

HOLDING CELL
IMPROVEMENTS

FITCHBURG DISTRICT
COURTHOUSE

100 ELM ST
FITCHBURG MA 01420

OWNER

The Commonwealth of Massachusetts
Executive Office of the Trial Court
Office of Court Management
Facilities Management & Capital Planning
3 Pemberton Square , Room 106
Boston, MA 02108

Architect

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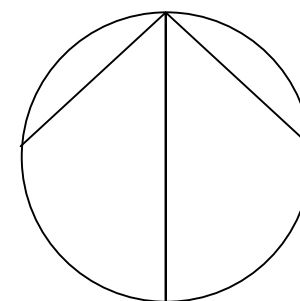
MECH ENGINEERS

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44 Central Street
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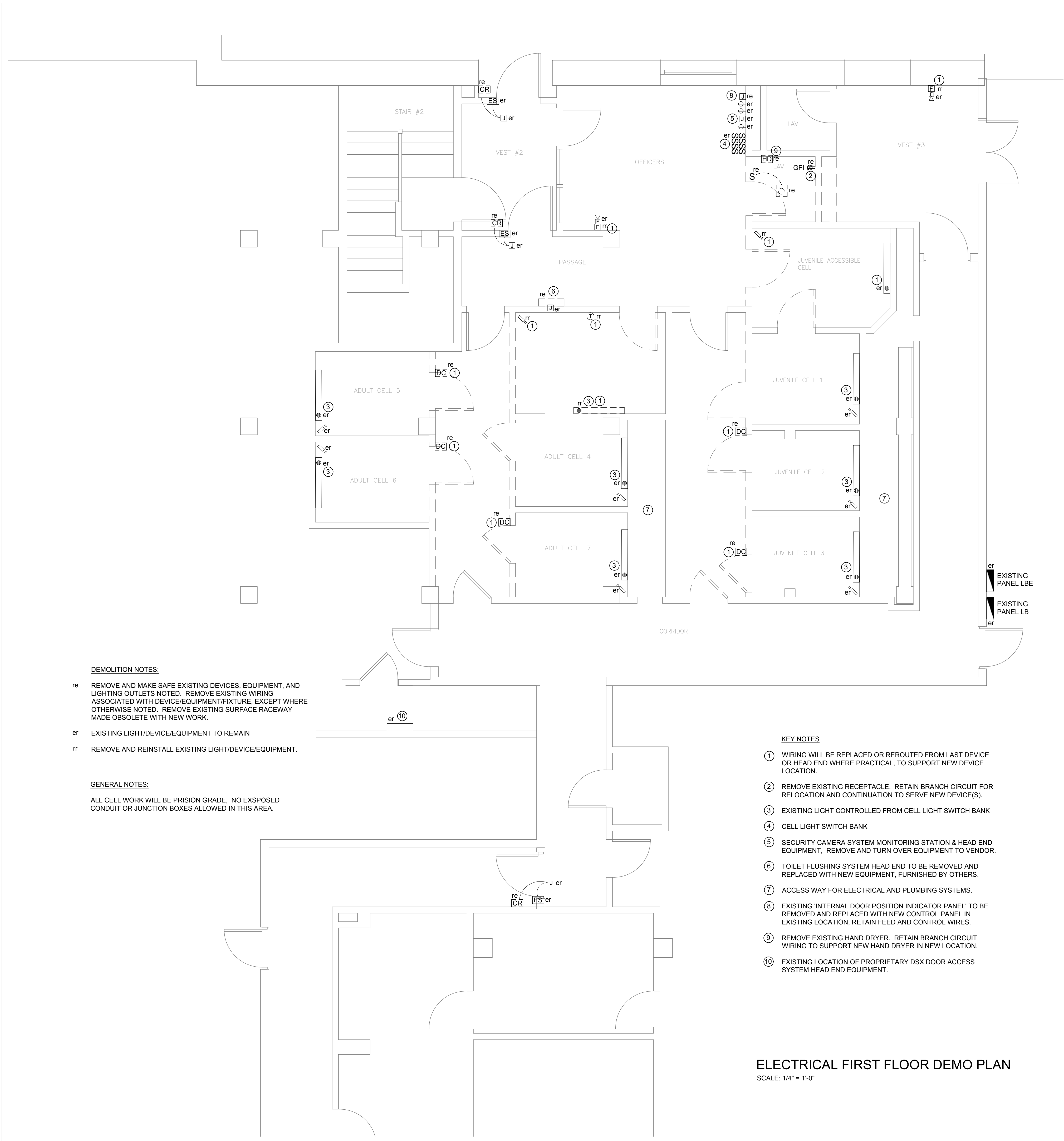
North



Job No.:	TRC1704TR1
Date:	January 12, 2018
Scale:	as noted
File:	
Title:	

plan
ED-1

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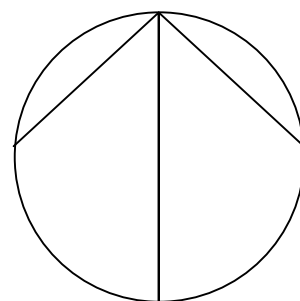
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KEY NOTES:

