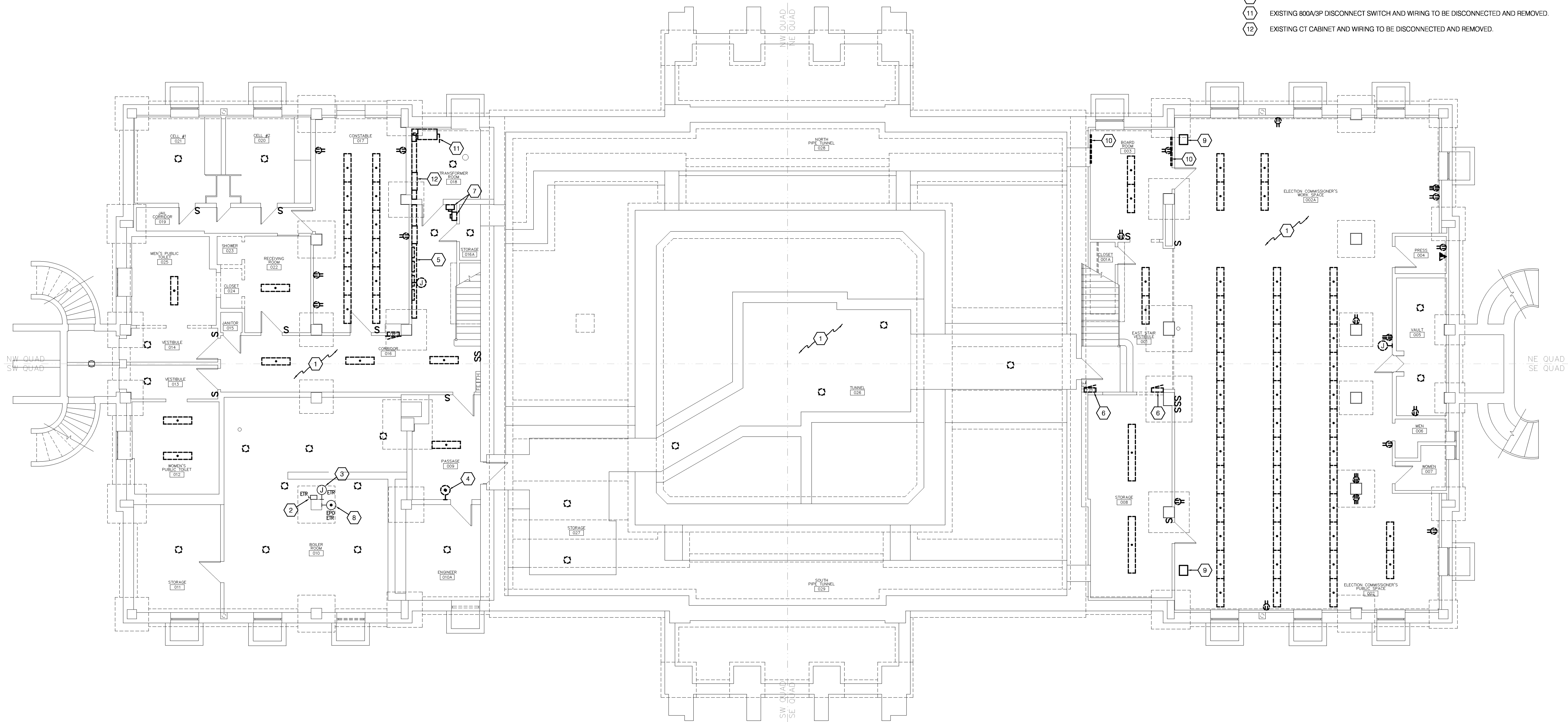


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### FLOOR PLAN NOTES

- 1 REMOVE EXISTING LIGHT FIXTURES, VOICE/DATA OUTLETS, RECEPTACLES, OUTLET BOXES, WIREMOLD RACEWAY AND WIRING BACK TO EXISTING PANELS UNLESS NOTED OTHERWISE. EXISTING CONDUIT MAY BE REUSED WHERE APPLICABLE.
- 2 EXISTING 30A/3P DISCONNECT SWITCH FOR BOILER TO REMAIN.
- 3 EXISTING JUNCTION BOX FOR BOILER TO REMAIN.
- 4 EXISTING EPO SWITCH FOR BOILER TO BE RELOCATED.
- 5 EXISTING PANELBOARDS AND GUTTER TO BE DISCONNECTED AND REMOVED.
- 6 EXISTING DISCONNECT SWITCHES, CONDUIT, WIRE AND PANELBOARDS TO BE DISCONNECTED AND REMOVED.
- 7 EXISTING METERS (4) TO BE DISCONNECTED AND REMOVED.
- 8 EXISTING EPO SWITCH FOR BOILER TO REMAIN.
- 9 REMOVE EXISTING UNIT HEATER AND WIRING BACK TO EXISTING PANEL.
- 10 EXISTING TELEPHONE CABINETS AND LOW VOLTAGE WIRING TO BE REMOVED.
- 11 EXISTING 800A/3P DISCONNECT SWITCH AND WIRING TO BE DISCONNECTED AND REMOVED.
- 12 EXISTING CT CABINET AND WIRING TO BE DISCONNECTED AND REMOVED.

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 KANSAS CITY, MISSOURI 64108  
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# HISTORIC TRUMAN COURTHOUSE

## INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

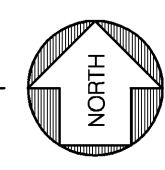
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PROJECT NO.	DATE
	10-19-2012
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REVISED DATE	DESCRIPTION

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### LOWER LEVEL DEMOLITION FLOOR PLAN-ELECTRICAL

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



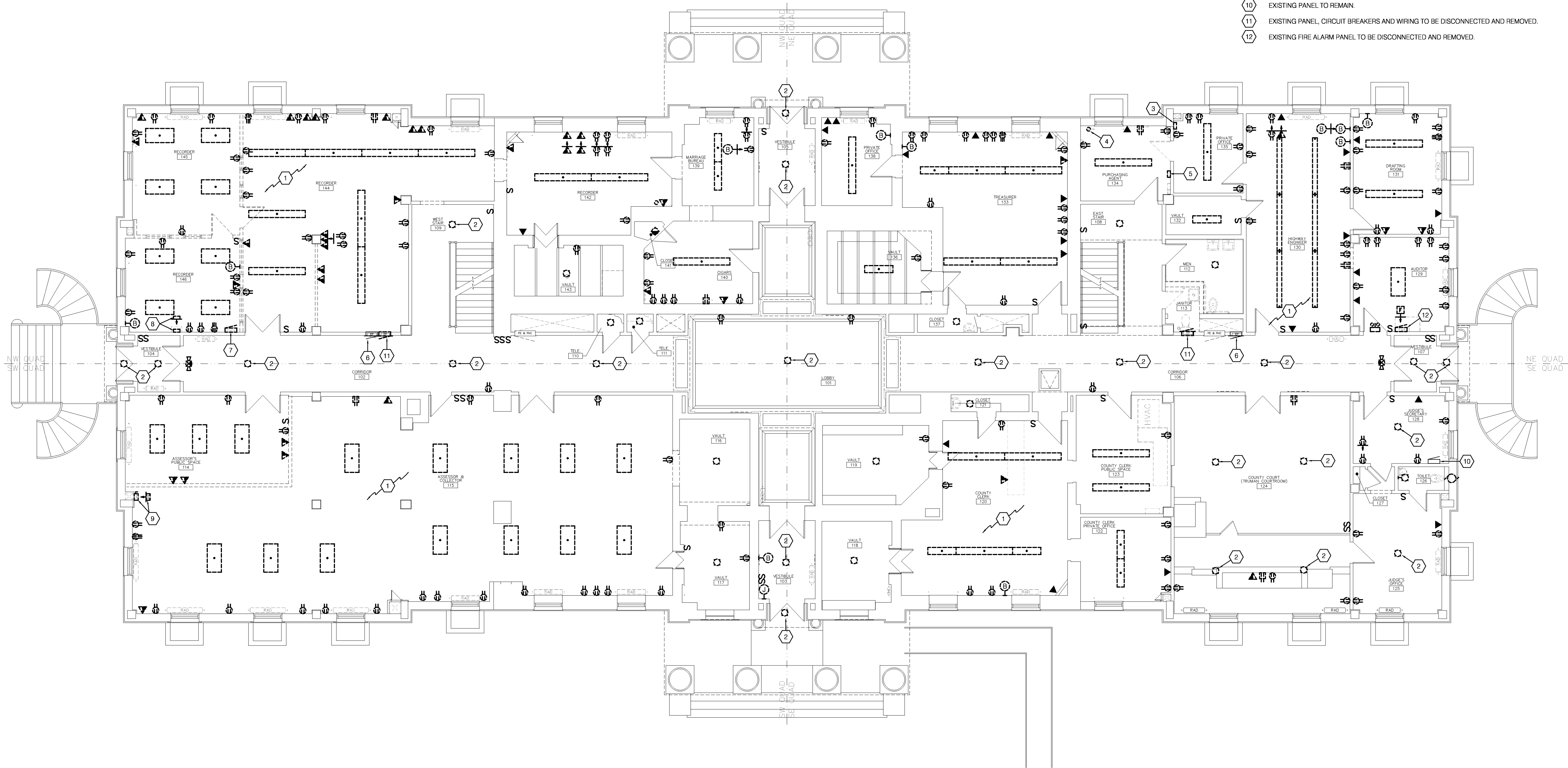
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LOWER LEVEL DEMO  
FLOOR PLAN ELECTRICAL

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ED-100

DWG FILE: P:\4020\048\_Jackson County\Historic Court House\Drawings\4048ED101.dwg USER: slawp PLOT DATE/TIME: 10/19/2012 10:11 am



### FLOOR PLAN NOTES

- 1 REMOVE EXISTING LIGHT FIXTURES, VOICE/DATA OUTLETS, RECEPTACLES, OUTLET BOXES, WIRE/MOLD RACEWAY AND WIRING BACK TO EXISTING PANELS UNLESS NOTED OTHERWISE. EXISTING CONDUIT MAY BE REUSED WHERE APPLICABLE.
- 2 EXISTING FIXTURES SHALL BE SALVAGED FOR REINSTALLATION.
- 3 EXISTING ADT BOX TO BE DISCONNECTED AND REMOVED.
- 4 EXISTING CONDUITS THRU FLOOR TO BE REMOVED.
- 5 EXISTING MASTER CLOCK TO BE DISCONNECTED AND REMOVED.
- 6 EXISTING RECESSED TELEPHONE CABINET TO REMAIN. REMOVE EXISTING LOW VOLTAGE WIRING AND PUNCH DOWN BLOCKS.
- 7 EXISTING PANEL, CONDUIT AND WIRE TO BE DISCONNECTED AND REMOVED.
- 8 EXISTING PANEL, AC LINE REGULATOR, CONDUIT AND WIRE TO BE DISCONNECTED AND REMOVED.
- 9 EXISTING MOTOR STARTER, DISCONNECT SWITCH, CONDUIT AND WIRE TO BE DISCONNECTED AND REMOVED.
- 10 EXISTING PANEL TO REMAIN.
- 11 EXISTING PANEL, CIRCUIT BREAKERS AND WIRING TO BE DISCONNECTED AND REMOVED.
- 12 EXISTING FIRE ALARM PANEL TO BE DISCONNECTED AND REMOVED.

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# HISTORIC TRUMAN COURTHOUSE

## INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

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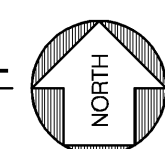
PROJECT NO.	
DATE	10-19-2012
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REVISED DATE	DESCRIPTION

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FIRST FLOOR DEMO  
PLAN ELECTRICAL

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FIRST FLOOR DEMOLITION PLAN-ELECTRICAL  
SCALE: 1/8" = 1'-0"



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### FLOOR PLAN NOTES

- 1 REMOVE EXISTING LIGHT FIXTURES, VOICE/DATA OUTLETS, RECEPTACLES, OUTLET BOXES, WIREMOLD RACEWAY AND WIRING BACK TO EXISTING PANELS UNLESS NOTED OTHERWISE. EXISTING CONDUIT MAY BE REUSED WHERE APPLICABLE.
- 2 EXISTING FIXTURES SHALL BE SALVAGED FOR REINSTALLATION.
- 3 FIXTURE TO BE RESTORED TO ORIGINAL CONFIGURATION.
- 4 EXISTING RECESSED TELEPHONE CABINET TO REMAIN. REMOVE EXISTING LOW VOLTAGE WIRING AND PUNCH DOWN BLOCKS.
- 5 DISCONNECT SWITCH, CONDUIT AND WIRE TO BE DISCONNECTED AND REMOVED.
- 6 EXISTING CAMERA TO BE DISCONNECTED AND REMOVED.
- 7 EXISTING CONDUIT AND WIRING THRU FLOOR TO BE DISCONNECTED AND REMOVED.
- 8 EXISTING MAIN TELEPHONE CABINETS WITH PUNCH DOWN BLOCKS AND LOW VOLTAGE WIRING TO BE DISCONNECTED AND REMOVED.
- 9 EXISTING TELEPHONE SERVICE CONDUIT AND WIRE ON BUILDING EXTERIOR TO BE DISCONNECTED AND REMOVED.
- 10 EXISTING PANELBOARD, CIRCUIT BREAKERS AND WIRING TO BE DISCONNECTED AND REMOVED.

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# HISTORIC TRUMAN COURTHOUSE

## INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

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PROJECT NO.	10-19-2012
DATE	JDB/SMP
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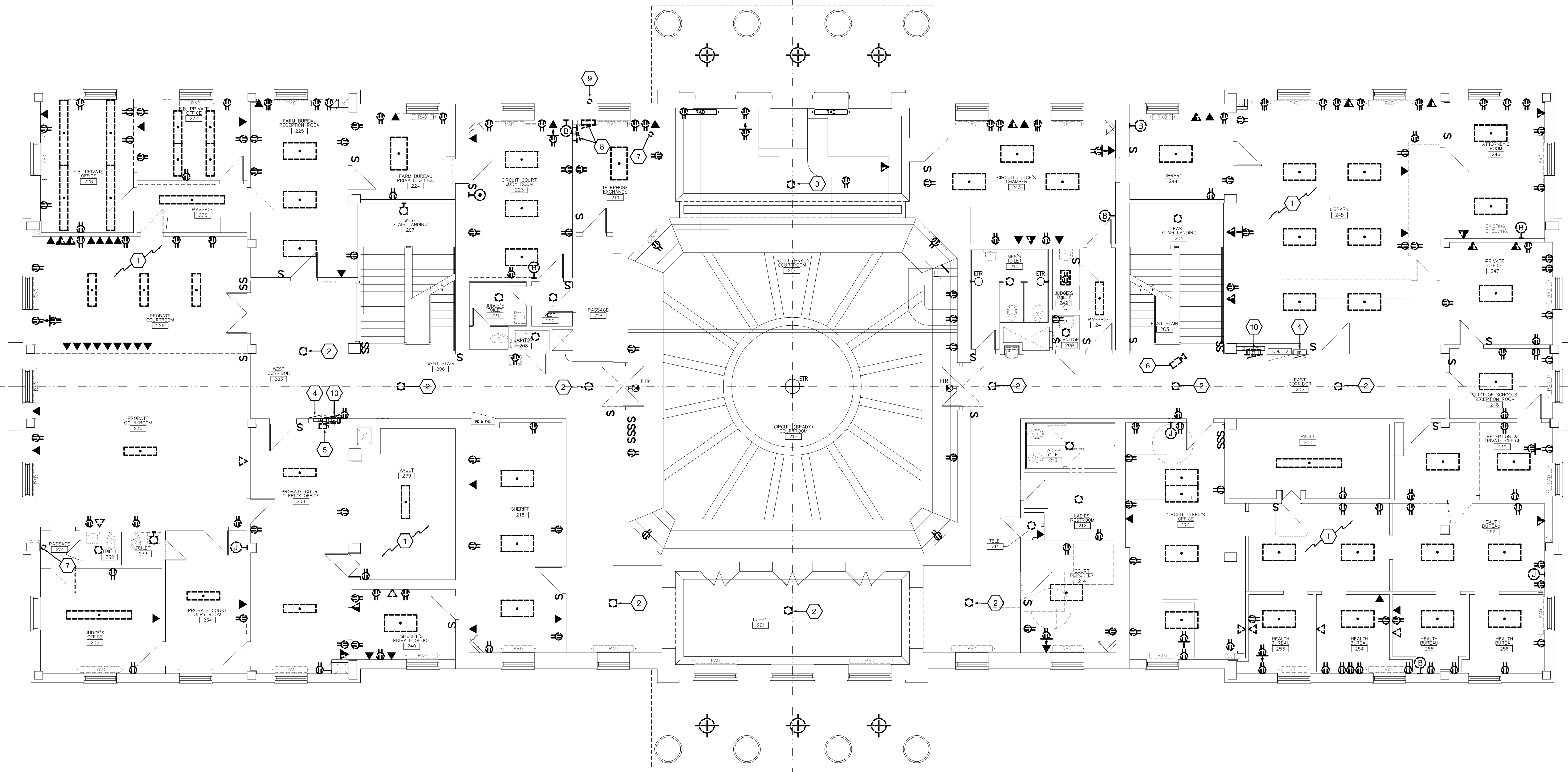
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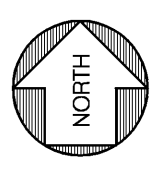


