

GENERAL SYSTEM NOTES

PANEL:

1. THE FIRE ALARM CONTROL PANEL (FACP) IS TO BE MOUNTED TO THE SURFACE. THE TOP OF THE PANEL SHALL NOT EXCEED 6 FEET ABOVE FINISHED FLOOR SURFACE. A MINIMUM CLEARANCE OF 36" WORKING SPACE SHALL BE MAINTAINED.
2. THE SUPPLEMENTAL NOTIFICATION APPLIANCE CONTROL PANEL (SNAC) IS TO BE MOUNTED SURFACE, BESIDE THE FACP. THE TOP OF THE PANEL SHALL NOT EXCEED 6 FEET ABOVE FINISHED FLOOR SURFACE. A MINIMUM CLEARANCE OF 36" WORKING SPACE SHALL BE MAINTAINED.
3. THE SNAC IS TO BE POWERED BY THE SAME DEDICATED 120 VAC CIRCUIT AS THE FACP. TWO CONDUCTORS TO 120 VAC, ONE CONDUCTOR TO ISOLATED GROUND, 20 AMP DEDICATED CIRCUIT. A HOUSE GROUND WILL NOT BE ACCEPTABLE.
4. NEITHER THE BOTTOM OF THE FACP NOR THE SNAC SHALL BE PENETRATED.

DEVICES:

1. ALL MANUAL PULL STATIONS SHALL HAVE THE TOP OF THE STATION AT 48 INCHES ABOVE THE FINISHED FLOOR.
2. ALL SIGNALING DEVICES SHALL HAVE THE BOTTOM OF THE DEVICE PLACED AT 80 INCHES ABOVE FINISHED FLOOR WITHIN THE SPACE, OR THE TOP OF THE DEVICE 6 INCHES BELOW THE CEILING, WHICHEVER IS LOWER.
3. THE AUDIBLE DEVICES SIGNAL SHALL BE SET TO THE TEMPORAL SETTING.
4. ALL DEVICES ARE TO BE LOCATED PER THE DRAWINGS.
5. WHEN APPLICABLE, VERIFY WITH MECHANICAL CONTRACTOR THE EXISTENCE AND LOCATION OF ALL MOTORIZED SMOKE DAMPERS. THESE ARE TO BE 120 VAC DEVICES ON AS FEW CIRCUITS AS POSSIBLE. THESE DEVICE CIRCUITS ARE TO BE CONTROLLED BY THE FACP THROUGH AN INTERFACING RELAY.
6. WHEN APPLICABLE, VERIFY WITH SPRINKLER CONTRACTOR ALL LOCATIONS OF THE SPRINKLER WATERFLOW, DRY FLOW, HI/LO AIR, TAMPER SWITCHES AND PIV OR O, S, & Y VALVES.
7. WHEN APPLICABLE, VERIFY WITH SPRINKLER CONTRACTOR THE EXISTENCE OF SPRINKLER HEAT TAPE. THIS HEAT TAPE SHALL BE MONITORED BY THE FACP AND SHALL REQUIRE AN APPROPRIATE RELAY THAT WILL PROVIDE SUPERVISION FOR HEAT TAPE GROUND FAULTS AND LOSS OF PRIMARY POWER.
8. WHEN APPLICABLE, VERIFY WITH SPRINKLER CONTRACTOR THAT ALL APPLICABLE INTERSTITIAL CEILING, ATTIC, OR FLOOR SPACES ARE PROTECTED WITH SPRINKLER HEADS.
9. ALL SPRINKLER WATERFLOW ZONES SHALL BE NON-SILENCEABLE PER U.L. 864. THE CONDITION MUST BE RETURNED TO A NORMAL CONDITION BEFORE THE FACP CAN BE SILENCED.

