

SYMBOLS

CONDUIT CONTINUATION, CONDUIT CONCEALED IN WALL OR CEILING, CONDUIT EXISTING, CONDUIT CONCEALED UNDERGROUND, HOMERUN, CONDUIT STUB DOWN, STUB THROUGH, CONDUIT STUB UP, JUNCTION BOX (NEW, EXISTING, DEMO), ELECTRICAL DISTRIBUTION PANELBOARD, EQUIPMENT ENCLOSURE AS NOTED, SIMPLEX RECEPTACLE, DUPLEX RECEPTACLE (NEW, EXISTING, DEMO), DOUBLE DUPLEX RECEPTACLE, OVER-COUNTER RECEPTACLE, CONTROLLED RECEPTACLE, GFCCI RECEPTACLE, GFCCI OVER-COUNTER RECEPTACLE, GFCCI CONTROLLED RECEPTACLE, WEATHERPROOF GFCCI RECEPTACLE, OVER-COUNTER WEATHERPROOF GFCCI RECEPTACLE, ISOLATED GROUND RECEPTACLE, USB CHARGER/DUPLEX RECEPTACLE, OVER-COUNTER USB CHARGER/DUPLEX RECEPTACLE, CONTROLLED USB CHARGER/DUPLEX RECEPTACLE, HORIZONTAL FACEPLATE, FLOOR RECEPTACLE: FLUSH WITH COVER, FLUSH FLOOR BOX, DUPLEX RECEPTACLE, COMM/DATA, AVV, CEILING RECEPTACLE: FLUSH WITH CEILING, SPECIAL ELECTRICAL CONNECTION: COORDINATE REQUIREMENTS WITH EQUIPMENT BEING SERVED.

EMERGENCY EXIT SIGN CONNECTED THROUGH AN INVERTER TO A GENERATOR, SHARED QUARTER OF SYMBOL INDICATES LIGHTED EXIT ON THAT FACE, ARROWS INDICATE LIGHTED DIRECTIONAL ARROW ON THAT FACE, CONNECT TO UNWITCHED LOCAL LIGHTING CIRCUIT, FIXTURES WITH HALF-SHADING ARE EMERGENCY LIGHTS CONNECTED THROUGH AN INVERTER TO A GENERATOR, GENERATOR SHALL PROVIDE MINIMUM 1100 LUMENS PER FIXTURE FOR 90 MINUTES, FIXTURES SHALL BE SWITCHED WITH ROOM LIGHTS, UNCL. FIXTURES TO REMAIN ON AT LOSS OF POWER, FIXTURES WITH 'NL' SHALL BE EMERGENCY/NIGHT LIGHTS CONNECTED FOR 24 HOUR OPERATION, 2X4 LIGHT FIXTURE, 2X2 LIGHT FIXTURE, STRIP LIGHT FIXTURE, PENDANT FIXTURE, RECESSED DOWNLIGHT FIXTURE, WALL SCONCE, WALL MOUNTED FIXTURE, POST TOP LIGHT FIXTURE, POLE AND BASE, LIGHT FIXTURE CALLOUT, SWITCH 120/277 VOLT, 20 AMP, SWITCH X 2 - DOUBLE POLE-DOUBLE THROW, X 3 - THREE-WAY, X 4 - FOUR-WAY, X 5 - DIMMER, HORSEPOWER RATED SWITCH WITH THERMAL OVERLOADS SIZED AS REQUIRED BY EQUIPMENT LABEL RATING, K - KEY OPERATED, OV - LOW VOLTAGE MOMENTARY OVERRIDE SWITCH, OS - OCCUPANCY SENSOR PASSIVE INFRARED WALL SWITCH WITH A 30 MINUTE TIME DELAY, PROVIDE WITH STAINLESS STEEL FACEPLATE, WEATHERPROOF, WP - WEATHERPROOF, CEILING OCCUPANCY SENSOR, FLUSH WITH COVER, INTERIOR DAYLIGHT SENSOR, EXTERIOR PHOTOCELL, TELECOM SYSTEM SYMBOLS, SEE SPECIFICATIONS FOR CABLE AND PATHWAY REQUIREMENTS, TELEPHONE-DATA OUTLET (2) CABLES TO EACH LOCATION, UNCL. X DENOTES NUMBER OF CABLES, WIRELESS ACCESS POINT, SEE SPECIFICATIONS FOR CABLE AND PATHWAY REQUIREMENTS.

LIGHTING FIXTURE SCHEDULE

Table with columns: FIXTURE, ISIE, DESCRIPTION, MANUFACTURER, PART NUMBER, ELECTRICAL DATA, COLOR TEMP., LUMENS, MOUNTING. Includes rows for emergency 1x4 LED, 2x4 LED, 2x2 LED, 2x2 recessed LED, 2x4 recessed LED, exit sign, emergency 4-0 linear LED, 6-0 linear LED, 6-0 linear recessed LED, 6-0 linear recessed LED, 12-0 linear recessed LED, 12-0 linear recessed LED wall wash, 4-0 linear recessed LED wall wash, 21-1 3/4 linear recessed LED, 25 linear recessed LED, emergency 25 linear recessed LED, 28-7 1/2 linear recessed LED, 29-10 linear recessed LED, emergency 29-10 linear recessed LED, 12 linear recessed LED wall wash, 49-1 linear recessed LED, 9-4 linear recessed LED, 19-7 linear recessed LED, 4-0 linear wall mount LED, emergency 4-0 linear wall mount LED, 4-0 linear LED, configurable 3 head, entry pendant 2 fixture, entry pendant 3 fixture, entry pendant 4 fixture, 4 round downlight LED, emergency 4 round downlight LED, 6 square downlight LED, 8 square downlight LED, emergency 8 square downlight LED, 4 square downlight LED, emergency 6 square downlight LED, 2 square downlight LED, vanity LED, emergency wall pack LED, emergency wall pack LED, emergency wall pack LED, emergency wall pack LED, decorative wall pack LED up/down light.

SECURITY SYSTEM SYMBOLS

SECURITY CAMERA, STEM, CEILING, CORNER OR WALL MOUNT AS LOCATION DICTATES, COORDINATE LOCATION WITH ARCHITECT/OCCUPANT, SECURITY CAMERA 360, STEM, CEILING, CORNER OR WALL MOUNT AS LOCATION DICTATES, COORDINATE LOCATION WITH ARCHITECT/OCCUPANT, SECURITY CAMERA PTZ, STEM, CEILING, CORNER OR WALL MOUNT AS LOCATION DICTATES, COORDINATE LOCATION WITH ARCHITECT/OCCUPANT, INTERCOM, ACCESS CONTROL, PANIC ALARM.

ELECTRICAL ABBREVIATIONS

Table with columns: #PC, #P, MW, A, AC, ADA, AFF, AFG, AHJ, AMC, AL, ANN, AUX, AWG, C, CB, CD, CLG, CT, CU, DC, DPDT, DPST, EMT, EP, EWH, F, FACP, GFI, GND, HSA, HP, HVAC, IG, INC, JBOX, KCMIL, KO, KV, KVA, KW, KWH, LV, MCC, MDSB, MFC, MLO, NIA, NCL, NEC, NEMA, NESC, NO, NRTL, O.H., OC, OSHA, PF, PH, REV, RTU, SPT, SST, TTB, TVSS, UNCL, UPS, USB, V, VA, VFD, WP, XFR, XFR, YVP, Z.

LIGHTING CONTROL SYSTEMS COMMISSIONING

PRIOR TO PASSING FINAL INSPECTION, A REGISTERED DESIGN PROFESSIONAL SHALL PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURERS' INSTRUCTIONS PER 2018 IECC SECTION C408.3.1.

IDAHO POWER ENERGY REBATES

OWNER WILL BE PURSUING THE IDAHO POWER ENERGY EFFICIENCY INCENTIVE PROGRAM REBATES FOR NEW CONSTRUCTION AND MAJOR RENOVATION PROJECTS. THE CONTRACTOR SHALL PROVIDE CUT SHEETS AND OTHER SUPPORTING DOCUMENTATION AS REQUESTED BY IDAHO POWER TO SUPPORT OWNERS APPLICATION REGARDING LIGHTING AND CONTROLS. THIS INCLUDES PRE-APPLICATION BEFORE PROJECT IS COMPLETE AND FINAL APPLICATION WITH PROOF OF PURCHASE, INVOICES, SUBMITTALS, AND OTHER FORMS AND DOCUMENTS REGARDING INSTALLED EQUIPMENT WITHIN 90 DAYS OF PROJECT COMPLETION. CSHQA WILL PROVIDE THE PRELIMINARY APPLICATION, FINAL APPLICATION, AND SUPPORTING DOCUMENTATION TO IDAHO POWER.

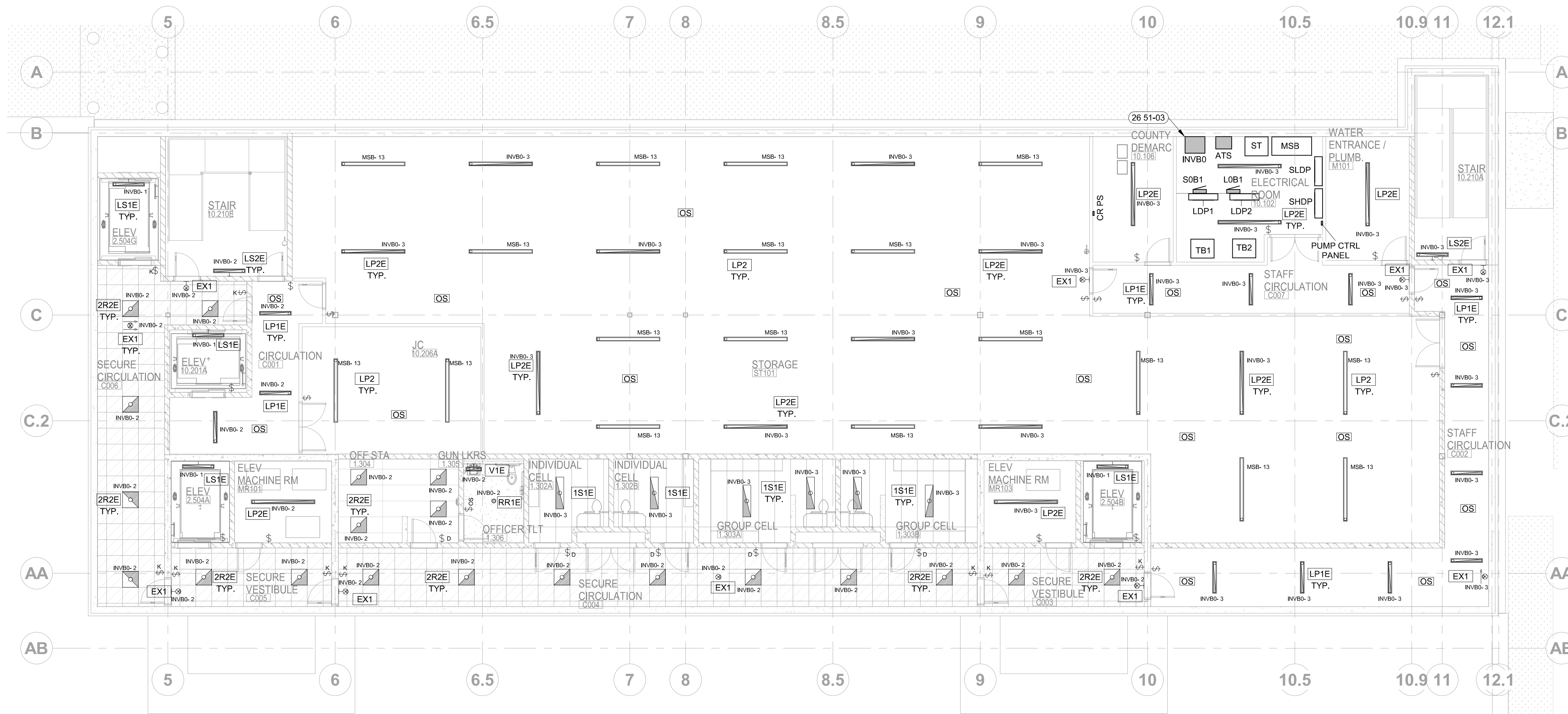
GENERAL NOTES:

- A. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE LOCALLY ADOPTED ELECTRICAL CODE, ALL LOCAL CODES, AND TO THE FULL ACCEPTANCE OF THE AUTHORITY HAVING JURISDICTION... B. BIDDERS SHALL VIEW THE SITE AND SHALL INCLUDE ALL COSTS INCURRED BY EXISTING CONDITIONS IN THE PROPOSAL... C. OBTAIN ALL PERMITS, COORDINATE, FURNISH, INSTALL, CONNECT AND TEST ALL ELECTRICAL EQUIPMENT REQUIRED FOR ALL THE SYSTEMS INSTALLED UNDER THIS CONTRACT... D. CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF AS-BUILT DRAWINGS... E. PROPOSED MODIFICATIONS OF ENGINEERED ELECTRICAL DRAWINGS SHALL BE APPROVED BY ENGINEER OF RECORD PRIOR TO PROCEEDING WITH WORK... F. DESIGN IS BASED ON BEST AVAILABLE INFORMATION... G. COORDINATE ALL ELECTRICAL WORK WITH ALL OTHER TRADES... H. COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL ELECTRICAL EQUIPMENT... I. CONTRACTOR SHALL COORDINATE WITH WALL TYPES AND FINISHES AND INSTALL EXTENSION RINGS AS REQUIRED... J. ALL MATERIALS AND EQUIPMENT FURNISHED TO THE PROJECT SHALL BE NEW AND SHALL BEAR THE LISTING LABEL OF A NATIONALLY RECOGNIZED TESTING LABORATORY... K. ALL ELECTRICAL BOXES, FITTINGS AND CABINETS SHALL BE OF STEEL CONSTRUCTION... L. ALL DEVICES (SWITCHES, RECEPTACLES, TELECOMMUNICATIONS) SHALL BE WHITE AND COVERPLATES SHALL BE BRUSHED STAINLESS STEEL... M. ALL CIRCUIT BREAKERS SUPPLYING MOTOR LOADS SHALL BE HACR RATED... N. ALL ELECTRICAL DEVICES AND TERMINALS SHALL BE RATED 75°C MINIMUM... O. ALL CONDUCTORS SHALL BE STRANDED COPPER, 800 VOLT RATED INSULATION TYPE SHALL BE THHN/THWN, FULLY COLOR CODED WITH GAUGE, TYPE AND MANUFACTURER MARKED EVERY 2' ALONG... P. MINIMUM SIZE WIRE FOR POWER AND LIGHTING CIRCUITS SHALL BE #12 AWG, UNCL. CONDUCTOR SIZE SHALL BE CONTINUOUS THROUGHOUT THE ENTIRE LENGTH OF THE CIRCUIT... Q. ALL CIRCUITS SHALL HAVE AN INDEPENDENT NEUTRAL CONDUCTOR... R. ALL CONDUITS SHALL CONTAIN A GROUND CONDUCTOR SIZED PER NEC... S. ALL POWER AND LIGHTING CONDUCTORS SHALL BE RATED IN 3/4" CONDUIT MINIMUM... T. CONDUIT AND WIRE FOR FEEDER OR BRANCH CIRCUITS SHALL NOT BE RUN ON OR ABOVE THE ROOF... U. ROUTE ALL CONDUIT HOME RUNS TO PANELS OVERHEAD AND ABOVE ACCESSIBLE CEILING... V. INSTALL CONDUIT A MINIMUM OF 4" BELOW BOTTOM OF CONCRETE SLAB... W. ALL EQUIPMENT, SWITCHING DEVICES AND PANELS SHALL BE MOUNTED SO AS TO BE ACCESSIBLE AND SHALL BE MOUNTED FLUSH AND SQUARE WITH WALLS... X. BOXES MOUNTED IN A COMMON WALL SHALL BE OFFSET A MINIMUM OF 12" OR MOUNTED IN ADJACENT STUD SPACES... Y. ALL ELECTRICAL EQUIPMENT, RACEWAY, FIXTURE AND DEVICE SUPPORTS SHALL BE CAPABLE OF SUSTAINING NOT LESS THAN FOUR (4) TIMES THE ULTIMATE WEIGHT OF THE OBJECT OR OBJECTS... Z. FURNISH AND INSTALL SAFETY WIRES AT ALL LIGHT FIXTURES INSTALLED IN A SUSPENDED CEILING... AA. MOUNTING METHODS INDICATED AND REFERRED TO ARE MINIMUM CODE REQUIREMENTS... BB. DEVICES AND RACEWAYS PENETRATING FIRE RATED WALLS AND FLOORS SHALL BE SEALED WITH FIRE RESISTIVE MATERIAL... CC. FURNISH AND INSTALL A PULL CORD IN ALL EMPLOY CONDUITS... DD. MAKE ALL CONNECTIONS TO EQUIPMENT PER MANUFACTURERS REQUIREMENTS... EE. ALL CONDUCTORS IN ELECTRICAL PANELS, CABINETS AND EQUIPMENT SHALL BE NEATLY TRAINED AND LACED... FF. CLEARLY LABEL ALL ACCESSIBLE CONDUIT STUBS WITH THE SYSTEM NAME AND LOCATION... GG. ALL JUNCTION BOX COVERS WITH POWER WIRING SHALL HAVE THE PANEL AND CIRCUIT LABELED ON THE OUTSIDE SURFACE... HH. THE CONTRACTOR SHALL PROVIDE TYPED CIRCUIT PANEL DIRECTORIES FOR ALL PANELS... II. THE CONTRACTOR SHALL PROVIDE SUBMITTALS TO THE CONSTRUCTION MANAGER FOR APPROVAL BY ARCHITECT AND ENGINEER PRIOR TO ORDERING EQUIPMENT...

DRAWING INDEX

Table with columns: ELECTRICAL, E00, E01, E02, E03, E10, E11A, E11B, E12, E20, E21A, E21B, E22, E23A, E23B, E30, E31A, E31B, E32, E40, E41A, E41B, E42, E50, E51A, E51B, E52, E71, E80, E81, E82, E83, E84, E85, SITE ELECTRICAL, ES10.

Professional Engineer, THERON W. WARD JUDICIAL BUILDING REMODEL & EXPANSION 427 Shoshone St N Twin Falls, ID 83702, PROJECT 21403.000, DATE 04-17-23, DRAWN HLG, CHECKED JLB, REVISED, SHEET TITLE, ELECTRICAL SYMBOLS & ABBREV., SHEET, E00, ORIGINAL SHEET SIZE 36" x 48"



1 LIGHTING PLAN - BASEMENT
1/8" = 1'-0"

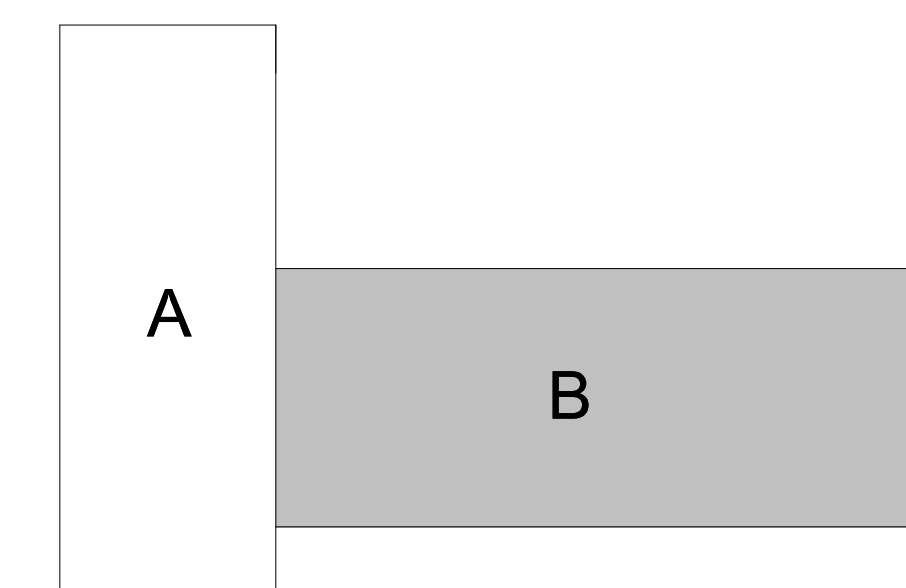
GENERAL NOTES:

- A. REFER TO SHEET E00 FOR LIGHTING FIXTURE SCHEDULE AND SHEET E01 LIGHTING CONTROL SCHEDULE. SEE SHEET E00 FOR DEVICE AND SYMBOL SCHEDULE.
- B. ALL CONDUITS WITH CIRCUIT CONDUCTORS SHALL HAVE A COPPER EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH N.E.C. 250.
- C. FURNISH AND INSTALL SAFETY WIRES AT ALL LIGHT FIXTURES INSTALLED IN A SUSPENDED CEILING.
- D. MOUNTING METHODS INDICATED AND REFERRED TO ARE MINIMUM CODE REQUIREMENTS. COMPLY WITH LOCAL CODES FOR ADDITIONAL SEISMIC RESTRAINTS.
- E. INSTALL HORIZONTAL SEISMIC BRACING WITH AIRCRAFT CABLING FOR SUSPENDED LIGHT FIXTURES AS REQUIRED BY CODE AND THE AUTHORITY HAVING JURISDICTION.
- F. ALL LIGHTING CIRCUITS HOMERUNS ARE TO BE 3/4" CONDUIT MINIMUM WITH BRANCH CIRCUIT #10 AND GROUNDING CONDUCTOR #10 UNLESS OTHERWISE NOTED.
- G. COORDINATE HOMERUN CIRCUIT NUMBERS WITH PANEL SCHEDULES. RE: SHEET E00-E05.
- H. LEAVE PROTECTIVE COVER ON LIGHTS UNTIL TURNOVER TO PROTECT AGAINST DUST.
- I. REVIEW LIGHTING REFLECTIVE CEILING PLAN AT TURNOVER AND IDENTIFY ANY MISSING OR NON WORKING FIXTURES.
- J. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR FINAL LOCATION OF ALL CEILING MOUNTED ITEMS. REFER TO ARCHITECTURAL ELEVATIONS AND SECTIONS FOR MOUNTING HEIGHTS OF WALL OR COLUMN MOUNTED FIXTURES AND DEVICES.

SHEET NOTES:

26 51-03 FURNISH AND INSTALL 2,750W KOTA HS SERIES INVERTER OR EQUAL FOR BATTERY BACK UP OF EGRESS LIGHTING.