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SECOND FLOOR DEMOLITION PLAN-ELECTRICAL  
 SCALE: 1/8"=1'-0"

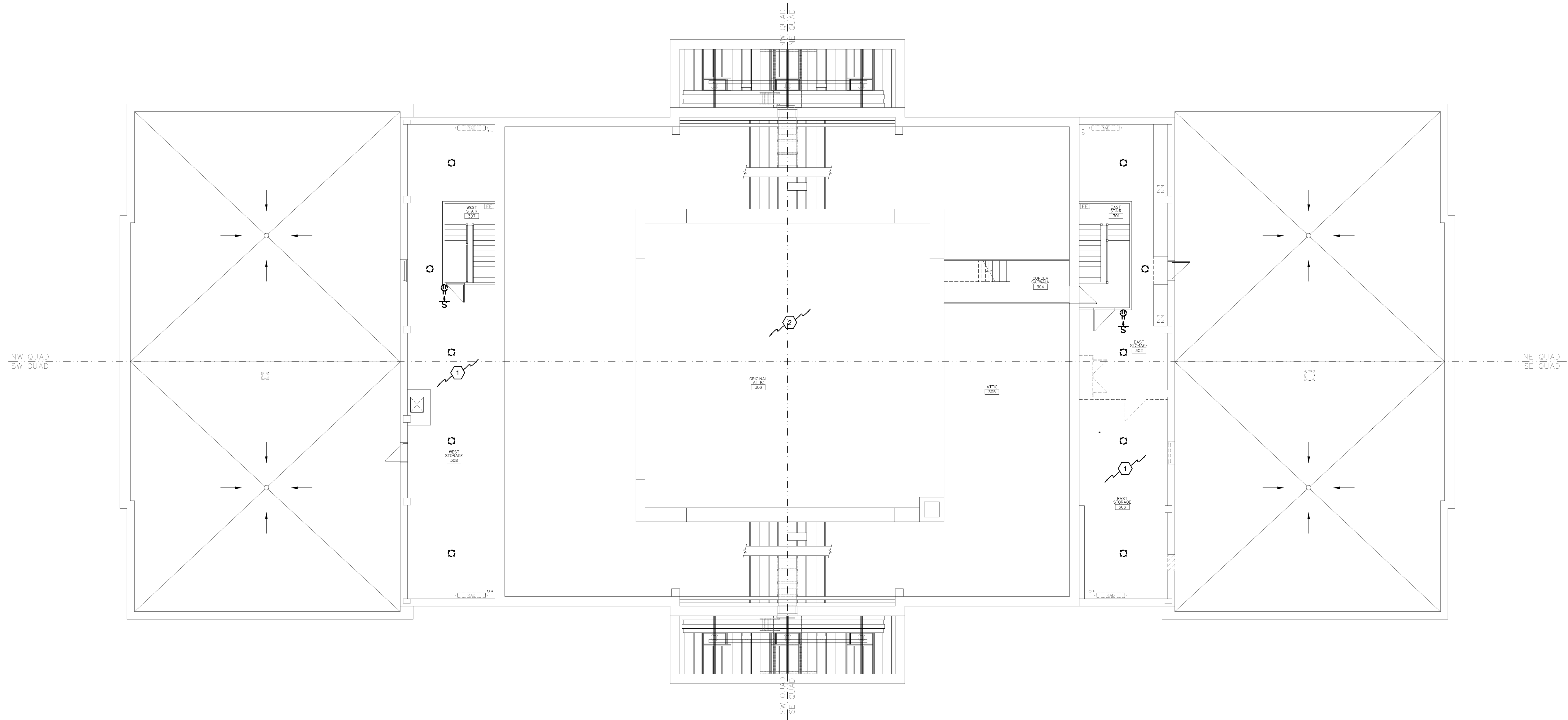


### FLOOR PLAN NOTES

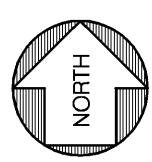
- ① REMOVE EXISTING LIGHT FIXTURES, VOICE/DATA OUTLETS, RECEPTACLES, OUTLET BOXES, WIREMOLD RACEWAY AND WIRING BACK TO EXISTING PANELS UNLESS NOTED OTHERWISE. EXISTING CONDUIT MAY BE REUSED WHERE APPLICABLE.
- ② EXISTING LIGHTING IN ATTIC SPACE TO REMAIN.

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**ATTIC/ROOF DEMOLITION PLAN-ELECTRICAL**  
 SCALE: 1/8" = 1'-0"



# HISTORIC TRUMAN COURTHOUSE

## INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

PROJECT NO.	DATE
10-19-2012	10-19-2012
DRAWN BY	JDBSMP
CHECKED BY	DWE
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REVISED DATE	DESCRIPTION

SHEET TITLE & NUMBER

ATTIC/ROOF DEMO  
 PLAN ELECTRICAL

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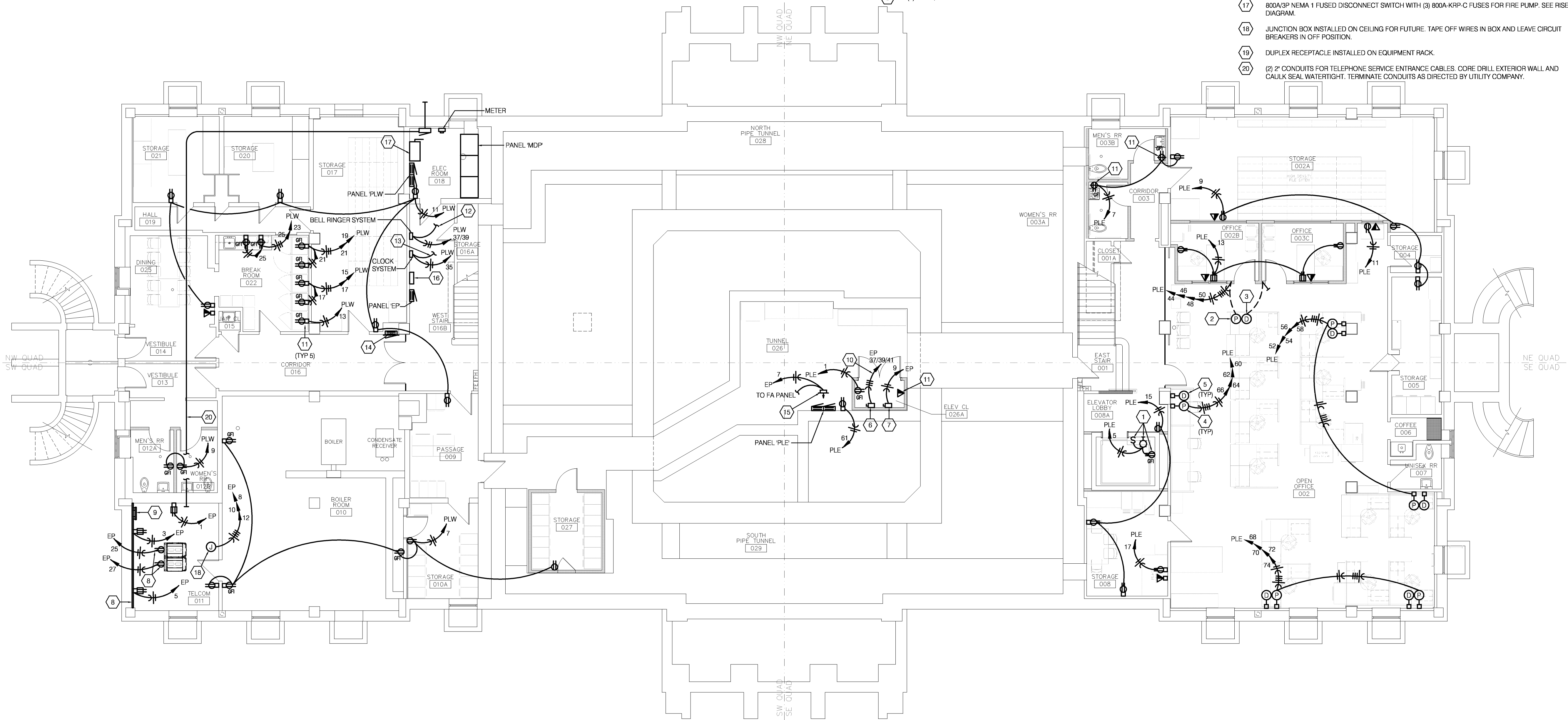
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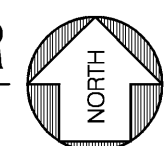
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### FLOOR PLAN NOTES

- 1 PROVIDE DUPLEX RECEPTACLE, LIGHT AND LIGHT SWITCH IN ELEVATOR PIT. COORDINATE EXACT LOCATION WITH ELEVATOR INSTALLER. LIGHT FIXTURE SHALL BE HUBBELL #ZW-100TW WITH (1) 100W/INC. LAMP.
- 2 POWER FURNITURE FEED FLOOR BOX. SAW CUT SLAB AS REQUIRED.
- 3 DATA FURNITURE FEED FLOOR BOX. PROVIDE (1) 1 1/4" CONDUIT FROM BOX AND STUB OUT ABOVE CEILING. SAW CUT SLAB AS REQUIRED.
- 4 POWER FURNITURE FEED. PROVIDE SINGLE GANG JUNCTION BOX WITH COVERPLATE WITH 3/4" KNOCKOUT FOR CONNECTION TO FURNITURE WHIP.
- 5 DATA FURNITURE FEED. PROVIDE DOUBLE GANG JUNCTION BOX WITH SINGLE GANG PLASTER RING AND (2) 1 1/4" CONDUITS STUBBED UP TO ABOVE CEILING.
- 6 ELEVATOR MOTOR DISCONNECT SWITCH. 200A/3P NEMA 1 DISCONNECT SWITCH WITH (3) 125A-FRN-R FUSES. PROVIDE DISCONNECT SWITCH WITH AUXILIARY SET OF CONTACTS RATED 1 AMP AT 120 VOLT AND SPST.
- 7 ELEVATOR CAB LIGHTS LOCKABLE DISCONNECT SWITCH.
- 8 (2) 4X8X3/4" THICK SHEETS OF PAINTED PLYWOOD FOR TELEPHONE BACKBOARD.
- 9 GROUND PLATE. REFERENCE SPECIFICATIONS AND DETAIL.
- 10 2" CONDUIT WITH 3-#1/0 & 1-#1/0 GROUND WIRE.
- 11 INSTALL OUTLET BOX FOR WIRING DEVICE WITH TOP AT 48" AFF.
- 12 1" CONDUIT WITH (12) WIRES TO THE (4) CLOCK MOTORS IN THE TOWER. COORDINATE WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- 13 3/4" CONDUIT WITH 2-#12 & 1-#12 GROUND WIRE TO BELL RINGER. COORDINATE WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- 14 REMOVE EXISTING PANELBOARD COVER AND INTERIOR. SPLICE WIRES OF ANY EXISTING CIRCUITS THAT ARE TO REMAIN AND EXTEND TO NEW PANEL. PROVIDE/INSTALL NEW HINGED COVER WITH KEYS LOCK ON EXISTING PANEL ENCLOSURE.
- 15 3-POLE RELAY IN NEMA 1 ENCLOSURE INSTALLED ABOVE PANEL. CIRCUITS FOR MAG LOCKS SHALL BE ROUTED THRU RELAY. CONNECT TO FA PANEL SO THAT UPON ACTIVATION OF SYSTEM THE POWER TO THE DOORS IS DISCONNECTED.
- 16 AUTOMATIC TRANSFER SWITCH IN NEMA 1 ENCLOSURE. 200A, 120/208V, 3-PHASE, 4-WIRE, 4-POLE.
- 17 800A/3P NEMA 1 FUSED DISCONNECT SWITCH WITH (3) 800A-KRP-C FUSES FOR FIRE PUMP. SEE RISER DIAGRAM.
- 18 JUNCTION BOX INSTALLED ON CEILING FOR FUTURE. TAPE OFF WIRES IN BOX AND LEAVE CIRCUIT BREAKERS IN OFF POSITION.
- 19 DUPLEX RECEPTACLE INSTALLED ON EQUIPMENT RACK.
- 20 (2) 2" CONDUITS FOR TELEPHONE SERVICE ENTRANCE CABLES. CORE DRILL EXTERIOR WALL AND CAULK SEAL WATERTIGHT. TERMINATE CONDUITS AS DIRECTED BY UTILITY COMPANY.



