

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



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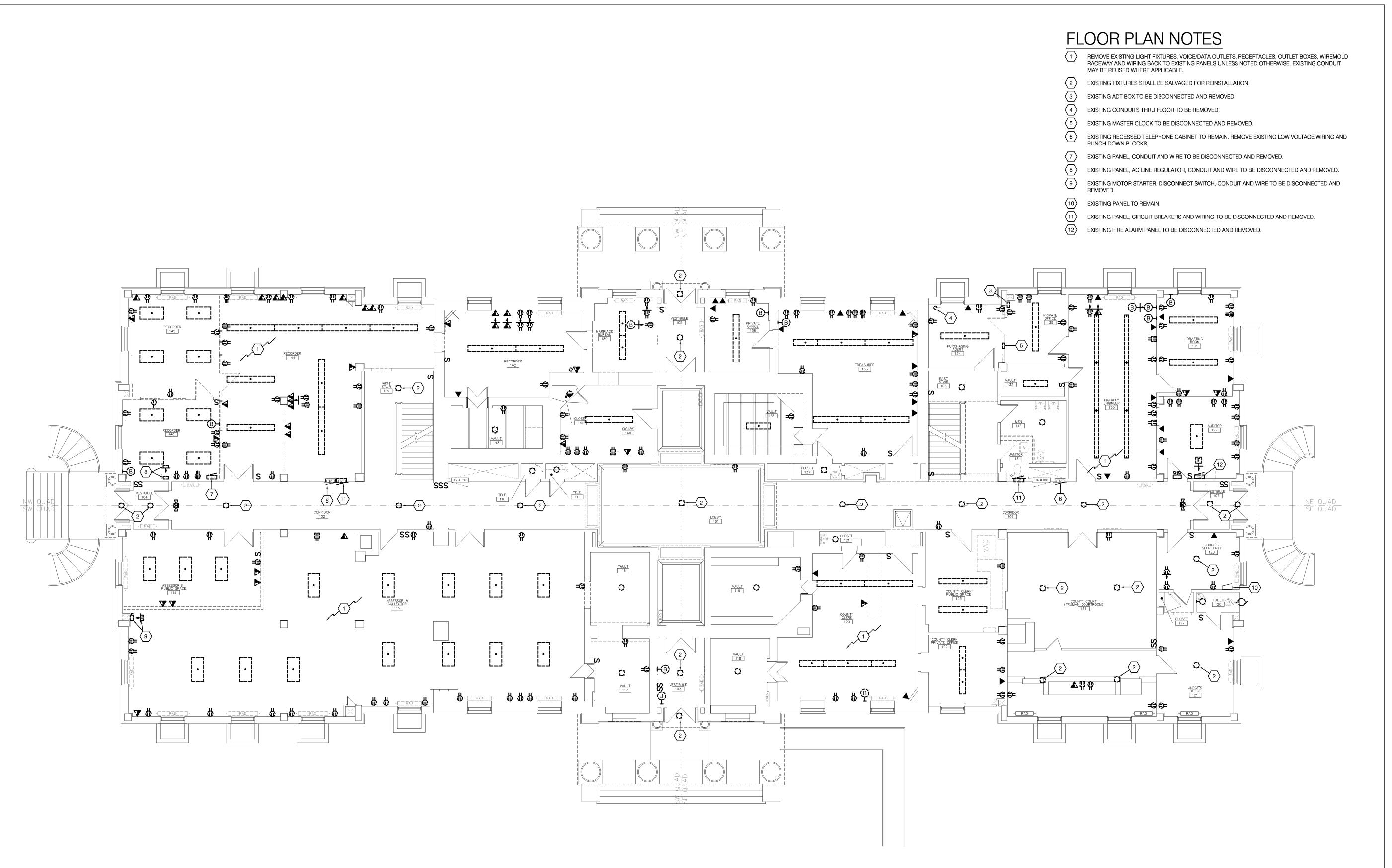
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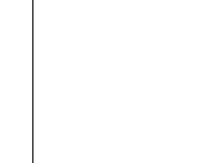
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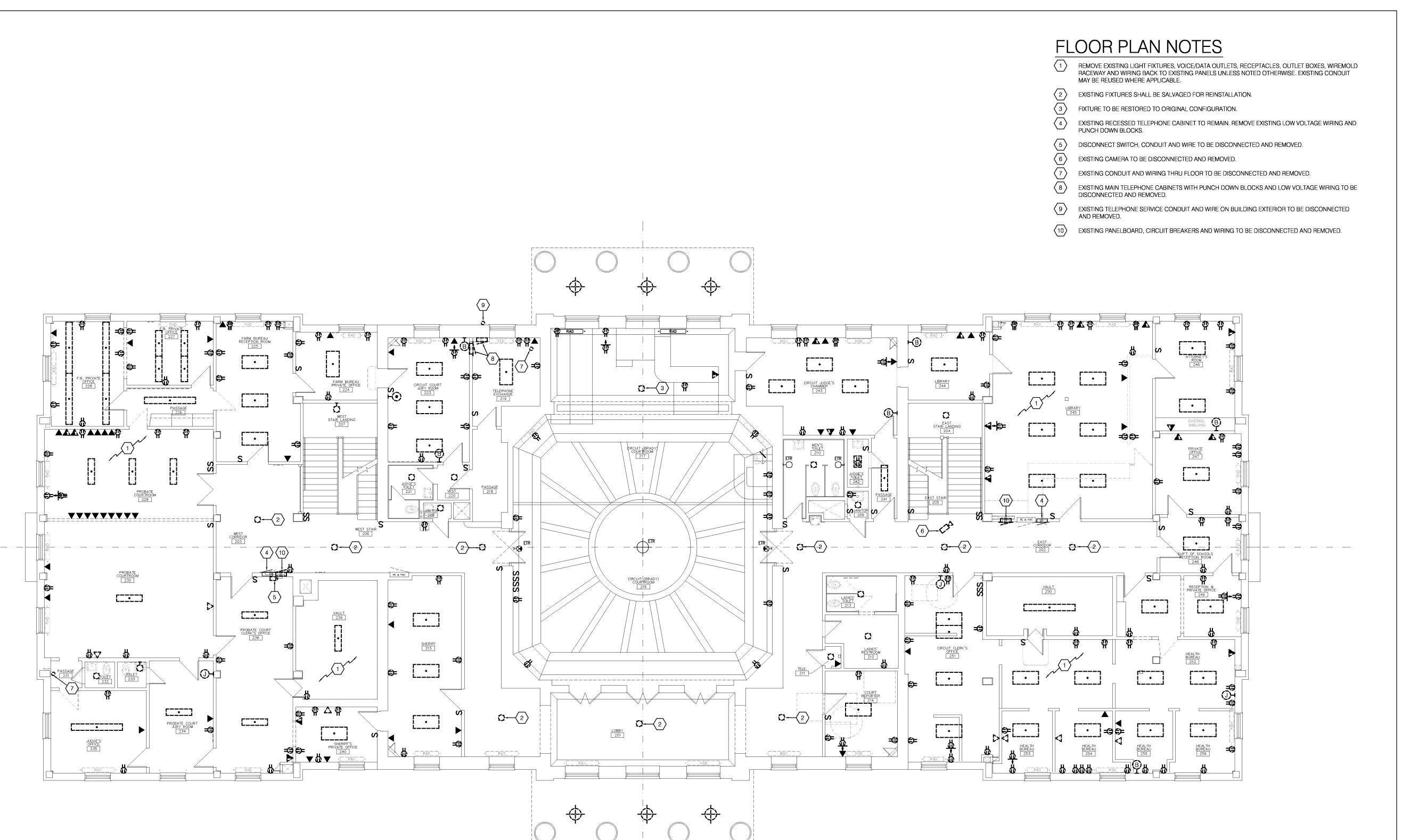
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FIRST FLOOR DEMO PLAN ELECTRICAL

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TORIC TRUMAN COURTHOUSE
INTERIOR RENOVATION

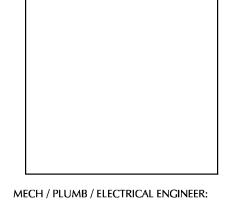
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- REMOVE EXISTING LIGHT FIXTURES, VOICE/DATA OUTLETS, RECEPTACLES, OUTLET BOXES, WIREMOLD RACEWAY AND WIRING BACK TO EXISTING PANELS UNLESS NOTED OTHERWISE. EXISTING CONDUIT MAY BE REUSED WHERE APPLICABLE.
- 2 EXISTING LIGHTING IN ATTIC SPACE TO REMAIN.



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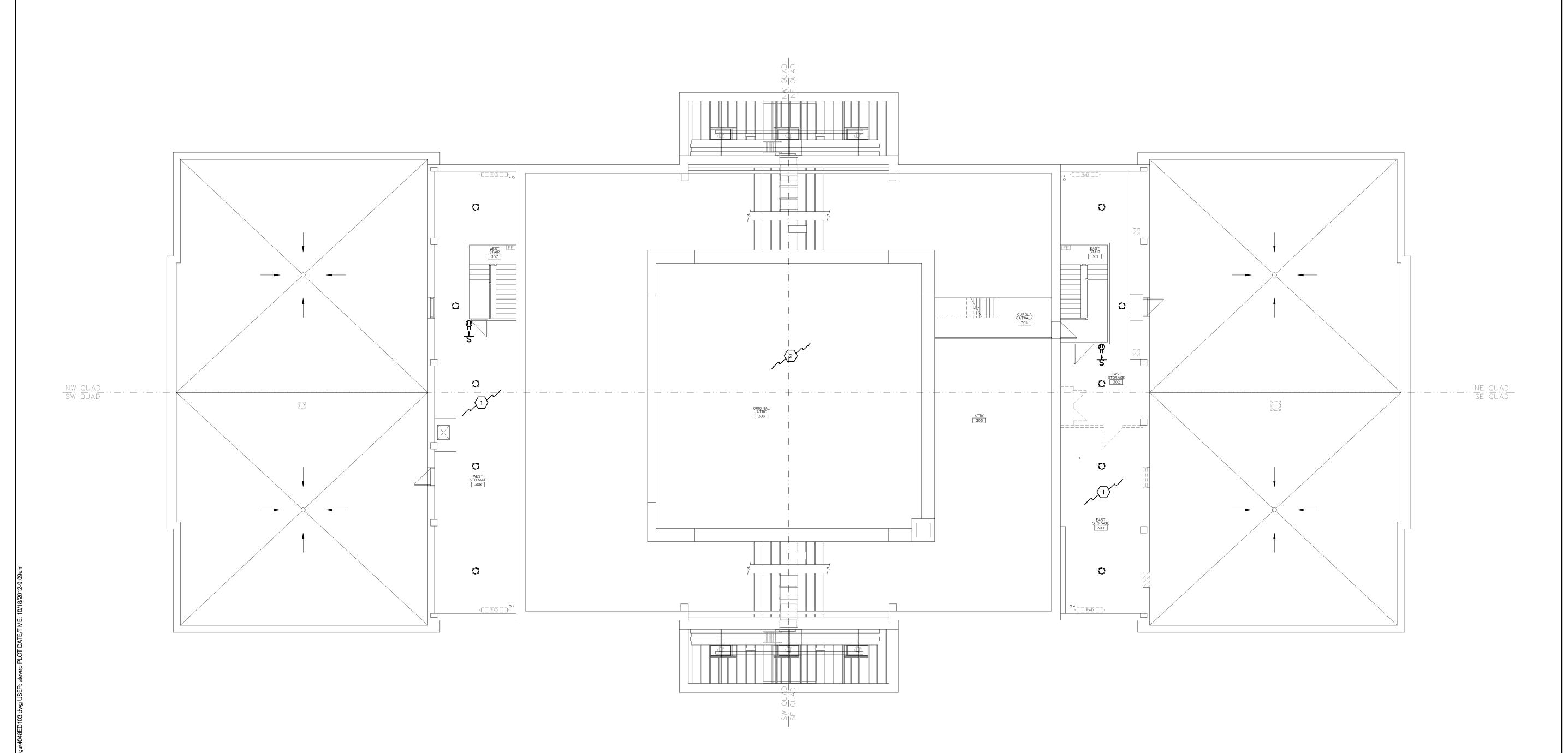
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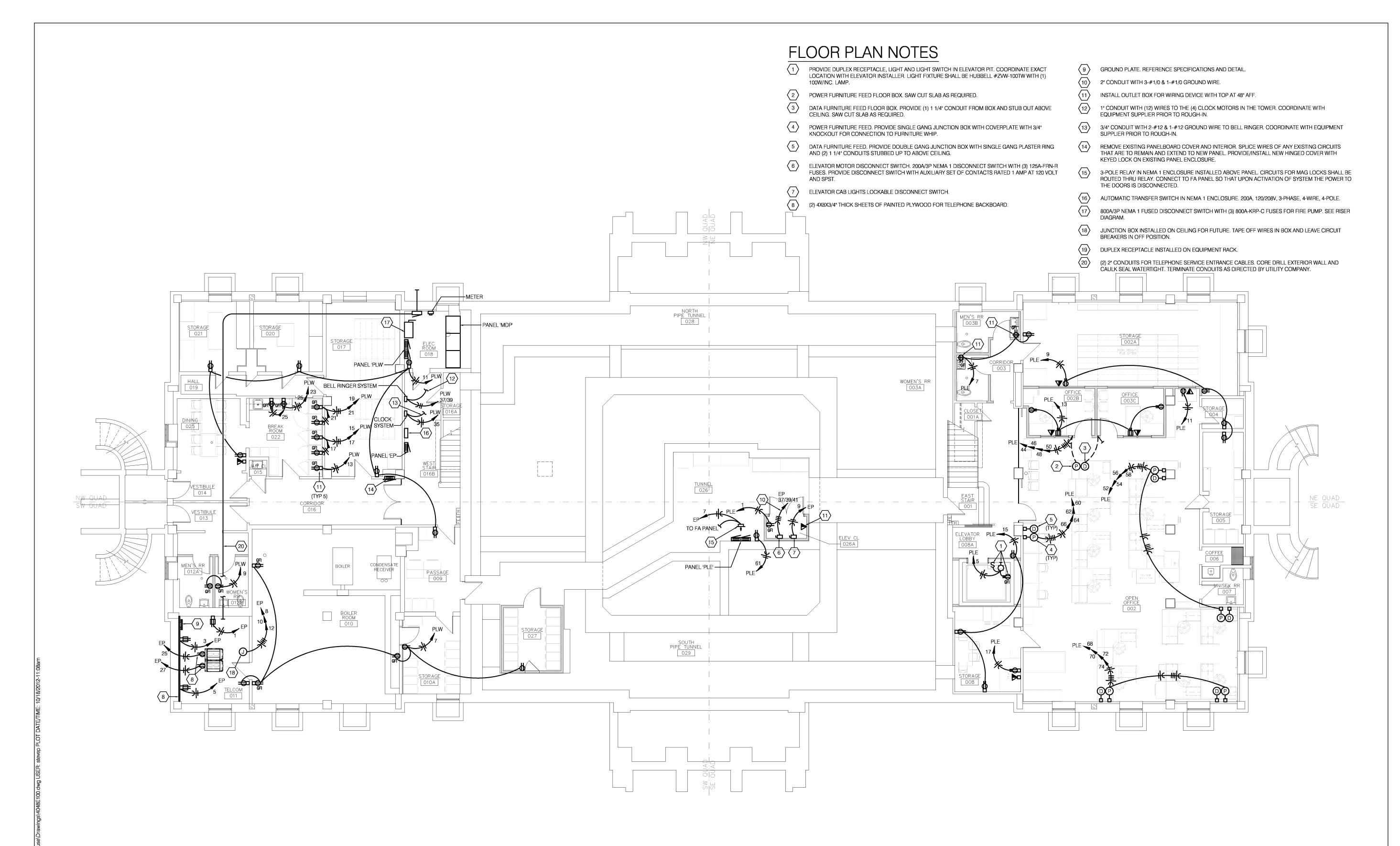
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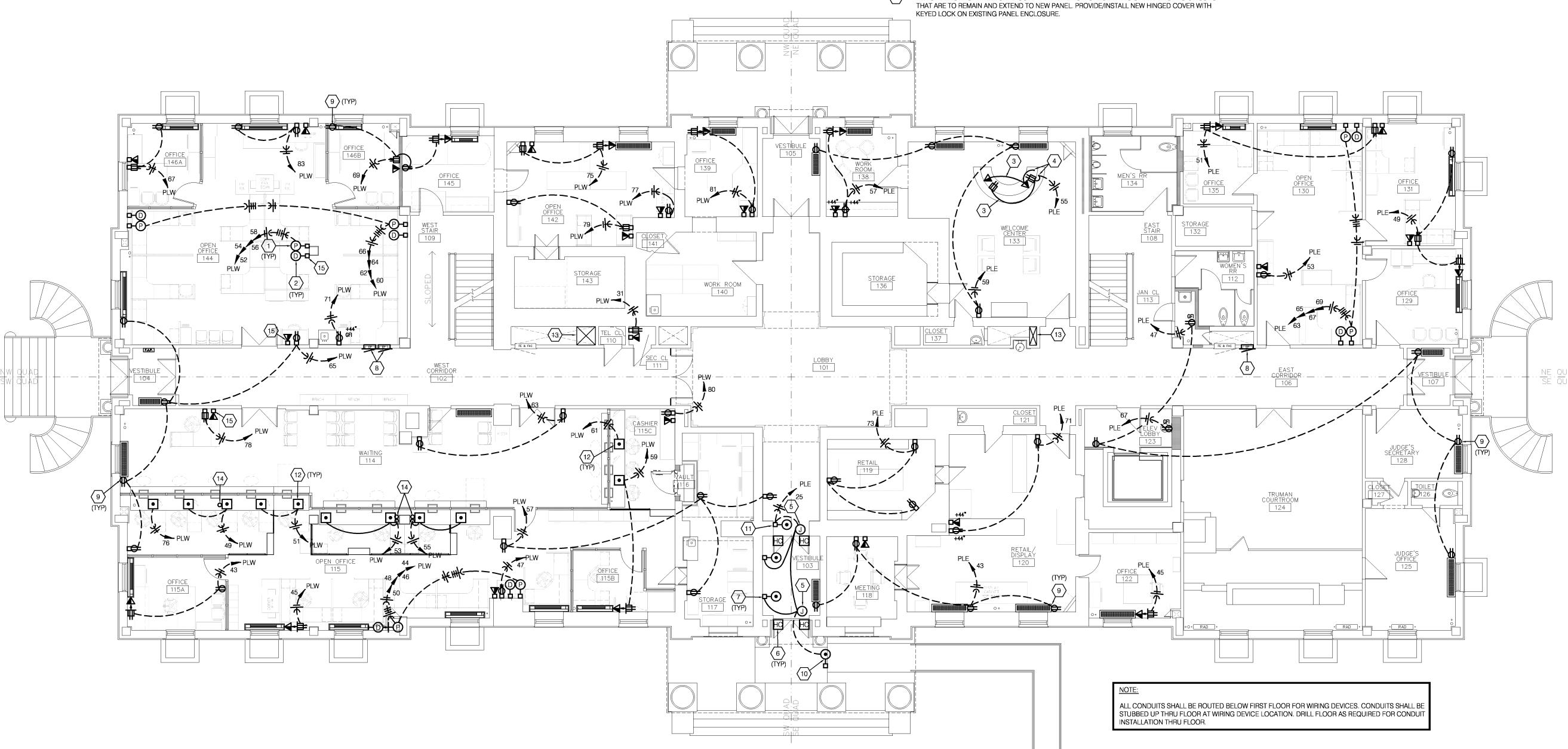
LOWER LEVEL FLOOR PLAN