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
LOCAL: 200 BROAD STREET, BOISE, ID 83702
PROJECT: 200 BROAD STREET, BOISE, ID 83702



CSHQA
THERON W. WARD JUDICIAL BUILDING
REMODEL & EXPANSION 427 Shoshone St N Twin Falls, ID
200 BROAD STREET
BOISE, ID 83702
(208) 345-4635 • FAX (208) 345-1656
http://www.cshqa.com

AGENCY REVIEW SET

PROJECT	DATE
21403.000	04-17-23
DRAWN	CHECKED
HLG	JLB

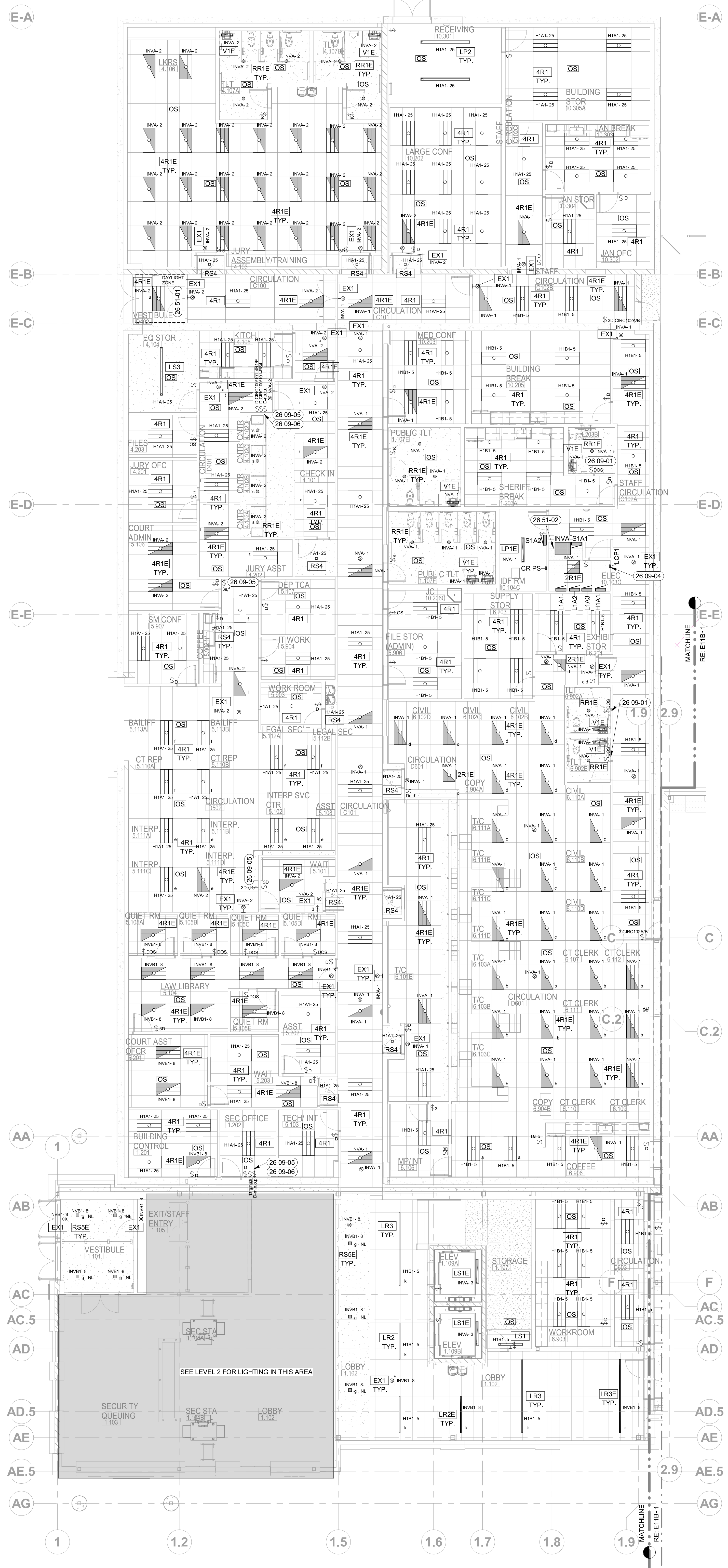
REVISED

SHEET TITLE
LIGHTING PLAN BASEMENT

SHEET

E10

ORIGINAL SHEET SIZE
36" x 48"



1 LIGHTING PLAN - LEVEL 1, AREA A
1/8" = 1'-0"

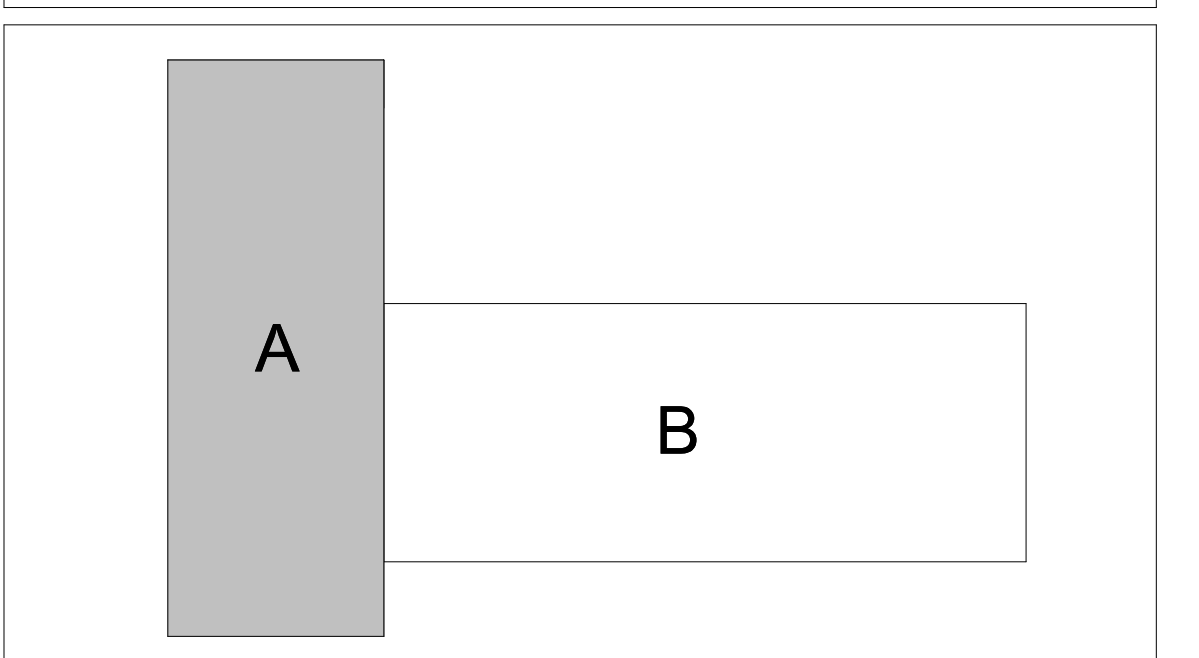
GENERAL NOTES:

- A. REFER TO SHEET E00 FOR LIGHTING FIXTURE SCHEDULE AND SHEET E01 LIGHTING CONTROL SCHEDULE. SEE SHEET E00 FOR DEVICE AND SYMBOL SCHEDULE.
- B. ALL CONDUITS WITH CIRCUIT CONDUCTORS SHALL HAVE A COPPER EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH N.E.C. 250.
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- D. MOUNTING METHODS INDICATED AND REFERRED TO ARE MINIMUM CODE REQUIREMENTS. COMPLY WITH LOCAL CODES FOR ADDITIONAL SEISMIC RESTRAINTS.
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- F. ALL LIGHTING CIRCUITS HOMERUNS ARE TO BE 3/4" CONDUIT MINIMUM WITH BRANCH CIRCUIT #10 AND GROUNDING CONDUCTOR #10 UNLESS OTHERWISE NOTED.
- G. COORDINATE HOMERUN CIRCUIT NUMBERS WITH PANEL SCHEDULES. RE: SHEET E00-E05.
- H. LEAVE PROTECTIVE COVER ON LIGHTS UNTIL TURNOVER TO PROTECT AGAINST DUST.
- I. REVIEW LIGHTING REFLECTIVE CEILING PLAN AT TURNOVER AND IDENTIFY ANY MISSING OR NON WORKING FIXTURES.
- J. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR FINAL LOCATION OF ALL CEILING MOUNTED ITEMS. REFER TO ARCHITECTURAL ELEVATIONS AND SECTIONS FOR MOUNTING HEIGHTS OF WALL OR COLUMN MOUNTED FIXTURES AND DEVICES.

SHEET NOTES:

- 26 09-01 FURNISH AND INSTALL 2 POLE DIMMING OCCUPANCY SENSOR LIGHT SWITCH TO CONTROL FAN AND LIGHTING.
- 26 09-04 FURNISH AND INSTALL LIGHTING CONTROL PANEL WITH ASTRONOMICAL TIME CLOCK FOR CONTROL OF EXTERIOR LIGHTS PER 2018 IECC REQUIREMENTS.
- 26 09-05 SEE SWITCH DETAIL SHEET E71.
- 26 09-06 COORDINATE FINAL LOCATION OF LIGHT SWITCHES FOR PUBLIC SPACES WITH OWNER PRIOR TO ROUGH-IN.
- 26 51-01 DAYLIGHT-RESPONSIVE CONTROLS NOT REQUIRED IN THIS SPACE (LESS THAN 150 WATTS OF GENERAL LIGHTING).
- 26 51-02 FURNISH AND INSTALL 600WV VITA IS SERIES INVERTER OR EQUAL FOR BATTERY BACK UP OF EGRESS LIGHTING.

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
200 BROAD STREET
BOISE, ID 83702

JASON L. BRUNSON, P.E.
200 BROAD STREET
BOISE, IDAHO 83702
PHONE: (208) 345-4635 FAX: (208) 345-1656
WWW.CSHQA.COM



CSHQA
CONSTRUCTION SERVICES

200 BROAD STREET
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http://www.cshqa.com

Theron W. Ward Judicial Building
Remodel & Expansion 427 Shoshone St N Twin Falls, ID
CSHQA

AGENCY REVIEW SET

PROJECT	DATE
21403.000	04-17-23
DRAWN	CHECKED
HLG	JLB
REVISED	

SHEET TITLE
LIGHTING PLAN LEVEL 1 AREA A

SHEET

E11A

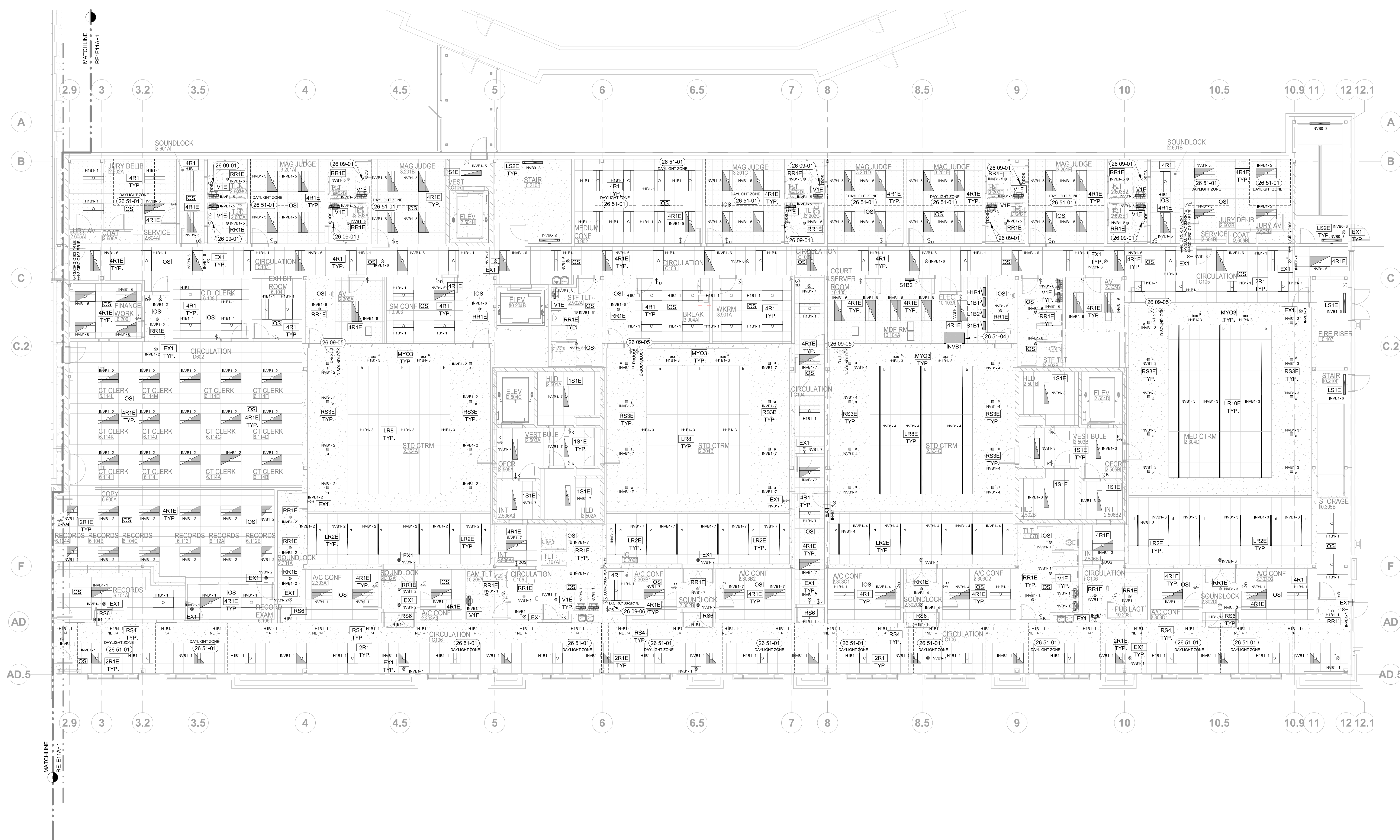
ORIGINAL SHEET SIZE
36" x 48"

GENERAL NOTES:

- A. REFER TO SHEET E00 FOR LIGHTING FIXTURE SCHEDULE AND SHEET E01 LIGHTING CONTROL SCHEDULE. SEE SHEET E00 FOR DEVICE AND SYMBOL SCHEDULE.
- B. ALL CONDUITS WITH CIRCUIT CONDUCTORS SHALL HAVE A COPPER EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH N.E.C. 250.
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- D. MOUNTING METHODS INDICATED AND REFERRED TO ARE MINIMUM CODE REQUIREMENTS. COMPLY WITH LOCAL CODES FOR ADDITIONAL SEISMIC RESTRAINTS.
- E. INSTALL HORIZONTAL SEISMIC BRACING WITH AIRCRAFT CABLING FOR SUSPENDED LIGHT FIXTURES AS REQUIRED BY CODE AND THE AUTHORITY HAVING JURISDICTION.
- F. ALL LIGHTING CIRCUITS HOMERUNS ARE TO BE 3/4" CONDUIT MINIMUM WITH BRANCH CIRCUIT #10 AND GROUNDING CONDUCTOR #10 UNLESS OTHERWISE NOTED.
- G. COORDINATE HOMERUN CIRCUIT NUMBERS WITH PANEL SCHEDULES. RE: SHEET E60-E85.
- H. LEAVE PROTECTIVE COVER ON LIGHTS UNTIL TURNOVER TO PROTECT AGAINST DUST.
- I. REVIEW LIGHTING REFLECTIVE CEILING PLAN AT TURNOVER AND IDENTIFY ANY MISSING OR NON WORKING FIXTURES.
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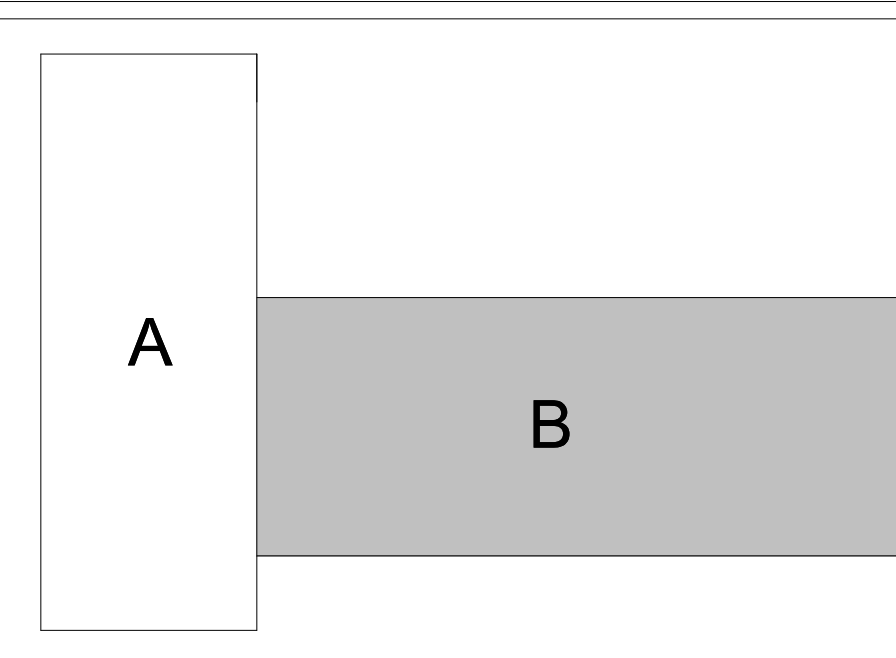
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- 26 09-06 COORDINATE FINAL LOCATION OF LIGHT SWITCHES FOR PUBLIC SPACES WITH OWNER PRIOR TO ROUGH-IN.
- 26 51-01 DAYLIGHT-RESPONSIVE CONTROLS NOT REQUIRED IN THIS SPACE (LESS THAN 150 WATTS OF GENERAL LIGHTING).
- 26 51-04 FURNISH AND INSTALL 12,500 WATT IOTA II SERIES INVERTER OR EQUAL FOR BATTERY BACK UP OF EGRESS LIGHTING.



1 LIGHTING PLAN - LEVEL 1, AREA B
1/8" = 1'-0"

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
200 BROAD STREET
BOISE, ID 83702

JASON L. BRUNSON, P.E.
200 BROAD STREET
BOISE, IDAHO 83702
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REMODEL & EXPANSION** 427 Shoshone St N Twin Falls, ID
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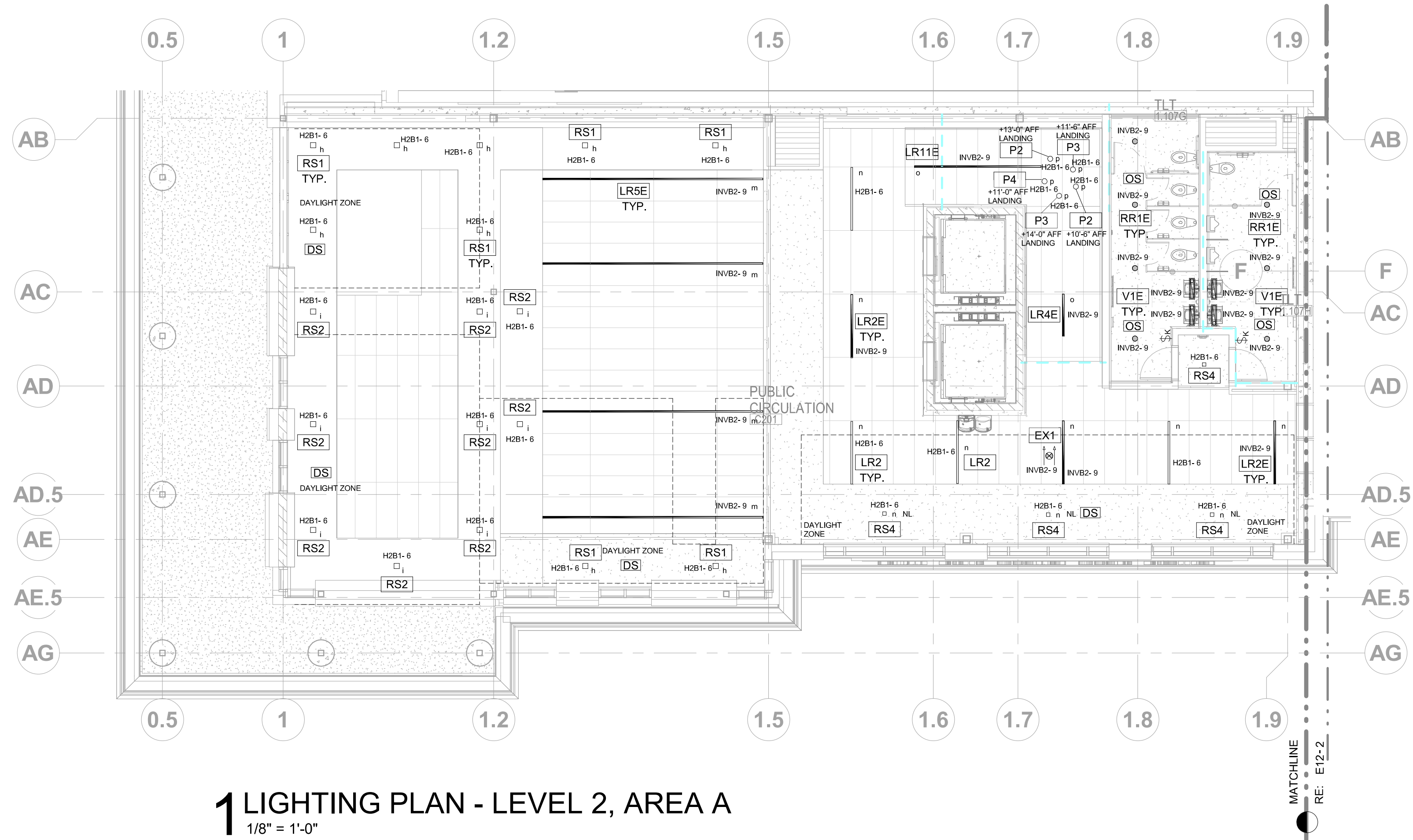
PROJECT	DATE
21403.000	04-17-23
DRAWN	CHECKED
HLG	JLB
REVISED	

