





**SPECIFICATIONS** (CONTINUED FROM DRAWING NO. E002)

262913 – MOTOR STARTERS

A. GENERAL

1. STARTERS SHALL BE NEMA-RATED. IEC-RATED EQUIPMENT WILL NOT BE ACCEPTED.
2. STARTERS AND ASSOCIATED DEVICES UNLESS OTHERWISE INDICATED SHALL HAVE NEMA 1 ENCLOSURES WHERE MOUNTED INDOORS AND NEMA 3R ENCLOSURES WHERE MOUNTED OUTDOORS.
3. STARTERS SHALL DISCONNECT ALL UN-GROUNDED CIRCUIT CONDUCTORS.
4. STARTERS SHALL HAVE 75 DEGREES C – RATED LINE AND LOAD LUGS.
5. OVERLOAD:
  - b. THERMAL OVERLOAD PROTECTION SHALL BE TRIP-FREE AND THE HAND RESET TYPE. OVERLOAD RELAYS SHALL BE CLASS 10.
  - c. EACH UNGROUNDED PHASE OR MOTOR LEAD SHALL HAVE OVERLOAD PROTECTION IN ITS STARTER.
  - d. MANUAL RESET IN COVER
  - e. ELEMENTS SIZED UPON NAMEPLATE RUNNING AMPERES OF THE ACTUAL MOTOR INSTALLED.
6. STARTERS SHALL BE LOCKABLE IN THE OFF POSITION.

B. ACCEPTABLE MANUFACTURERS: EATON, GENERAL ELECTRIC, SIEMENS, AND SQUARE D.

C. EXECUTION:

1. WHEN MOTORS ARE SUPPLIED WITH CHARACTERISTICS DIFFERENT FROM THOSE INDICATED ON THE DRAWINGS, STARTERS, FEEDERS, OVERLOADS, DISCONNECTS, AND ASSOCIATED DEVICES OF THE CORRECT SIZE, TYPE, AND RATING SHALL BE PROVIDED.
2. PROVIDE FULL-VOLTAGE STARTERS UNLESS OTHERWISE INDICATED.
3. INSTALL IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.

263323 – CENTRAL BATTERY EQUIPMENT FOR EMERGENCY LIGHTING

A. WARRANTY: FROM DATE OF SUBSTANTIAL COMPLETION, WARRANTIES ON CENTRAL BATTERY EQUIPMENT (EXCLUDING BATTERIES) SHALL BE AT LEAST 5 YEARS. VRLA TYPE BATTERIES SHALL HAVE A WARRANTY PERIOD OF AT LEAST 3 YEARS, PRO RATA TO 7 YEARS.

B. SHALL COMPLY WITH THE NFPA 70, UL 924, IBC, NFPA 101 AND NEMA PE 1.

C. PERFORMANCE REQUIREMENTS:

1. RATED FOR OPERATION WITH INCANDESCENT, FLUORESCENT, OR LED LOADS.
2. CONTINUOUSLY PROVIDE UNINTERRUPTED AC POWER TO CONNECTED EMERGENCY ELECTRICAL LIGHTING SYSTEM.
3. UNIT SHALL BE SIZED TO HANDLE LIGHTING LOADS AS INDICATED ON THE DRAWINGS. PROVIDE WITH TWO, 20 AMP, OUTPUT CIRCUIT BREAKERS TO CIRCUIT THE FIXTURES AS SHOWN ON DRAWINGS. IF INVERTER IS TOO SMALL TO BE PROVIDED WITH OUTPUT CIRCUIT BREAKERS, A SMALL LOADCENTER WITH TWO CIRCUITS MAY BE PROVIDED DIRECTLY DOWNSTREAM OF THE INVERTER TO SEPARATE THE INTERIOR AND EXTERIOR LIGHTING CIRCUITS.
4. AUTOMATIC CONTROL:
  - a. NORMAL CONDITIONS: SUPPLY THE LOAD WITH AC POWER FLOWING FROM NORMAL AC POWER INPUT TERMINALS, THROUGH RECTIFIER AND INVERTER, WITH BATTERY CONNECTED IN PARALLEL WITH RECTIFIER OUTPUT.
  - b. ABNORMAL SUPPLY CONDITIONS: IF NORMAL AC SUPPLY DEVIATES FROM SPECIFIED AND ADJUSTABLE VOLTAGE, VOLTAGE WAVEFORM, OR FREQUENCY LIMITS, BATTERY SUPPLIES CONSTANT, REGULATED, INVERTER AC POWER OUTPUT TO THE LOAD WITHOUT SWITCHING OR DISTURBANCE.
  - c. IF NORMAL POWER FAILS, BATTERY CONTINUES TO SUPPLY REGULATED AC POWER THROUGH THE INVERTER TO THE LOAD WITHOUT SWITCHING DISTURBANCE.
  - d. WHEN POWER IS RESTORED AT NORMAL SUPPLY TERMINALS OF SYSTEM, CONTROLS AUTOMATICALLY SYNCHRONIZE INVERTER WITH THE EXTERNAL SOURCE BEFORE TRANSFERRING THE LOAD. RECTIFIER THEN SUPPLIES POWER TO THE LOAD THROUGH THE INVERTER AND SIMULTANEOUSLY RECHARGES BATTERY.
  - e. IF BATTERY BECOMES DISCHARGED AND NORMAL SUPPLY IS AVAILABLE, RECTIFIER CHARGES BATTERY. WHEN BATTERY IS FULLY CHARGED, RECTIFIER AUTOMATICALLY SHIFTS TO FLOAT-CHARGE MODE.
  - f. IF ANY ELEMENT IN THE RECTIFIER/INVERTER STRING FAILS AND POWER IS AVAILABLE AT NORMAL SUPPLY TERMINALS OF SYSTEM, STATIC TRANSFER SWITCH TRANSFERS THE LOAD TO NORMAL AC SUPPLY CIRCUIT WITHOUT DISTURBANCE OR INTERRUPTION OF SUPPLY.
  - g. IF A FAULT OCCURS IN SYSTEM SUPPLIED BY THE INVERTER OUTPUT, AND CURRENT FLOWS IN EXCESS OF THE OVERLOAD RATING OF THE INVERTER, STATIC TRANSFER SWITCH OPERATES TO BYPASS FAULT CURRENT TO NORMAL AC SUPPLY CIRCUIT FOR FAULT CLEARING.
  - h. WHEN FAULT HAS CLEARED, STATIC TRANSFER SWITCH RETURNS THE LOAD TO INVERTER OUTPUT.
  - i. IF BATTERY IS DISCONNECTED, INVERTER CONTINUES TO SUPPLY POWER TO THE LOAD WITH NO DEGRADATION OF ITS REGULATION OF VOLTAGE AND FREQUENCY OF OUTPUT BUS.
5. INVERTER AND CONTROLS LOGIC: MICROPROCESSOR BASED, ISOLATED FROM ALL POWER CIRCUITS; PROVIDES COMPLETE SELF-DIAGNOSTICS, PERIODIC AUTOMATIC TESTING AND REPORTING; WITH ALARMS.
6. STATUS INDICATION: DOOR-MOUNTED, LABELED LED INDICATORS OR DIGITAL SCREEN DISPLAYING NORMAL POWER AVAILABLE, ON BATTERY POWER AND SYSTEM FAULT.
7. BATTERY CHARGES SHALL BE SOLID STATE, VARIABLE RATE, TEMPERATURE COMPENSATED, AUTOMATICALLY MAINTAINS BATTERIES IN FULLY CHARGED CONDITION WHEN NORMAL POWER AVAILABLE. MAXIMUM RECHARGE TIME WHEN FULLY DISCHARGED SHALL BE 24 HOURS.
8. BATTERIES SHALL BE STANDARD VRLA, CAPABLE OF SUSTAINING FULL-CAPACITY OUTPUT OF INVERTER UNIT FOR MINIMUM OF 90 MINUTES.