POWER
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- POWER FURNITURE FEED. PROVIDE SINGLE GANG JUNCTION BOX WITH COVERPLATE WITH 3/4" KNOCKOUT FOR CONNECTION TO FURNITURE WHIP.
- DATA FURNITURE FEED. PROVIDE DOUBLE GANG JUNCTION BOX WITH SINGLE GANG PLASTER RING AND (2) 1 1/4" CONDUITS STUBBED DOWN TO LOWER LEVEL.
- CONDUITS ROUTED IN CASEWORK. COORDINATE WITH CASEWORK PROVIDER/INSTALLER PRIOR TO
- DRILL WOOD FLOOR FOR CONDUIT PENETRATION.
  - JUNCTION BOX FOR POWER CONNECTION TO ADA POWER ASSIST DOORS. REFER TO ARCHITECTURAL
- 6 SECURITY SYSTEM CONTRACTOR SEQUENCE WITH HANDICAP DOOR OPERATOR WITH SECURITY
  - MAKE POWER CONNECTION TO ADA DOOR OPENER AND INSTALL/WIRE PUSH BUTTON DOOR OPERATOR.
- 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

- 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
- (10) INSTALL AUTO DOOR OPERATOR ON NEW SQUARE BOLLARD.
- INSTALL AUTO DOOR OPERATOR ON JAMB.
- FLUSH FLOOR 3-GANG BOX INSTALLED IN RAISED FLOOR. (2) GANGS FOR DUPLEX RECEPTACLES AND (1) GANG FOR VOICE/DATA OUTLETS.
- PANELBOARD AND EQUIPMENT FEEDERS SHALL BE ROUTED IN THIS AREA FROM LOWER LEVEL TO
- 1-1/2" METAL CONDUIT SLEEVE THRU FLOOR. CONDUIT SHALL BE STUBBED UP BELOW ACCESS FLOOR.
- CONDUIT SHALL BE CONTINUOUS RUN, DOWN TO FLOOR BELOW AND THRU FLOOR AND TERMINATE IN TELCOM 011,







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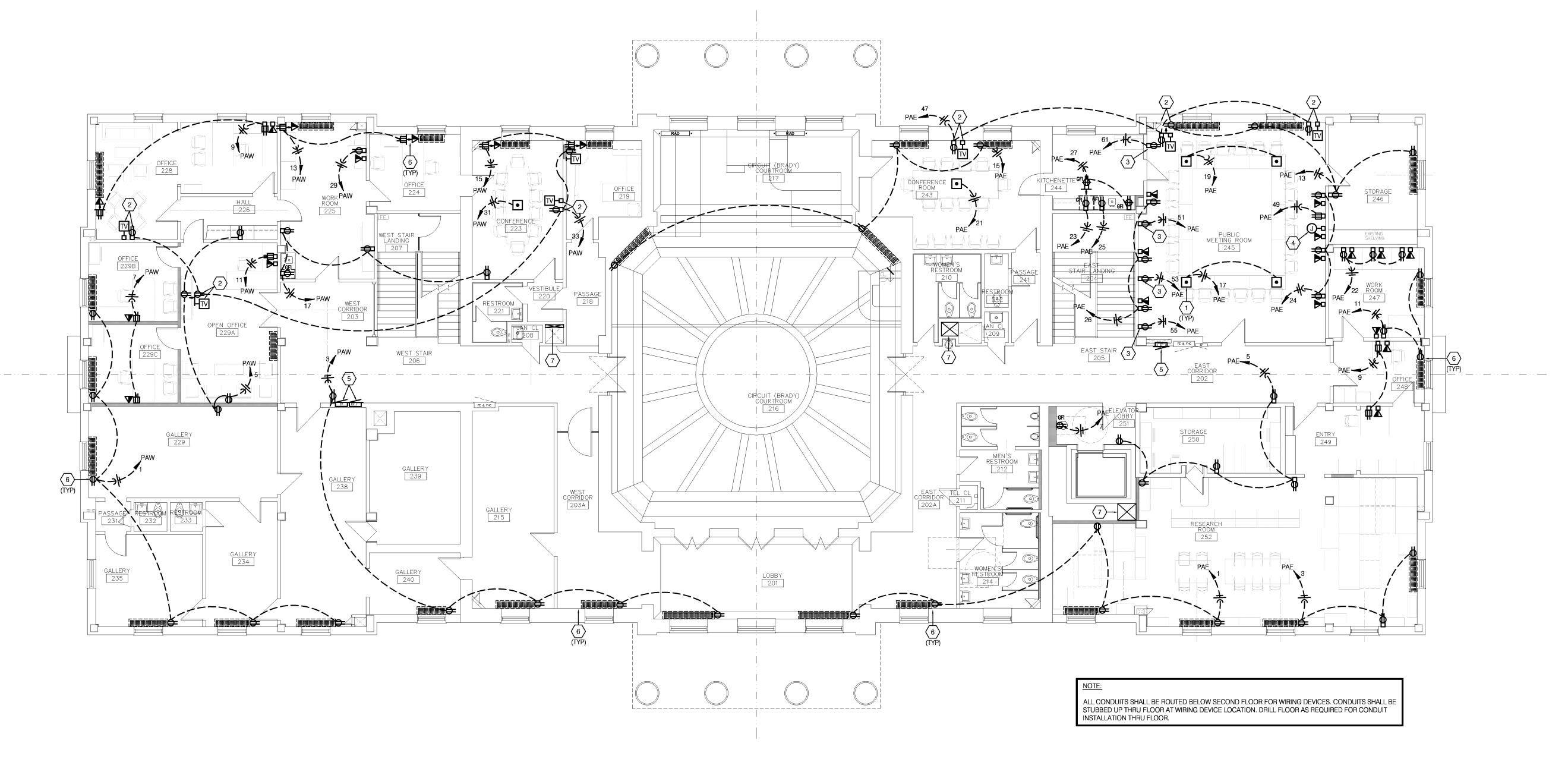
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FIRST FLOOR PLAN POWER

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- 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.
- RECEPTACLE ON DEDICATED CIRCUIT FOR PORTABLE SPOT LIGHTS. VERIFY EXACT LOCATION WITH JACKSON COUNTY COMMUNICATIONS DEPARTMENT PRIOR TO ROUGH-IN.
- JUNCTION BOX WITH 1" CONDUIT DOWN.
- 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 KEYED LOCK ON EXISTING PANEL ENCLOSURE.
- DUPLEX OR FOURPLEX RECEPTACLE AS SHOWN INSTALLED IN FAN COIL UNIT COVER. COORDINATE WITH CABINET SUPPLIER PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DRAWINGS.
- PANELBOARD AND EQUIPMENT FEEDERS SHALL BE ROUTED IN THIS AREA FROM LOWER LEVEL TO PANELS LOCATED.







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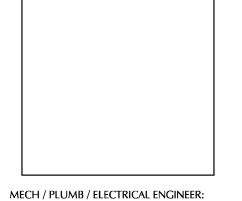
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2-POLE RELAY IN NEMA 1 ENCLOSURE INSTALLED ABOVE PANEL. CIRCUITS FOR MAG LOCKS SHALL BE ROUTED THRU RELAY. CONNECT TO FA PANEL SO THAT UPON ACTIVATION OF SYSTEM THE POWER TO THE DOORS IS DIDCONNECTED.



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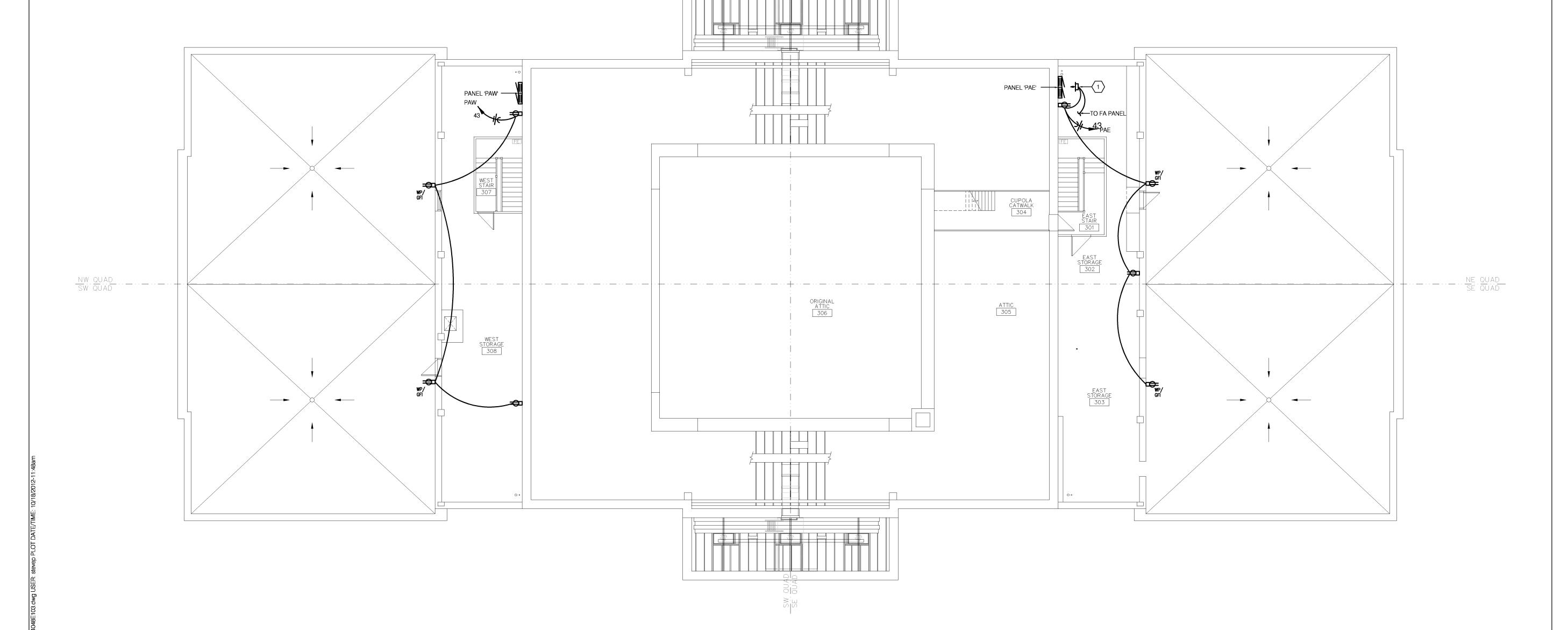
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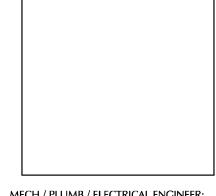
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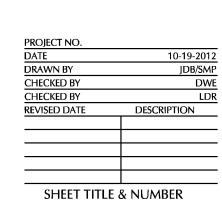
- 1 EXISTING FIXTURE TO BE RELAMPED. REFERENCE SCHEDULE.
- 2 INSTALL NEW FIXTURE IN EXISTING FIXTURE LOCATION.
- TO EF-6.



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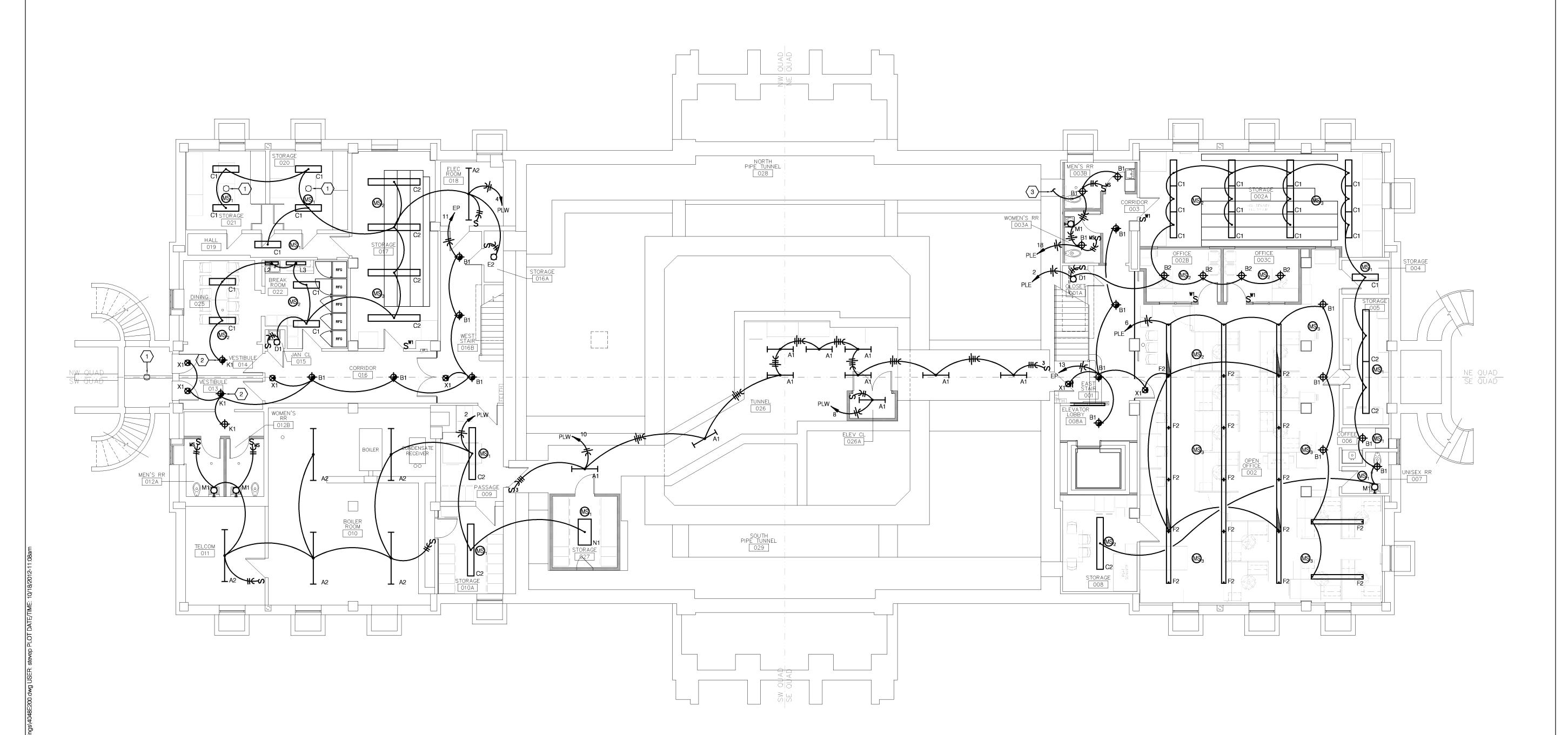
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- EXISTING FIXTURE TO REMAIN. CLEARN FIXTURE, RELAMP AND REPLACE PRISMATIC GLASS LENS.
- EXISTING FIXTURE TO REMAIN. CLEAN FIXTURE AND RETROFIT EXISTING INCANDESCENT FIXTURE WITH 42W COMPACT FLUORESCENT LAMP AND BALLAST.
- 3 EXISTING FIXTURE TO REMAIN.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



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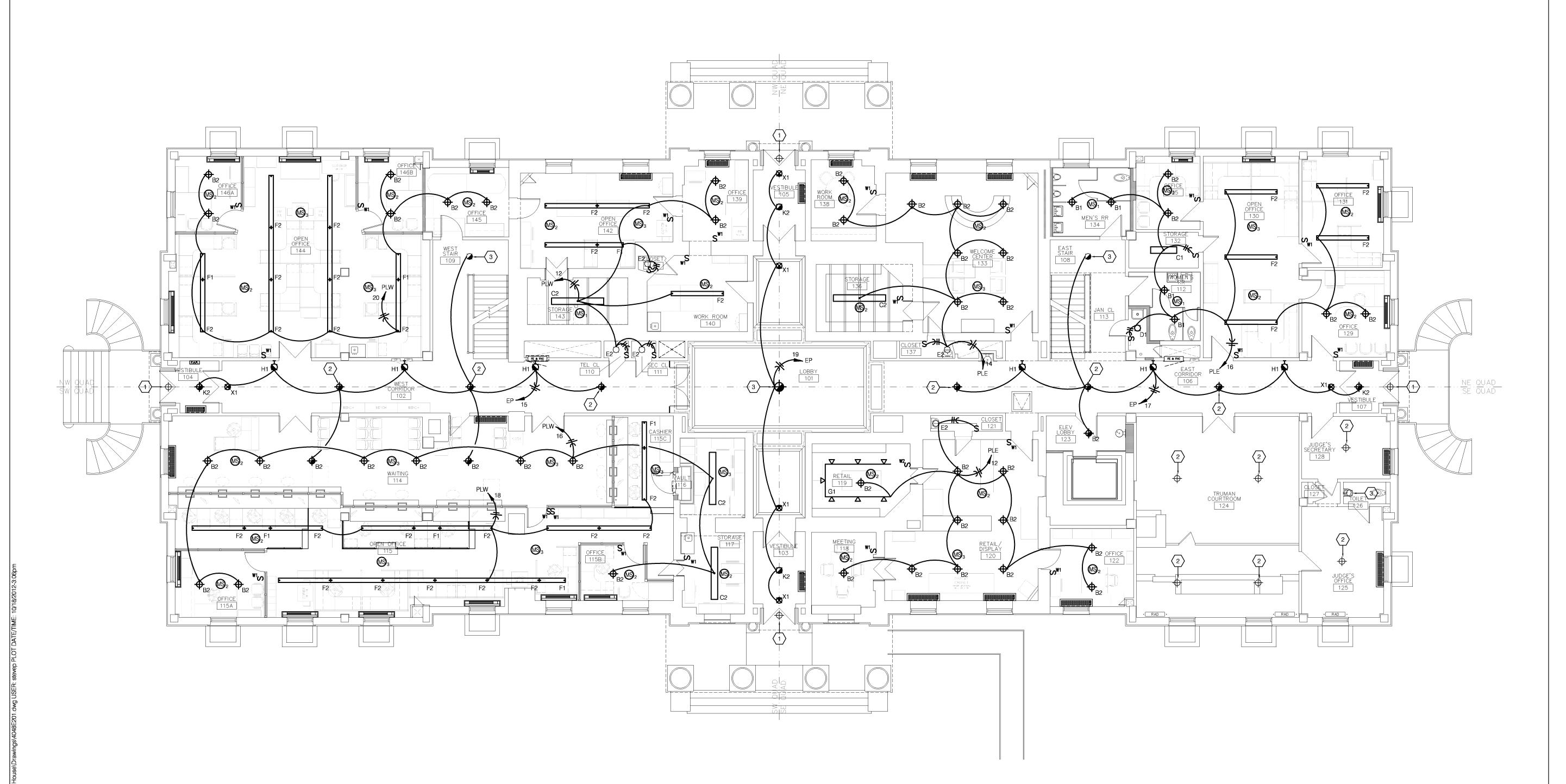
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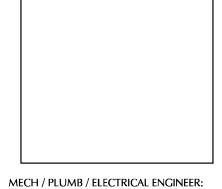
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- ALL EXISTING LIGHTING WITHIN THIS ROOM TO REMAIN. RECIRCUIT EXISTING LIGHTING CIRCUIT TO PANEL PAE AND TERMINATE ON CIRCUIT #12.
- 2 EXISTING FIXTURE TO BE RELAMPED. REFERENCE SCHEDULE.
- 3 UP TO LIGHT ON ATTIC LEVEL.
- REMOVE AND REINSTALL EXISTING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