SHEET TITLE
LIGHTING PLAN LEVEL 1 AREA B

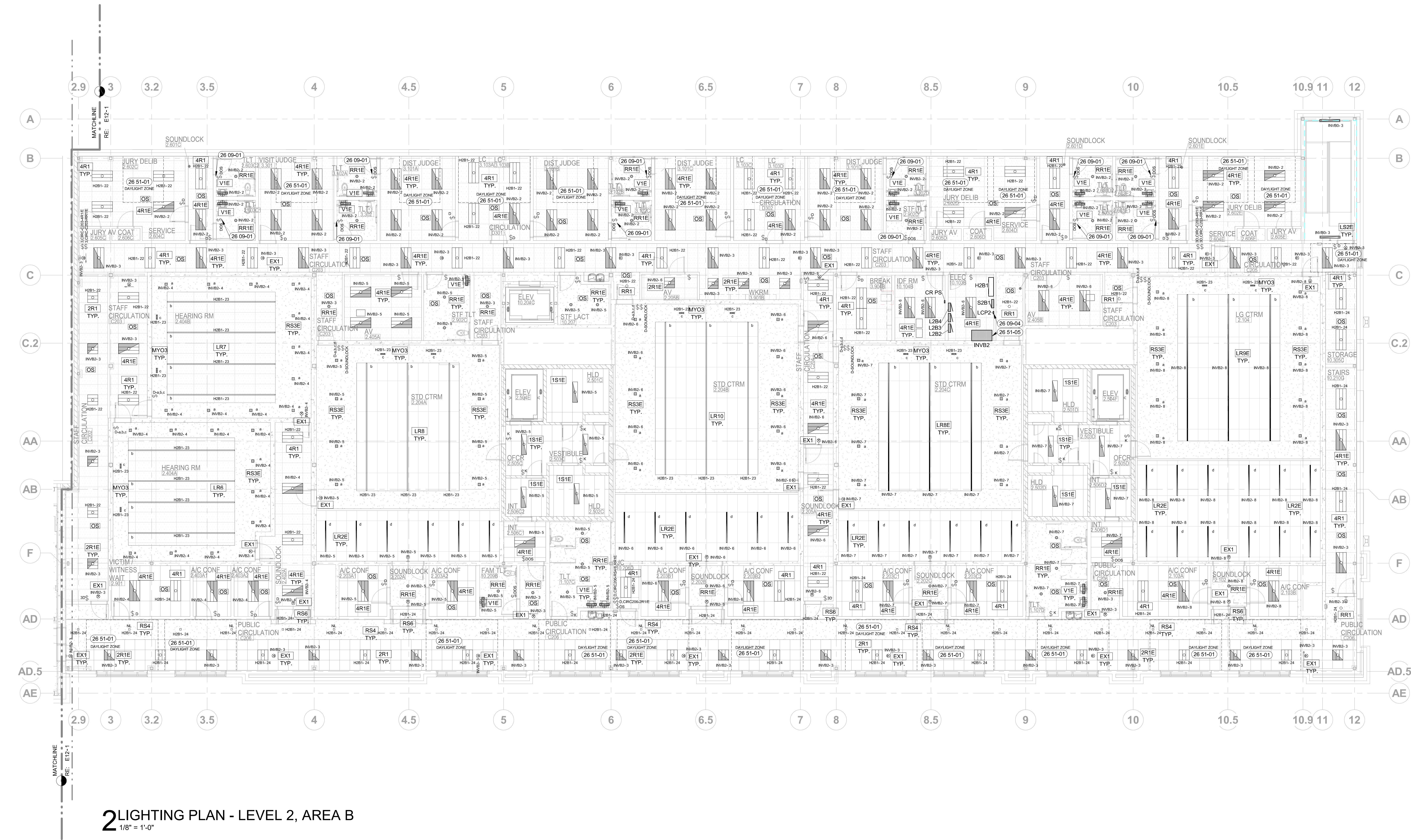
SHEET

E11B

ORIGINAL SHEET SIZE
36" x 48"



1 LIGHTING PLAN - LEVEL 2, AREA A
1/8" = 1'-0"



2 LIGHTING PLAN - LEVEL 2, AREA B
1/8" = 1'-0"

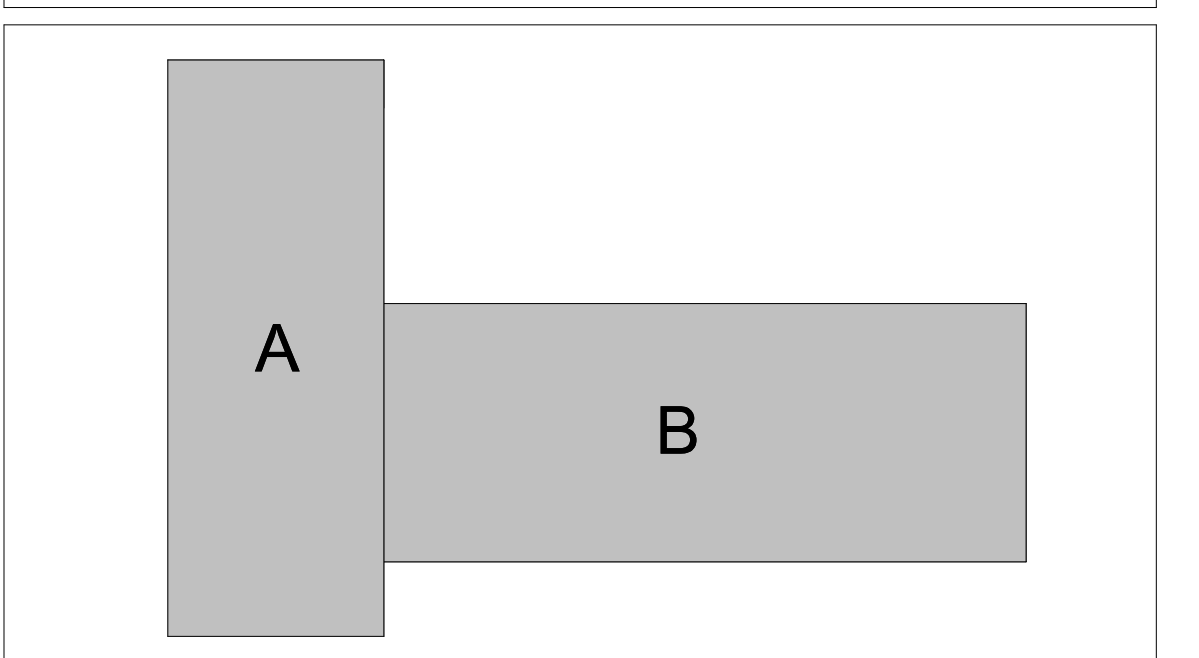
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- D. MOUNTING METHODS INDICATED AND REFERRED TO ARE MINIMUM CODE REQUIREMENTS. COMPLY WITH LOCAL CODES FOR ADDITIONAL SEISMIC RESTRAINTS.
- E. INSTALL HORIZONTAL SEISMIC BRACING WITH AIRCRAFT CABLE FOR SUSPENDED LIGHT FIXTURES AS REQUIRED BY CODE AND THE AUTHORITY HAVING JURISDICTION.
- F. ALL LIGHTING CIRCUITS HOMERUNS ARE TO BE 3/4" CONDUIT MINIMUM WITH BRANCH CIRCUIT #10 AND GROUNDING CONDUCTOR #10 UNLESS OTHERWISE NOTED.
- G. COORDINATE HOMERUN CIRCUIT NUMBERS WITH PANEL SCHEDULES. RE: SHEET E00-E05.
- H. LEAVE PROTECTIVE COVER ON LIGHTS UNTIL TURNOVER TO PROTECT AGAINST DUST.
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- 26 09-04 FURNISH AND INSTALL LIGHTING CONTROL PANEL WITH ASTRONOMICAL TIME CLOCK FOR CONTROL OF EXTERIOR LIGHTS PER 2018 IECC REQUIREMENTS.
- 26 51-01 DAYLIGHT-RESPONSIVE CONTROLS NOT REQUIRED IN THIS SPACE (LESS THAN 150 WATTS OF GENERAL LIGHTING).
- 26 51-05 FURNISH AND INSTALL 16,700WH IOTA IS SERIES INVERTER OR EQUAL FOR BATTERY BACK-UP OF EGRESS LIGHTING.

KEY PLAN:



PROFESSIONAL ENGINEER
11794
(Signature)
TWIN FALLS
BOISE, ID

TWIN FALLS
BOISE, ID

**THRON W. WARD JUDICIAL BUILDING
REMODEL & EXPANSION 427 Shoshone St N Twin Falls, ID**

CSHOA

AGENCY REVIEW SET

PROJECT 21403.000	DATE 04-17-23
DRAWN HLG	CHECKED JLB
REVISED	

SHEET TITLE
LIGHTING PLAN LEVEL 2

SHEET
E12

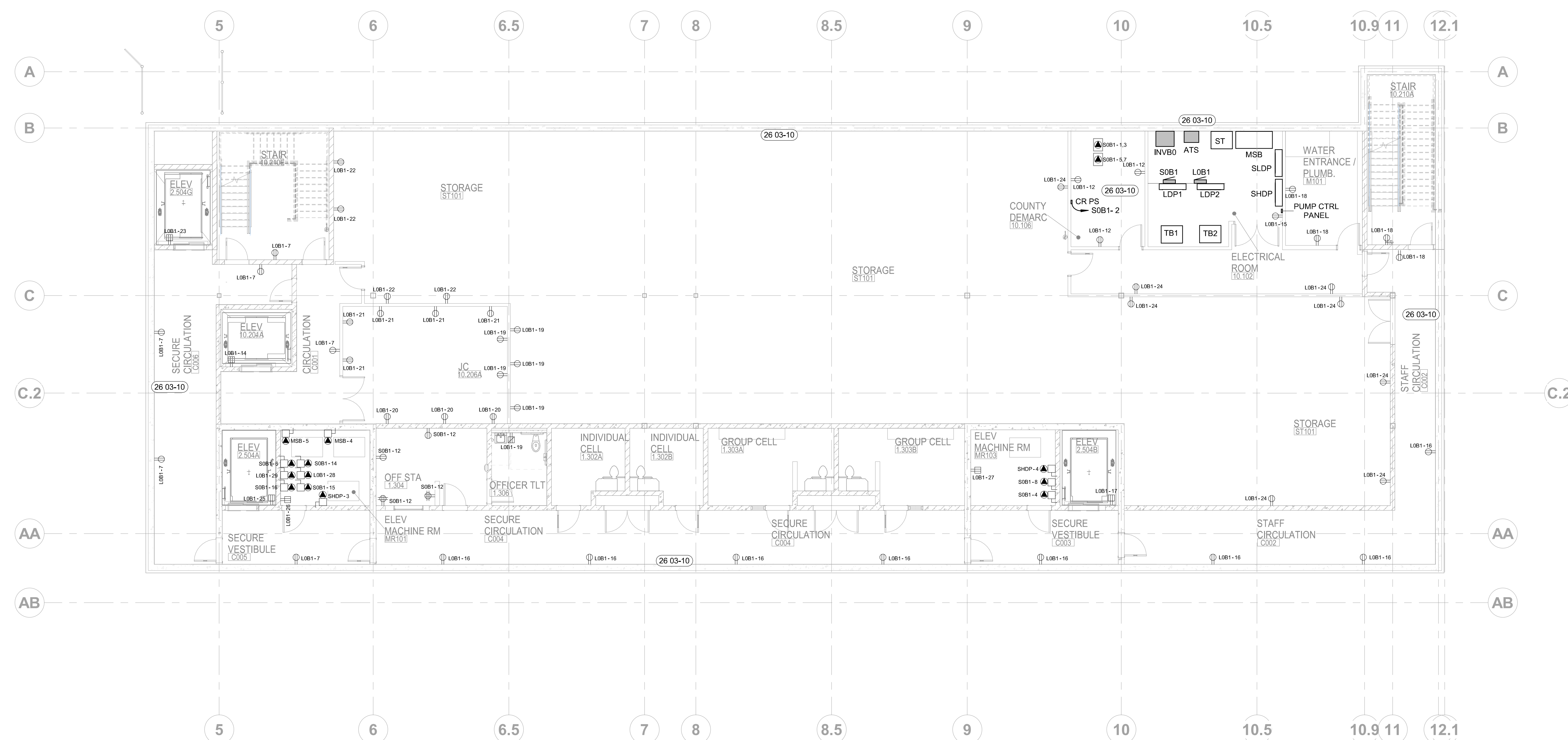
ORIGINAL SHEET SIZE
36" x 48"

GENERAL NOTES:

- A. ALL CONDUITS WITH CIRCUIT CONDUCTORS SHALL HAVE A COPPER EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH NEC 250.
- B. CONDUIT AND WIRE FOR FEEDER OR BRANCH CIRCUITS SHALL NOT BE RUN ON OR ABOVE THE ROOF. ELECTRICAL SERVICES FOR ROOF MOUNTED EQUIPMENT ARE TO BE RUN IN A STRAIGHT LINE FROM THE ROOF PENETRATION TO THE ELECTRICAL CONNECTION FOR THE UNIT SERVED.
- C. INSTALL CONDUIT A MINIMUM OF 4" BELOW BOTTOM OF CONCRETE SLAB WHERE RUNNING UNDER FLOOR. ALL ELBOWS SHALL BE RIGID METAL CONDUIT OR INTERMEDIATE METAL CONDUIT.
- D. SEE DETAIL SHEET E71 FOR INSTALLATION REFERENCE.
- E. CONTRACTOR TO VERIFY EQUIPMENT ELECTRICAL REQUIREMENTS PRIOR TO INSTALLATION OF RELATED CIRCUIT. CIRCUIT(S) ARE TO BE SIZED AS REQUIRED BY LABEL RATING.
- F. COORDINATE HOMERUN CIRCUIT NUMBERS WITH PANEL SCHEDULES. RE: SHEET E80 THROUGH E85.
- G. ALL SINGLE-PHASE RECEPTACLES RATED 125-VOLT, 50 AMPS OR LESS AND THREE-PHASE RECEPTACLES RATED 125-VOLT, 100 AMPS OR LESS INSTALLED IN KITCHEN, OUTDOOR AREAS, AND ALL OTHER AREAS REQUIRED BY CODE, SHALL HAVE GROUND-FULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL. UTILIZE GFCI RATED RECEPTACLES OR GFCI CIRCUIT BREAKERS IN PANELBOARDS.

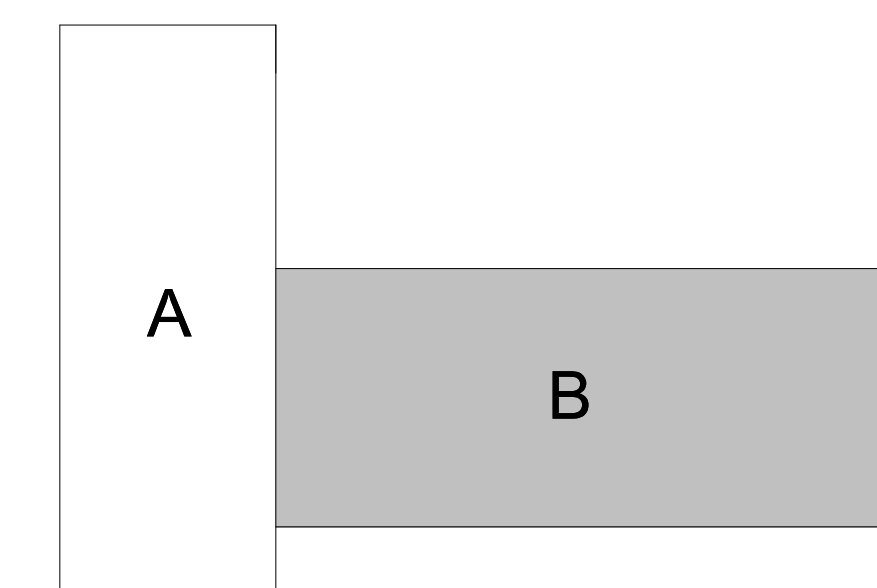
SHEET NOTES:

26 03-10 COORDINATE WITH WATERPROOFING. SEE ARCHITECTURAL PLAN.



1 POWER PLAN - BASEMENT
1/8" = 1'-0"

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
200 BROAD STREET, BOISE, ID 83702

JASON L. BRUNSON, P.E.
200 BROAD STREET
BOISE, IDAHO 83702
PHONE: 208-345-4635 FAX: 208-345-1656
WWW.CSHQA.COM
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AGENCY REVIEW SET

PROJECT	DATE
21403.000	04-17-23
DRAWN	CHECKED
HLG	JLB
REVISED	

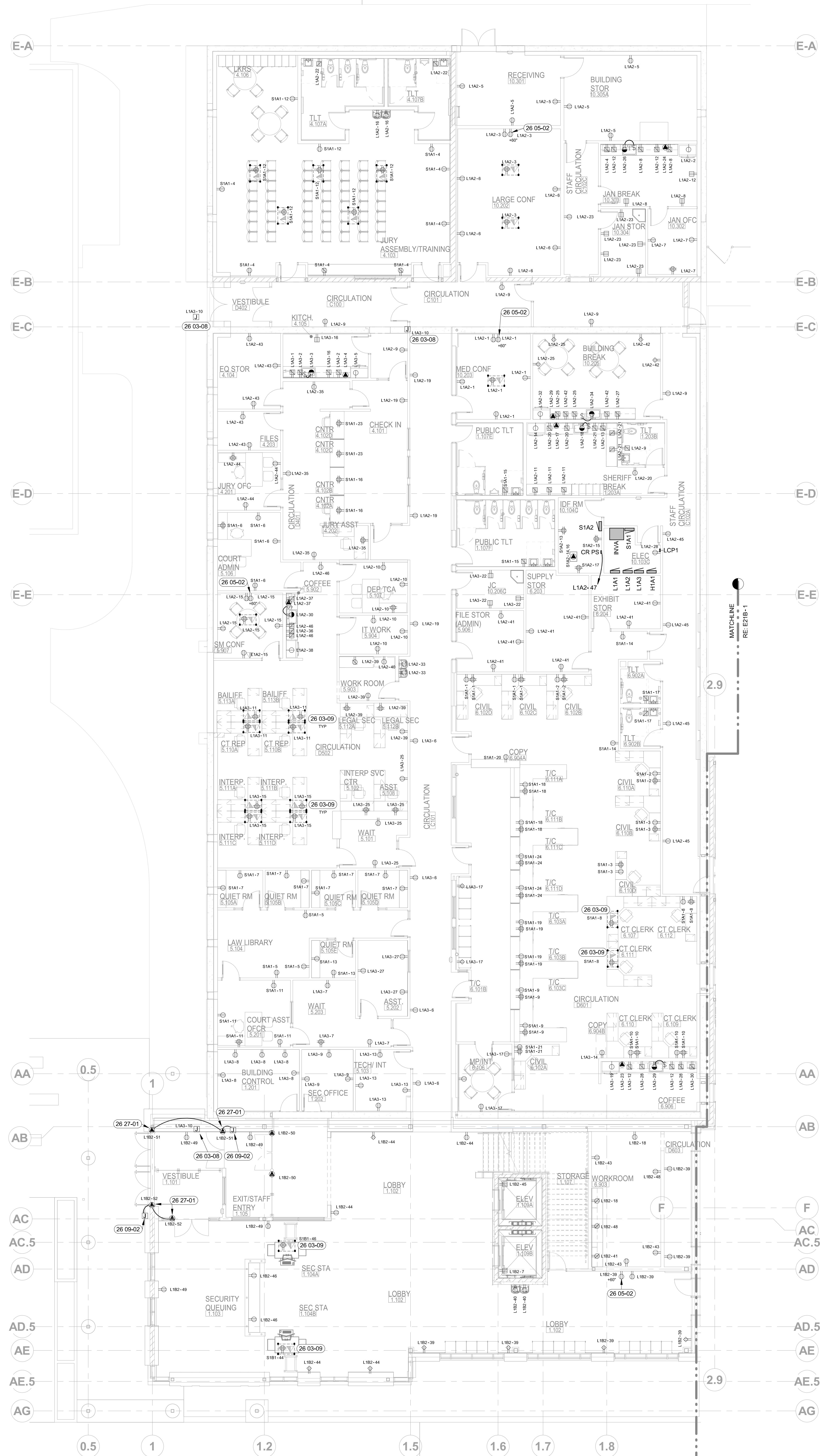
SHEET TITLE

**POWER PLAN
BASEMENT**

SHEET

E20

ORIGINAL SHEET SIZE
36" x 48"



1 POWER PLAN - LEVEL 1, AREA A
1/8" = 1'-0"

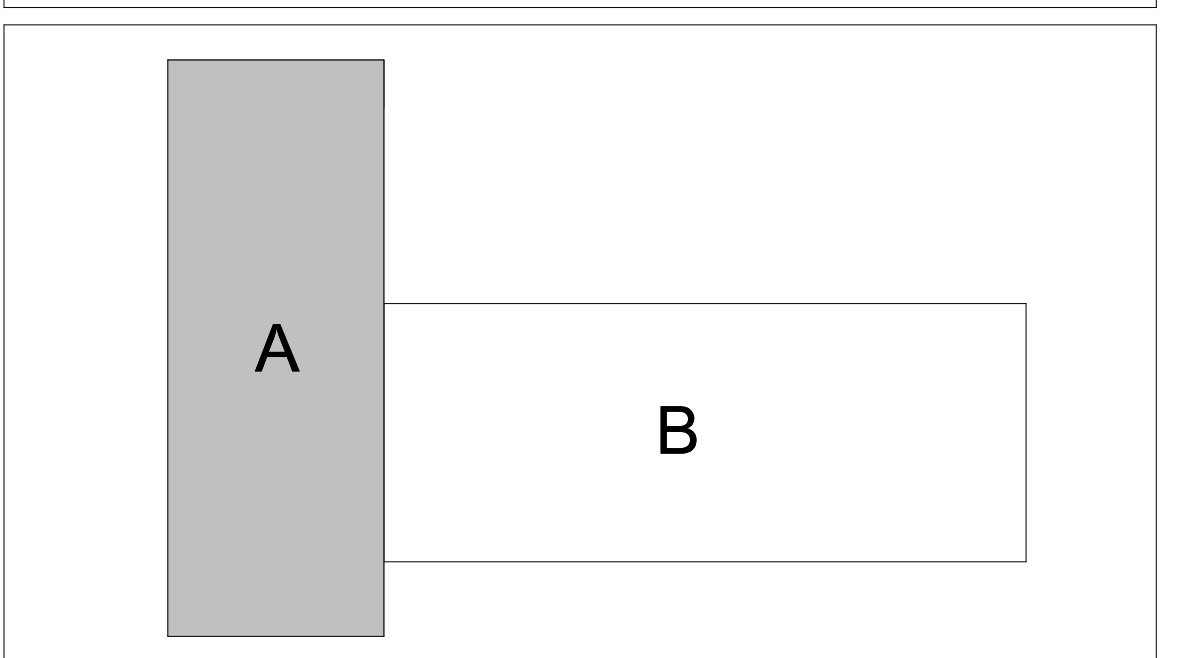
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(BY 89-88) SHEET NOTES:

- 26 03-08 COORDINATE WITH LOW VOLTAGE CONTRACTOR FOR DOOR POWER SUPPLY REQUIREMENTS.
- 26 03-09 COMBINATION POWER/DATA FLOOR BOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE WITH PROVISIONS FOR FUTURE LOW VOLTAGE COMPONENTS AS NOTED. COORDINATE WITH LOW VOLTAGE CONTRACTOR AND TELECOM DRAWINGS. COORDINATE FINAL LOCATION WITH OWNER.
- 26 05-02 FURNISH AND INSTALL 2-GANG HUBBELL FLAT PANEL CONNECTION ENCLOSURE WITH COVER FOR WALL MOUNTED TV. PROVIDE AND INSTALL ALL INTERIOR FITTINGS FOR A COMPLETE INSTALLATION. FURNISH AND INSTALL RECEPTACLE IN ENCLOSURE. COORDINATE WITH LOW VOLTAGE CONTRACTOR. INSTALLING DATA SAME ENCLOSURE.
- 26 09-02 JUNCTION BOX FOR CONTROL PUSH BUTTON FOR ADA POWER DOOR OPERATOR. COORDINATE CONNECTION REQUIREMENTS WITH EQUIPMENT PROVIDER PRIOR TO ROUGH-IN. VERIFY BUTTON LOCATION WITH ARCHITECT. MOUNT CENTER OF BUTTON AT 34" AFF.
- 26 27-01 ADA POWER DOOR OPERATOR. COORDINATE REQUIREMENTS WITH EQUIPMENT PROVIDER PRIOR TO ROUGH-IN.

