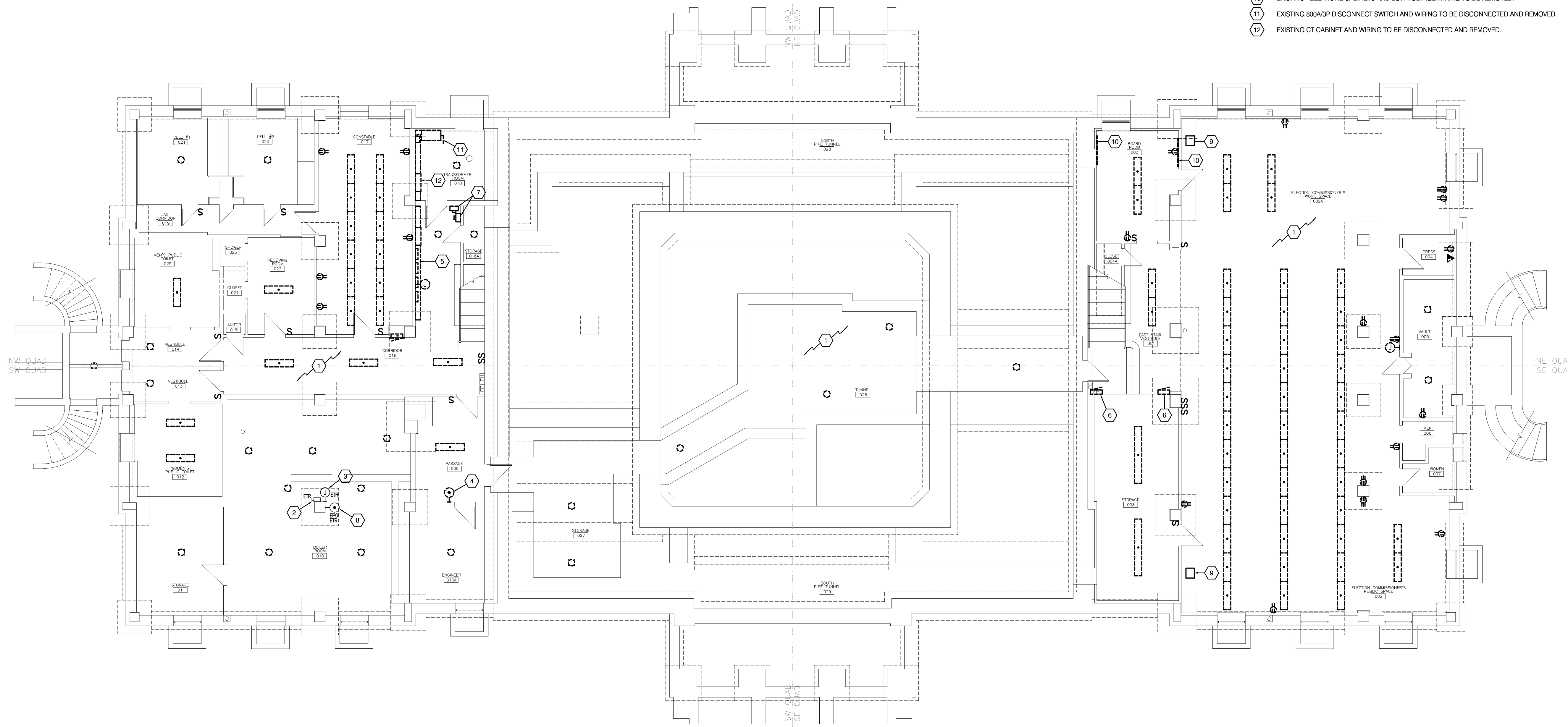
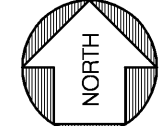


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LOWER LEVEL DEMOLITION FLOOR PLAN-ELECTRICAL
SCALE: 1/8" = 1'-0"



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. TYPICAL ENTIRE FLOOR.
- 2 EXISTING 300A/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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HISTORIC TRUMAN COURTHOUSE

INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

PROJECT NO.	10-19-2012
DATE	JDB/SMP
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REVISION	DESCRIPTION
11-06-12	ADDENDUM #2

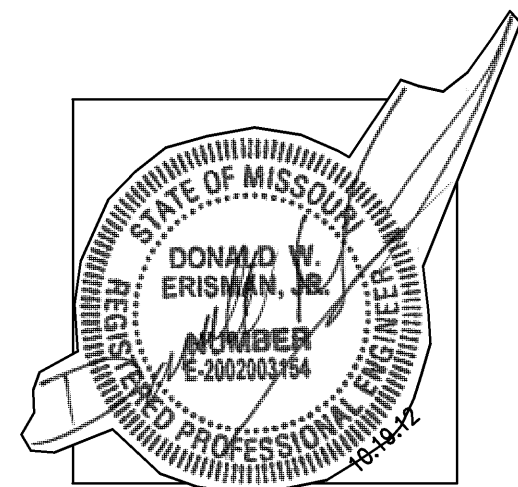
LOWER LEVEL DEMO FLOOR PLAN ELECTRICAL

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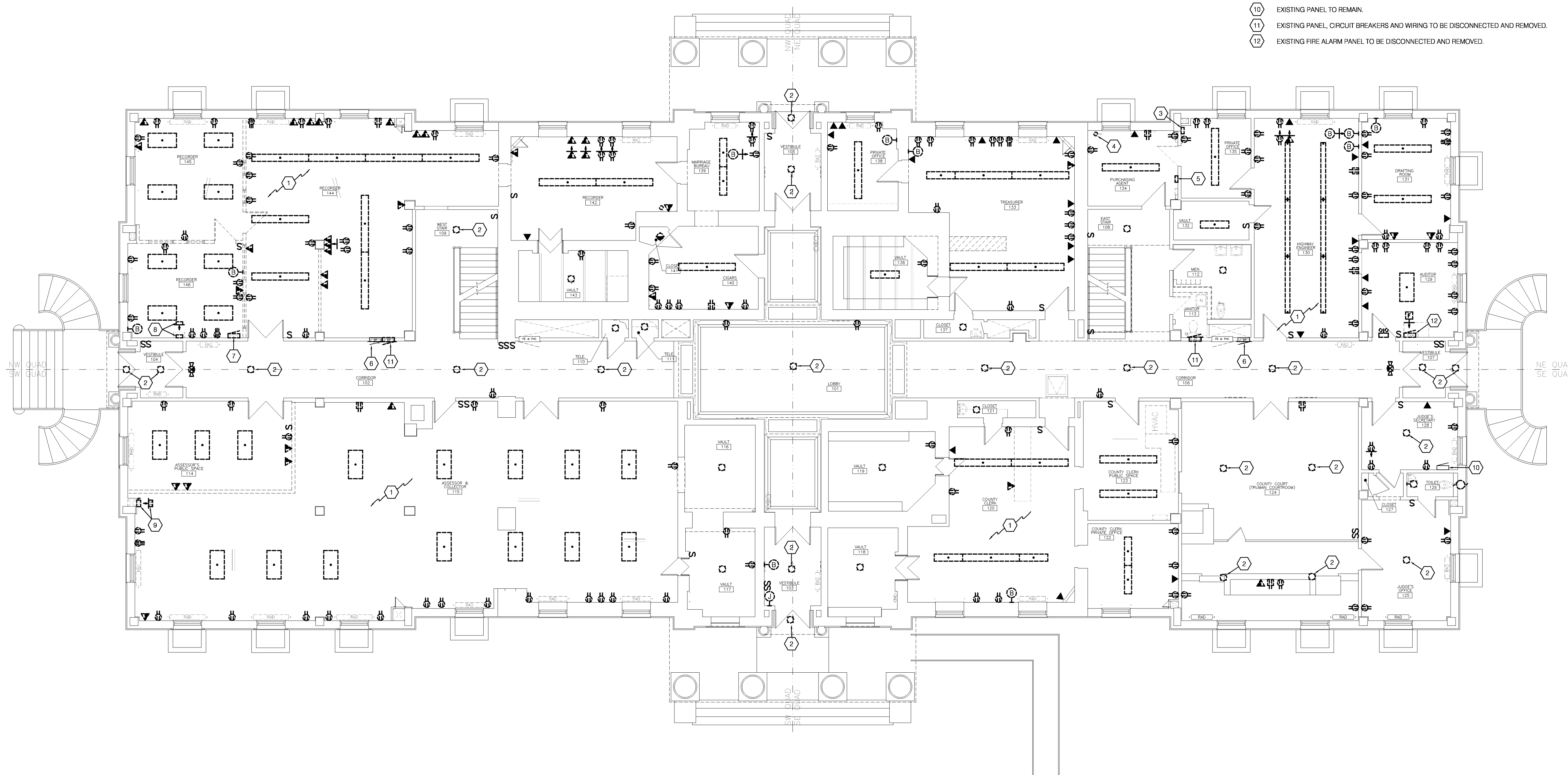


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FLOOR PLAN NOTES

- 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. TYPICAL ENTIRE FLOOR.
- 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.



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

HISTORIC TRUMAN COURTHOUSE

INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

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FIRST FLOOR DEMO PLAN ELECTRICAL

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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. TYPICAL ENTIRE FLOOR.
- 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

ISSUED FOR CONSTRUCTION

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11-06-12	ADDENDUM #2

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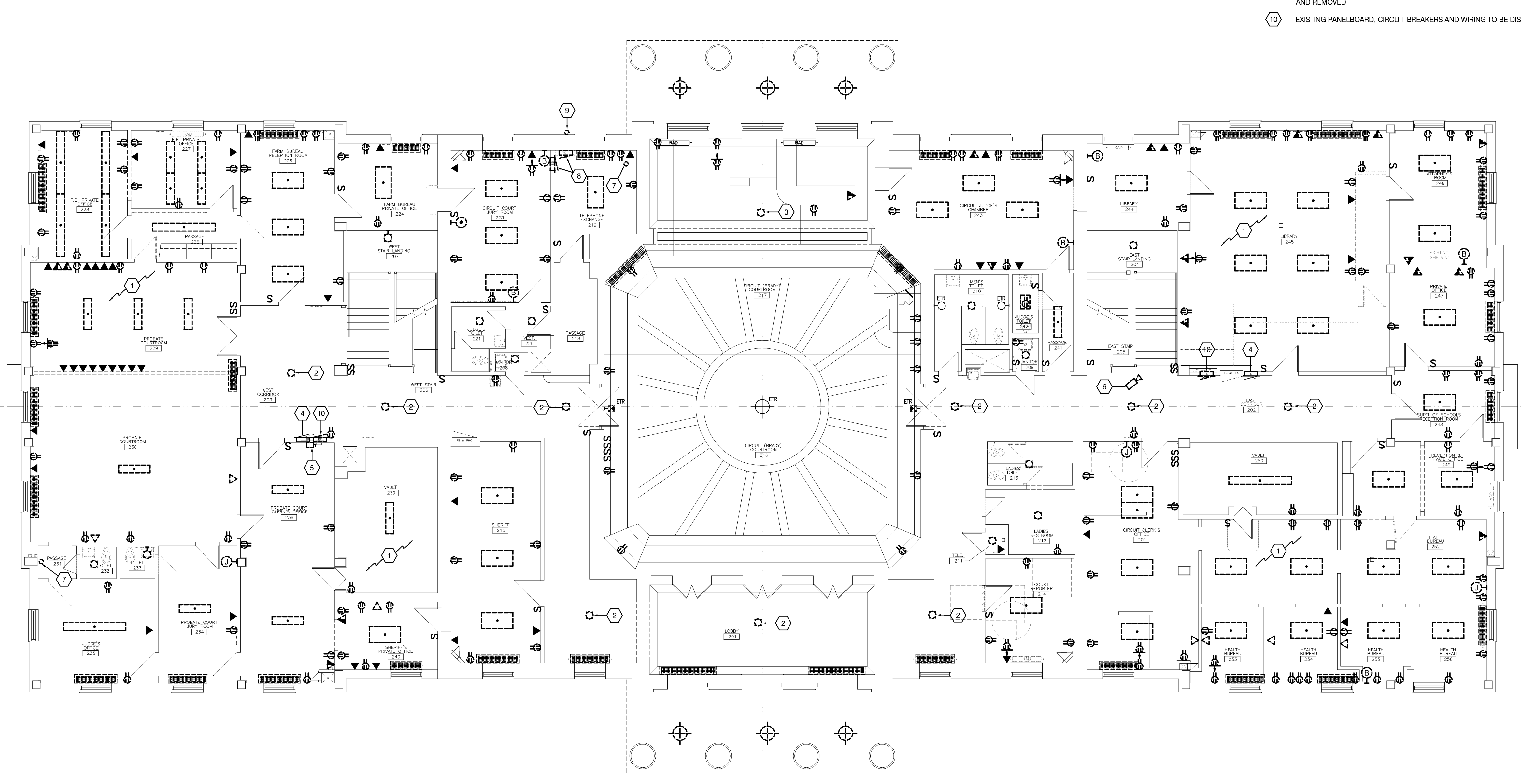
SECOND FLOOR DEMO PLAN ELECTRICAL

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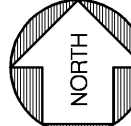


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ED-102



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. TYPICAL ENTIRE FLOOR.
- 2 EXISTING LIGHTING IN ATTIC SPACE TO REMAIN.