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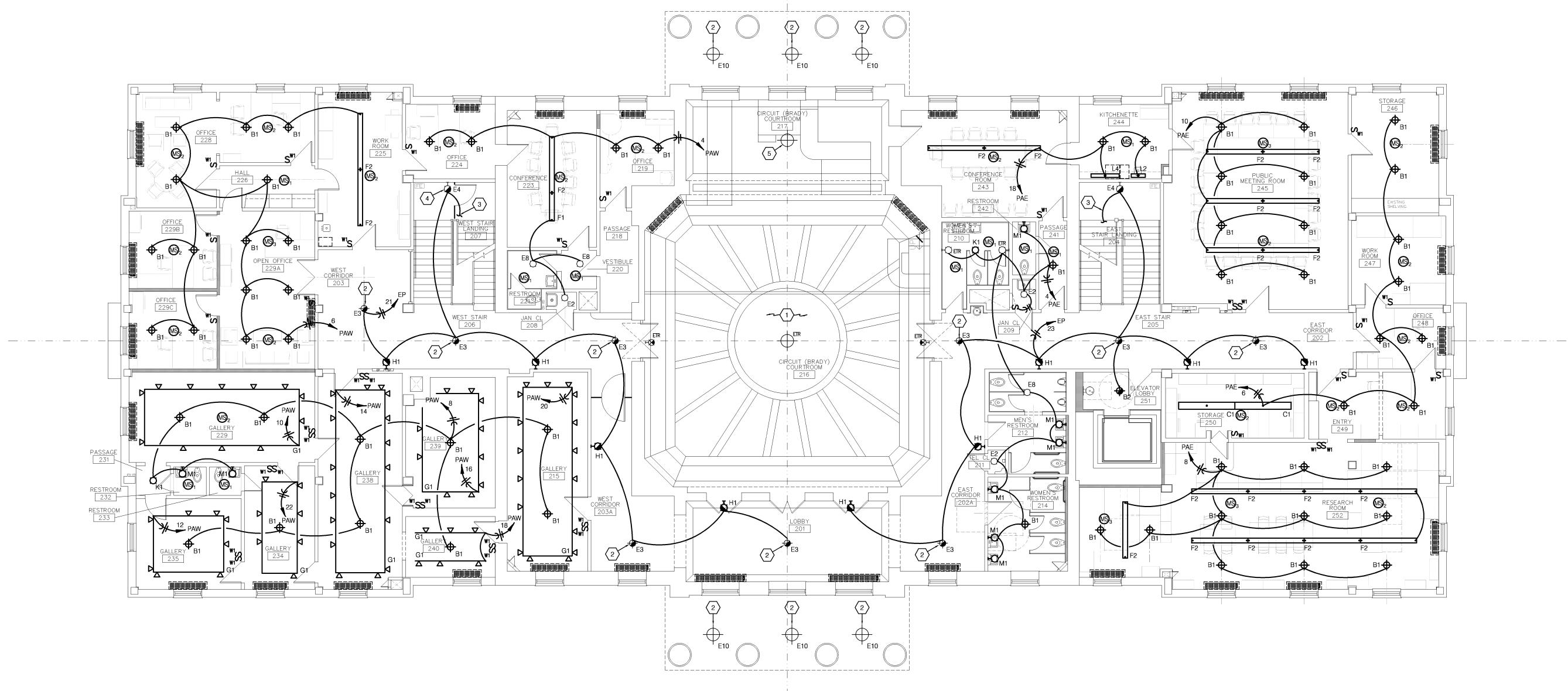
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- ALL EXISTING LIGHTING WITHIN THIS ROOM TO REMAIN. RECIRCUIT EXISTING LIGHTING CIRCUIT TO PANEL PAE AND TERMINATE ON CIRCUIT #14.
- 2 EXISTING FIXTURE TO BE RELAMPED. REFERENCE SCHEDULE.
- $\overline{3}$  DOWN TO LIGHT ON SECOND FLOOR.

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# TRUMAN COURTHOUSE INTERIOR RENOVATION

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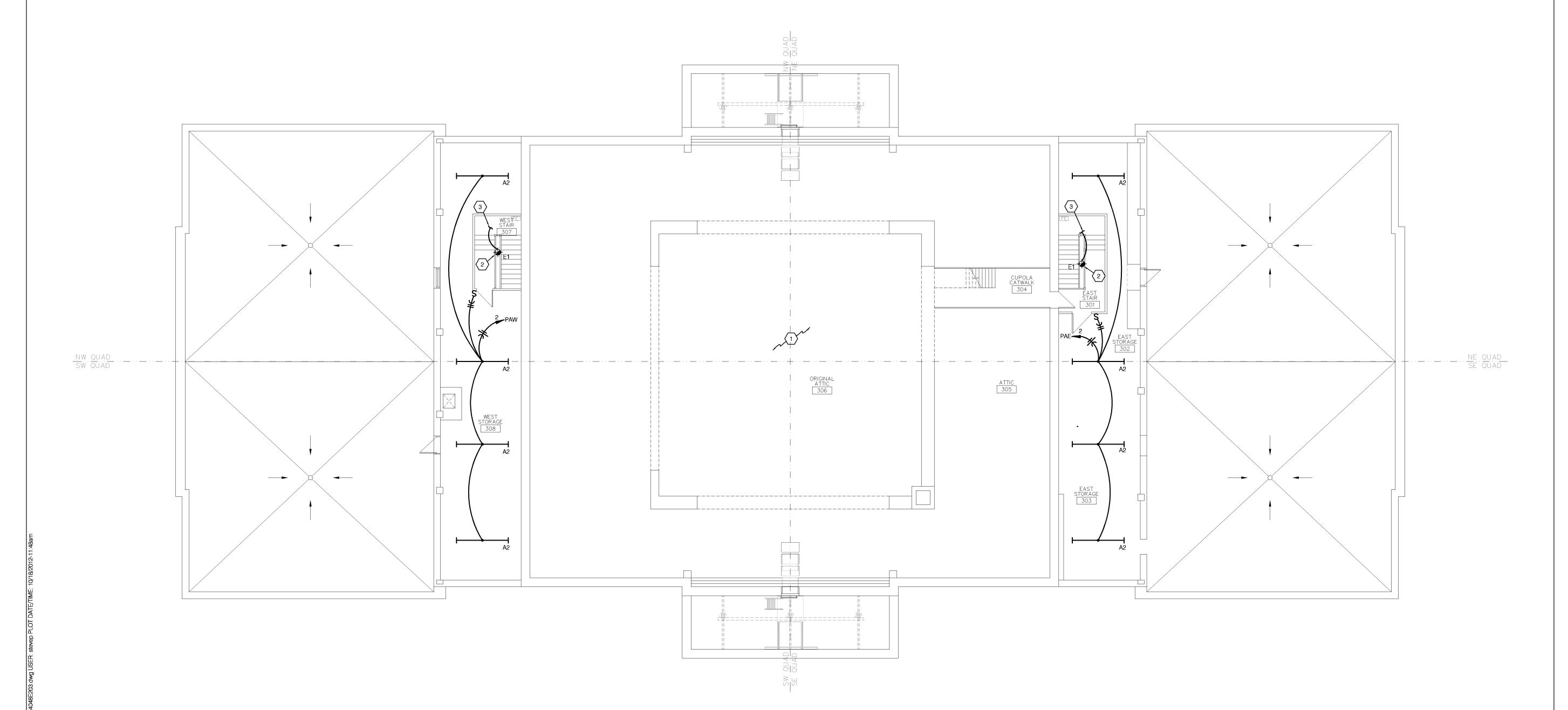
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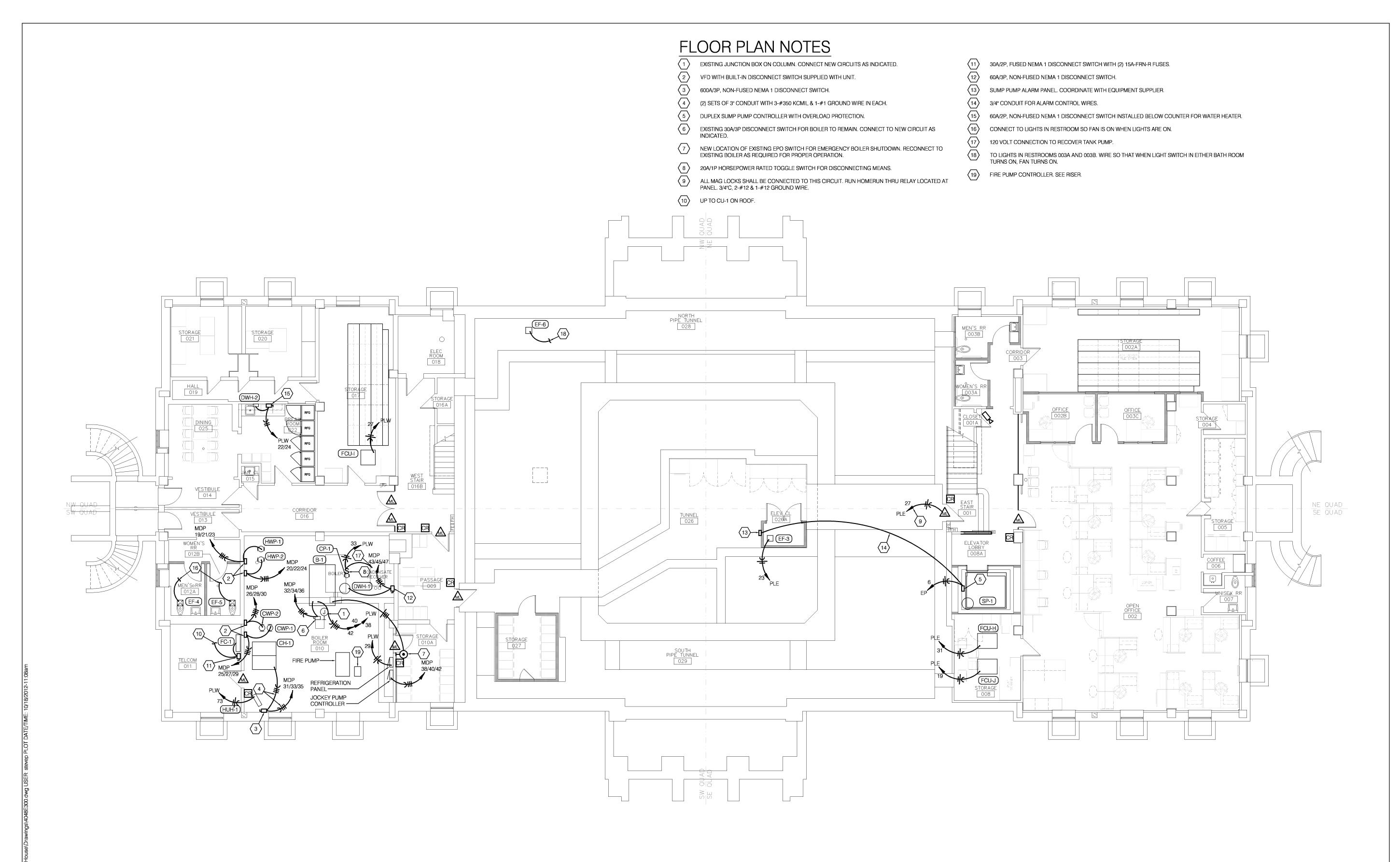
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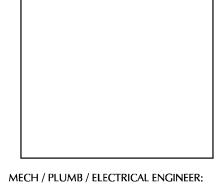
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- ALL MAG LOCKS SHALL BE CONNECTED TO THIS CIRCUIT. RUN HOMERUN THRU RELAY LOCATED AT PANEL. 3/4"C, 2-#12 & 1-#12 GROUND WIRE.
- STUB CONDUIT INTO LOWER LEVEL. CORE DRILL WALL AS REQUIRED AND CAULK/SEAL WATERTIGHT.
- CONNECT TO FIRE ALARM SYSTEM SO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



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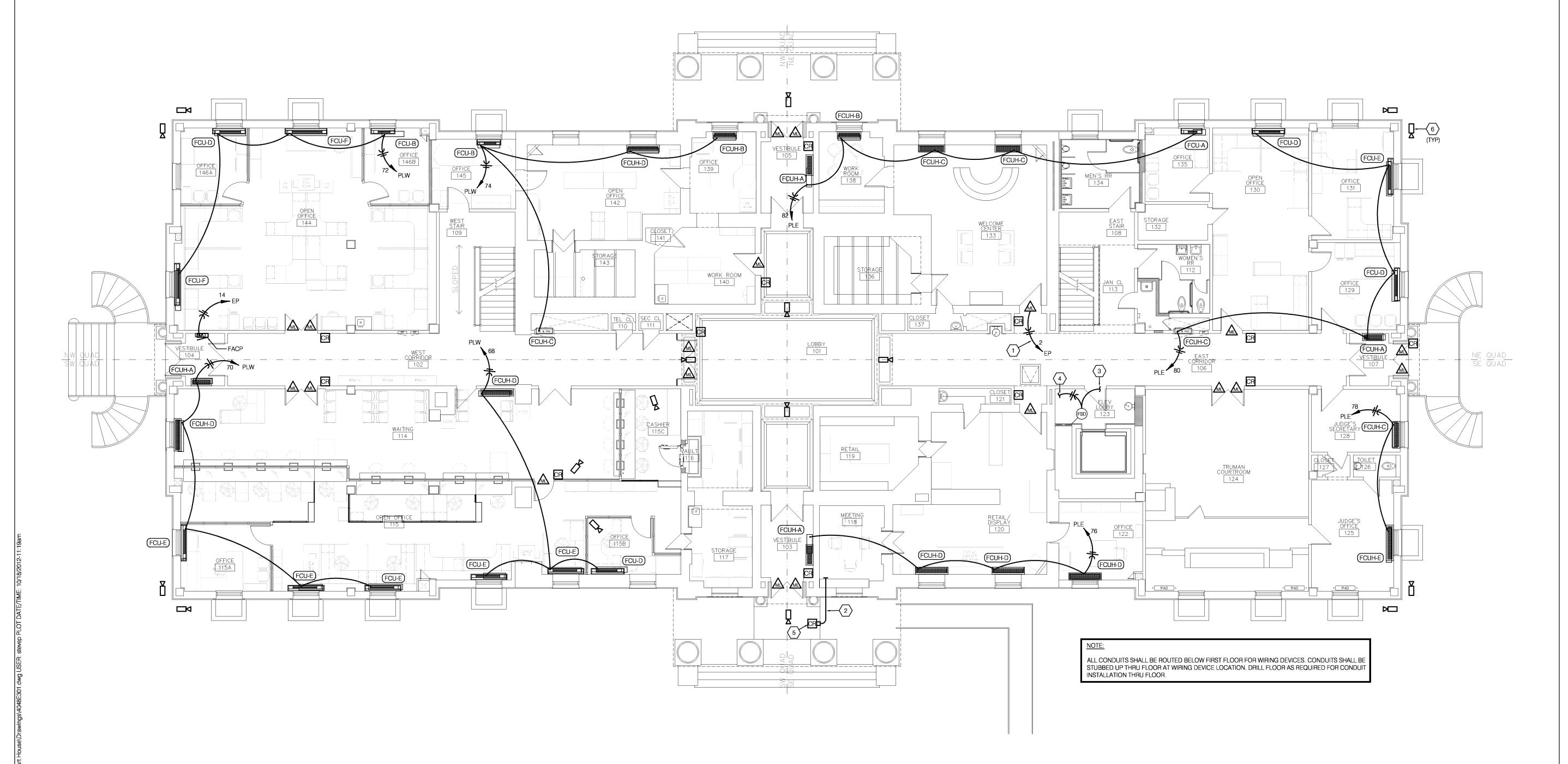
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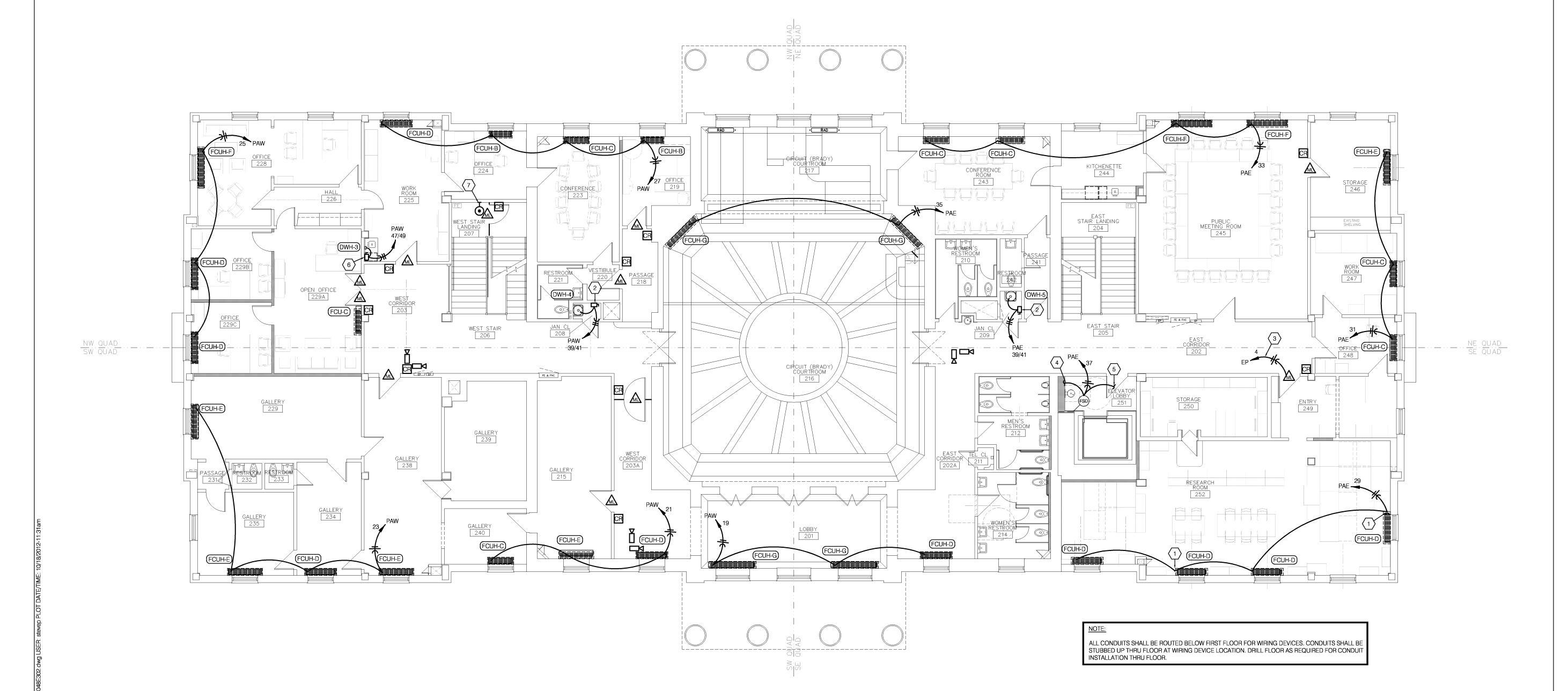
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- FCU IS FURNISHED WITH CONDENSATE PUMP INSTALLED IN HOUSING. PROVIDE 15A/1P HORSEPOWER RATED TOGGLE SWITCH IN HOUSING FOR PUMP. CONNECT PUMP TO SAME CIRCUIT AS FCU.
- 2) 30A/2P, NON-FUSED NEMA 1 DISCONNECT SWITCH.
- ALL MAG LOCKS SHALL BE CONNECTED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







