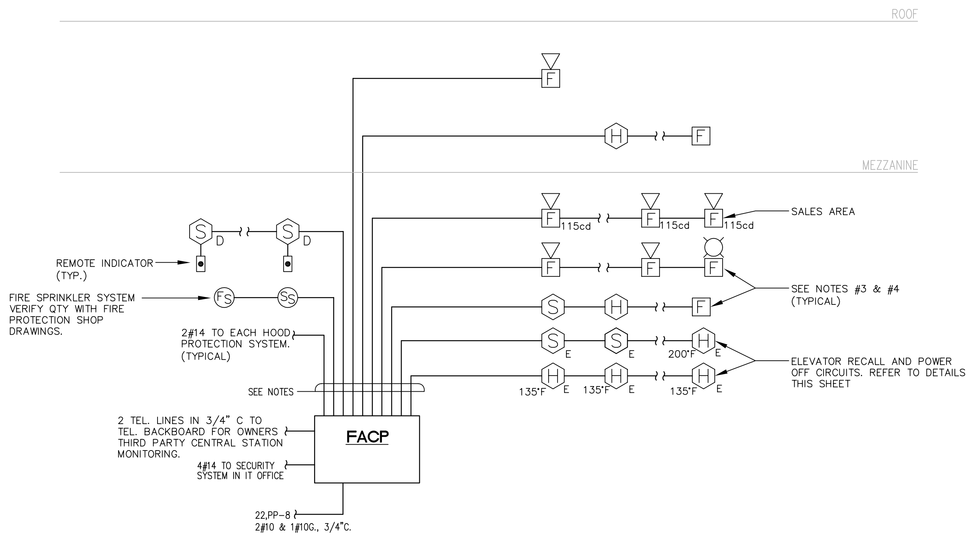


NOTES:

1. PROVIDE AN ADDRESSABLE FIRE ALARM SYSTEM COMPLETE WITH SYSTEM EQUIPMENT, TECHNICAL SUPPORT, SYSTEM PROGRAMMING, FINAL CONNECTIONS AND SYSTEM TESTING PER NFPA AND MANUFACTURER. CONTRACTOR SHALL INCLUDE IN HIS CONTRACT ALL COSTS ASSOCIATED WITH MANUFACTURERS SERVICES.

2. NOTIFY OWNER AND FIRE DEPARTMENT PRIOR TO ANY WORK BEING DONE ON THE FIRE ALARM SYSTEMS. THE CONTRACTOR SHALL NOT LEAVE THE FIRE ALARM SYSTEM IN "ALARM" OR "TROUBLE". THE CONTRACTOR SHALL BE RESPONSIBLE FOR ARMING/DISARMING THE FIRE ALARM SYSTEM AS REQUIRED BY THE WORK.

3. FIRE ALARM DEVICES INCLUDE MANUAL STATIONS, SMOKE DETECTORS, HEAT DETECTORS AND AUDIO/VISUAL NOTIFICATION EQUIPMENT. ALL DEVICES ARE NEW UNLESS OTHERWISE SHOWN. REFER TO FLOOR PLANS FOR ADDITIONAL QUANTITIES AND LOCATIONS OF FIRE ALARM DEVICES. DEVICES SHOWN ON THIS DRAWING ARE TYPICAL FOR SEVERAL OF THE SAME TYPE. WIRING IS SCHEMATIC. COORDINATE FINAL WIRING CONFIGURATIONS AND CONDUIT SIZING WITH THE SYSTEM VENDOR. IDENTIFY AND LABEL FIRE ALARM DEVICES WITH THE DEVICE# AND THE COMMUNICATION LOOP#. LABEL REMOTE INDICATORS WITH THE APPROPRIATE DEVICE NAME, DEVICE# AND LOOP#.

4. COORDINATE LOCATIONS AND MOUNTING HEIGHTS FOR ALL DEVICES WITH THE ARCHITECTURAL DOCUMENTS. UNLESS OTHERWISE SHOWN, INSTALL NOTIFICATION APPLIANCES AT 96" ABOVE FINISHED FLOOR (AFF) OR 6" BELOW THE CEILING, WHICHEVER IS LOWER. PULL STATIONS SHALL BE MOUNTED AT 48" AFF. MEASUREMENTS ARE TO THE TOP OF THE BACKBOX.

