NOTES FOR DRAWING E-2

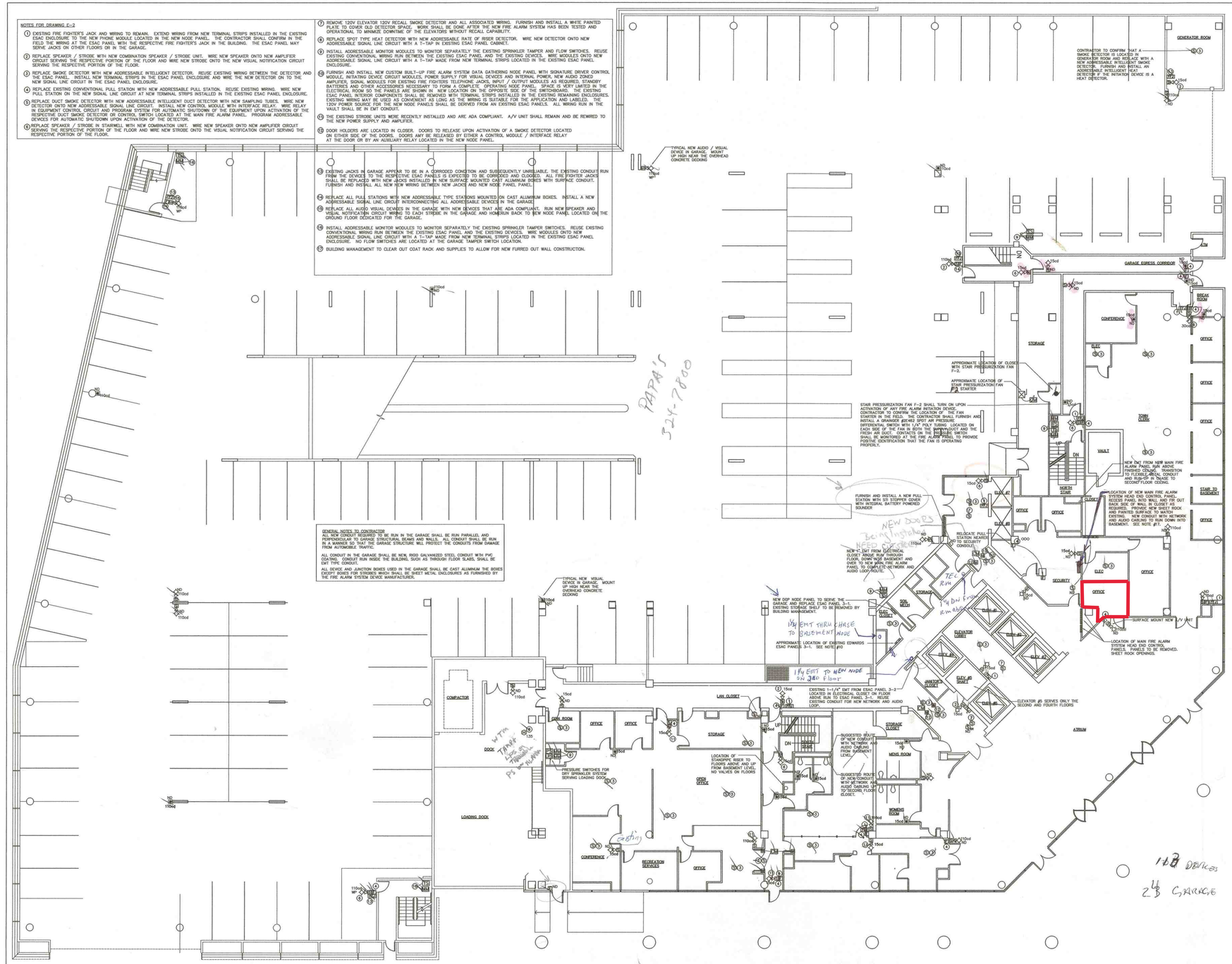
1. EXISTING FIRE FIGHTER'S JACK AND WIRING TO REMAIN. EXTEND WIRING FROM NEW TERMINAL STRIPS INSTALLED IN THE EXISTING ESAC ENCLOSURE TO THE NEW PHONE MODULE LOCATED IN THE NEW NODE PANEL. THE CONTRACTOR SHALL CONFIRM IN THE FIELD THE WIRING AT THE ESAC PANEL WITH THE RESPECTIVE FIRE FIGHTER'S JACK IN THE BUILDING. THE ESAC PANEL MAY SERVE JACKS ON OTHER FLOORS OR IN THE GARAGE.
2. REPLACE SPEAKER / STROBE WITH NEW COMBINATION SPEAKER / STROBE UNIT. WIRE NEW SPEAKER ONTO NEW AMPLIFIER CIRCUIT SERVING THE RESPECTIVE PORTION OF THE FLOOR AND WIRE NEW STROBE ONTO THE NEW VISUAL NOTIFICATION CIRCUIT SERVING THE RESPECTIVE PORTION OF THE FLOOR.
3. REPLACE SMOKE DETECTOR WITH NEW ADDRESSABLE INTELLIGENT DETECTOR. REUSE EXISTING WIRING BETWEEN THE DETECTOR AND THE ESAC PANEL. INSTALL NEW TERMINAL STRIPS IN THE ESAC PANEL ENCLOSURE AND WIRE THE NEW DETECTOR ON TO THE NEW SIGNAL LINE CIRCUIT IN THE ESAC PANEL ENCLOSURE.
4. REPLACE EXISTING CONVENTIONAL PULL STATION WITH NEW ADDRESSABLE PULL STATION. REUSE EXISTING WIRING. WIRE NEW PULL STATION ON THE NEW SIGNAL LINE CIRCUIT AT NEW TERMINAL STRIPS INSTALLED IN THE EXISTING ESAC PANEL ENCLOSURE.
5. REPLACE DUCT SMOKE DETECTOR WITH NEW ADDRESSABLE INTELLIGENT DUCT DETECTOR WITH NEW SAMPLING TUBES. WIRE NEW DETECTOR ONTO NEW ADDRESSABLE SIGNAL LINE CIRCUIT. INSTALL NEW CONTROL MODULE WITH INTERFACE RELAY. WIRE RELAY IN EQUIPMENT CONTROL CIRCUIT AND PROGRAM SYSTEM FOR AUTOMATIC SHUTDOWN OF THE EQUIPMENT UPON ACTIVATION OF THE RESPECTIVE DUCT SMOKE DETECTOR OR CONTROL SWITCH LOCATED AT THE MAIN FIRE ALARM PANEL. PROGRAM ADDRESSABLE DEVICES FOR AUTOMATIC SHUTDOWN UPON ACTIVATION OF THE DETECTOR.
6. REPLACE SPEAKER / STROBE IN STAIRWELL WITH NEW COMBINATION UNIT. WIRE NEW SPEAKER ONTO NEW AMPLIFIER CIRCUIT SERVING THE RESPECTIVE PORTION OF THE FLOOR AND WIRE NEW STROBE ONTO THE VISUAL NOTIFICATION CIRCUIT SERVING THE RESPECTIVE PORTION OF THE FLOOR.