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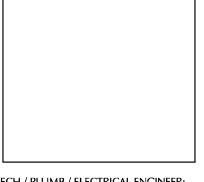
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- 60A/3P, NON-FUSED NEMA 3R DISCONNECT SWITCH.
- VFD WITH BUILT-IN DISCONNECT SWITCH FURNISHED WITH UNIT.
- ALL MAG LOCKS SHALL BE CONNECTED TO THIS CIRCUIT. RUN HOMERUN THRU RELAY LOCATED AT PANEL. 3/4"C, 2-#12 & 1-#12 GROUND WIRE.
- down to FC-1 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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# INTERIOR RENOVATION

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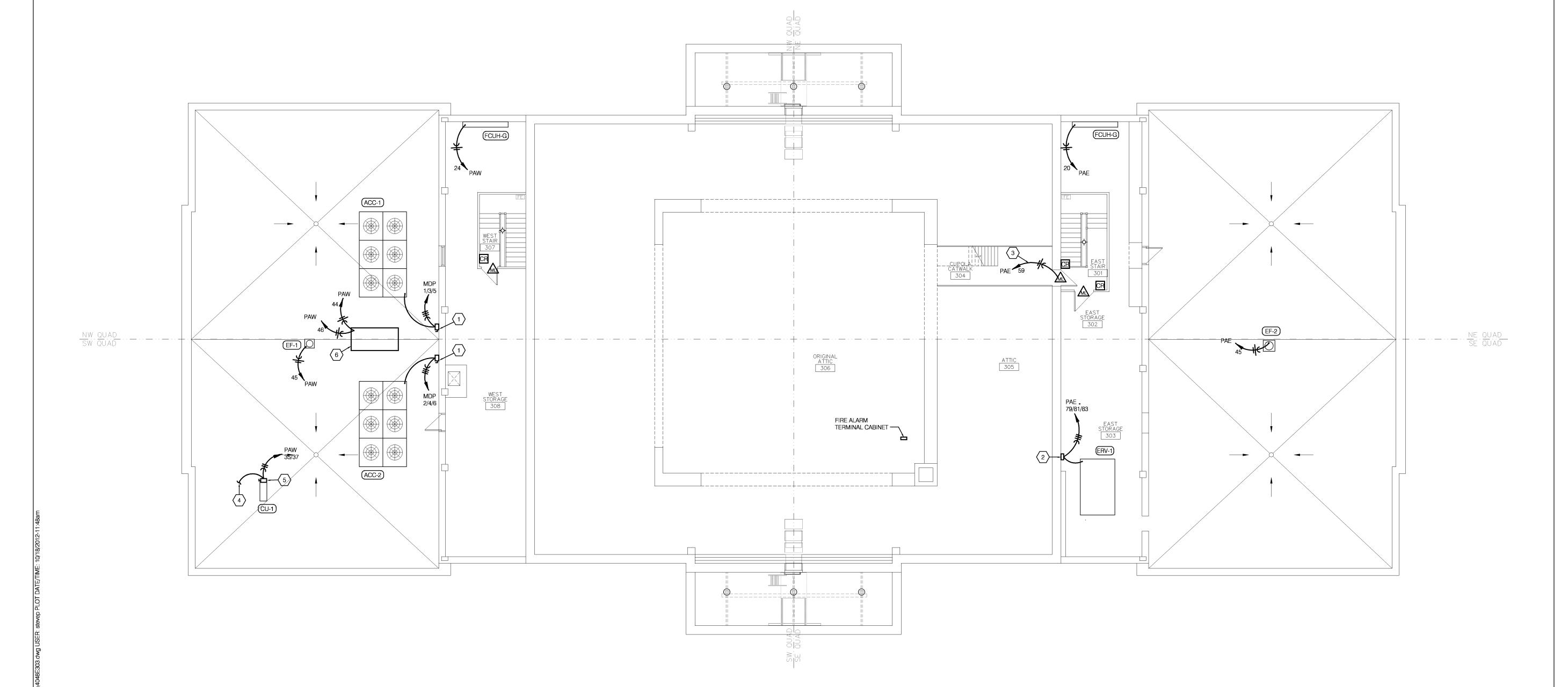
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### SYSTEM NO. 49 F RATINGS - 2 AND 3 HR. (SEE ITEM 2A) T RATING - O HR.

- 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 SEE CONCRETE BLOCK (CAZT) CATEGORY IN FIRE RESISTANCE DIRECTORY FOR NAMES
- 1A.) STEEL SLEEVE (OPTIONAL, NOT SHOWN) NOMINAL 12" DIAMETER (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPÉ SLEEVE CAST INTO CONCRETE FLOOR OR WALL. SLÉEVE TO BE FLUSH WITH OR PROJECT MAX 2" FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL.
- PIPE OR CONDUIT NOMINAL 20" DIAMETER (OR SMALLER) SCHEDULE 10S (OR HEAVIER) STEEL PIPE, NOMINAL 6" DIAMETER (OR SMALLER) RIGID STEEL CONDUIT, NOMINAL 6" DIAMETÉR (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBE, NOMINAL 4" DIAMETER. (OR SMALLER) CAST IRON PIPÉ OR NOMINAL. 4" DIAMETER. (OR SMALLER) STEEL EMT. MAXIMUM ONE PIPÉ 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.
- 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 ANNULÁR 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	MAXIMUM ANNULAR	PACKING MATERIAL	MINIMUM CAULK
DIAMETER. (IN.)	SPACE (IN.)	TYPE (a)	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)

BR = POLYETHYLENE BACKER ROD.CF = CERAMIC FIBER BLANKET.GF = GLASS FIBER INSULATION.

MW = MINERAL-WOOL BATT.

OF MANUFACTURERS.

- CAULK INSTALLED FLUSH WITH TOP SURFACE OF FLOOR OR BOTH SURFACE OF WALL. CAULK INSTALLED FLUSH WITH BOTTOM SURFACE OF FLOOR OR ONE SURFACE OF WALL.
- \* BEARING THE UL CLASSIFICATION MARKING

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SECTION A-A (FLOOR ASSEMBLY

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

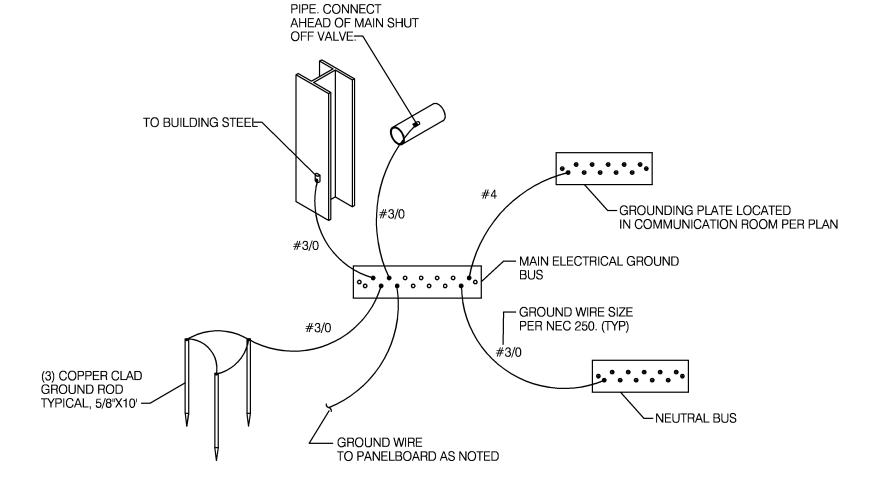
- FLOOR OR WALL ASSEMBLY MINIMUM 5" THICK REINFORCED NORMAL WEIGHT (100 -150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS\*. MAXIMUM DIAMETER OF OPENING IS 6". SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURÉRS.
- THROUGH 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) CONDUIT - NOMINAL 4" DIAMETER (OR SMALLER) ELECTRICAL METALLIC TUBING OR STEEL CONDUIT.
- 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
- 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 MANUFACTURER'S 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 TYPE FS SEALANT OR FS SEALANT SL	1 1/2

DOW CORNING CORP. - TYPES FS SEALANT, FS SEALANT SL (FLOOR ONLY) OR FS

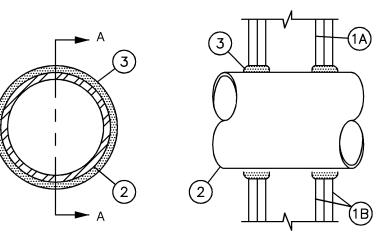
\* BEARING THE UL CLASSIFICATION MARKING.

### CONCRETE WALL/FLOOR FIRE STOPPING DETAIL



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)

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 FIRE-STOP 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:

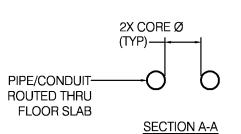
MAX PIPE OR CONDUIT DIAM IN. 1 1 4	ANNULAR SPACE IN 0 TO 3/16 1/4 TO 1/2 0 TO 1/4 1/4 TO 1/2	F RATING HR 1 OR 2 3 OR 4 1 OR 2 3 OR 4	T RATING OR 0+, 1 OR 2 3 OR 4 0 0
6	1/4 TO 1/2	3 OR 4	0
12	3/16 TO 3/8	1 OR 2	0

+ 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 WB, CP-25 WB+

\* BEARING THE UL CLASSIFICATION MARKING.

GYPSUM/STUD WALL FIRE STOPPING DETAIL

EXISTING FLOOR SLAB EXISTING STRUCTURAL SYSTEM--SAW CUT/CORE DRILL FLOOR IN STRICT ACCORDANCE WITH THE RULES AND REGULATIONS OF THE ARCHITECTS AND OF PIPING/CONDUIT TO MAINS. STRUCTURAL ENGINEERS SPECIFICATIONS. NO CORING OR RE: PLANS CUTTING OF JOISTS OR BEAMS IS ALLOWED.



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

TYPICAL CORE THRU FLOOR LOCATION DETAIL



Kansas City, Missouri 64108

MECH / PLUMB / ELECTRICAL ENGINEER:

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

**ISSUED FOR CONSTRUCTION** 

DRAWN BY **CHECKED BY** CHECKED BY REVISED DATE SHEET TITLE & NUMBER

> **ELECTRICAL DETAILS**

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YPE	MANUFACTURER	HEDULE TLAMPS	WATTS	DESCRIPTION	NOTES
			VOLTS		NOTE
A1	DAY-BRITE IA-2-32-120 OR EQUAL BY METALUX, HE WILLIAMS, LITHONIA	(2) 32W T8 3000K, 85 CRI	<u>58</u> 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	<u>116</u> 120	NOMINAL 8' LONG INDUSTRIAL STRIP FIXTURE WITH APERTURED REFLECTOR AND ELECTRONIC BALLAST. PROVIDE WITH AIRCRAFT CABLE MOUNTING SUSPENSION KIT.	
B1	VISA LIGHTING CP4514-2QF26-XXX	(2) 26W TRT 3000K, 85 CRI	<u>52</u> 120	14" DIAMETER SCHOOLHOUSE PENDANT FIXTURE WITH COMPACT FLUORESCENT LAMPING. FINISH TO BE SELECTED BY ARCHITECT.	
B2	VISA LIGHTING CP4516-2QF26-XXX	(2) 26W TRT 3000K, 85 CRI	<u>52</u> 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-CXX- AP-4	(2) 32WT8 3000K, 85 CRI	<u>58</u> 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-CXX- AP-8	(4) 32WT8 3000K, 85 CRI	<u>116</u> 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-ET5HO-120-SK-CXX- AP-4	(2) 54WT5HO 3000K, 85 CRI	<u>120</u> 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-ET5HO-120-SK-CXX- AP-8	(4) 54WT5HO 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	<u>21</u> 120	LED ADJUSTABLE TRACK HEAD. PROVIDE WITH MATCHING SINGLE CIRCUIT SURFACE MOUNTED TRACK.	2
H1	FINELITE S16WM-WCB-4-2-T5HO-SC-EP- 120	(2) 54WT5HO 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
& J	NOT USED				
K1	VISA LIGHTING CM1001-2QF26-XXX	(2) 26W TRT 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-UC-1-14-W-120-RS OR EQUAL BY METALUX, HE WILLIAMS, LITHONIA	(1) 14W T5 3000K, 85 CRI	<u>17</u> 120	NOMINAL 2' LONG LINEAR FLUORESCENT UNDERCABINET FIXTURE WITH ROCKER SWITCH.	
L3	DAY-BRITE 5-UC-1-21-W-120-RS OR EQUAL BY METALUX, HE WILLIAMS, LITHONIA	(1) 21W T5 3000K, 85 CRI	<u>24</u> 120	NOMINAL 3' LONG LINEAR FLUORESCENT UNDERCABINET FIXTURE WITH ROCKER SWITCH.	
L4	DAY-BRITE 5-UC-1-28-W-120-RS OR EQUAL BY METALUX, HE WILLIAMS, LITHONIA	(1) 28W T5 3000K, 85 CRI	<u>30</u> 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-CP-G-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 55L-3-R 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.

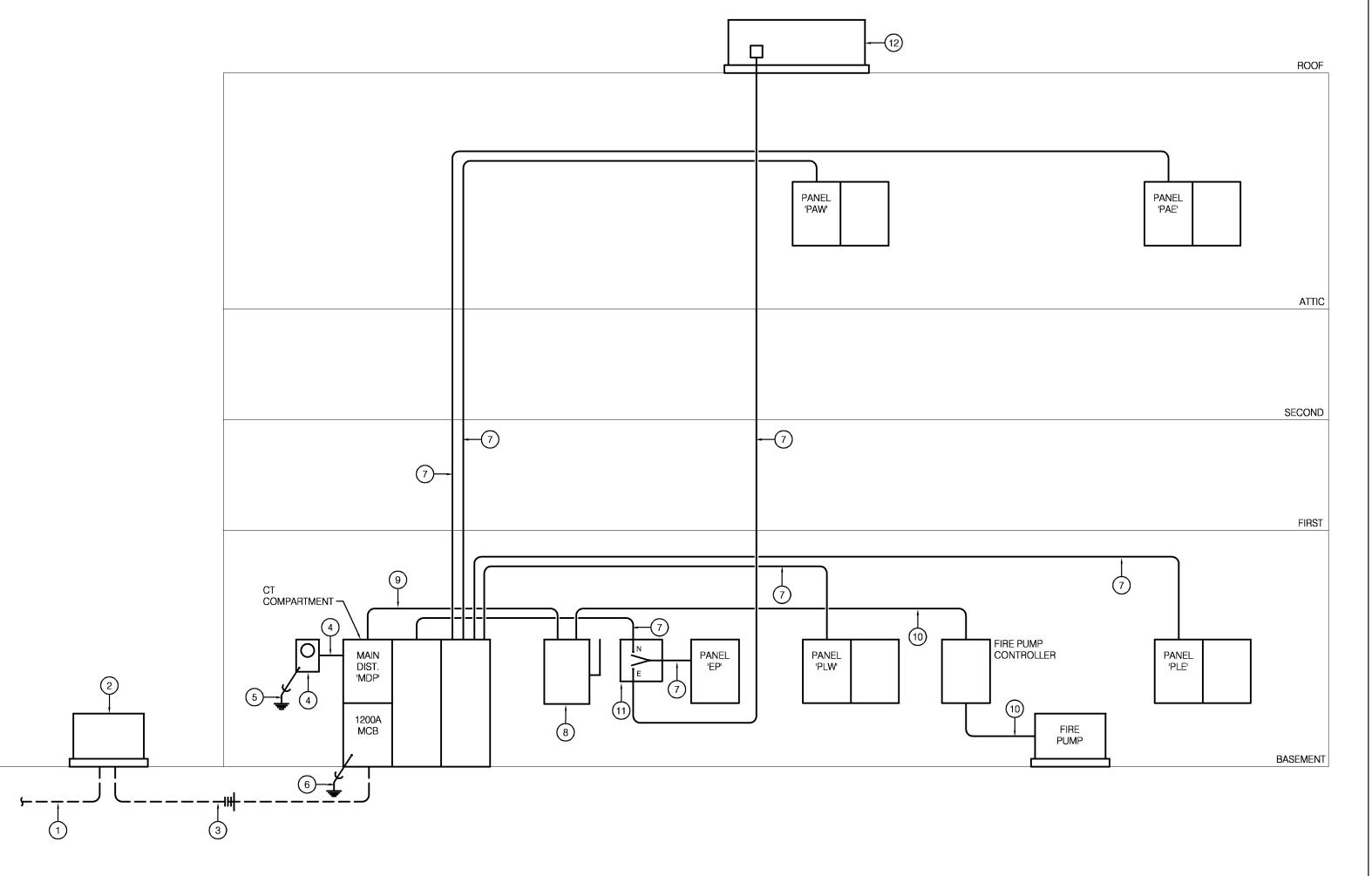
2 REFERENCE PLANS FOR TRACK LENGTH. 3 COORDINATE MOUNTING HEIGHT WITH ARCHITECT.