264313 – SURGE PROTECTIVE DEVICES (SPD's)

A. ACCEPTABLE MANUFACTURERS: EATON, EMERSON/ASCO, AND SQUARE D.

- B. UNIT OPERATING VOLTAGE – REFER TO DRAWINGS FOR OPERATING VOLTAGE AND UNIT CONFIGURATION.
- C. MAXIMUM CONTINUOUS OPERATING VOLTAGE (MCOV) – THE MCOV SHALL NOT BE LESS THAN 115% OF THE NOMINAL SYSTEM OPERATING VOLTAGE.
- D. SPD SHALL HAVE A MINIMUM SURGE CURRENT CAPACITY OF 150KA PER PHASE, 75KA PER MODE.
- E. THE SPD SHALL BE MAINTENANCE FREE AND SHALL NOT REQUIRE ANY USER INTERVENTION THROUGHOUT ITS LIFE. SPD'S CONTAINING ITEMS SUCH AS REPLACEABLE MODULES, REPLACEABLE FUSES, OR REPLACEABLE BATTERIES SHALL NOT BE ACCEPTED. SPD'S REQUIRING ANY MAINTENANCE OF ANY SORT SUCH AS PERIODIC TIGHTENING OF CONNECTORS SHALL NOT BE ACCEPTED. SPD'S REQUIRING USER INTERVENTION TO TEST THE UNIT VIA A DIAGNOSTIC TEST KIT OR SIMILAR DEVICE SHALL NOT BE ACCEPTED.
- F. ELECTRICAL NOISE FILTER: EACH UNIT SHALL INCLUDE A HIGH-PERFORMANCE EMI/RFI NOISE REJECTION FILTER. NOISE ATTENUATION FOR ELECTRIC LINE NOISE SHALL BE UP TO 50 DB FROM 10 KHZ TO 100 MHZ USING THE MIL-STD-220A INSERTION LOSS TEST METHOD. PRODUCTS UNABLE TO MEET THIS SPECIFICATION SHALL NOT BE ACCEPTED.
- G. SURGE COUNTER: THE SPD SHALL BE EQUIPPED WITH AN LCD DISPLAY THAT INDICATES TO THE USER HOW MANY SURGES HAVE OCCURRED AT THE LOCATION.
- H. EXTERNALLY MOUNTED DEVICES INSTALLED OUTDOORS, SHALL BE NEMA 3R AND MOUNTED AS CLOSE AS POSSIBLE TO DEVICE IT IS PROTECTING TO ENSURE OPTIMUM PERFORMANCE.
- I. WARRANTY: THE MANUFACTURER SHALL PROVIDE A FULL TEN (10) YEAR WARRANTY FROM THE DATE OF SHIPMENT AGAINST ANY SPD PART FAILURE WHEN INSTALLED IN COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND APPLICABLE NATIONAL AND LOCAL CODES.

265100 & 265110 – INTERIOR AND EXTERIOR LIGHTING

- A. PROVIDE LIGHT FIXTURES AS SCHEDULED ON DRAWINGS. EQUALS IN PERFORMANCE, QUALITY AND MATERIALS WILL BE CONSIDERED.
- B. PROVIDE A 5 YEAR WARRANTY FOR AL LIGHT FIXTURES.
- C. ALL FIXTURES SHALL HAVE A L80/50,000 HOUR MINIMUM RATING.

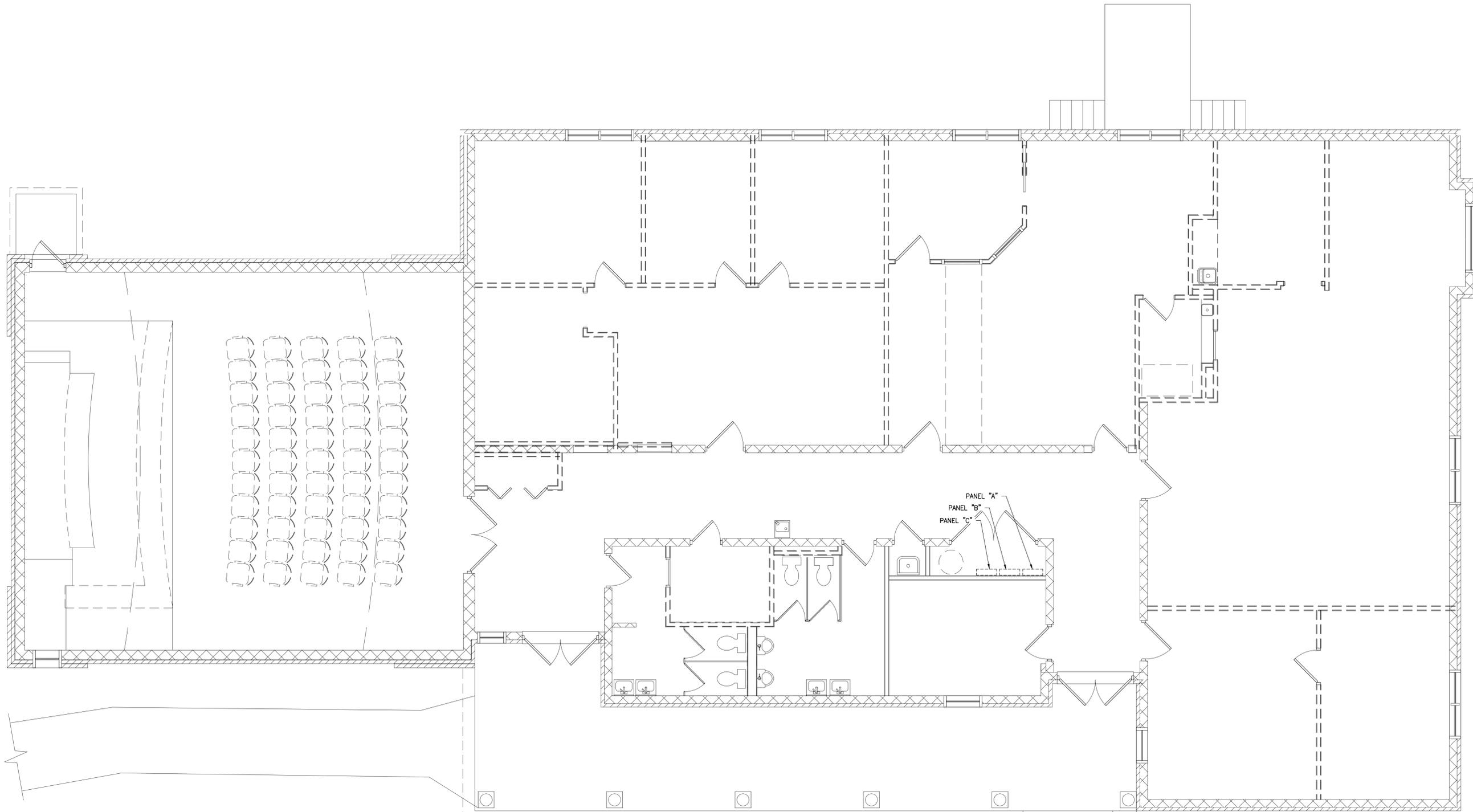
267200 – FIRE DETECTION AND ALARM SYSTEM (FDAS)

- A. ALL DEVICES SHALL BE INDIVIDUALLY ADDRESSABLE.
- B. DEVICES SHALL BE WIRED SUCH THAT VOLTAGE DROP IS LIMITED TO NO MORE THAN 15%.
- C. THE FDAS SHALL COMPLY WITH REQUIREMENTS OF NFPA STANDARD NO. 72 FOR PROTECTED PREMISES SIGNALING SYSTEMS.
- D. AS MUCH AS POSSIBLE, WIRING SHOULD BE CONCEALED WITHIN WALLS OR ABOVE CEILING.
- E. SHOP DRAWINGS SHALL CONTAIN THE FOLLOWING INFORMATION:
  1. CATALOG DATA SHEETS DESCRIBING EACH PIECE OF EQUIPMENT.
  2. DESCRIPTION OF SYSTEM OPERATION.
  3. SCALED FLOOR PLANS SHOWING THE LOCATION OF EACH DEVICE AS WELL AS LIGHT AN SOUND OUTPUT.
  4. BATTERY CALCULATIONS.
  5. VOLTAGE DROP CALCULATIONS.
  6. UNDERWRITERS LABORATORIES, INC., LISTING CARDS FOR THE SYSTEM EQUIPMENT.
  7. OTHER INFORMATION REQUIRED BY THE AHJ (AUTHORITY HAVING JURISDICTION).
- F. ACCEPTABLE MANUFACTURERS: EST FIRE ALARM, NOTIFIER (HONEYWELL), SIEMENS, SIMPLEXGRINNEL.
- G. SYSTEM SHALL BE WIRED. WIRELESS SYSTEMS WILL NOT BE ACCEPTED. WIRING SHALL BE CLASS B.

