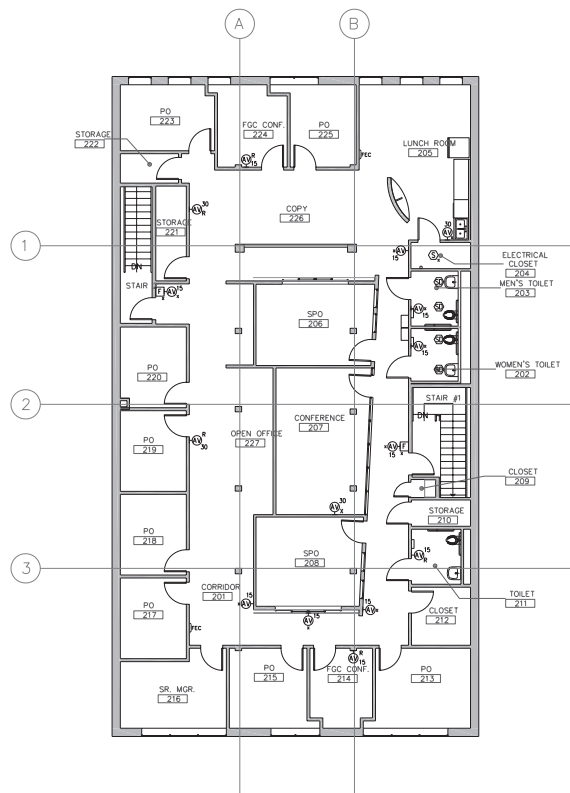
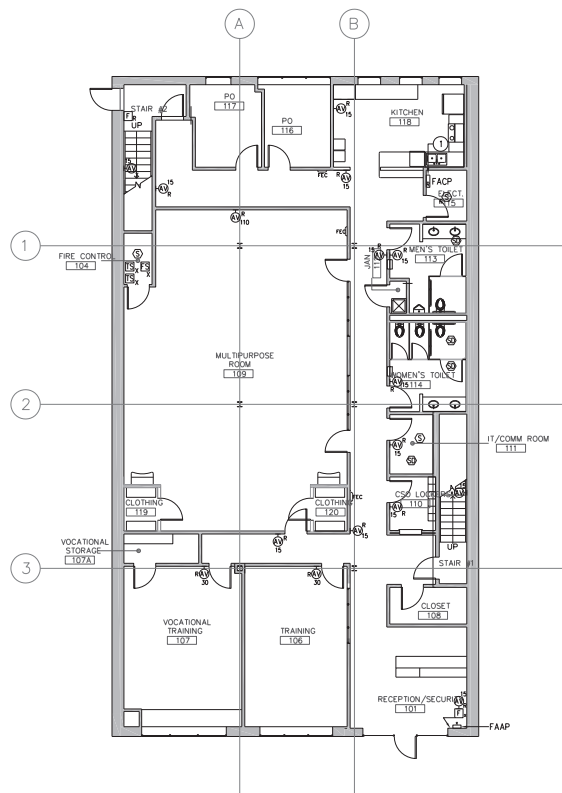


Scale: 1/8" = 1'-0"