### 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.

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



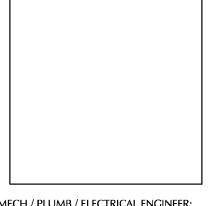
### ELECTRICAL RISER DIAGRAM

NO SCALE

### RISER NOTES

- (1) 4" PVC CONDUIT FOR PRIMARY SERVICE CABLES. TERMINATE AS DIRECTED BY UTLITY COMPANY. INSTALL CONDUIT WITH TOP MINIMUM OF 30" BELOW FINISHED GRADE.
- UTILITY COMPANY PAD MOUNTED TRANSFORMER WITH 208Y/120V, 3-PHASE, 4-WIRE SECONDARY. INSTALL CONCRETE PAD PER UTILITY COMPANY REQUIREMENTS.
- (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
- 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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FAX. (816) 221-1429

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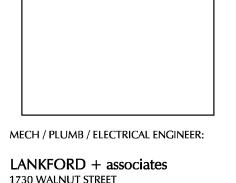
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SHEET TITLE	& NUMBER

**ELECTRICAL** 

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			NEW			PAN	ELBO	ARD	PLW	SCH	EDULE								
			208/120 VOLT , 3 - PHASE , 4 - WIRE														65000 A		
			200 AMP MCB / 200 AMP MAIN BREAKER						MOU	INTING:	SURFACE				LOC	ATION:	ELECT (	018	
EV	NOTE		LOAD	BRKF	}		LOAD I	(VA			LOAD	BRKF	}		LOAD K	VA		NOTE	REV
Ο.	NO.	CRT#	DESCRIPTION	Р	AMP	Α	В	С	3PH	CRT#	DESCRIPTION	Р	AMP	Α	В	С	3PH	NO.	NO.
		- 1	SPARE		100						LTG; BSMT SW CORNER	1	200	0.05					
			SPARE	1	20			1		2	LTG; BSMT SW CORNER  LTG; BSMT NW OFFICES	1	20	0.95	1.2				
			SPARE	1	20					6	SPARE	1	20		1.2				
			REC; GENERAL PURPOSE	1	20	1.08	7			8	LTG; ELEV CL	1	20	1.1	1				
		9	GFI REC - RR	1	20		0.36			10	LTG; BSMT CORRIDOR	1	20						
			REC; GENERAL PURPOSE	1	20		_	1.08		12	LTG; 1ST NW OFFICES	1	20		,	1.4			
			REFRIGERATOR	1	20	0.8		1		14	SPARE	1	20		<u> </u>				_
			REFRIGERATOR	1 1	20		0.8	0.0		16	LTG; 1ST WAITING	1	20		1	17			+-
			REFRIGERATOR REFRIGERATOR	1	20	0.8	٦	0.8		18 20	LTG; 1ST TELLERS LTG; NW OFFICES	1	20	1.65	1	1.7			
			REFRIGERATOR	1	20	0.0	0.8	1		22	DWH-2	2	50	1.00	4.15				
			MICROWAVE	1	20	1		1.5		24						4.15			
			MICROWAVE	1	20	1.5				26	SPARE	1	20						
			FCU-1	1	20		0.59			28	SPARE	1	20						<u> </u>
$\dashv$			REFRIGERATION PANEL	1	20	0.00	7	0.5		30	SPARE	1	20		1				_
$\dashv$			REC SECURITY CIRC PUMP	1	20	0.36	0.25	1		32 34	SPARE SPARE	1	20						+-
			CLOCK SYSTEM	1	20	1	U.Z3	1		36	SPARE	1	20						1
			BELL RINGER	2	20	0.8	1	<u>'</u>			BOILER PUMP	1	20		]				
		39					0.8	1		40	BOILER CONTROLLER	1	20						
		41	SPARE	1	20					42	BOILER DAMPER	1	20						
			NEW			PAN	<b>ELBO</b>	ARD	PLW	SCH	EDULE	SE	CTION	12					
_v T	NOTE		208/120 VOLT , 3 - PHASE , 4 - WIRE 200 AMP	BRKF	2	I	LOAD I	Λ/Δ	MOU	INTING:	SURFACE LOAD	BRKF	}		LOC LOAD K		ELECT (		RE
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						1	1	1		1				l					
		43	REC - RM 115A OFFICE	1	20	0.54		_		44	SYSTEM FURNITURE	1	20	0.8					
		45	REC - RM 115 COPIER	1	20	0.54	1.2	1		46	SYSTEM FURNITURE	1	20	0.8	0.8				
		45 47	REC - RM 115 COPIER REC - RM 115 COPIER		20 20		1.2	1.2		46 48	SYSTEM FURNITURE SYSTEM FURNITURE	1 1	20 20		0.8	0.8			
		45 47 49	REC - RM 115 COPIER REC - RM 115 COPIER REC - RM 114 COUNTER	1 1 1	20 20 20	0.54		1.2		46 48 50	SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE	1 1 1	20 20 20	0.8		0.8			
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		45 47 49 51 53	REC - RM 115 COPIER REC - RM 115 COPIER REC - RM 114 COUNTER REC - RM 114 COUNTER REC - RM 114 COUNTER	1 1 1	20 20 20 20 20 20			0.72		46 48 50	SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE	1 1 1	20 20 20 20 20 20			0.8			
		45 47 49 51 53 55	REC - RM 115 COPIER REC - RM 115 COPIER REC - RM 114 COUNTER REC - RM 114 COUNTER	1 1 1	20 20 20 20 20	0.9				46 48 50 52 54	SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE	1 1 1 1	20 20 20 20 20	0.8					
		45 47 49 51 53 55 57 59	REC - RM 115 COPIER REC - RM 115 COPIER REC - RM 114 COUNTER REC - RM 115 COUNTER REC - RM 115 COUNTER	1 1 1 1 1	20 20 20 20 20 20 20	0.9	0.9			46 48 50 52 54 56	SYSTEM FURNITURE	1 1 1 1 1	20 20 20 20 20 20 20	0.8	0.8				
		45 47 49 51 53 55 57 59 61	REC - RM 115 COPIER REC - RM 115 COPIER REC - RM 114 COUNTER REC - RM 115 COUNTER	1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20	0.9	0.9	0.72		46 48 50 52 54 56 58 60 62	SYSTEM FURNITURE	1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63	REC - RM 115 COPIER REC - RM 115 COPIER REC - RM 114 COUNTER REC - RM 115 COUNTER	1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20	0.9	0.9	0.72		46 48 50 52 54 56 58 60 62 64	SYSTEM FURNITURE	1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 114, 116, 117  REC - RM 115B, 115C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144	1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20	0.9	0.9	0.72		46 48 50 52 54 56 58 60 62 64 66	SYSTEM FURNITURE	1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65	REC - RM 115 COPIER REC - RM 115 COPIER REC - RM 114 COUNTER REC - RM 115 COUNTER	1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20	0.9	0.9	0.72		46 48 50 52 54 56 58 60 62 64	SYSTEM FURNITURE FCU RM 114, 115B	1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 114, 116, 117  REC - RM 115B, 115C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A	1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9	0.9	0.72		46 48 50 52 54 56 58 60 62 64 66 68	SYSTEM FURNITURE	1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67 69 71	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 115 L15 C  REC - RM 115 C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 144  HUH-1	1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9	0.9	0.72		46 48 50 52 54 56 58 60 62 64 66 68 70 72	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 144,146A,146B FCU RM 102,145,142,139	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 115 COUNTER  REC - RM 144 COUNTER  REC - RM 146 COUNTER  REC - RM 144 COUNTER  REC - RM 142 COUNTER  REC - RM 144 COUNTER  REC - RM 142 COUNTER  REC - RM 144 COUNTER  REC - RM 142 COUNTER  REC - RM 142 COUNTER  REC - RM 145 COUNTER  REC - RM 145 COUNTER  REC - RM 146 COUNTER  RE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72	0.9	0.72		46 48 50 52 54 56 58 60 62 64 66 68 70 72 74	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 144,146A,146B FCU RM 102,145,142,139 REC; RM 114 COUNTER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 115, 115 C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 142  REC - RM 144	1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54	0.9	0.72		46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 104,115,115A,114 FCU RM 102,145,142,139 REC; RM 114 COUNTER REC; RECEPTION RM 114	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.8 0.79	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 115, 115 C  REC - RM 115B, 115 C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 144  HUH-1  REC - RM 142  REC - RM 142  REC - RM 142  REC - RM 142	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72	0.9 0.72 0.4 0.54	0.72		46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 104,115,115A,114 FCU RM 102,145,142,139 REC; RM 114 COUNTER REC; RECEPTION RM 114 REC; RM 115C PRINTER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 115, 115 C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 142  REC - RM 144	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54	0.9	0.72		46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 104,115,115A,114 FCU RM 102,145,142,139 REC; RM 114 COUNTER REC; RECEPTION RM 114	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.8 0.79	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 114, 116, 117  REC - RM 115B, 115C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 144  HUH-1  REC - RM 142  REC - RM 142  REC - RM 142  REC - RM 139	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54	0.9 0.72 0.4 0.54	0.72		46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 104,145,142,139 REC; RM 114 COUNTER REC; RECEPTION RM 114 REC; RM 115C PRINTER SPARE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.8 0.79	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 114, 116, 117  REC - RM 115B, 115C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 144  HUH-1  REC - RM 142  REC - RM 142  REC - RM 142  REC - RM 139	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54 0.6	0.9 0.72 0.4 0.54	0.72	0	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 104,145,142,139 REC; RM 114 COUNTER REC; RECEPTION RM 114 REC; RM 115C PRINTER SPARE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.8 0.79 0.52	0.8 0.8 0.8 0.8 0.85	0.8 0.8 0.8 0.7 0.36	0.0		
	NOTES	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 114, 116, 117  REC - RM 115B, 115C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 144  HUH-1  REC - RM 142  REC - RM 142  REC - RM 142  REC - RM 139	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54 0.6	0.9 0.72 0.4 0.54 0.54	0.72	0	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 144,146A,146B FCU RM 102,145,142,139 REC; RM 114 COUNTER REC; RECEPTION RM 114 REC; RM 115C PRINTER SPARE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.8 0.79 0.52	0.8 0.8 0.8 0.85 0.36	0.8 0.8 0.8 0.7 0.36	0.0		
	NOTES:	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 114, 116, 117  REC - RM 115B, 115C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 144  HUH-1  REC - RM 142  REC - RM 142  REC - RM 142  REC - RM 139	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54 0.6	0.9 0.72 0.4 0.54 0.54	0.72	0	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 144,146A,146B FCU RM 102,145,142,139 REC; RM 114 COUNTER REC; RECEPTION RM 114 REC; RM 115C PRINTER SPARE SPARE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.79 0.52 1.5	0.8 0.8 0.8 0.85 0.36	0.8 0.8 0.8 0.7 0.36 11.51 10.12 21.63			
	NOTES	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 114, 116, 117  REC - RM 115B, 115C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 144  HUH-1  REC - RM 142  REC - RM 142  REC - RM 142  REC - RM 139	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54 0.6	0.9 0.72 0.4 0.54 0.54	0.72	0	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 144,146A,146B FCU RM 102,145,142,139 REC; RM 114 COUNTER REC; RECEPTION RM 114 REC; RM 115C PRINTER SPARE SPARE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.8 0.79 0.52	0.8 0.8 0.8 0.85 0.36	0.8 0.8 0.8 0.7 0.36	0.0		
	NOTES	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 114, 116, 117  REC - RM 115B, 115C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 144  HUH-1  REC - RM 142  REC - RM 142  REC - RM 142  REC - RM 139	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54 0.6	0.9 0.72 0.4 0.54 0.54	0.72	0	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 144,146A,146B FCU RM 102,145,142,139 REC; RM 114 COUNTER REC; RECEPTION RM 114 REC; RM 115C PRINTER SPARE SPARE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.79 0.52 1.5	0.8 0.8 0.8 0.85 0.36 10.76 8.62 19.38 161.5	0.8 0.8 0.8 0.7 0.36 11.51 10.12 21.63	0.0		
	NOTES	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 114, 116, 117  REC - RM 115B, 115C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 144  HUH-1  REC - RM 142  REC - RM 142  REC - RM 142  REC - RM 139	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54 0.6	0.9 0.72 0.4 0.54 0.54	0.72	0	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 104,145,142,139 REC; RM 114 COUNTER REC; RECEPTION RM 114 REC; RM 115C PRINTER SPARE SPARE  KVA AMP	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.79 0.52 1.5	0.8 0.8 0.8 0.85 0.36 10.76 8.62 19.38 161.5 60.62 168.26	0.8 0.8 0.8 0.7 0.7 0.36 11.51 10.12 21.63 180.3 KVA AMPS	0.0		
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 114, 116, 117  REC - RM 115B, 115C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 144  HUH-1  REC - RM 142  REC - RM 142  REC - RM 142  REC - RM 139	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54 0.6	0.9 0.72 0.4 0.54 0.54	0.72	0	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 104,145,142,139 REC; RM 114 COUNTER REC; RECEPTION RM 114 REC; RM 115C PRINTER SPARE SPARE  KVA AMP	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.79 0.52 1.5	0.8 0.8 0.8 0.85 0.36 10.76 8.62 19.38 161.5 60.62 168.26 11.25	0.8 0.8 0.8 0.7 0.7 0.36 11.51 10.12 21.63 180.3 KVA AMPS KVA	0.0		
	NOTES:	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 114, 116, 117  REC - RM 115B, 115C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 144  HUH-1  REC - RM 142  REC - RM 142  REC - RM 142  REC - RM 139	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54 0.6	0.9 0.72 0.4 0.54 0.54	0.72	0	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 144,146A,146B FCU RM 102,145,142,139 REC; RM COUNTER REC; RECEPTION RM 114 REC; RM 115C PRINTER SPARE SPARE  KVA AMP  TOTAL CON TOTAL CON TOTAL CON TOTAL CON RECEPTACLES ( RECEPTACLES)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.79 0.52 1.5	0.8 0.8 0.8 0.8 0.85 0.36 10.76 8.62 19.38 161.5 60.62 168.26 11.25 10.00	0.8 0.8 0.8 0.7 0.7 0.36 11.51 10.12 21.63 180.3 KVA AMPS KVA KVA	0.0		
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 114, 116, 117  REC - RM 115B, 115C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 144  HUH-1  REC - RM 142  REC - RM 142  REC - RM 142  REC - RM 139	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54 0.6	0.9 0.72 0.4 0.54 0.54	0.72	0	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 104,145,142,139 REC; RM 102,145,142,139 REC; RECEPTION RM 114 REC; RECEPTION RM 114 REC; RM 115C PRINTER SPARE SPARE  KVA AMP  TOTAL CON TOTAL CON TOTAL CON TOTAL CON RECEPTACLES ( RECEPTACLES (	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.79 0.52 1.5	0.8 0.8 0.8 0.85 0.36 0.36 10.76 8.62 19.38 161.5 60.62 168.26 11.25 10.00 13.08	0.8 0.8 0.8 0.7 0.7 0.36 11.51 10.12 21.63 180.3 KVA AMPS KVA KVA KVA	0.0		
	REV:	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 114, 116, 117  REC - RM 115B, 115C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 144  HUH-1  REC - RM 142  REC - RM 142  REC - RM 142  REC - RM 139	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54 0.6	0.9 0.72 0.4 0.54 0.54	0.72	0	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 102,145,142,139 REC; RM 114 COUNTER REC; RECEPTION RM 114 REC; RM 115C PRINTER SPARE SPARE  KVA AMP  TOTAL CONNEC LIGHTS (  RECEPTACLES (   RECEPTACLES (   RECEPTACLES (   RECEPTACLES (   RECEPTACLES (   RECEPTACLES (    RECEPTACLES (    RECEPTACLES (     RECEPTACLES (     RECEPTACLES (      RECEPTACLES (       RECEPTACLES (         RECEPTACLES (	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.79 0.52 1.5	0.8 0.8 0.8 0.85 0.36 10.76 8.62 19.38 161.5 60.62 168.26 11.25 10.00 13.08 0.00	0.8 0.8 0.8 0.7 0.36 11.51 10.12 21.63 180.3 KVA AMPS KVA KVA KVA KVA	0.0		
	REV: GENERAI	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83	REC - RM 115 COPIER  REC - RM 115 COPIER  REC - RM 114 COUNTER  REC - RM 114, 116, 117  REC - RM 115B, 115C  REC - RM 115C  KIOSK RM 114  REC - RM 104, 114, 144  REC - RM 146A  REC - RM 146B  REC - RM 144  HUH-1  REC - RM 142  REC - RM 142  REC - RM 142  REC - RM 139	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54 0.6	0.9 0.72 0.4 0.54 0.54	0.72	0	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 104,145,142,139 REC; RM 102,145,142,139 REC; RECEPTION RM 114 REC; RECEPTION RM 114 REC; RM 115C PRINTER SPARE SPARE  KVA AMP  TOTAL CON TOTAL CON TOTAL CON TOTAL CON RECEPTACLES ( RECEPTACLES (	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.79 0.52 1.5	0.8 0.8 0.8 0.85 0.36 0.36 10.76 8.62 19.38 161.5 60.62 168.26 11.25 10.00 13.08	0.8 0.8 0.8 0.7 0.36 11.51 10.12 21.63 180.3 KVA AMPS KVA KVA KVA KVA KVA KVA	0.0		
	REV: GENERAI	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83	REC - RM 115 COPIER REC - RM 114 COUNTER REC - RM 115 L15C REC - RM 115C REC - RM 115C KIOSK RM 114 REC - RM 146A REC - RM 146B REC - RM 142 REC - RM 142 REC - RM 142 REC - RM 142 REC - RM 149 REC - RM 145	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54 0.6 0.54	0.9 0.72 0.4 0.54 0.72 0.54	0.72 0.72 0.36 0.5 1.2	0	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 144,146A,146B FCU RM 102,145,142,139 REC; RECEPTION RM 114 REC; RM 115C PRINTER SPARE SPARE  KVA AMP  TOTAL CON TOTAL CON TOTAL CON TOTAL CON TOTAL CON TOTAL CON CONTINUOUS LOADS (  OTHER AND NON-CONTINUOUS LOADS (  TOTAL	1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.79 0.52 1.5	0.8 0.8 0.8 0.85 0.36 10.76 8.62 19.38 161.5 60.62 11.25 10.00 13.08 0.00 0.00 6.36 51.07	0.8 0.8 0.8 0.7 0.36 11.51 10.12 21.63 180.3 KVA KVA KVA KVA KVA KVA KVA KVA KVA	0.0		
	REV: GENERAI	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83	REC - RM 115 COPIER REC - RM 115 COPIER REC - RM 114 COUNTER REC - RM 115B, 115C REC - RM 115B, 115C REC - RM 115C KIOSK RM 114 REC - RM 104, 114, 144 REC - RM 146A REC - RM 146B REC - RM 142 REC - RM 142 REC - RM 142 REC - RM 142 REC - RM 145	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.9 0.72 0.72 0.54 0.6 0.54	0.9 0.72 0.4 0.54 0.72 0.54	0.72 0.72 0.36 0.5 1.2	0	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 114, 115B FCU RM 104,115,115A,114 FCU RM 144,146A,146B FCU RM 102,145,142,139 REC; RECEPTION RM 114 REC; RM 115C PRINTER SPARE SPARE  KVA AMP  TOTAL CON TOTAL CON TOTAL CON TOTAL CON TOTAL CON TOTAL CON CONTINUOUS LOADS (  OTHER AND NON-CONTINUOUS LOADS (  TOTAL	1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.79 0.52 1.5	0.8 0.8 0.8 0.85 0.36 10.76 8.62 19.38 161.5 60.62 11.25 10.00 13.08 0.00 0.00 6.36 51.07	0.8 0.8 0.8 0.7 0.36 11.51 10.12 21.63 180.3 KVA KVA KVA KVA KVA KVA KVA KVA KVA KVA	0.0		