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HISTORIC TRUMAN COURTHOUSE
INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

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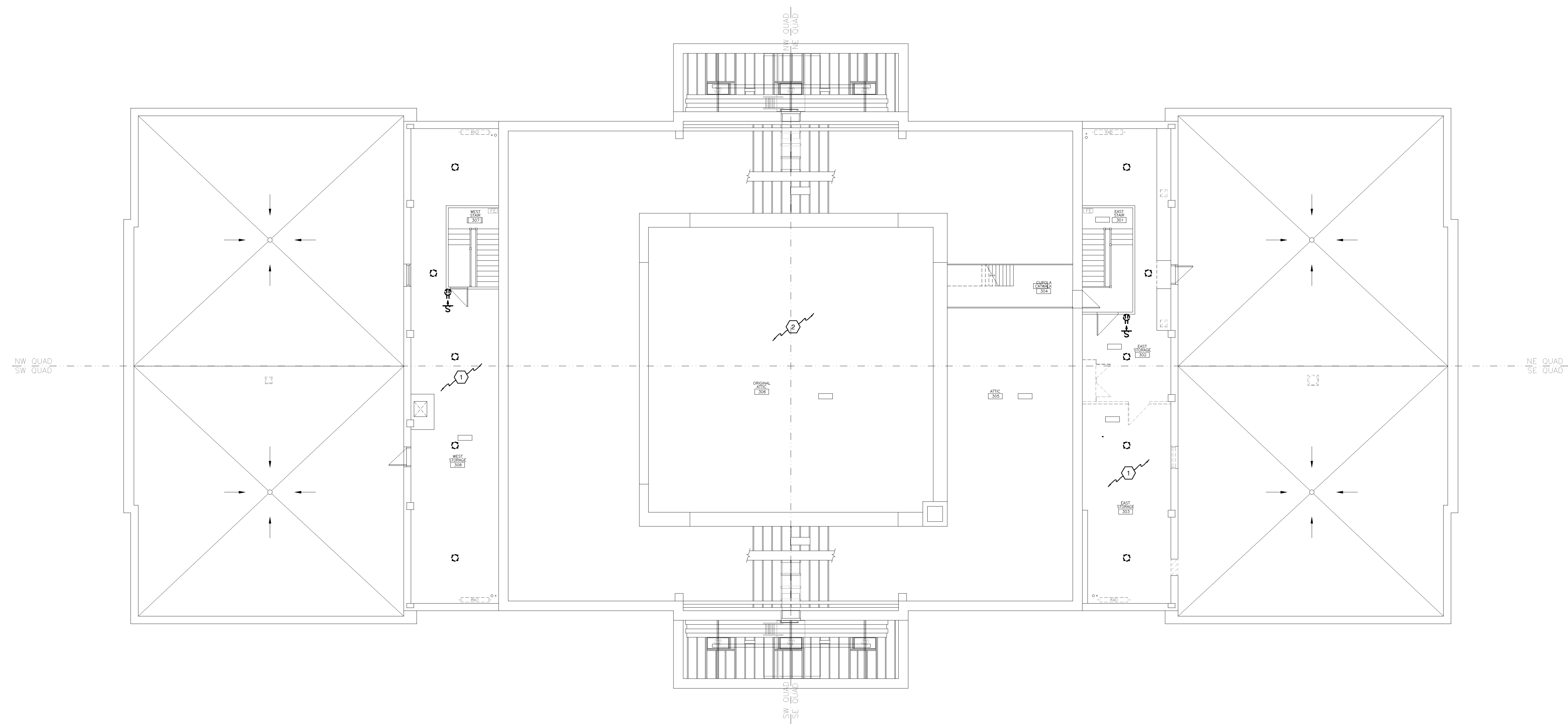
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DATE	10-19-2012
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 PLAN ELECTRICAL
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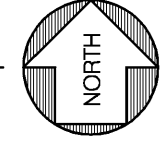


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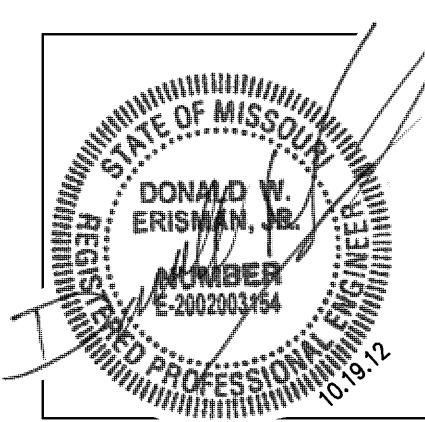
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ATTIC/ROOF DEMOLITION PLAN-ELECTRICAL
 SCALE: 1/8"=1'-0"



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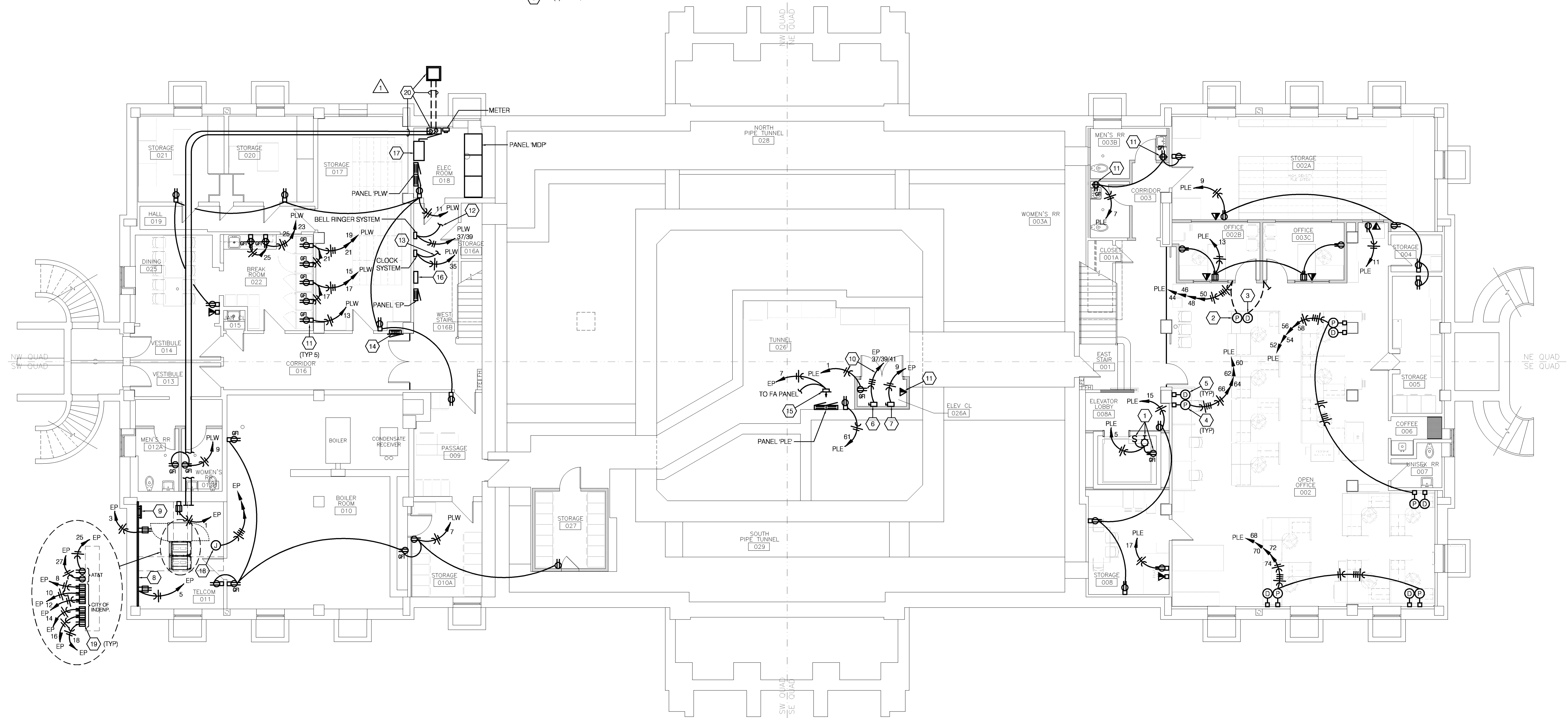


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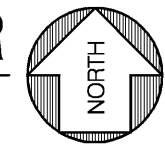
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FLOOR PLAN NOTES

- 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. SPICE 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 PROVIDE AND INSTALL (1) QUIAZITE 24X24 PG STYLE BOX TOP FLUSH M GASKETED WITH BOLT. OPEN TO THE BOTTOM WITH MIN. OF 4" OF GRAVEL BASE. FROM QUIAZITE BOX INSTALL (2) 3" PVC CONDUITS WITH (1) INNER-DUCT AND (4) MAXCELL FIBRIC SLEEVES IN EACH INTO BUILDING AND CORE DRILL EXTERIOR WALL AND CAULK/SEAL WATERTIGHT. ON WALL INSTALL (1) 24X24X10 NEMA TYPE 1 ENCLOSURE. OUT OF TOP OF BOX INSTALL (2) 3" ENT CONDUITS WITH (1) INNER-DUCT AND (4) MAXCELL FIBRIC SLEEVES OVER TO THE DEMARC / TELEPHONE ROOM. CONDUITS USED FOR TELECOMMUNICATIONS (TELEPHONE/DATA/TV) SERVICE PROVIDER CABLES. PROVIDE NYLON BUSHING ON THE END OF THE CONDUIT INSIDE THE TELEPHONE ROOM. PROVIDE (1) #6 GROUND WIRE FROM EACH CONDUIT TO THE GROUND BAR IN THIS ROOM.



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
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11-06-12	ADDENDUM #2

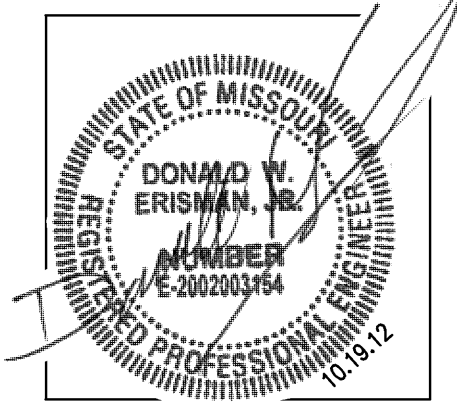
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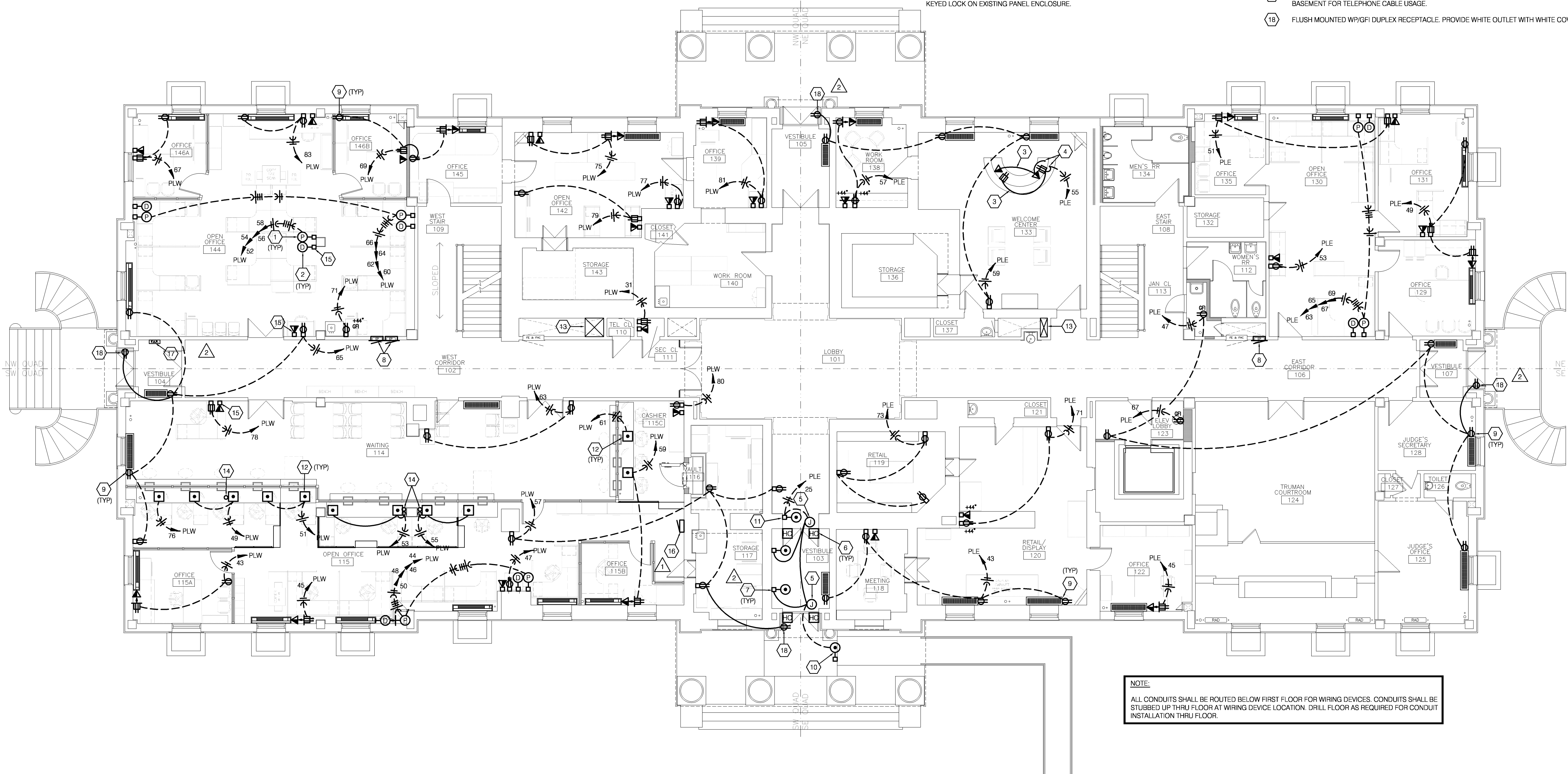
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FLOOR PLAN NOTES

- 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) 1/4" 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 RECEPTABLES 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 CONDUIT SLEEVE THRU FLOOR. CONDUIT SHALL BE STUBBED UP BELOW ACCESS FLOOR.
- 15 CONDUIT SHALL BE CONTINUOUS RUN, DOWN TO FLOOR BELOW AND THRU FLOOR AND TERMINATE IN TELCOM 011.
- 16 GENERATOR ANNUNCIATOR PANEL WITH 1-1/4" CONDUIT TO GENERATOR.
- 17 FROM FIRE ALARM CONTROL PANEL, PROVIDE AND INSTALL 3/4" CONDUIT TO DEMARC ROOM IN BASEMENT FOR TELEPHONE CABLE USAGE.
- 18 FLUSH MOUNTED WP/GFI DUPLEX RECEPTACLE. PROVIDE WHITE OUTLET WITH WHITE COVERPLATE.