KEY PLAN:




 ORIGINAL DOCUMENTS FILED AT
 CLERK, R.C. OFFICE, 200 BROAD STREET
 BOISE, ID 83702

JASON L. BRUNSON, P.E.
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SHEET TITLE
POWER PLAN
LEVEL 1
AREA A

SHEET

E21A

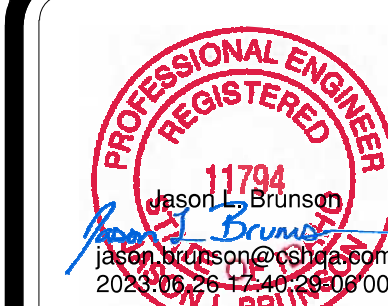
ORIGINAL SHEET SIZE
 36" x 48"

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SHEET NOTES:

- 26 03-06 COMBINATION POWER/DATA FLOOR BOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. ALL PATHWAYS BY ELECTRICAL CONTRACTOR. LOW VOLTAGE COMPONENTS AND LOW VOLTAGE CABLES BY LOW VOLTAGE CONTRACTOR. COORDINATE WITH LOW VOLTAGE CONTRACTOR AND TELECOM DRAWINGS. COORDINATE FINAL LOCATION WITH OWNER.
- 26 03-09 COMBINATION POWER/DATA FLOOR BOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE WITH PROVISIONS FOR FUTURE LOW VOLTAGE COMPONENTS AS NOTED. COORDINATE WITH LOW VOLTAGE CONTRACTOR AND TELECOM DRAWINGS. COORDINATE FINAL LOCATION WITH OWNER.
- 26 03-11 POWER FOR IRRIGATION CONTROLLER. COORDINATE REQUIREMENTS AND FINAL LOCATION WITH INSTALLER AND LANDSCAPE DRAWINGS.
- 26 05-02 FURNISH AND INSTALL 2-GANG HUBBELL FLAT PANEL CONNECTION ENCLOSURE WITH COVER FOR WALL-MOUNTED TV. PROVIDE AND INSTALL ALL INTERIOR FITTINGS FOR A COMPLETE INSTALLATION. FURNISH AND INSTALL RECEPTACLE IN ENCLOSURE. COORDINATE WITH LOW VOLTAGE CONTRACTOR. INSTALLING DATA SAME ENCLOSURE.
- 26 05-03 FURNISH AND INSTALL TAMPER RESISTANT RECEPTACLES IN ALL COURTROOMS PER NEC 406.12.
- 26 51-04 FURNISH AND INSTALL 12,500W IOTA IIS SERIES INVERTER OR EQUAL FOR BATTERY BACK UP OF EGRESS LIGHTING.



ORIGINAL DOCUMENTS ARE HELD AT:
200 BROAD STREET, BOISE, ID 83702

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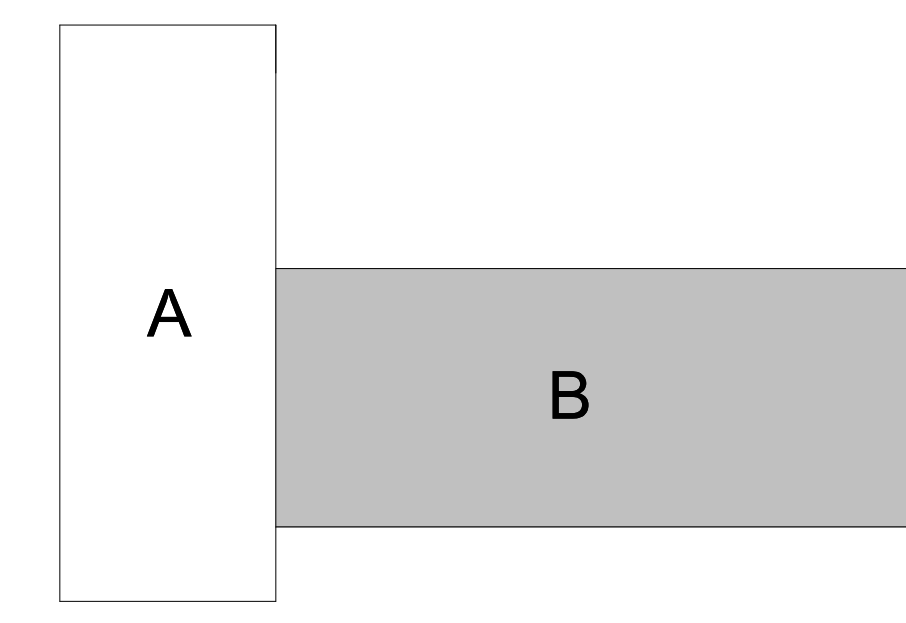
200 BROAD STREET
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**Theron W. Ward Judicial Building
Remodel & Expansion**
427 Shoshone St N Twin Falls, ID

AGENCY REVIEW SET

PROJECT	DATE
21403.000	04-17-23
DRAWN	CHECKED
HLG	JLB
REVISED	

KEY PLAN:

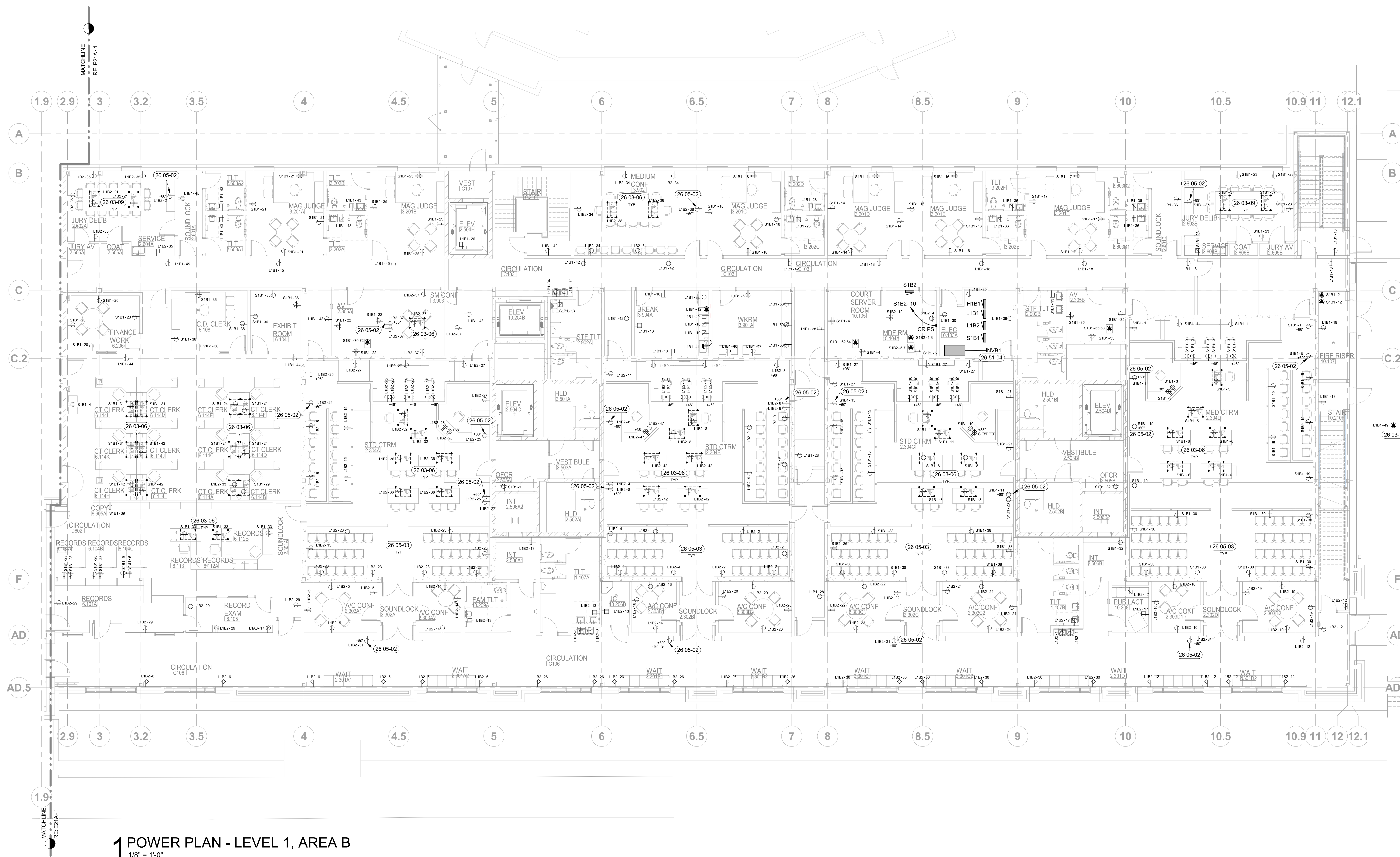


SHEET TITLE
**POWER PLAN
LEVEL 1
AREA B**

SHEET

E21B

ORIGINAL SHEET SIZE
36" x 48"



1 POWER PLAN - LEVEL 1, AREA B
1/8" = 1'-0"

GENERAL NOTES:

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ORIGINAL DOCUMENTS ARE HELD AT:
200 BROAD STREET, 6TH FLOOR, BOISE, ID 83702

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200 BROAD STREET
BOISE, IDAHO 83702
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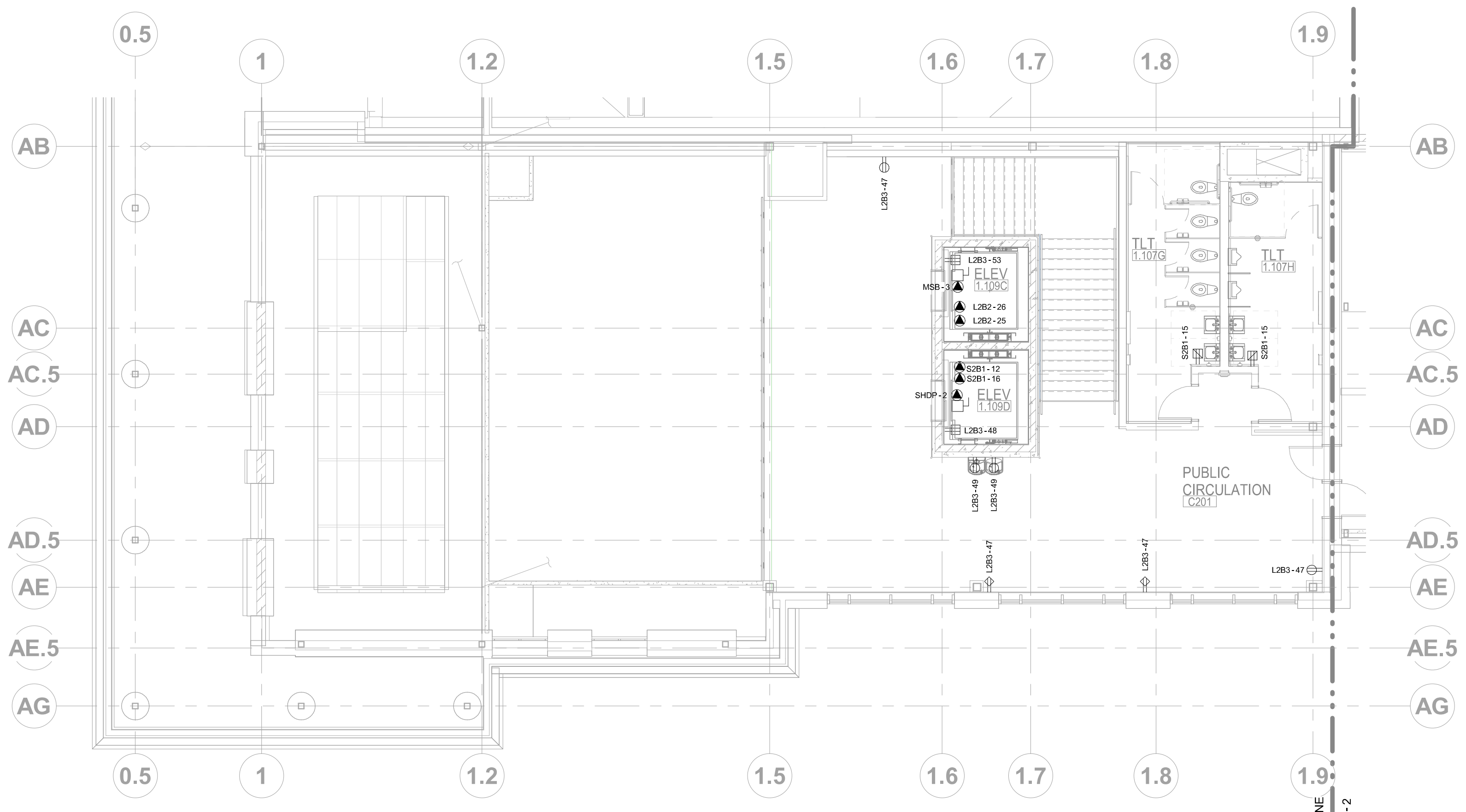
SHEET TITLE

**POWER PLAN
LEVEL 2**

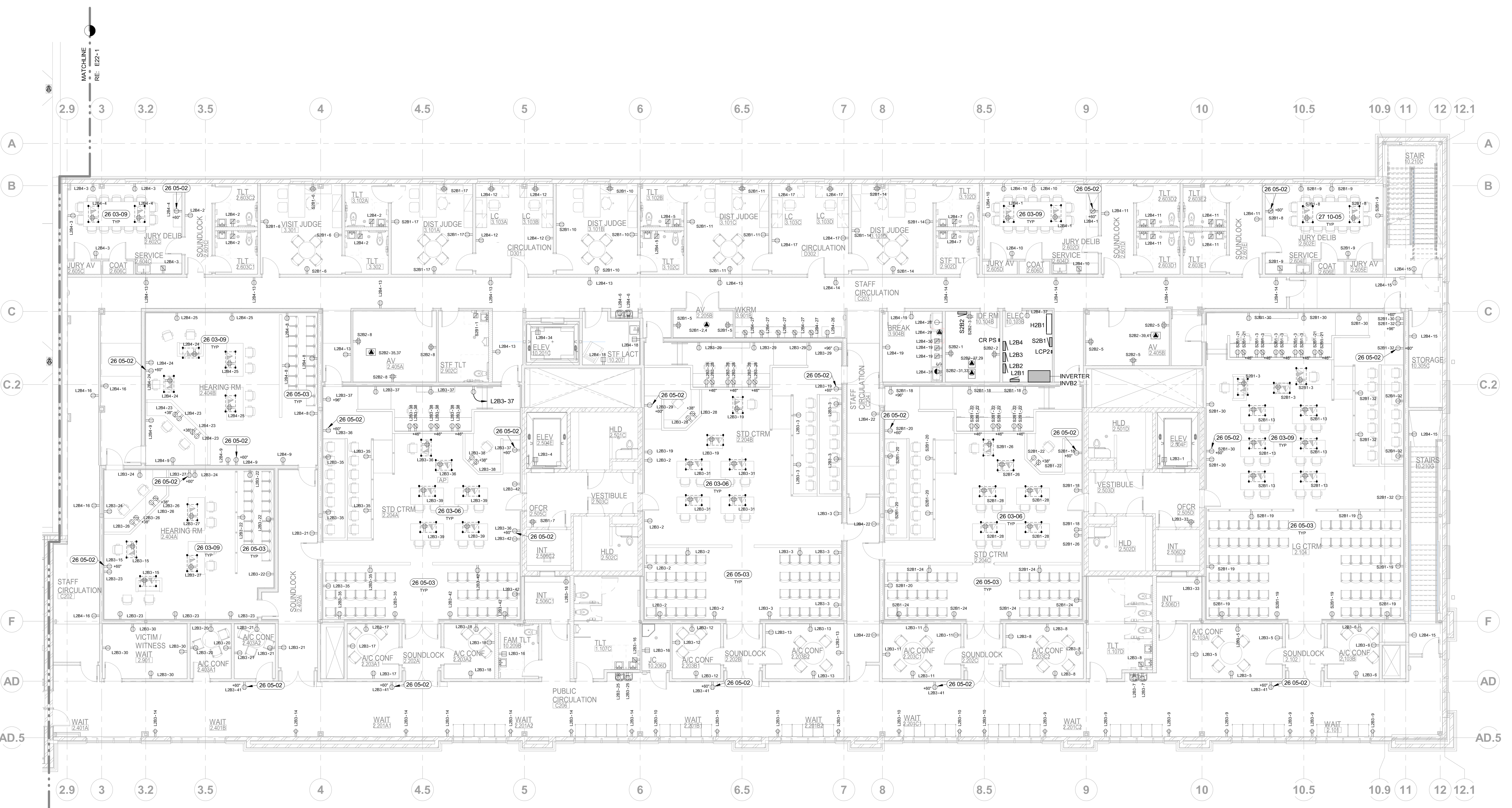
SHEET

E22

ORIGINAL SHEET SIZE
36" x 48"

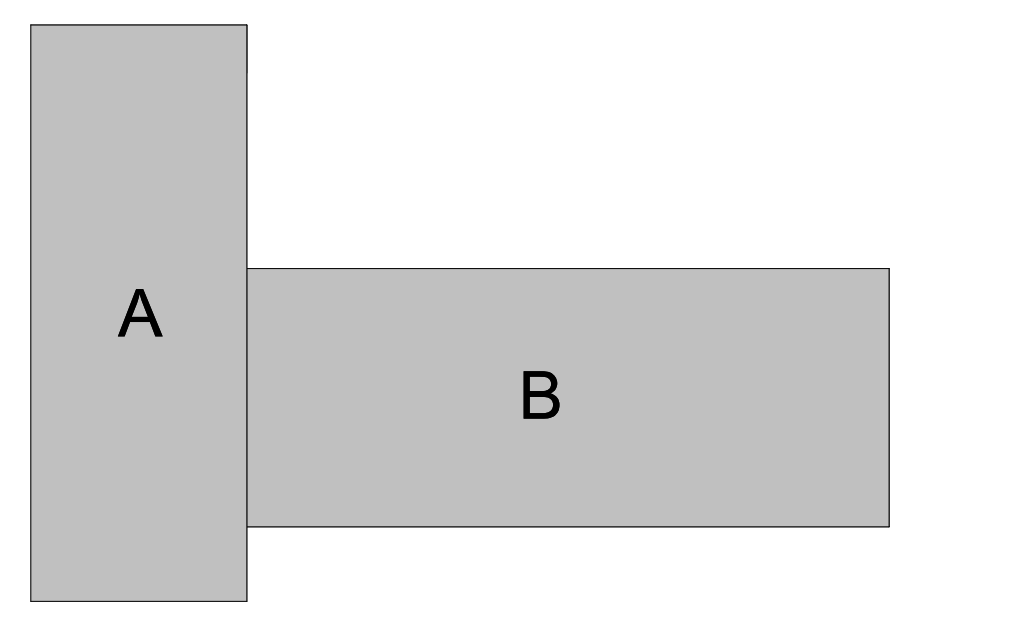


1 POWER PLAN - LEVEL 2, AREA A
1/8" = 1'-0"



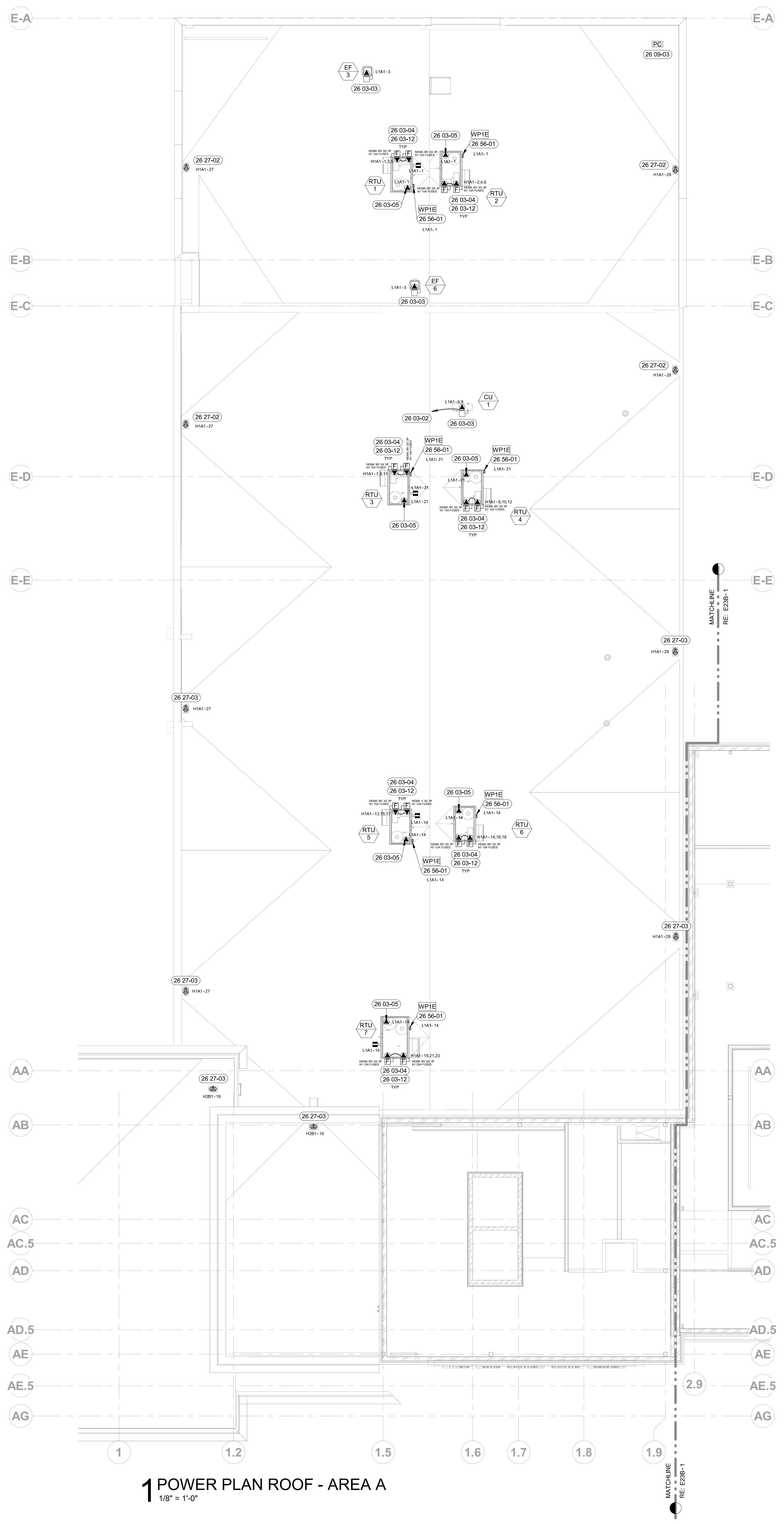
2 POWER PLAN - LEVEL 2, AREA B
1/8" = 1'-0"

KEY PLAN:



SHEET NOTES:

- 26 03-06 COMBINATION POWER/DATA FLOOR BOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. ALL PATHWAYS BY ELECTRICAL CONTRACTOR. LOW VOLTAGE COMPONENTS AND LOW VOLTAGE CABLES BY LOW VOLTAGE CONTRACTOR. COORDINATE WITH LOW VOLTAGE CONTRACTOR AND TELECOM DRAWINGS. COORDINATE FINAL LOCATION WITH OWNER.
- 26 03-09 COMBINATION POWER/DATA FLOOR BOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE WITH PROVISIONS FOR FUTURE LOW VOLTAGE COMPONENTS AS NOTED. COORDINATE WITH LOW VOLTAGE CONTRACTOR AND TELECOM DRAWINGS. COORDINATE FINAL LOCATION WITH OWNER.
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- 26 05-03 FURNISH AND INSTALL TAMPER RESISTANT RECEPTACLES IN ALL COURTROOMS PER NEC 408.12.
- 27 10-05 COMBINATION POWER/DATA FLOOR BOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR WITH PROVISIONS FOR FUTURE LOW VOLTAGE COMPONENTS AS NOTED.