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יבוע	NOTE		LOAD	Тррир		I	LOAD	7.//		I	LOAD	DDVD		I	LOAD	21/4		NOTE	
REV 10.	NOTE NO.	CRT#	LOAD DESCRIPTION	BRKR	AMP	A	LOAD K	C	3PH	CRT#	LOAD DESCRIPTION	BRKR P	AMP	A	LOAD K	C	3PH	NOTE NO.	
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		1	GP RECP ELEV MACH	1	20	0.18				2	LTG; BSMT NE OFFICES	1	20	1					
			SPARE	1	20					4	SPARE	1	20						
			ELEV PIT LTS / GF REC	1	20		7	0.33		6	LTG; BSMT SE OPEN OFFICE	1	20		7	1.9			
			GC REC. MEN/WOMEN	1	20	0.54		1		8	SPARE	1	20			1			_
			REC; STORAGE  MF MACHINES	1	20		0.72	1		10	SPARE LTG; 1ST SE OFFICES	1	20	-		1.6			4
			REC; OFFICES	+ +	20	1.08	1			12	LTG; 1ST NE OFFICES	1	20	1.4	1	1.0			-
			REC; STORAGE, LOBBY	<del>                                     </del>	20	1.00	0.72	1		16	LTG; 1ST NE OFFICES	1 1	20	1	1.2	1			$\forall$
			PLAT SCANNER	1	20	1		1.2		18	LTG; LL RESTROOM	1	20	1		1			
		19	FCU-J	1	20	1.08				20	SPARE	1	20						
		21	SPARE	1	20					22	SPARE	1	20						
			EF-3	1	20		7	0.07		24	SPARE	1 1	20		7				$\downarrow$
			ADA DOORS SPARE	1 1	20	1		1		26	SPARE SPARE	1 1	20			1			+
			SPARE	1	20					28 30	SPARE	1 1	20	1					+
			FCU-H	1	20	0.58	]			32	SPARE	1	20		]	<u> </u>			
			SPARE	1	20	5.00		]		34	SPARE	1	20			]			1
			SPARE	1	20					36	SPARE	1	20	1					
		37	SPARE	1	20					38	SPARE	1	20			_			
			SPARE	1	20					40	SPARE	1	20						_
		41	SPARE NEW	1	20					42	SPARE EDULE	1	L 20 CTION						
REV IO.	NOTE NO.	CRT#	LOAD DESCRIPTION	BRKR P	AMP	A	LOAD K	(VA	3PH	CRT#	LOAD DESCRIPTION	BRKR P	AMP	A	LOAD K	CVA	3PH	NOTE NO.	- 1
		43	REC - RM 120	1 1	20	0.54		1		<del>                                     </del>	SYSTEM FURNITURE	1	+	0.8		_			
					+														
		45	REC - RM 122	1	20		0.36	4.00		46	SYSTEM FURNITURE	1	20		8.0	0.0			4
		45 47	REC - RM 106, 107, 113, 123, 125, 128	1 1	20 20	0.0	<u>0.36</u> 	1.08		48	SYSTEM FURNITURE	1	20	0.0	0.8 	0.8			_
		45 47 49	REC - RM 106, 107, 113, 123, 125, 128 REC - RM 129, 131	1 1 1	20 20 20	0.9	]	1.08		48 50	SYSTEM FURNITURE SYSTEM FURNITURE	1 1	20 20	0.8	]	0.8			
		45 47 49 51	REC - RM 106, 107, 113, 123, 125, 128 REC - RM 129, 131 REC - RM 131, 135	1	20 20 20 20	0.9	0.36	]		48 50 52	SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE	1	20 20 20	0.8	0.8				
		45 47 49 51 53	REC - RM 106, 107, 113, 123, 125, 128 REC - RM 129, 131	1 1 1	20 20 20	0.9	]	0.18		48 50	SYSTEM FURNITURE SYSTEM FURNITURE	1 1 1	20 20	0.8	]	0.8			
		45 47 49 51 53 55 57	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138	1 1 1 1	20 20 20 20 20		]	]		48 50 52 54	SYSTEM FURNITURE	1 1 1 1	20 20 20 20		]				
		45 47 49 51 53 55 57 59	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138  REC - RM 105, 133	1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20	0.72	0.72	]		48 50 52 54 56 58 60	SYSTEM FURNITURE	1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20	0.8	0.8				
		45 47 49 51 53 55 57 59 61	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138  REC - RM 105, 133  ELEV LOBBY - EDP	1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20		0.72	0.18		48 50 52 54 56 58 60 62	SYSTEM FURNITURE	1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20		0.8	0.8			
		45 47 49 51 53 55 57 59 61 63	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138  REC - RM 105, 133  ELEV LOBBY - EDP  SYSTEM FURNITURE	1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20	0.72	0.72	0.18		48 50 52 54 56 58 60 62 64	SYSTEM FURNITURE	1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138  REC - RM 105, 133  ELEV LOBBY - EDP	1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20	0.72	0.72	0.18		48 50 52 54 56 58 60 62	SYSTEM FURNITURE	1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138  REC - RM 105, 133  ELEV LOBBY - EDP  SYSTEM FURNITURE  SYSTEM FURNITURE	1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20	0.72	0.72	0.18		48 50 52 54 56 58 60 62 64 66	SYSTEM FURNITURE	1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67 69	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138  REC - RM 105, 133  ELEV LOBBY - EDP  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  REC; RETAIL 120	1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72	0.72	0.18		48 50 52 54 56 58 60 62 64 66 68 70 72	SYSTEM FURNITURE	1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67 69 71	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138  REC - RM 105, 133  ELEV LOBBY - EDP  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  REC; RETAIL 120  REC; RETAIL 119	1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72	0.72	0.18		48 50 52 54 56 58 60 62 64 66 68 70 72 74	SYSTEM FURNITURE	1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138  REC - RM 105, 133  ELEV LOBBY - EDP  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  REC; RETAIL 120  REC; RETAIL 119  PROVISION	1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72	0.72	0.18		48 50 52 54 56 58 60 62 64 66 68 70 72 74 76	SYSTEM FURNITURE FCU RM 103,120,122	1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138  REC - RM 105, 133  ELEV LOBBY - EDP  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  REC; RETAIL 120  REC; RETAIL 119  PROVISION	1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72	0.72	0.18		48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78	SYSTEM FURNITURE FOU RM 103,120,122 FCU RM 125,128	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138  REC - RM 105, 133  ELEV LOBBY - EDP  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  REC; RETAIL 120  REC; RETAIL 119  PROVISION  PROVISION	1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72	0.72	0.18		48 50 52 54 56 58 60 62 64 66 68 70 72 74 76	SYSTEM FURNITURE FCU RM 103,120,122 FCU RM 105,128 FCU RM 106, 107, 129, 131, 130	1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138  REC - RM 105, 133  ELEV LOBBY - EDP  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  REC; RETAIL 120  REC; RETAIL 119  PROVISION	1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72	0.72	0.18		48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80	SYSTEM FURNITURE FOU RM 103,120,122 FCU RM 125,128	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138  REC - RM 105, 133  ELEV LOBBY - EDP  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  REC; RETAIL 120  REC; RETAIL 119  PROVISION  PROVISION  PROVISION	1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72	0.72	0.18		48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 103,120,122 FCU RM 105,128 FCU RM 106, 107, 129, 131, 130 FCU RM 105,135,133,138	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8	0.8	0.8			
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138  REC - RM 105, 133  ELEV LOBBY - EDP  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  REC; RETAIL 120  REC; RETAIL 119  PROVISION  PROVISION  PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72	0.72	0.18	0	48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 103,120,122 FCU RM 105,128 FCU RM 106, 107, 129, 131, 130 FCU RM 105,135,133,138	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.8 0.8	0.8 0.8 0.8 0.8 0.74	0.8 0.8 0.8 0.8 0.28	0.0		
	NOTES	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138  REC - RM 105, 133  ELEV LOBBY - EDP  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  REC; RETAIL 120  REC; RETAIL 119  PROVISION  PROVISION  PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72	0.72	0.18	0	48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 103,120,122 FCU RM 105,135,133,138 SPARE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.8 0.8 0.8 0.82 8.02 8.36	0.8 0.8 0.8 0.8 0.74 0.51	0.8 0.8 0.8 0.8 0.28	0.0		
	NOTES 1	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 133  REC - RM 138  REC - RM 105, 133  ELEV LOBBY - EDP  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  REC; RETAIL 120  REC; RETAIL 119  PROVISION  PROVISION  PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72	0.72	0.18	0	48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 103,120,122 FCU RM 105,128 FCU RM 105,135,133,138 SPARE  KVA /	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.8 0.8 0.82 8.02 8.36 16.38	0.8 0.8 0.8 0.8 0.74 0.51 6.45 4.48 10.93	0.8 0.8 0.8 0.8 0.8 0.28			
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83	REC - RM 106, 107, 113, 123, 125, 128 REC - RM 129, 131 REC - RM 131, 135 REC - RM 130 REC - RM 133 REC - RM 138 REC - RM 105, 133 ELEV LOBBY - EDP SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE REC; RETAIL 120 REC; RETAIL 119 PROVISION PROVISION PROVISION PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72	0.72	0.18	0	48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 103,120,122 FCU RM 105,128 FCU RM 105,135,133,138 SPARE  KVA /	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.8 0.8 0.82 8.02 8.36 16.38	0.8 0.8 0.8 0.8 0.74 0.51 6.45 4.48 10.93	0.8 0.8 0.8 0.8 0.28	0.0		
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83	REC - RM 106, 107, 113, 123, 125, 128 REC - RM 129, 131 REC - RM 131, 135 REC - RM 130 REC - RM 133 REC - RM 138 REC - RM 105, 133 ELEV LOBBY - EDP SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE REC; RETAIL 120 REC; RETAIL 119 PROVISION PROVISION PROVISION PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72	0.72	0.18	0	48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 103,120,122 FCU RM 105,128 FCU RM 105,135,133,138 SPARE  KVA /	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.8 0.8 0.82 8.02 8.36 16.38	0.8 0.8 0.8 0.8 0.74 0.51 4.48 10.93 91.1	0.8 0.8 0.8 0.8 0.8 0.28	0.0		
		45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83	REC - RM 106, 107, 113, 123, 125, 128 REC - RM 129, 131 REC - RM 131, 135 REC - RM 130 REC - RM 133 REC - RM 138 REC - RM 105, 133 ELEV LOBBY - EDP SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE REC; RETAIL 120 REC; RETAIL 119 PROVISION PROVISION PROVISION PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72	0.72	0.18	0	48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 103,120,122 FCU RM 105,128 FCU RM 106, 107, 129, 131, 130 FCU RM 105,135,133,138 SPARE  KVA / AMP /  TOTAL CON	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.8 0.8 0.82 8.02 8.36 16.38	0.8 0.8 0.8 0.8 0.74 0.51 6.45 4.48 10.93 91.1 41.83 116.11	0.8 0.8 0.8 0.8 0.8 0.28 0.28 14.52 121.0 KVA	0.0		
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	1 REV:	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83	REC - RM 106, 107, 113, 123, 125, 128 REC - RM 129, 131 REC - RM 131, 135 REC - RM 130 REC - RM 133 REC - RM 138 REC - RM 105, 133 ELEV LOBBY - EDP SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE REC; RETAIL 120 REC; RETAIL 119 PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 70 20	0.72	0.72	0.18	0	48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 103,120,122 FCU RM 105,135,133,138 FCU RM 105,135,133,138 SPARE  KVA / AMP /  TOTAL CONNEC LIGHTS @ RECEPTACLES @ RECEPTACLES @	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.8 0.8 0.82 8.02 8.36 16.38 136.5	0.8 0.8 0.8 0.8 0.8 0.74 0.51 6.45 4.48 10.93 91.1 41.83 116.11 10.10 9.33 0.00 0.00	0.8 0.8 0.8 0.8 0.8 0.28 0.28 0.28 5.74 14.52 121.0 KVA AMPS KVA KVA KVA KVA KVA	0.0		
	1 REV:	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83	REC - RM 106, 107, 113, 123, 125, 128 REC - RM 129, 131 REC - RM 131, 135 REC - RM 130 REC - RM 133 REC - RM 138 REC - RM 105, 133 ELEV LOBBY - EDP SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE SYSTEM FURNITURE REC; RETAIL 120 REC; RETAIL 119 PROVISION PROVISION PROVISION PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72 0.6 0.8 0.34	0.72	0.18	0	48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 103,120,122 FCU RM 105,135,133,138 FCU RM 105,135,133,138 SPARE  KVA / AMP /  TOTAL CONNEC LIGHTS @ RECEPTACLES @ RECEPTACLES @ LARGEST MOTOR LOAD @ CONTINUOUS LOAD @	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.8 0.8 0.82 8.02 8.36 16.38 136.5	0.8 0.8 0.8 0.8 0.8 0.74 0.51 6.45 4.48 10.93 91.1 41.83 116.11 10.00 9.33 0.00 0.00 5.08	0.8 0.8 0.8 0.8 0.8 0.28 0.28 0.28 5.74 14.52 121.0 KVA AMPS KVA KVA KVA KVA KVA	0.0		
	1 REV:	45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83	REC - RM 106, 107, 113, 123, 125, 128  REC - RM 129, 131  REC - RM 131, 135  REC - RM 130  REC - RM 138  REC - RM 105, 133  ELEV LOBBY - EDP  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  SYSTEM FURNITURE  REC; RETAIL 120  REC; RETAIL 119  PROVISION  PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.72 0.6 0.8 0.34	0.72	0.18	0	48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SYSTEM FURNITURE FCU RM 103,120,122 FCU RM 105,135,133,138 FCU RM 105,135,133,138 SPARE  KVA / AMP /  TOTAL CONNEC LIGHTS @ RECEPTACLES @ LARGEST MOTOR LOAD @ CONTINUOUS LOAD © OTHER AND NON-CONTINUOUS LOADS @	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	0.8 0.8 0.8 0.8 0.82 8.02 8.36 16.38 136.5	0.8 0.8 0.8 0.8 0.8 0.74 0.51 0.51 4.48 10.93 91.1 41.83 116.11 10.00 9.33 0.00 0.00 5.08 34.53	0.8 0.8 0.8 0.8 0.8 0.28 0.28 0.28 5.74 14.52 121.0 KVA KVA KVA KVA KVA KVA KVA KVA	0.0		



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# ORIC TRUMAN COURTHOUS INTERIOR RENOVATION

### ISSUED FOR CONSTRUCTION

PROJECT NO.	
DATE	10-19-2012
DRAWN BY	JDB/SMP
CHECKED BY	DWE
CHECKED BY	LDR
REVISED DATE	DESCRIPTION
SHEET TITLE	& NUMBER

ELECTRICAL SCHEDULES

COPYRIGHT © 2012 PIPER-WIND ARCHITECTS, INC.



	AMP I	FRAME:	200 AMP			PAN	ELBO	ARD			EDULE						65000 A ELECT 0		
REV	NOTE		LOAD	TREKE				١/٨			LOAD	BRKR			LOAD K	١/٨		NOTE	REV
- 1	NO.			P	AMP	A	B	C	3PH	CRT#	DESCRIPTION	P	AMP	Α	B	C	3PH		NO.
				1	20	1.08					LTG; WEST STORAGE	1	20	0.46					
				1	20	1	0.9				LTG; 2ND FL RESTROOMS	1	20		0.65				
				<del></del>	_			1.08			LTG; 2ND FL SE OFFICES	1	20		, [	1.7			
				+		0.72					LTG; 2ND FL OFFICES	1	20	1.1					
				+		4	0.72	0.00			LTG; GALLERY 229 TRACK	1	20		1.5				
				+	_	0.70		0.36			LTG; GALLERY 235 TRACK	1	20	4.5	, l	0.9			
				<del>+ '</del>		0.72	0.70				LTG; GALLERY 238 TRACK LTG; GALLERY 239 TRACK		20 20	1.5	0.9				
				+	_	1	0.72	1			LTG; GALLERY 240 TRACK	+	20		0.9	0.9			
				+ +	-	0.98					LTG; GALLERY 215 TRACK	1	20	1.5	l l	0.9			
				+ †		0.00	0.68				LTG; GALLERY 234 TRACK	1	20	1.0	1				
				1 1		1	0.00	0.58			FCUH-G	1	20		·	0.5			
				1		0.61					SPARE	1	20		'				
				1	20		0.52				SPARE	1	20						
				1	20	1		1.5			SPARE	1	20						
		31	REC; RM 223	1	20	0.18				32	SPARE	1	20		•				
		33	REC; RM 223, 228, 229B	1	20		0.75			34	SPARE	1	20						
		35	CU-1/FC-1	2	20			1.25		36	SPARE	1	20						
		37				1.25				38	SPARE	1	20						
		39	DWH-4	2	15		1				SPARE	1	20						
		41						1			SPARE	1	20						
			NEW			PAN	ELBOA	٩RD	PAW	SCH	EDULE	SEC	MOITS	12					
REV	NOTE	SERVICE: 208/120 VOLT, 3 - PHASE, 4 - WIRE AMP FRAME: 200 AMP MAINS MOST / 200 AMP MAIN BREAKER  OTE LOAD BRIKR LOAD KVA  DIE LOAD BRIKR LOAD KVA  THE LOAD SPENCH PROVIDED AMP AND A B C SPENCH PROVIDED AMPHAIN BREAKER  OTE LOAD BRIKR LOAD KVA  THE C-FM 229, 2298, 2290, 234, 236, 238 1 20 1.08 0.9 1.08 1.08 1.08 1.08 1.08 1.08 1.08 1.08			MOU	NTING:	SURFACE LOAD	BRKR		Γ		ATION:	65000 A ELECT ( 0		REV				
- 1	NO.					Δ			3PH	CRT#	DESCRIPTION	P	AMP	A	В	С	3PH		NO.
10.	110.	OIII #	DECOME HON	+ :	7 (141)	<del>                                     </del>			0.11	OIIII	BESONII HOW	'	7 41411				GIII	110.	110.
		43	REC - ROOM 308, ROOF	1	20	0.72				44	BATTERY CHARGER	1	20	0.5	'				
			•	1	20		0.72				BLOCK HEATER	1	20		1.5				
		47	DWH-3	2	50	1		4.15		48	SPARE	1	20						
		49				4.15				50	SPARE	1	20		_				
		51	SPARE	1	20					52	SPARE	1	20						
		53	SPARE	1	20					54	SPARE	1	20						
		55	SPARE	1	20						SPARE	1	20						
				1							SPARE	1	20						
				+	-						SPARE	1	20		, [				
				+							SPARE	1	20						
				+-:-	+	4					SPARE	1	20						
				+ 1	20		ı				SPARE	1	20		l				
				+						68 70	PROVISION PROVISION				1				
				+		1					PROVISION								
				+			l				PROVISION				l				
				+							PROVISION								
				+		1					PROVISION								
											PROVISION								
											PROVISION								
		83	PROVISION			1				84	PROVISION								
	NOTES:			7	TOTAL:	10.41	6.01	10.92	0		KVA / F AMP / F	PHASE T		5.06 10.41 15.47 128.9	5.55 6.01 11.56 96.3	4 10.92 14.92 124.3	0.0 0.0 0.0		
	REV: GENERAL A	CONTRAC	CTO R TO REFERENCE BRANCH CIRCUIT COPPER CON SIZING CHART FOR SIZING OF BRANCH CIRCUITS AN			OR BELO	W 100 AMP	S			TOTAL CONN TOTAL CONNECT LIGHTS @ RECEPTACLES @ RECEPTACLES @ LARGEST MOTOR LOAD @ CONTINUOUS LOAD @ OTHER AND NON-CONTINUOUS LOADS @ TOTAL DE	ED CUR	RENT: 125%: 100%: 50% 125%: 125%: 100%: LOAD:			KVA KVA KVA KVA			
											TOTAL DEMAN				133.68				