7. REMOVE 120V ELEVATOR 120V RECALL SMOKE DETECTOR AND ALL ASSOCIATED WIRING. FURNISH AND INSTALL A WHITE PAINTED PLATE TO COVER OLD DETECTOR SPACE. WORK SHALL BE DONE AFTER THE NEW FIRE ALARM SYSTEM HAS BEEN TESTED AND OPERATIONAL TO MINIMIZE DOWNTIME OF THE ELEVATORS WITHOUT RECALL CAPABILITY.
8. REPLACE SPOT TYPE HEAT DETECTOR WITH NEW ADDRESSABLE RATE OF RISER DETECTOR. WIRE NEW DETECTOR ONTO NEW ADDRESSABLE SIGNAL LINE CIRCUIT WITH A T-TAP IN EXISTING ESAC PANEL CABINET.
9. INSTALL ADDRESSABLE MONITOR MODULES TO MONITOR SEPARATELY THE EXISTING SPRINKLER TAMPER AND FLOW SWITCHES. REUSE EXISTING CONVENTIONAL WIRING RUN BETWEEN THE EXISTING ESAC PANEL AND THE EXISTING DEVICES. WIRE MODULES ONTO NEW ADDRESSABLE SIGNAL LINE CIRCUIT WITH A T-TAP MADE FROM NEW TERMINAL STRIPS LOCATED IN THE EXISTING ESAC PANEL ENCLOSURE.
10. FURNISH AND INSTALL NEW CUSTOM BUILT-UP FIRE ALARM SYSTEM DATA GATHERING NODE PANEL WITH SIGNATURE DRIVER CONTROL MODULE, INITIATING DEVICE CIRCUIT MODULES, POWER SUPPLY FOR VISUAL DEVICES AND INTERNAL POWER, NEW AUDIO ZONED AMPLIFIER, SIGNAL MODULES FOR EXISTING FIRE FIGHTERS TELEPHONE JACKS, INPUT / OUTPUT MODULES AS REQUIRED, STANDBY BATTERIES AND OTHER ACCESSORIES NECESSARY TO FORM A COMPLETE OPERATING NODE PANEL. SPACE IS VERY LIMITED IN THE ELECTRICAL ROOM SO THE PANELS ARE SHOWN IN NEW LOCATION ON THE OPPOSITE SIDE OF THE SWITCHBOARD. THE EXISTING ESAC PANEL INTERIOR COMPONENTS SHALL BE REMOVED WITH TERMINAL STRIPS INSTALLED IN THE EXISTING REMAINING ENCLOSURES. EXISTING WIRING MAY BE USED AS CONVENIENT AS LONG AS THE WIRING IS SUITABLE FOR THE APPLICATION AND LABELED. THE 120V POWER SOURCE FOR THE NEW NODE PANELS SHALL BE DERIVED FROM AN EXISTING ESAC PANELS. ALL WIRING RUN IN THE VAULT SHALL BE IN EMT CONDUIT.