- 1 PROVIDE BRANCH CIRCUIT WIRING TO EXISTING LIGHTING CONTROLS SERVING LOCAL CELLS.
- 2 PROVIDE CONSTANT BRANCH CIRCUIT WIRING ORIGINATING AT LOCAL LIGHTING CIRCUIT TO SUPPORT NEW CONTROLS, EXHAUST FAN, AND/OR FIXTURES AS SHOWN.
- 3 RELOCATE, OR BOX AND CONTINUE EXISTING BRANCH CIRCUIT WIRING, MADE AVAILABLE WITH REMOVAL OF OLD RECEPTACLE.
- 4 EXISTING CIRCUIT/TEMP CONTROL/CAMERA LINE TO SERVE NEW LOCATION. REROUTE EXISTING WIRING, REPLACE WIRING FROM LAST DEVICE, OR PROVIDE BOX AT (NON-CELL) CEILING AND CONTINUE WIRING AS REQUIRED TO SUPPORT RELOCATION.
- 5 PROVIDE WIRING FROM TOILET FLUSHING SYSTEM HEAD END TO SERVE NEW FIXTURE FLUSH VALVE AND CONTROLLER. WIRE THROUGH ACCESS AREA, AND CONDUIT INSTALLED ON (NON-CELL) CEILING, CONDUCTOR TO MATCH EXISTING. REFER TO PLUMBING PLAN 'P-1' FOR VALVE CONTROL WIRING DIAGRAM.
- 6 TOILET FLUSHING SYSTEM HEAD END LOCATION. EQUIPMENT FURNISHED BY OTHERS. PROVIDE WIRING AND INSTALLATION OF EQUIPMENT AS REQUIRED FOR A COMPLETE SYSTEM.
- 7 ACCESS WAY FOR ELECTRICAL AND PLUMING SYSTEMS.
- 8 CELL LIGHT SWITCH BANK
- 9 SECURITY CAMERA HEAD END LOCATION
- 10 PROVIDE 2#12+12G IN 1/2" C TO NEW 20A-1P BREAKER IN 'LB'
- 11 PROVIDE 2#12+12G IN 1/2" C TO NEW 20A-1P BREAKER IN 'LC'
- 12 INSTALL NEW 'INTERNAL DOOR POSITION INDICATOR PANEL', CONTROL PANEL, DOOR CONTACTS, AND WIRING DIAGRAM PROVIDED BY DETENTION EQUIPMENT/GENERAL CONTRACTOR.
- 13 BOX, SPLICE AND CONTINUE EXISTING BRANCH CIRCUIT WIRING TO SUPPORT NEW HAND DRYER. COORDINATE FINAL LOCATION.
- 14 PROVIDE 2#12+12G BRANCH CIRCUIT WIRING FROM NEAREST AVAILABLE PANELOARD, PROVIDE WIRING AND CONNECTIONS TO SUPPORT ELECTRIC DOOR STRIKE INSTALLED BY OTHERS
- 15 PROVIDE ADDRESSABLE DUCT SMOKE DETECTION DEVICE TO SUPPLY DUCT, PROVIDE EXTERNAL SIGNAL CONTACTS, WIRING AND PROGRAMING TO EXISTING ADD. FIRE ALARM SYSTEM
- 16 INSTALL WIRING TO HOT WATER UNIT HEATER.
- 17 INSTALL MANUAL PULL STATION AT 48" AFF TO PULL
- 18 PROVIDE (EACH) CARD READER A COMMUNICATION/POWER LINE TO HEAD END EQUIPMENT LOCATION. PROVIDE SIGNALING LINE FOR ELECTRIC STRIKE ACTUATION FROM HEAD END EQUIPMENT.
- 19 PROVIDE CONDUIT AND WIRING FROM CAMERA SYSTEM HEAD END, PROVIDE CONNECTIONS AND INSTALLATION FOR SECURITY CAMERAS PROVIDED BY OTHERS.
- 20 LOCATION OF NEW CAMERA HEAD END EQUIPMENT. RELOCATE EXISTING CAMERA LINES INTO NEW CABINET. PROVIDE WIRE TO NEW CAMERA LOCATIONS AS INDICATED. STEEL LOCKABLE CABINET, PROVIDED BY OTHERS, SHALL BE INSTALLED 6" FROM CEILING. RECORDING AND VIDEO INTERGATION EQUIPMENT PROVIDED BY OTHERS.
- 21 LOCATION OF PROPRIETARY DSX SECURITY REMOTE MONITORING LOCATION. PROVIDE REMOTE MONITORING COMMUNICATION TO THIS LOCATION FROM DSX HEAD END EQUIPMENT.
- 22 PROVIDE 4#14 IN 1/2" C TO DOOR POSITION PANEL
- 23 EXISTING DOOR ACCESS CONTROL SYSTEM HEAD END. FINAL CONNECTIONS PROVIDED BY OTHERS.

