














FIRE ALARM NOTES
<div>1. ALL NEW EQUIPMENT AND DEVICES SHALL BE U.L. LISTED FOR FIRE SERVICE AND SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM IN USE</div> <div>2. ALL WIRING AND CONDUIT TO CONFORM TO N.F.P.A. 72 AND N.E.C. ARTICLE 760. WIRING SHALL BE SOLID COPPER OR STRANDED COPPER WITH A MAX. OF 7 STRANDS FOR 16 GA AND 18 GA, STRANDED COPPER WITH A MAX OF 19 STRANDS FOR SIZES 14 AND LARGER PER N.E.C. 760 AND N.F.P.A. 70.</div> <div>3. ALL FIRE STOP PENETRATIONS SHALL BE MADE WITH APPROVED (NEC) METALLIC CONDUIT AND SHALL BE SEALED WITH A U.L. APPROVED FIRE STOP MATERIAL. (SEE FIRE STOP DETAIL)</div> <div>4. COLOR CODING MAY NOT APPLY TO EXISTING SYSTEMS. LABEL EXISTING WIRING ACCORDINGLY.</div> <div>5. ROUTING OF THE FIRE ALARM SYSTEM CONDUIT IS DIAGRAMMATIC ONLY, VERIFY EXACT LOCATIONS PRIOR TO STARTING WORK.</div> <div>6. ALL FIRE ALARM NOTIFICATION APPLIANCES SHALL ACTIVATE UPON INITIATION OF THE GENERAL ALARM.</div> <div>7. ALL FIRE ALARM AUDIBLE SIGNALS IN OPEN AREA SHALL HAVE A THREE PLUS TEMPORAL PATTERN.</div> <div>8. ALL FIRE ALARM AUDIBLE SIGNALS SHALL HAVE A SOUND LEVEL OF AT LEAST 15 dba ABOVE THE AVERAGE AMBIENT SOUND LEVEL</div> <div>9. EXIT MANUAL PULL STATION EXISTING TO REMAIN, ALL PULL STATION IS TO BE INSTALLED AT 48" INCHES A.F.F</div> <div>10. MOUNT FIRE ALARM SYSTEM AUDIBLE/VISUAL SIGNALS (COMBINATION DEVICES) SUCH THAT THE ENTIRE STROBE LENS IS 80" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER. (EXCEPT WHERE DEVICES ARE INDICATED TO BE CEILING MOUNTED).</div> <div>11. MOUNT FIRE ALARM SYSTEM STROBES SUCH THAT THE ENTIRE STROBE LENS IS 80" A.F.F. OR 6" BELOW CEILING, WHICH EVER IS LOWER. (EXCEPT WHERE DEVICES ARE INDICATED TO BE CEILING MOUNTED).</div> <div>12. SMOKE DETECTORS TO BE INSTALLED AS REQUIRED BY N.F.P.A. 72.</div> <div>13. THE FIRE ALARM PANEL MUST HAVE AN EARTH GROUND CONNECTION AS REQUIRED BY THE SYSTEM MANUFACTURER, AND N.E.C. ARTICLE 760. MINIMUM WIRE SIZE IS #8 AWG FOR GROUND CONNECTION. (NOTE PANEL NEUTRAL OR CONDUIT GROUND IS NOT ACCEPTABLE).</div> <div>14. A GENERAL ALARM SHALL BE ANNUNCIATED UPON ACTIVATION OF ANY PULL STATION, FLOW SWITCH OR DETECTION DEVICE.</div> <div>15. A TROUBLE SIGNAL SHALL BE ANNUNCIATED UPON FAILURE OR REMOVAL OF ANY DETECTION OR MANUAL DEVICE.</div> <div>16. A SUPERVISORY SIGNAL SHALL BE ANNUNCIATED UPON ACTIVATION OF ANY FIRE SPRINKLER SYSTEM TAMPER SWITCH.</div> <div>17. HVAC DUCT SMOKE DETECTORS SHALL BE CONNECTED TO THE FIRE ALARM CONTROL PANEL AND SHALL INITIATE A GENERAL FIRE ALARM IN ACCORDANCE WITH LOCAL REQUIREMENTS.</div> <div>18. ALL FIRE ALARM SYSTEM DEVICES INSTALLED FOR THIS SPECIFIC PROJECT SHALL BE U.L. CERTIFIED.</div> <div>19. ALL FIRE ALARM INITIATING DEVICES SHALL BE ADDRESSABLE AND ALL FIRE ALARM CIRCUITS SHALL BE CLASS "B", STYLE "4".</div> <div>20. SECURITY LOCK SYSTEM (BY OTHERS) SHALL BE TIED INTO FIRE ALARM SYSTEM. EMERGENCY EXITS SHALL UNLOCK UPON RECEIPT OF ANY FIRE SIGNAL OR LOSS OF PRIMARY POWER AS TO COMPLY WITH NFPA 101, SEC 7.2.1.6.2.</div> <div>21. PROVIDE CERTIFICATE OF COMPLETION AT THE FINAL INSPECTION OF THE FIRE ALARM SYSTEM.</div> <div>22. FIRE ALARM CONTRACTOR SHALL VISIT THE JOB SITE BEFORE COMMENCING WORK AND SHALL VERIFY ALL EXISTING CONDITIONS.</div> <div>23. FIRE ALARM CONTRACTOR SHALL PROVIDE A DETAILED SET OF SHOP DRAWINGS (INCLUDING DEVICE CUT SHEETS), A COMPLETE POINT TO POINT WIRING DIAGRAM, FLOOR PLAN DRAWINGS INDICATING ALL DEVICE LOCATIONS AND NUMBERS, COMPLETE BATTERY CALCULATIONS AND COMPLETE NOTIFICATION APPLIANCE CIRCUIT CALCULATIONS (FOR THE SYSTEM TO BE INSTALLED) TO THE BUILDING DEPARTMENT (AUTHORITY HAVING JURISDICTION) AT THE TIME OF APPLICATION FOR BUILDING PERMIT.</div> <div>24. PROVIDE THE OWNER WITH A COMPLETE FIRE ALARM SYSTEM AND INSTALLATION MANUAL COVERING MANUAL COVERING ALL SYSTEM EQUIPMENT INSTALLED FOR THIS PROJECT. KEEP AT THE MAIN FIRE ALARM CONTROL PANEL.</div> <div>25. ALL EXISTING ELEVATOR FIRE ELEVATOR A/C EQUIPMENT ARE UNDER SEPARATE PERMIT. UNLESS SHOWN OR MODIFIED BY THESE DRAWINGS.</div> <div>26. ALL CEILING MOUNTED FIRE ALARM EQUIPMENT SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 72, 2002.</div>

