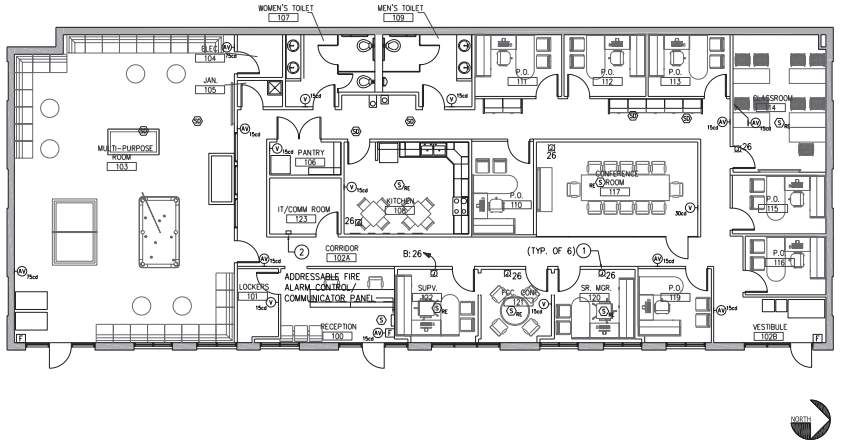


1 Fire Alarm Plan

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

GENERAL NOTES:

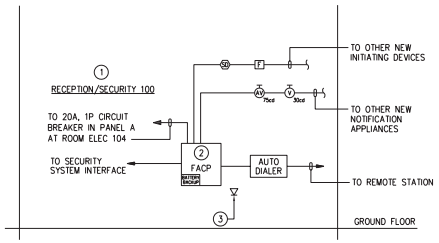
1. PROVIDE STAND ALONE, INDEPENDENT FIRE ALARM SYSTEM FOR THE AREA WITHIN THE PROJECT SCOPE. AT PRESENT, AN ADDRESSABLE FIRE ALARM SYSTEM AS MANUFACTURED BY "FIRELITE" MODEL 9200UD WITH INTEGRAL COMMUNICATOR SERVES THE ENTIRE BUILDING.
2. THE CONTRACTOR SHALL PREPARE FIRE ALARM SYSTEM SHOP DRAWINGS FOR SUBMISSION TO FIRE PROTECTION DIVISION OF DCRA/BLRA FOR REVIEW AND APPROVAL TO THE REQUIREMENTS AND SHALL INCLUDE, BUT ARE NOT LIMITED TO EQUIPMENT CUT SHEETS, SEQUENCE OF OPERATION, BATTERY CALCULATION, CIRCUIT CAPACITY CALCULATIONS, WIRING DIAGRAMS, RISER DIAGRAM AND FLOOR PLAN. THE FLOOR PLANS SHALL SHOW WALLS, DOORS, ROOM NAMES AND FIRE ALARM DEVICES OR EQUIPMENT ONLY. NO OTHER DEVICES, FIXTURES OR SYSTEMS SHALL BE SHOWN ON THESE PLANS. THE SHOP DRAWING SHALL BE SIGNED BY A LICENSED FIRE ALARM TECHNICIAN WITH A MINIMUM OF A NICET LEVEL 3 CERTIFICATION.
3. PROVIDE FIRE ALARM INTERFACE HARDWARE AND WIRING TO ALL ELECTRICALLY DOORS, TO RELEASE DOORS DURING FIRE ALARM.
4. CONTRACTOR SHALL PROVIDE A UNIT PRICE TO FURNISH AND INSTALL FIRE ALARM VISUAL (STROBE) DEVICES AS MAYBE REQUIRED BY BLRA/FIRE PROTECTION DIVISION. FOR ANY RELOCATIONS HE/SHE REQUESTS, WITHIN SCOPE OF WORK AREAS.

DRAWING NOTES:

(1) JUNCTION BOX FOR MOTORIZED SMOKE DAMPER. SMOKE DETECTOR WITH AUXILIARY RELAY SHALL BE INTERLOCKED WITH RELAY SO THAT ACTIVATION OF THE SMOKE DETECTOR SHALL CLOSE DAMPER IN THE DUCTWORK SERVING THE SPACE.

(2) PROVIDE FIRE ALARM SYSTEM FORM C RELAY OUTPUT MODULE PROGRAMMED TO ACTIVATE UPON FIRE ALARM. FIELD COORDINATE FOR EXACT LOCATION.

