LISTINGS, CROSS LISTING AND MANUFACTURERS APPROVAL SHALL BE REQUIRED.
- ALL CONDUITS SHALL BE GROUNDED BY MEANS CONFORMING WITH THE NYC ELECTRICAL CODE WITH A GROUND CONDUCTOR EQUAL IN SIZE TO THE LARGEST CONDUCTOR USED IN THE SYSTEM; BUT IN NO CASE SHALL THE GROUND CONDUCTOR BE SMALLER THAN #10 AWG. ALL HOISTWAY CONDUITS SHALL BE RIGID STEEL CONDUIT; ALL OTHER WIREWAY MAY BE EMT. ALL JUNCTION BOXES AND CONDULET COVERS SHALL BE PAINTED RED.
- ALL FIRE ALARM SYSTEM WIRING SHALL BE TYPE FPLP-UL, TWISTED PAIR #14 AWG MINIMUM, SOLID COPPER, 150-C, 600V, SHIELDED, INSULATED CONDUCTORS, CLASS E, BS&A OR MEA APPROVED WITH FEP TEFLON, AND CONDUCTORS COLORED BLACK AND RED. CABLE SHALL BE LABELED "ALSO CLASSIFIED NYC CERT. FIRE ALARM CABLE".
- RUN IN RIGID CONDUIT WHERE NOT CONCEALED IN CEILINGS AND WHERE REQUIRED BY ALL APPLICABLE CODES. ALL WIRING SHALL BE COLOR CODED AND IDENTIFIED AT THE FIRE ALARM DGP (TTB). ALL FIRE ALARM CABLES SHALL BE APPROVED FOR USE IN FIRE ALARM SYSTEMS IN NEW YORK CITY.
- TEST AND DOCUMENT EXISTING FIRE ALARM SYSTEM PRIOR TO START OF AND AT THE COMPLETION OF CONSTRUCTION.
- ELECTRICAL CONTRACTOR SHALL PERFORM ALL NECESSARY FIRE DEPARTMENT FILING. WORK SHALL NOT BE CONSIDERED COMPLETE UNLESS ALL NECESSARY FILING, TESTS, AND INSPECTIONS ARE COMPLETED AND APPROVED, INCLUDING INSPECTION AND SIGN OFF BY FIRE DEPARTMENT.
- ELECTRICAL CONTRACTOR SHALL FIRE STOP ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS AND SLABS.
- ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BID ONE (1) DAY FOR WALK-THRU'S AND ALL PRE-TESTING OF THE FIRE ALARM SYSTEM WITH REPRESENTATIVES FROM THE BUILDING MANAGEMENT PRESENT, PRIOR TO FIRE DEPARTMENT INSPECTION AND TESTING.
- VISUAL ALARM FLASHING STROBE LIGHT SHALL BE MINIMUM 75 CANDELAS, UON AND SHALL BE MOUNTED @ 80" A.F.F. PER "A.D.A." REQUIREMENTS. STROBE LIGHTS SHALL BE ALTERNATELY WIRED ON TWO SEPARATE CIRCUITS AS REQUIRED BY CODE.
- SPEAKERS SHALL BE ALTERNATELY WIRED ON TWO SEPARATE CIRCUITS AS REQUIRED BY CODE.
- COORDINATE COLOR AND LOCATION OF ALL DEVICES AND CONDUIT ROUTING WITH ARCHITECT PRIOR TO ANY WORK AND INSTALLATION.
- REFER TO FLOOR PLAN FOR EXACT QUANTITY OF DEVICES.
- MAINTAIN CONTINUITY OF FIRE ALARM SERVICE FOR ALL EXISTING BASE BUILDING DEVICES (SMOKE DETECTORS, PULL STATIONS, FAN SHUTDOWN, ETC.)
- ALL DEVICES SHALL BE PROVIDED BY THIS CONTRACTOR.
- THIS CONTRACTOR SHALL UTILIZE THE SERVICES OF THE BUILDING FIRE ALARM CONTRACTOR FOR PERFORMING ALL WORK RELATED TO THE BASE BUILDING FIRE ALARM SYSTEM INCLUDING REPROGRAMMING OF F.A. SYSTEM, IF REQUIRED. COORDINATE ALL WORK WITH BUILDING MANAGER AND BUILDING FIRE ALARM CONTRACTOR.