LEGEND	
	4' LIGHTING FIXTURE
	2x4' LIGHTING FIXTURE
	LIGHT/EXHAUST FAN
	EM. EXIT SIGNAGE
	VANITY LIGHT FIXTURE
	S SINGLE POLE TOGGLE SWITCH
	S3 3-WAY TOGGLE SWITCH
	SO WALL TYPE OCC. SENSOR
	SM MOTOR DISC. TOGGLE SWITCH
	GFI GFCI DUPLEX RECEPTACLE
	Φ DUPLEX RECEPTACLE
	ELECTRICAL PANELBOARD
	T THERMOSTAT CONTROLLER
	CAMERA LOCATION
	J JUNCTION BOX LOCATION
	HD ELECTRIC HAND DRYER
	ES ELECTRIC DOOR STRIKE
	CR CARD READER
	DC DOOR POSITION CONTACT
	V FLUSH VALVE/ CONTROLLER
	DS F/A DUCT SMOKE DETECTOR
	F F/A MANUAL PULL STATION
	H F/A HORN STROBE DEVICE
	◇ F/A STROBE ONLY DEVICE

GENERAL NOTES:

ALL PRISON CELL WORK WILL BE PRISON GRADE. NO EXPOSED CONDUIT OR JUNCTION BOXES ALLOWED IN THIS AREA.

PULL STATIONS NOTED FOR RELOCATION SHALL BE INSTALLED IN THE SAME LOCATION AT 48" AFF TO THE PULL.

ABBREVIATION NOTES:

er EXISTING LIGHT/DEVICE/EQUIPMENT TO REMAIN

rr REINSTALL EXISTING LIGHT/DEVICE/EQUIPMENT.

ELECTRICAL FIRST FLOOR PROPOSED PLAN

SCALE: 1/4" = 1'-0"

LIGHTING NOTES:

A - VANDAL RESISTANT 4x6"x6" CEILING MOUNT FIXTURE
B - VANDAL RESISTANT 4x6"x6" CORNER MOUNT FIXTURE
C - VANDAL RESISTANT 2x4' FLUSH GRID FIXTURE
F - CEILING EXHAUST FAN WITH LIGHTING FIXTURE
V - WALL MOUNT VANITY FIXTURE

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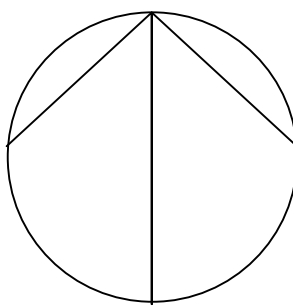
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KEY NOTES:

- 1 REMOVE EXISTING LIGHTING CONTROLS. REMOVE FROM WALL AND RETAIN EXISTING WIRING FOR CONTINUATION TO NEW LOCATION.
- 2 BOX AND CONTINUE EXISTING CONTROL WIRING. EXTEND EXISTING BRANCH CIRCUIT WIRING TO SUPPORT NEW SWITCH LOCATION FOR EXISTING LIGHTING FIXTURES TO REMAIN.
- 3 PROVIDE BRANCH CIRCUIT WIRING TO SUPPORT NEW LIGHTING AND LIGHTING CONTROLS. PROVIDE POWER FROM LOCAL BRANCH CIRCUIT SUPPORTING LIGHTING IN THIS AREA.
- 4 REMOVE EXISTING HORN STROBE. RETAIN FOR REUSE. RETAIN WIRING FOR NEW STROBE LIGHT INSTALLED IN THIS LOCATION.
- 5 PROVIDE NEW FIRE ALARM SYSTEM LOOP WIRING TO LOCAL FIRE ALARM NOTIFICATION CIRCUIT & INSTALL RELOCATED HORN/STROBE APPLIANCE IN NEW LOCATION.
- 6 PROVIDE NEW STROBE AT EXISTING LOCATION.
- 7 REMOVE EXISTING RECEPTACLE, DEVICE, AND RACEWAY. MAKE SAFE.
- 8 CLOSED CIRCUIT CAMERA LOCATION PATHWAY BY ELECTRICAL CONTRACTOR, CAMERA AND CONNECTIONS BY OTHERS.
- 9 REMOVE LIGHT/EXIT SIGN & BOX, DISCONNECT OR SPLICE AND CONTINUE EXISTING BRANCH CIRCUIT CONDUCTORS.
- 10 PROVIDE 2#12-#12G AND NEW 20A-1P CIRCUIT BREAKER FROM PANEL 'L2'
- 11 PROVIDE COMMUNICATION/POWER LINES TO DOOR ACCESS HEAD END EQUIPMENT.
- 12 PROVIDE REMOTE SECURITY MONITORING STATION. PROVIDE TELEVISION & DATA LINE TO SECURITY STATION VIDEO SYSTEM HEAD END EQUIPMENT, TO SUPPORT MONITORS BY

ELECTRICAL SECOND FLOOR DEMO PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL SECOND FLOOR PROPOSED PLAN
SCALE: 1/4" = 1'-0"