LOWER LEVEL FLOOR PLAN-POWER  
SCALE: 1/8"=1'-0"



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# HISTORIC TRUMAN COURTHOUSE INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR  
CONSTRUCTION

PROJECT NO.	
DATE	10-19-2012
DRAWN BY	JD/SMP
CHECKED BY	DWE
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REVISED DATE	DESCRIPTION

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LOWER LEVEL  
FLOOR PLAN  
POWER  
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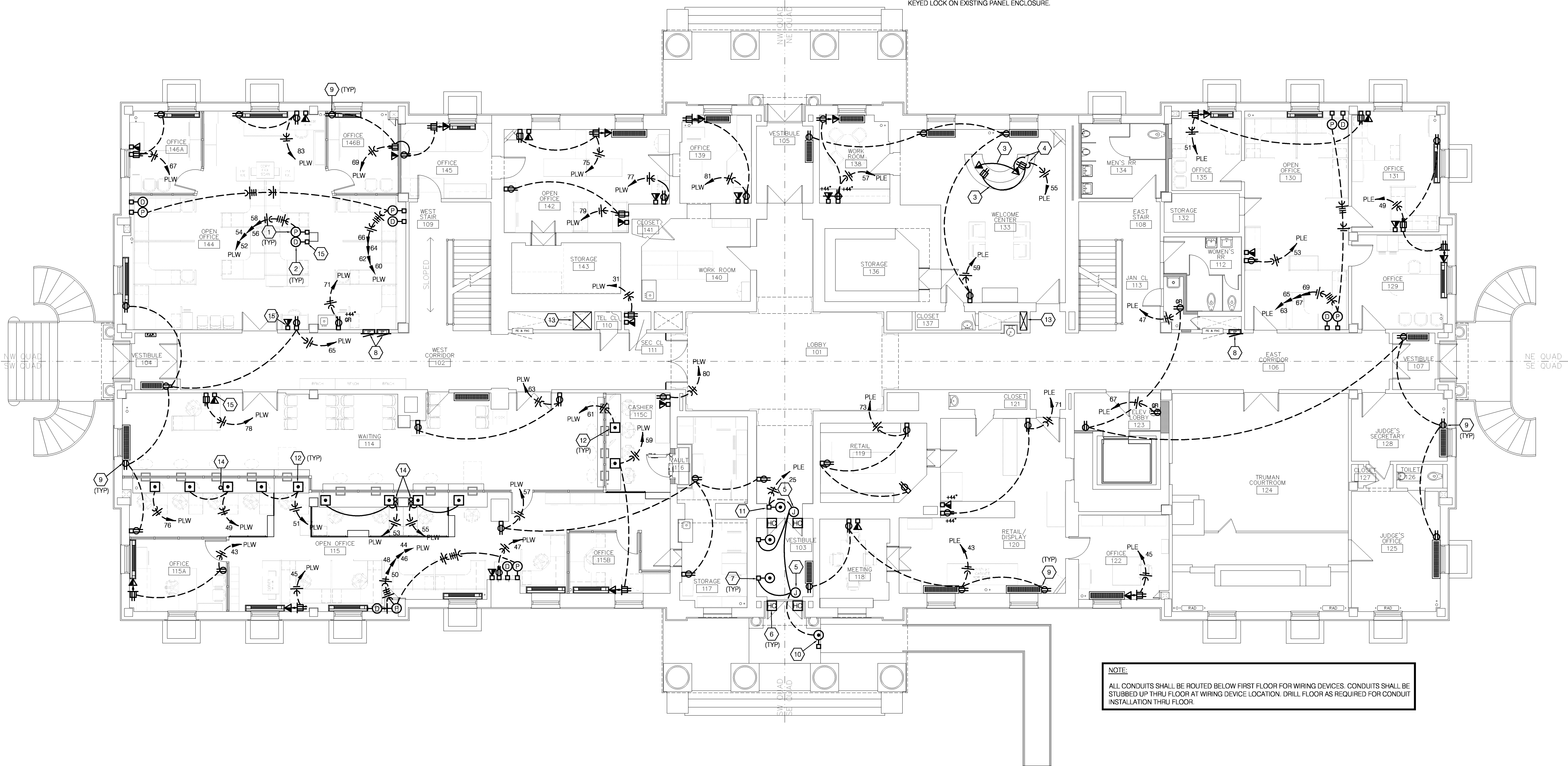


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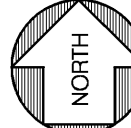
### FLOOR PLAN NOTES

- 1 POWER FURNITURE FEED. PROVIDE SINGLE GANG JUNCTION BOX WITH COVERPLATE WITH 3/4" KNOCKOUT FOR CONNECTION TO FURNITURE WHIP.
- 2 DATA FURNITURE FEED. PROVIDE DOUBLE GANG JUNCTION BOX WITH SINGLE GANG PLASTER RING AND (2) 1 1/4" CONDUITS STUBBED DOWN TO LOWER LEVEL.
- 3 CONDUITS ROUTED IN CASEWORK. COORDINATE WITH CASEWORK PROVIDER/INSTALLER PRIOR TO ROUGH-IN.
- 4 DRILL WOOD FLOOR FOR CONDUIT PENETRATION.
- 5 JUNCTION BOX FOR POWER CONNECTION TO ADA POWER ASSIST DOORS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
- 6 SECURITY SYSTEM CONTRACTOR SEQUENCE WITH HANDICAP DOOR OPERATOR WITH SECURITY DEVICE.
- 7 MAKE POWER CONNECTION TO ADA DOOR OPENER AND INSTALL WIRE PUSH BUTTON DOOR OPERATOR.
- 8 REMOVE EXISTING PANELBOARD COVER AND INTERIOR. SPLICE WIRES OF ANY EXISTING CIRCUITS THAT ARE TO REMAIN AND EXTEND TO NEW PANEL. PROVIDE/INSTALL NEW HINGED COVER WITH KEYPED LOCK ON EXISTING PANEL ENCLOSURE.
- 9 DUPLEX OR FOURPLEX RECEPTACLE AND VOICE/DATA OUTLET AS SHOWN INSTALLED IN FAN COIL UNIT COVER. COORDINATE WITH CABINET SUPPLIER PRIOR TO ROUGH-IN. REFER TO MECHANICAL DRAWINGS/SPECS.
- 10 INSTALL AUTO DOOR OPERATOR ON NEW SQUARE BOLLARD.
- 11 INSTALL AUTO DOOR OPERATOR ON JAMB.
- 12 FLUSH FLOOR 3-GANG BOX INSTALLED IN RAISED FLOOR. (2) GANGS FOR DUPLEX RECEPTACLES AND (1) GANG FOR VOICE/DATA OUTLETS.
- 13 PANELBOARD AND EQUIPMENT FEEDERS SHALL BE ROUTED IN THIS AREA FROM LOWER LEVEL TO PANELS LOCATED.
- 14 1-1/2" METAL CHASE SLEEVE THRU FLOOR. CONDUIT SHALL BE STUBBED UP BELOW ACCESS FLOOR DEVICE.
- 15 CONDUIT SHALL BE CONTINUOUS RUN, DOWN TO FLOOR BELOW AND THRU FLOOR AND TERMINATE IN TELCOM 011.



**NOTE:**  
ALL CONDUITS SHALL BE ROUTED BELOW FIRST FLOOR FOR WIRING DEVICES. CONDUITS SHALL BE STUBBED UP THRU FLOOR AT WIRING DEVICE LOCATION. DRILL FLOOR AS REQUIRED FOR CONDUIT INSTALLATION THRU FLOOR.

**FIRST FLOOR PLAN-POWER**  
SCALE: 1/8" = 1'-0"



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# HISTORIC TRUMAN COURTHOUSE

## INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

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FIRST FLOOR  
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**FLOOR PLAN NOTES**

- 1 FLUSH FLOOR 2-GANG BOX. (1) GANG FOR DUPLEX RECEPTACLE AND (1) GANG FOR VOICE/DATA OUTLET. CUT WOOD FLOOR AS REQUIRED FOR INSTALLATION OF FLOOR BOX. COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 2 INSTALL OUTLET BOX FOR WIRING DEVICE WITH TOP AT APPROXIMATELY 7'-6" AFF. COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 3 RECEPTACLE ON DEDICATED CIRCUIT FOR PORTABLE SPOT LIGHTS. VERIFY EXACT LOCATION WITH JACKSON COUNTY COMMUNICATIONS DEPARTMENT PRIOR TO ROUGH-IN.
- 4 JUNCTION BOX WITH 1" CONDUIT DOWN.
- 5 REMOVE EXISTING PANELBOARD COVER AND INTERIOR. SPLICE WIRES OF ANY EXISTING CIRCUITS THAT ARE TO REMAIN AND EXTEND TO NEW PANEL. PROVIDE/INSTALL NEW HINGED COVER WITH KEYS LOCK ON EXISTING PANEL ENCLOSURE.
- 6 DUPLEX OR FOURPLEX RECEPTACLE AS SHOWN INSTALLED IN FAN COIL UNIT COVER. COORDINATE WITH CABINET SUPPLIER PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DRAWINGS.
- 7 PANELBOARD AND EQUIPMENT FEEDERS SHALL BE ROUTED IN THIS AREA FROM LOWER LEVEL TO PANELS LOCATED.

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**HISTORIC TRUMAN COURTHOUSE**  
**INTERIOR RENOVATION**  
 102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

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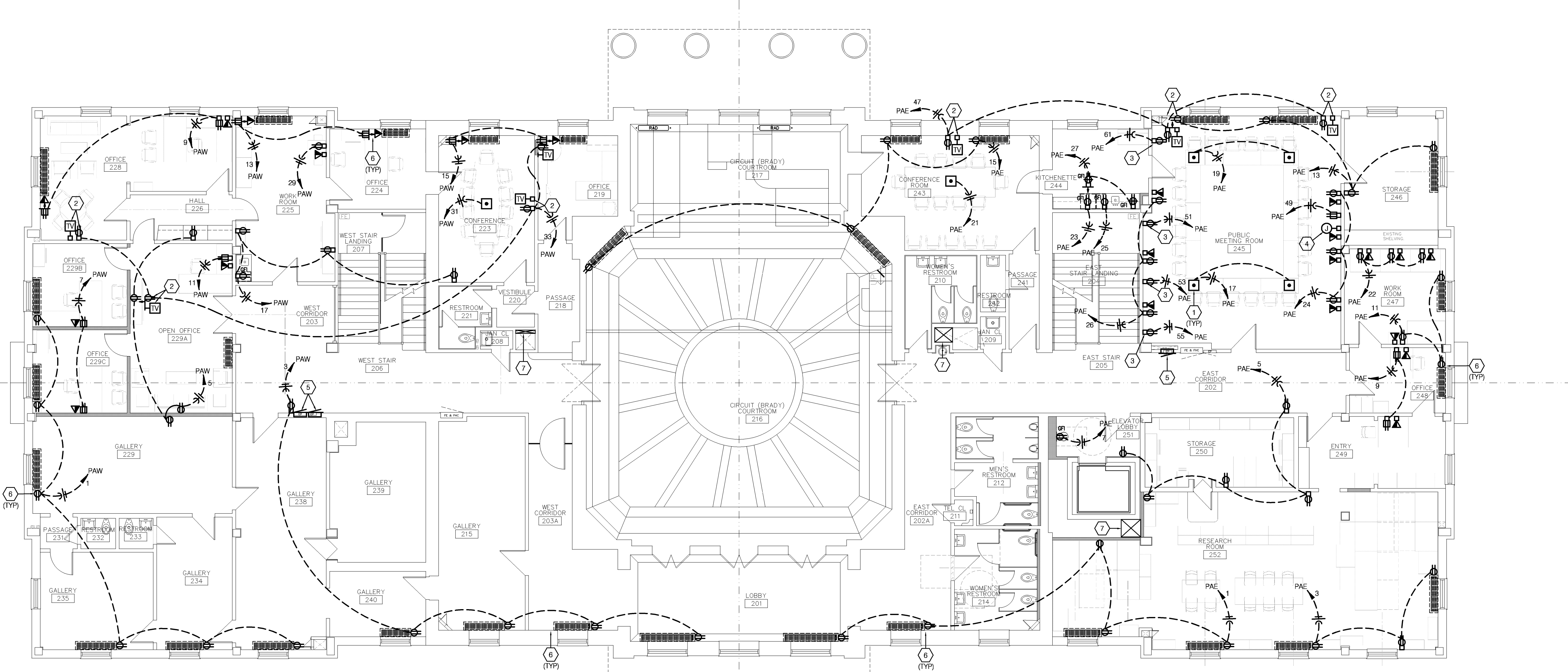
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SECOND FLOOR PLAN POWER

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**E-102**



**NOTE:**  
 ALL CONDUITS SHALL BE ROUTED BELOW SECOND FLOOR FOR WIRING DEVICES. CONDUITS SHALL BE STUBBED UP THRU FLOOR AT WIRING DEVICE LOCATION. DRILL FLOOR AS REQUIRED FOR CONDUIT INSTALLATION THRU FLOOR.

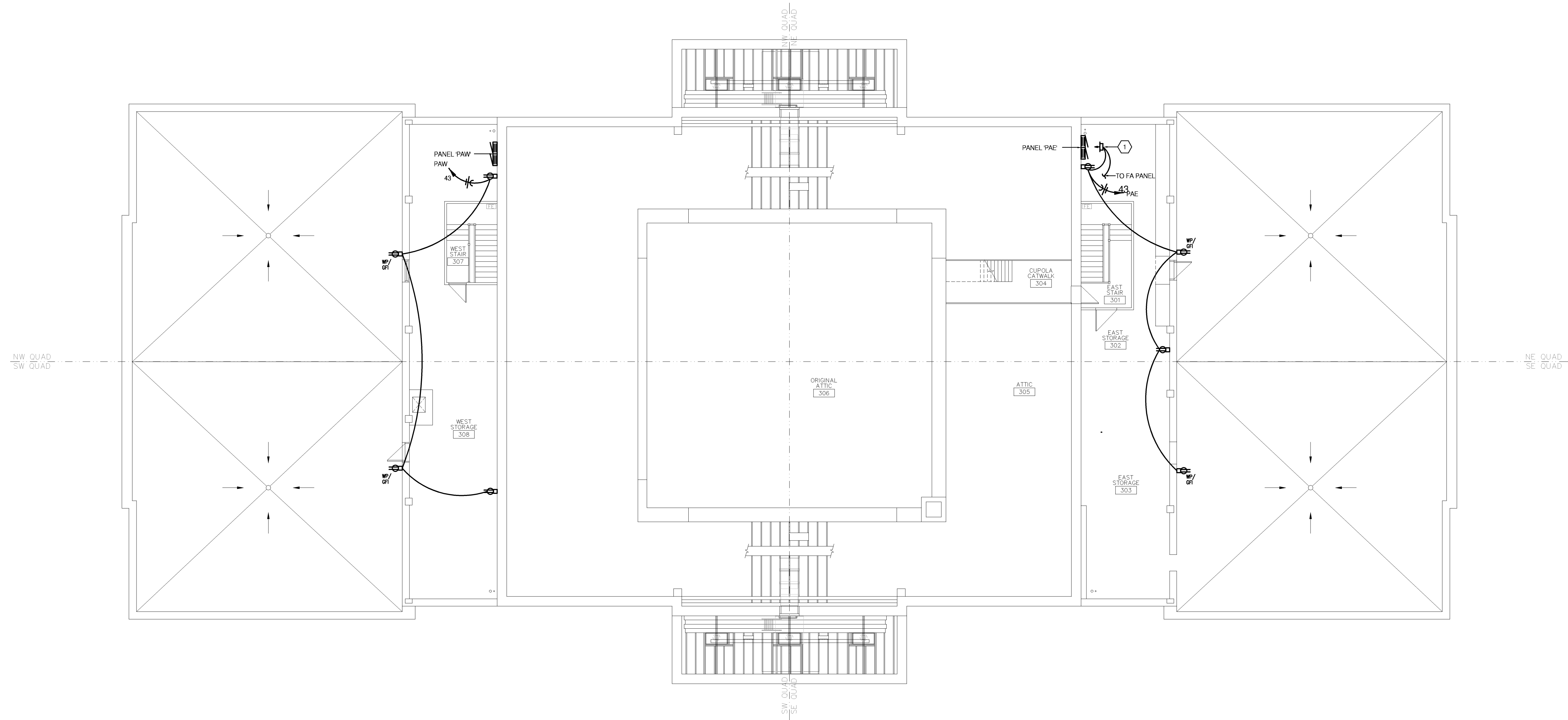
**SECOND FLOOR PLAN-POWER**  
 SCALE: 1/8"=1'-0"

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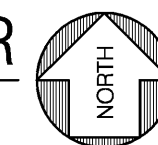


# FLOOR PLAN NOTES

1 2-POLE RELAY IN NEMA 1 ENCLOSURE INSTALLED ABOVE PANEL. CIRCUITS FOR MAG LOCKS SHALL BE ROUTED THRU RELAY. CONNECT TO FA PANEL SO THAT UPON ACTIVATION OF SYSTEM THE POWER TO THE DOORS IS DISCONNECTED.