1 1st Floor Electrical Fire Alarm Plan



General Notes

1. FIRE ALARM SYSTEM DEVICES WHICH ARE WITHIN THE SAME LINE OF SIGHT SHALL BE SYNCHRONIZED. CONTRACTOR SHALL COORDINATE WITH THE BUILDING FIRE ALARM SYSTEM EQUIPMENT AND SYSTEM MANUFACTURER TO PROVIDE A SUFFICIENTLY LARGE, CLEAR, UNCLUTTERED INTERFACE, ACCESSORIES, MODULUES, POWER SUPPLY, ETC. AS REQUIRED TO PROVIDE SYNCHRONIZATION.
2. CONNECT NEW FIRE ALARM DEVICES TO EXISTING FIRE ALARM DEVICES, ADDRESS, ADDRESS CODES AND IN ACCORDANCE WITH BASE BUILDING SPECIFICATIONS. COORDINATE WITH THE BUILDING ENGINEER. PROVIDE NEW ADA COMPLIANT VISUAL ALARM STROBES AS INDICATED IN THE DRAWINGS. PROVIDE AN ALTERNATE PRICE TO PROVIDE BOOSTER PANEL TO EXISTING FIRE ALARM SYSTEM TO ACCOMMODATE THE ADDITION OF NEW FIRE ALARM STROBE DEVICES AS REQUIRED. NOTIFY OWNER'S REPRESENTATIVE.
3. THE CONTRACTOR SHALL PREPARE FIRE ALARM SYSTEM SHOP DRAWINGS FOR SUBMITTAL TO THE BUILDING DIVISION OF DORA/BLRA FOR REVIEW AND APPROVAL TO THE REQUIREMENTS AND SHALL INCLUDE, BUT ARE NOT LIMITED TO, EQUIPMENT, WIRING, SEQUENCE OF OPERATION, BATTERY CALCULATION, CIRCUIT CAPACITY, SEQUENCE, WIRING, AND RISER DIAGRAM AND FLOOR PLAN. THE FLOOR PLANS SHALL SHOW WALLS, DOORS, WINDOWS, AND FIRE ALARM DEVICES OR EQUIPMENT ONLY. NO OTHER DEVICES, FIXTURES OR SYSTEMS SHALL BE SHOWN ON THESE. THE SHOP DRAWINGS SHALL BE SIGNED BY LICENSED FIRE ALARM TECHNICIAN WITH A MINIMUM OF A NICET LEVEL 3 CERTIFICATION.
4. CONTRACTOR SHALL PROVIDE A LUMP SUM PRICE TO PROVIDE ADDITIONAL ALARM DEVICES AS MAY BE REQUIRED BY FIRE MARSHAL'S INSPECTION AND FOR ANY OTHER USES HE/SHE REQUESTS, WITHIN SCOPE OF WORK AREA.

Drawing Notes

- ① RELOCATED FIRE ALARM CONTROL PANEL AND ASSOCIATED FIRE ALARM PANELS. EXTEND EXISTING FIRE ALARM WIRING TO NEW FIRE ALARM CONTROL PANEL LOCATION.

Fire Alarm Symbols

- 1 MANUAL FIRE ALARM PULL STATION MOUNTED AT +45° AFF.
- 2 WALL MOUNTED COMBINATION FIRE ALARM SPEAKER (VOICE EVACUATION) AND VISUAL DEVICE COMPLYING WITH NFPA 72 REQUIREMENTS. NUMBER INDICATES CANDELA RATING. MOUNTED 8' AFF OR 6' BELOW CEILING WHICHEVER IS LOWER.
- 3 WALL MOUNTED FIRE ALARM VISUAL DEVICE, MOUNTED 8' AFF OR 6' BELOW CEILING WHICHEVER IS LOWER. NUMBER INDICATES CANDELA RATING.
- 4 SMOKE DETECTOR
- 5 SMOKE DETECTOR WITH AUXILIARY RELAY FOR ELEVATOR RECALL
- 6 WALL MOUNTED SMOKE DETECTOR WITH AUXILIARY RELAY FOR ELEVATOR RECALL
- 7 DUCT SMOKE DETECTOR
- 8 HEAT DETECTOR
- 9 HEAT DETECTOR WITH AUXILIARY RELAY FOR ELEVATOR RECALL
- 10 WALL MOUNTED HEAT DETECTOR WITH AUXILIARY RELAY FOR ELEVATOR RECALL
- 11 FLOW SWITCH
- 12 TAMPER SWITCH

FIRE ALARM DEVICES LEGEND:

- X INDICATES DEVICE IS EXISTING TO
REMAIN
R INDICATES RELOCATED DEVICE
FAAP FIRE ALARM ANNUNCIATOR PANEL
FACP FIRE ALARM CONTROL PANEL

GRUZEN SAMTON
1505 Prince Street
Alexandria, VA 22314-2874
t. 703.836.9600
f. 703.836.2484
www.gruzensamton.com

L R I N G
CONSULTING ENGINEERS

1115 CONCORD RD. NW STE 70
BETHESDA, MD 20814-3910
TEL (202) 296-6183
FAX (202) 296-6955
WWW.LORINGENGINEERS.COM

JOSEPH R. LORING & ASSOCIATES, INC.