			NEW			PAN	ELBO/	AHD	PAE	SCH	EDULE								
			208/120 VOLT , 3 - PHASE , 4 - WIRE 200 AMP														65000 A ELECT 0		
			MCB / 200 AMP MAIN BREAKER						MOL	JNTING:	SURFACE				LOC	ATION.	0	710	
REV N	OTE	l	LOAD	BRKR	1		LOAD K	Λ/Δ		Τ	LOAD	BRKR			LOAD K	Λ/Δ		NOTE	TE
	10.		DESCRIPTION	Р	AMP	Α	В	С	3PH	CRT#	DESCRIPTION	Р	AMP	Α	В	С	3PH	NO.	j
		1	REC; RM 201, 211, 252	1	20	0.9				2	LTG; EAST STORAGE	1	20	0.46					+
			REC; RM 252	1	20	0.9	0.54	1		4	LTG: RESTROOMSS	1	20	0.46	1.5	1			+
			REC; RM 202, 250, 251, 252	1	20		0.01	0.9		6	LTG; NE OFFICESS	<del>     </del>	20	1	1.0	1			+
			REC - EDF	1	20	0.6	1			8	LTG; SE OFFICES	1	20	1.5	1	<u> </u>			$\top$
			REC - RM 248, 249	1	20		0.72	]		10	LTG; RM 245	1	20		1.2	]			$\dagger$
		11	REC - RM 247, 248	1	20	1		0.54		12	REC; RM 247	1	20	1		0.54			
			REC - RM 245, 246	1	20	0.72				14	REC; RM 245	1	20	0.54					
			REC; GENERAL PURPOSE	1	20		0.72			16	REC; RM 245	1	20		0.54				$\perp$
			FLOOR BOX - RM 245	1	20		7	0.36		18	LTG; RM 243, 244	1	20		1	0.5			_
			FLOOR BOX - RM 245	1	20	0.36		1		20	FCUH-G	1	20	0.5		1			+
			FLOOR BOX - RM 243	1	20	-	0.18			22	SPARE	1	20	4					+
			UC REFRIGERATOR - RM 244 UC REFRIGERATOR - RM 244	1 1	20	0.8	7	0.6		24 26	SPARE SPARE	1	20		1				+
			GF REC - RM 244	1	20	0.6	0.36	1		28	SPARE	1	20			1			+
_			FCU RM 252	1	20	1	L 0.00	0.86		30	SPARE	1	20	1					+
			FCU RM 246,247,248	1	20	0.4	1			32	SPARE	1	20						+
			FCU RM 243,245	1	20		0.6	]		34	SPARE	1	20			]			$\top$
			FCU RM 217	1	20	1		0.48		36	SPARE	1	20	1					$\top$
		37	FSD 1ST/2ND FLOOR	1	20	0.25	]			38	SPARE	1	20		]				T
		39	DWH-5	2	30		2			40	SPARE	1	20						
		41						2		42	SPARE	1	20						
	CI	EDV//CE	NEW			PAN	ELBO	ARD	PAE	SCHI	EDULE	SEC	OTION	12	Б	ATINIO.	65000 A	10	
	SI		208/120 VOLT , 3 - PHASE , 4 - WIRE														65000 A		
		AIVIP:	200 AMP						MOI	INITINIO.	SURFACE				LOC	AHON:	ELECT (	אוע	
REV N	IOTE	I	LOAD	BRKR	ı	1	LOAD K	3/Δ	MOC	T TING:	LOAD	BRKR	1		LOAD K	٦/٨		NOTE	TF
	10.	CRT#	DESCRIPTION	P	AMP	A	B ECAD F	C	3PH	CRT#	DESCRIPTION	P		A	B	C	3PH	NO.	
110.	10.	OIII#	DECOMIN HON	'	7 ((V))	<del>                                     </del>	-		0111	OIII#	BEGGIII HOIV	'	7 (IVII				0111	110.	+
		43	REC - RM 302, ROOF	1	20	0.72				44	SPARE	1	20			I			+
			EF-2	1	20		0.35	]		46	SPARE	1	20			]			$\top$
		45										1 '							$\top$
			REC RM 243,245	1	20			0.75		48	SPARE	1	20						
		47	REC RM 243,245 REC PODIUM			0.5		0.75		48 50	SPARE	1	20 20						
		47 49 51	REC PODIUM PORTABLE LTS RM 245	1	20	0.5	1.5	0.75		+	SPARE SPARE	1 1	20 20						
		47 49 51 53	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245	1 1 1	20 20 20 20		1.5	0.75		50 52 54	SPARE SPARE SPARE	1	20 20 20	-					
		47 49 51 53 55	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245	1 1 1 1 1	20 20 20 20 20 20	0.5	]			50 52 54 56	SPARE SPARE SPARE SPARE	1 1 1 1	20 20 20 20						
		47 49 51 53 55 57	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR	1 1 1 1 1 1	20 20 20 20 20 20 20		1.5	1.5		50 52 54 56 58	SPARE SPARE SPARE SPARE SPARE SPARE	1 1 1 1 1	20 20 20 20 20						
		47 49 51 53 55 57 59	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC	1 1 1 1 1 1	20 20 20 20 20 20 20 20	1.5	]			50 52 54 56 58 60	SPARE SPARE SPARE SPARE SPARE SPARE SPARE	1 1 1 1 1 1 1	20 20 20 20 20 20 20						
		47 49 51 53 55 57 59 61	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE	1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20		]	1.5		50 52 54 56 58 60 62	SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	1 1 1 1 1	20 20 20 20 20 20 20 20						
		47 49 51 53 55 57 59 61 63	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE	1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20	1.5	]	1.5		50 52 54 56 58 60 62 64	SPARE	1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20						
		47 49 51 53 55 57 59 61 63 65	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE	1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20	1.5	]	1.5		50 52 54 56 58 60 62 64 66	SPARE	1 1 1 1 1 1 1	20 20 20 20 20 20 20 20						
		47 49 51 53 55 57 59 61 63 65	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE	1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20	1.5	]	1.5		50 52 54 56 58 60 62 64	SPARE PROVISION	1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20	-					
		47 49 51 53 55 57 59 61 63 65	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE	1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20	1.5	]	1.5		50 52 54 56 58 60 62 64 66 68	SPARE	1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20						
		47 49 51 53 55 57 59 61 63 65 67 69	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE	1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	1.5	]	1.5		50 52 54 56 58 60 62 64 66 68	SPARE PROVISION PROVISION	1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20						
		47 49 51 53 55 57 59 61 63 65 67 69 71	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	1.5	]	1.5		50 52 54 56 58 60 62 64 66 68 70	SPARE PROVISION PROVISION PROVISION	1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20						
		47 49 51 53 55 57 59 61 63 65 67 69 71 73	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION	1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	1.5	]	1.5		50 52 54 56 58 60 62 64 66 68 70 72	SPARE PROVISION PROVISION PROVISION PROVISION	1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20						
		47 49 51 53 55 57 59 61 63 65 67 69 71 73 75	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	1.5	]	1.5		50 52 54 56 58 60 62 64 66 68 70 72 74	SPARE PROVISION	1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20						
		47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	1.5	]	1.5	3.5	50 52 54 56 58 60 62 64 66 68 70 72 74 76	SPARE PROVISION	1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20						
		47 49 51 53 55 57 59 61 63 65 67 69 71 73 75	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	1.5	]	1.5	3.5	50 52 54 56 58 60 62 64 66 68 70 72 74 76 78	SPARE PROVISION	1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20						
		47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20	1.5	0.5	0.5		50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SPARE PROVISION	1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20						
		47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20 2	1.5	]	1.5	3.5	50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SPARE PROVISION	1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20	3	3.24	2.04	0.0		
		47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20	1.5	0.5	0.5		50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SPARE PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20	8.25	7.47	8.49	3.5		
N	NOTES:	47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20	1.5	0.5	0.5		50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SPARE PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 TOTAL:	8.25 11.25	7.47 10.71	8.49 10.53			
N	NOTES:	47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20	1.5	0.5	0.5		50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SPARE PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 TOTAL:	8.25 11.25	7.47	8.49	3.5		
N	JOTES:	47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20	1.5	0.5	0.5		50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SPARE PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 70 70 70 70 70 70 70 70 70 70 70 70 70	8.25 11.25	7.47 10.71 92.5	8.49 10.53 91.0	3.5		
N	NOTES:	47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20	1.5	0.5	0.5		50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SPARE PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 7 20 20 20 20 20 20 20 20 20 20 20 20 20	8.25 11.25	7.47 10.71 92.5 35.99	8.49 10.53	3.5		
N	NOTES:	47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20	1.5	0.5	0.5		50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SPARE PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 7 20 20 20 20 20 20 20 20 20 20 20 20 20	8.25 11.25 97.0	7.47 10.71 92.5 35.99	8.49 10.53 91.0 KVA AMPS	3.5		
	NOTES:	47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20	1.5	0.5	0.5		50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SPARE PROVISION	TONNECTED CUPITS @	20 20 20 20 20 20 20 20 20 70 70 70 70 70 70 70 70 70 70 70 70 70	8.25 11.25 97.0	7.47 10.71 92.5 35.99 99.90 9.58	8.49 10.53 91.0 KVA AMPS KVA	3.5		
		47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20	1.5	0.5	0.5		50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SPARE PROVISION	TONNECTED INECTED CUP	20 20 20 20 20 20 20 20 20 20 TOTAL: TOTAL: TOTAL: TOTAL: 125%:	8.25 11.25 97.0	7.47 10.71 92.5 35.99 99.90 9.58	8.49 10.53 91.0 KVA AMPS KVA KVA	3.5		
		47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20	1.5	0.5	0.5		50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SPARE PROVISION	I 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 TOTAL: TOTAL: TOTAL: 125%: 100%:	8.25 11.25 97.0	7.47 10.71 92.5 35.99 99.90 9.58 10.00	8.49 10.53 91.0 KVA AMPS KVA KVA	3.5		
R	REV:	47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 20 20	1.5	0.5	0.5		50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SPARE PROVISION LIGH RECEPTACL RECEPTACL LARGEST MOTOR LOG	TONNECTED CUPITS @ ES @ AD	20 20 20 20 20 20 20 20 20 20 20 20 20 2	8.25 11.25 97.0	7.47 10.71 92.5 35.99 99.90 9.58 10.00 3.20 0.00 0.31	8.49 10.53 91.0 KVA AMPS KVA KVA KVA KVA	3.5		
R	REV: GENERAL	47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 81 83	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION	1 1 1 1 1 1 1 1 1 1 1 1 1 3	20 20 20 20 20 20 20 20 20 20 20 75 75 75 75 75 75 75 75 75 75 75 75 75	1.5	0.5	0.5		50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SPARE PROVISION LIGH RECEPTACL LARGEST MOTOR LOAD CONTINUOUS LOAD OTHER AND NON-CONTINUOUS LOAD	TONNECTED CUPITS @ ES @ AD @ AD @ DS @	20 20 20 20 20 20 20 20 20 20 20 20 20 2	8.25 11.25 97.0	7.47 10.71 92.5 35.99 99.90 9.58 10.00 3.20 0.00 0.31 7.69	8.49 10.53 91.0 KVA AMPS KVA KVA KVA KVA	3.5		
R	REV: GENERAL	47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION ERV-1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 75 75 75 75 75 75 75 75 75 75 75 75 75	1.5	7.47	0.5		50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SPARE PROVISION LIGH RECEPTACL LARGEST MOTOR LOAD CONTINUOUS LOAD OTHER AND NON-CONTINUOUS LOAD	TAL DEMAND	20 20 20 20 20 20 20 20 20 20 20 20 20 2	8.25 11.25 97.0	7.47 10.71 92.5 35.99 99.90 9.58 10.00 3.20 0.00 0.31 7.69 35.77	8.49 10.53 91.0 KVA AMPS KVA KVA KVA KVA KVA	3.5		
R	REV: GENERAL	47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83	REC PODIUM PORTABLE LTS RM 245 PORTABLE LTS RM 245 PORTABLE LTS RM 245 MAG LOCKS 2ND FLOOR MAG LOCKS ATTIC LTG, RM 245 PORTABLE SPARE SPARE SPARE SPARE SPARE PROVISION PROVISION ERV-1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20 75 75 75 75 75 75 75 75 75 75 75 75 75	1.5	7.47	0.5		50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82	SPARE PROVISION OTHER AND NON-CONTINUOUS LOAD	TONNECTED CUPITS @ ES @ AD @ AD @ DS @	20 20 20 20 20 20 20 20 20 20 20 20 20 2	8.25 11.25 97.0	7.47 10.71 92.5 35.99 99.90 9.58 10.00 3.20 0.00 0.31 7.69 35.77	8.49 10.53 91.0 KVA AMPS KVA KVA KVA KVA KVA KVA KVA KVA	3.5		

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

FAX. (816) 221-1429

**ISSUED FOR** CONSTRUCTION

PROJECT NO.	
DATE	10-19-201
DRAWN BY	JDB/SM
CHECKED BY	DW
CHECKED BY	LD
REVISED DATE	DESCRIPTION
<u> </u>	
<u> </u>	
<u> </u>	
SHEET TITLE	& NUMBER

ELECTRICAL SCHEDULES

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E-501

Consulting Engineers, Inc 1730 Walnut Street
Kansas City, Missouri 64108

Phone: 816.221.1411 | Fax: 816.221.1429

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L+a Project No. 4048

			NEW			SWI	ГСНВО	DARD	MDF	SCI	HEDULE								
			208/120 VOLT , 3 - PHASE , 4 - WIRE														65000 A		
,			1200 AMP MCB / 1200 AMP MAIN BREAKER						MOL	NTING:	SURFACE				LOC		ELECT (	שוע	
	·		1765 / 1266 / 177 177 177 177 177 177 177 177 177 1								55.117.162				PROVID		TEGRAL T	TVSS	
	DTE		LOAD	BRKR			LOAD K	(VA			LOAD	BRKR			LOAD K			NOTE	1
). NC	D.	CRT#	DESCRIPTION	Р	AMP	Α	В	С	3PH	CRT#	DESCRIPTION	P	AMP	Α	В	С	3PH	NO.	NO.
		4		_	-		-		-				-						
		3	ACC-1	3	60		+	1	15.12	2	ACC-2	3	60				15.12		
		5	700-1		00				10.12	6	700-2	"	00				10.12		
		7					7			8					] '				
		9	PANEL PLW	3	200				51.07	10	PANEL PLE	3	200				34.53		
		11					7			12			-		,				
		13 15	PANEL PAW	3	200		1	1	45.75	14 16	PANEL PAE	3	200				35.77		
		17	PANEL PAW	3	200				45.75	18	PANEL PAE	3	200				35.77		
		19					7			20					] '				
			HWP-1	3	35				3.96	22	HWP-2	3	35				3.96		
		23								24					,				
		25	CWD 1				-	1		26	CIMP 0						6.0		
		27 29	CWP-1	3	50				6.3	28 30	CWP-2	3	50				6.3		
		31	1	+	1		7			32	<u> </u>		+		] '				
			CH-1	3	600			]	131.6	34	BOILER B-1	3	20				3		
		35								36									
		37						1		38									
	1		PANEL EP	3	200				-	40	JOCKEY PUMP	3	35				6.3		
		41 43					T		+	42 44									
			DWH-1	3	35			]	9	46	SPARE	3	20						
		47					_			48									
		49						_		50									
			PROVISION	3						52	PROVISION	3							
		53					٦		1	54					,				
		55 57	PROVISION	3			-	1		56 58	PROVISION	3							
		59	THOVISION						1	60	THOUGION								
ı	I				1							-							
					TOTAL:	0	0	0	262.7975				TOTAL:	0	0	0	105.0		
NC	TEC.										12//4	י חווא פר	TOTAL .	0	0	0	262.8		
NC	OTES:	PROVID	DE SHUNT-TRIP TYPE BREAKER AND INTERLO	OCK WITH	Η FIRE Δ	J ARM S	YSTEM					PHASE TO PHASE TO THE PHASE TO		0 340.3	0 340.3	0 340.3	367.8		
	•	THOTE	SE GHOW THE PHE BILD WELL, WAS INVENED	on will			TOTEN.				, wii ,	111/102	TO IT IL.	010.0	0 10.0	010.0			
											TOTAL CONI				367.78				
											TOTAL CONNEC				1020.86				
RE	5\ /·										LIGHTS @ RECEPTACLES @		125%:		0.00	KVA KVA			
ne.	. ٧.										RECEPTACLES @		100%: 50%		0.00	KVA			
											LARGEST MOTOR LOAD @		125%:		15.75	KVA			
GE1	NERAL	NOTES:									CONTINUOUS LOAD @		125%:		0.00	KVA			
			CTO R TO REFERENCE BRANCH CIRCUIT COPPER CO								OTHER AND NON-CONTINUOUS LOADS @		100%:		352.18				
		CONDUIT	SIZING CHART FOR SIZING OF BRANCH CIRCUITS A	ND OR FEE	EDERS AT	OR BELC	)W 100 AMF	PS			TOTAL D				367.93				
											TOTAL DEMAI	OWER FA			1075.1	% PF AMPS			
											TOTAL DEMAI	אט טטע	uuLIVI.	L	1070.1	VIAIL O			