**ATTIC/ROOF PLAN-POWER**  
SCALE: 1/8"=1'-0"



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# HISTORIC TRUMAN COURTHOUSE INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR  
CONSTRUCTION

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DWE	LDR
REVISION	DESCRIPTION

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ATTIC/ROOF  
PLAN POWER

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E-103

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### FLOOR PLAN NOTES

- 1 EXISTING FIXTURE TO BE RELAMPED, REFERENCE SCHEDULE.
- 2 INSTALL NEW FIXTURE IN EXISTING FIXTURE LOCATION.
- 3 TO EF-6.

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# HISTORIC TRUMAN COURTHOUSE INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

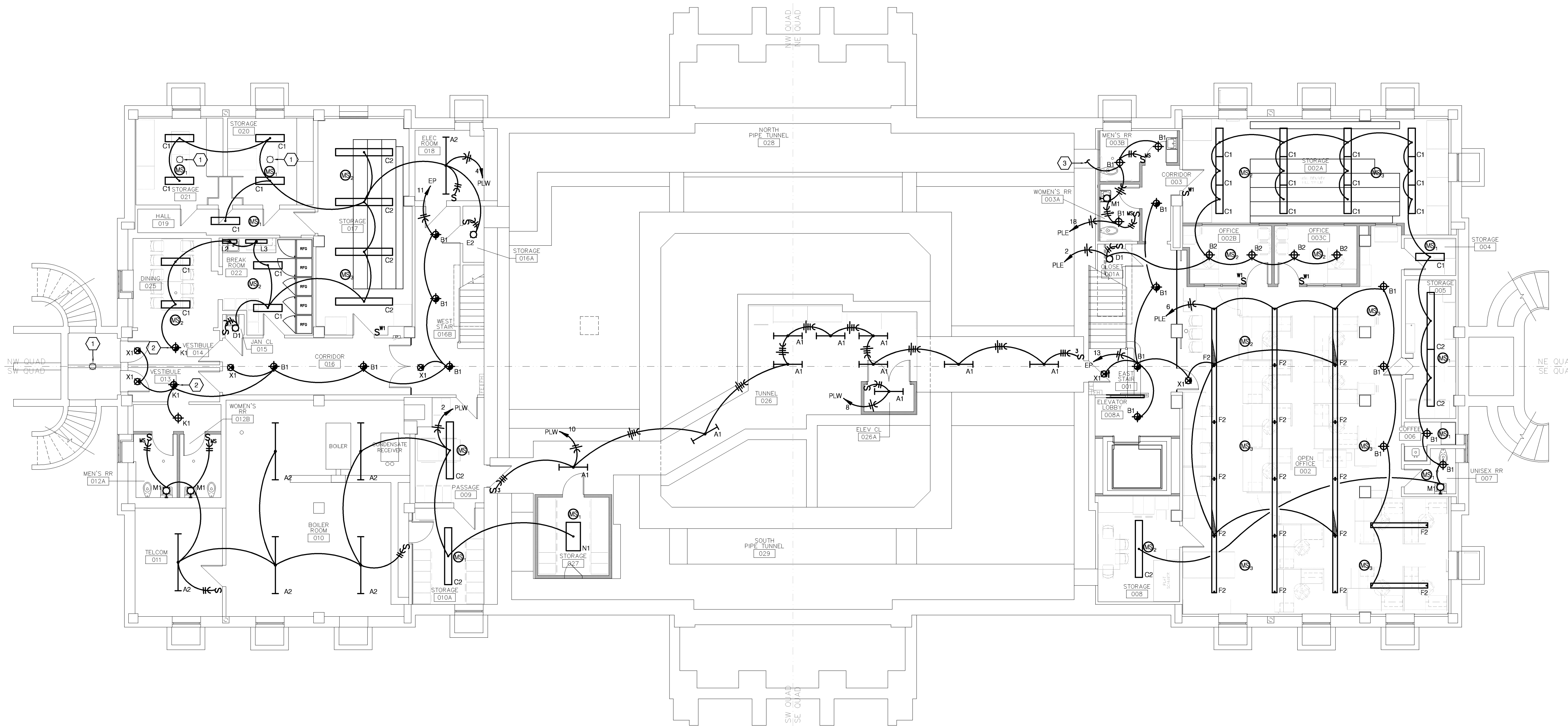
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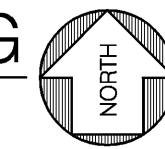
SHEET TITLE & NUMBER

LOWER LEVEL  
 FLOOR PLAN  
 LIGHTING  
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E-200

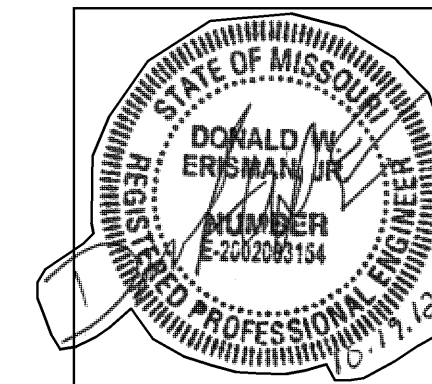


LOWER LEVEL FLOOR PLAN-LIGHTING  
 SCALE: 1/8" = 1'-0"



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Consulting Engineers, Inc.  
 1730 Walnut Street  
 Kansas City, Missouri 64108  
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 1913 Franklin Avenue  
 St. Joseph, Missouri 64501  
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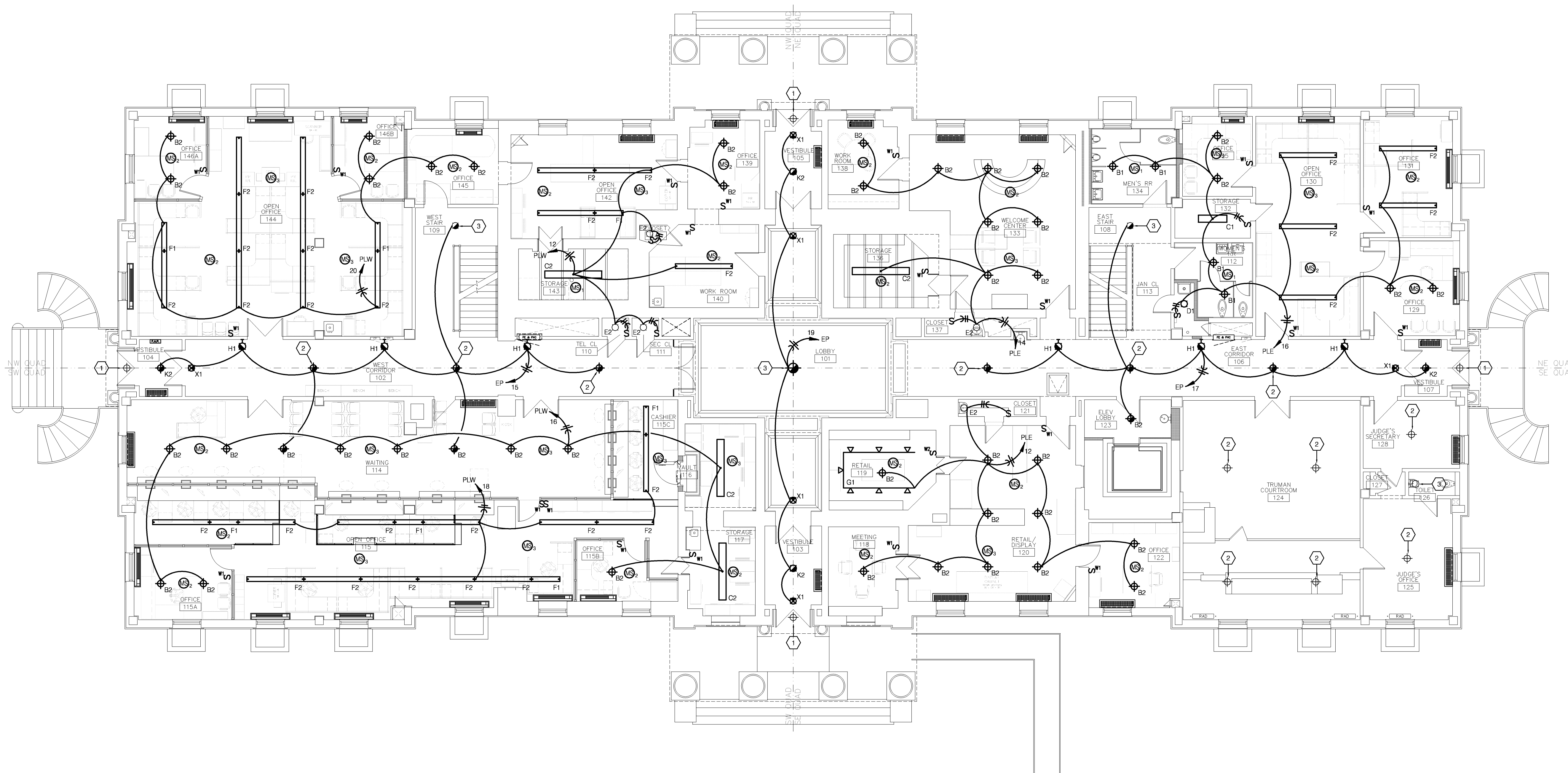


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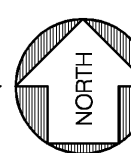
### FLOOR PLAN NOTES

- 1 EXISTING FIXTURE TO REMAIN. CLEAN FIXTURE, RELAMP AND REPLACE PRISMATIC GLASS LENS.
- 2 EXISTING FIXTURE TO REMAIN. CLEAN FIXTURE AND RETROFIT EXISTING INCANDESCENT FIXTURE WITH 42W COMPACT FLUORESCENT LAMP AND BALLAST.
- 3 EXISTING FIXTURE TO REMAIN. CLEAN FIXTURE AND RELAMP.



### FIRST FLOOR PLAN-LIGHTING

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



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# HISTORIC TRUMAN COURTHOUSE

## INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

PROJECT NO.	
DATE	10-19-2012
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REVISED DATE	DESCRIPTION

SHEET TITLE & NUMBER

FIRST FLOOR PLAN LIGHTING

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 L+ A Project No. 4048

E-201

### FLOOR PLAN NOTES

- 1 ALL EXISTING LIGHTING WITHIN THIS ROOM TO REMAIN. RECIRCUIT EXISTING LIGHTING CIRCUIT TO PANEL PAE AND TERMINATE ON CIRCUIT #12.
- 2 EXISTING FIXTURE TO BE RELAMPED. REFERENCE SCHEDULE.
- 3 UP TO LIGHT ON ATTIC LEVEL.
- 4 REMOVE AND REINSTALL EXISTING FIXTURE AT NEW LOCATION.
- 5 REINSTALL REFURBISHED AND RECONSTRUCTED PENDANT LIGHT FIXTURE.

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# HISTORIC TRUMAN COURTHOUSE

## INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

PROJECT NO.	
DATE	10-19-2012
DRAWN BY	JDB/SMP
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REVISED DATE	DESCRIPTION

SHEET TITLE & NUMBER

SECOND FLOOR PLAN LIGHTING

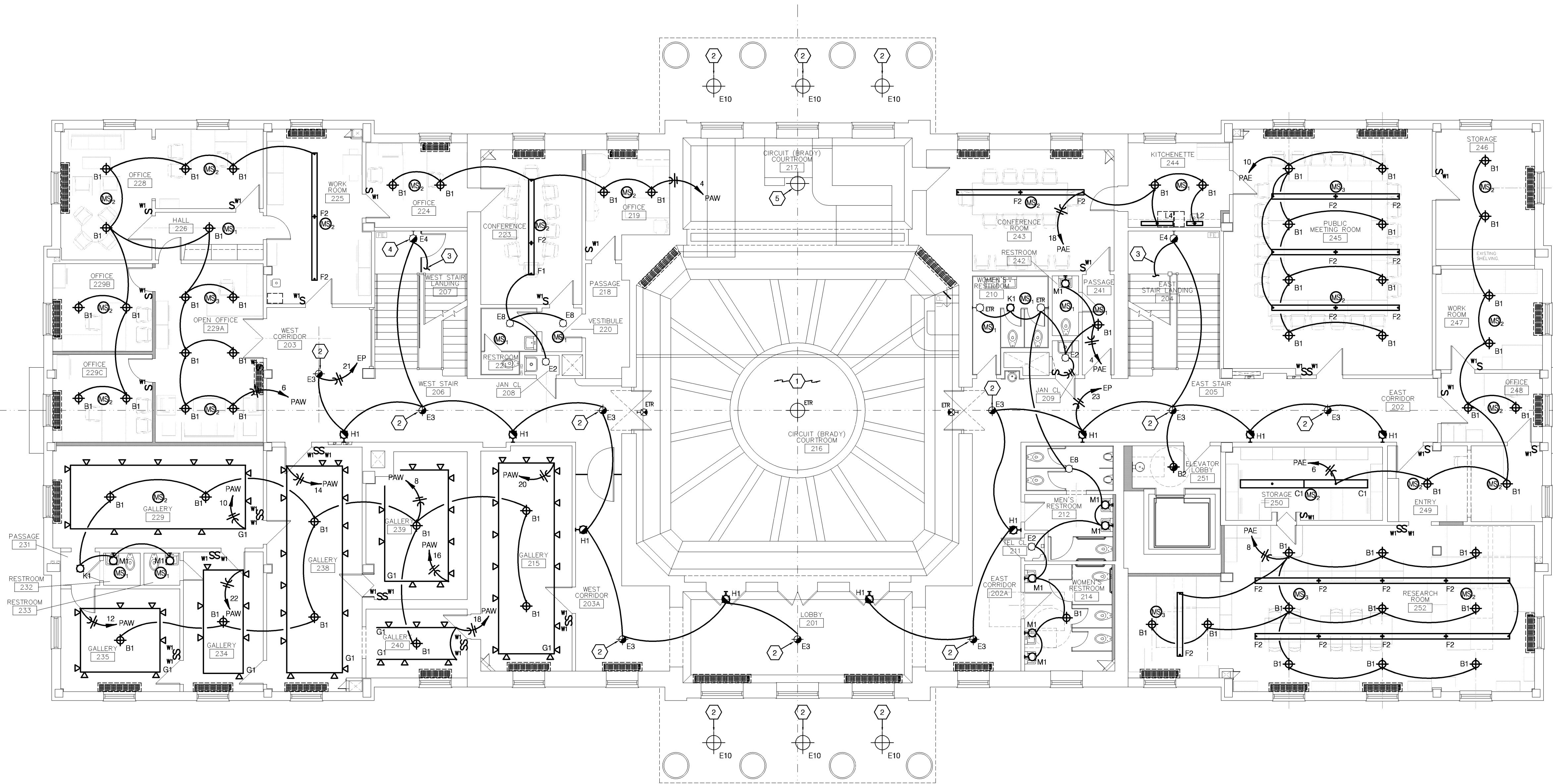
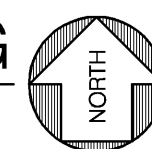
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E-202