WIRING:

1. TWO DEDICATED PHONE LINES TO BE INSTALLED BY OWNER TO TRANSMITTER.
2. ALL AUDIBLE / VISUAL CIRCUITS ARE TO BE 14 AWG FPL WIRE. (RISER OR PLENUM RATED WIRE WHERE REQUIRED PER NEC).
3. AUDIBLE / VISUAL CIRCUITS ARE TO HAVE AN END OF LINE RESISTOR (ELR) AS APPROPRIATE WITH THE FACP / SNAC.
4. THE DETECTION COMMUNICATION LOOP IS TO BE 16 AWG TWISTED, NON-SHIELDED, MID-CAP FPL WIRE. (RISER OR PLENUM RATED WIRE WHERE REQUIRED PER NEC).
5. THE DETECTION COMMUNICATION LOOP DOES NOT REQUIRE AN ELR AT THE END OF THE CIRCUIT.
6. WIRE TO WEATHERPROOF DEVICES SHALL BE STUBBED OUT ONLY. SURFACE WEATHERPROOF BACK BOXES SHALL BE PROVIDED WITH DEVICES.
7. ALL FIRE ALARM WIRES ARE REQUIRED TO BE IDENTIFIED AND APPROPRIATELY MARKED.
8. PER NEC, NO AC VOLTAGE WIRING OF ANY KIND SHALL BE RUN IN THE SAME CONDUIT OR RISER AS THE LOW VOLTAGE FIRE ALARM SYSTEM WIRING.
9. ALL JACKETED CABLE MUST INCLUDE A JACKET REMOVAL PULL STRING AS PART OF THE CABLE.
10. SHIELDED CABLE IS NOT AN ACCEPTABLE SUBSTITUTION FOR CABLE WITHOUT "SHIELDED" AS PART OF THE DESCRIPTION.

GENERAL:

1. ALL FIRE ALARM JUNCTION BOXES ARE TO BE PAINTED RED.
2. ALL END OF LINE DEVICES SHALL HAVE AN IDENTIFYING E.O.L. STICKER AT THE E.O.L. LOCATION.
3. ONLY CONDUCTORS INTENDED FOR TERMINATION TO THE SPECIFIC DEVICE ON ANY GIVEN JUNCTION BOX SHALL BE LEFT OPEN FOR TERMINATION IN THAT JUNCTION BOX. ALL OTHER CONDUCTORS SHALL PASS THROUGH, OR BE SPICED THROUGH, THAT JUNCTION BOX.