FIRE ALARM SHEET INDEX	
FA0.1	FIRE ALARM NOTES, LEGEND & INDEX
FA2.1	FIRE ALARM PLAN

FIRE ALARM SYMBOLS	
	EXISTING PHOTOELECTRIC SMOKE DETECTOR. SIGA-PS/SIGA-SB4
	DUCT SMOKE DETECTOR. EST #SIGA-DH/PS/SB, 24 VOLT
	EXISTING FIRE ALARM CONTROL PANEL – ADDRESSABLE. EST-QS-2.
	REMOTE POWER SUPPLY. EST #BPS10
	EXISTING REMOTE ANNUNCIATOR PANEL
 75cd	FIRE ALARM STROBE. GENESIS SERIES. CEILING MOUNTED. NUMERAL ADJACENT TO DEVICE INDICATES CANDELA RATING.
 75cd	FIRE ALARM HORN/STROBE COMBINATION. GENESIS SERIES CEILING MOUNTED. NUMERAL ADJACENT TO DEVICE INDICATES CANDELA RATING.
	EXISTING FIRE ALARM FLOW SWITCH (FURNISHED BY SPRINKLER CONTRACTOR)
	EXISTING FIRE ALARM TAMPER SWITCH (FURNISHED BY SPRINKLER CONTRACTOR)
	FIRE ALARM MAGNETIC DOOR HOLDER. EST #15DD SERIES
	CONTROL RELAY MODULE. EST #SIGA-CR (FAN SHUT DOWN)
	EXISTING MONITOR MODULE, ONE FOR EACH FLOW SWITCH, TAMPER SWITCH AND AIR DUCT SMOKE DETECTOR.

FIRE ALARM SYSTEM WIRE SCHEDULE:
THE INSTALLATION OF THE FIRE ALARM SYSTEM WIRING SHOULD TAKE INTO ACCOUNT THE FIRE ALARM SYSTEM MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND THE LIMITATIONS OF THE APPLICABLE PRODUCT LISTING OR APPROVALS.
FIRE ALARM SYSTEM SHALL BE POWER LIMITED:
<div><ul style="list-style-type: none">INITIATING CIRCUITS: 2 CONDUCTOR, #18 AWG SOLID, SHIELDED TWISTED PAIR FPLP/FPLR.NDICATING CIRCUITS: 2 CONDUCTOR, #14 AWG SOLID, SHIELDED TWISTED PAIR FPLP/FPLRREMOTE ANNUCIATION CIRCUITS: 4 CONDUCTOR, #18 AWG SOLID, SHIELDED TWISTED PAIR FPLP/FPLRALL CONDUCTORS SHALL BE INSTALLED IN ELECTRICAL TUBING (EMT) UNLESS OTHERWISE NOTED. PLENUMPLENUM RATED FIRE ALARM CABLE IS ACCEPTABLE FOR USE WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION.</div>

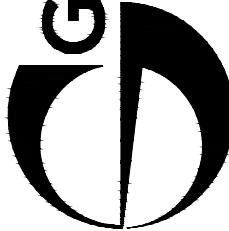
ISSUED FOR PERMIT	
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FA0.1

Tenant Improvements for:
NOVATIONS
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