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"

HISTORIC TRUMAN COURTHOUSE

INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

PROJECT NO.	10-19-2012
DATE	JDBSMP
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10-26-12	ADDENDUM #1
11-06-12	ADDENDUM #2

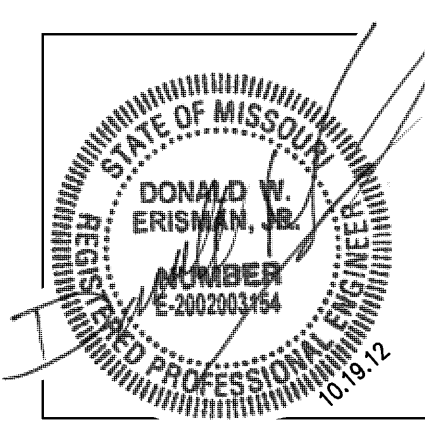
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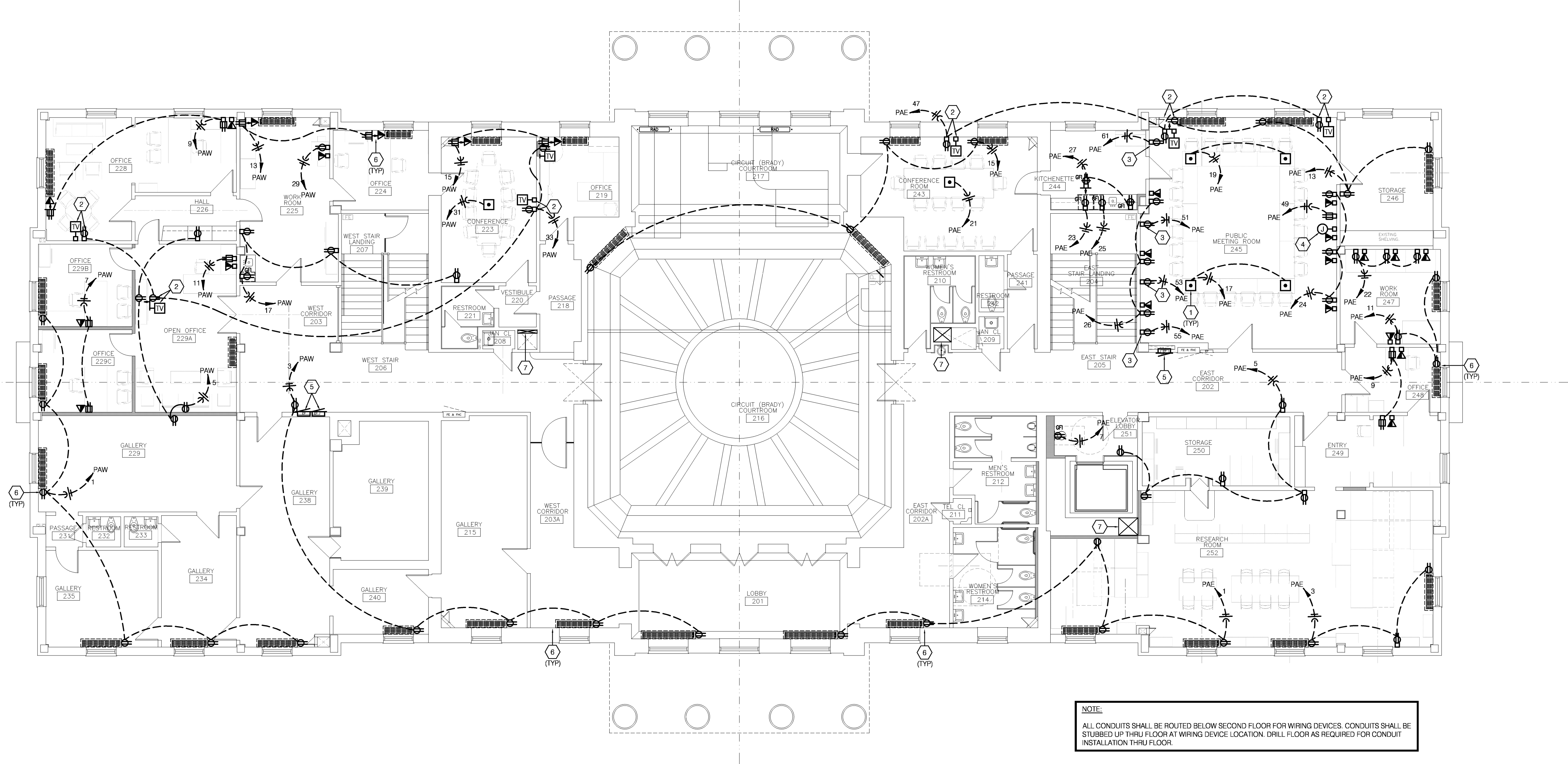


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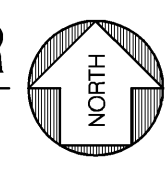
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FLOOR PLAN NOTES

- 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.



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



HISTORIC TRUMAN COURTHOUSE INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

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SECOND FLOOR
 PLAN POWER

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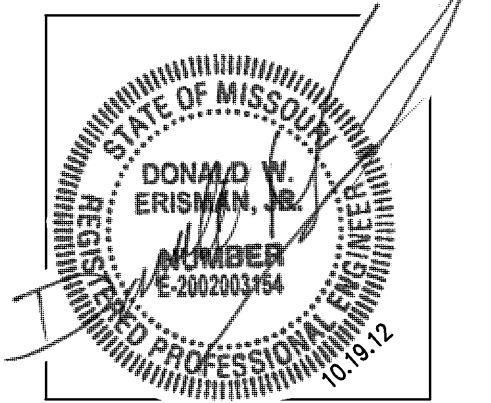


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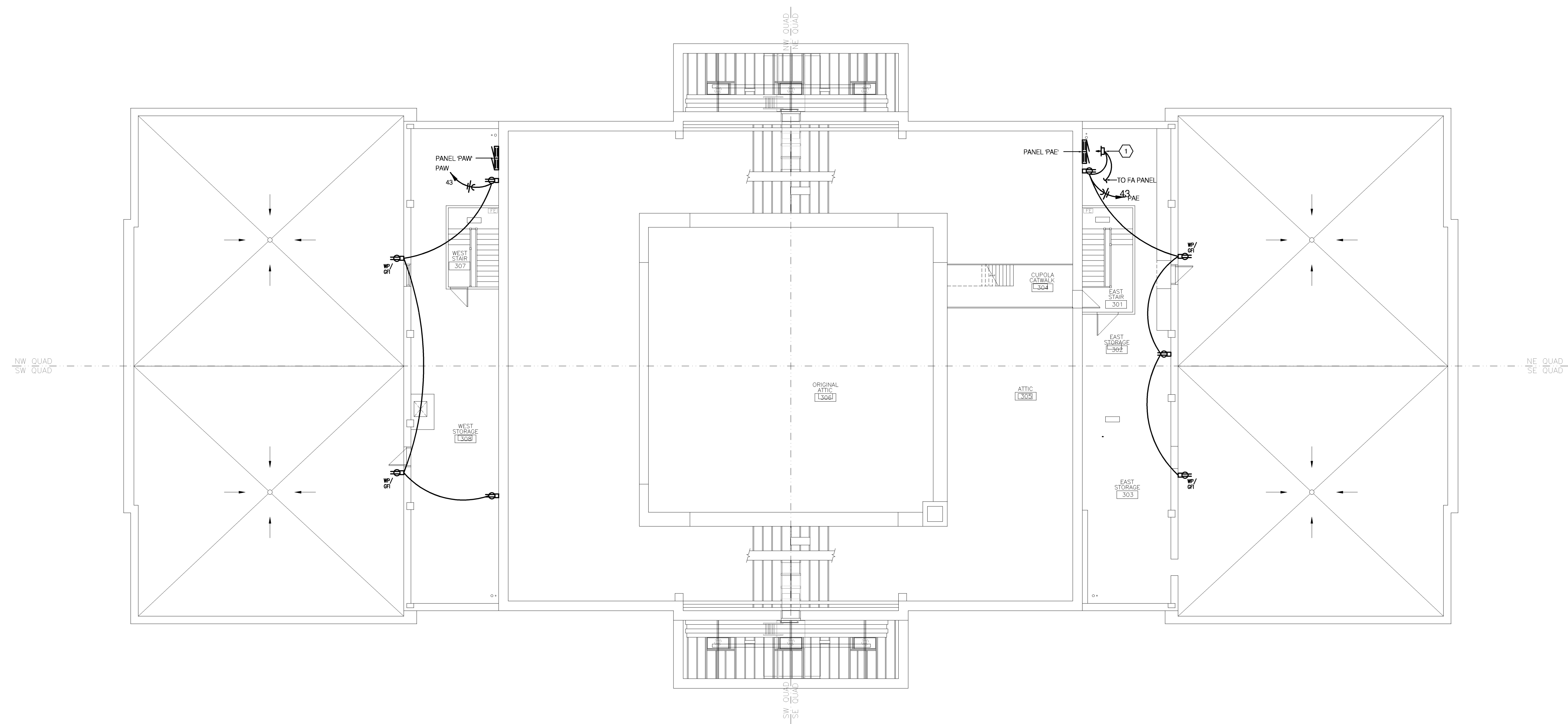
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FLOOR PLAN NOTES

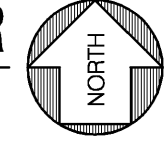
1 2-POLE RELAY IN NEMA 1 ENCLOSURE INSTALLED ABOVE PANEL. CIRCUITS FOR MAG LOCKS SHALL BE ROUTED THRU RELAY. CONNECT TO FA PANEL SO THAT UPON ACTIVATION OF SYSTEM THE POWER TO THE DOORS IS DISCONNECTED.