POWER PLAN ROOF - AREA A
1/8" = 1'-0"

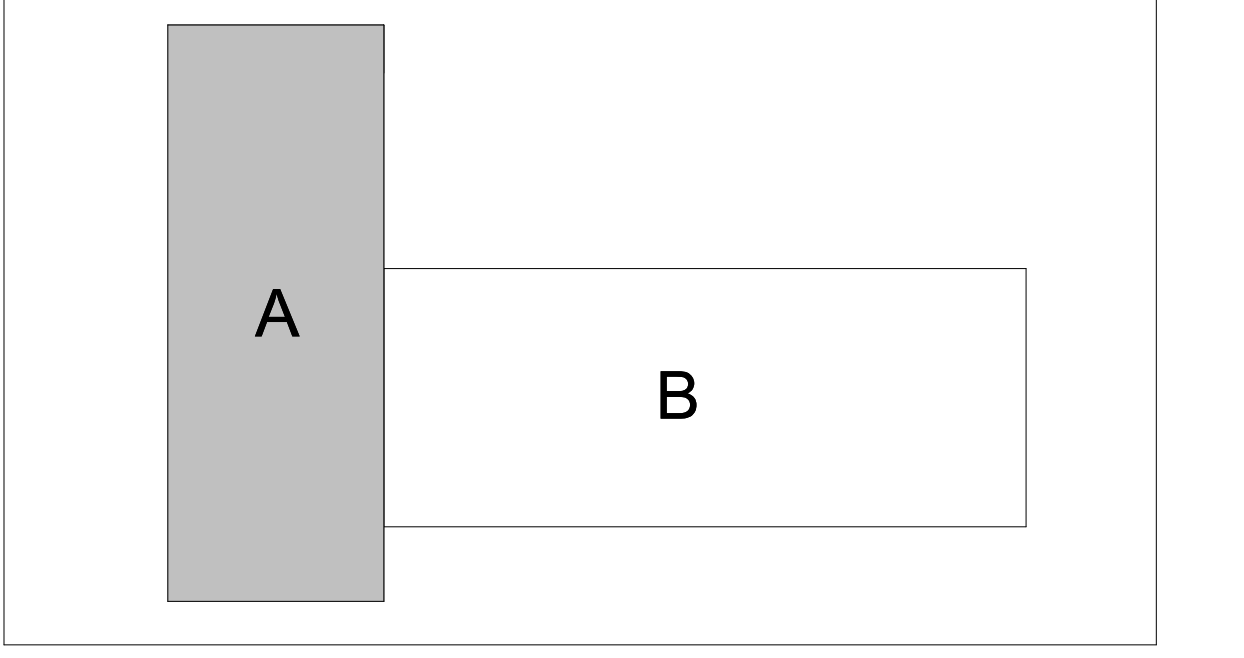
GENERAL NOTES:

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SHEET NOTES:

- 26 03-02 INDOOR FAN COIL, POWERED FROM ROOF-MOUNTED CONDENSING UNIT. FURNISH AND INSTALL 3/4" CONDUIT FROM INDOOR UNIT TO OUTDOOR UNIT. COORDINATE WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER AND FURNISH AND INSTALL CONDUCTORS AS REQUIRED FOR A FULL AND OPERATIONAL SYSTEM.
- 26 03-03 NON-FUSED DISCONNECT SWITCH FURNISHED AND INSTALLED BY MANUFACTURER, CONNECTED BY ELECTRICAL CONTRACTOR.
- 26 03-04 FURNISH AND INSTALL FUSED DISCONNECT SWITCH.
- 26 03-05 ADD ALTERNATE UV LIGHT KIT.
- 26 03-12 SMOKE DETECTOR FACTORY SUPPLIED LOOSE. INSTALLED BY OTHERS. ELECTRICAL CONTRACTOR TO CIRCUIT AS INDICATED. COORDINATE ALL CONNECTIONS WITH MECHANICAL CONTRACTOR.
- 26 09-03 FURNISH AND INSTALL PHOTOSENSOR FACED NORTH ON BUILDING ROOF. MAKE POWER AND CONTROL CONNECTIONS AS REQUIRED FOR EXTERIOR LIGHTING CONTROL.
- 26 27-02 ROOF DRAIN HEAT TRACE. ROUTE POWER TO HEAT TRACE VIA GFCI BREAKER INSTALLED AT INDICATED PANEL CIRCUIT. SEE SHEET E71 DETAIL 3.
- 26 27-03 ROOF DRAIN HEAT TRACE. ROUTE POWER TO HEAT TRACE VIA GFCI BREAKER INSTALLED AT INDICATED PANEL CIRCUIT. SEE SHEET EXX DETAIL X.
- 26 56-01 FURNISH AND INSTALL EQUIPMENT MOUNTED LIGHT FIXTURE AND WEATHERPROOF LIGHT SWITCH. COORDINATE LOCATION AND MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR SUCH THAT LIGHT DOES NOT INTERFERE WITH ABILITY TO SERVICE EQUIPMENT.

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
3000 BROAD STREET, BOISE, ID 83702

JASON L. BRUNSON, P.E.
200 BROAD STREET
BOISE, IDAHO 83702
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PROJECT	DATE
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SHEET TITLE

**POWER PLAN
ROOF AREA A**

SHEET

E23A

ORIGINAL SHEET SIZE
36" x 48"

GENERAL NOTES:

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SHEET NOTES:

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ORIGINAL DOCUMENTS ARE HELD AT:
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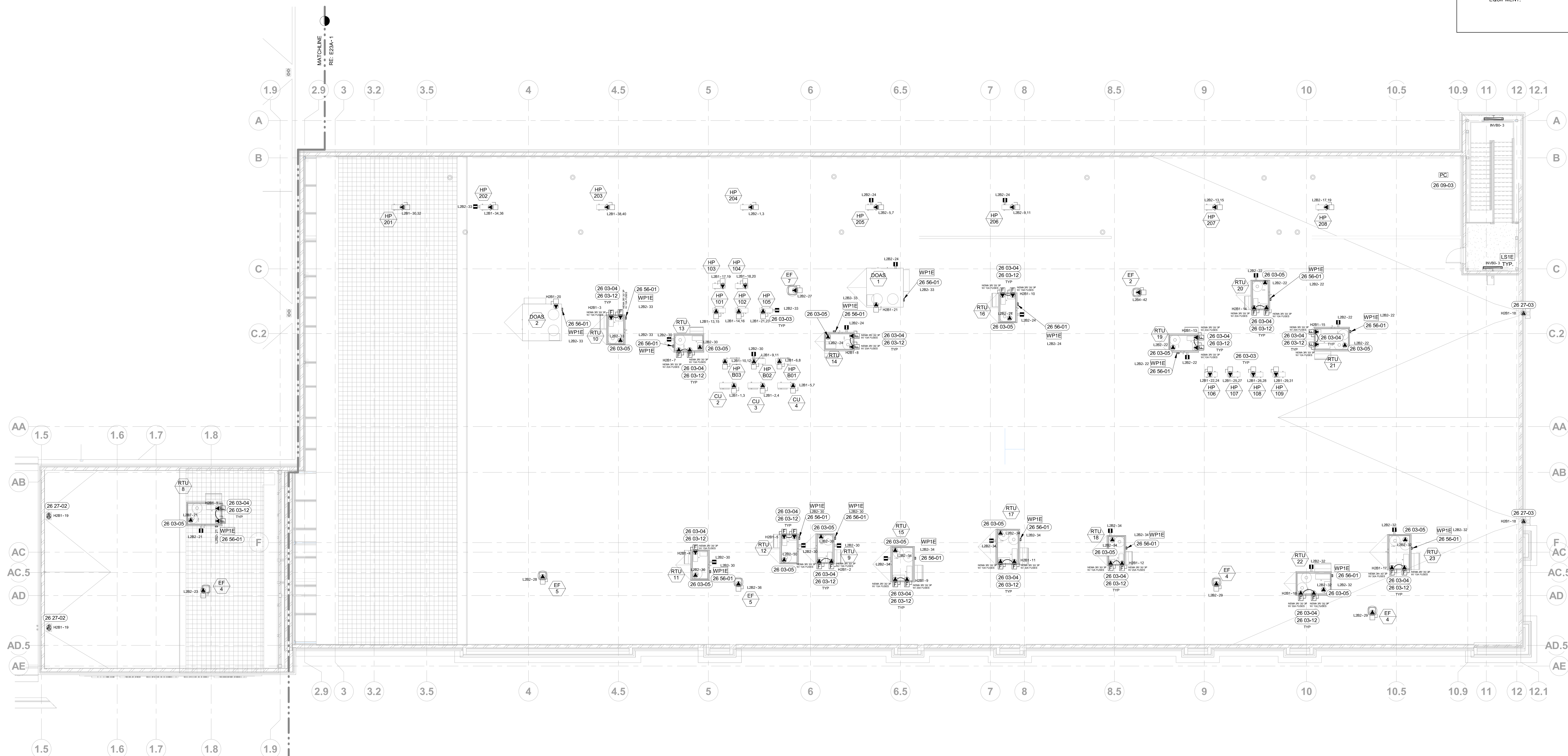
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WWW.CSHQA.COM
I am a member of the National Electrical Contractors Association (NECA) and the International Brotherhood of Electrical Workers (IBEW). I am also a member of the Idaho Electrical Contractors Association (IECA) and the Idaho Electrical Workers Union (IEWU). I am a graduate of the University of Idaho and received my Bachelor's degree in Electrical Engineering in 1998. I have been a Professional Engineer in the State of Idaho since 2001. I have worked for various electrical contracting firms and have been involved in a wide variety of electrical projects. I am currently employed by CSHQA as a Professional Engineer. I am a member of the IEEE and the IEEE Power & Energy Society.



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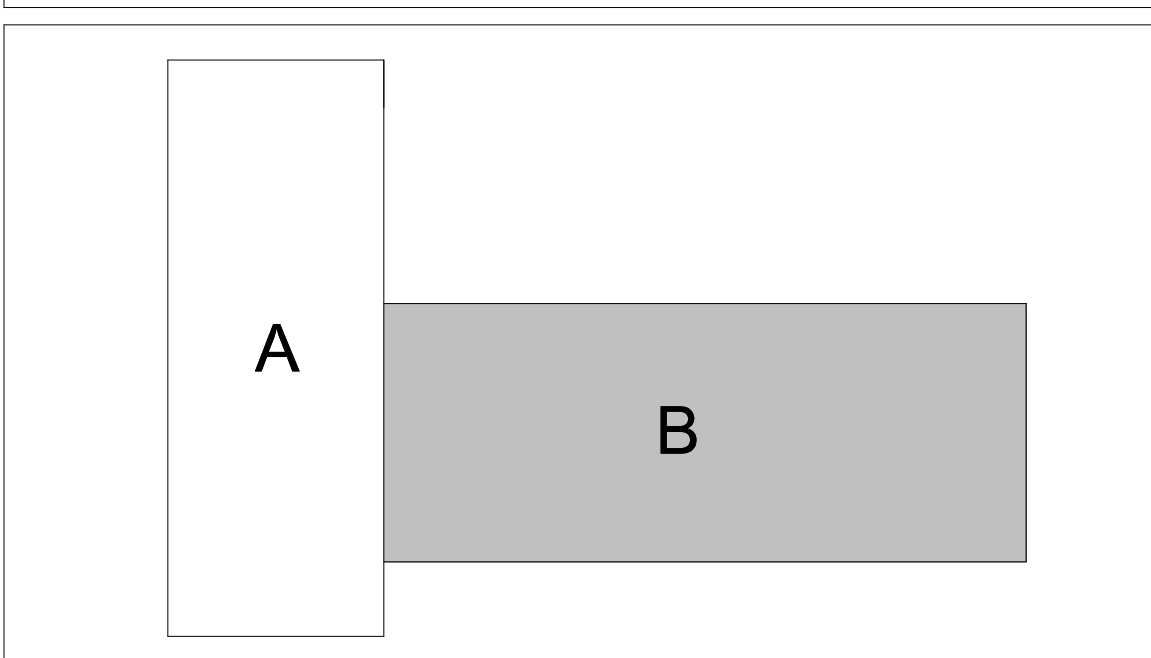
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1 POWER PLAN ROOF - AREA B
1/8" = 1'-0"

KEY PLAN:



SHEET TITLE
**POWER PLAN
ROOF AREA B**

SHEET
E23B

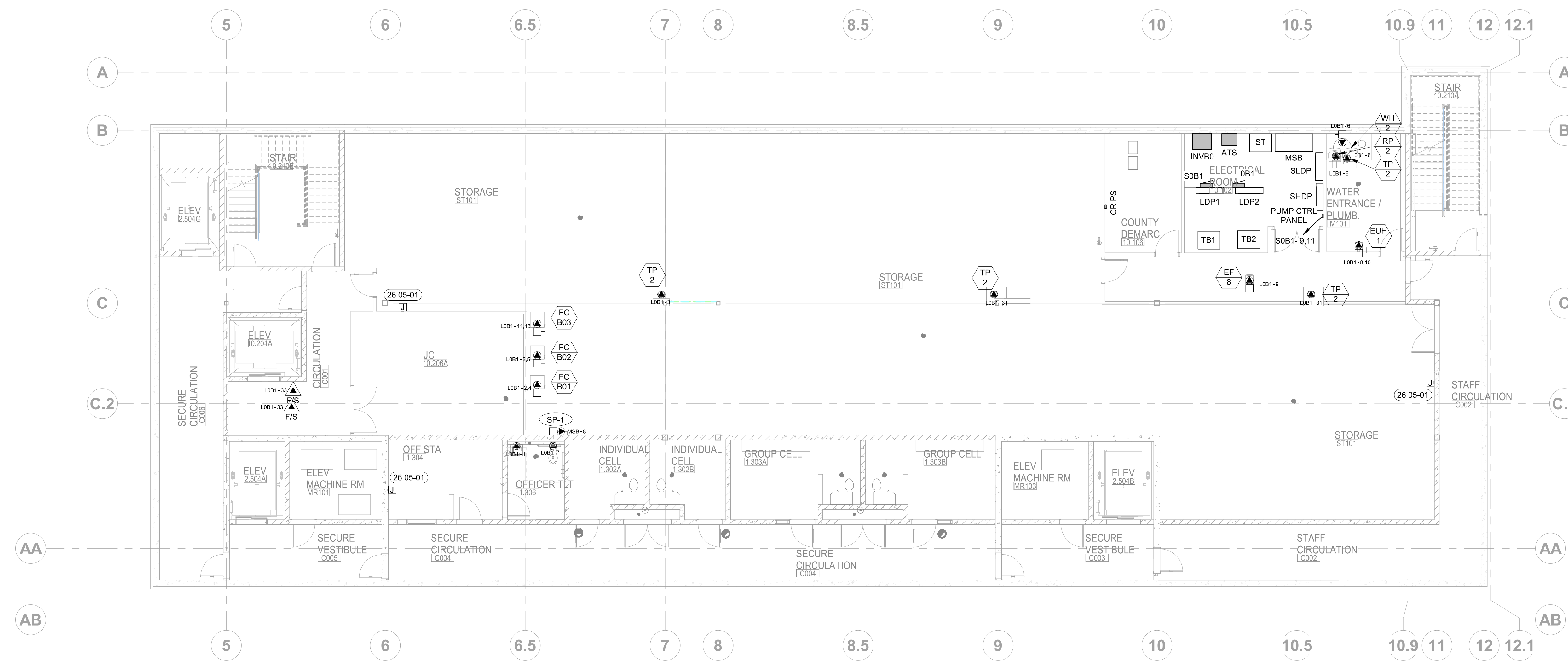
ORIGINAL SHEET SIZE
36" x 48"

GENERAL NOTES:

- A. ALL CONDUITS WITH CIRCUIT CONDUCTORS SHALL HAVE A COPPER EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH NEC 250.
- B. CONDUIT AND WIRE FOR FEEDER OR BRANCH CIRCUITS SHALL NOT BE RUN ON OR ABOVE THE ROOF. ELECTRICAL SERVICES FOR ROOF MOUNTED EQUIPMENT ARE TO BE RUN IN A STRAIGHT LINE FROM THE ROOF PENETRATION TO THE ELECTRICAL CONNECTION FOR THE UNIT SERVED.
- C. INSTALL CONDUIT A MINIMUM OF 4" BELOW BOTTOM OF CONCRETE SLAB WHERE RUNNING UNDER FLOOR. ALL ELBOWS SHALL BE RIGID METAL CONDUIT OR INTERMEDIATE METAL CONDUIT.
- D. SEE DETAIL SHEET E71 FOR INSTALLATION REFERENCE.
- E. CONTRACTOR TO VERIFY EQUIPMENT ELECTRICAL REQUIREMENTS PRIOR TO INSTALLATION OF RELATED CIRCUIT. CIRCUIT(S) ARE TO BE SIZED AS REQUIRED BY LABEL RATING.
- F. COORDINATE HOMERUN CIRCUIT NUMBERS WITH PANEL SCHEDULES. RE: SHEET E80 THROUGH E85.
- G. ALL SINGLE-PHASE RECEPTACLES RATED 125-VOLT, 50 AMPS OR LESS AND THREE-PHASE RECEPTACLES RATED 125-VOLT, 100 AMPS OR LESS INSTALLED IN KITCHEN, OUTDOOR AREAS, AND ALL OTHER AREAS REQUIRED BY CODE, SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. LISTED GFCI RATED RECEPTACLES OR GFCI CIRCUIT BREAKERS IN PANELBOARDS.

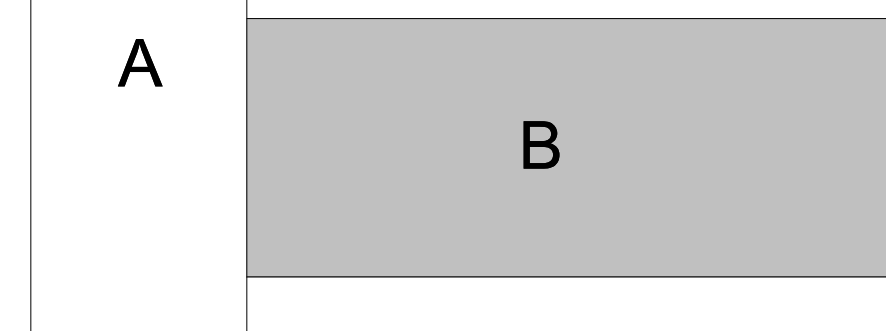
SHEET NOTES:

26 05-01 FURNISH AND INSTALL JUNCTION BOX FOR THERMOSTAT AND ROUTE 1/2" CONDUIT FROM JUNCTION BOX TO CEILING SPACE. COORDINATE WITH MECHANICAL CONTRACTOR.



1 MECHANICAL POWER PLAN - BASEMENT
1/8" = 1'-0"

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
SCALE: 1/8"=1'-0"

JASON L. BRUNSON, P.E.
200 BROAD STREET
BOISE, IDAHO 83702
PHONE: (208) 345-4635 FAX: (208) 345-1856
WWW.CSHQA.COM
I am a duly Licensed Professional Engineer in the State of Idaho. My license number is 11794. I am not responsible for any errors or omissions in this document that may result from the use of the information contained herein. I am not responsible for any damage or injury to persons or property that may result from the use of the information contained herein. I am not responsible for any damage or injury to persons or property that may result from the use of the information contained herein.



CSHQA
THERON W. WARD JUDICIAL BUILDING
REMODEL & EXPANSION 427 Shoshone St N Twin Falls, ID
200 BROAD STREET
BOISE, ID 83702
(208) 345-4635 • FAX (208) 345-1856
http://www.cshqa.com

AGENCY REVIEW SET

PROJECT	DATE
21403.000	04-17-23
DRAWN	CHECKED
HLG	JLB

REVISED

SHEET TITLE
MECHANICAL POWER PLAN BASEMENT

SHEET

E30

ORIGINAL SHEET SIZE
36" x 48"



1 MECHANICAL POWER PLAN - LEVEL 1, AREA A
1/8" = 1'-0"

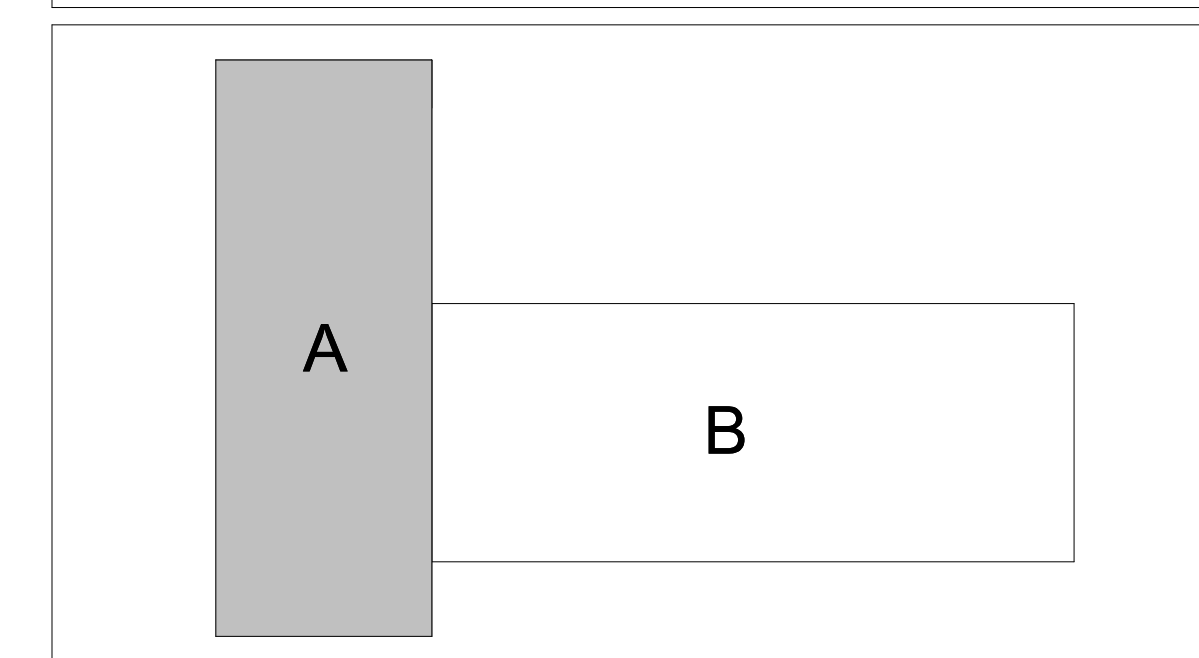
GENERAL NOTES:

- A. ALL CONDUITS WITH CIRCUIT CONDUCTORS SHALL HAVE A COPPER EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH NEC 250.
- B. CONDUIT AND WIRE FOR FEEDER OR BRANCH CIRCUITS SHALL NOT BE RUN ON OR ABOVE THE ROOF. ELECTRICAL SERVICES FOR ROOF MOUNTED EQUIPMENT ARE TO BE RUN IN A STRAIGHT LINE FROM THE ROOF PENETRATION TO THE ELECTRICAL CONNECTION FOR THE UNIT SERVED.
- C. INSTALL CONDUIT A MINIMUM OF 4" BELOW BOTTOM OF CONCRETE SLAB WHERE RUNNING UNDER FLOOR. ALL ELBOWS SHALL BE RIGID METAL CONDUIT OR INTERMEDIATE METAL CONDUIT.
- D. SEE DETAIL SHEET E71 FOR INSTALLATION REFERENCE.
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- F. COORDINATE HOMERUN CIRCUIT NUMBERS WITH PANEL SCHEDULES. RE: SHEET E80 THROUGH E85.
- G. ALL SINGLE-PHASE RECEPTACLES RATED 125-VOLT, 50 AMPS OR LESS AND THREE-PHASE RECEPTACLES RATED 125-VOLT, 100 AMPS OR LESS INSTALLED IN KITCHEN, OUTDOOR AREAS, AND ALL OTHER AREAS REQUIRED BY CODE, SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. LISTED GFCI RATED RECEPTACLES OR GFCI CIRCUIT BREAKERS IN PANELBOARDS.