5. ALL WIRING SHALL BE RUN IN CONDUIT – 3/4" MINIMUM. WIRING SHALL BE GROUPED AND INSTALLED IN SEPARATE CONDUITS IN THE FOLLOWING MANNER: INITIATING DEVICE CIRCUITS, ADDRESSABLE COMMUNICATIONS, AUDIO/VISUAL NOTIFICATION CIRCUITS, VOICE COMMUNICATION CIRCUITS AND 120VAC POWER OR CONTROL.

6. WIRING FOR DEVICES SHALL BE AS FOLLOWS:

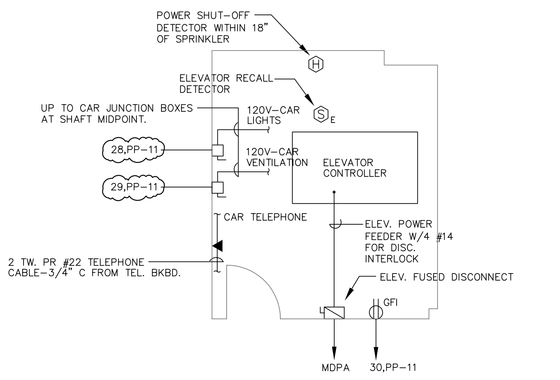
STROBES/HORNS (SYNCHRONIZED): 4#14
STROBES (SYNCHRONIZED): 2#14
ADDRESSABLE COMMUNICATION: 2 TWISTED SHIELDED PAIR #14
24VDC POWER: 2#14
MISC. CONTROLS: 2#14 OR AS NOTED.

7. FIRE ALARM DEVICES SHALL AS FOLLOWS:

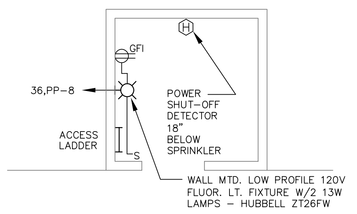
FIRE ALARM PANEL:	ADDRESSABLE MICROPROCESSOR BASED SYSTEM WITH A MINIMUM OF 120 INPUT/OUTPUT POINTS, ONE CLASS A/B SLC, TWO CLASS A/FOUR CLASS B NACS, POWER SUPPLY, BATTERIES AND UDACT IN SINGLE CABINET.
MANUAL STATIONS:	ADDRESSABLE MANUAL DOUBLE ACTION, RED CAST ALUMINUM HOUSING PROVIDE MANUFACTURERS MATCHING BACKBOX FOR SURFACE MOUNTING
HEAT DETECTOR:	135° FIXED TEMPERATURE SENSOR COMPATIBLE WITH DETECTOR BASE.
SMOKE DETECTOR:	PHOTOELECTRIC SENSOR COMPATIBLE WITH DETECTOR BASE.
DUCT DETECTOR:	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR W/DPDT RELAY, REMOTE INDICATOR/TEST STATION AND SAMPLING TUBES.
DETECTOR BASE:	LOW PROFILE WITH INTEGRAL ADDRESS CARD AND LOCKING MOUNT FOR SMOKE AND THERMAL SENSORS.
A/V DEVICE:	15/75cd SYNCHRONIZED STROBE WITH MATCHING HORN UNLESS SHOWN OTHERWISE PROVIDE MANUFACTURERS MATCHING BACKBOX FOR SURFACE MOUNTING.
RELAY PACK:	ADDRESSABLE FORM 'C' CONTACT RATED 2A @ 30VDC;.2A @ 120VAC

8. CONCEALED DETECTORS: PROVIDE REMOTE INDICATOR LAMP AND TEST SWITCH, IN A VISIBLE LOCATION, i.e. ON SUSPENDED CEILING, WITHIN TWENTY FEET OF DETECTORS. COORDINATE FINAL LOCATION IN THE FIELD. LABEL REMOTE LAMP WITH DEVICE NAME.

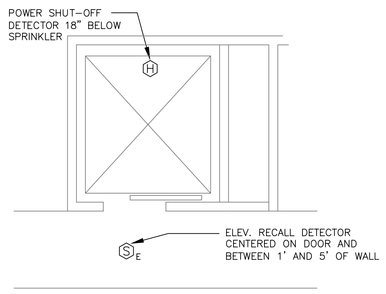
1 E6.02 **FIRE ALARM RISER DIAGRAM** N.T.S.