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



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

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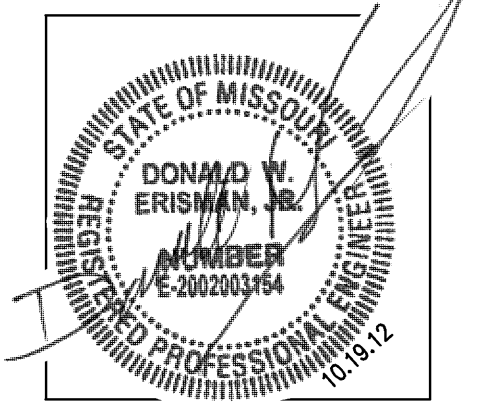
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E-103

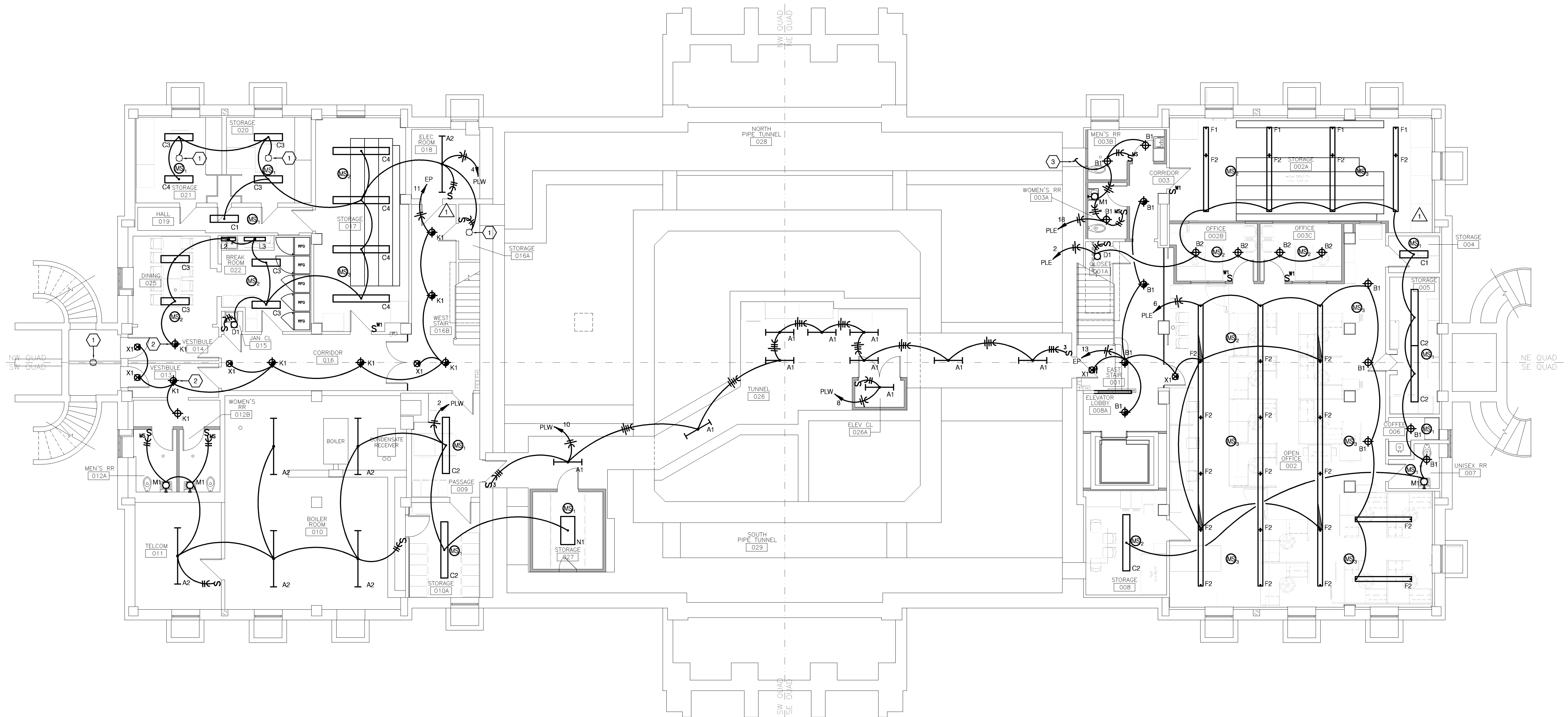
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FLOOR PLAN NOTES

- 1 EXISTING FIXTURE TO REMAIN. RELAMP FIXTURE.
- 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

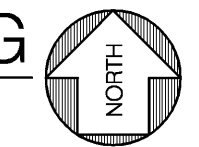
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SHEET TITLE & NUMBER

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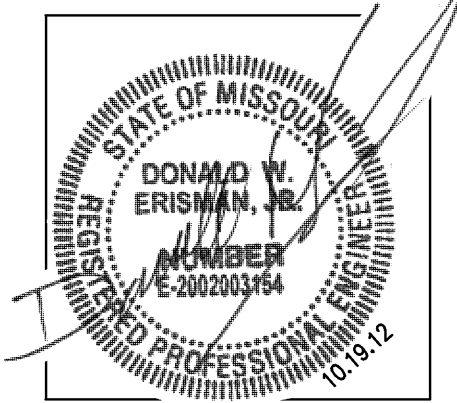
LOWER LEVEL FLOOR PLAN-LIGHTING
 SCALE: 1/8"=1'-0"



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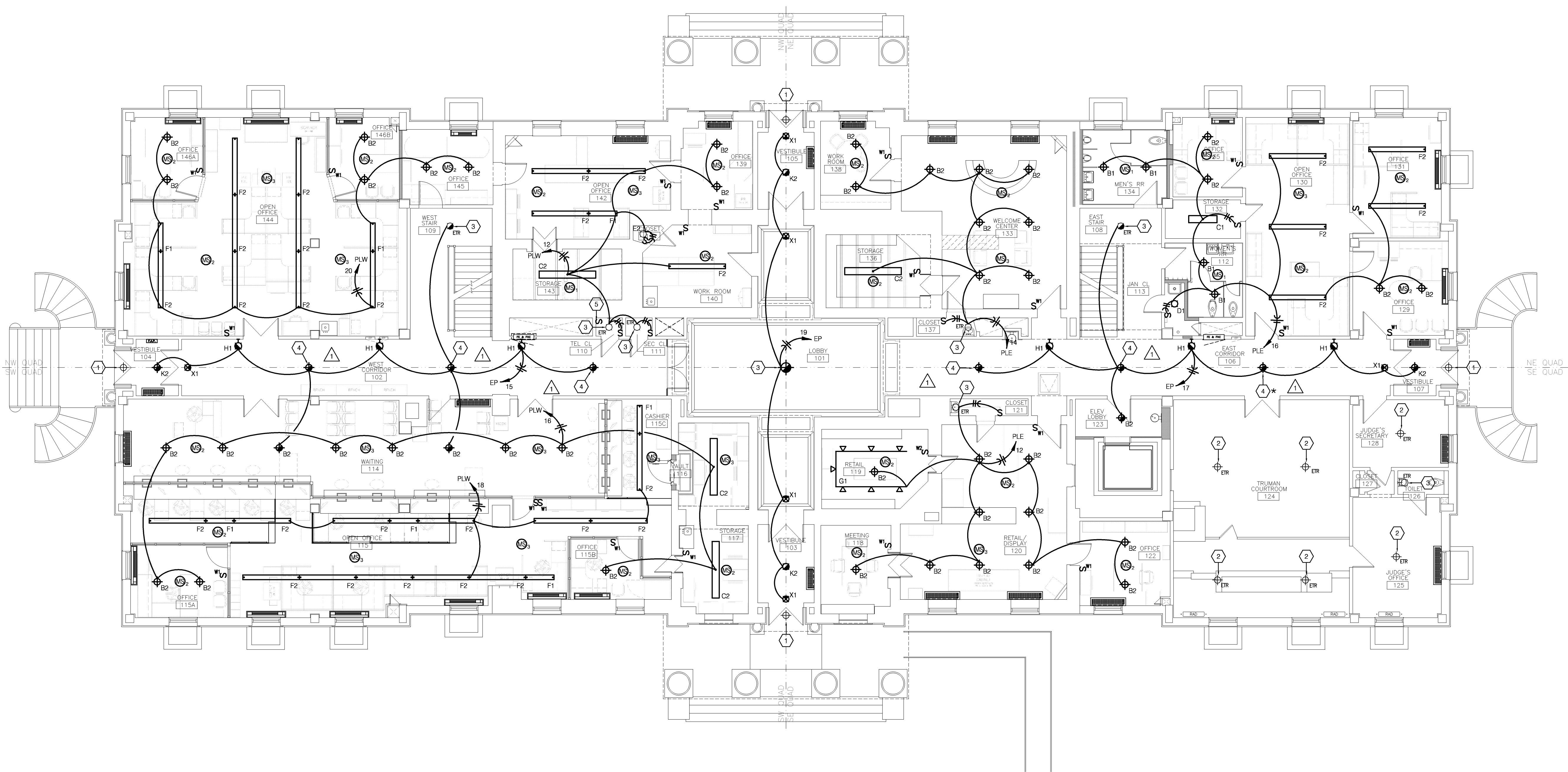


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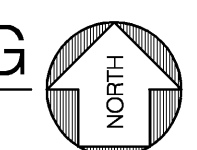
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FLOOR PLAN NOTES

- 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.
- 4 EXISTING FIXTURE TO REMAIN. CLEAN FIXTURE AND RETROFIT EXISTING INCANDESCENT FIXTURE WITH 42W T8T COMPACT FLUORESCENT LAMP AND BALLAST. REPLACE FIXTURE SHADE WITH EXACT MATCH TO THE ORIGINAL SHADE IN EAST CORRIDOR ROOM 105. JUST OUTSIDE TRUMAN COURTROOM 124 (IDENTIFIED WITH *).
- 5 INSTALL CONTROL SWITCH AND WIRE TO NEW SPOTLIGHT FIXTURE MOUNTED ON TOP OF EXISTING CEILING TO ILLUMINATE HISTORIC MOLDING ABOVE GLASS CEILING. CONNECT TO ADJACENT CORRIDOR LIGHTING CIRCUIT. NEW FIXTURE SHALL BE KIM LIGHTING # CFL1-27L3K-BK.



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



HISTORIC TRUMAN COURTHOUSE

INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

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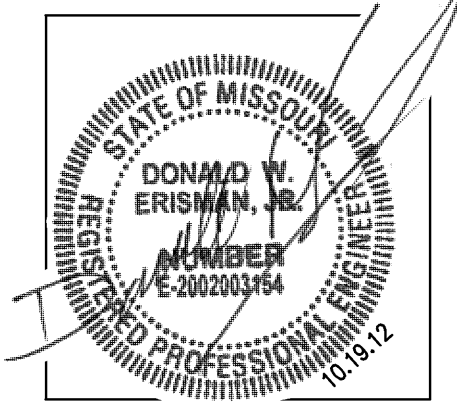
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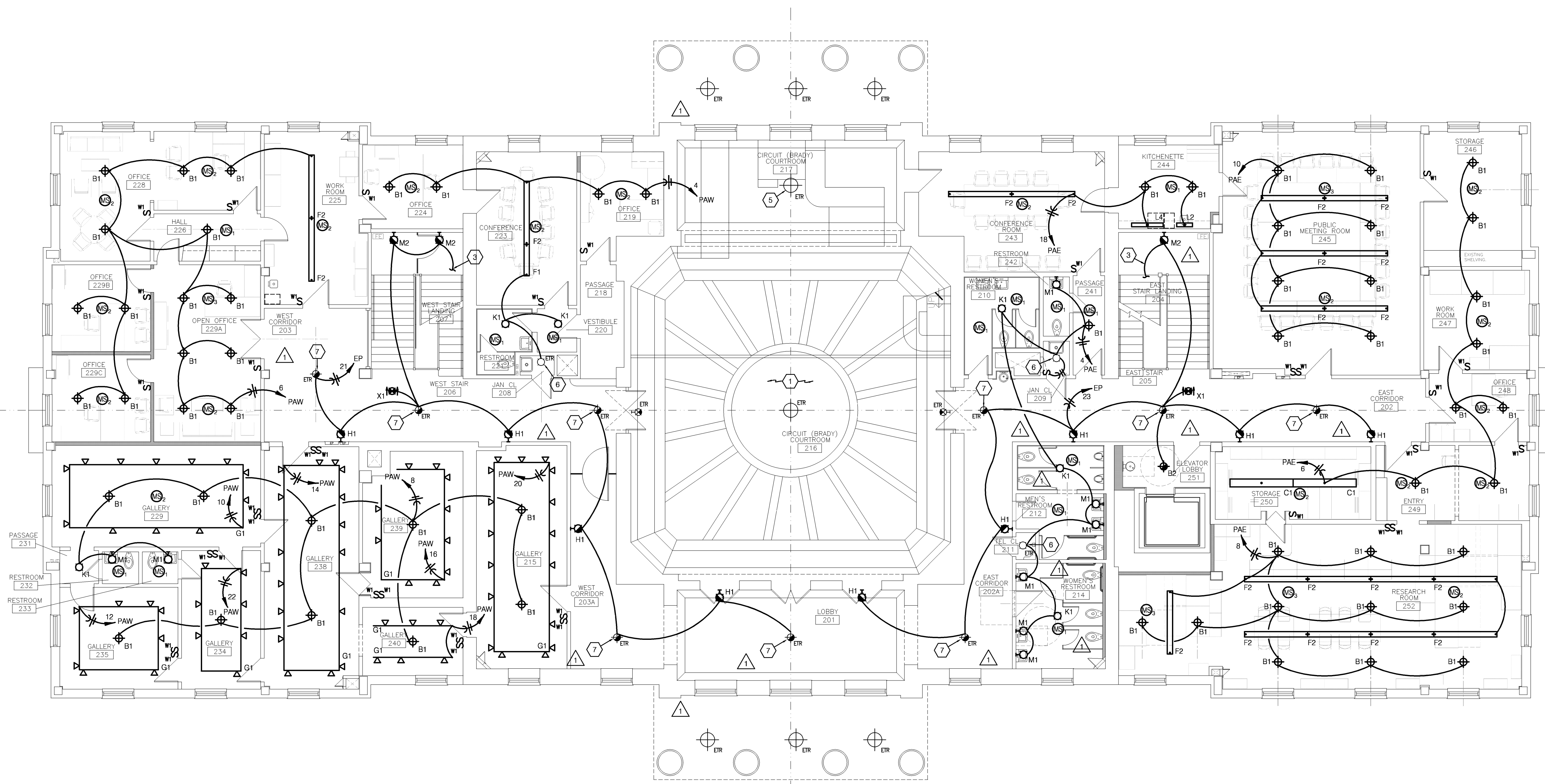


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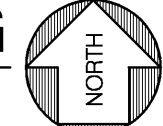
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FLOOR PLAN NOTES

- 1 ALL EXISTING LIGHTING WITHIN THIS ROOM TO REMAIN. RECIRCUIT EXISTING LIGHTING CIRCUIT TO PANEL PAE AND TERMINATE ON CIRCUIT #12.
- 2 EXISTING FIXTURE TO REMAIN. CLEAN FIXTURE AND RETROFIT EXISTING INCANDESCENT FIXTURE WITH 42W COMPACT FLUORESCENT LAMP AND BALLAST.
- 3 UP TO LIGHT ON ATTIC LEVEL.
- 4 NOT USED.
- 5 REINSTALL REFURBISHED AND RECONSTRUCTED PENDANT LIGHT FIXTURE.
- 6 EXISTING FIXTURE TO REMAIN. CLEAN FIXTURE AND RELAMP.
- 7 EXISTING FIXTURE TO REMAIN. CLEAN FIXTURE AND RETROFIT EXISTING INCANDESCENT FIXTURE WITH 42W TRT COMPACT FLUORESCENT LAMP AND BALLAST. REPLACE FIXTURE SHADE WITH EXACT MATCH TO THE ORIGINAL SHADE IN EAST CORRIDOR ROOM 105, JUST OUTSIDE TRUMAN COURTROOM 124 (IDENTIFIED WITH *).