END OF DIVISION 26 ELECTRICAL SPECIFICATIONS

APR		Zone		Revision Notes		Date		No.		Issue Notes		Date		No.	
Client/BS Review		07/11/20		07/11/20		07/09/20		06/25/20		06/03/20		06/03/20		06/03/20	
AE Progress		AE Progress		AE Progress		DD Progress		DD Progress		DD Progress		DD Progress		DD Progress	
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**NOTES (SHEET E101)**

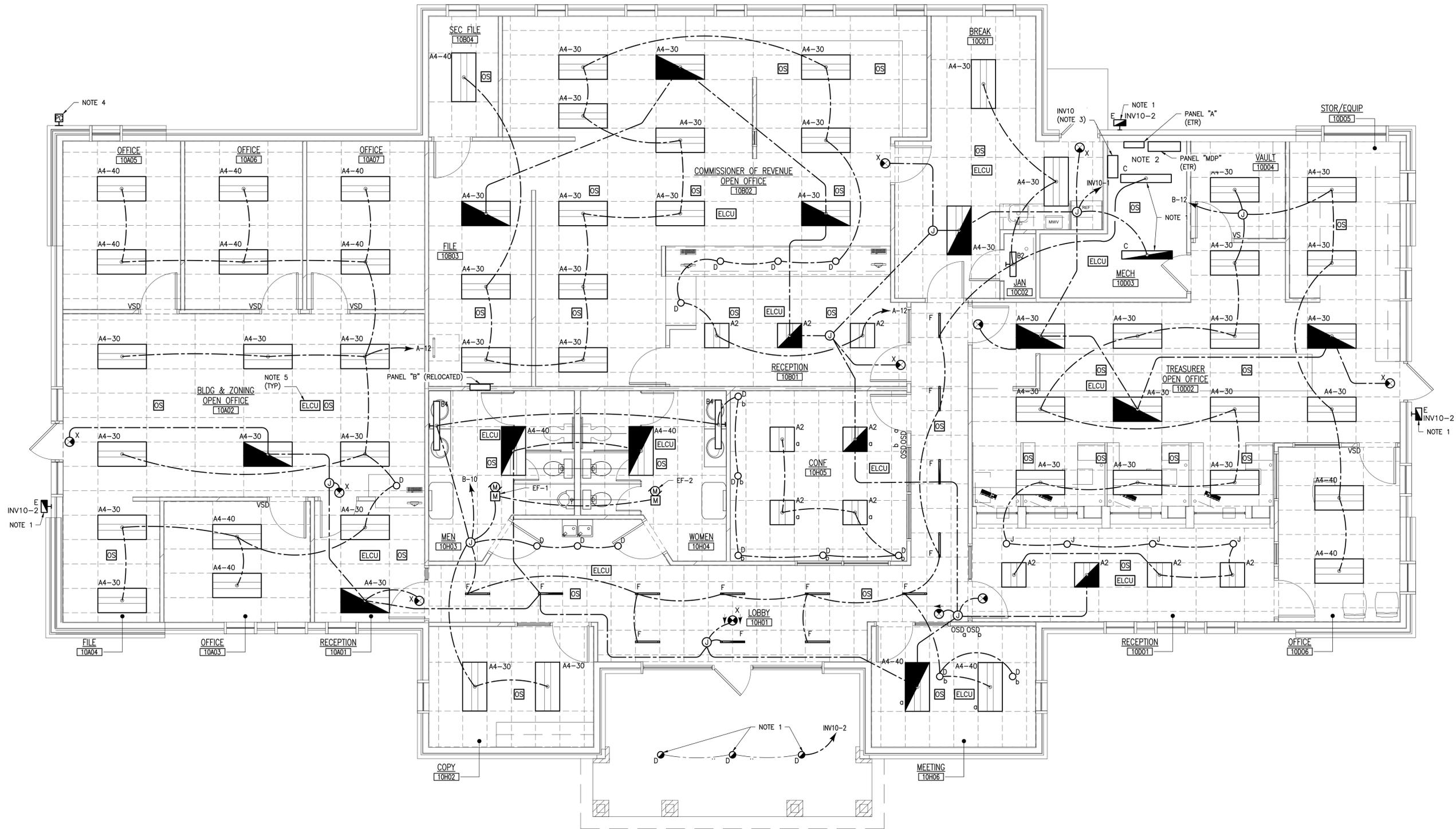
1. REMOVE ALL RECEPTACLES. REMOVE BRANCH CIRCUIT WIRING. CONDUIT AND BOXES MAY BE UTILIZED TO INSTALL NEW RECEPTACLE AND BRANCH CIRCUIT WIRING. INSTALL BLANK COVER PLATES OVER ANY ABANDONED RECEPTACLE BOXES THAT REMAIN.
2. FOR THE FOLLOWING LOADS, REMOVE ALL BRANCH CIRCUIT WIRING BACK TO THE PANELBOARD. CONDUIT MAY REMAIN FOR NEW WIRING IF IN SERVICEABLE CONDITION.
  - A. RECEPTACLES
  - B. INTERIOR LIGHTING
  - C. BUILDING-MOUNTED EXTERIOR LIGHTING
  - D. HVAC EQUIPMENT SHOWN DEMOLISHED OR RE-LOCATED ON MECHANICAL PLANS
3. REMOVE ALL LIGHT FIXTURES ON INTERIOR AND EXTERIOR OF THE BUILDING.
4. DEMO PANELS "A", "B", AND "C". WIREWAY BELOW PANELBOARDS MAY REMAIN TO FACILITATE RE-WIRING. SERVICE ENTRANCE WIRING FROM POWER COMPANY CT CABINET TO WIREWAY MAY REMAIN IF AMPACITY IS GREATER THAN OR EQUAL TO 600 AMPERES. SOME CIRCUITS, SUCH AS POLE LIGHTING AND HVAC EQUIPMENT NOT BEING DEMOLISHED, NEED TO BE RE-CONNECTED TO THE NEW PANELBOARDS. ENSURE THESE CIRCUITS ARE LABELED AND MAINTAINED THROUGH DEMOLITION.
5. REMOVE ALL SURFACE RACEWAY IN BOS CHAMBER.
6. DEMOLISH FIRE DETECTION AND ALARM DEVICES.

**FLOOR PLAN - ELECTRICAL DEMOLITION**  
 SCALE: 1/4" = 1'-0"



**PROGRESS PRINT**  
**NOT FOR CONSTRUCTION**  
 2020/07/31

COUNTY OF MADISON, VIRGINIA 110 NORTH MAIN STREET MADISON, VA 22727		Norman Smith Architecture 1347 Sully Hill Road, Springfield, VA 22150 T 202 462-5988 www.normansmitharchitecture.com		PROJECT BUILDING 414 FLOOR PLAN ELECTRICAL DEMOLITION	
PROJECT NO. E101	SHEET NO. 1 of 1	DATE 2020/07/31	DRAWN BY MSB	CHECKED BY MSB	PROJECT MANAGER MSB
REVISION NO. 6	REVISION DATE 07/15/20	REVISION DESCRIPTION Client/BOB Review	REVISION NO. 5	REVISION DATE 07/17/20	REVISION DESCRIPTION AE Progress
REVISION NO. 4	REVISION DATE 07/09/20	REVISION DESCRIPTION AE Progress	REVISION NO. 3	REVISION DATE 06/25/20	REVISION DESCRIPTION AE Progress
REVISION NO. 2	REVISION DATE 06/25/20	REVISION DESCRIPTION AE Progress	REVISION NO. 1	REVISION DATE 06/25/20	REVISION DESCRIPTION DD Progress



NOTES (SHEET E200)