11. THE EXISTING STROBE UNITS WERE RECENTLY INSTALLED AND ARE ADA COMPLIANT. A/V UNIT SHALL REMAIN AND BE REWIRED TO THE NEW POWER SUPPLY AND AMPLIFIER.
12. DOOR HOLDERS ARE LOCATED IN CLOSER. DOORS TO RELEASE UPON ACTIVATION OF A SMOKE DETECTOR LOCATED ON EITHER SIDE OF THE DOORS. DOORS MAY BE RELEASED BY EITHER A CONTROL MODULE / INTERFACE RELAY AT THE DOOR OR BY AN AUXILIARY RELAY LOCATED IN THE NEW NODE PANEL.
13. EXISTING JACKS IN GARAGE APPEAR TO BE IN A CORRODED CONDITION AND SUBSEQUENTLY UNRELIABLE. THE EXISTING CONDUIT RUN FROM THE DEVICES TO THE RESPECTIVE ESAC PANELS IS EXPECTED TO BE CORRODED AND CLOGGED. ALL FIRE FIGHTER JACKS SHALL BE REPLACED WITH NEW JACKS INSTALLED IN NEW SURFACE MOUNTED CAST ALUMINUM BOXES WITH SURFACE CONDUIT. FURNISH AND INSTALL ALL NEW NEW WIRING BETWEEN NEW JACKS AND NEW NODE PANEL PANEL.
14. REPLACE ALL PULL STATIONS WITH NEW ADDRESSABLE TYPE STATIONS MOUNTED ON CAST ALUMINUM BOXES. INSTALL A NEW ADDRESSABLE SIGNAL LINE CIRCUIT INTERCONNECTING ALL ADDRESSABLE DEVICES IN THE GARAGE.
15. REPLACE ALL AUDIO VISUAL DEVICES IN THE GARAGE WITH NEW DEVICES THAT ARE ADA COMPLIANT. RUN NEW SPEAKER AND VISUAL NOTIFICATION CIRCUIT WIRING TO EACH STROBE IN THE GARAGE AND HOMERUN BACK TO NEW NODE PANEL LOCATED ON THE GROUND FLOOR DEDICATED FOR THE GARAGE.
16. INSTALL ADDRESSABLE MONITOR MODULES TO MONITOR SEPARATELY THE EXISTING SPRINKLER TAMPER SWITCHES. REUSE EXISTING CONVENTIONAL WIRING RUN BETWEEN THE EXISTING ESAC PANEL AND THE EXISTING DEVICES. WIRE MODULES ONTO NEW ADDRESSABLE SIGNAL LINE CIRCUIT WITH A T-TAP MADE FROM NEW TERMINAL STRIPS LOCATED IN THE EXISTING ESAC PANEL ENCLOSURE. NO FLOW SWITCHES ARE LOCATED AT THE GARAGE TAMPER SWITCH LOCATION.
17. BUILDING MANAGEMENT TO CLEAR OUT COAT RACK AND SUPPLIES TO ALLOW FOR NEW FURRED OUT WALL CONSTRUCTION.