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



HISTORIC TRUMAN COURTHOUSE

INTERIOR RENOVATION

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 PLAN LIGHTING
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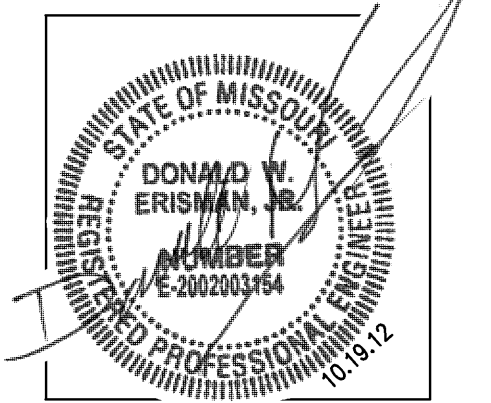
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E-202

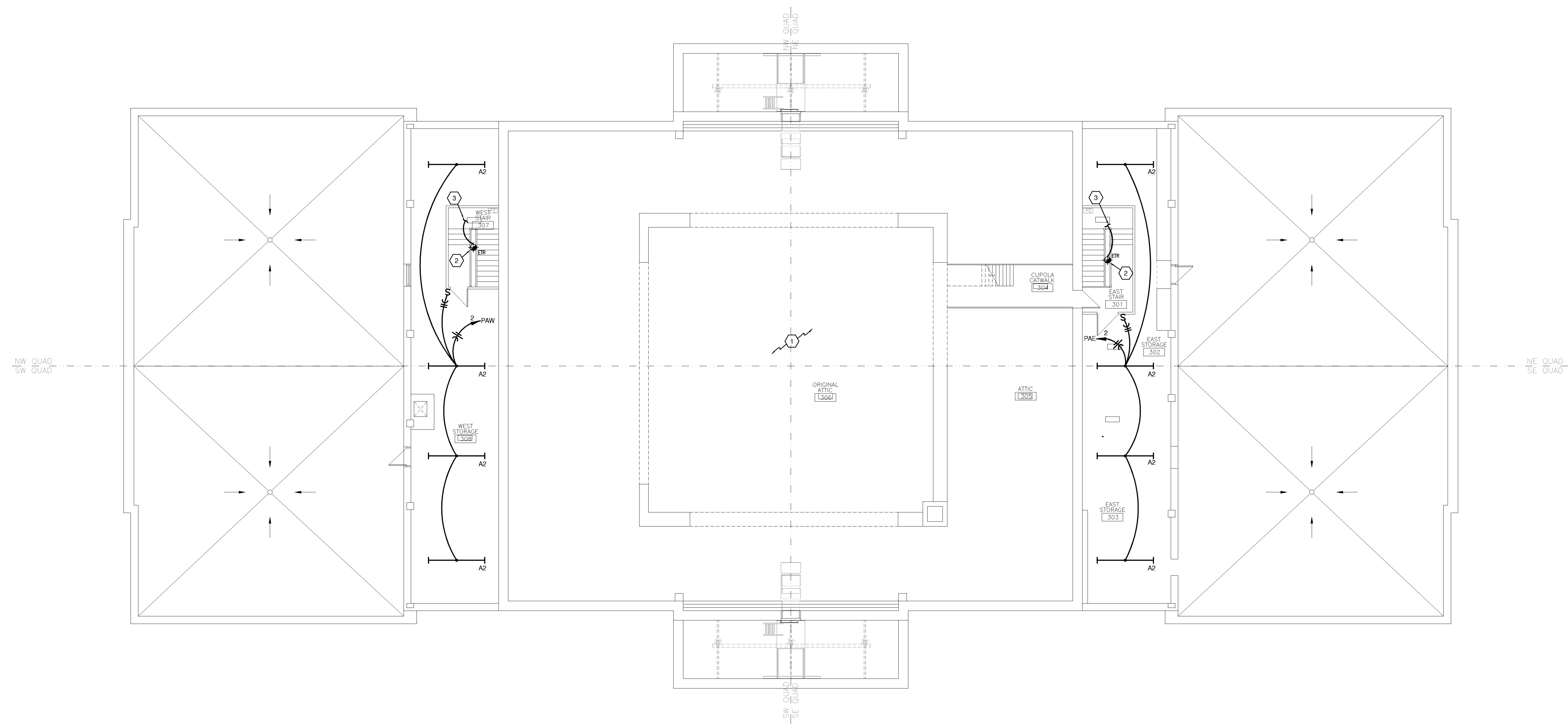
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FLOOR PLAN NOTES

- 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 REMAIN. RELAMP AND CLEAN FIXTURE.
- 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

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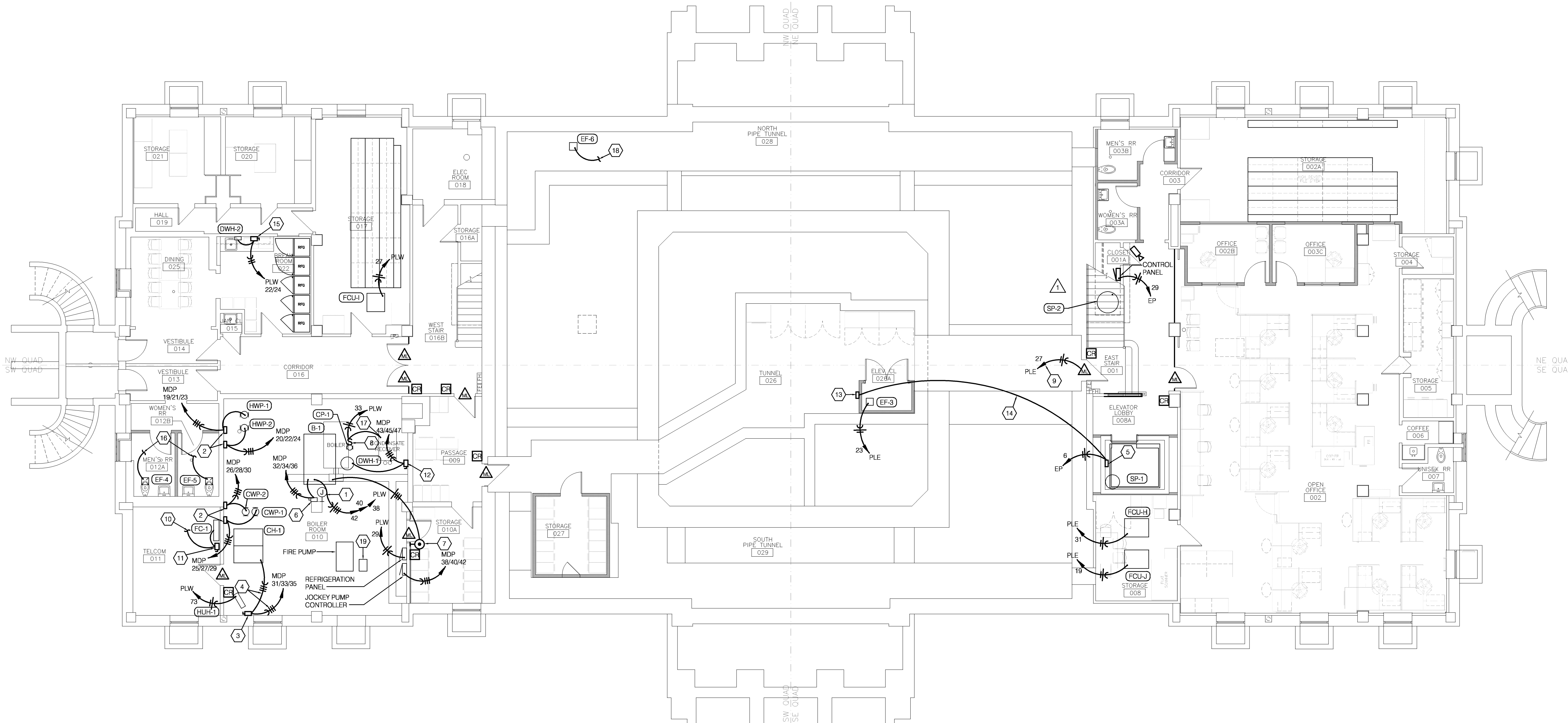
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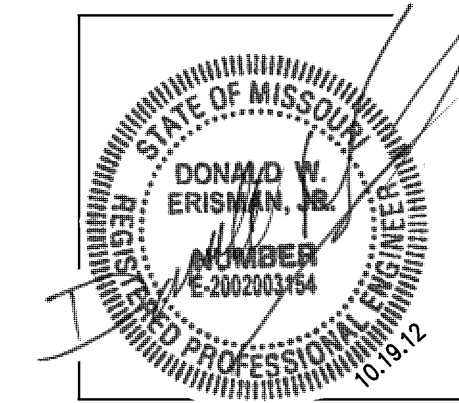
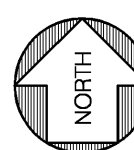
FLOOR PLAN NOTES

- 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 KCMIL & 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"



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HISTORIC TRUMAN COURTHOUSE

INTERIOR RENOVATION

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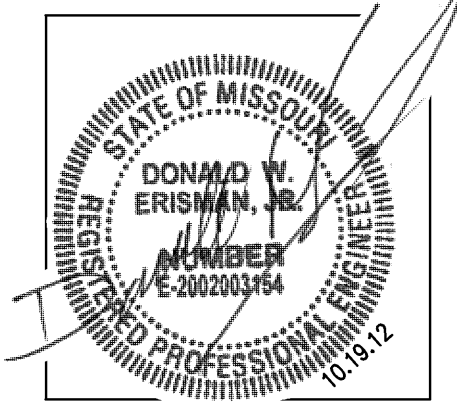
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FLOOR PLAN NOTES

- 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.



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HISTORIC TRUMAN COURTHOUSE

INTERIOR RENOVATION

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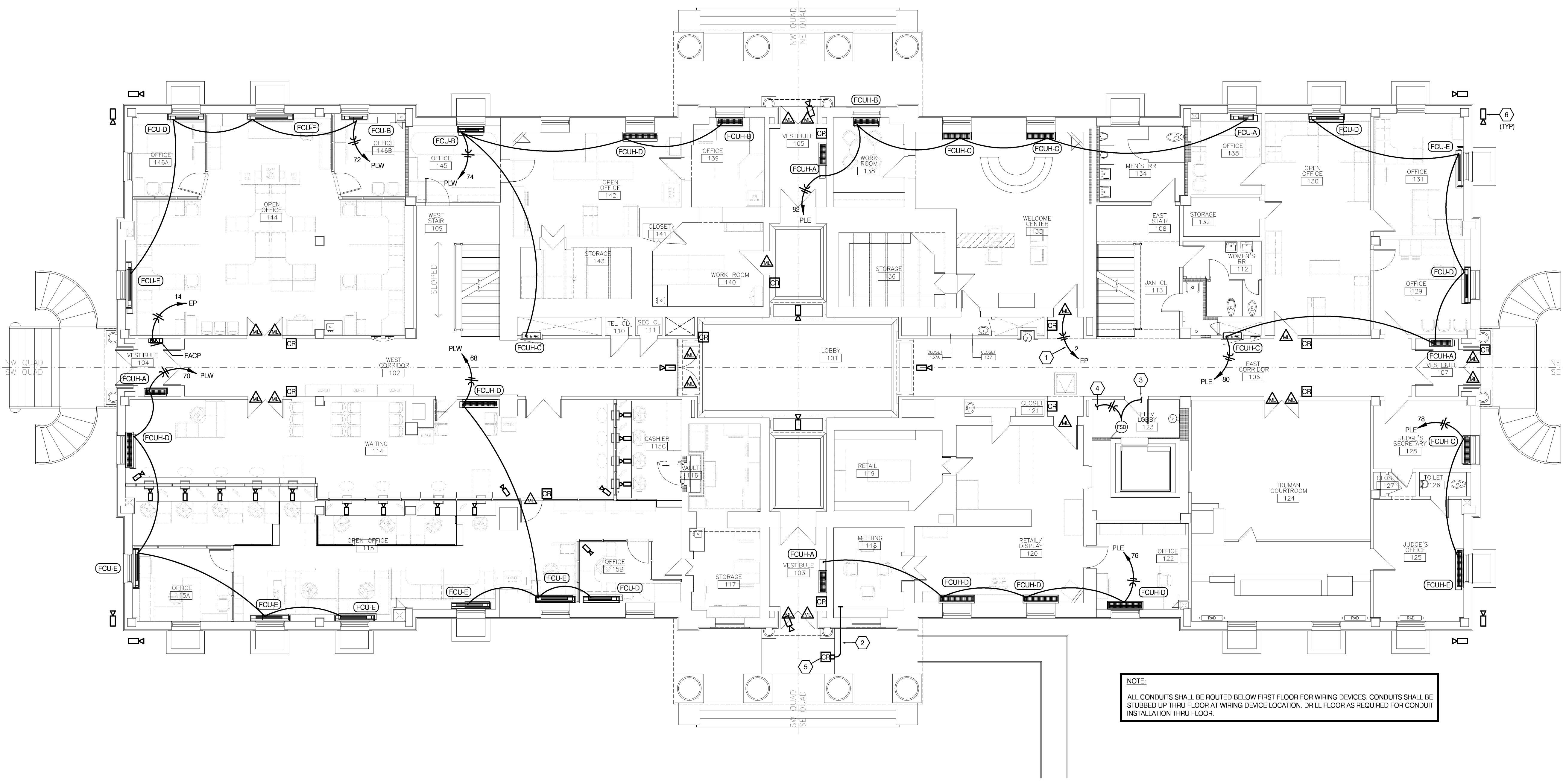
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FIRST FLOOR PLAN SYSTEMS