PROJECT

**Interior Improvements for:
Balanced and Restorative Justice
Drop-In Center 4**

District of Columbia Courts

**B.A.R.J Drop-In Center - Social Services Division
118 Q St. NE
Washington DC 20002**

KEY	Project Title	Client Name	Building Address
-----	---------------	-------------	------------------



SUBMISSION	ISSUED FOR		DATE
	Final Construction Documents		09/11/2012
APPROVALS			DATE
REVISIONS	NO.	DESCRIPTION	DATE

This drawing and the design shown hereon are the property of Grazeur Samton. The reproduction, copying, or other use of the drawing without their written consent is prohibited and any infringement will be subject and any infringement will be subject to legal action.

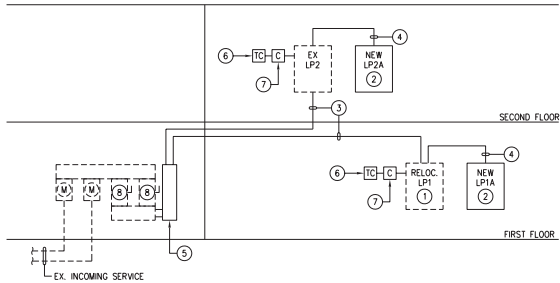
Joseph E. Sanchez, Jr.
Capital Projects and Facilities Management Officer
Contracting Officer
District of Columbia Courts

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

Electrical Fire Alarm Plans

Date: 10/31/12
Scale: As indicated
Checked by: KP
Drawn by: RT
Planned by: RT

Contractors to Verify
Dimensions on Site
Do Not Scale this
Drawing



POWER RISER DIAGRAM - NEW WORK

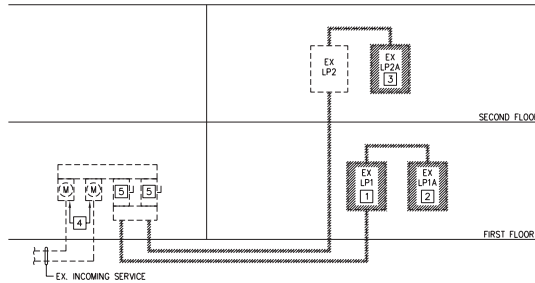
SCALE: NOT TO SCALE

POWER RISER LEGEND:

- SOLID LINE INDICATES NEW WIRE OR EQUIPMENT
- - - DASHED LINE INDICATES EXISTING WIRE OR EQUIPMENT TO REMAIN

POWER RISER NOTES - DEMOLITION:

- 1 RELOCATED PANEL LP1 400A, 208/120V, 3ø, 4W, MLO.
- 2 NEW PANEL 100A, 208/120V, 3ø, 4W, 42 POLES MLO WITH FULLY RATED NEUTRAL BUS AND ISOLATED GROUND BUS. ALL BUS SHALL BE COPPER. BREAKERS SHALL BE BOLT-ON. PROVIDE 1ø INSULATED GROUNDING CONDUCTOR FROM ISOLATED GROUND BUS TO EQUIPMENT GROUND BUS IN THIS PANEL.
- 3 4#500KCM + 1#2 G IN 4" C.
- 4 4#1 + 1#8 G IN 1 1/2" C.
- 5 NEW NEMA 3R WIRE TROUGH, SIZE PER NEC.
- 6 NEW ELECTRONIC TIME CLOCK FOR LIGHTING, INTERMATIC ET1725C IN NEMA 1 ENCLOSURE.
- 7 NEW LIGHTING CONTACTOR, 12 POLE, 120V, OUTLER-HAMMER EC02C41ABA. CONNECT CONTACTOR CONTROL CIRCUIT TO RECEPTACLE CIRCUIT INSIDE THE ELECTRICAL ROOM.
- 8 EXISTING SERVICE DISCONNECT SWITCH TO REMAIN. PROVIDE NEW FEEDER WIRING VIA NEW WIRE TROUGH AS REQUIRED.