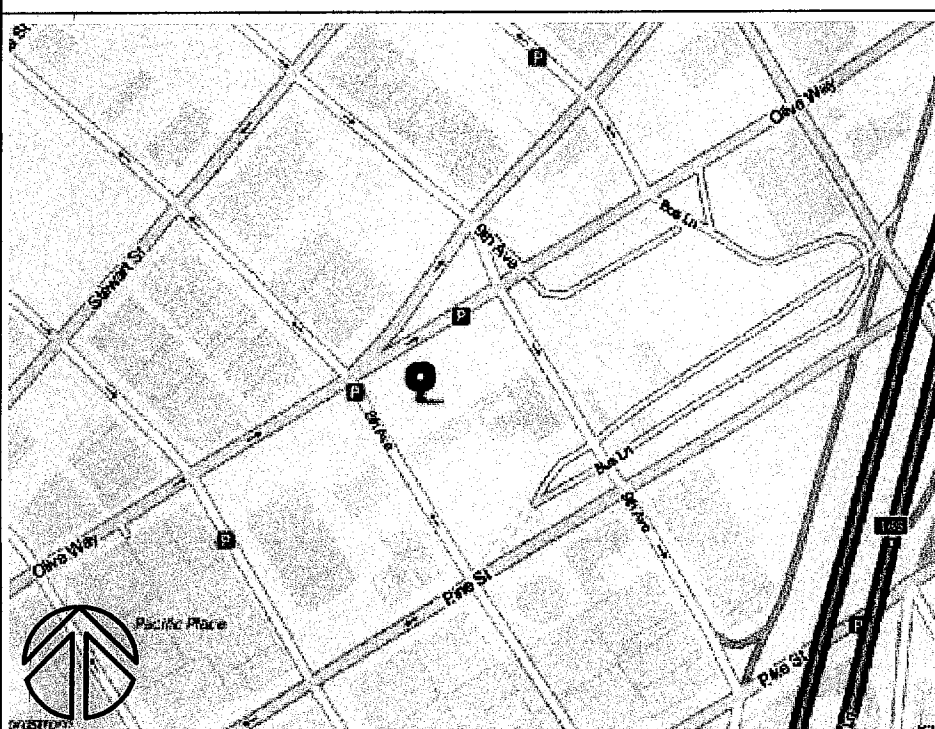
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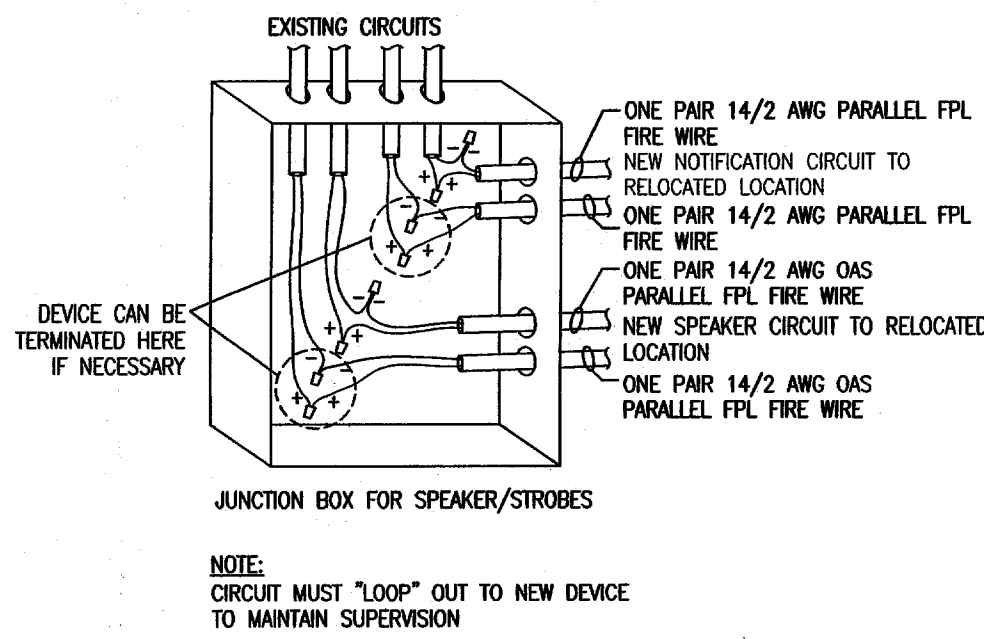