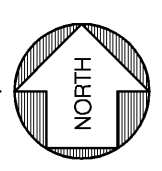
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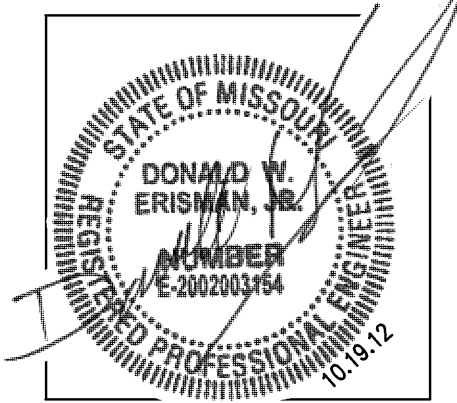


E-301



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

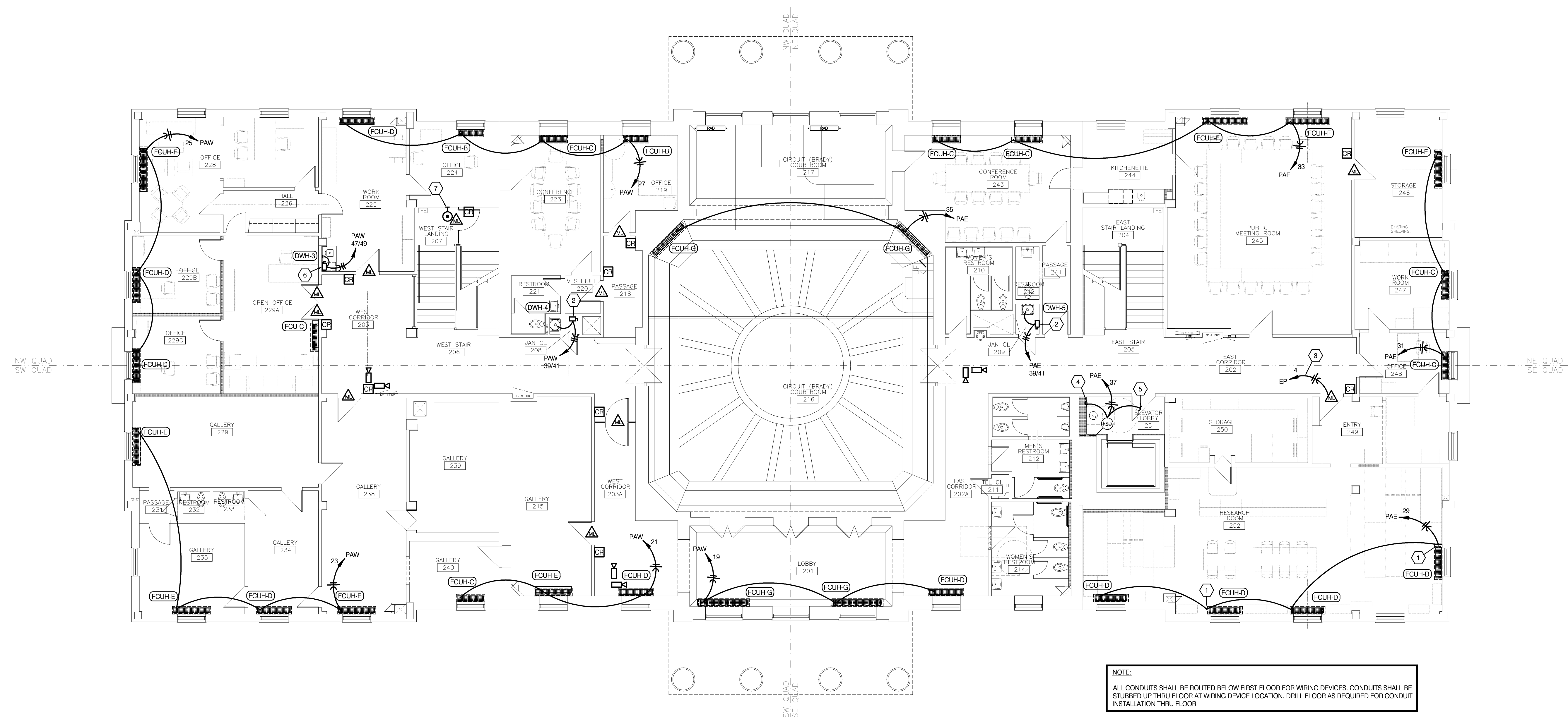




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FLOOR PLAN NOTES

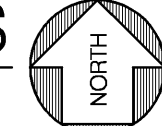
- 1 FCU IS FURNISHED WITH CONDENSATE PUMP INSTALLED IN HOUSING. PROVIDE 15A/1P HORSEPOWER RATED TOGGLE SWITCH IN HOUSING FOR PUMP. CONNECT PUMP TO SAME CIRCUIT AS FCU.
- 2 30A/2P, NON-FUSED NEMA 1 DISCONNECT SWITCH.
- 3 ALL MAG LOCKS SHALL BE CONNECTED TO THIS CIRCUIT. RUN HOMERUN THRU RELAY LOCATED 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.



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.

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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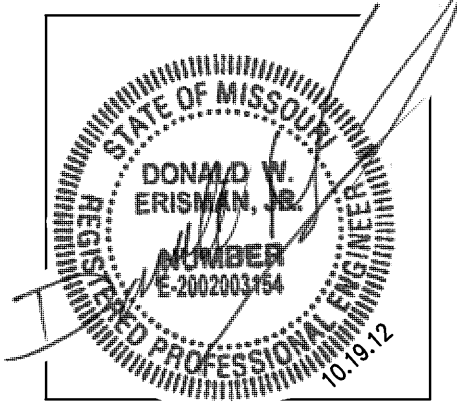
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E-302

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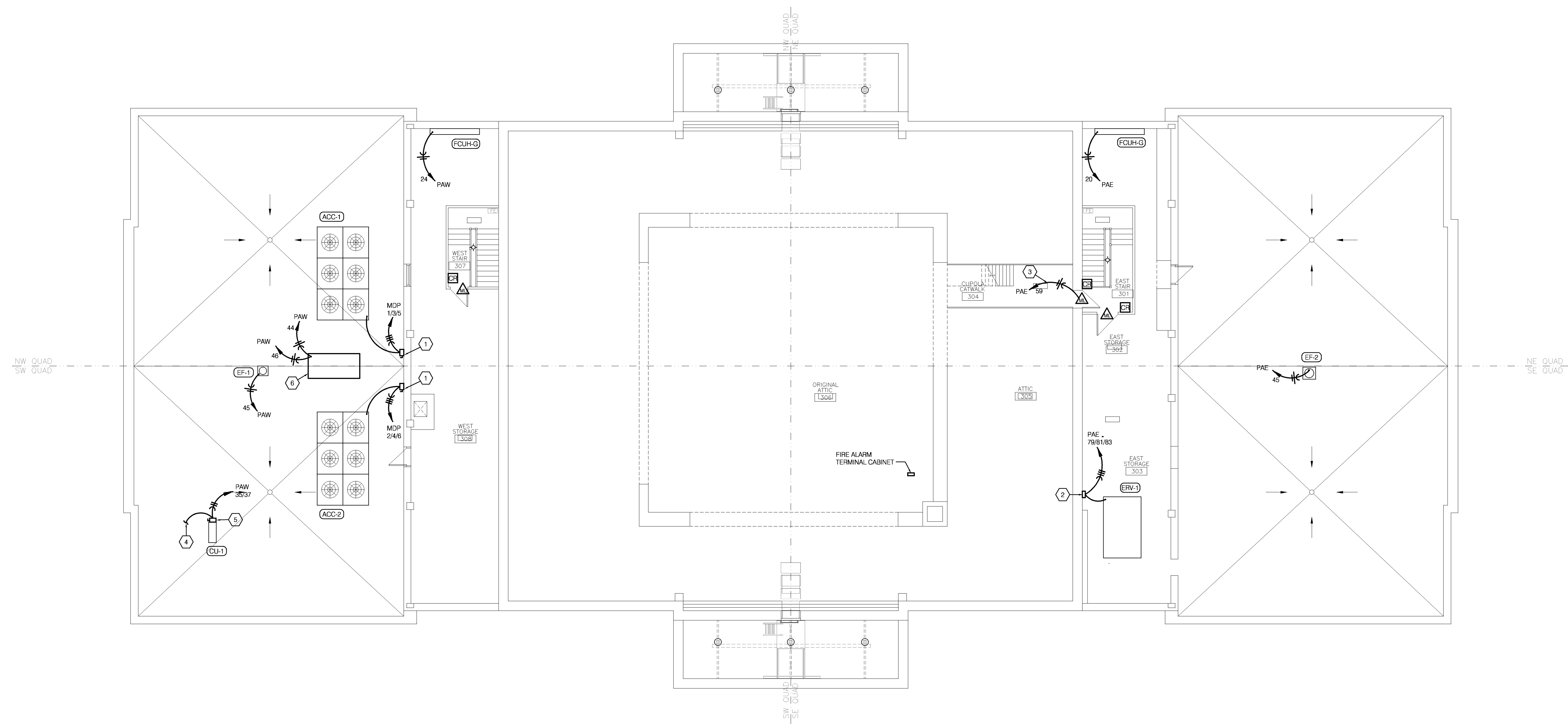


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FLOOR PLAN NOTES

- 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.



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



HISTORIC TRUMAN COURTHOUSE

INTERIOR RENOVATION

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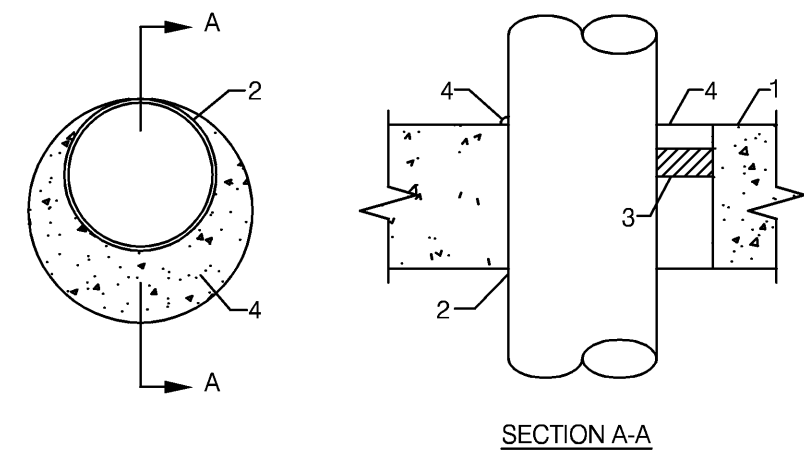
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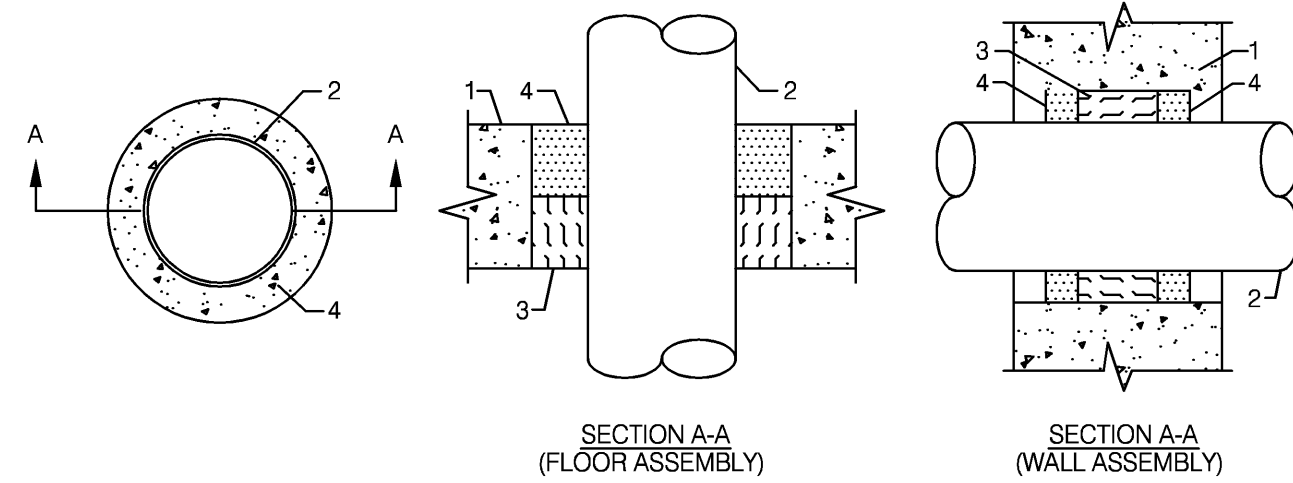


SYSTEM NO. 49
F RATINGS - 2 AND 3 HR. (SEE ITEM 2A)
T RATING - 0 HR.