POWER RISER DIAGRAM - DEMOLITION

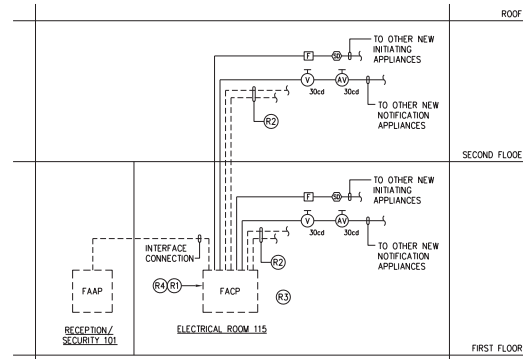
SCALE: NOT TO SCALE

POWER RISER LEGEND:

- - - DASHED LINE INDICATES EXISTING WIRE OR EQUIPMENT TO REMAIN
- - - - - DASHED LINE WITH HASHMARK INDICATES EXISTING WIRE OR EQUIPMENT TO BE REMOVED OR RELOCATED AS NOTED

POWER RISER NOTES - DEMOLITION:

- 1 EXISTING PANEL LP1 TO BE RELOCATED, PROTECT FROM DAMAGED. TRACE, IDENTIFY AND TAG EXISTING CIRCUITS TO REMAIN FOR RECONNECTION TO NEW PANEL LP1A. EXTEND WIRING TO NEW PANEL LOCATION. PROVIDE PULLBOX AS REQUIRED.
- 2 EXISTING PANEL LP1A TO BE REMOVED. TRACE, IDENTIFY AND TAG EXISTING CIRCUITS TO REMAIN FOR RECONNECTION TO NEW PANEL LP1A. EXTEND WIRING TO NEW PANEL LOCATION. PROVIDE PULLBOX AS REQUIRED.
- 3 EXISTING PANEL LP2A TO BE REMOVED. TRACE, IDENTIFY AND TAG EXISTING CIRCUITS TO REMAIN FOR RECONNECTION TO NEW PANEL LP2A. PROVIDE PULLBOX AS REQUIRED.
- 4 EXISTING METER
- 5 EXISTING 400A SERVICE DISCONNECT SWITCH WITH 400A CIRCUIT BREAKER.



FIRE ALARM RISER DIAGRAM

SCALE: NOT TO SCALE

FIRE ALARM RISER NOTES:

- R1 RELOCATED ADDRESSABLE FIRE ALARM CONTROL/COMMUNICATOR PANEL.
- R2 TO EXISTING FIRE ALARM DEVICES. EXTEND WIRING TO NEW FACP LOCATION.
- R3 FIRE ALARM WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE LOCAL & NATIONAL CODES AND REGULATIONS.
- R4 PERFORM SYSTEM PROGRAMMING AS REQUIRED TO INCLUDE BUT NOT LIMITED TO REVISED TENANT SPACE DESIGNATIONS.

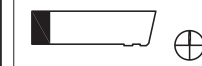


GRUZEN SAMTON a/c/18022 1/p
1505 Prince Street
Alexandria, VA 22314-2074
T 703.676.6600
F 703.676.6644
www.gruzensamton.com

CONSULTING ENGINEERS
L R I N G
JOSEPH R. LORING & ASSOCIATES, INC.
1100 UNIVERSITY AVENUE, SUITE 200
ALEXANDRIA, VA 22304
TEL: 703.676.6600
FAX: 703.676.6644
WWW.LORINGENGINEERS.COM

**Interior Improvements for:
Balanced And Restorative Justice
Drop-In Center 4**
District of Columbia Courts
B.A.R.J Drop-In Center - Social Services Division
118 Q St. NE
Washington DC 20002

Project Title
Client Name
Building Address



ISSUED FOR
Final Construction Documents
DATE
08/11/2012

APPROVALS
DATE

NO. DESCRIPTION DATE BY

NO. DESCRIPTION DATE BY

This drawing and the design shown herein are the property of Gruzen Samton. The reproduction, copying, or other use of the drawing without their written consent is prohibited and any infringement will be subject and any infringement will be subject to legal action.
Accepted By:
Joseph E. Sanchez, Jr.
Capital Projects and Facilities Management Officer
Consulting Officer
District of Columbia Courts

B.A.R.J. Drop-In Center
POWER & FIRE ALARM RISER
DIAGRAMS

Date: 10/31/12
Scale: NTS
Checked by: RP
Drawn by: RT
Planned by: RT

Contractors to verify
Dimensions on Site
Do Not Scale this
Drawing