	AMP	FRAME:	NEW 208/120 VOLT , 3 - PHASE , 4 - WIRE 200 AMP MCB / 200 AMP MAIN BREAKER			PAN	ELBO	ARD	EP S		DULE						65000 A ELECT (		
REV	NOTE		LOAD	BRKR		LOAD KVA					LOAD	BRKR		LOAD KVA			NOT		REV
	NO.	CRT#	DESCRIPTION	Р	AMP	Α	В	С	3PH	CRT#	DESCRIPTION	Р	AMP	Α	В	С	3PH	NO.	NO.
		1	REC; TEL ROM	1	20	0.36		,		2	FIRST FLOOR MAG LOCKS	1	20	0.5					
		3	REC; TEL ROM	1	20		0.36			4	SECOND FLOOR MAG LOCKS	1	20		0.5				
		5	REC; TEL ROM	1	20			0.36		6	DUPLEX SUMP PUMP	1	30		, [	2.35			
		7	CONTACTOR (MAG LOCKS)	1	20	0.2		,		8	FUTURE LOAD	1	20	1					
	2	9	ELEV. CAB LIGHTS	1	20		0.25			10	FUTURE LOAD	1	20		1				
		11	BASEMENT LIGHTS	1	20			0.8		12	FUTURE LOAD	1	20		_	1			
		13	BASEMENT LIGHTS	1	20	0.8		,		14	FACP	1	20	0.5	<u> </u>			2	$\perp$
		15	FIRST FLOOR LIGHTS	1	20		1			16	SPARE	1	20						
		17	FIRST FLOOR LIGHTS	1	20			0.7		18	SPARE	1	20		, [				
		19	FIRST FLOOR LIGHTS	1	20	0.6		_		20	SPARE	1	20						
		21	SECOND FLOOR LIGHTS	1	20		0.8			22	SPARE	1	20						
		23	SECOND FLOOR LIGHTS	1	20		_	0.8		24	SPARE	1	20						
		25	DATA RACK	1	20	0.5		_		26	SPARE	1	20						
		27	DATA RACK	1	20		0.5			28	SPARE	1	20						
		29	SPARE	1	20					30	SPARE	1	20						
		31	PROVISION							32	PROVISION				-				
		33	PROVISION							34	PROVISION								
		35	PROVISION							36	PROVISION								
		37					]			38	PROVISION				]				
	1	39	ELEVATOR MACHINE	3	125				33.1	40	PROVISION								
		41								42	PROVISION								
					TOTAL:	2.46	2.91	2.66	33.1	J			TOTAL:		1.5	3.35	0.0		
														2.46	2.91	2.66	33.1		
NOTES:									•		TOTAL:		4.41	6.01	33.1				
			DE SHUNT-TRIP TYPE BREAKER AND INTERLO	OCK WITH	IFIREA	LAHM SY	STEM.				AMP / F	PHASE	IOTAL:	67.8	67.4	80.7			
	2	PROVIL	DE TRIP-FREE BREAKER HANDLE LOCK.								TOTAL CONIN	COTCD	LOAD		47.00	10.74			
											TOTAL CONN				47.98				
											TOTAL CONNECT				133.18				
	DEV.										LIGHTS @				7.19				
	REV:										RECEPTACLES @		100%:			KVA			
											RECEPTACLES @		50%			KVA			
											LARGEST MOTOR LOAD @		125%:			KVA			
	GENERA										CONTINUOUS LOADS		125%:			KVA			
	Α		CTO R TO REFERENCE BRANCH CIRCUIT COPPER CO								OTHER AND NON-CONTINUOUS LOADS @		100%:		0.00				
		CONDUIT	T SIZING CHART FOR SIZING OF BRANCH CIRCUITS A	ND OR FEE	DERS AT	OR BELO	W 100 AMF	28			TOTAL DI				14.34				
												WER FA				% PF			
											TOTAL DEMAN	D CUR	RENT:		41.91	AMPS			

### GENERAL NOTES (TYPICAL ALL SHEETS)

- A. REFER TO ARCHITECTS REFLECTED CEILING PLANS FOR EXACT PLACEMENT OF LIGHT FIXTURES, SPEAKER AND F.A. DEVICES IN THE CEILING SYSTEM.
- B. PROVIDE UPDATED, TYPEWRITTEN PANELBOARD DIRECTORY FOR EACH PANELBOARD WHICH CIRCUITS HAVE BEEN ADDED TO OR MODIFIED.
- C. CONTRACTOR TO REFERENCE BRANCH CIRCUIT COPPER CONDUCTOR AND CONDUIT SIZING CHART FOR SIZING OF BRANCH CIRCUITS AND OR FEEDERS AT OR BELOW 100AMPS.
- D. SUPPORT ALL LIGHT FIXTURES WITH A MINIMUM OF (4) 12 GA. HANGER WIRES TO STRUCTURE
- ABOVE.
- E. CONNECT EXIT AND EMERGENCY LIGHTS TO HOT LEG, NOT SWITCH LEG.
- F. REPAIR AND/OR REPLACE ANY DAMAGED CEILING TILE OR GRID DUE TO INSTALLATION OF CONDUITS, ETC. ABOVE EXISTING CEILING. WALK BUILDING WITH ARCHITECT PRIOR TO COMMENCING WORK TO NOTE ANY EXISTING DAMAGED CEILING TILE OR GRID.
- G. LOCATE ALL IN SLAB REBAR PRIOR TO CORE DRILLING AND SHALL ADJUST CORE LOCATIONS AS TO AVOID REBAR. PROVIDE MINIMUM SPACING BETWEEN CORE DRILL LOCATIONS AS REQUIRED BY POKE THROUGH DEVICE UL LISTING. ALL CORE DRILLING AND WORK DONE BELOW FLOOR SHALL BE DONE AFTER HOURS.
- H. COORDINATE INSTALLATION REQUIREMENTS AND SCHEDULING OF ALL SYSTEM FURNITURE WITH FURNITURE INSTALLER.
- I. DISCONNECTS FOR MECHANICAL EQUIPMENT ARE PROVIDED WITH EQUIPMENT. UNLESS NOTED OTHERWISE.
- J. ALIGN ALL WIRING DEVICES IN VERTICAL ALIGNMENT. IF ANY DEVICE(S) ARE FOUND NOT TO BE INSTALLED PER DETAIL CONTRACTOR SHALL RELOCATE AND PAY ALL ASSOCIATED COSTS ASSOCIATED WITH THE RELOCATION(S).
- K. LIGHTING INDICATED ABOVE EXIT DISCHARGE DOOR IS FOR MEANS OF EGRESS ILLUMINATION PER IRC 1006.1
- L. MEANS OF EGRESS TO BE ILLUMINATED AT NOT LESS THAN 1 FOOTCANDLE AT THE FLOOR. CONTRACTOR SHALL PROVIDE AND INSTALL IF NECESSARY ADDITIONAL EMERGENCY FIXTURES IF NECESSARY TO MEET THE REQUIRED READINGS.
- M. PROVIDE FIRE STOP ON ALL PIPING AT FLOOR PENETRATIONS PER LOCAL CODE REQUIREMENTS. METHOD OF FIRE STOP SHALL MEET WALL RATING. RE: ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE RATED WALLS. PROVIDE FIRE CAP HOUSING FOR ALL FIXTURES THAT PENETRATE FIRE RATED CEILINGS.
- N. CONDUIT SHALL BE USED FOR CONDUCTORS WHERE REQUIRED BY N.E.C.
- O. PROVIDE HOUSE KEEPING PAD FOR ALL FLOOR MOUNTED EQUIPMENT.
- P. WHERE MORE THAN ONE SWITCH IS INDICATED ON DRAWINGS SIDE BY SIDE, CONTRACTOR SHALL INSTALL SWITCHES UNDER ONE COMMON FACE PLATE.
- Q. UPON REQUEST FOR ELECTRONIC FILES, CONTRACTOR SHALL FILL OUT, SIGN AND RETURN ELECTRONIC MEDIA RELEASE FORM FROM ENGINEER AND PROVIDE PAYMENT FOR FEES STIPULATED ON ELECTRONIC MEDIA RELEASE FORM. UPON RECEIPT OF COMPLETED RELEASE FORM AND PAYMENT, ELECTRONIC FILES WILL BE RELEASED.
- R. ELECTRICAL CONTRACTOR SHALL SCAN FLOOR UTILIZING GROUND PENETRATING RADAR PRIOR TO ANY CORE DRILLING OR SAW CUTTING OF SLAB AND SHALL VERIFY PLACEMENT WITH BUILDING OWNER'S REPRESENTATIVE PRIOR TO DRILLING.
- S. CUTTING AND PATCHING OF FLOORS, WALLS, CEILING, ETC., REQUIRED IN STRICT ACCORDANCE WITH THE RULES AND REGULATIONS OF THE ARCHITECT'S SPECIFICATIONS.
- T. EACH ROOM UTILIZING A LEVITON LEVNET RF WIRELESS SWITCH OR OCCUPANCY SENSOR,
- T. EACH ROOM UTILIZING A LEVITON LEVNET RF WIRELESS SWITCH OR OCCUPANCY SENSOF PROVIDE AND INSTALL A LEVITON LEVNET RF RELAY RECEIVER ABOVE CEILING.

U. RESTRICTED ACCESS OVER CEILING AREAS:
APPLIED CONSTRUCTION LOADS OVER EXISTING PLASTER CEILINGS SHALL BE LIMITED TO NOT MORE THAN 175 POUNDS. THIS LOAD SHALL BE APPLIED DIRECTLY TO THE EXISTING CEILING JOISTS. NO LOAD SHALL BE PERMITTED TO BE IN DIRECT CONTACT WITH THE CEILING GRID BETWEEN JOISTS. IF LOADS IN EXCESS OF 175 POUNDS MUST BE APPLIED ABOVE THE CEILING, THE CONTRACTOR SHALL PROVIDE A TEMPORARY PLATFORM FRAMING BACK TO THE EXISTING VERTICAL STUDS THAT PRESENTLY SUPPORT THE EXISTING CEILING JOISTS. CONSTRUCTION DOCUMENTS FOR SUCH A PLATFORM SHALL BE DESIGNED BY THE CONTRACTOR'S PROFESSIONAL ENGINEER AND SHALL BEAR HIS MISSOURI SEAL. THESE PLANS SHALL BE SUBMITTED TO THE PROJECT ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW.

### BRANCH CIRCUIT COPPER CONDUCTOR AND CONDUIT SIZING CHART \*

OVERCURRENT REQUIRED PROTECTION DEVICE CONDUCTO RATING (AMPS)		EQUIPMENT GROUNDING CONDUCTOR SIZE	SINGLE PHASE 2 WIRE + GND. CONDUIT SIZE	SINGLE PHASE 3 WIRE + GND. CONDUIT SIZE (where noted on circuit)	THREE PHASE 3 WIRE + GND. CONDUIT SIZE	THREE PHASE 4 WIRE + GND. CONDUIT SIZE (where noted on circuit)	
15	12 AWG	12 AWG	3/4"	3/4"	3/4"	3/4"	
20	12 AWG	12 AWG	3/4"	3/4"	3/4"	3/4"	
25	10 AWG	10 AWG	3/4"	3/4"	3/4"	3/4"	
30	10 AWG	10 AWG	3/4"	3/4"	3/4"	3/4"	
35	8 AWG	10 AWG	3/4"	3/4"	3/4"	3/4"	
40	8 AWG	10 AWG	3/4"	3/4"	3/4"	3/4"	
45	6 AWG	10 AWG	3/4"	3/4"	3/4"	1"	
50	6 AWG	10 AWG	3/4"	3/4"	3/4"	1"	
60	4 AWG	10 AWG	1"	1"	1"	1-1/4"	
70	4 AWG	8 AWG	1"	1"	1"	1-1/4"	
80	3 AWG	8 AWG	1"	1-1/4"	1-1/4"	1-1/4"	
90	2 AWG	8 AWG	1"	1-1/4"	1-1/4"	1-1/4"	
100	1 AWG	8 AWG	1-1/4"	1-1/2"	1-1/2"	1-1/2"	

- \* = UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- \* = ALL CONDUCTORS SIZED ON THE POWER RISER DIAGRAM OR IN BRANCH CIRCUIT CONDUCTOR TABLE ARE BASED ON 3 CURRENT CARRYING CONDUCTORS IN A RACEWAY OR CABLE. CONDUCTORS SHALL BE DERATED IN ACCORDANCE WITH THE NEC IF 4 OR MORE CONDUCTORS ARE PLACED IN A RACEWAY OR CABLE.

### **ELECTRICAL SYMBOLS**

BRANCH CIRCUIT CONCEALED IN CEILING OR WALL. ARROWS INDICATE
HOMERUNS TO PANEL. ALL CONDUCTORS ARE MINIMUM NO.12 UNLESS NOTED
OTHERWISE.
PHASE CONDUCTORS
NEUTRAL CONDUCTOR
GROUND CONDUCTOR

LP1-10
PANEL - BREAKER NUMBER (IDENTIFICATION)

1/3, 1/3/5

INDICATES X/X = 2-POLE C.B., X/X/X = 3-POLE C.B.

HOMERUN INDICATED LIKE THIS INDICATED THREE SEPARATE CIRCUITS

5 1

CONDUIT CONCEALED IN CEILING OR WALL WITH THREE CONDUCTORS: 1-PHASE;
1-NEUTRAL; 1-GROUND WIRE, MINIMUM NO.12 WIRE UNLESS OTHERWISE SPECIFIED

ON DRAWINGS.

— — — — — CONDUIT RUN UNDERGROUND OR CONCEALED IN FLOOR SLAB.

GROUNDING CONDUCTOR NO.12 WIRE EXCEPT AS NOTED

OR 18

EXIT SIGN - SINGLE FACED - ARROWS AS SHOWN ON DRAWING. SHADED SIDE(S) INDICATES FACE SIDE(S) OF EXIT.

EXIT SIGN - DOUBLE FACED - ARROWS AS SHOWN ON DRAWING. SHADED SIDE(S) INDICATES FACE SIDE(S) OF EXIT.

INDICATES FACE SIDE(S) OF EXIT.

A OR A FLUORESCENT LIGHT FIXTURE, LETTER DENOTES FIXTURE TYPE

FLUORESCENT LIGHT FIXTURE ON EMERGENCY POWER OR WITH INTEGRAL EMERGENCY BALLAST, REFER TO FIXTURE SCHEDULE FOR TYPE

FLUORESCENT STRIP FIXTURE

On O WALL WASH OR RECESSED CEILING LIGHT FIXTURE

WALL MOUNTED LIGHT FIXTURE, SIZE AND TYPE AS NOTED

PENDANT MOUNTED LIGHT FIXTURE, SIZE AND TYPE AS NOTED

TRACK LIGHTING, SIZE AND TYPE AS NOTED

INDIRECT/DIRECT LIGHT FIXTURE, SIZE AND TYPE AS NOTED

208Y/120V OR 120/240V PANELBOARD (SURFACE) TOP MOUNTED 6'-0" AFF

GROUND

POWER CONNECTION POINT

SW1 WIRELESS SINGLE ROCKER SWITCH. LEVITON LEVNET RF DECORA SELF-POWERED SWITCH. +4'-0" AFF TO CETNERLINE OF SWITCH

(MS)<sub>1</sub> CEILING MOUNTED OCCUPANCY SENSOR. LEVITON DUAL TECHNOLOGY, 1500 SF COVERAGE.

SINGLE POLE SWITCH. +4'-0" AFF TO CENTERLINE OF DEVICE BOX

COVERAGE.

(MS)<sub>3</sub> CEILING MOUNTED WIRELESS OCCUPANCY SENSOR. LEVITON WSCO4-IRW, 1500 SF

CEILING MOUNTED WIRELESS OCCUPANCY SENSOR. LEVITON WSCO4-IRW, 450 SF

COVERAGE.

DUPLEX RECEPTACLE. +1'-6" AFF OR AS NOTED

DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP

GFI DUPLEX RECEPTACLE WITH WEATHERPROOF PLATE. HEIGHT AS NOTED.

DUPLEX RECEPTACLE W/GROUND FAULT PROTECTION.

+1'-6" AFF OR AS NOTED

DOUBLE DUPLEX RECEPTACLE. +1'-6" AFF OR AS NOTED

SQUARE RECESSED FLUSH FLOOR BOX WITH TYPE INDICATED. SEE SPECS.

LOW VOLTAGE OUTLET, DOUBLE GANG BOX WITH SINGLE GANG PLASTER RING.
INSTALL 1" CONDUIT STUBBED UP OUT OF TOP OF BOX TO ABOVE AN ACCESSIBLE
CEILING. +1'-6" AFF OR AS NOTED.

LOW VOLTAGE OUTLET, DOUBLE GANG BOX WITH SINGLE GANG PLASTER RING. INSTALL 1" CONDUIT STUBBED UP OUT OF TOP OF BOX TO ABOVE AN ACCESSIBL CEILING. +1'-6" AFF OR AS NOTED.

FSD FIRE AND SMOKE DAMPER 120V, 1Ø, CONNECT TO FA SYSTEM

CARD READER. PROVIDE DOUBLE GANG J-BOX WITH SINGLE GANG PLASTER RING WITH 3/4"C STUBBED UP INSIDE WALL AND OUT TO ACCESSIBLE CEILING WITH BUSHING ON THE END. +3'-10" AFF OR AS NOTED.

HANDICAP DOOR OPERATOR

INDOOR DOOR CONTACT (FLUSH MOUNTD)

RX REQUEST TO EXIT MOTION SENSOR

ES ELECTRIC STRIKE

MAG-LOCK

FIXED CAMERA

FIRE RATED THRU FLOOR POKE THRU DEVICE, FURNITURE POWER FEED. TYPE AS NOTED ON DRAWINGS.

FIRE RATED THRU FLOOR POKE THRU DEVICE, FURNITURE DATA FEED. TYPE AS NOTED ON DRAWINGS.

FURNITURE POWER FEED. WALL MOUNTED SINGLE GANG J-BOX WITH 1" CONDUIT

UP TO ABOVE ACCESSIBLE CEILING. +1'-6" AFF OR AS NOTED.

FURNITURE DATA FEED. WALL MOUNTED DOUBLE GANG J-BOX WITH DOUBLE GANG PLASTER RING. INSTALL (2) 1-1/4"C. STUBBED UP OUT OF BOX TO ABOVE

ACCESSIBLE CEILING FOR COMMUNICATION CABLES. +1'-6" AFF OR AS NOTED.

INDICATES WIRING DEVICE ABOVE RE: DRAWING

-0" HEIGHT TO CENTERLINE OF OUTLET BOX ABOVE FINISHED FLOOR

FF ABOVE FINISH FLOOR

ETR EXISTING TO REMAIN

ACC-1 AIR COOLED CONDENSOR UNIT AND NUMBER

ERV-1 ENERGY RECOVERY VENTILATOR UNIT AND NUMBER

HWP-1 HOT WATER PUMP AND NUMBER

FCU-1 FAN COIL UNIT AND NUMBER

CHILLED WATER PUMP UNIT AND NUMBER
CHILLER UNIT AND NUMBER

EF-1 EXHAUST FAN AND NUMBER

AFF ABOVE FINISH FLOOR

ETR EXISTING TO REMAIN

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COURTH

HISTORIC TRUMA

ISSUED FOR CONSTRUCTION

PROJECT NO.	
DATE	10-19-201
DRAWN BY	JDB/SM
CHECKED BY	DW
CHECKED BY	LD
REVISED DATE	DESCRIPTION

ELECTRICAL SCHEDULES

& SYMBOLS

SHEET TITLE & NUMBER

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