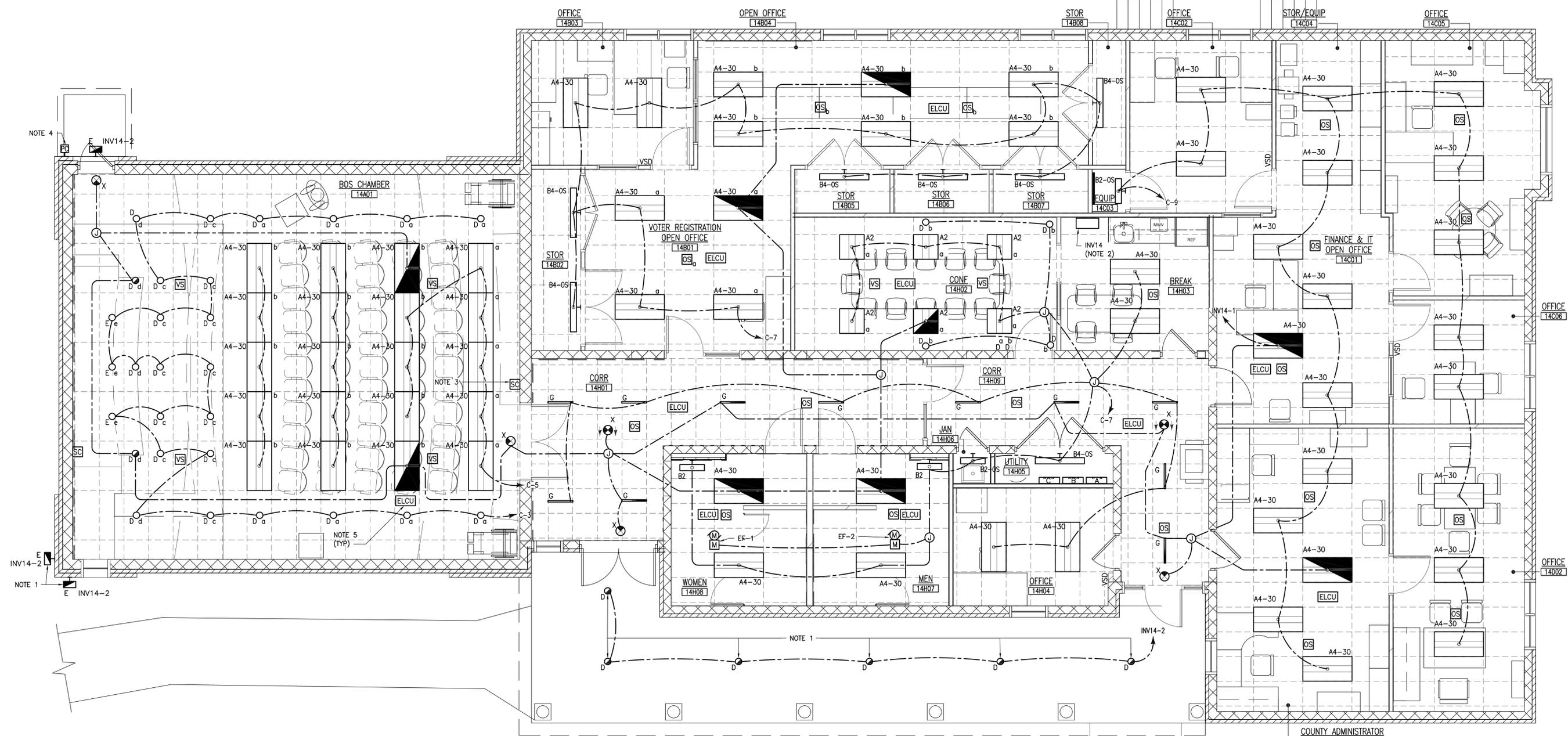
1. REPLACE EXISTING FIXTURE AT SAME LOCATION WITH NEW FIXTURE OF TYPE DESIGNATED.
2. BUTTON-TYPE PHOTO CELL CONTROLS ALL EXTERIOR, BUILDING MOUNTED FIXTURES.
3. EMERGENCY POWER LIGHTING INVERTER "INV10". SEE SPECIFICATIONS. COORDINATE LOCATION WITH ARCHITECT.
4. AIM NORTH. CONNECT TO EXTERIOR TYPE "E" AND TYPE "D" FIXTURES.
5. EMERGENCY LIGHTS IN THIS SPACE CONTROLLED BY EMERGENCY LIGHTING CONTROL UNIT (ELCU). REFER TO "EMERGENCY LIGHTING CONTROL DIAGRAM", SHEET E001 FOR DETAILS.

**FLOOR PLAN - LIGHTING**  
 SCALE: 1/4" = 1'-0"  
 NORTH



PROGRESS PRINT.  
 NOT FOR CONSTRUCTION  
 7/31/20

COUNTY OF MADISON, VIRGINIA 410 NORTH MAIN STREET MADISON, VA 22747		BUILDING 410 FLOOR PLAN - LIGHTING	
Norman Smith Architecture 134 S. Main Street, Suite 200 357 S. Main Street, Suite 200 T 202-462-5986 www.normansmitharchitecture.com		MASTER ARCHITECTURE & DESIGNERS 1001 EAST MAIN STREET, SUITE 100 MADISON, VA 22747	
Date: 02/12/20 Drawn By: JMR Checked By: MSB Project No: 20200701	Revision: 5 07/12/20 AE Progress 4 07/17/20 AE Progress 3 07/09/20 AE Progress 2 08/25/20 AE Progress 1 08/02/20 DD Progress	No. 1 Date 08/02/20 Issue Notes	No. 1 Date 08/02/20 Issue Notes
Revision Notes		Revision Notes	
Zone		Zone	
Apr		Apr	
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**FLOOR PLAN - LIGHTING**  
SCALE: 1/4"=1'-0"  
NORTH

**BOS CHAMBER LIGHTING CONTROL NOTES**

LIGHTING IN THE BOS SPACE WILL BE SUB-DIVIDED INTO SEVERAL CONTROL ZONES SHOWN ON PLAN.

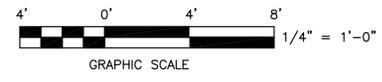
SCENE CONTROLLERS SHALL HAVE FOUR (4) SCENE BUTTONS, LABELED "NORMAL", "PRESENTATION", "FULL ON", AND "OFF". BUTTONS SHALL BE PROGRAMMED PER OWNER'S PREFERENCE DURING COMMISSIONING. BUTTONS SHALL ACT AS A 2-HOUR OVERRIDE OF THE CEILING-MOUNTED VACANCY SENSORS. AFTER THE 2-HOUR PERIOD, LIGHTS SHALL REMAIN IN THE CURRENT CONTROL STATE UNTIL EITHER NO OCCUPANCY IS DETECTED OR ANOTHER SCENE CONTROLLER BUTTON IS PRESSED.

EMERGENCY EGRESS LIGHTING FIXTURES ARE SHOWN. LIGHTING CONTROLS SHALL BE PROGRAMMED SUCH THAT EMERGENCY FIXTURES WILL AUTOMATICALLY BE BROUGHT TO 100% UPON LOSS OF NORMAL POWER.

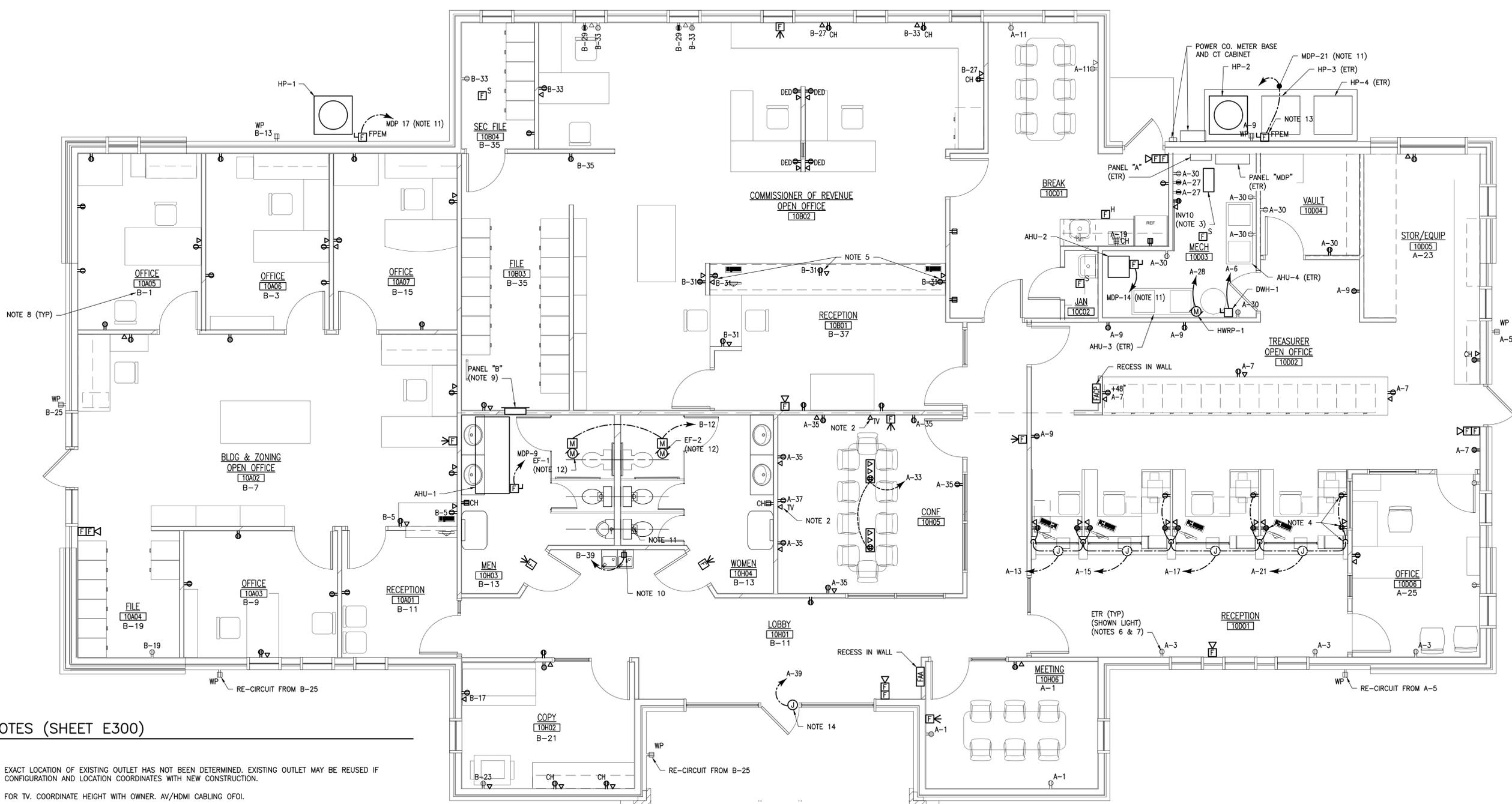
**NOTES (SHEET E201)**

1. REPLACE EXISTING FIXTURE AT SAME LOCATION WITH NEW FIXTURE OF TYPE DESIGNATED.
2. EMERGENCY POWER LIGHTING INVERTER "INV14". SEE SPECIFICATIONS. COORDINATE LOCATION WITH ARCHITECTURAL.
3. COORDINATE FINAL LOCATION AND INTEGRATION OF SCENE CONTROLLER INTO ACOUSTICAL PANEL WITH ARCHITECT.
4. BUTTON-TYPE PHOTO CELL CONTROLS ALL EXTERIOR, BUILDING MOUNTED FIXTURES.
5. EMERGENCY LIGHTS IN THIS SPACE CONTROLLED BY EMERGENCY LIGHTING CONTROL UNIT (ELCU). REFER TO "EMERGENCY LIGHTING CONTROL DIAGRAM", SHEET E001 FOR DETAILS.