- 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



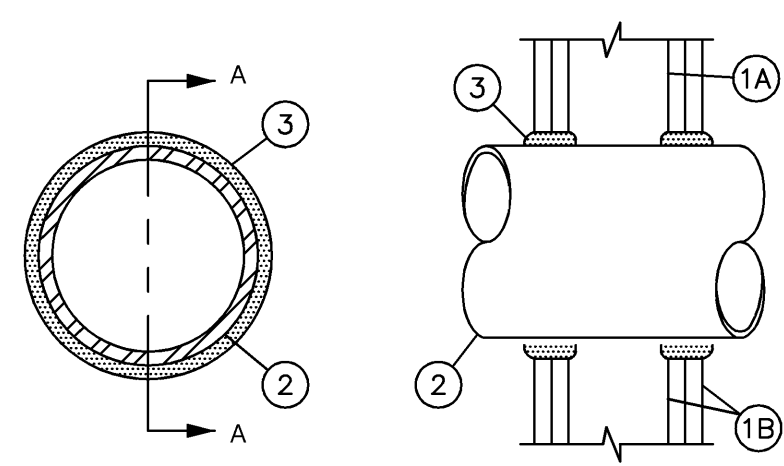
SYSTEM NO. CAJ1012
(FORMERLY SYSTEM NO. 129)
F RATINGS - 1 HR.
T RATINGS - 0 HR.

- 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

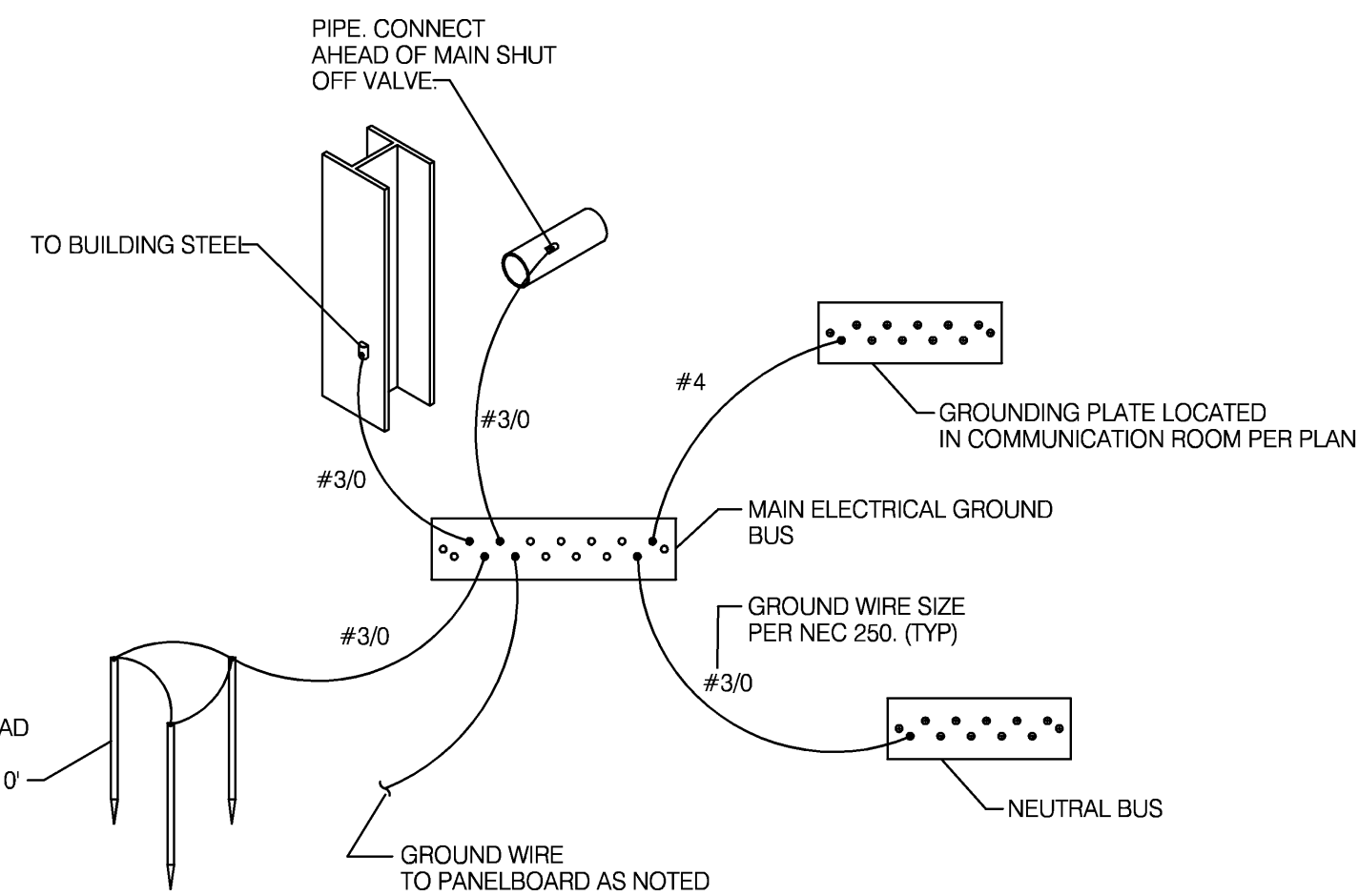
- 1) WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
 - 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 WB+

* BEARING THE UL CLASSIFICATION MARKING.

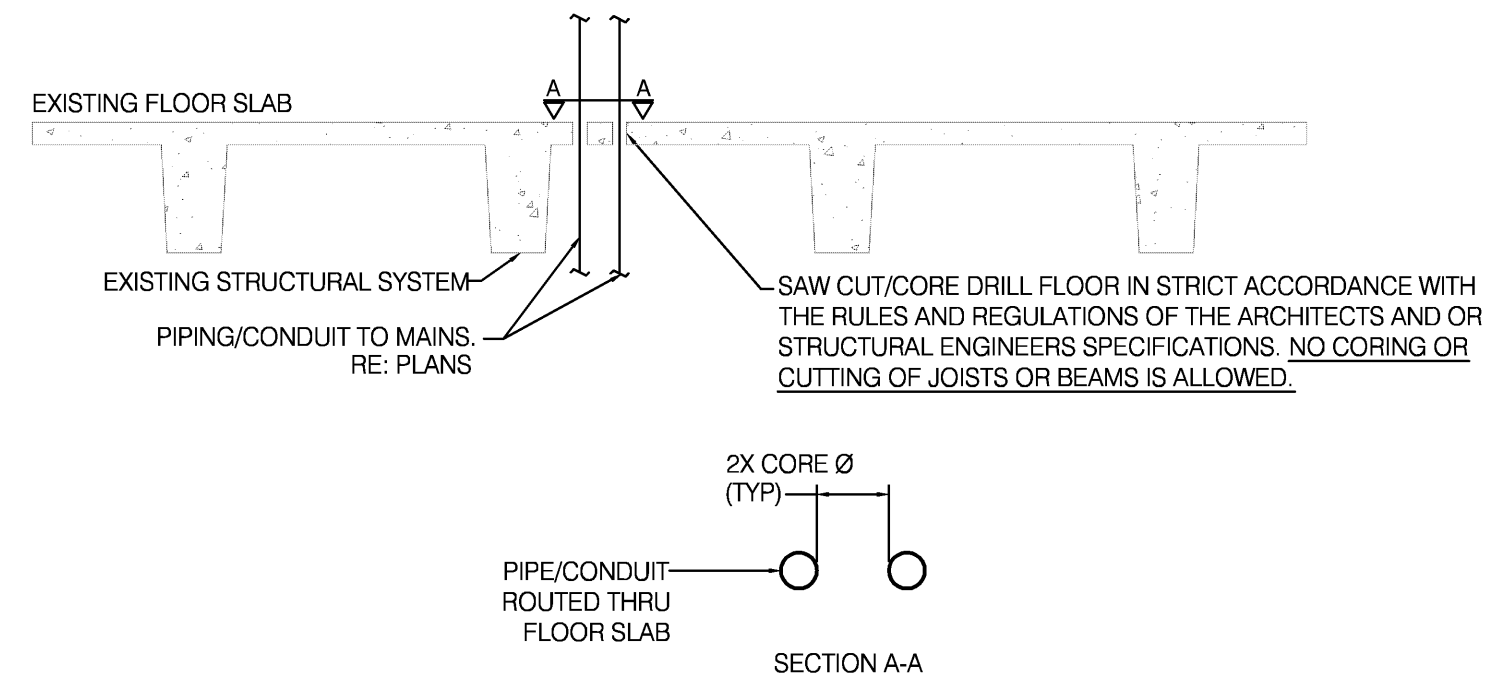
1 CONCRETE WALL/FLOOR FIRE STOPPING DETAIL NO SCALE



- 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)

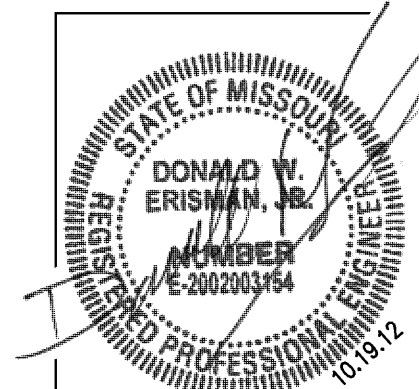
3 MAIN SERVICE ENTRANCE GROUNDING DETAIL NO SCALE

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



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HISTORIC TRUMAN COURTHOUSE INTERIOR RENOVATION

102 NORTH MAIN STREET, INDEPENDENCE, MISSOURI 64050

ISSUED FOR CONSTRUCTION

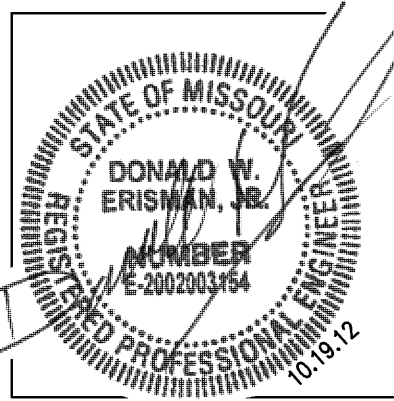
PROJECT NO.	10-19-2012
DATE	10-19-2012
DRAWN BY	LD/SMP
CHECKED BY	DWE
CHECKED BY	LDR
REVISED DATE	DESCRIPTION

SHEET TITLE & NUMBER
ELECTRICAL DETAILS

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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
REVIEWED BY	LDR
REVISED DATE	
DESCRIPTION	
ADDENDUM #1	