- PRIOR TO SUBMITTING HIS BID, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO AVAILABILITY OF CIRCUITS/ZONES ETC., AND INFORM THE ENGINEER/ARCHITECT OF ANY DISCREPANCY AND INCLUDE IN HIS BID TO INCLUDE THE SAME AS DIRECTED. TENANT IS NOT RESPONSIBLE FOR ANY ADDITIONAL COST RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED.
- CONTRACTOR TO INCLUDE IN HIS BID THE COST ASSOCIATED WITH REMOVING ALL ABANDONED MISC. FIRE ALARM CABLING AND DEVICES (SPEAKERS, STROBES, ETC.) THAT ARE THROUGHOUT THE AREA OF WORK, BACK TO THE ORIGIN OF CONNECTION. VERIFY THE EXACT POINT OF CONNECTION WITH THE BASE BUILDING FIRE ALARM VENDOR. MAINTAIN ALL EXISTING PULL STATIONS, WARDEN STATIONS & ELEVATOR LOBBY SMOKE DETECTORS. COORDINATE THIS WORK WITH THE BASE BUILDING ENGINEER FOR REPLACEMENT OF THE DEVICES REQUIRED.
- THE PARTIAL FIRE ALARM RISER DIAGRAM SHOWN IS AN INDICATION OF THE WORK REQUIRED AND SHALL BE USED FOR ESTIMATING PURPOSES ONLY. THE SUCCESSFUL CONTRACTOR SHALL OBTAIN A POINT-TO-POINT WIRING DIAGRAM FROM THE BUILDING FIRE ALARM MAINTENANCE CONTRACTOR AND PERFORM ALL WORK IN ACCORDANCE WITH THAT DIAGRAM.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIRE ALARM FILING FEES AND SHALL COORDINATE WITH BUILDING FA VENDOR.
- FIRE SAFETY MUST BE MAINTAINED FOR ALL PERSONNEL WORKING ON THE FLOOR. ALL FIRE STAIRS ALARMS SPEAKERS, ETC. MUST REMAIN ACCESSIBLE AND OPERABLE AT ALL TIMES. ALL FIRE SAFETY EQUIPMENT AND ASSOCIATED WIRING AND CONDUIT SHALL NOT BE HARMED DURING DEMOLITION AND/OR CONSTRUCTION AND SHALL BE PROTECTED FROM ANY PHYSICAL DAMAGE. IF SUCH A SYSTEM IS NOT PRESENT, A TEMPORARY SYSTEM MUST BE INSTALLED. TEMPORARY SYSTEM SHALL INCLUDE SPEAKER/STROBES, AREA SMOKE DETECTOR AND PULL STATION AT POINT OF EGRESS.
- ALL FIRE ALARM WORK SHALL BE SCHEDULED THROUGH BUILDING FIRE ALARM CONTRACTOR. TENANT CONTRACTOR SHALL NOT CONNECT TO ANY DGP PANELS, ALL TIE-INS TO BE CONDUCTED BY BUILDING FIRE ALARM CONTRACTOR.
- ANY AND ALL FIRE ALARM SYSTEM WORK SHALL BE PERFORMED BY, OR UNDER, THE SUPERVISION OF THE BUILDING FIRE ALARM SYSTEM VENDOR AND MAINTENANCE COMPANY. ALL NEW FIRE ALARM DEVICES ARE TO MATCH EXISTING DEVICES THROUGHOUT THE BUILDING AND ARE TO BE FULLY COMPATIBLE WITH THE BUILDING'S FIRE ALARM SYSTEM. UPON COMPLETION OF ALL TESTING, AN FDNY CERTIFICATE OF ACCEPTANCE SHALL BE SUBMITTED TO BUILDING MANAGEMENT. PROVIDE TEST OF THE FIRE ALARM SYSTEM IN PRESENCE OF ALL APPROPRIATE PARTIES.
- A COPY OF THE FDNY LETTER OF APPROVAL SHALL BE FORWARDED TO BUILDING MANAGEMENT.
- PROVIDE AS-BUILT RISER DIAGRAM, SIGNED AND SEALED BY THE ENGINEER OF RECORD PER 3 RCNY-01. RISER DRAWING SHALL INCLUDE INPUT/OUTPUT MATRIX AND STATEMENT OF FUNCTIONALITY TO BE SIGNED AND SEALED BY INSTALLING LICENSED ELECTRICAL CONTRACTOR. THIS DOCUMENT IS TO BE PRESENTED TO THE FDNY INSPECTOR AT THE TIME OF FIRE ALARM INSPECTION.