### SECOND FLOOR PLAN-LIGHTING

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



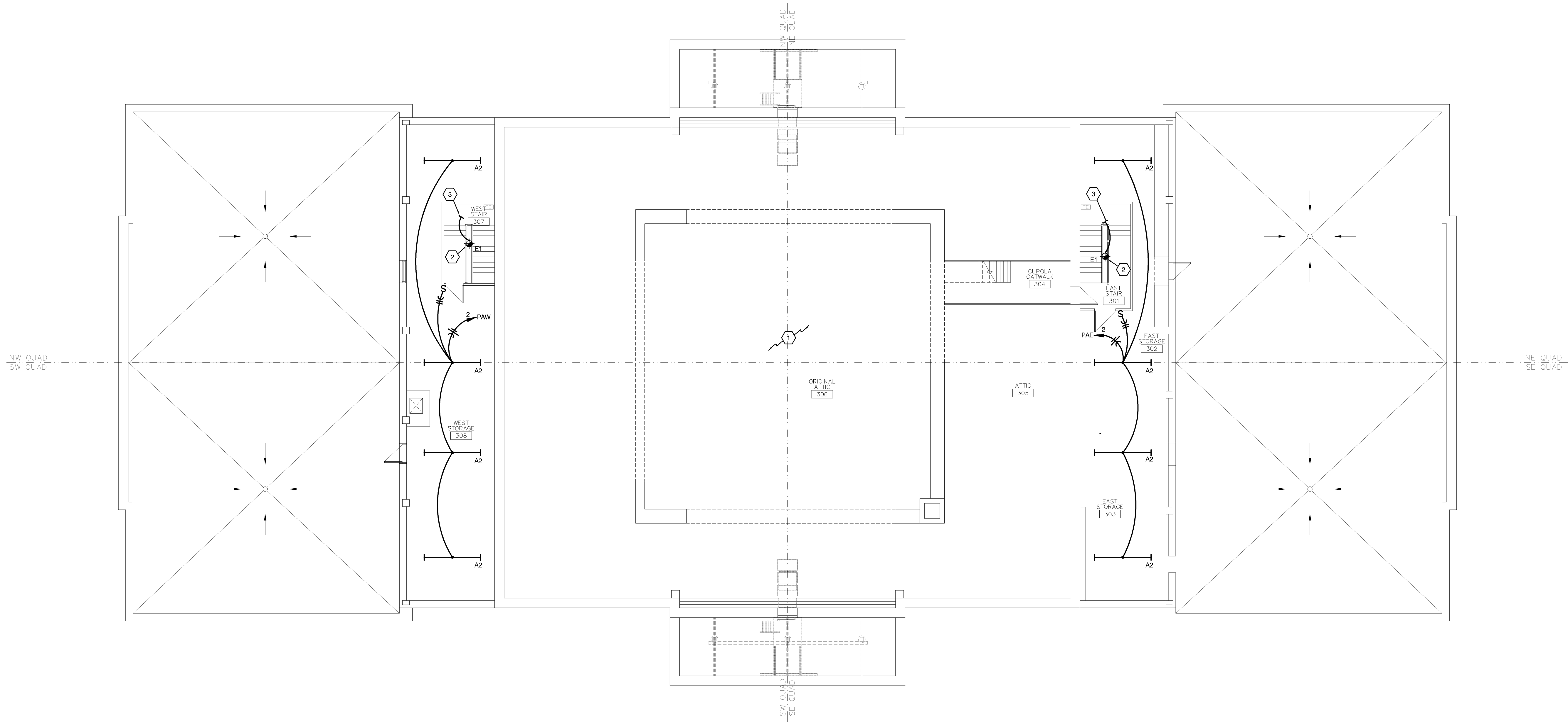
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### FLOOR PLAN NOTES

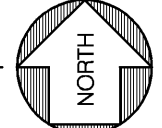
- 1 ALL EXISTING LIGHTING WITHIN THIS ROOM TO REMAIN. RECIRCUIT EXISTING LIGHTING CIRCUIT TO PANEL PAE AND TERMINATE ON CIRCUIT #14.
- 2 EXISTING FIXTURE TO BE RELAMPED. REFERENCE SCHEDULE.
- 3 DOWN TO LIGHT ON SECOND FLOOR.

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**ATTIC/ROOF PLAN-LIGHTING**  
 SCALE: 1/8"=1'-0"



# HISTORIC TRUMAN COURTHOUSE

## INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

PROJECT NO.	DATE
	10-19-2012
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REVISED DATE	DESCRIPTION

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ATTIC/ROOF PLAN LIGHTING  
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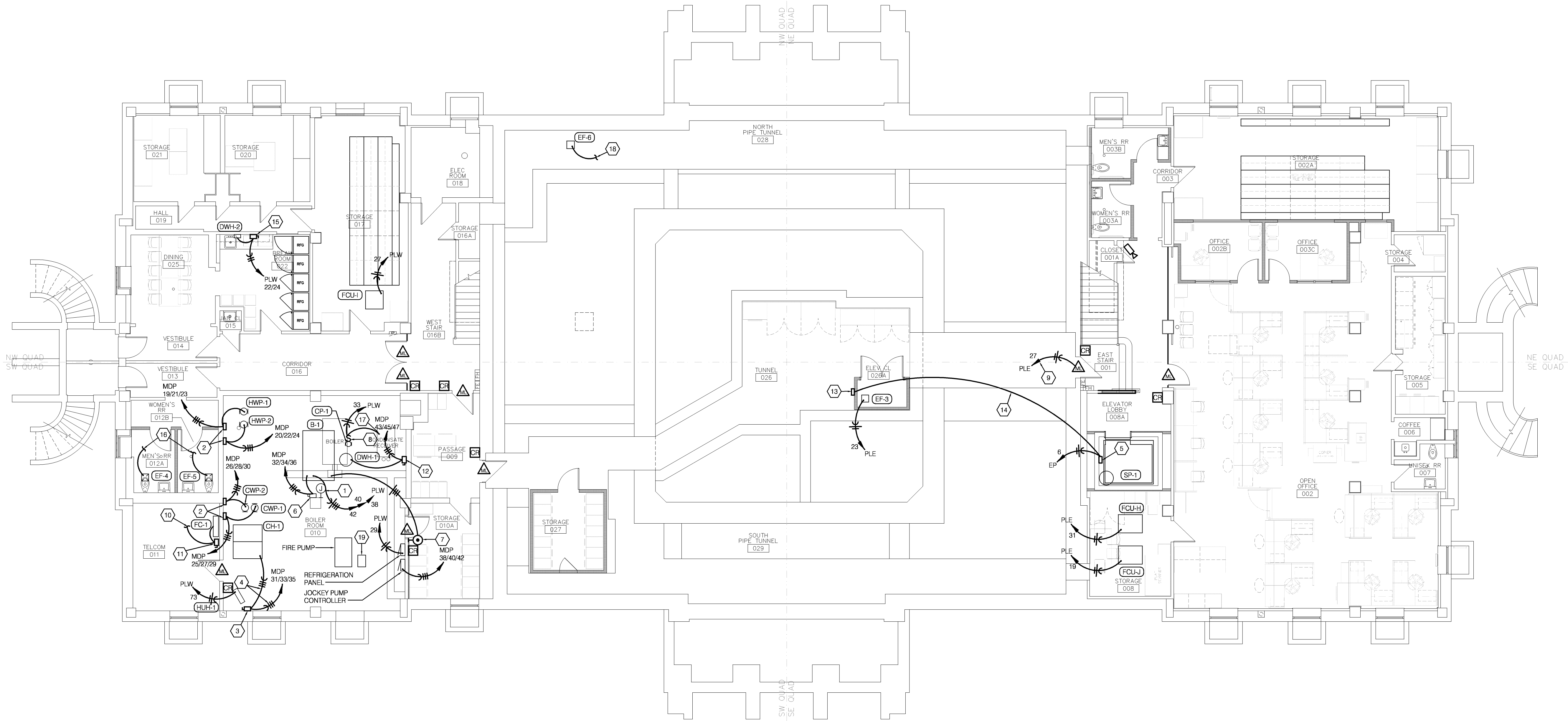


E-203

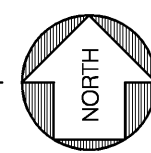
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### FLOOR PLAN NOTES

- 1 EXISTING JUNCTION BOX ON COLUMN. CONNECT NEW CIRCUITS AS INDICATED.
- 2 VFD WITH BUILT-IN DISCONNECT SWITCH SUPPLIED WITH UNIT.
- 3 600A/3P, NON-FUSED NEMA 1 DISCONNECT SWITCH.
- 4 (2) SETS OF 3" CONDUIT WITH 3-#350 KCML & 1-#1 GROUND WIRE IN EACH.
- 5 DUPLEX SUMP PUMP CONTROLLER WITH OVERLOAD PROTECTION.
- 6 EXISTING 30A/3P DISCONNECT SWITCH FOR BOILER TO REMAIN. CONNECT TO NEW CIRCUIT AS INDICATED.
- 7 NEW LOCATION OF EXISTING EPO SWITCH FOR EMERGENCY BOILER SHUTDOWN. RECONNECT TO EXISTING BOILER AS REQUIRED FOR PROPER OPERATION.
- 8 20A/1P HORSEPOWER RATED TOGGLE SWITCH FOR DISCONNECTING MEANS.
- 9 ALL MAG LOCKS SHALL BE CONNECTED TO THIS CIRCUIT. RUN HOMERUN THRU RELAY LOCATED AT PANEL. 3/4"C, 2-#12 & 1-#12 GROUND WIRE.
- 10 UP TO CU-1 ON ROOF.
- 11 30A/2P, FUSED NEMA 1 DISCONNECT SWITCH WITH (2) 15A-FRN-R FUSES.
- 12 60A/3P, NON-FUSED NEMA 1 DISCONNECT SWITCH.
- 13 SUMP PUMP ALARM PANEL. COORDINATE WITH EQUIPMENT SUPPLIER.
- 14 3/4" CONDUIT FOR ALARM CONTROL WIRES.
- 15 60A/2P, NON-FUSED NEMA 1 DISCONNECT SWITCH INSTALLED BELOW COUNTER FOR WATER HEATER.
- 16 CONNECT TO LIGHTS IN RESTROOM SO FAN IS ON WHEN LIGHTS ARE ON.
- 17 120 VOLT CONNECTION TO RECOVER TANK PUMP.
- 18 TO LIGHTS IN RESTROOMS 003A AND 003B. WIRE SO THAT WHEN LIGHT SWITCH IN EITHER BATH ROOM TURNS ON, FAN TURNS ON.
- 19 FIRE PUMP CONTROLLER. SEE RISER.



LOWER LEVEL FLOOR PLAN-SYSTEMS  
SCALE: 1/8"=1'-0"



# HISTORIC TRUMAN COURTHOUSE

## INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

PROJECT NO.	DATE
	10-19-2012
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IDB/SMP	DWE
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DWE	LDR
REVISION DATE	DESCRIPTION

SHEET TITLE & NUMBER  
LOWER LEVEL FLOOR PLAN SYSTEMS  
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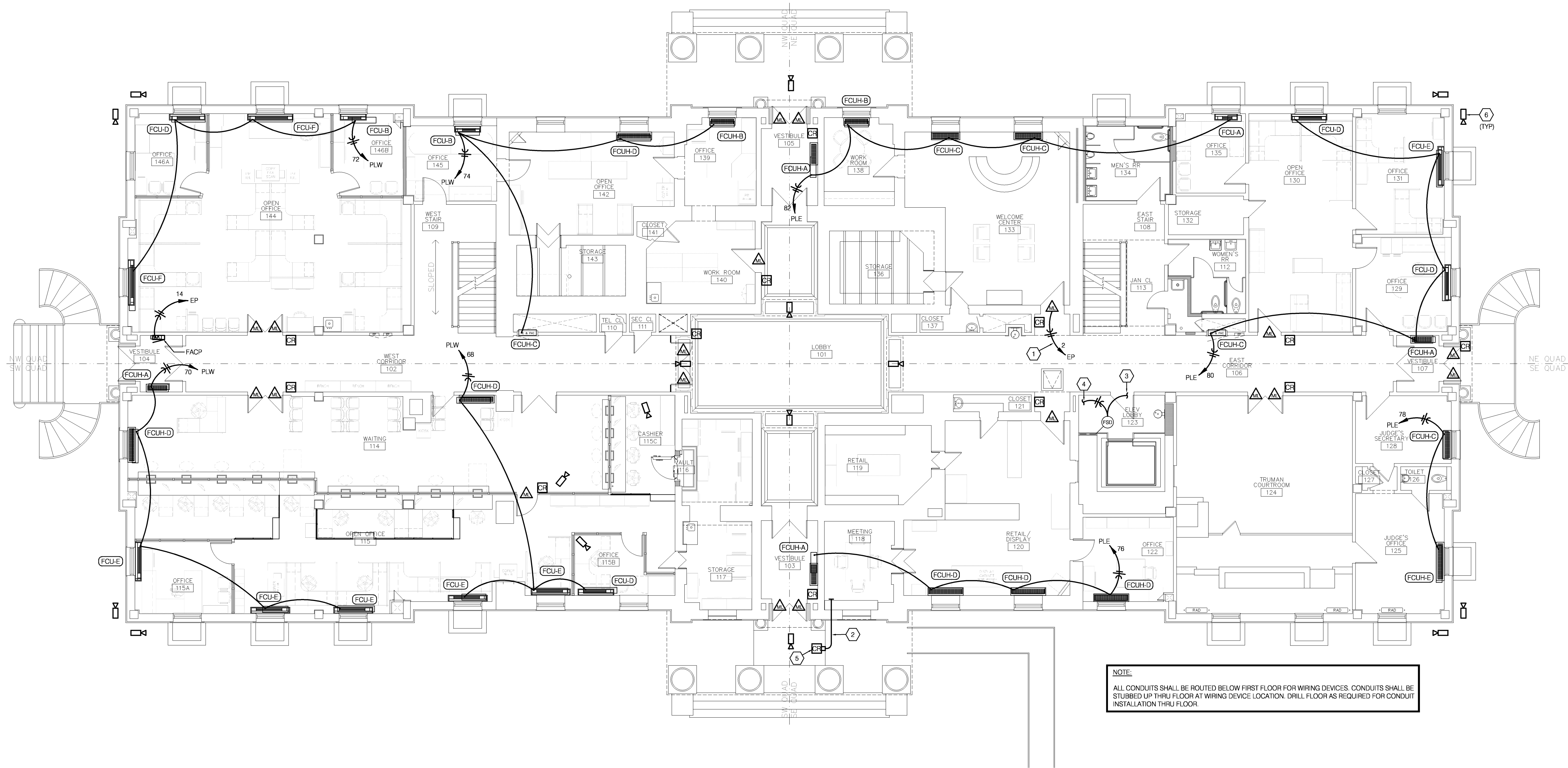
E-300

### FLOOR PLAN NOTES

- 1 ALL MAG LOCKS SHALL BE CONNECTED TO THIS CIRCUIT. RUN HOMERUN THRU RELAY LOCATED AT PANEL 3/4'C, 2-#12 & 1-#12 GROUND WIRE.
- 2 STUB CONDUIT INTO LOWER LEVEL. CORE DRILL WALL AS REQUIRED AND CAULK/SEAL WATERTIGHT.
- 3 CONNECT TO FIRE ALARM SYSTEM SO THAT UPON ACTIVATION OF SYSTEM DAMPER CLOSES.
- 4 UP TO FIRE/SMOKE DAMPER ON SECOND FLOOR.
- 5 INSTALL CARD READER ON NEW SQUARE BOLLARD. REFER TO ARCHITECTURAL DRAWING.
- 6 PROVIDE CAMERA ON BUILDING EXTERIOR WITH WALL MOUNTED BRACKET.

MECH / PLUMB / ELECTRICAL ENGINEER:

**LANKFORD + associates**  
 1730 WALNUT STREET  
 KANSAS CITY, MISSOURI 64108  
 TEL. (816) 221-1411  
 FAX. (816) 221-1429



**NOTE:**  
 ALL CONDUITS SHALL BE ROUTED BELOW FIRST FLOOR FOR WIRING DEVICES. CONDUITS SHALL BE STUBBED UP THRU FLOOR AT WIRING DEVICE LOCATION. DRILL FLOOR AS REQUIRED FOR CONDUIT INSTALLATION THRU FLOOR.