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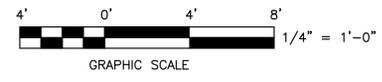
COUNTY OF MASON, VIRGINIA 410 NORTH MARK STREET MASON, VA 22077		BUILDING 414 FLOOR PLAN - LIGHTING	
PROJECT NO. 2020/0004	SHEET NO. E201	DATE 8/4/20	SCALE 1/4" = 1'-0"
PROJECT NAME COUNTY ADMINISTRATOR OFFICE	PROJECT LOCATION 1341 SOUTH MAIN STREET MASON, VA 22077	PROJECT NUMBER 2020/0004	PROJECT PHASE DD Progress
PROJECT OWNER COUNTY OF MASON, VIRGINIA	PROJECT ARCHITECT NORMAN SMITH ARCHITECTURE 1341 SOUTH MAIN STREET MASON, VA 22077 T 202-462-5986 www.normansmitharchitecture.com	PROJECT ENGINEER MASTER ARCHITECTURE & DESIGN 10000 WOODBURN AVENUE SUITE 100 FALLS CHURCH, VA 22044	PROJECT MANAGER MASTER ARCHITECTURE & DESIGN
REVISIONS	CLIENTS REVIEW	DATE	BY
6 07/12/20	07/12/20 AE Progress	07/12/20	MMB
5 07/12/20	07/12/20 AE Progress	07/12/20	MMB
4 07/12/20	07/12/20 AE Progress	07/12/20	MMB
3 07/08/20	07/08/20 AE Progress	07/08/20	MMB
2 06/25/20	06/25/20 AE Progress	06/25/20	MMB
1 05/03/20	05/03/20 DD Progress	05/03/20	MMB



**NOTES (SHEET E300)**

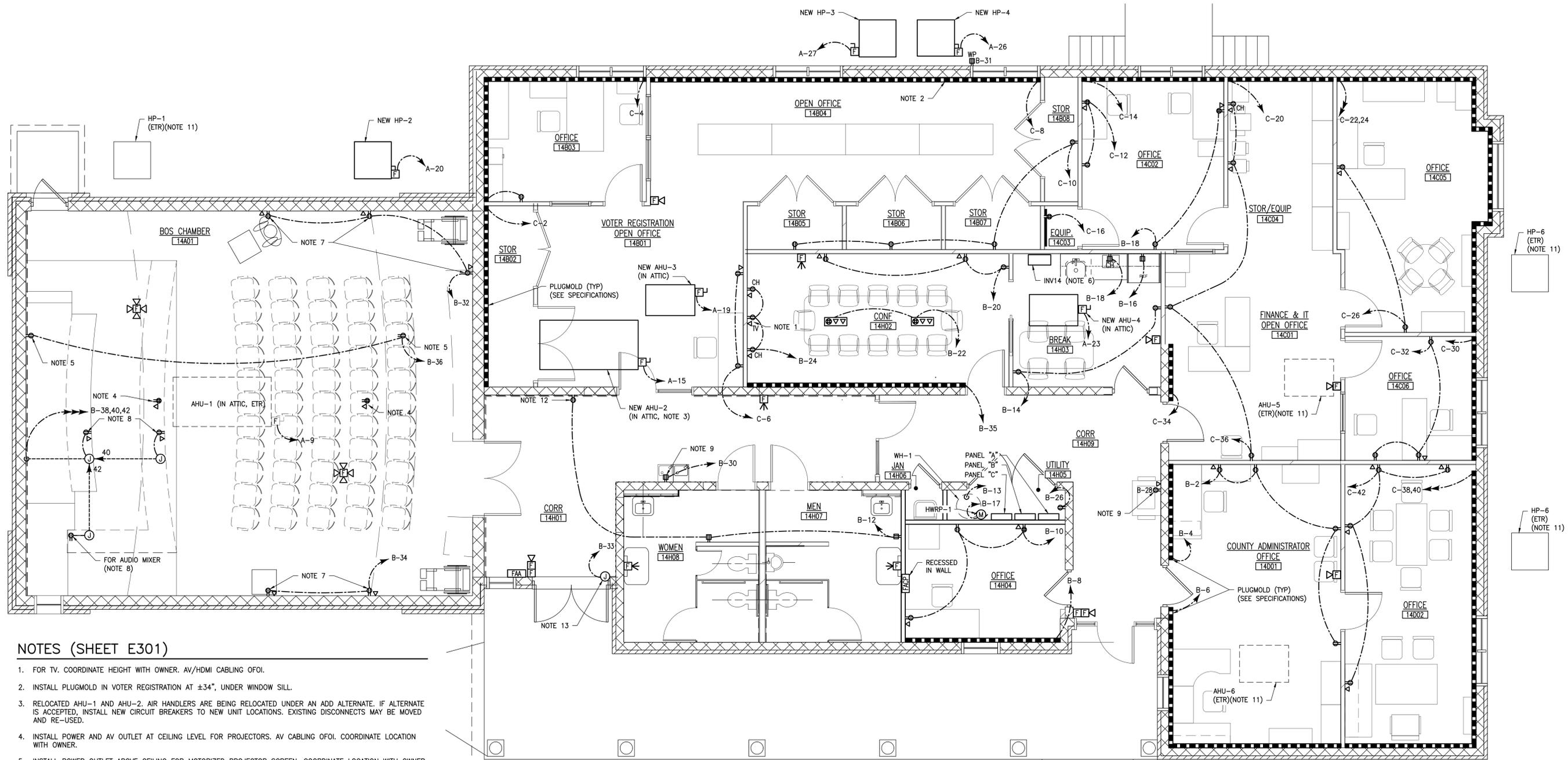
1. EXACT LOCATION OF EXISTING OUTLET HAS NOT BEEN DETERMINED. EXISTING OUTLET MAY BE REUSED IF CONFIGURATION AND LOCATION COORDINATES WITH NEW CONSTRUCTION.
2. FOR TV. COORDINATE HEIGHT WITH OWNER. AV/HDMI CABLING OFOI.
3. EMERGENCY POWER LIGHTING INVERTER "INV-1". MOUNT ON WALL. COORDINATE LOCATION WITH ARCHITECT.
4. SURFACE-MOUNT DATA/RECEPTACLE OUTLETS TO WALL BENEATH COUNTERTOP. ROUTE CONDUIT UP TO CEILING PLENUM CONCEALED WITHIN WORKSTATION CASEWORK. TYPICAL FOR EACH WORKSTATION. WIRE ONE CIRCUIT PER WORKSTATION. COORDINATE DATA/RECEPTACLE OUTLET LOCATIONS AND CONDUIT ROUTING WITH ARCHITECT.
5. SURFACE-MOUNT DATA/RECEPTACLE OUTLETS BENEATH COUNTERTOP, CONCEALED WITHIN CASEWORK. COORDINATE LOCATIONS WITH ARCHITECT.
6. ETR RECEPTACLES MARKED WITH A CIRCUIT NUMBER INDICATES THE CIRCUIT SERVING THE EXISTING RECEPTACLE. RECEPTACLE MAY REMAIN CIRCUITED AS NOTED. ETR RECEPTACLES NOT LABELED WITH A CIRCUIT NUMBER MUST BE RE-CIRCUITED FROM CIRCUIT SERVING SPACE.
7. REPLACE ALL ETR RECEPTACLES PER SPECIFICATIONS.
8. CIRCUIT SERVING RECEPTACLE IN SPACE, UON BY CIRCUITS LABELED BY INDIVIDUAL RECEPTACLES.
9. TO FACILITATE PANELBOARD RE-LOCATION, INSTALL A 36" X 36" X 12"D JUNCTION BOX ABOVE CEILING. USE TO EXTEND ANY BRANCH CIRCUIT WIRING THAT REMAINS TO NEW PANELBOARD LOCATION.
10. FOR EWC-1. COORDINATE EXACT LOCATION WITH EQUIPMENT PROVIDER.
11. EXISTING WIRING AND BREAKERS MAY BE REUSED FOR NEW HVAC UNITS PROVIDED SIZES ARE EQUAL TO OR GREATER THAN SIZES SHOWN ON PANEL SCHEDULES.
12. WIRE EXHAUST FANS TO BE CONTROLLED BY ROOM OCCUPANCY SENSOR.
13. INSTALL IN BETWEEN UNITS SUCH THAT ELECTRICAL CLEARANCES ARE MAINTAINED.
14. FOR ADA DOOR OPENER. COORDINATE LOCATION WITH EQUIPMENT VENDOR.