GENERAL NOTES TO CONTRACTOR

ALL NEW CONDUIT REQUIRED TO BE RUN IN THE GARAGE SHALL BE RUN PARALLEL AND PERPENDICULAR TO GARAGE STRUCTURAL BEAMS AND WALLS. ALL CONDUIT SHALL BE RUN IN A MANNER SO THAT THE GARAGE STRUCTURE WILL PROTECT THE CONDUITS FROM DAMAGE FROM AUTOMOBILE TRAFFIC.

ALL CONDUIT IN THE GARAGE SHALL BE NEW, RIGID GALVANIZED STEEL CONDUIT WITH PVC COATING. CONDUIT RUN INSIDE THE BUILDING, SUCH AS THROUGH FLOOR SLABS, SHALL BE EMT TYPE CONDUIT.

ALL DEVICE AND JUNCTION BOXES USED IN THE GARAGE SHALL BE CAST ALUMINUM THE BOXES EXCEPT BOXES FOR STROBES WHICH SHALL BE SHEET METAL ENCLOSURES AS FURNISHED BY THE FIRE ALARM SYSTEM DEVICE MANUFACTURER.



GROUND LEVEL BUILDING PLAN – GROUND LEVEL GARAGE PLAN

SCALE: 1/8"=1'-0"

DWG. No.	REFERENCE DRAWINGS
E-1	BASEMENT LEVEL PLANS AND ELEVATOR #5
E-2	GROUND LEVEL BUILDING PLAN AND GROUND LEVEL GARAGE PLAN
E-3	SECOND LEVEL BUILDING PLAN AND SECOND LEVEL GARAGE PLAN
E-4	THIRD LEVEL GARAGE PLAN
E-5	THIRD LEVEL BUILDING PLAN AND FOURTH LEVEL GARAGE PLAN
E-6	FOURTH LEVEL BUILDING PLAN AND PLAZA
E-7	FIFTH LEVEL BUILDING PLAN
E-8	SIXTH LEVEL BUILDING PLAN
E-9	SEVENTH LEVEL BUILDING PLAN
E-10	EIGHTH LEVEL BUILDING PLAN
E-11	NINTH LEVEL BUILDING PLAN
E-12	TENTH AND PENTHOUSE LEVEL BUILDING PLANS
E-13	FIRE ALARM RISER DIAGRAM

NOTES:

KEYPLAN

FACILITY SERVICES & ENGINEERING, INC.
42 RIDGEBROOK DRIVE
COVENTRY, CT 06238-1343
TEL: (860) 742-4170
ELECTRICAL ENGINEER

FIRE ALARM SYSTEM UPGRADE

CITY OF STAMFORD GOVERNMENT CENTER

888 WASHINGTON BLVD.
STAMFORD, CT

REV.	DATE	DESCRIPTION	BY	CHK	APP
	3/11/04	ISSUED FOR BIDDING	JDS	JDS	JDS
	3/24/04	ISSUED FOR OWNER REVIEW	JDS	JDS	JDS
	3/15/05	ISSUED FOR OWNER REVIEW	JDS	JDS	JDS