SHEET TITLE & NUMBER

ELECTRICAL
RISER

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E-401

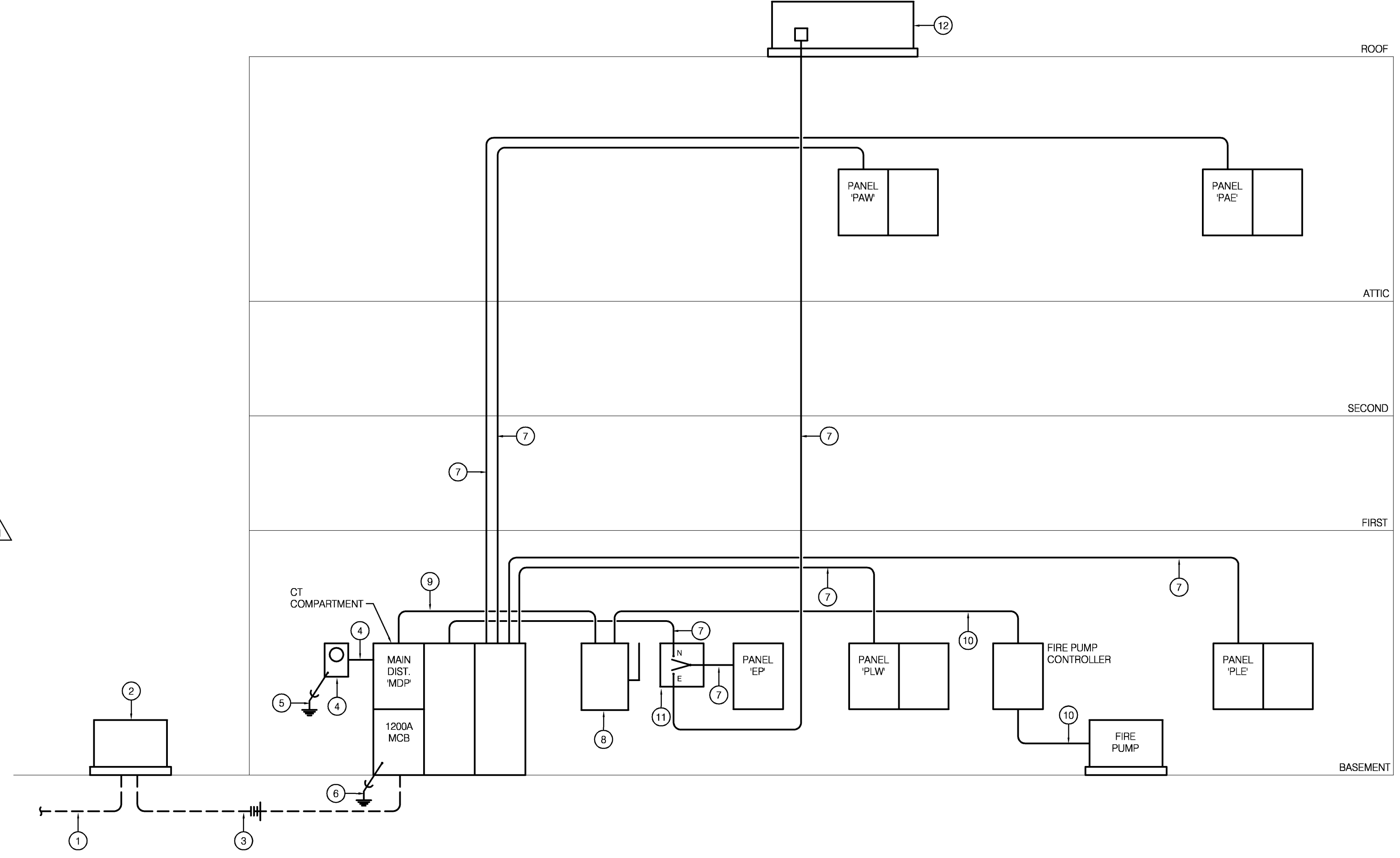
LIGHT FIXTURE SCHEDULE

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-ET8-120-AL-COX- AP-4	(2) 32WT8 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-ET8-120-AL-COX- AP-8	(4) 32WT8 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
C3	DAYBRITE LIGHTING 1SMR-2-32-FA-12-120	(2) 32WT8 3000K, 85 CRI	58 120	NOMINAL 4' LONG SURFACE MOUNTED FIXTURE WITH 2-LAMP CROSS SECTION, ELECTRONIC BALLAST.	
C4	DAYBRITE LIGHTING T1SMR-2-32-FA-12-120	(4) 32WT8 3000K, 85 CRI	116 120	NOMINAL 8' LONG SURFACE MOUNTED FIXTURE WITH 2-LAMP CROSS SECTION, ELECTRONIC BALLAST.	
F1	LINEAR LIGHTING IL216-B-2-ET8-HO-120-SK-COX- AP-4	(2) 54WT8HO 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-ET8-HO-120-SK-COX- AP-8	(4) 54WT8HO 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-F-L32	LED 1200 LUMEN	21 120	LED ADJUSTABLE TRACK HEAD. PROVIDE WITH MATCHING SINGLE CIRCUIT SURFACE MOUNTED TRACK.	2
H1	FINELE S16W-WCB-4-2-T8HO-SC-EP- 120	(2) 54WT8HO 3000K, 85 CRI	120 120	NOMINAL 4' LONG LINEAR DIRECT/INDIRECT WALL MOUNTED FIXTURE WITH 2-LAMP CROSS SECTION, AND ELECTRONIC BALLAST. FINISH. COLOR TO BE SELECTED BY ARCHITECT FROM TIGER DRYLAC 185 COLOR RAL COLOR CHART.	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.	
M2	TO BE DETERMINED		100 120	PROVIDE ALLOWANCE OF \$750 PER FIXTURE.	
N1	DAY-BRITE 2-CP-G-3-32-FS-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 66L-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 MANUFACTURERS 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.



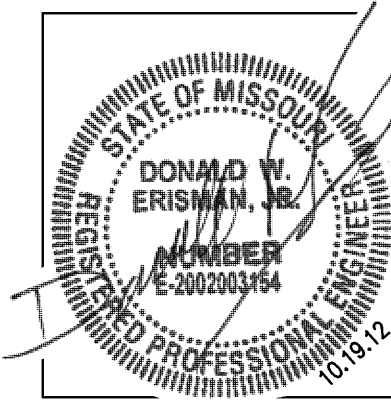
ELECTRICAL RISER DIAGRAM NO SCALE

RISER NOTES

- EXISTING PRIMARY SERVICE CONDUIT WITH IPL CABLES TO REMAIN.
- UTILITY COMPANY TRANSFORMER WITH 208Y/120V, 3-PHASE, 4-WIRE SECONDARY. LOCATED IN VAULT ON NORTH SIDE OF BUILDING IS EXISTING TO REMAIN.
- (4) SETS OF 3" PVC CONDUIT WITH 4-#350 KCMIL IN EACH. INSTALL CONDUITS WITH TOP MINIMUM OF 30" BELOW FINISHED GRADE.
- UTILITY COMPANY METER CAN/SOCKET PER UTILITY COMPANY STANDARDS. PROVIDE/INSTALL 1" CONDUIT BETWEEN MDP AND METER CAN.
- #6 GROUND WIRE. CONNECT TO 1/2" X 8'-0" LONG COPPER CLAD STEEL DRIVEN GROUND ROD.
- SERVICE GROUND. SEE DETAIL.
- 2'C, 4-#3/0 & 1-#6 GROUND WIRE.
- 800A/3P FUSED NEMA 1 DISCONNECT SWITCH WITH (3) 800A-KRP-C FUSES. SEE LABEL.
- 2'C, 3-#4/0 & 1-#2 GROUND WIRE. TAP CONDUCTORS AHEAD OF MAIN CIRCUIT BREAKER IN PANEL MDP.
- 2'C, 3-#4/0 & 1-#2 GROUND WIRE.
- 200A, 120/208V, 3-PHASE, 4-WIRE AUTOMATIC TRANSFER SWITCH IN NEMA 1 ENCLOSURE.
- 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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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
SCHEDULES

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E-500



NEW PANELBOARD PLE SCHEDULE																				
SERVICE: 208/120 VOLT, 3-PHASE, 4-WIRE										RATING: 65000 A.I.C.										
AMP FRAME: 200 AMP										LOCATION: ELECT 018										
MOUNTING: SURFACE										0										
REV NO.	NOTE NO.	LOAD CRT#	DESCRIPTION	BRKR P	AMP	LOAD KVA			3PH	LOAD CRT#	DESCRIPTION	BRKR P	AMP	LOAD KVA			3PH	NOTE NO.	REV NO.	
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C			
1			GP RECP ELEV MACH	1	20	0.18					2									
3			SPARE	1	20						4									
5			ELEV PIT LTS / GP REC	1	20						6									
7			GC REC. MEN/WOMEN	1	20	0.54					8									
9			REC. STORAGE	1	20						10									
11			MF MACHINES	1	20						12									
13			REC. OFFICES	1	20	1.06					14									
15			REC. STORAGE LOBBY	1	20						16									
17			PLAT SCANNER	1	20						18									
19			FCU-J	1	20	1.06					20									
21			SPARE	1	20						22									
23			EF-3	1	20						24									
25			ADA DOORS	1	20	1					26									
27			SPARE	1	20						28									
29			SPARE	1	20						30									
31			FCU-H	1	20	0.58					32									
33			SPARE	1	20						34									
35			SPARE	1	20						36									
37			SPARE	1	20						38									
39			SPARE	1	20						40									
41			SPARE	1	20						42									
TOTAL:										TOTAL:										
8.36										8.02										
4.66										6.45										
5.74										8.78										
0										0.0										
KVA / PHASE TOTAL:										KVA / PHASE TOTAL:										
163.4										136.5										
161.5										92.6										
180.3										121.0										
AMP / PHASE TOTAL:										AMP / PHASE TOTAL:										
163.4										136.5										
161.5										92.6										
180.3										121.0										
TOTAL CONNECTED LOAD:										TOTAL CONNECTED LOAD:										
168.26										42.01										
AMPS										116.61										
LIGHTS @ 125%:										LIGHTS @ 125%:										
11.25										10.13										
KVA										10.00										
RECEPTACLES @ 100%:										RECEPTACLES @ 100%:										
10.00										9.42										
KVA										0.00										
RECEPTACLES @ 50%:										RECEPTACLES @ 50%:										
13.08										0.00										
KVA										0.00										
LARGEST MOTOR LOAD @ 125%:										LARGEST MOTOR LOAD @ 125%:										
0.00										5.08										
KVA										5.08										
CONTINUOUS LOAD @ 125%:										CONTINUOUS LOAD @ 125%:										
6.36										34.62										
KVA										0.95										
OTHER AND NON-CONTINUOUS LOADS @ 100%:										OTHER AND NON-CONTINUOUS LOADS @ 100%:										
51.07										0.95										
KVA										% PF										
TOTAL DEMAND LOAD:										TOTAL DEMAND LOAD:										
51.07										101.16										
KVA										AMPS										
POWER FACTOR:										POWER FACTOR:										
0.95										101.16										
% PF																				
TOTAL DEMAND CURRENT:										TOTAL DEMAND CURRENT:										
149.21																				
AMPS																				

NOTES:
1 PROVIDE TRIP-FREE BREAKER HANDLE LOCK.

REV:

GENERAL NOTES:
A CONTRACTOR TO REFERENCE BRANCH CIRCUIT COPPER CONDUCTOR & CONDUIT SIZING CHART FOR SIZING OF BRANCH CIRCUITS AND OR FEEDERS AT OR BELOW 100 AMPS

NEW PANELBOARD PLW SCHEDULE																				
SERVICE: 208/120 VOLT, 3-PHASE, 4-WIRE										RATING: 65000 A.I.C.										
AMP FRAME: 200 AMP										LOCATION: ELECT 018										
MOUNTING: SURFACE										0										
REV NO.	NOTE NO.	LOAD CRT#	DESCRIPTION	BRKR P	AMP	LOAD KVA			3PH	LOAD CRT#	DESCRIPTION	BRKR P	AMP	LOAD KVA			3PH	NOTE NO.	REV NO.	
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C			
1			SPARE	1	20						2									
3			SPARE	1	20						4									
5			SPARE	1	20						6									
7			REC. GENERAL PURPOSE	1	20	1.08					8									
9			GR REC - RM	1	20						10									
11			REC. GENERAL PURPOSE	1	20						12									
13			REFRIGERATOR	1	20	0.8					14									
15			REFRIGERATOR	1	20						16									
17			REFRIGERATOR	1	20						18									
19			REFRIGERATOR	1	20	0.8					20									
21			REFRIGERATOR	1	20						22									
23			MICROWAVE	1	20						24									
25			MICROWAVE	1	20	1.5					26									
27			FCU-1	1	20						28									
29			REFRIGERATION PANEL	1	20						30									
31			REC SECURITY	1	20	0.36					32									
33			CIRC PUMP	1	20						34									
35			CLOCK SYSTEM	1	20						36									
37			BELL RINGER	2	20	0.8					38									
39				1	20						40									
41			SPARE	1	20						42									
TOTAL:										TOTAL:										
9.9										9.71										
8.62										10.78										
10.12										11.51										
0										0.0										
KVA / PHASE TOTAL:										KVA / PHASE TOTAL:										
19.61										19.61										
19.38										161.5										
21.63										180.3										
0.0										AMP / PHASE TOTAL:										
19.61										163.4										
19.38										161.5										
21.63										180.3										
TOTAL CONNECTED LOAD:										TOTAL CONNECTED LOAD:										
168.26										60.82										
AMPS										116.61										
LIGHTS @ 125%:										LIGHTS @ 125%:										
11.25										11.25										
KVA										10.00										
RECEPTACLES @ 100%:										RECEPTACLES @ 100%:										
10.00										13.08										
KVA										0.00										
RECEPTACLES @ 50%:										RECEPTACLES @ 50%:										
13.08										0.00										
KVA										0.00										
LARGEST MOTOR LOAD @ 125%:										LARGEST MOTOR LOAD @ 125%:										
0.00										6.36										
KVA										51.07										
CONTINUOUS LOAD @ 125%:										CONTINUOUS LOAD @ 125%:										
6.36										0.95										
KVA										% PF										
OTHER AND NON-CONTINUOUS LOADS @ 100%:										OTHER AND NON-CONTINUOUS LOADS @ 100%:										
51.07										149.21										
KVA										AMPS										
TOTAL DEMAND LOAD:										TOTAL DEMAND LOAD:										
51.07																				
KVA																				
POWER FACTOR:										POWER FACTOR:										
0.95																				
% PF																				
TOTAL DEMAND CURRENT:										TOTAL DEMAND CURRENT:										
149.21																				
AMPS																				

NOTES:

REV:

GENERAL NOTES:
A CONTRACTOR TO REFERENCE BRANCH CIRCUIT COPPER CONDUCTOR & CONDUIT SIZING CHART FOR SIZING OF BRANCH CIRCUITS AND OR FEEDERS AT OR BELOW 100 AMPS

DWG FILE: P:\0000\0408_Jackson County Historic Court House\Drawings\0408E500-502.dwg USER: BrianD PLOT DATE/TIME: 12/7/2012 2:22pm