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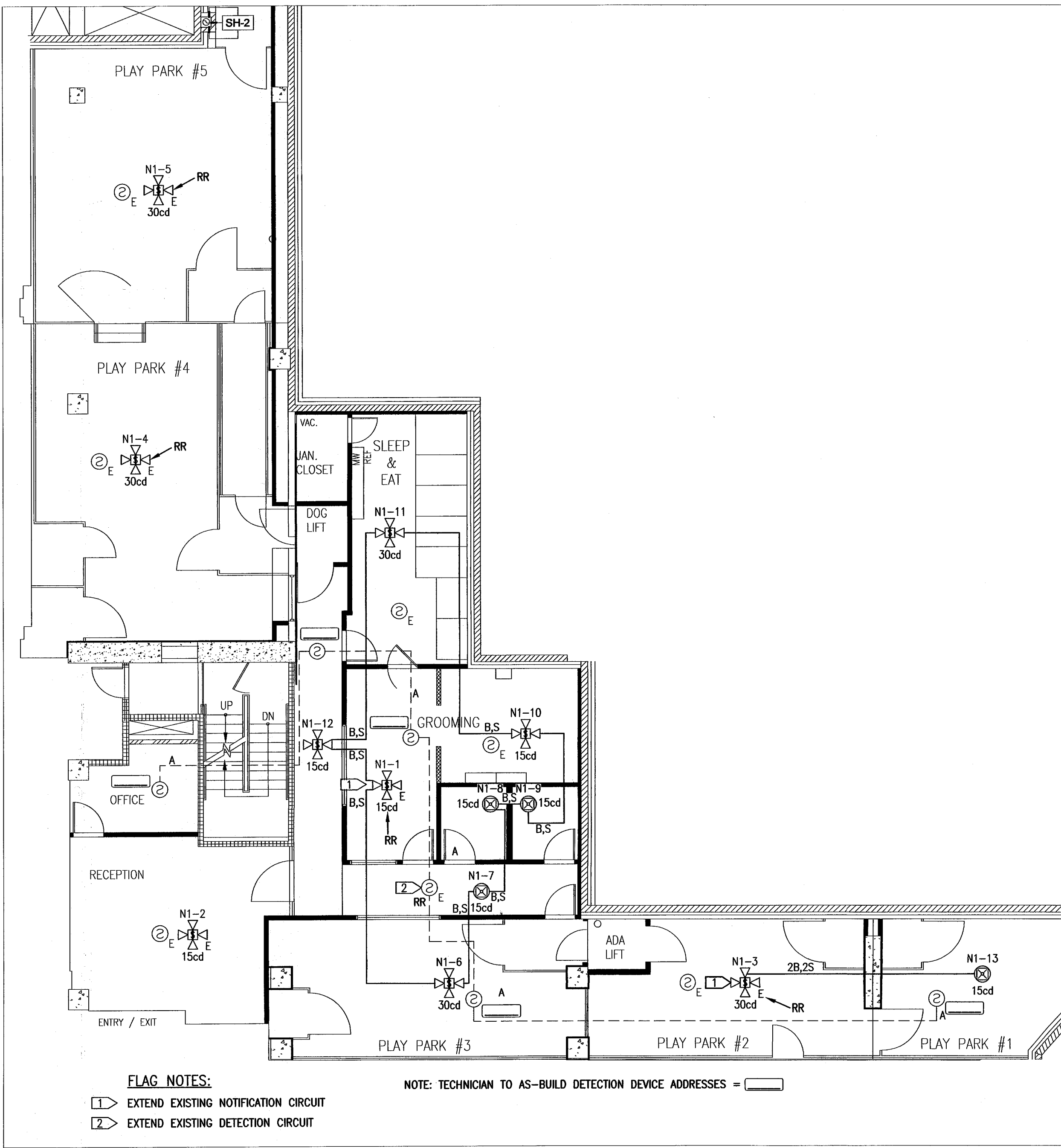
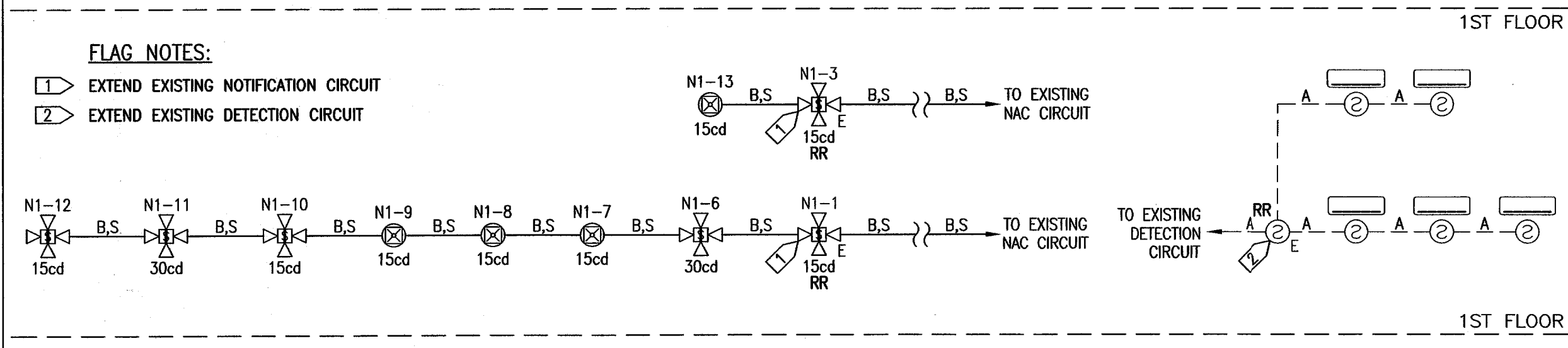
SITE MAP