(19 89-88) SHEET NOTES:

- 26 03-02 INDOOR FAN COIL, POWERED FROM ROOF-MOUNTED CONDENSING UNIT. FURNISH AND INSTALL 3/4" CONDUIT FROM INDOOR UNIT TO OUTDOOR UNIT. COORDINATE WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER AND FURNISH AND INSTALL CONDUCTORS AS REQUIRED FOR A FULL AND OPERATIONAL SYSTEM.
- 26 05-01 FURNISH AND INSTALL JUNCTION BOX FOR THERMOSTAT AND ROUTE 1/2" CONDUIT FROM JUNCTION BOX TO CEILING SPACE. COORDINATE WITH MECHANICAL CONTRACTOR.

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
200 BROAD STREET
BOISE, ID 83702



**ATHERON W. WARD JUDICIAL BUILDING
REMODEL & EXPANSION 427 Shoshone St N Twin Falls, ID**
200 BROAD STREET
BOISE, ID 83702
(208) 345-4635 • FAX (208) 345-1858
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AGENCY REVIEW SET

PROJECT	DATE
21403.000	04-17-23
DRAWN	CHECKED
HLG	JLB
REVISED	

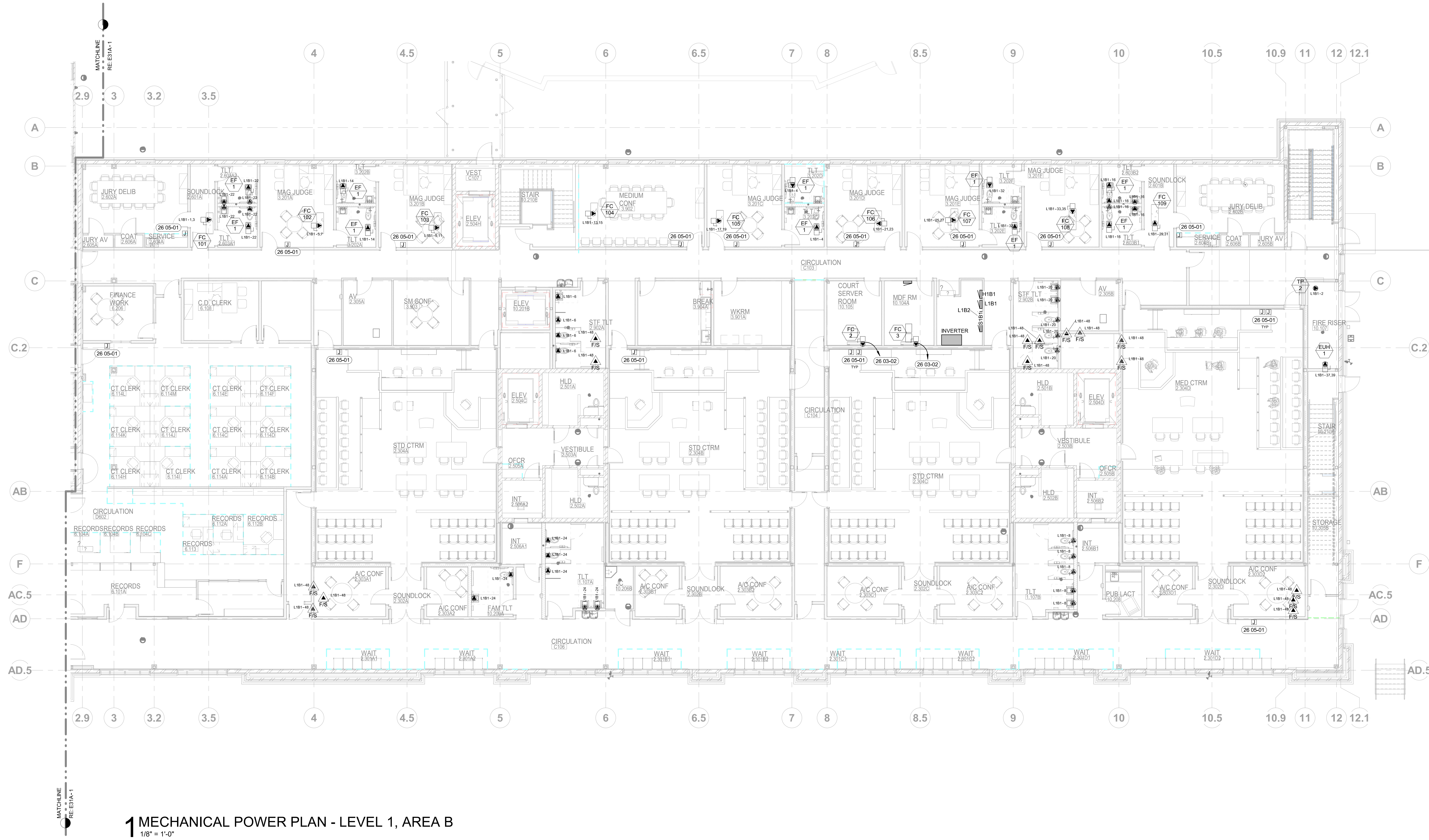
MECHANICAL POWER PLAN LEVEL 1 AREA A

SHEET

E31A

ORIGINAL SHEET SIZE
36" x 48"

6/26/2023 4:40:17 PM



1 MECHANICAL POWER PLAN - LEVEL 1, AREA B
1/8" = 1'-0"

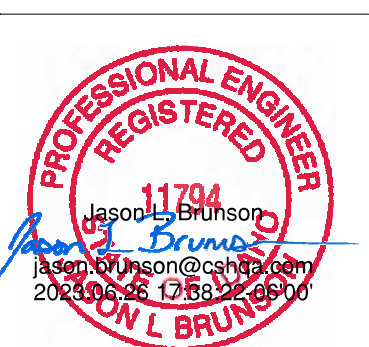
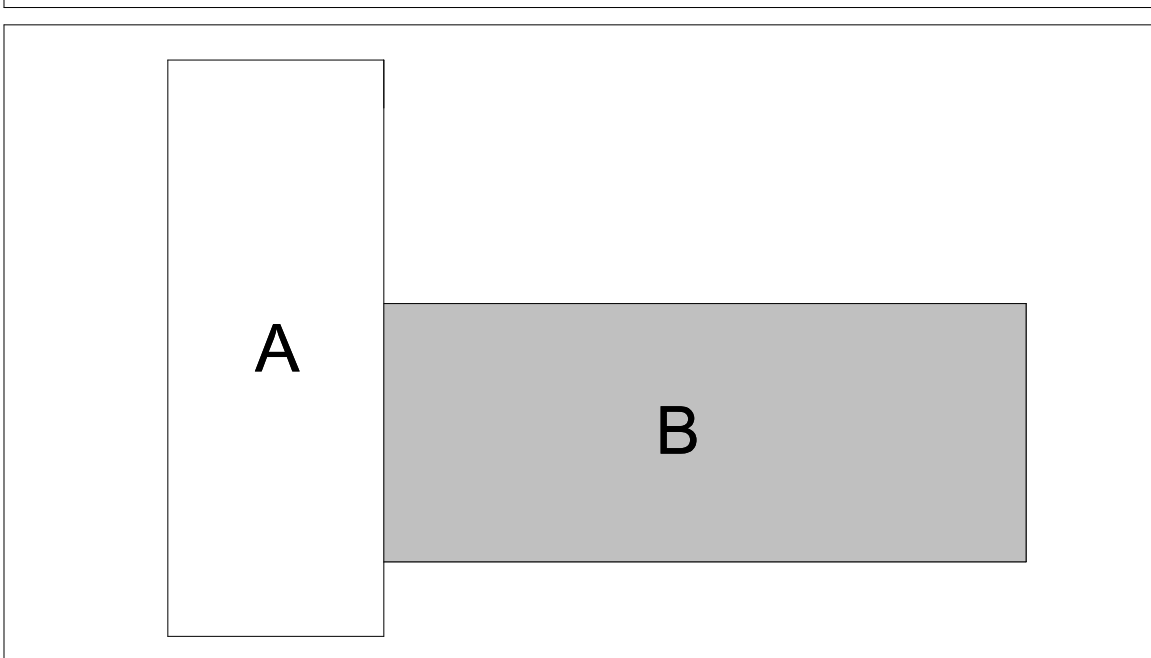
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SHEET NOTES:

- 26 03-02 INDOOR FAN COIL, POWERED FROM ROOF-MOUNTED CONDENSING UNIT. FURNISH AND INSTALL 3/4" CONDUIT FROM INDOOR UNIT TO OUTDOOR UNIT. COORDINATE WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER AND FURNISH AND INSTALL CONDUCTORS AS REQUIRED FOR A FULL AND OPERATIONAL SYSTEM.
- 26 05-01 FURNISH AND INSTALL JUNCTION BOX FOR THERMOSTAT AND ROUTE 1/2" CONDUIT FROM JUNCTION BOX TO CEILING SPACE. COORDINATE WITH MECHANICAL CONTRACTOR.

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
200 BROAD STREET
BOISE, ID 83702

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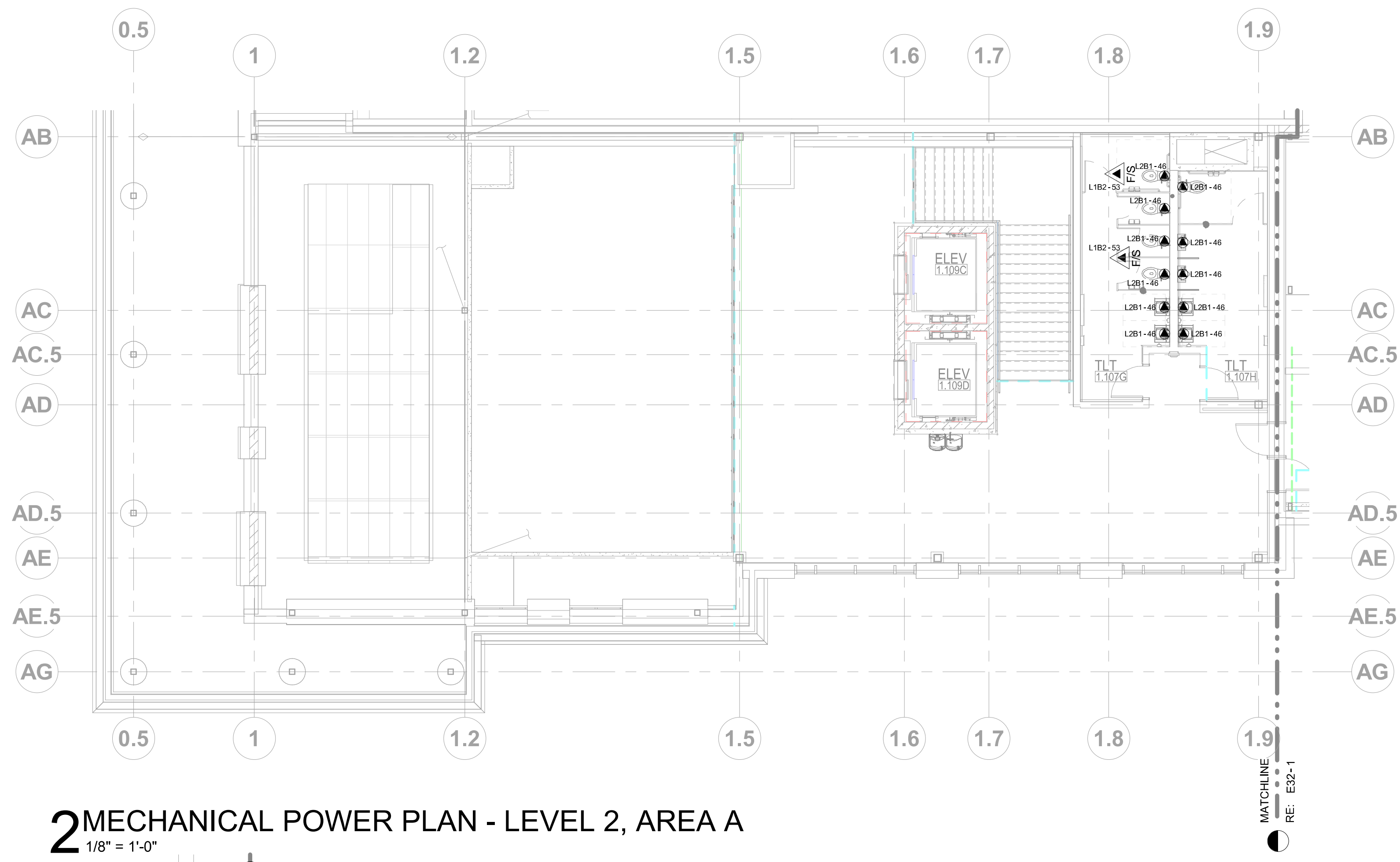
AGENCY REVIEW SET

PROJECT	DATE
21403.000	04-17-23
DRAWN	CHECKED
HLG	JLB
REVISED	

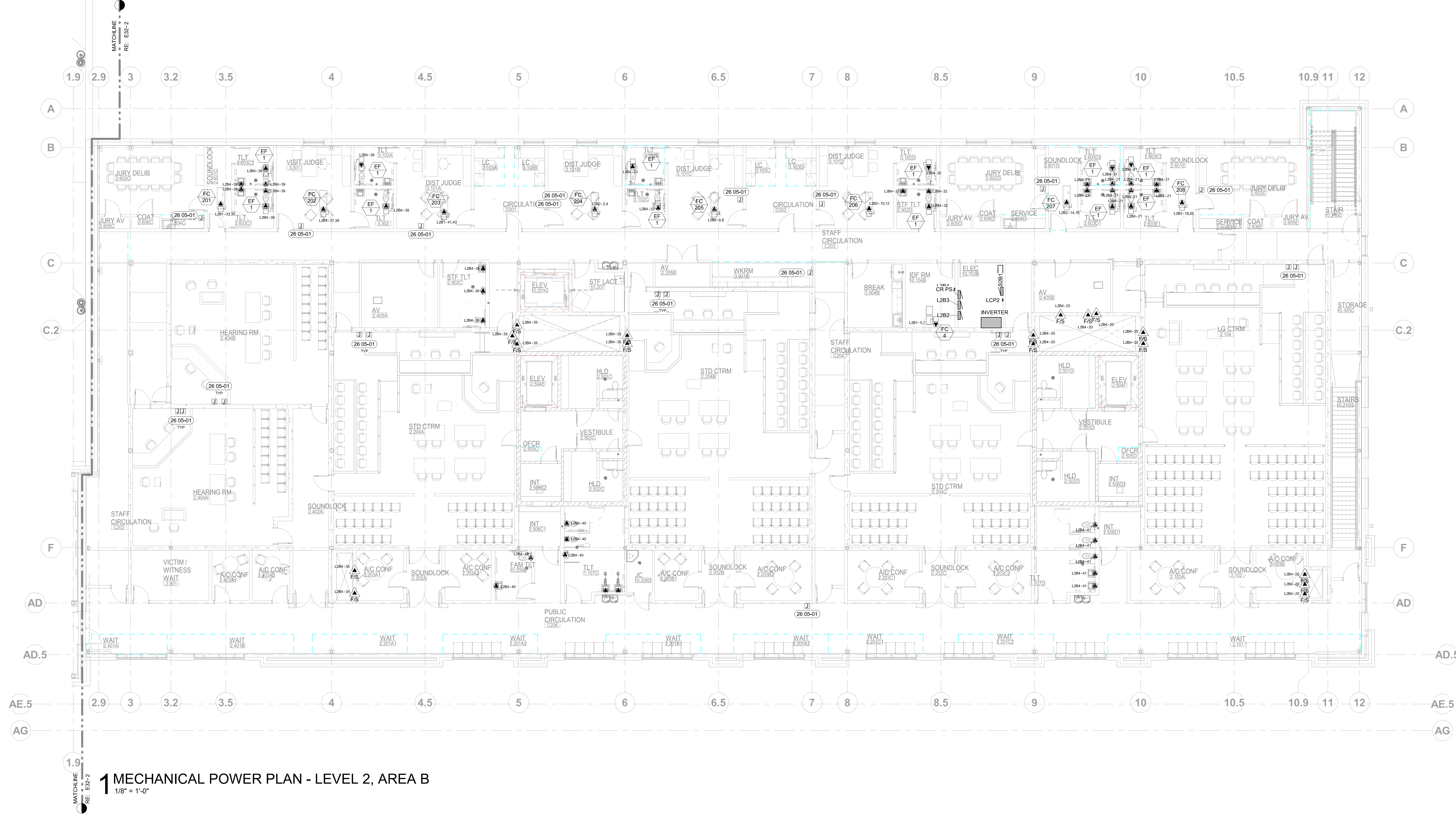
**MECHANICAL POWER PLAN
LEVEL 1
AREA B**

E31B

ORIGINAL SHEET SIZE
36" x 48"



2 MECHANICAL POWER PLAN - LEVEL 2, AREA A
1/8" = 1'-0"



1 MECHANICAL POWER PLAN - LEVEL 2, AREA B
1/8" = 1'-0"

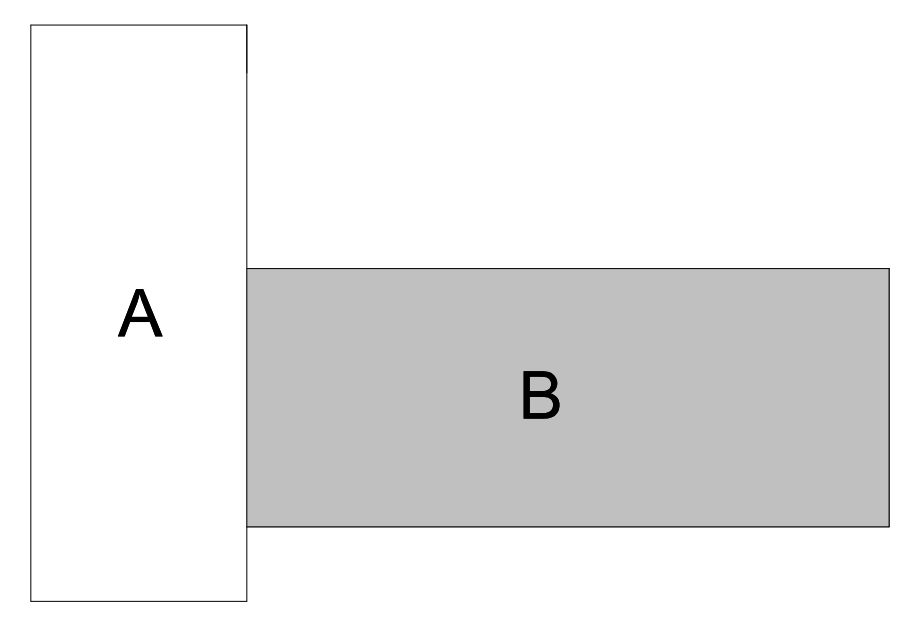
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SHEET NOTES:

26 05-01 FURNISH AND INSTALL JUNCTION BOX FOR THERMOSTAT AND ROUTE 1/2" CONDUIT FROM JUNCTION BOX TO CEILING SPACE. COORDINATE WITH MECHANICAL CONTRACTOR.