**FLOOR PLAN - POWER & FDAS**  
 SCALE: 1/4" = 1'-0"



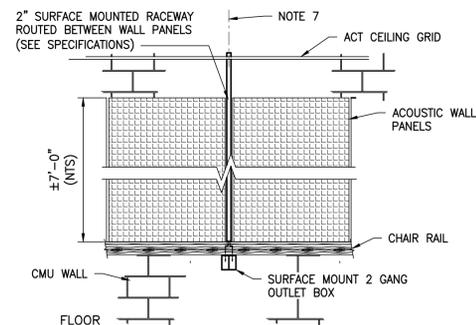
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 7/31/20

Project No.	202007021	Revision No.	1
Client/Owner	County of Madison, Virginia	Revision Date	07/31/20
Project Name	Building 410 - Power & FDAS	Revision Description	Client/Owner Review
Project Location	100 North Main Street, Madison, VA 22727	Revision Description	AE Progress
Project Manager	Norman Smith Architecture	Revision Description	AE Progress
Designer	Norman Smith Architecture	Revision Description	DD Progress
Checker	Norman Smith Architecture	Revision Description	DD Progress
Project No.	202007021	Revision No.	1
Client/Owner	County of Madison, Virginia	Revision Date	07/31/20
Project Name	Building 410 - Power & FDAS	Revision Description	Client/Owner Review
Project Location	100 North Main Street, Madison, VA 22727	Revision Description	AE Progress
Project Manager	Norman Smith Architecture	Revision Description	AE Progress
Designer	Norman Smith Architecture	Revision Description	DD Progress
Checker	Norman Smith Architecture	Revision Description	DD Progress
Project No.	202007021	Revision No.	1
Client/Owner	County of Madison, Virginia	Revision Date	07/31/20
Project Name	Building 410 - Power & FDAS	Revision Description	Client/Owner Review
Project Location	100 North Main Street, Madison, VA 22727	Revision Description	AE Progress
Project Manager	Norman Smith Architecture	Revision Description	AE Progress
Designer	Norman Smith Architecture	Revision Description	DD Progress
Checker	Norman Smith Architecture	Revision Description	DD Progress



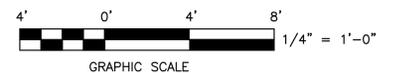
**NOTES (SHEET E301)**

1. FOR TV. COORDINATE HEIGHT WITH OWNER. AV/HDMI CABLING OFOI.
2. INSTALL PLUGMOLD IN VOTER REGISTRATION AT ±34", UNDER WINDOW SILL.
3. RELOCATED AHU-1 AND AHU-2. AIR HANDLERS ARE BEING RELOCATED UNDER AN ADD ALTERNATE. IF ALTERNATE IS ACCEPTED, INSTALL NEW CIRCUIT BREAKERS TO NEW UNIT LOCATIONS. EXISTING DISCONNECTS MAY BE MOVED AND RE-USED.
4. INSTALL POWER AND AV OUTLET AT CEILING LEVEL FOR PROJECTORS. AV CABLING OFOI. COORDINATE LOCATION WITH OWNER.
5. INSTALL POWER OUTLET ABOVE CEILING FOR MOTORIZED PROJECTOR SCREEN. COORDINATE LOCATION WITH OWNER.
6. EMERGENCY POWER LIGHTING INVERTER "INV-1". COORDINATE LOCATION WITH ARCHITECT.
7. SEE DETAIL 1, THIS SHEET. ROUTE POWER/DATA CABLING FROM ACT CEILING LEVEL INTO 2" SURFACE MOUNTED RACEWAY. EXTEND CABLING AND RACEWAY FROM ACT CEILING LEVEL DOWN WALL, BETWEEN ACOUSTICAL WALL PANELS TO CHAIR RAIL. TERMINATE RACEWAY AT CHAIR RAIL. EXTEND POWER/DATA CABLES BEHIND CHAIR RAIL INTO SURFACE-MOUNTED, SHALLOW UTILITY BOX. REFER TO ARCHITECTURAL SHEET A813, "BOS WALL ELEVATIONS" FOR DETAILS.
8. ROUTE SURFACE MOUNTED RACEWAY FOR POWER/DATA CABLING DOWN FROM ACT CEILING, BEHIND PLYWOOD PANELING. EXTEND TO BELOW RAISED FLOOR LEVEL AND EXTEND HORIZONTALLY UNDER RAISED FLOOR TO EACH DAIS PLATFORM. MOUNT POWER/DATA OUTLET IN BACKSLASH OF EACH DAIS PLATFORM. LOCATE AUDIO MIXER BENEATH COUNTERTOP OF DAIS PLATFORM. COORDINATE LOCATION OF EACH POWER/DATA OUTLET WITH ARCHITECT AND DAIS CASEWORK CONSTRUCTION.
9. SURFACE MOUNT RECEPTACLE BOX. PENETRATE CMU WALL AT RECEPTACLE ELEVATION AND ROUTE CONDUIT FROM SPACE 14001 THROUGH CMU WALL INTO BACK OF RECEPTACLE BOX.
10. FOR EWC-1. COORDINATE EXACT LOCATION WITH EQUIPMENT VENDOR.
11. ENSURE EXISTING WIRING IS TERMINATED TO NEW BREAKER (SAME SIZE AS EXISTING) IN NEW PANELBOARD.
12. IN THIS LOCATION, USE A SHALLOW ELECTRICAL BOX TO ENSURE RECEPTACLE IS FLUSH WITH WALL PANELLING. SEE ARCHITECTURAL.
13. FOR ADA DOOR OPENER. COORDINATE LOCATION WITH EQUIPMENT VENDOR.



**1 BOS CHAMBER POWER/DATA WALL OUTLET (TYP)**  
E301/E301 SCALE: NOT TO SCALE

**FLOOR PLAN - POWER**  
SCALE: 1/4" = 1'-0"



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NOT FOR CONSTRUCTION  
8/4/20

COUNTY OF HARRISON, VIRGINIA 101 NORTH MAIN STREET HARRISON, VA 22727		BUILDING 414 FLOOR PLAN - POWER & FDAS	
Norman Smith Architecture 1341 S. Main Street, Suite 100 Harrison, VA 22727 T 202 462 5986 www.normansmitharchitecture.com	MASTER ARCHITECTURE & DESIGN 101 NORTH MAIN STREET HARRISON, VA 22727	Revision No. 6 Date 07/15/20 Description Client/BOS Review	Revision No. 5 Date 07/08/20 Description AE Progress
Revision No. 4 Date 07/08/20 Description AE Progress	Revision No. 3 Date 06/25/20 Description AE Progress	Revision No. 2 Date 06/25/20 Description DD Progress	Revision No. 1 Date 06/25/20 Description DD Progress
Revision No. 1 Date 06/25/20 Description DD Progress	Revision No. 1 Date 06/25/20 Description DD Progress	Revision No. 1 Date 06/25/20 Description DD Progress	Revision No. 1 Date 06/25/20 Description DD Progress

# PANEL "MDF" SCHEDULE (NOTE 1)

**PANELBOARD CHARACTERISTICS:**

VOLTS: 120/240  
 PHASES: 1  
 WIRES: 3  
 MINIMUM SHORT CIRCUIT RATING: 77,777 RMS SYM AMPS  
 MAIN BREAKER: 2P, 800 AF, 800 AT

CKT. NO.	POLE NO.	DESCRIPTION	CONN. KVA	CONN. AMPS		BREAKER			NO. & WIRE SIZE			CONDUIT SIZE
				L1	L2	P	AF	AT	LINE	NEUT.	EGC	
1	1	PANEL "A"										
5	3	AHU-3				2	250	200	ETR	ETR	ETR	ETR
9	7	AHU-1				2	100	50	#8	-	#10	1"
13	11	AHU-4				2	100	90	ETR	ETR	ETR	ETR
17	13	HP-1				2	100	20	#12	-	#12	3/4"
21	15	HP-2				2	100	20	#12	-	#12	3/4"
25	17	SPACE & BUS										
27	19											
29	21											
31	23											
33	25											
35	27											
37	29											
39	31											
2	33	PANEL "B"				2	250	200	REWORK			
4	35	AHU-4				2	100	60	ETR	ETR	ETR	ETR
6	37	AHU-4				2	100	60	ETR	ETR	ETR	ETR
10	39	AHU-2				2	100	50	#8	-	#10	1"
12	41	HP-3				2	100	60	ETR	ETR	ETR	ETR
14	43	HP-4				2	100	50	ETR	ETR	ETR	ETR
16	45	SPACE & BUS										
22	47											
26	49											
28	51											
30	53											
32	55											
34	57											
36	59											
38	61											
40	63											
TOTALS												