FIRE ALARM SEQUENCE OF OPERATION:

- OPERATION OF A MANUAL PULL STATION WILL:
 - ACTIVATE SPEAKERS AND STROBES ON THIS FLOOR AND THE FLOOR ABOVE.
 - ACTIVATE THE INQUIRY TONE ON ALL FLOORS EXCEPT FLOOR IN ALARM.
 - DISPLAY ALARM AT THE FCS.
 - CALL FIRE DEPARTMENT VIA CENTRAL STATION.
 - ACTIVATE FIRE SIGN AT FCS.
 - DISPLAY THE APPROPRIATE ZONE AT FCS.
- OPERATION OF AN AREA SMOKE DETECTOR, HEAT DETECTOR, OR DUCT SMOKE DETECTOR WILL EFFECT THE SAME ACTION AS A MANUAL PULL STATION (1.A - 1.F) ABOVE AND:
 - STOP THE FANS SERVING THE FLOOR IN ALARM.
 - STOP ALL OTHER REQUIRED FANS.
 - OPERATE ALL DOOR STRIKE RELEASE RELAYS TO OPEN LOCKED DOORS.
 - OPERATE ALL REQUIRED DAMPER RELAYS.
 - START REQUIRED SMOKE EXHAUST FANS.
- TROUBLE SIGNALS FROM ALL DEVICES WILL BE DISPLAYED AT THE FCS AND SHALL BE REPORTED TO CENTRAL STATION.
- AFTER ANY AC OR CAC UNIT IS SHUT DOWN VIA THE CLASS 'E' FIRE ALARM SYSTEM, THE UNIT SHALL NOT RESTART UNTIL:
 - THE ZONE IN ALARM HAS BEEN CLEARED AND RESET.
 - THE FAN IS MANUALLY RESTARTED. MANUAL RESTART MAY BE INITIATED AT THE FCS OR AT THE ASSOCIATED FAN SHUT DOWN RELAY.

| SYMBOL LIST | |
|-------------|--|
| SYMBOL | DESCRIPTION |
| | HORN/STROBE |
| | T = TEST SWITCH ED = ELEVATOR DETECTOR C = CEILING MOUNTED W = WALL MOUNTED A = CIRCUIT 'A' |
| | 96 = 96" ABOVE FINISHED FLOOR S = STAIR SPEAKER R = RELOCATED E = EXISTING TO REMAIN B = CIRCUIT 'B' |
| | SMOKE DETECTOR - PHOTOELECTRIC TYPE |
| | SUBSCRIPTS - LOCATION OF DEVICE ED = ELEVATOR DETECTOR DS = DUCT - SUPPLY SIDE DR = DUCT - RETURN SIDE |
| | DO = DUCT - OUTSIDE AIR EX = DUCT - EXHAUST E = EXISTING TO REMAIN |
| | RELAY |
| | STROBE |

| DRAWING LIST: | |
|---------------|------------------------------------|
| NUMBER | DESCRIPTION |
| FA-100 | FIRE ALARM TITLE SHEET |
| FA-300 | BASEMENT FIRE ALARM FLOOR PLAN |
| FA-301 | GROUND FLOOR FIRE ALARM FLOOR PLAN |



PARTIAL FIRE ALARM RISER DIAGRAM

SCALE: NONE

REFERENCE NOTES:

- PROVIDE RELAY FOR AUDIO SYSTEM TIE-IN.

BARRY MICHAEL LUDLOW, AIA
ARCHITECT

BARRY MICHAEL LUDLOW, AIA ARCHITECT
102 ROSE LANE GARDEN, CT 06820
TELEPHONE: 646.747.3736 EMAIL: B.LUDLOW@DESIGNREPUBLIC.US.COM

CLIENT/TOWNER/TENANT
FAT FACE LTD
1-3 RIDGWAY HAVANT, PO9 1QJ
UNITED KINGDOM
CONTACT: DAVID LILLEY
TEL: 0044.2392.441100
E: DAVID.LILLEY@FATFACE.COM

DESIGNER
BOX OF FROGS LTD
2 WILLOW PARK STROKE POGES BUCKS SL2 4ES
CONTACT: SARAH MALCOM-RICHARDS
TEL: 007748606997
E: SARAH@BOXOFFROGS.WEB.COM

MEP ENGINEER
FISKA
589 8TH AVENUE
NEW YORK, NY, 10018
CONTACT: ERIC MARTINSEN
TEL: 212.736.9500
E: EMARTINSEN@FISKA.COM

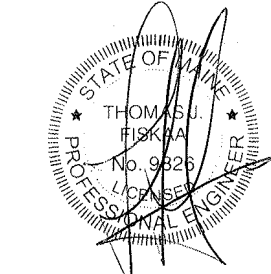
| Issue | Date | Issue | Date |
|--|------------|-------|------|
| A. ISSUE FOR LL REVIEW & HISTORIC REVIEW | 07/10/2015 | | |
| B. ISSUE FOR DEMO PERMIT | 07/20/2015 | | |
| C. ISSUE FOR PERMIT | 07/24/2015 | | |

Project:
FAT FACE PORTLAND
34 EXCHANGE STREET
PORTLAND, ME 04104

Drawing Title
FIRE ALARM TITLE SHEET

| Project No. | Drawn By | Date | Scale |
|-------------|----------|------|-------|
| 15.102.00 | MR | --- | --- |

Seal: MR Floor(s) Drawing No.



FA-100