NOTIFICATION WIRING DETAIL



FIRE ALARM RISER



PARTIAL 1ST FLOOR PLAN

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

DEVICE LEGEND

| MANUFACTURER | MODEL NUMBER | DESCRIPTION | BACK BOX | SYMBOL | QUANTITY |
|--------------|--------------|--------------------------------|----------------------|--------|----------|
| EDWARDS | SIGA-IS | IONIZATION SMOKE DETECTOR | 4 SQR W/ 3-0 RING | ⊙ | 5 |
| BOSCH | E90-24MCC-FW | SPEAKER STROBE - CEILING MOUNT | 4-SQR or DOUBLE-GANG | ⊙ | 4 |
| WHEELLOCK | RSS-24MCC-FW | STROBE - CEILING MOUNT | 4-SQR or DOUBLE-GANG | ⊙ | 4 |

WIRE LEGEND

| ABSCO DESIGNATION | DESCRIPTION | MANUFACTURER | MODEL NUMBER NON-PLENUM | MODEL NUMBER PLENUM | MODEL NUMBER BURIAL |
|-------------------|---|-----------------|-------------------------|---------------------|---------------------|
| A | 16/2 TWISTED FPL FIRE WIRE, NON-SHIELDED | WINDY CITY WIRE | 728100-B | 761360-B | |
| B | 14/2 PARALLEL FPL FIRE WIRE, NON-SHIELDED | WINDY CITY WIRE | 729100-S | 767960-S | |
| S | 14/2 TWISTED FPL FIRE WIRE, SHIELDED | WINDY CITY WIRE | 712100-S | 767922-S | |

GENERAL SYSTEM LEGEND

| NOTIFICATION DEVICE ID | INITIATING DEVICE ID | WIRE ID | ABBREVIATIONS |
|------------------------|----------------------|---|---|
| NOTIFICATION DEVICE # | DEVICE ADDRESS # | REFERENCE WIRE LEGEND-ABSCO DESIGNATION | E = EXISTING N = NEW RR = REMOVE & RELOCATE DEVICE W = WIRELESS cd = CANDLEA RATING mA = MILLIAMPS V = VOLTAGE ELR/EOL = END OF LINE |

FACP BATTERY CALCULATIONS

| BATTERY STANDBY REQUIREMENTS | | Standby Current | | Alarm Current | |
|------------------------------|---------|-----------------------------------|-------|---------------|-------|
| B.C. | Code | Each | Total | Each | Total |
| 5 | SIGA-IS | 0.009 | 0.045 | 0.018 | 0.09 |
| Total Standby Current: 0.045 | | Total Alarm Current: 0.09 | | | |
| X standby hours needed: 24.0 | | X fraction of hours needed: 0.083 | | | |
| Total: 1.08 | | Total: 0.0975 | | | |
| Total Standby: 1.08 | | + total alarm: 0.0975 | | | |
| Total: 1.0875 | | Total: 1.0875 | | | |
| X d-factor: 1.2 | | Total Amp hour needed: 1.305 | | | |

NAC BATTERY CALCULATIONS

| BATTERY STANDBY REQUIREMENTS | | Standby Current | | Alarm Current | |
|------------------------------|-------------------|-----------------------------------|-------|---------------|-------|
| B.C. | Code | Each | Total | Each | Total |
| 4 | E90-24MCC-SPKSTRB | 0 | 0 | 0.105 | 0.42 |
| 4 | RSS-24-MCW- | 0 | 0 | 0.07 | 0.28 |
| Total Standby Current: 0 | | Total Alarm Current: 0.7 | | | |
| X standby hours needed: 24.0 | | X fraction of hours needed: 0.083 | | | |
| Total: 0 | | Total: 0.581 | | | |
| Total Standby: 0 | | + total alarm: 0.581 | | | |
| Total: 0.581 | | Total: 0.581 | | | |
| X d-factor: 1.2 | | Total Amp hour needed: 0.697 | | | |

PLAN APPROVED SRA3533 AP20
SUBJECT TO ORDINANCE REQUIREMENTS OF PLAN REVIEW
AND FIELD INSPECTION. CALL 386-1443 FOR FIELD INSPECTION.
HAVE COPY OF APPROVED PLAN AT JOB SITE.
CHIEF OF FIRE DEPARTMENT
BY CS DATE 6/10/13

Firm Name and Address

ABSCO

P.O. BOX 2246
LYNNWOOD, WA 98036
PH: 425.771.1166
FAX: 425.771.4422
www.abscocalarms.com

Project Name and Address

CITY DOG

809 OLIVE WAY STE #TBD

SEATTLE, WA 98101

FIRE ALARM ONLY

6383190

SHEET 1 OF 1

LEGENDS, DETAIL, FIRE ALARM PLANS

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