# PANEL "A" SCHEDULE (NOTE 1)

**PANELBOARD CHARACTERISTICS:**

VOLTS: 120/240  
 PHASES: 1  
 WIRES: 3  
 MINIMUM SHORT CIRCUIT RATING: 22,000 RMS SYM AMPS  
 MAIN BREAKER: 200 AMP

CKT. NO.	POLE NO.	DESCRIPTION	CONN. KVA	CONN. AMPS		BREAKER			NO. & WIRE SIZE			CONDUIT SIZE
				L1	L2	P	AF	AT	LINE	NEUT.	EGC	
1	1	REC. MEETING 10H06	1.20	10.0		1	100	20	#12	#12	#12	3/4"
3	3	REC. RECEPT. 10D01	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
5	5	REC. EXTERIOR	1.20	10.0		1	100	20	#12	#12	#12	3/4"
7	7	REC. TREAS OPEN OFFICE 10D02	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
9	9	REC. TREAS OPEN OFFICE 10D02	1.20	10.0		1	100	20	#12	#12	#12	3/4"
11	11	REC. BREAK 10C01	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
13	13	REC. TREAS OPEN OFFICE 10D02	1.20	10.0		1	100	20	#12	#12	#12	3/4"
15	15	REC. TREAS OPEN OFFICE 10D02	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
17	17	REC. TREAS OPEN OFFICE 10D02	1.20	10.0		1	100	20	#12	#12	#12	3/4"
19	19	REC. BREAK 10C01	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
21	21	REC. TREAS OPEN OFFICE 10D02	1.20	10.0		1	100	20	#12	#12	#12	3/4"
23	23	REC. STORIEQUIP 10D05	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
25	25	REC. OFFICE 10H06	1.20	10.0		1	100	20	#12	#12	#12	3/4"
27	27	REC. TELE BACKBOARD 10D03	ETR	ETR	ETR	1	100	20	ETR	ETR	ETR	ETR
29	29	TIME CLOCK EXTERIOR POLE LIGHTS 10D03	ETR	ETR	ETR	1	100	20	ETR	ETR	ETR	ETR
31	31											
33	33	REC. CONF 10H06	1.20	10.0		1	100	20	#12	#12	#12	3/4"
35	35	REC. CONF 10H06	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
37	37	REC. CONF 10H06	1.20	10.0		1	100	20	#12	#12	#12	3/4"
39	39	ADA DOOR OPENER	0.60		5.0	1	100	20	#12	#12	#12	3/4"
2	2	SPARE				2	100	20	ETR	ETR	ETR	ETR
4	4											
6	6	ELECTRIC WATER HEATER DWH-1 10D03	4.50	18.8	18.8	2	100	30	#10	-	#10	3/4"
8	8											
10	10	LIGHTING INVERTER "INV14"	0.67	5.6		1	100	20	#12	#12	#12	3/4"
12	12	LIGHTS: 10A01 - 10A07	0.40		3.4	1	100	20	#12	#12	#12	3/4"
14	14	LIGHTS: 10B01 - 10B04	0.32	2.7		1	100	20	#12	#12	#12	3/4"
16	16	SPARE				1	100	20				
18	18	SPARE				1	100	20				
20	20	FACE 10D02	1.00		10.0	1	100	20	ETR	ETR	ETR	ETR
22	22	SEWAGE EJECTOR PUMP	ETR	ETR		2	100	30	ETR	ETR	ETR	ETR
24	24											
26	26	HUMIDIFIER AIR CLEANER										
28	28	HOT WATER RECIRC PUMP HWRP-1	0.05		0.4	1*	100	20	#12	#12	#12	3/4"
30	30	REC. VAULT 10D01	1.20	10.0		1	100	20	#12	#12	#12	3/4"
32	32	REC. ATTIC ATTIC FAN	ETR		ETR	1	100	20	ETR	ETR	ETR	ETR
34	34	SPACE AND BUS										
36	36											
38	38											
40	40											
TOTALS			27.94	127.0	107.6							

# PANEL "B" SCHEDULE (NOTE 1)

**PANELBOARD CHARACTERISTICS:**

VOLTS: 120/240  
 PHASES: 1  
 WIRES: 3  
 MINIMUM SHORT CIRCUIT RATING: 10,000 RMS SYM AMPS  
 SOLID NEUTRAL  
 GROUND BAR  
 MAIN BREAKER: 2P, 200 AF, 200 AT

CKT. NO.	POLE NO.	DESCRIPTION	CONN. KVA	CONN. AMPS		BREAKER			NO. & WIRE SIZE			CONDUIT SIZE
				L1	L2	P	AF	AT	LINE	NEUT.	EGC	
1	1	REC. OFFICE 10A05	1.20	10.0		1	100	20	#12	#12	#12	3/4"
3	3	REC. OFFICE 10A06	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
5	5	REC. BLDG & ZN 10A02	1.20	10.0		1	100	20	#12	#12	#12	3/4"
7	7	REC. BLDG & ZN 10A02	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
9	9	REC. OFFICE 10A03	1.20	10.0		1	100	20	#12	#12	#12	3/4"
11	11	REC. LOGGY 10H01, RECEPT 10A01	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
13	13	REC. RESTRM 10H03, 10H04	1.20	10.0		1	100	20	#12	#12	#12	3/4"
15	15	REC. OFFICE 10A07	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
17	17	REC. PLOTTER 10H02	1.20	10.0		1	100	20	#12	#12	#12	3/4"
19	19	REC. FILE 10A04	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
21	21	REC. COPY 10H02	1.20	10.0		1	100	20	#12	#12	#12	3/4"
23	23	REC. COPPIER 10H02	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
25	25	REC. EXTERIOR	1.20	10.0		1	100	20	#12	#12	#12	3/4"
27	27	REC. COR OPEN OFFICE 10B02	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
29	29	REC. COR OPEN OFFICE 10B02	1.20	10.0		1	100	20	#12	#12	#12	3/4"
31	31	REC. COR OPEN OFFICE 10B02	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
33	33	REC. COR OPEN OFFICE 10B02	1.20	10.0		1	100	20	#12	#12	#12	3/4"
35	35	REC. FILE 10B03, SEC FILE 10B04	1.20	10.0	10.0	1	100	20	#12	#12	#12	3/4"
37	37	REC. RECEPT 10B01	1.20	10.0		1	100	20	#12	#12	#12	3/4"
39	39	EW-1	0.06		5.0	1	100	20	#12	#12	#12	3/4"
2	2	SPARE				2	100	20				
4	4											
6	6	SPARE				2	100	20				
8	8											
10	10	LIGHTS: 10H01-10H06, 10C01, 10C02, EFT, EPT	0.44	3.9		1	100	20	#12	#12	#12	3/4"
12	12	LIGHTS: 10D01, 10D07	0.44		3.7	1	100	20	#12	#12	#12	3/4"
14	14	SPARE				1	100	20				
16	16	SPARE				1	100	20				
18	18	LIGHTS ATTIC LIGHTS	ETR	ETR		1	100	20	ETR	ETR	ETR	ETR
20	20	REC ATTIC FAN	ETR		ETR	1	100	20	ETR	ETR	ETR	ETR
22	22	SPARE				1	100	15				
24	24											
26	26	SPARE				1	100	20				
28	28	SPARE				1	100	20				
30	30	SPARE				1	100	20				
32	32	SPARE				1	100	2				