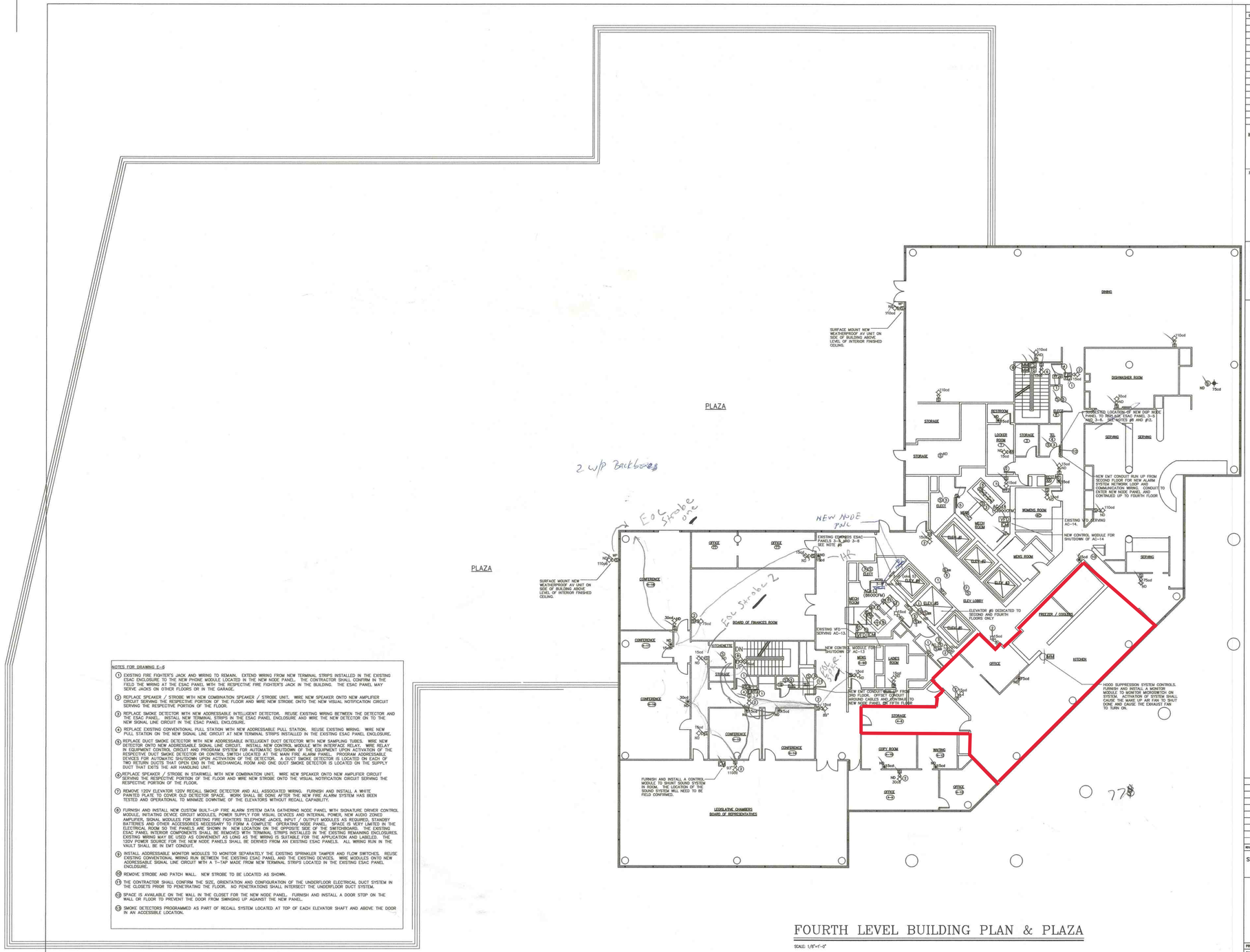
STAMFORD GOVERNMENT CENTER
STAMFORD, CT.

GROUND LEVEL BUILDING PLAN AND GROUND LEVEL GARAGE PLAN

PROJ. No. STAMFORD GC FA SCALE: AS NOTED

DWG. No. E-2

FILE REV



FOURTH LEVEL BUILDING PLAN & PLAZA

SCALE: 1/8"=1'-0"