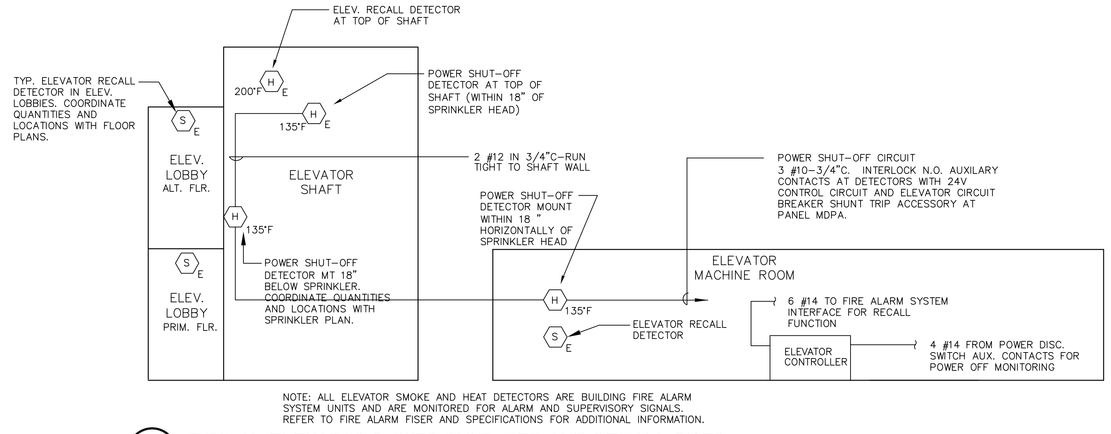
2 E6.02 **TYPICAL ELEVATOR MACHINE ROOM** N.T.S.



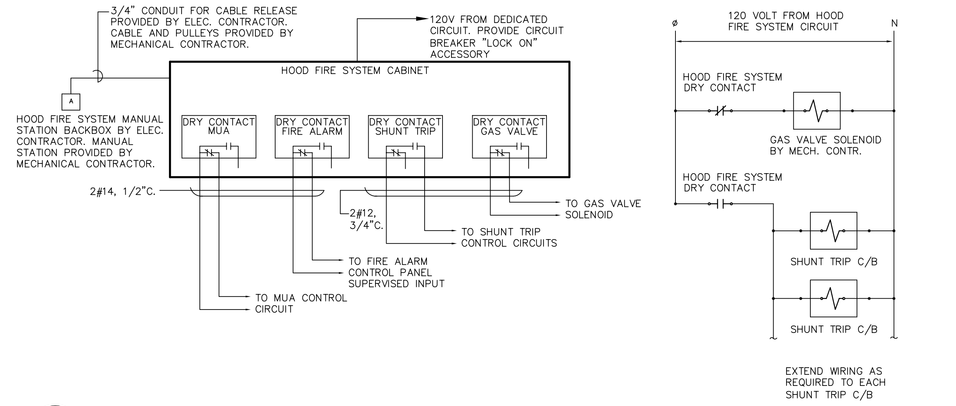
3 E6.02 **TYPICAL ELEVATOR PIT** N.T.S.



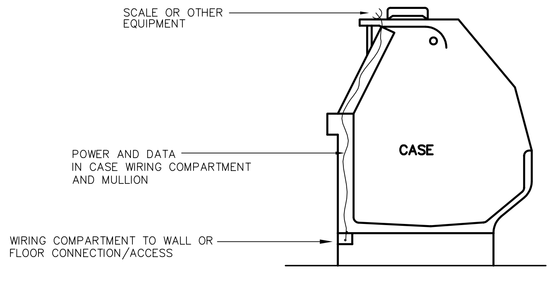
4 E6.02 **TYPICAL ELEVATOR LOBBY** N.T.S.



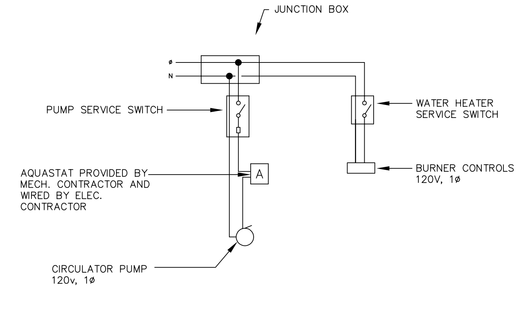
5 E6.02 **TYPICAL ELEVATOR POWER SHUT-OFF AND RECALL RISER** N.T.S.