**FIRST FLOOR PLAN-SYSTEMS**  
 SCALE: 1/8"=1'-0"

# HISTORIC TRUMAN COURTHOUSE

## INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

PROJECT NO.	
DATE	10-19-2012
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**FIRST FLOOR PLAN SYSTEMS**  
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**E-301**

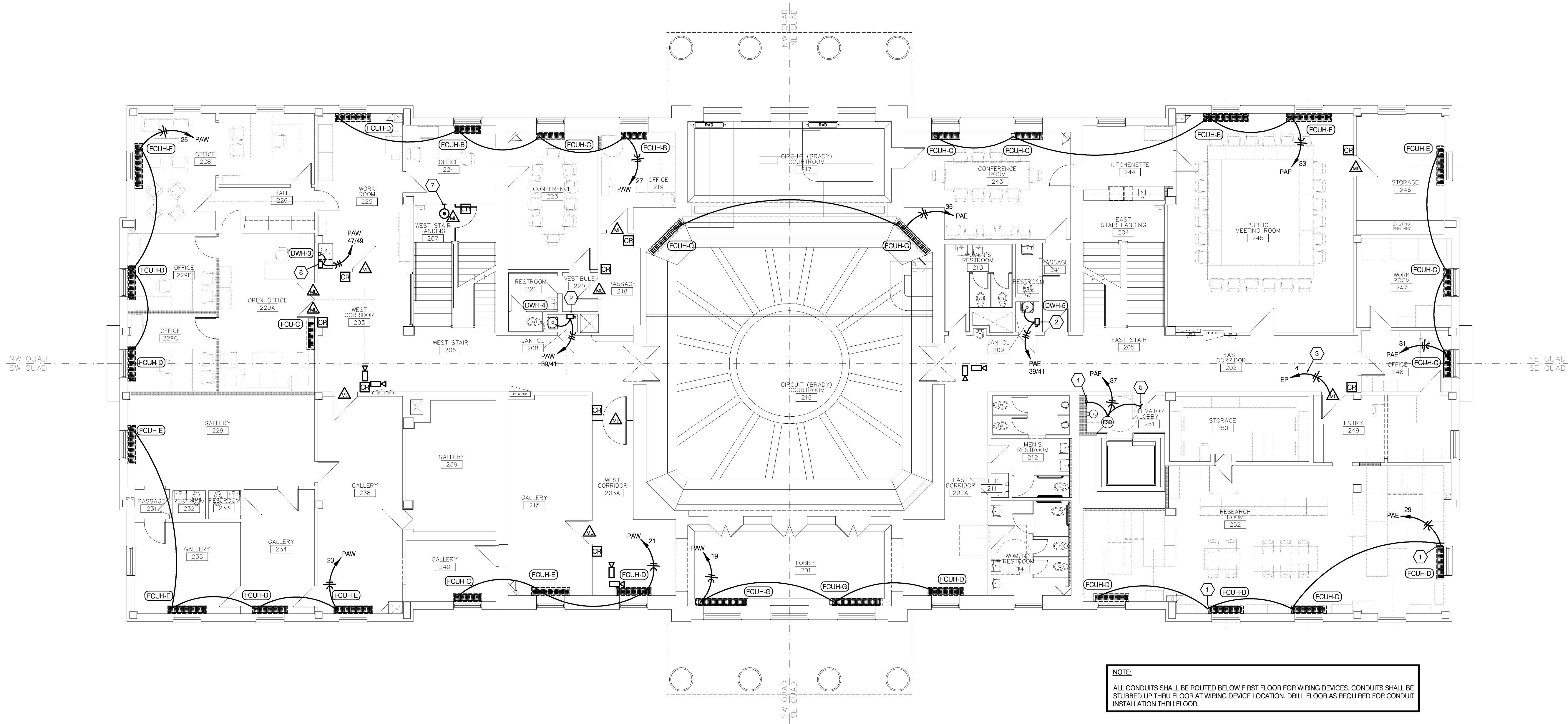
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### FLOOR PLAN NOTES

- 1 FCU IS FURNISHED WITH CONDENSATE PUMP INSTALLED IN HOUSING. PROVIDE 15A/1P HORSEPOWER RATED TOGGLE SWITCH IN HOUSING FOR PUMP. CONNECT PUMP TO SAME CIRCUIT AS FCU.
- 2 30A/2P, NON-FUSED NEMA 1 DISCONNECT SWITCH.
- 3 ALL MAG LOCKS SHALL BE CONNECTED TO THIS CIRCUIT. RUN HOMERUN THRU RELAY LOCATED AT PANEL. 3/4"C, 2-#12 & 1-#12 GROUND WIRE.
- 4 DOWN TO FIRE/SMOKE DAMPER ON FIRST FLOOR.
- 5 CONNECT TO FIRE ALARM SYSTEM SO THAT UPON ACTIVATION OF SYSTEM DAMPER CLOSES.
- 6 60A/2P, NON-FUSED NEMA 1 DISCONNECT SWITCH INSTALLED BELOW COUNTER FOR WATER HEATER.
- 7 EMERGENCY EXIT DOOR RELEASE BUTTON. REFER TO ARCHITECTURAL DRAWINGS.

MECH / PLUMB / ELECTRICAL ENGINEER:

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 FAX. (816) 221-1429



**SECOND FLOOR PLAN-SYSTEMS**  
 SCALE: 1/8"=1'-0"



# HISTORIC TRUMAN COURTHOUSE

## INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

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PROJECT NO.	10-19-2012
DATE	10-19-2012
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REVISED DATE	DESCRIPTION

SHEET TITLE & NUMBER

SECOND FLOOR  
 PLAN SYSTEMS

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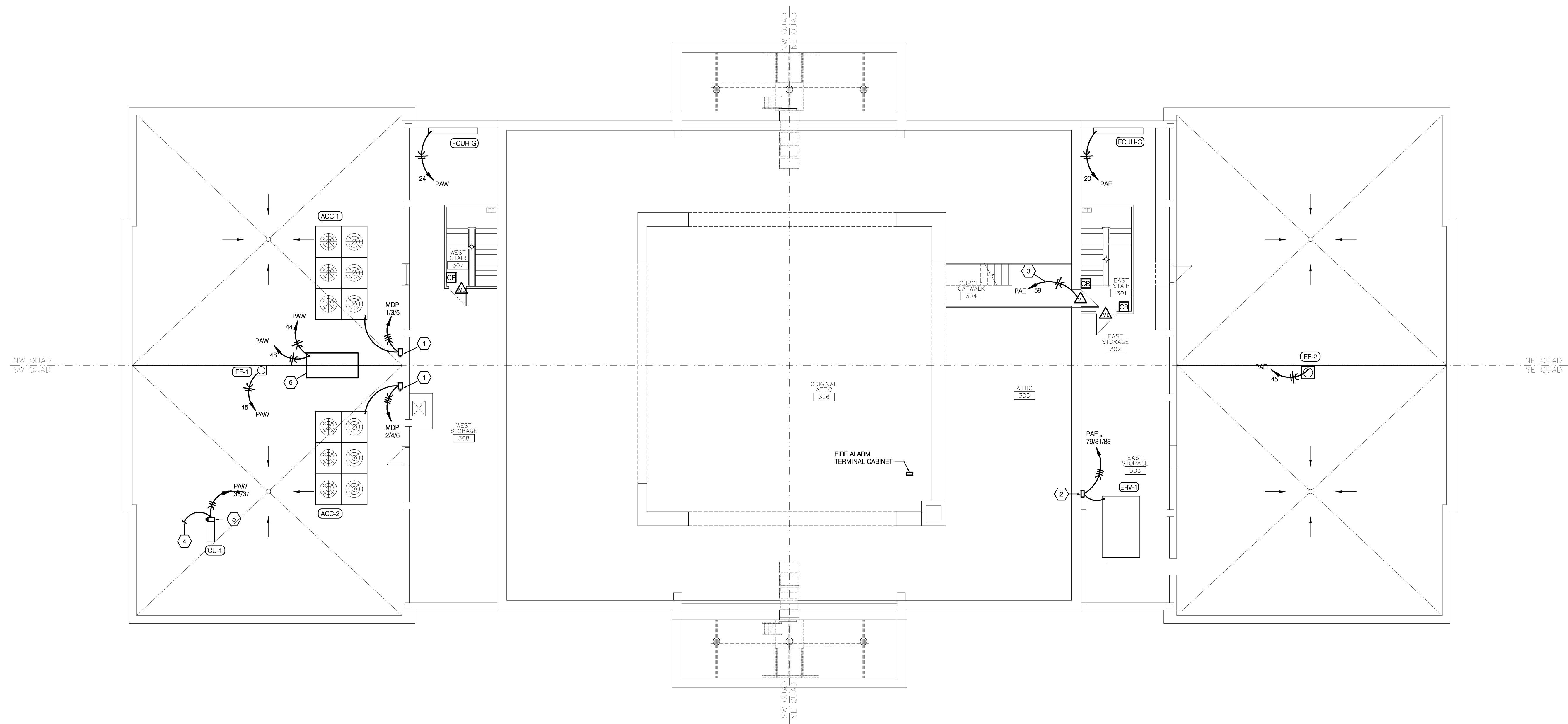


E-302

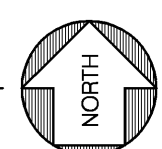
### FLOOR PLAN NOTES

- 1 60A/3P, NON-FUSED NEMA 3R DISCONNECT SWITCH.
- 2 VFD WITH BUILT-IN DISCONNECT SWITCH FURNISHED WITH UNIT.
- 3 ALL MAG LOCKS SHALL BE CONNECTED TO THIS CIRCUIT. RUN HOMERUN THRU RELAY LOCATED AT PANEL. 3/4"C, 2-#12 & 1-#12 GROUND WIRE.
- 4 DOWN TO FC-1 LOCATED ON LOWER LEVEL.
- 5 30A/2P, FUSED NEMA 3R DISCONNECT SWITCH.
- 6 60 KW GENERATOR IN A NEMA 3R ENCLOSURE WITH 200A/3P OUTPUT CIRCUIT BREAKER.

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**ATTIC/ROOF PLAN-SYSTEMS**  
 SCALE: 1/8"=1'-0"



# HISTORIC TRUMAN COURTHOUSE

## INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

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PROJECT NO.	DATE
	10-19-2012
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REVISED DATE	DESCRIPTION

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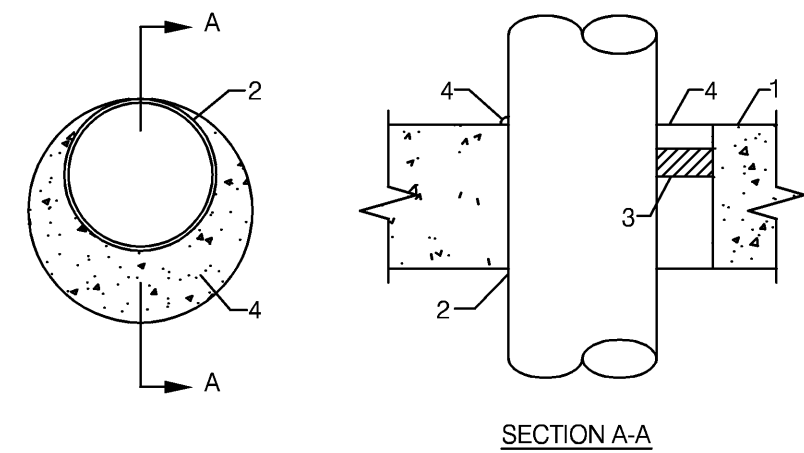
ATTIC/ROOF PLAN SYSTEMS  
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E-303

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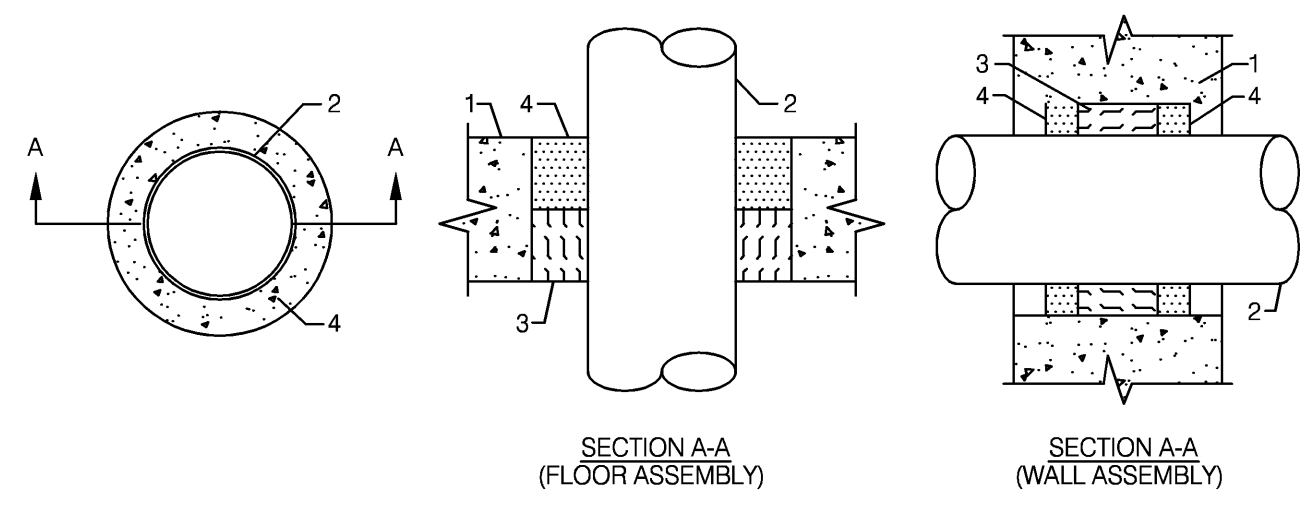


SECTION A-A  
SYSTEM NO. 49  
F RATINGS - 2 AND 3 HR. (SEE ITEM 2A)  
T RATING - 0 HR.