FIRE ALARM RISER DIAGRAM



DRAWING NOTES:

(1) FIRE ALARM WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE LOCAL & NATIONAL CODES AND REGULATIONS.

(2) NEW ADDRESSABLE FIRE ALARM CONTROL/ COMMUNUNICATOR PANEL. FIRE LITE ALARMS MS-9200UDLS, 120V, 3A WITH TWO (2) 12V 18AH LEAD-ACID BATTERIES. PROVIDE PANEL WITH ADDRESSABLE MONITOR MODULE (MMF-300) AND ADDRESSABLE RELAY MODULE (CRF-300).

(3) PROVIDE DEDICATED PHONE LINE DIRECTLY FROM TELEPHONE COMPANY.

NOTES:

1. INSTALLATION OF THE FIRE ALARM DEVICES AND FIRE ALARM CONTROL PANEL SHALL BE PERFORMED BY A LICENSED FIRE ALARM SYSTEM CONTRACTOR.
2. ELECTRIC DOOR LOCKS IS PROVIDED IN VARIOUS AREAS THROUGHOUT THE BUILDING. UPON INITIATION OF A FIRE ALARM CONDITION, A SIGNAL SHALL BE TRANSMITTED TO THE SECURITY SYSTEM TO UNLOCK THESE DOORS AS REQUIRED FOR SAFE EVACUATION.
3. PERFORM PROGRAMMING FOR FIRE ALARM CONTROL PANEL AS REQUIRED.
4. ALL WIRING SHALL BE IN CONDUITS MINIMUM 3/4" SIZE.
5. PROVIDE COMPLETE SYSTEM TO INCLUDE ALL METERIALS, DEVICES AND COMPONENTS AS REQUIRED FOR COMPLETE OPERATIONAL SYSTEM. PROVIDE INTERFACE, INTERLOCK AS REQUIRED TO HVAC, SECURITY SYSTEMS.
6. PROVIDE AUTO DIALER (DIGITAL ALARM COMMUNICATOR TRANSMITTER) AS REQUIRED TO AUTOMATICALLY TRANSMIT ALL ALARM, SUPERVISORY AND TROUBLE SIGNAL TO REMOTE ALARM RECEIVING STATION.
7. PROVIDE FACP WITH BATTERIES, AUTOMATIC BATTERY CHARGER AND AUTOMATIC TRANSFER SWITCH.
8. VISUAL NOTIFICATION DEVICES SHALL HAVE FIELD SELECTABLE LIGHT OUTPUT.

AUXILIARY SYSTEMS

F	FIRE ALARM MANUAL PULL STATION.
15cd V H	FIRE ALARM VISUAL DEVICE, WALL MOUNTED AT 80" AFF OR 6" BELOW CEILING WHICHEVER IS LOWER. NUMBER INDICATES CANDELA RATING.
15cd AV H	FIRE ALARM AUDIO-VISUAL DEVICE, WALL MOUNTED AT 80" AFF OR 6" BELOW CEILING WHICHEVER IS LOWER. NUMBER INDICATES CANDELA RATING.
S	PHOTOELECTRIC SMOKE DETECTOR.
S RC	SMOKE DETECTOR WITH AUXILIARY RELAY.
SD	DUCT SMOKE DETECTOR.

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PROJECT

Construction Documents for Interior Improvement to:
South Capitol Street B.A.R.J. Drop-In Center
Project Title

District of Columbia Courts
Client Name

B.A.R.J. Drop-In Center
1215 Capitol St. SW
Washington D.C. 20003
Building Address

KEYPLAN

SUBMISSION

ISSUED FOR	DATE
100% CD REVIEW	01.07.2011
PERMIT AND BID	02.04.2011
FOR CONSTRUCTION	04.06.2011

APPROVALS	DATE

REVISIONS

NO.	DESCRIPTION	DATE	BY

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Accepted By:

Joseph E. Sanchez, Jr.
Capital Projects and Facilities Management Officer
Contracting Officer
District of Columbia Courts

TITLE

B.A.R.J. Drop-In Center

Fire Alarm Plan

Date: 04/08/11
Scale: 1/8"=1'-0"
Checked by: KP
Drawn by: FD
Planned By: FD

Contractors to Verify Dimensions on Site
Do Not Scale this Drawing

SHEET

Loring Job No: 8240-100

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