### PANEL "A" SCHEDULE (REPLACES EXISTING)

**PANELBOARD CHARACTERISTICS:**

VOLTS: 120/208  
 PHASES: 3  
 WIRES: 4

SOLID NEUTRAL  
 GROUND BAR  
 MAIN BREAKER: 600 AF, 600 AT  
 SURGE PROTECTIVE DEVICE

CKT. NO.	POLE NO.	DESCRIPTION	CONN. KVA	CONN. AMPS			BREAKER			NO. & WIRE SIZE			CONDUIT SIZE		
				A	B	C	P	AF	AT	PHASE	NEUT.	EGC			
3	1	PANEL "C"	27.67	76.4			3	125	125	#1/0	#1/0	#6	2"		
	3				75.7									#1/0	
	5					78.6									#1/0
9	7	AHU-1	ETR	ETR			3	100	50	ETR	ETR	ETR	ETR		
	9				ETR										
	11					ETR									(NOTE 1)
15	13	AHU-2	7.02	34.0			3	100	40	#8	-	#10	1"		
	15				34.0									#8	
	17					34.0									#8
19	19	AHU-3	8.32	40.0			2	100	50	#8	-	#10	3/4"		
	21				40.0									#8	
	23					30.0									#8
27	27	HP-3	2.29		11.0		2	100	20	#12	#12	#12	3/4"		
	29					11.0								#12	
	2					ETR									
4	4	AHU-5	ETR		ETR		3	100	80	ETR	ETR	ETR	ETR		
	6					ETR									(NOTE 1)
	8									ETR					
10	10	AHU-6	ETR		ETR		3	100	50	ETR	ETR	ETR	ETR		
	12					ETR									(NOTE 1)
	14									ETR					
16	16	HP-1	ETR		ETR		3	100	50	ETR	ETR	ETR	ETR		
	18					ETR									(NOTE 1)
	20									ETR					
20	20	HP-2	7.49	36.0			2	100	60	#6	-	#10	1"		
	22				36.0									#6	
	24														
26	26	SPACE & BUS	2.29	11.0			1	100	20	#12	#12	#12	3/4"		
	28				11.0									#12	
	30														
30	30	SPARE					1	100	20						
SUB-FEED BREAKER "PANEL "B"			31.55	101.6	96.6		3	225	225	#4/0	#4/0	#4	3"		
					70.4					#4/0					
	TOTALS		92.87	329.0	304.3	224.0									

### PANEL "B" SCHEDULE (REPLACES EXISTING)

**PANELBOARD CHARACTERISTICS:**

VOLTS: 120/208  
 PHASES: 3  
 WIRES: 4

SOLID NEUTRAL  
 GROUND BAR  
 MAIN LUGS: 225 AMPERES

CKT. NO.	POLE NO.	DESCRIPTION	CONN. KVA	CONN. AMPS			BREAKER			NO. & WIRE SIZE			CONDUIT SIZE	
				A	B	C	P	AF	AT	PHASE	NEUT.	EGC		
3	1	HP-5	ETR	ETR			3	100	40	ETR	ETR	ETR	ETR	
	3				ETR									
	5					ETR								
9	7	HP-6	ETR	ETR			3	100	40	ETR	ETR	ETR	ETR	
	9				ETR									
	11					ETR								
13	13	WATER HEATER	4.50	21.6			2*	100	30	#10	#10	#10	3/4"	
	15				21.6									#10
	17					0.4								
17	17	REC:IRC PUMP HWRP-1	0.05				1*	100	20	#12	#12	#12	3/4"	
19	19	SPARE					1	100	20					
21	21	SPARE					1	100	20					
23	23	SPARE					1	100	20					
25	25	SPARE					1	100	20					
27	27	SPARE					1	100	20					
29	29	SPARE					1	100	20					
31	31	REC: NORTH EXTERIOR	1.2	10.0			1	100	20	#12	#12	#12	3/4"	
33	33	ADA DOOR OPENER	0.6		5.0		1	100	20	#12	#12	#12	3/4"	
35	35	REC: PLUGMOLD CONF 14H02	1.2			10.0	1	100	20	#12	#12	#12	3/4"	
37	37	SPARE					1	100	20					
39	39	SPARE					1	100	20					
41	41	SPARE					1	100	20					
2	2	REC: OFFICE 14D01	1.20	10.0			1	100	20	#12	#12			
4	4	REC: PLUGMOLD OFFICE 14D01	1.20		10.0		1	100	20	#12	#12	#12	3/4"	
6	6	REC: PLUGMOLD OFFICE 14D01	1.20			10.0	1	100	20	#12	#12			
8	8	REC: OFFICE 14H04	1.20	10.0			1	100	20	#12	#12			
10	10	REC: OFFICE 14H04	1.20		10.0		1	100	20	#12	#12	#12	3/4"	
12	12	REC: MEN 14H07, WOMEN 14H08, CORR 14H01	1.20			10.0	1	100	20	#12	#12			
14	14	REC: BREAK 14H03	1.20	10.0			1	100	20	#12	#12			
16	16	REC: BREAK 14H03	1.20		10.0		1	100	20	#12	#12	#12	3/4"	
18	18	REC: BREAK 14H03	1.20			10.0	1	100	20	#12	#12			
20	20	REC: CONF 14H02	1.20	10.0			1	100	20	#12	#12			
22	22	REC: FLOOR CONF 14H02	1.20		10.0		1	100	20	#12	#12	#12	3/4"	
24	24	REC: TV, CH. CONF 14H02	1.20			10.0	1	100	20	#12	#12			
26	26	REC: REC UTIL 14H05	1.20	10.0			1	100	20	#12	#12	#12	3/4"	
28	28	REC: CORRIDOR 14H09 COPIER	1.20		10.0		1	100	20	#12	#12	#12	3/4"	
30	30	REC: WATER COOLER	1.20			10.0	1	100	20	#12	#12	#12	3/4"	
32	32	REC: NORTH WALL BOS 14A01	1.20	10.0			1	100	20	#12	#12	#12	3/4"	
34	34	REC: SOUTH WALL BOS 14A01	1.20		10.0		1	100	20	#12	#12	#12	3/4"	
36	36	REC: PROJECTOR SCREEN BOS 14A01	1.20			10.0	1	100	20	#12	#12	#12	3/4"	
38	38	REC: DAIS BOS 14A01	1.20	10.0			1	100	20	#12	#12	#12	3/4"	
40	40	REC: DAIS BOS 14A01	1.20		10.0		1	100	20	#12	#12	#12	3/4"	
42	42	REC: AUDIO MIXER, DAIS BOS 14A01					1	100	20					
TOTALS			31.55	101.6	96.6	70.4								

### PANEL "C" SCHEDULE (REPLACES EXISTING)

**PANELBOARD CHARACTERISTICS:**

VOLTS: 120/208  
 PHASES: 3  
 WIRES: 4

SOLID NEUTRAL  
 GROUND BAR  
 MAIN LUGS: 125 AMPERES

CKT. NO.	POLE NO.	DESCRIPTION	CONN. KVA	CONN. AMPS			BREAKER			NO. & WIRE SIZE			CONDUIT SIZE
				A	B	C	P	AF	AT	PHASE	NEUT.	EGC	
1	1	LIGHTING INVERTER "INV14"	0.44	3.7			1	100	20	#12	#12	#12	3/4"
3	3	LIGHTS: BOS 14A01 (DOWNLIGHTS)	0.24		2.0		1	100	20	#12	#12	#12	3/4"
5	5	LIGHTS: BOS 14A01 (2x4)	0.45			3.8	1	100	20	#12	#12	#12	3/4"
7	7	LIGHTS: 14B01 - 14B08	0.32	2.7			1	100	20	#12	#12	#12	3/4"
9	9	LIGHTS: 14C01 - 14C06, 14D01, 14D02	0.44		3.7		1	100	20	#12	#12	#12	3/4"
11	11	LIGHTS: 14H01 - 14H09	0.58			4.8	1	100	20	#12	#12	#12	3/4"
13	13	LIGHTS: NOTE 2					1	100	20	#12	#12	#12	3/4"
15		SPACE AND BUS ONLY											
17		"											
19		"											
21		"											
23		"											
25		"											
27		"											
29		"											
31		"											
33		"											
35		"											
37		"											
39		"											
41		"											
2	2	REC: PLUGMOLD STOR 14B02	1.20	10.0			1	100	20	#12	#12		
4	4	REC: PLUGMOLD OFFICE 14B03	1.20		10.0		1	100	20	#12	#12	#12	3/4"
6	6	REC: VOTE REG. 14B01	1.20			10.0	1	100	20	#12	#12		
8	8	REC: PLUGMOLD OFFICE 14B04	1.20	10.0			1	100	20	#12	#12		
10	10	REC: STOR 14B05 - 14B08	1.20		10.0		1	100	20	#12	#12	#12	3/4"
12	12	REC: OFFICE 14C02	1.20			10.0	1	100	20	#12	#12		
14	14	REC: PLUGMOLD OFFICE 14C02	1.20	10.0			1	100	20	#12	#12		
16	16	REC: EQUIP 14C03	1.20		10.0		1	100	20	#12	#12	#12	3/4"
18	18	REC: OFFICE 14C02	1.20			10.0	1	100	20	#12	#12		
20	20	REC: PLUGMOLD STOR/EQUIP 14C104	1.20	10.0			1	100	20	#12	#12		
22	22	REC: PLUGMOLD OFFICE 14C05	1.20		10.0		1	100	20	#12	#12	#12	3/4"
24	24	REC: PLUGMOLD OFFICE 14C05	1.20			10.0	1	10					