- 1) FLOOR OR WALL ASSEMBLY - MINIMUM 4 1/2" THICK LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL ASSEMBLY MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAXIMUM DIAMETER OF CIRCULAR THROUGH OPENING IS 22 1/2". SEE CONCRETE BLOCK (CAZT) CATEGORY IN FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
- 1A) STEEL SLEEVE - (OPTIONAL, NOT SHOWN) - NOMINAL 12" DIAMETER (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE SLEEVE CAST INTO CONCRETE FLOOR OR WALL. SLEEVE TO BE FLUSH WITH OR PROJECT MAX 2" FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL.
- 2) PIPE OR CONDUIT - NOMINAL 20" DIAMETER (OR SMALLER) SCHEDULE 10S (OR HEAVIER) STEEL PIPE, NOMINAL 6" DIAMETER (OR SMALLER) RIGID STEEL CONDUIT, NOMINAL 6" DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBE, NOMINAL 4" DIAMETER (OR SMALLER) CAST IRON PIPE OR NOMINAL 4" DIAMETER (OR SMALLER) STEEL EMT, MAXIMUM ONE PIPE OR CONDUIT PER THROUGH OPENING. MAXIMUM ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND EDGE OF THROUGH OPENING IS ZERO IN (POINT CONTACT). PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
- 2A) STEEL VENT DUCT - (NOT SHOWN) - AS AN ALTERNATE TO THE PIPE OR CONDUIT, NOMINAL 4" DIAMETER (OR SMALLER) NO. 28 GAUGE (OR HEAVIER) GALVANIZED STEEL VENT DUCT MAY BE USED IN THROUGH OPENINGS OF FLOOR ASSEMBLIES PROVIDED MAXIMUM ANNULAR SPACE DOES NOT EXCEED 7/8". WHEN STEEL VENT DUCT IS USED, F RATING IS 2 HRS.
- 3) PACKING MATERIAL - POLYETHYLENE BACKER ROD OR NOMINAL 1" THICKNESS OF TIGHTLY-PACKED CERAMIC (ALUMINA SILICA) FIBER BLANKET, MINERAL-WOOL BATT OF GLASS FIBER INSULATION MATERIAL USED AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL (ITEM 4) AS AN ALTERNATE WHEN MAXIMUM PIPE SIZE IS 10" DIAMETER AND WHEN MAXIMUM ANNULAR SPACE IS 1" OR LESS, A MINIMUM 1" THICKNESS OF TIGHTLY-PACKED CERAMIC FIBER BLANKET OR MINERAL-WOOL BATT PACKING MATERIAL MAY BE RECESSED MINIMUM 1/2" FROM BOTTOM SURFACE OF FLOOR OR FROM EITHER SIDE OF WALL.
- 4) FILL, VOID OR CAVITY MATERIALS\* - CAULK - APPLIED TO FILL THE ANNULAR SPACE TO THE MINIMUM THICKNESS SHOWN IN THE FOLLOWING TABLE:

MAXIMUM PIPE DIAMETER, (IN.)	MAXIMUM ANNULAR SPACE (IN.)	PACKING MATERIAL TYPE (a)	MINIMUM CAULK THICKNESS (IN.)
10	1	BR, CF, GF or MW	1/2 (b)
10	1	CF or MW	1/2 (c)
20	2 1/2	BR, CF, GF or MW	1 (b)

- (a) BR = POLYETHYLENE BACKER ROD.  
CF = CERAMIC FIBER BLANKET.  
GF = GLASS FIBER INSULATION.  
MW = MINERAL-WOOL BATT.
- (b) CAULK INSTALLED FLUSH WITH TOP SURFACE OF FLOOR OR BOTH SURFACE OF WALL.  
(c) CAULK INSTALLED FLUSH WITH BOTTOM SURFACE OF FLOOR OR ONE SURFACE OF WALL.
- \* BEARING THE UL CLASSIFICATION MARKING



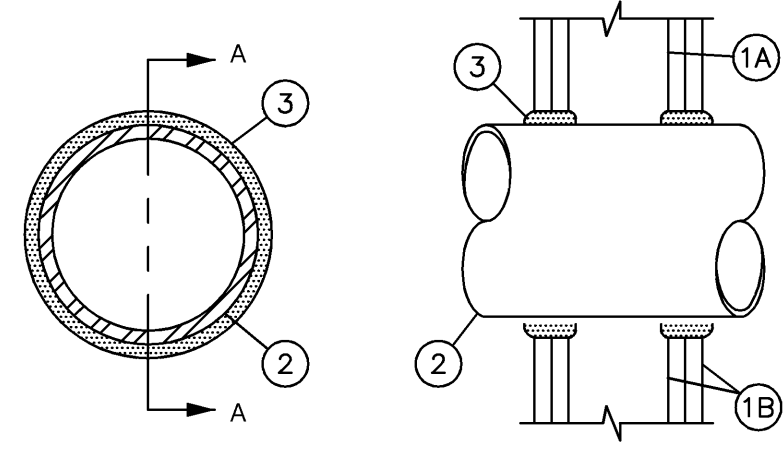
SECTION A-A (FLOOR ASSEMBLY)  
SECTION A-A (WALL ASSEMBLY)  
SYSTEM NO. CAJ1012  
(FORMERLY SYSTEM NO. 129)  
F RATINGS - 1 HR.  
T RATINGS - 0 HR.

- 1) FLOOR OR WALL ASSEMBLY - MINIMUM 5" THICK REINFORCED NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS\*. MAXIMUM DIAMETER OF OPENING IS 6". SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
- 2) THROUGH PENETRANTS - ONE METALLIC PIPE OR CONDUIT TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. A NOMINAL ANNULAR SPACE OF 3/4" IS REQUIRED WITHIN THE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE USED:  
A. STEEL PIPE - NOMINAL 4" DIAMETER (OR SMALLER) SCHEDULE 5 (OR HEAVIER) STEEL PIPE  
B. CONDUIT - NOMINAL 4" DIAMETER (OR SMALLER) ELECTRICAL METALLIC TUBING OR STEEL CONDUIT.
- 3) PACKING MATERIAL - MINIMUM 3" THICKNESS OF MINIMUM 4.4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL. PACKING MATERIAL TO BE CENTERED IN WALL'S MID-DEPTH AND RECESSED TO ALLOW FOR INSTALLATION OF FILL MATERIAL.
- 4) FILL, VOID OR CAVITY MATERIAL\* - SEALANT OR FOAM - MINIMUM 1/2" THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR. IN WALL, FILL MATERIAL TO BE APPLIED ON EACH SIDE OF PACKING MATERIAL. FOAMED SILICONE TO BE INSTALLED AS DESCRIBED IN THE MANUFACTURERS APPLICATION INSTRUCTIONS AT A DENSITY OF 14 PCF MINIMUM TO 21 PCF MAXIMUM. THE THICKNESS OF FILL MATERIAL IS DEPENDENT UPON THE TYPE OF FILL MATERIAL AS SHOWN IN THE TABLE BELOW.

FILL MATERIAL IDENTIFICATION	MINIMUM THICK OF FILL MATERIAL, (IN.)
TYPE FS FOAM	1
TYPE FS SEALANT OR FS SEALANT SL	1/2

DOW CORNING CORP. - TYPES FS SEALANT, FS SEALANT SL (FLOOR ONLY) OR FS FOAM  
\* BEARING THE UL CLASSIFICATION MARKING.

SYSTEM NO. WL1001  
(FORMERLY SYSTEM NO. 147)  
F RATINGS - 1,2,3 AND 4 HR. (SEE ITEM 2 & 3)  
T RATINGS - 0,1,2,3 AND 4 HR. (SEE ITEM 3)



SECTION A-A

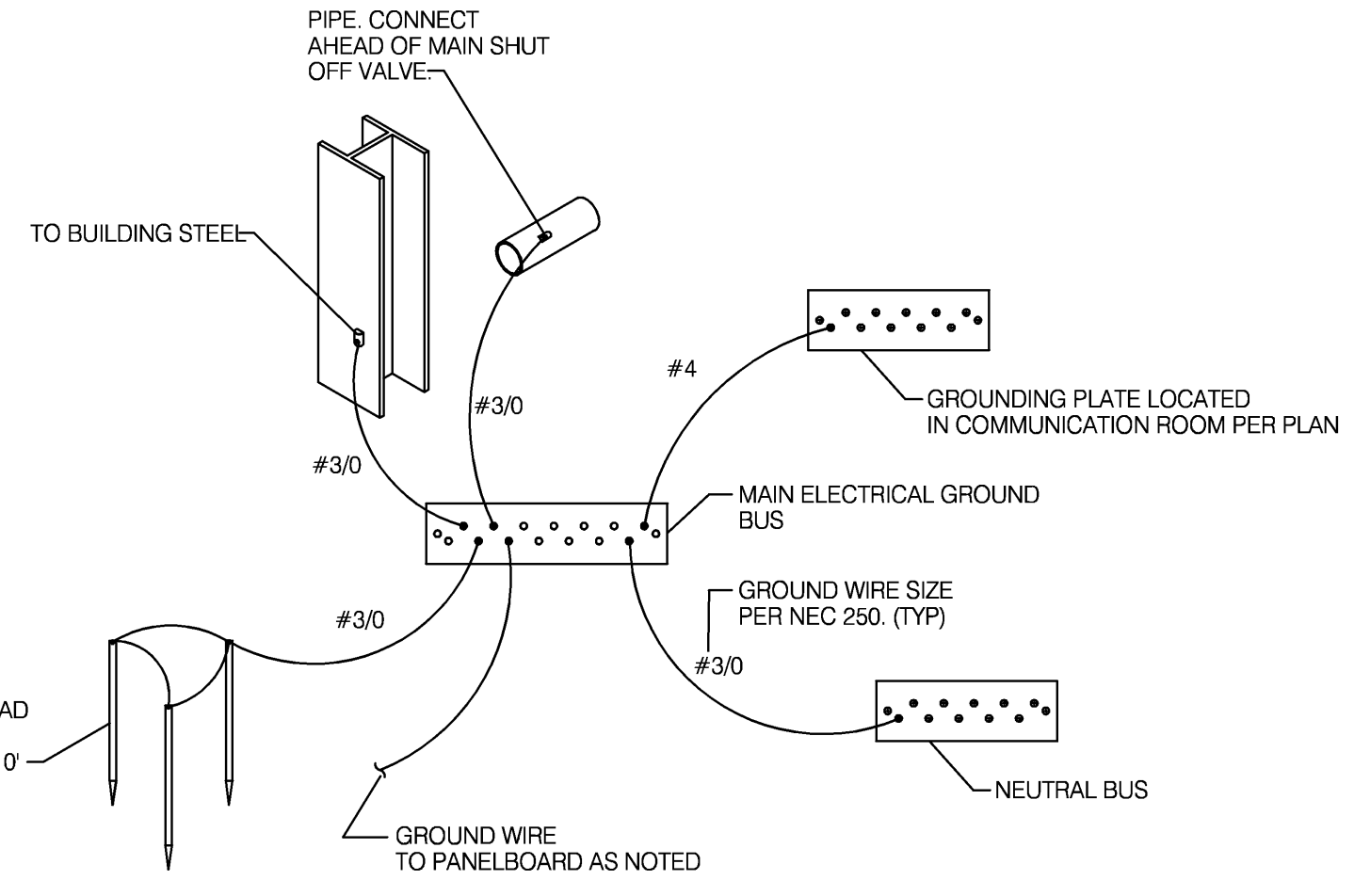
- 1) WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:  
A. STUDS-WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX. 2 HR. FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN. 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX. 24 IN. O.C.  
B. WALLBOARD, GYPSUM \*-NOM 1/2 OR 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 13-1/2 IN.
- 2) PIPE OR CONDUIT - NOM 12 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE, NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT, NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR TYPE L OR (OR HEAVIER) COPPER TUBING OR NOM 1 IN. DIAM (OR SMALLER) FLEXIBLE STEEL CONDUIT. WHEN COPPER PIPE OR FLEXIBLE STEEL CONDUIT IS USED, MAX F RATING OF FIRESTOP SYSTEM (ITEM 3) IS 2 HR. STEEL PIPES OR CONDUITS LARGER THAN NOM 4 IN. DIAM MAY ONLY BE USED IN WALLS CONSTRUCTED USING STEEL CHANNEL STUDS. A MAX OF ONE PIPE OR CONDUIT IS PERMITTED IN THE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.
- 3) FILL, VOID OR CAVITY MATERIAL \*-CAULK-CAULK FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH A MIN. 1/4 IN. DIAM BEAD OF CAULK APPLIED TO PERIMETER OF PIPE OR CONDUIT AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OF SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAX PIPE OR CONDUIT DIAM IN.	ANNULAR SPACE IN.	F RATING HR	T RATING OR 3 OR 4
1	0 TO 3/16	1 OR 2	0+ 1 OR 2
1	1/4 TO 1/2	3 OR 4	3 OR 4
4	0 TO 1/4	1 OR 2	0
6	1/4 TO 1/2	3 OR 4	0
12	3/16 TO 3/8	1 OR 2	0

+ WHEN COPPER PIPE IS USED, T RATING IS 0 HR.  
MINNESOTA MINING & MFG. CO.-TYPE CP-25 S/L, CP-25 N/S, CP-25 W/B, CP-25 W/B+

\* BEARING THE UL CLASSIFICATION MARKING.

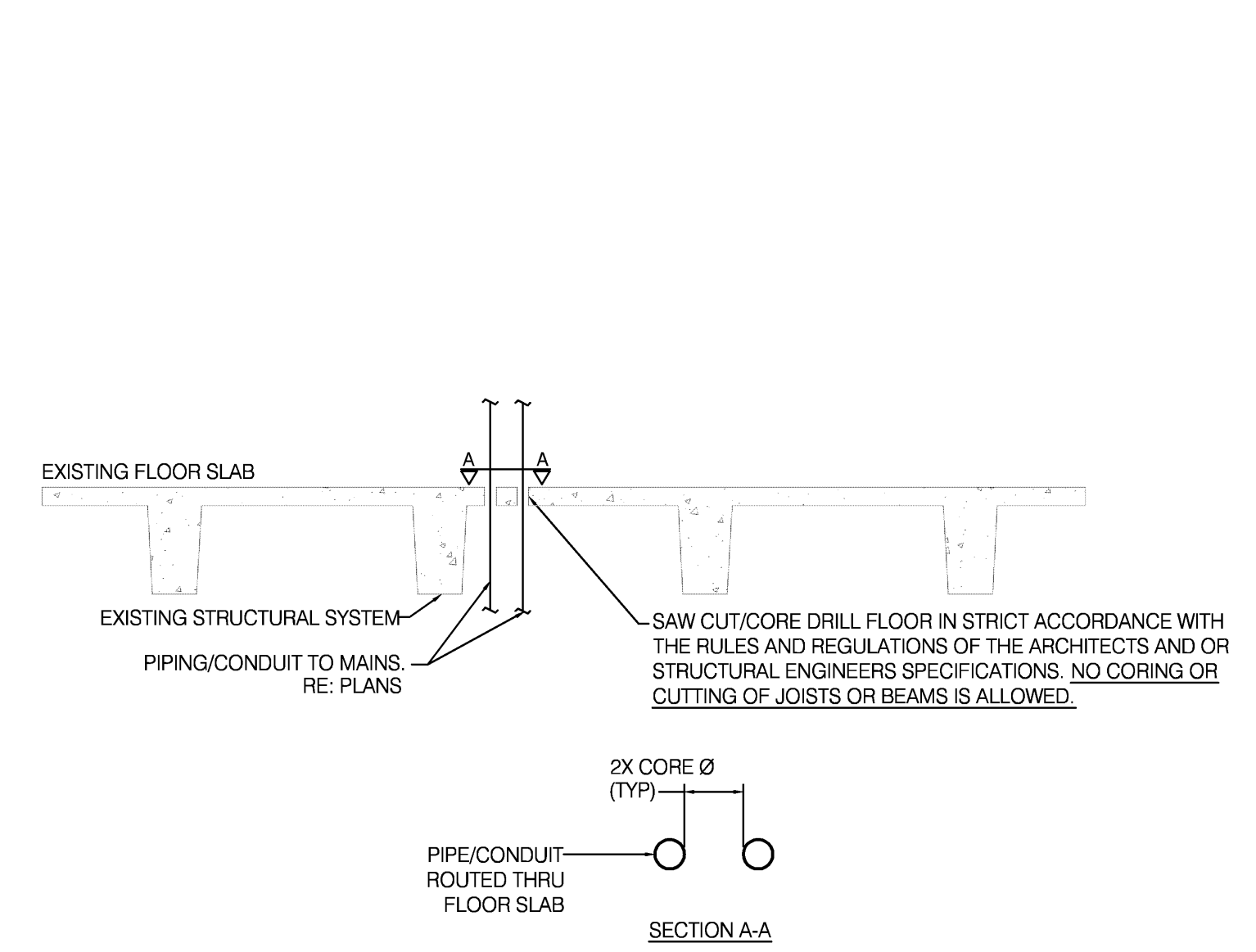
### 1 CONCRETE WALL/FLOOR FIRE STOPPING DETAIL NO SCALE



- NOTE:  
1. ALL WIRING SHALL BE TYPE THHN/THWN  
2. MAIN GROUP RODS ARE TO BE LOCATED AT SERVICE ENTRANCE WITH SIZE AND QUANTITY PER SPECIFICATIONS.  
3. EQUIPMENT GROUNDING CONDUCTORS SMALLER THAN 6 AWG SHALL BE PROTECTED PER NEC 250.120(C)

### 3 MAIN SERVICE ENTRANCE GROUNDING DETAIL NO SCALE

### 2 GYPSUM/STUD WALL FIRE STOPPING DETAIL NO SCALE



TYPICAL FLOOR PENETRATION LAYOUT  
ANY ADJACENT PIPING/CONDUIT PENETRATIONS SHALL BE COORDINATED AND HAVE THE SAME TYPICAL CORE SPACING.