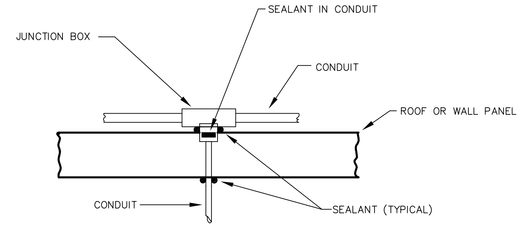
6 E6.02 **TYPICAL HOOD FIRE SUPPRESSION PANEL WIRING DIAGRAM** N.T.S.



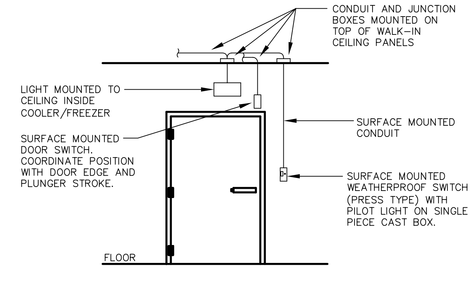
10 E6.02 **TYPICAL WIRING AT CASE** N.T.S.



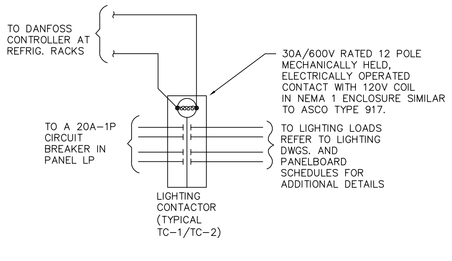
11 E6.02 **TYPICAL GAS WATER HEATER WIRING DIAGRAM** N.T.S.



12 E6.02 **TYPICAL FREEZER/COOLER PANEL PENETRATION** N.T.S.



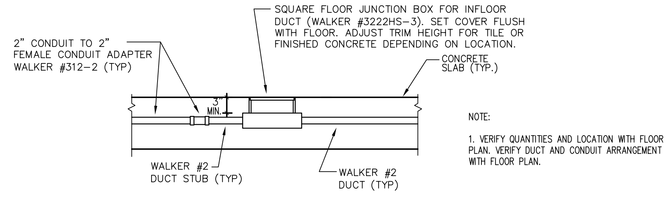
13 E6.02 **TYPICAL WALK-IN LIGHTING/DOOR SWITCH DIAGRAM** N.T.S.



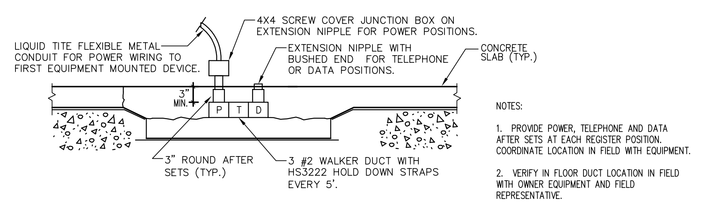
14 E6.02 **BUILDING LIGHTS CONTROL DETAIL** N.T.S.

NOTES:

1. CONTACTORS ARE LOCATED IN THE ELECTRICAL ROOM 232.



8 E6.02 **INFLOOR JUNCTION BOX DETAIL** N.T.S.



9 E6.02 **IN FLOOR DUCT DETAIL** N.T.S.

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355 Research Parkway
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(203) 630-2615 Fax

WHOLE FOODS MARKET

ISSUED FOR CONSTRUCTION

PROPOSED GROCERY STORE
2 SOMERSET STREET
PORTLAND, CUMBERLAND COUNTY, MAINE

No.	Date	Desc.

REVISIONS No.	Date	Desc.

ARCHITECT/ENGINEER SEAL

Designed	G.K.
Drawn	G.K.
Checked	J.W.L.
Approved	J.W.L.
Scale	AS NOTED
Project No.	04C0829
Date	04-24-06
CAD File	E04C0829L101

Title
ELECTRICAL RISERS AND DETAILS

Sheet No.
E6.02

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