NOTES FOR DRAWING E-6

1. EXISTING FIRE FIGHTER'S JACK AND WIRING TO REMAIN. EXTEND WIRING FROM NEW TERMINAL STRIPS INSTALLED IN THE EXISTING ESAC ENCLOSURE TO THE NEW PHONE MODULE LOCATED IN THE NEW NODE PANEL. THE CONTRACTOR SHALL CONFIRM IN THE FIELD THE WIRING AT THE ESAC PANEL WITH THE RESPECTIVE FIRE FIGHTER'S JACK IN THE BUILDING. THE ESAC PANEL MAY SERVE JACKS ON OTHER FLOORS OR IN THE GARAGE.
2. REPLACE SPEAKER / STROBE WITH NEW COMBINATION SPEAKER / STROBE UNIT. WIRE NEW SPEAKER ONTO NEW AMPLIFIER CIRCUIT SERVING THE RESPECTIVE PORTION OF THE FLOOR AND WIRE NEW STROBE ONTO THE NEW VISUAL NOTIFICATION CIRCUIT SERVING THE RESPECTIVE PORTION OF THE FLOOR.
3. REPLACE SMOKE DETECTOR WITH NEW ADDRESSABLE INTELLIGENT DETECTOR. REUSE EXISTING WIRING BETWEEN THE DETECTOR AND THE ESAC PANEL. INSTALL NEW TERMINAL STRIPS IN THE ESAC PANEL ENCLOSURE AND WIRE THE NEW DETECTOR ON TO THE NEW SIGNAL LINE CIRCUIT IN THE ESAC PANEL ENCLOSURE.
4. REPLACE EXISTING CONVENTIONAL PULL STATION WITH NEW ADDRESSABLE PULL STATION. REUSE EXISTING WIRING. WIRE NEW PULL STATION ON THE NEW SIGNAL LINE CIRCUIT AT NEW TERMINAL STRIPS INSTALLED IN THE EXISTING ESAC PANEL ENCLOSURE.
5. REPLACE DUCT SMOKE DETECTOR WITH NEW ADDRESSABLE INTELLIGENT DUCT DETECTOR WITH NEW SAMPLING TUBES. WIRE NEW DETECTOR ONTO NEW ADDRESSABLE SIGNAL LINE CIRCUIT. INSTALL NEW CONTROL MODULE WITH INTERFACE RELAY. WIRE RELAY IN EQUIPMENT CONTROL CIRCUIT AND PROGRAM SYSTEM FOR AUTOMATIC SHUTDOWN OF THE EQUIPMENT UPON ACTIVATION OF THE RESPECTIVE DUCT SMOKE DETECTOR OR CONTROL SWITCH LOCATED AT THE MAIN FIRE ALARM PANEL. PROGRAM ADDRESSABLE DEVICES FOR AUTOMATIC SHUTDOWN UPON ACTIVATION OF THE DETECTOR. A DUCT SMOKE DETECTOR IS LOCATED ON EACH OF TWO RETURN DUCTS THAT OPEN END IN THE MECHANICAL ROOM AND ONE DUCT SMOKE DETECTOR IS LOCATED ON THE SUPPLY DUCT THAT EXITS THE AIR HANDLING UNIT.
6. REPLACE SPEAKER / STROBE IN STAIRWELL WITH NEW COMBINATION UNIT. WIRE NEW SPEAKER ONTO NEW AMPLIFIER CIRCUIT SERVING THE RESPECTIVE PORTION OF THE FLOOR AND WIRE NEW STROBE ONTO THE VISUAL NOTIFICATION CIRCUIT SERVING THE RESPECTIVE PORTION OF THE FLOOR.
7. REMOVE 120V ELEVATOR 120V RECALL SMOKE DETECTOR AND ALL ASSOCIATED WIRING. FURNISH AND INSTALL A WHITE PAINTED PLATE TO COVER OLD DETECTOR SPACE. WORK SHALL BE DONE AFTER THE NEW FIRE ALARM SYSTEM HAS BEEN TESTED AND OPERATIONAL TO MINIMIZE DOWNTIME OF THE ELEVATORS WITHOUT RECALL CAPABILITY.
8. FURNISH AND INSTALL NEW CUSTOM BUILT-UP FIRE ALARM SYSTEM DATA GATHERING NODE PANEL WITH SIGNATURE DRIVER CONTROL MODULE, INITIATING DEVICE CIRCUIT MODULES, POWER SUPPLY FOR VISUAL DEVICES AND INTERNAL POWER. NEW AUDIO ZONED AMPLIFIER, SIGNAL MODULES FOR EXISTING FIRE FIGHTERS TELEPHONE JACKS, INPUT / OUTPUT MODULES AS REQUIRED, STANDBY BATTERIES AND OTHER ACCESSORIES NECESSARY TO FORM A COMPLETE OPERATING NODE PANEL. SPACE IS VERY LIMITED IN THE ELECTRICAL ROOM SO THE PANELS ARE SHOWN IN NEW LOCATION ON THE OPPOSITE SIDE OF THE SWITCHBOARD. THE EXISTING ESAC PANEL INTERIOR COMPONENTS SHALL BE REMOVED WITH TERMINAL STRIPS INSTALLED IN THE EXISTING REMAINING ENCLOSURES. THE ENCLOSURES SHALL REMAIN AS CONVENIENT AS LONG AS THE WIRING IS SUITABLE FOR THE APPLICATION AND LABELED. THE 120V POWER SHALL BE DERIVED FOR THE NEW NODE PANELS SHALL BE DERIVED FROM AN EXISTING ESAC PANELS. ALL WIRING RUN IN THE VAULT SHALL BE IN EMT CONDUIT.
9. INSTALL ADDRESSABLE MONITOR MODULES TO MONITOR SEPARATELY THE EXISTING SPRINKLER TAMPER AND FLOW SWITCHES. REUSE EXISTING CONVENTIONAL WIRING RUN BETWEEN THE EXISTING ESAC PANEL AND THE EXISTING DEVICES. WIRE MODULES ONTO NEW ADDRESSABLE SIGNAL LINE CIRCUIT WITH A T-TAP MADE FROM NEW TERMINAL STRIPS LOCATED IN THE EXISTING ESAC PANEL ENCLOSURE.
10. REMOVE STROBE AND PATCH WALL. NEW STROBE TO BE LOCATED AS SHOWN.
11. THE CONTRACTOR SHALL CONFIRM THE SIZE, ORIENTATION AND CONFIGURATION OF THE UNDERFLOOR ELECTRICAL DUCT SYSTEM IN THE CLOSETS PRIOR TO PENETRATING THE FLOOR. NO PENETRATIONS SHALL INTERSECT THE UNDERFLOOR DUCT SYSTEM.
12. SPACE IS AVAILABLE ON THE WALL IN THE CLOSET FOR THE NEW NODE PANEL. FURNISH AND INSTALL A DOOR STOP ON THE WALL OR FLOOR TO PREVENT THE DOOR FROM SWINGING UP AGAINST THE NEW PANEL.
13. SMOKE DETECTORS PROGRAMMED AS PART OF RECALL SYSTEM LOCATED AT TOP OF EACH ELEVATOR SHAFT AND ABOVE THE DOOR IN AN ACCESSIBLE LOCATION.