### 4 TYPICAL CORE THRU FLOOR LOCATION DETAIL NO SCALE

DWG FILE: P:\0000\0408\_Jackson County Historic Court House\Drawings\0408E-00-01.dwg USER: snewp PLOT DATE/TIME: 10/19/2012 10:46am

MECH / PLUMB / ELECTRICAL ENGINEER:  
**LANKFORD + associates**  
1730 WALNUT STREET  
KANSAS CITY, MISSOURI 64108  
TEL. (816) 221-1411  
FAX. (816) 221-1429

# HISTORIC TRUMAN COURTHOUSE INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

PROJECT NO.	DATE
	10-19-2012
DRAWN BY	IDB/SMP
CHECKED BY	DWE
CHECKED BY	LDR
REVISED DATE	DESCRIPTION

SHEET TITLE & NUMBER

ELECTRICAL DETAILS

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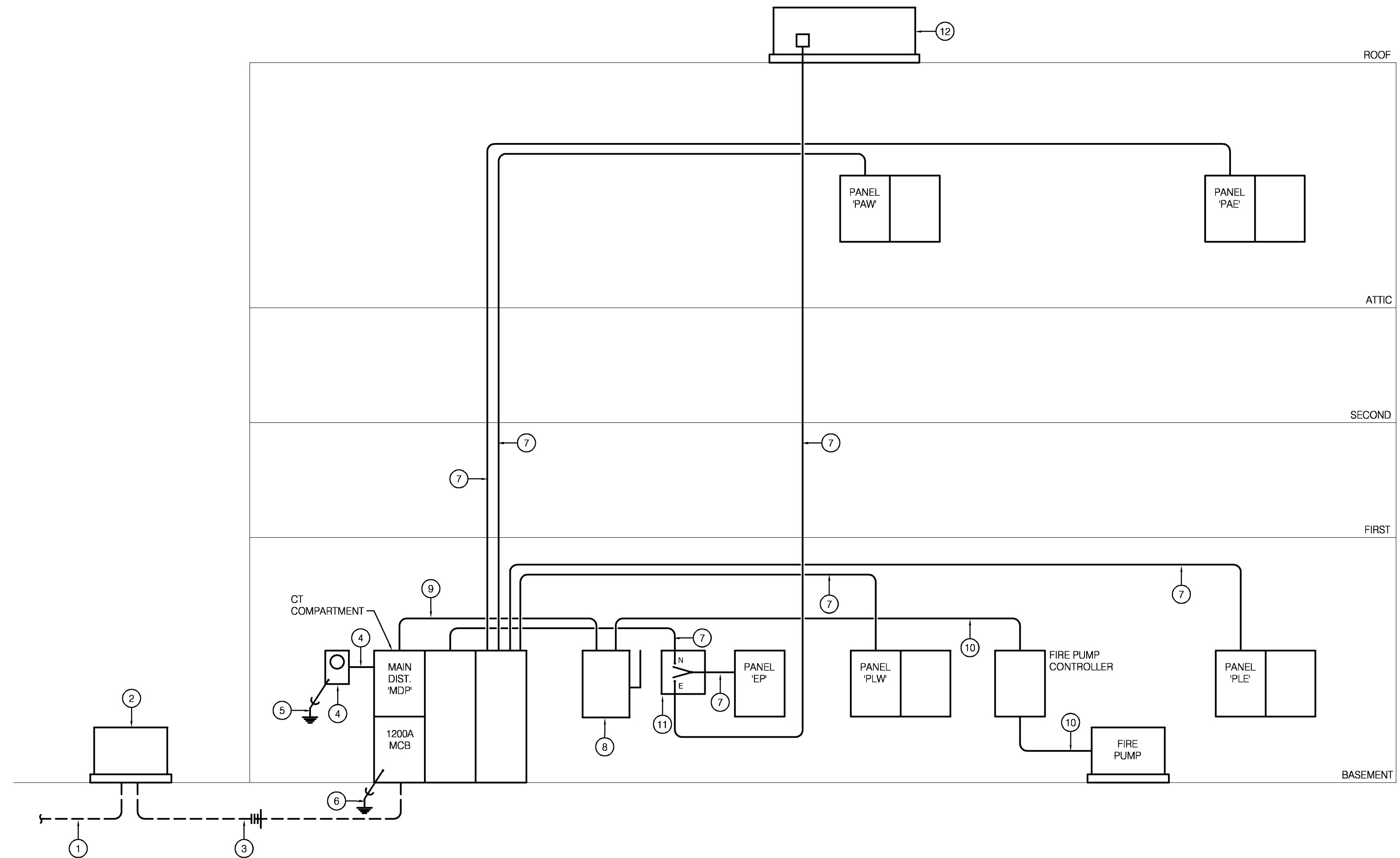
E-400

LIGHT FIXTURE SCHEDULE					
TYPE	MANUFACTURER	LAMPS	WATTS VOLTS	DESCRIPTION	NOTES
A1	DAY-BRITE IA-2-32-120 OR EQUAL BY METALUX, HE WILLIAMS, LITHONIA	(2) 32W T8 3000K, 85 CRI	58 120	NOMINAL 4' LONG INDUSTRIAL STRIP FIXTURE WITH APERTURED REFLECTOR AND ELECTRONIC BALLAST. PROVIDE WITH AIRCRAFT CABLE MOUNTING SUSPENSION KIT.	
A2	DAY-BRITE TIA-2-32-120 OR EQUAL BY METALUX, HE WILLIAMS, LITHONIA	(4) 32W T8 3000K, 85 CRI	116 120	NOMINAL 8' LONG INDUSTRIAL STRIP FIXTURE WITH APERTURED REFLECTOR AND ELECTRONIC BALLAST. PROVIDE WITH AIRCRAFT CABLE MOUNTING SUSPENSION KIT.	
B1	VISA LIGHTING CF4514-2QF26-XXX	(2) 26W THT 3000K, 85 CRI	52 120	14" DIAMETER SCHOOLHOUSE PENDANT FIXTURE WITH COMPACT FLUORESCENT LAMPING. FINISH TO BE SELECTED BY ARCHITECT.	
B2	VISA LIGHTING CF4516-2QF26-XXX	(2) 26W THT 3000K, 85 CRI	52 120	16" DIAMETER SCHOOLHOUSE PENDANT FIXTURE WITH COMPACT FLUORESCENT LAMPING. FINISH TO BE SELECTED BY ARCHITECT.	
D1	PRESCOLITE 9424-13-HPF OR APPROVED EQUAL	(1) 13W CFL 3000K, 85 CRI	15 120	NOMINAL 9" DIAMETER SURFACE CEILING MOUNTED COMPACT FLUORESCENT FIXTURE WITH POLYCARBONATE LENS.	
C1	LINEAR LIGHTING D675-B-2-ETB-120-AL-COX- AP-4	(2) 32W T8 3000K, 85 CRI	58 120	NOMINAL 4' LONG LINEAR DIRECT/INDIRECT PENDANT FIXTURE WITH 2 LAMP CROSS SECTION, ELECTRONIC BALLAST AND ADJUSTABLE AIRCRAFT CABLE SUSPENSION.	1
C2	LINEAR LIGHTING D675-B-2-ETB-120-AL-COX- AP-8	(4) 32W T8 3000K, 85 CRI	116 120	NOMINAL 8' LONG LINEAR DIRECT/INDIRECT PENDANT FIXTURE WITH 2 LAMP CROSS SECTION, ELECTRONIC BALLAST AND ADJUSTABLE AIRCRAFT CABLE SUSPENSION.	1
F1	LINEAR LIGHTING IL216-B-2-ET5H-C-120-SK-COX- AP-4	(2) 54W T5HO 3000K, 85 CRI	120 120	NOMINAL 4' LONG LINEAR DIRECT/INDIRECT PENDANT FIXTURE WITH 2 LAMP CROSS SECTION, ELECTRONIC BALLAST AND ADJUSTABLE AIRCRAFT CABLE SUSPENSION.	1
F2	LINEAR LIGHTING IL216-B-2-ET5H-C-120-SK-COX- AP-8	(4) 54W T5HO 3000K, 85 CRI	240 120	NOMINAL 8' LONG LINEAR DIRECT/INDIRECT PENDANT FIXTURE WITH 2 LAMP CROSS SECTION, ELECTRONIC BALLAST AND ADJUSTABLE AIRCRAFT CABLE SUSPENSION.	1
G1	INTENSE LIGHTING MB-1200-309-DIM-W-FL32	LED 1200 LUMEN	21 120	LED ADJUSTABLE TRACK HEAD. PROVIDE WITH MATCHING SINGLE ORBIT SURFACE MOUNTED TRACK.	2
H1	FINELITE S16WA-WCB-4-2-TSHO-SC-EP- 120	(2) 54W T5HO 3000K, 85 CRI	120 120	NOMINAL 4' LONG LINEAR DIRECT/INDIRECT WALL MOUNTED FIXTURE WITH 2 LAMP CROSS SECTION, WHITE PAINTED FINISH AND ELECTRONIC BALLAST.	3
I & J	NOT USED				
K1	VISA LIGHTING CM1001-2QF26-XXX	(2) 26W THT 3000K, 85 CRI	52 120	14" DIAMETER SCHOOLHOUSE SURFACE MOUNT FIXTURE WITH COMPACT FLUORESCENT LAMPING. FINISH TO BE SELECTED BY ARCHITECT.	
L2	DAY-BRITE 5-LUC-1-14-W-120-RS OR EQUAL BY METALUX, HE WILLIAMS, LITHONIA	(1) 14W T5 3000K, 85 CRI	17 120	NOMINAL 2' LONG LINEAR FLUORESCENT UNDERCABINET FIXTURE WITH ROCKER SWITCH.	
L3	DAY-BRITE 5-LUC-1-21-W-120-RS OR EQUAL BY METALUX, HE WILLIAMS, LITHONIA	(1) 21W T5 3000K, 85 CRI	24 120	NOMINAL 3' LONG LINEAR FLUORESCENT UNDERCABINET FIXTURE WITH ROCKER SWITCH.	
L4	DAY-BRITE 5-LUC-1-28-W-120-RS OR EQUAL BY METALUX, HE WILLIAMS, LITHONIA	(1) 28W T5 3000K, 85 CRI	30 120	NOMINAL 4' LONG LINEAR FLUORESCENT UNDERCABINET FIXTURE WITH ROCKER SWITCH.	
M1	TO BE DETERMINED		100 120	PROVIDE ALLOWANCE OF \$450 PER FIXTURE.	
N1	DAY-BRITE 2-QF-3-32-FS-12-120 OR EQUAL BY METALUX, HE WILLIAMS, LITHONIA	(3) 32W T8 3000K, 85 CRI	88 120	NOMINAL 2' BY 4' RECESSED STATIC TROFFER WITH 3 LAMP CROSS SECTION, 0.125" THICK PRISMATIC LENS AND ELECTRONIC BALLAST.	
X1	CHLORIDE ESL-3-81 OR EQUAL BY SURE-LITES, LITHONIA	LED W/ FIXTURE	2 120	ALUMINUM EXIT SIGN WITH RED LETTERING, ALUMINUM FACE, UNIVERSAL MOUNTING.	

SPECIFIC NOTES:  
 1 REFERENCE PLANS FOR OVERALL RUN LENGTH.  
 2 REFERENCE PLANS FOR TRACK LENGTH.  
 3 COORDINATE MOUNTING HEIGHT WITH ARCHITECT.

SUBSTITUTION NOTES:  
 THE LIGHTING DESIGN FOR THIS PROJECT IS BASED UPON THE MANUFACTURER'S SPECIFIED. IF AN ADDITIONAL SUBSTITUTION IS DESIRED BY THE  
 CONTRACTOR, A SUBSTITUTION REQUEST SUBMITTAL MUST BE PROVIDED AS FOLLOWS:  
 S1. SUBSTITUTION REQUEST MUST BE RECEIVED BY THE ENGINEER IN WRITING 10 DAYS PRIOR TO BID. FAILURE TO SUBMIT CONSTITUTES  
 A GUARANTEE TO SUPPLY THE SPECIFIED FIXTURES.  
 S2. INFORMATION IS TO BE SUPPLIED COMPARING PHOTOMETRY, (WITH FLOOR PLANS INDICATING POINT BY POINT CALCULATIONS)  
 DIMENSIONS, MATERIAL COMPOSITION, FINISH, VISUAL APPEARANCE AS WELL AS THE 'CONTRACTOR NET' PRICING. SAMPLES ARE  
 TO BE PROVIDED UPON REQUEST.  
 S3. GREAT CARE, TIME AND EXPENSE HAVE BEEN USED TO PROVIDE OUR CLIENT WITH THE LIGHTING AND CONTROLS SYSTEM.  
 THEREFORE, FOR EACH AND EVERY TYPE OF FIXTURE OFFERED AS AN UNSOLICITED ALTERNATE, A \$500.00 FEE WILL BE CHARGED TO THE  
 CONTRACTOR FOR REVIEW OF THE ALTERNATE FIXTURE. THIS CHARGE IS IN NO WAY A GUARANTEE OF APPROVAL, BUT IS SOLELY TO COMPENSATE  
 THE ENGINEER FOR TIME SPENT VALIDATING EQUALITY AND COMPATIBILITY WITH THE PROJECT REQUIREMENTS. THIS REIMBURSEMENT MUST BE  
 RECEIVED BY THE ENGINEER PRIOR TO ANY REVIEW COMMENCING.

GENERAL NOTE:  
 G1. ELECTRICAL CONTRACTOR SHALL VERIFY CEILING TYPE PRIOR TO ORDERING ANY LIGHT FIXTURES.



## ELECTRICAL RISER DIAGRAM

NO SCALE

### RISER NOTES

- ① (1) 4" PVC CONDUIT FOR PRIMARY SERVICE CABLES. TERMINATE AS DIRECTED BY UTILITY COMPANY. INSTALL CONDUIT WITH TOP MINIMUM OF 30" BELOW FINISHED GRADE.
- ② UTILITY COMPANY PAD MOUNTED TRANSFORMER WITH 208Y/120V, 3-PHASE, 4-WIRE SECONDARY. INSTALL CONCRETE PAD PER UTILITY COMPANY REQUIREMENTS.
- ③ (4) SETS OF 3" PVC CONDUIT WITH 4-#350 KCMIL IN EACH. INSTALL CONDUITS WITH TOP MINIMUM OF 30" BELOW FINISHED GRADE.
- ④ UTILITY COMPANY METER CAN/SOCKET PER UTILITY COMPANY STANDARDS. PROVIDE/INSTALL 1" CONDUIT BETWEEN MDP AND METER CAN.
- ⑤ #6 GROUND WIRE. CONNECT TO 1/2" X 8'-0" LONG COPPER CLAD STEEL DRIVEN GROUND ROD.
- ⑥ SERVICE GROUND. SEE DETAIL.
- ⑦ 2'C, 4-#3/0 & 1-#6 GROUND WIRE.
- ⑧ 800A/3P FUSED NEMA 1 DISCONNECT SWITCH WITH (3) 800A-KRP-C FUSES. SEE LABEL.
- ⑨ 2'C, 3-#4/0 & 1-#2 GROUND WIRE. TAP CONDUCTORS AHEAD OF MAIN CIRCUIT BREAKER IN PANEL 'MDP'.
- ⑩ 2'C, 3-#4/0 & 1-#2 GROUND WIRE.
- ⑪ 200A, 120/208V, 3-PHASE, 4-WIRE AUTOMATIC TRANSFER SWITCH IN NEMA 1 ENCLOSURE.
- ⑫ 60 KW, 120/208V, 3-PHASE, 4-WIRE NATURAL GAS GENERATOR ON ROOF IN NEMA 3R ENCLOSURE. PROVIDE WITH 200A/3P OUTPUT CIRCUIT BREAKER.

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