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
200 BROAD STREET
BOISE, ID 83702



CSHOA
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AGENCY REVIEW SET

PROJECT	DATE
21403.000	04-17-23
DRAWN	CHECKED
HLG	JLB
REVISED	

SHEET TITLE
MECHANICAL POWER PLAN LEVEL 2

SHEET

E32

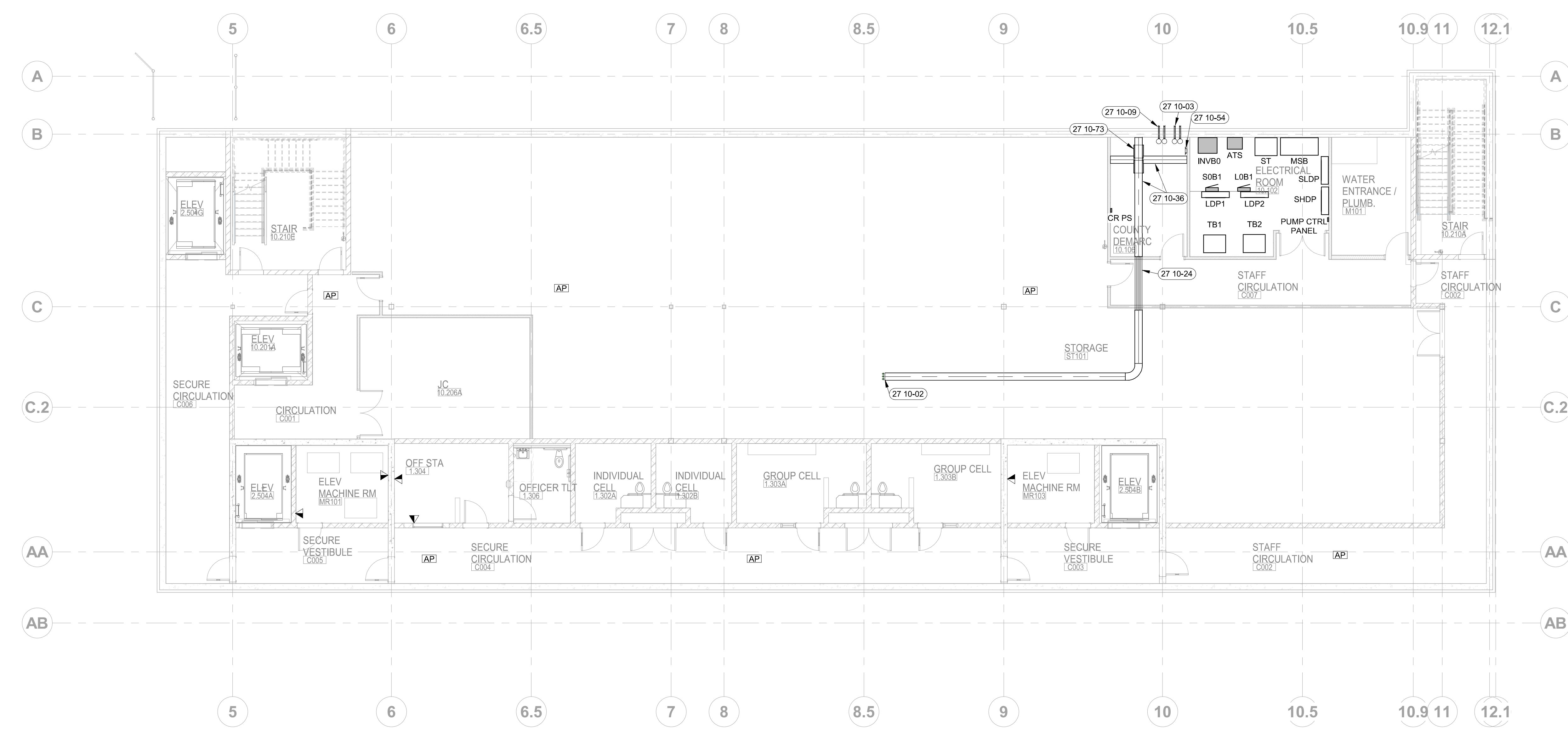
ORIGINAL SHEET SIZE
36" x 48"

GENERAL NOTES:

- A. SEE SPECIFICATIONS FOR PROJECT REQUIREMENTS.
- B. REFER TO SHEET E00 FOR DEVICE AND SYMBOL SCHEDULE.
- C. VERIFY COLOR AND LOCATION OF LOW VOLTAGE WALL AND CEILING MOUNTED DEVICES TO BEST MATCH WITH DECOR AND FINISHES.
- D. SUPPORT CABLES WITH 4" J-HOOKS ON 48" SPACING WHERE CABLE TRAY OR CONDUIT ARE NOT SHOWN.
- E. CONTRACTOR TO FURNISH AND INSTALL (2) 1" CONDUIT WITH THROAT BUSHINGS, ON EACH END, FROM CABLE TRAY THROUGH CORRIDOR WALLS, INTO EACH OFFICE FOR LOW VOLTAGE CABLE DISTRIBUTION. FURNISH AND INSTALL MINIMUM 1" CONDUIT WITH THROAT BUSHINGS FROM CABLE TRAY THROUGH OTHER WALLS FOR ACCESS TO ALL OTHER DEVICES AS REQUIRED.
- F. PATHWAYS, CONDUIT, DEVICE JUNCTION BOXES FOR ALL LOW VOLTAGE SYSTEMS (SEE GENERAL NOTE A) TO BE BY ELECTRICAL CONTRACTOR. COORDINATE WITH OWNER'S VENDOR.
- G. CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES, AND OWNER'S REPRESENTATIVES FOR SECURITY AND PROJECT MANAGEMENT AT A PREINSTALLATION MEETING CONDUCTED BY THE GENERAL CONTRACTOR.
- H. COORDINATE POWER REQUIREMENTS FOR SYSTEM EQUIPMENT WITH OWNER'S VENDOR PRIOR TO ROUGH-IN.
- I. VERIFY COLOR AND LOCATION OF LOW VOLTAGE WALL AND CEILING MOUNTED DEVICES TO BEST MATCH WITH DECOR AND FINISHES.
- J. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL AND LOW VOLTAGE CONTRACTOR.
- K. CABLES SHALL BE SHELDDED AND PLENUM RATED.
- L. VENDOR SHALL INSTALL CABLES IN CABLE TRAY ON OPPOSITE SIDE OF DIVIDER AND TELECOM CABLING.
- M. PROVIDE SUPPORT FOR CABLES AS NEEDED IN TRANSITION FROM CABLE TRAY TO CONDUIT STUB AT DEVICE AND EQUIPMENT LOCATIONS.
- N. COORDINATE SEALING OF ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS.

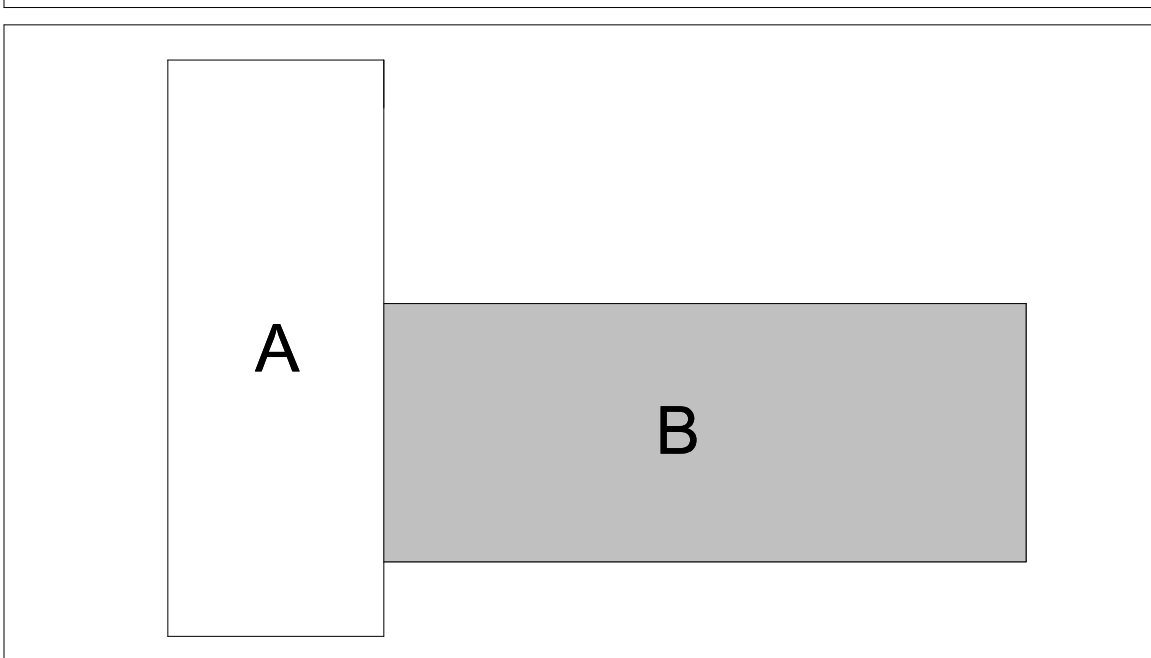
SHEET NOTES:

- 27 10-02 CONDUIT TO MDF ROOM ABOVE FOR CABLE DISTRIBUTION FROM COUNTY DEMARC TO MDF ROOM.
- 27 10-03 FURNISH AND INSTALL (2) 4" CONDUITS FROM BUILDING ENTRANCE FACILITY TO NEW HAND HOLE. REFER TO SITE PLAN FOR EXTENSION OF UNDERGROUND INFRASTRUCTURE FOR FIBER AND COPPER CABLES SERVING NEW BUILDING.
- 27 10-09 FURNISH AND INSTALL MINIMUM OF (2) 4" PVC CONDUITS FROM COUNTY DEMARC TO EXISTING JAIL FOR INTEGRATION OF LOW VOLTAGE SYSTEMS BETWEEN JAIL AND NEW COURTHOUSE. COORDINATE WITH CIVIL FOR ROUTING. VERIFY ADDITIONAL REQUIREMENTS WITH LOW VOLTAGE AND SECURITY SYSTEM INSTALLERS.
- 27 10-24 (3) 4" EMT CONDUIT SLEEVES FOR TELECOM CABLES TO NETWORK ROOM. SEAL WALL PENETRATION AIR-TIGHT AND RESTORE SMOKE AND FIRE RATINGS OF ORIGINAL WALL. BOND COMMON WITH CABLE TRAY AT BOTH ENDS.
- 27 10-36 12" WIDE LADDER STYLE CABLE RACK AT 7'-6" A.F.F. SUPPORTED ENDS ON WALLS AND ABOVE EQUIPMENT RACK WITH MANUFACTURER'S FITTINGS. BOND TO GROUNDING BUSBAR. PROVIDE BOLT-ON CABLE SUPPORT BARS ON BOTH SIDES AT EVERY OTHER RUNG.
- 27 10-54 BONDING BUSBAR ON PLYWOOD AT 7'-4" A.F.F. BOND CABINET TO GROUND. ELECTRICAL TO PROVIDE BOND TO INTERSYSTEM BONDING TERMINATION DEVICE AT SERVICE ENTRANCE.
- 27 10-73 CPI UNIVERSAL RACK (CPI-48353-703) WITH 2-SIDED VERTICAL MANAGERS (CPI-30095-703). BOLT TO CONCRETE FLOOR. ALIGN AS SHOWN WITH OVERHEAD CABLE TRAYS.



1 TELECOM PLAN - BASEMENT
1/8" = 1'-0"

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
200 BROAD STREET, BOISE, ID 83702

JASON L. BRUNSON, P.E.
200 BROAD STREET
BOISE, IDAHO 83702
PHONE: 208-345-4635 FAX: 208-345-1656
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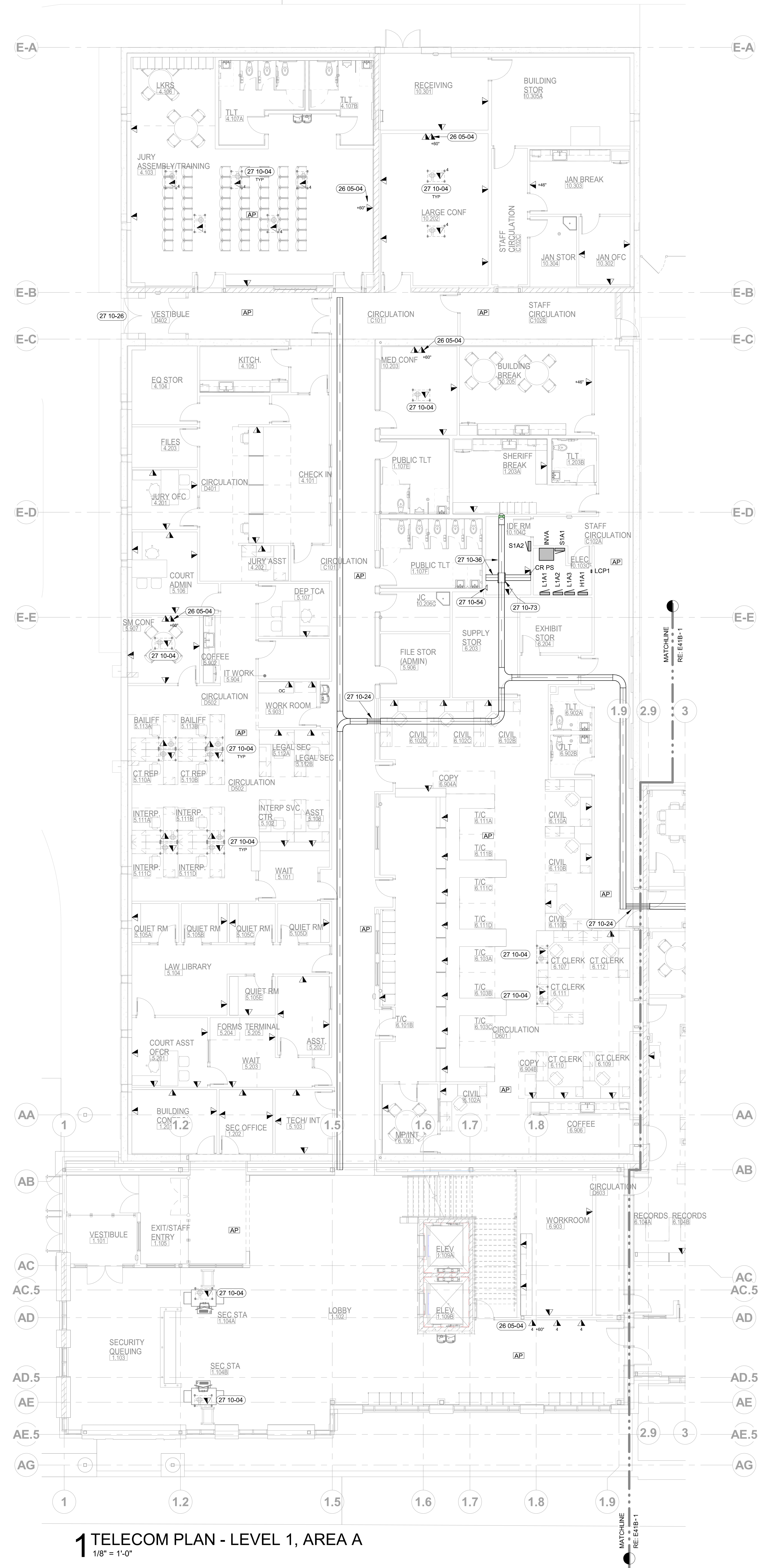
AGENCY REVIEW SET

PROJECT	DATE
21403.000	04-17-23
DRAWN	CHECKED
HLG	JLB
REVISED	

SHEET TITLE
TELECOM PLAN BASEMENT

SHEET
E40

ORIGINAL SHEET SIZE
36" x 48"



1 TELECOM PLAN - LEVEL 1, AREA A
1/8" = 1'-0"

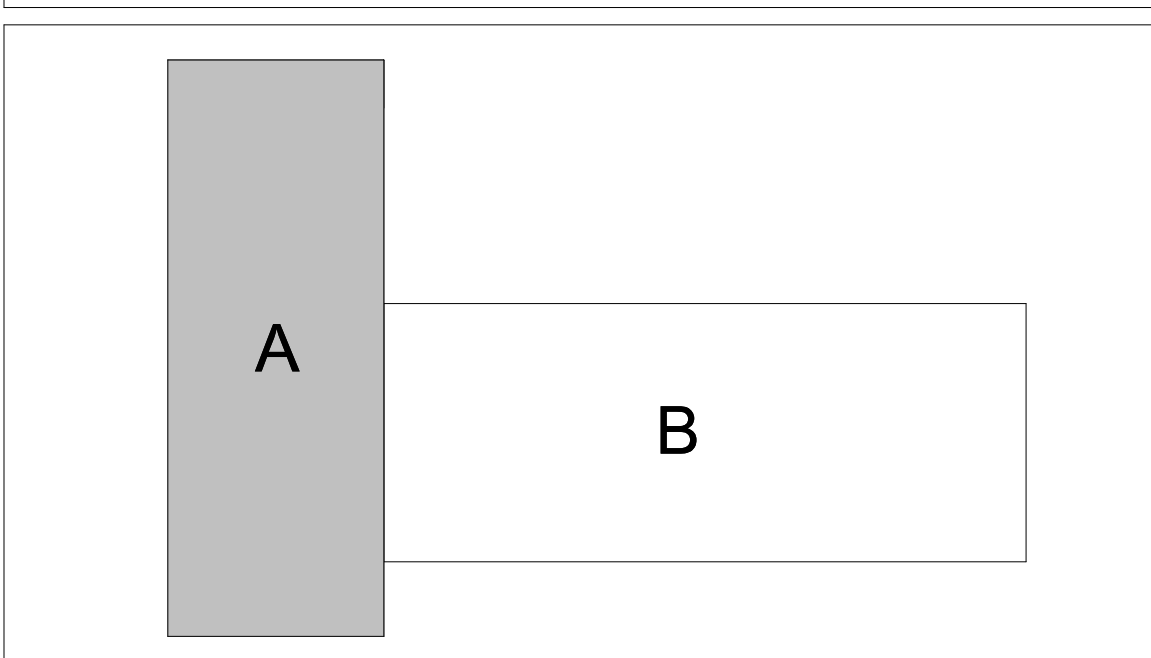
GENERAL NOTES:

- A. SEE SPECIFICATIONS FOR PROJECT REQUIREMENTS.
- B. REFER TO SHEET E00 FOR DEVICE AND SYMBOL SCHEDULE.
- C. VERIFY COLOR AND LOCATION OF LOW VOLTAGE WALL AND CEILING MOUNTED DEVICES TO BEST MATCH WITH DECOR AND FINISHES.
- D. SUPPORT CABLES WITH 4" J-HOOKS ON 48" SPACING WHERE CABLE TRAY OR CONDUIT ARE NOT SHOWN.
- E. CONTRACTOR TO FURNISH AND INSTALL (2) 1" CONDUIT WITH THROAT BUSHINGS, ON EACH END, FROM CABLE TRAY THROUGH CORRIDOR WALLS INTO EACH OFFICE FOR LOW VOLTAGE CABLE DISTRIBUTION. FURNISH AND INSTALL MINIMUM 1" CONDUIT WITH THROAT BUSHINGS FROM CABLE TRAY THROUGH OTHER WALLS FOR ACCESS TO ALL OTHER DEVICES AS REQUIRED.
- F. PATHWAYS, CONDUIT, DEVICE JUNCTION BOXES FOR ALL LOW VOLTAGE SYSTEMS (SEE GENERAL NOTE A) TO BE BY ELECTRICAL CONTRACTOR. COORDINATE WITH OWNER'S VENDOR.
- G. CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES, AND OWNER'S REPRESENTATIVES FOR SECURITY AND PROJECT MANAGEMENT AT A PREINSTALLATION MEETING CONDUCTED BUT THE GENERAL CONTRACTOR.
- H. COORDINATE POWER REQUIREMENTS FOR SYSTEM EQUIPMENT WITH OWNER'S VENDOR PRIOR TO ROUGH-IN.
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- M. PROVIDE SUPPORT FOR CABLES AS NEEDED IN TRANSITION FROM CABLE TRAY TO CONDUIT STUB AT DEVICE AND EQUIPMENT LOCATIONS.
- N. COORDINATE SEALING OF ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS.

(18 00-00) SHEET NOTES:

- 26 05-04 FURNISH AND INSTALL 2-GANG HUBBELL FLAT PANEL CONNECTION ENCLOSURE WITH COVERS FOR WALL MOUNTED TV. PROVIDE AND INSTALL ALL INTERIOR FITTINGS FOR A COMPLETE INSTALLATION. FURNISH AND INSTALL DATA OUTLET IN ENCLOSURE. COORDINATE WITH ELECTRICAL CONTRACTOR INSTALLING A RECEPTACLE IN SAME ENCLOSURE.
- 27 10-04 COMBINATION POWER/DATA FLOOR BOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. ALL PATHWAYS BY ELECTRICAL CONTRACTOR. LOW VOLTAGE COMPONENTS AND LOW VOLTAGE CABLES BY LOW VOLTAGE CONTRACTOR. COORDINATE WITH ELECTRICAL CONTRACTOR AND ELECTRICAL DRAWINGS.
- 27 10-24 (3) 4" EMT CONDUIT SLEEVES FOR TELECOM CABLES TO NETWORK ROOM. SEAL WALL PENETRATION AIR-TIGHT AND RESTORE SMOKE AND FIRE RATINGS OF ORIGINAL WALL. BOND COMMON WITH CABLE TRAY AT BOTH ENDS.
- 27 10-26 POINT OF PRESENCE FOR EXISTING BUILDING DATA SERVICE. SERVICE TO REMAIN ACTIVE UNTIL COMPLETION OF PHASE 1 (AREA B). TRANSFER OF ANY REQUIRED EXISTING LOADS SHALL BE VERIFIED AND COORDINATED PRIOR TO REMOVAL IN PHASE 2 (AREA A).
- 27 10-36 12" WIDE LADDER STYLE CABLE RACK AT 7'-0" A.F.F. SUPPORTED ENDS ON WALLS AND ABOVE EQUIPMENT RACK WITH MANUFACTURER'S FITTINGS. BOND TO GROUNDING BUSBAR. PROVIDE BOLT ON CABLE SUPPORT BARS ON BOTH SIDES, AT EVERY OTHER RUNG.
- 27 10-54 BONDING BUSBAR ON PLYWOOD AT 7'-0" A.F.F. BOND CABINET TO GROUND. ELECTRICAL TO PROVIDE BOND TO INTERSYSTEM BONDING TERMINATION DEVICE AT SERVICE ENTRANCE.
- 27 10-73 CPI UNIVERSAL RACK (CPI-48355-703) WITH 2-SIDED VERTICAL MANAGERS (CPI-30095-703). BOLT TO CONCRETE FLOOR. ALIGN AS SHOWN WITH OVERHEAD CABLE TRAYS.

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
200 BROAD STREET
BOISE, ID 83702



CSHQA
THERON W. WARD JUDICIAL BUILDING
REMODEL & EXPANSION 427 Shoshone St N Twin Falls, ID
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(208) 345-4635 • FAX (208) 345-1656
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AGENCY REVIEW SET

PROJECT	DATE
21403.000	04-17-23
DRAWN	CHECKED
HLG	JLB
REVISED	

SHEET TITLE
TELECOM PLAN LEVEL 1 AREA A

SHEET

E41A

ORIGINAL SHEET SIZE
36" x 48"

COURTROOM LOW VOLTAGE LEGEND:

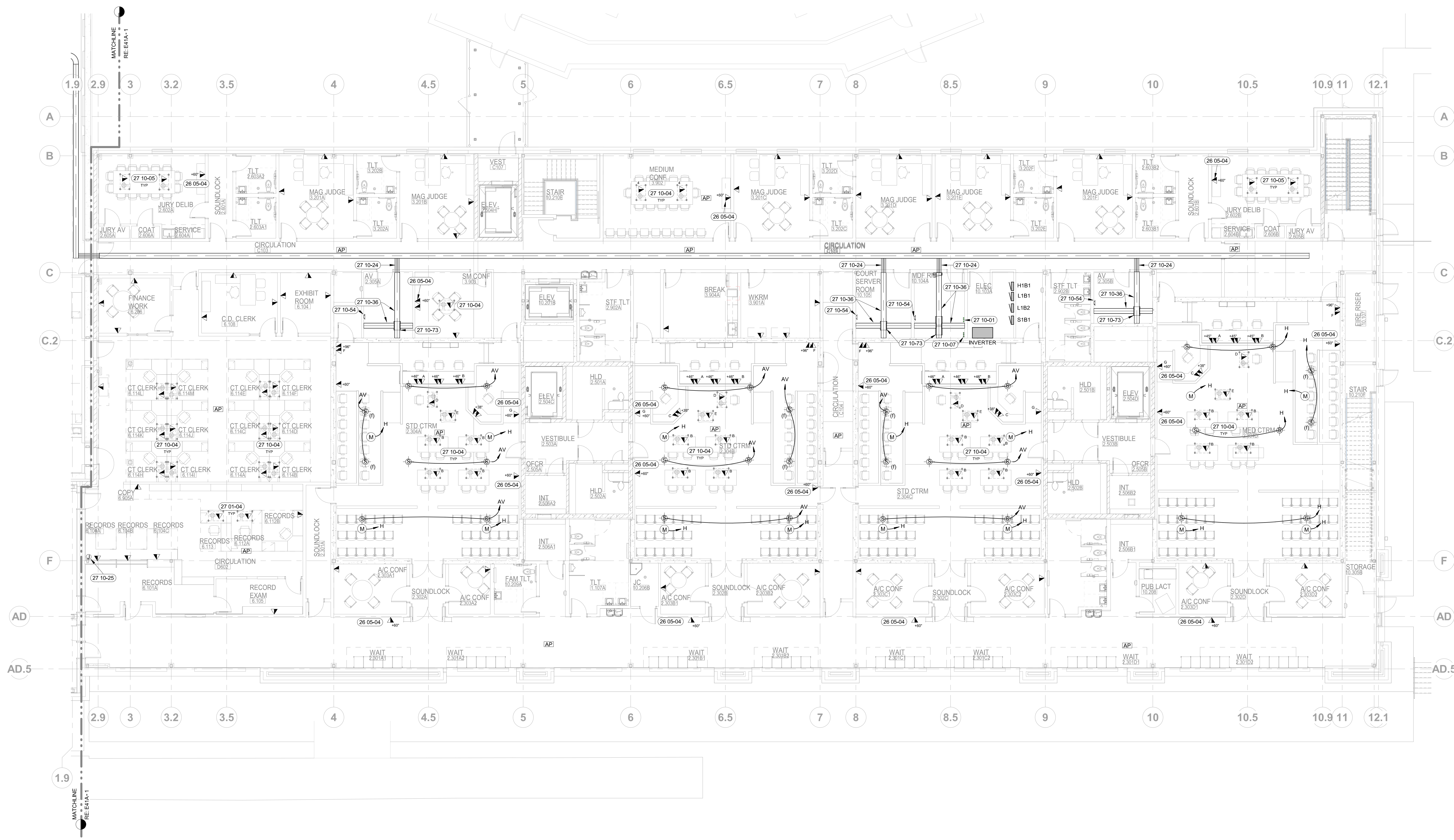
- 4 GANG BOX WITH FACEPLATE TO ACCOMMODATE:**
- A ▲ (1) 3PN XLR MALE TYPE CONNECTOR; (2) CAT6A, RJ45 CONNECTORS
 - B ▲ (2) 3PN XLR MALE TYPE CONNECTOR; (2) CAT6A, RJ45 CONNECTORS
 - C ▲ (1) 3PN XLR MALE TYPE CONNECTOR
 - D ▲ (1) CAT6A, RJ45 CONNECTORS; (1) 0.125" TRS TYPE CONNECTOR
 - E ▲ (1) 3PN XLR MALE TYPE CONNECTOR; (1) CAT6A, RJ45 CONNECTORS
- 2 GANG BOX WITH FACEPLATE TO ACCOMMODATE:**
- F ▲ (1) 3PN XLR MALE TYPE CONNECTOR MOUNT WITH POWER JUST BELOW CEILING - HEARING ASSIST LT-84
 - G ▲ (2) CAT6A, RJ45 CONNECTORS (MOUNT WITH POWER BEHIND OTEN TV)
- CONDUCTOR/CABLE REQUIREMENTS:**
- M 3 CONDUCTOR WIRE RUN CONCEALED IN CEILING FROM THIS LOCATION TO AV CLOSET FOR FUTURE CEILING MICROPHONES; (1) CAT6A RUN CONCEALED IN CEILING FROM THIS LOCATION TO AV CLOSET FOR FUTURE AVB UPGRADE.
 - H (2) CEILING MOUNTED SPEAKERS WIRED TOGETHER WITH A HOMERUN TO THE AV CLOSET; RUN WIRE CONCEALED IN CEILING AND MAKE ALL TERMINATIONS; RUN WIRE ONLY AND COIL WIRE AT EACH END WHERE DESIGNATED FOR FUTURE (I).