DWG. No.	REFERENCE DRAWINGS
E-1	BASEMENT LEVEL PLANS AND ELEVATOR #5
E-2	GROUND LEVEL BUILDING PLAN AND GROUND LEVEL GARAGE PLAN
E-3	GROUND LEVEL GARAGE PLAN AND SECOND LEVEL GARAGE PLAN
E-4	THIRD LEVEL GARAGE PLAN
E-5	THIRD LEVEL BUILDING PLAN AND FOURTH LEVEL GARAGE PLAN
E-6	FOURTH LEVEL BUILDING PLAN AND PLAZA
E-7	FIFTH LEVEL BUILDING PLAN
E-8	SIXTH LEVEL BUILDING PLAN
E-9	SEVENTH LEVEL BUILDING PLAN
E-10	EIGHTH LEVEL BUILDING PLAN
E-11	NINTH LEVEL BUILDING PLAN
E-12	TENTH AND PENTHOUSE LEVEL BUILDING PLANS
E-13	FIRE ALARM RISER DIAGRAM

NOTES:

KEY PLAN

FACILITY SERVICES & ENGINEERING, INC.
42 RIDGEBROOK DRIVE
COVENTRY, CT 06238-1343
TEL. (860) 742-4170
ELECTRICAL ENGINEER

FIRE ALARM SYSTEM UPGRADE

CITY OF STAMFORD GOVERNMENT CENTER

888 WASHINGTON BLVD.
STAMFORD, CT

REV.	DATE	DESCRIPTION	BY	CHK	APP
	1/24/08	ISSUED FOR BIDDING	JDS	JDS	JDS
	3/24/08	ISSUED FOR OWNER REVIEW	JDS	JDS	JDS
	5/14/08	ISSUED FOR OWNER REVIEW	JDS	JDS	JDS

STAMFORD GOVERNMENT CENTER
STAMFORD, CT.

FOURTH LEVEL BUILDING PLAN AND PLAZA

PROJ. No. STAMFORD GC FA | SCALE: AS NOTED

DWG. No. E-6

FILE: | REV