GENERAL NOTES:

- A. SEE SPECIFICATIONS FOR PROJECT REQUIREMENTS.
- B. REFER TO SHEET E00 FOR DEVICE AND SYMBOL SCHEDULE.
- C. VERIFY COLOR AND LOCATION OF LOW VOLTAGE WALL AND CEILING MOUNTED DEVICES TO BEST MATCH WITH DECOR AND FINISHES.
- D. SUPPORT CABLES WITH 4" J-HOOKS ON 48" SPACING WHERE CABLE TRAY OR CONDUIT ARE NOT SHOWN.
- E. CONTRACTOR TO FURNISH AND INSTALL (2) 1" CONDUIT WITH THROAT BUSHINGS, ON EACH END, FROM CABLE TRAY THROUGH CORRIDOR WALLS, INTO EACH OFFICE FOR LOW VOLTAGE CABLE DISTRIBUTION. FURNISH AND INSTALL MINIMUM 1" CONDUIT WITH THROAT BUSHINGS FROM CABLE TRAY THROUGH OTHER WALLS FOR ACCESS TO ALL OTHER DEVICES AS REQUIRED.
- F. PATHWAYS, CONDUIT, DEVICE JUNCTION BOXES FOR ALL LOW VOLTAGE SYSTEMS (SEE GENERAL NOTE A) TO BE BY ELECTRICAL CONTRACTOR. COORDINATE WITH OWNER'S VENDOR.
- G. CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES, AND OWNER'S REPRESENTATIVES FOR SECURITY AND PROJECT MANAGEMENT AT A PREINSTALLATION MEETING CONDUCTED BY THE GENERAL CONTRACTOR.
- H. COORDINATE POWER REQUIREMENTS FOR SYSTEM EQUIPMENT WITH OWNER'S VENDOR PRIOR TO ROUGH-IN.
- I. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL AND LOW VOLTAGE CONTRACTOR.
- J. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL AND LOW VOLTAGE CONTRACTOR.
- K. CABLES SHALL BE SHELDDED AND PLENUM RATED.
- L. VENDOR SHALL INSTALL CABLES IN CABLE TRAY ON OPPOSITE SIDE OF DIVIDER AND TELECOM CABLING.
- M. PROVIDE SUPPORT FOR CABLES AS NEEDED IN TRANSITION FROM CABLE TRAY TO CONDUIT STUB AT DEVICE AND EQUIPMENT LOCATIONS.
- N. COORDINATE SEALING OF ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS.

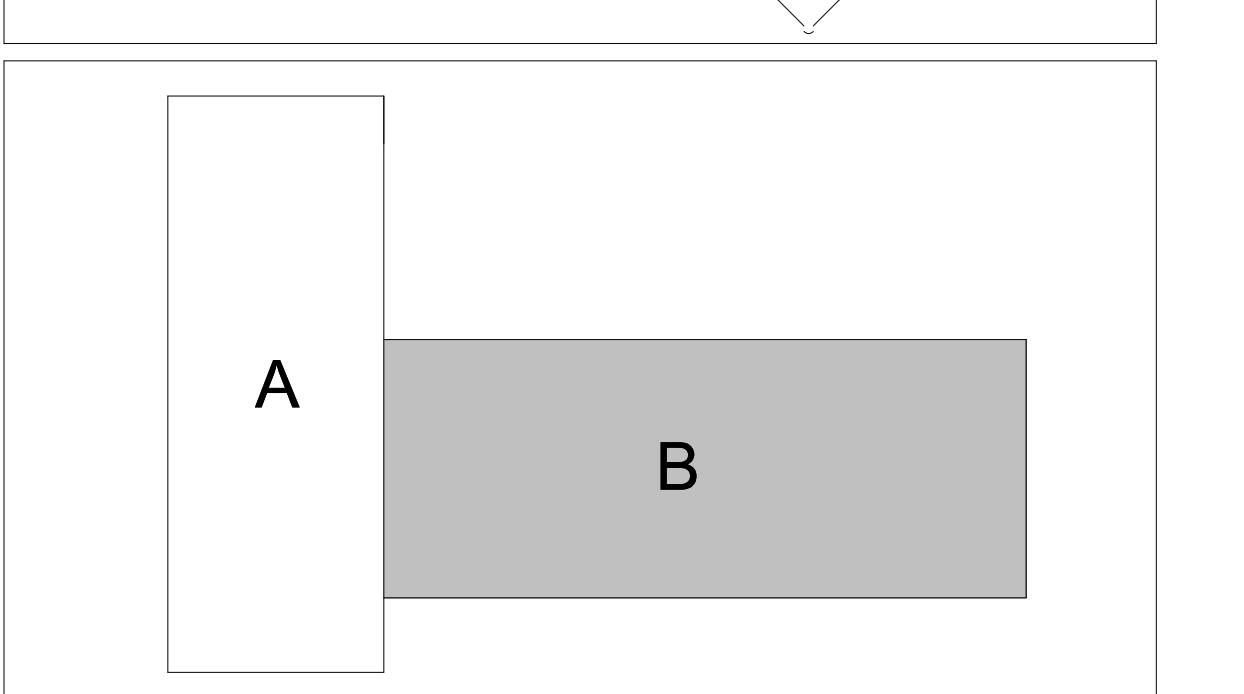
SHEET NOTES:

- 26 05-04 FURNISH AND INSTALL 2-GANG HUBBELL FLAT PANEL CONNECTION ENCLOSURE WITH COVERS FOR WALL MOUNTED TV; PROVIDE AND INSTALL ALL INTERIOR FITTINGS FOR A COMPLETE INSTALLATION. FURNISH AND INSTALL DATA OUTLET IN ENCLOSURE. COORDINATE WITH ELECTRICAL CONTRACTOR INSTALLING A RECEPTACLE IN SAME ENCLOSURE.
- 27 01-04 COORDINATE TIE-IN WITH EXISTING JAIL FOR CAMERAS IN ALL SECURE AREAS.
- 27 10-01 CONDUIT TO STORAGE ROOM BELOW FOR CABLE DISTRIBUTION FROM MDF ROOM TO COUNTY DEMARC.
- 27 10-04 COMBINATION POWER/DATA FLOOR BOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. ALL PATHWAYS BY ELECTRICAL CONTRACTOR. LOW VOLTAGE COMPONENTS AND LOW VOLTAGE CABLES BY LOW VOLTAGE CONTRACTOR. COORDINATE WITH ELECTRICAL CONTRACTOR AND ELECTRICAL DRAWINGS.
- 27 10-05 COMBINATION POWER/DATA FLOOR BOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR WITH PROVISIONS FOR FUTURE LOW VOLTAGE COMPONENTS AS NOTED.
- 27 10-07 CONDUIT TO IDF ROOM ABOVE FOR CABLE DISTRIBUTION.
- 27 10-24 (3) 1/2" EMT CONDUIT SLEEVES FOR TELECOM CABLES TO NETWORK ROOM. SEAL WALL PENETRATION AIR-TIGHT AND RESTORE SMOKE AND FIRE RATINGS OF ORIGINAL WALL. BOND COMMON WITH CABLE TRAY AT BOTH ENDS.
- 27 10-25 COORDINATE NUMBER OF CONDUITS FROM MILLWORK TO ABOVE ACCESSIBLE CEILING FOR DISTRIBUTION OF CABLES REQUIRED FOR EACH STATION.
- 27 10-36 12" WIDE LADDER STYLE CABLE RACK AT 7'4" A.F.F. SUPPORTED ENDS ON WALLS AND ABOVE EQUIPMENT RACK WITH MANUFACTURER'S FITTINGS. BOND TO GROUNDING BUSBAR. PROVIDE BOLT-ON CABLE SUPPORT BARS ON BOTH SIDES, AT EVERY OTHER RING.
- 27 10-54 BONDING BUSBAR ON PLYWOOD AT 7'-0" A.F.F. BOND CABINET TO GROUND. ELECTRICAL TO PROVIDE BOND TO INTERSYSTEM BONDING TERMINATION DEVICE AT SERVICE ENTRANCE.
- 27 10-73 CPI UNIVERSAL RACK (CPH-48355-703) WITH 2-SIDED VERTICAL MANAGERS (CPH-30095-703). BOLT TO CONCRETE FLOOR. ALIGN AS SHOWN WITH OVERHEAD CABLE TRAYS.



1 TELECOM PLAN - LEVEL 1, AREA B
1/8" = 1'-0"

KEY PLAN:



JASON L. BRUNSON, P.E.
200 BROAD STREET
BOISE, IDAHO 83702
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http://www.cshqa.com

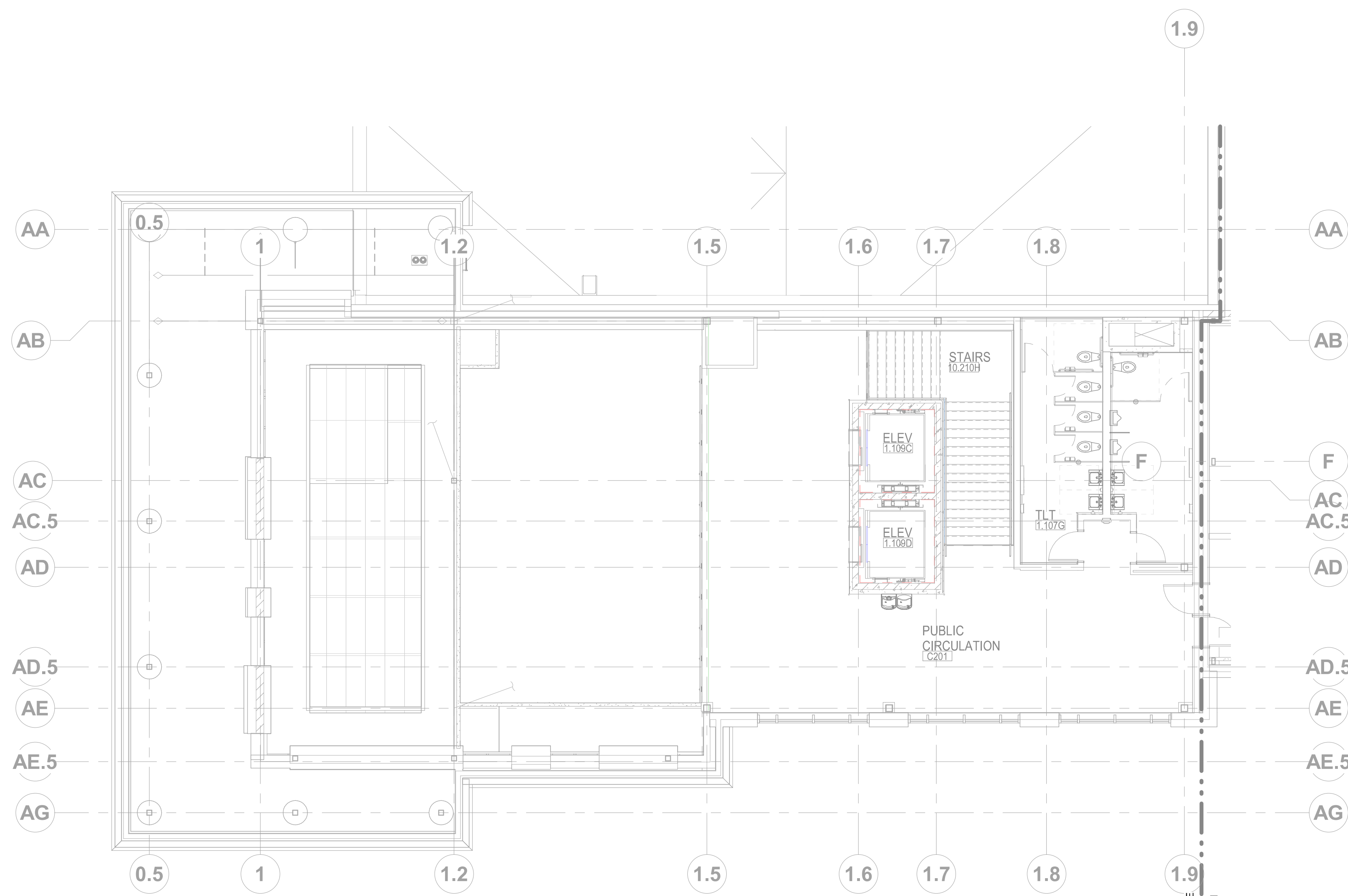
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PROJECT	DATE
21403.000	04-17-23
DRAWN	CHECKED
HLG	JLB
REVISED	

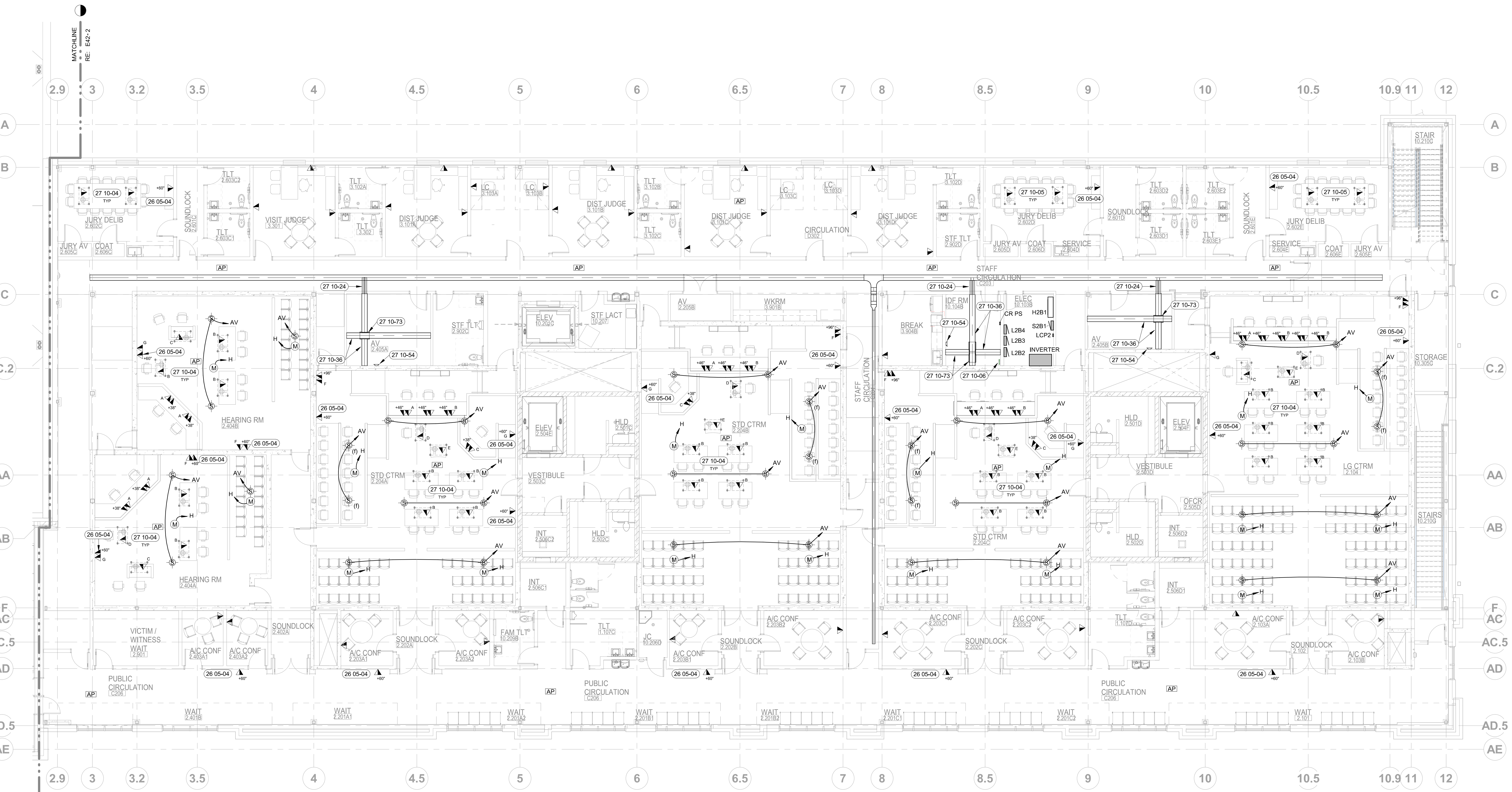
TELECOM PLAN LEVEL 1 AREA B

E41B

ORIGINAL SHEET SIZE
36" x 48"



2 TELECOM PLAN - LEVEL 2, AREA A
1/8" = 1'-0"



1 TELECOM PLAN - LEVEL 2, AREA B
1/8" = 1'-0"

COURTROOM LOW VOLTAGE LEGEND:

- 4 GANG BOX WITH FACEPLATE TO ACCOMMODATE:**
- A ▲ (1) 3PIN XLR MALE TYPE CONNECTOR; (2) CAT6A, R45 CONNECTORS
 - B ▲ (2) 3PIN XLR MALE TYPE CONNECTOR; (2) CAT6A, R45 CONNECTORS
 - C ▲ (1) 3PIN XLR MALE TYPE CONNECTOR
 - D ▲ (1) CAT6A, R45 CONNECTORS; (1) 0.125" TRS TYPE CONNECTOR
 - E ▲ (1) 3PIN XLR MALE TYPE CONNECTOR; (1) CAT6A, R45 CONNECTORS
- 2 GANG BOX WITH FACEPLATE TO ACCOMMODATE:**
- F ▲ (1) 3PIN XLR MALE TYPE CONNECTOR; (MOUNT WITH POWER JUST BELOW CEILING - HEARING ASSIST L1-94)
 - G ▲ (2) CAT6A, R45 CONNECTORS; (MOUNT WITH POWER BEHIND DTEN TV)
- CONDUCTOR/CABLE REQUIREMENTS:**
- M (1) 3 CONDUCTOR WIRE RUN CONCEALED IN CEILING FROM THIS LOCATION TO AV CLOSET FOR FUTURE CEILING MICROPHONES; (1) CAT6A RUN CONCEALED IN CEILING FROM THIS LOCATION TO AV CLOSET FOR FUTURE AVB UPGRADE.
 - H (2) CEILING MOUNTED SPEAKERS WIRED TOGETHER WITH A HOMERUN TO THE AV CLOSET. RUN WIRE ONLY AND COIL WIRE AT EACH END WHERE DESIGNATED FOR FUTURE (I).

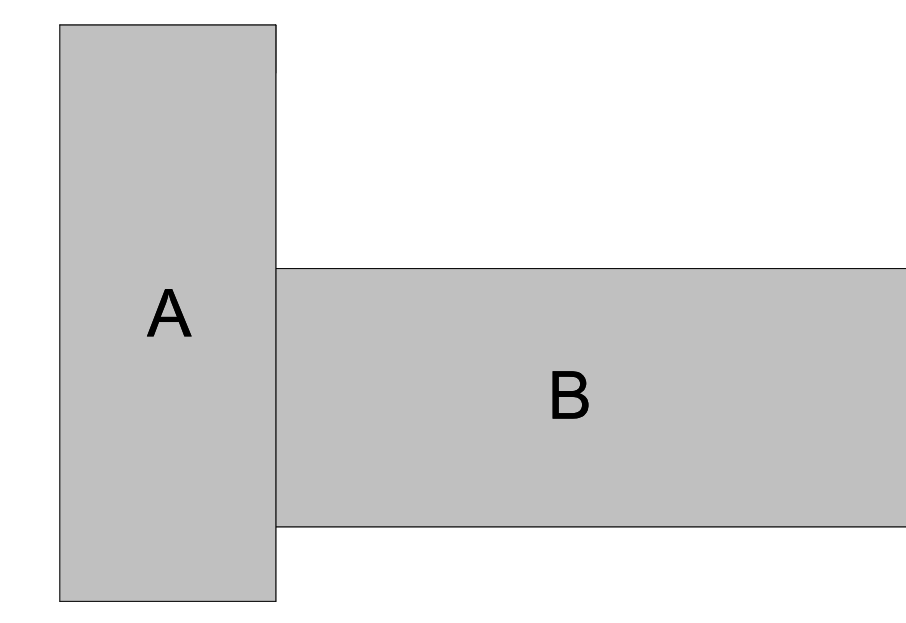
GENERAL NOTES:

- A. SEE SPECIFICATIONS FOR PROJECT REQUIREMENTS.
- B. REFER TO SHEET E00 FOR DEVICE AND SYMBOL SCHEDULE.
- C. VERIFY COLOR AND LOCATION OF LOW VOLTAGE WALL AND CEILING MOUNTED DEVICES TO BEST MATCH WITH DECOR AND FINISHES.
- D. SUPPORT CABLES WITH 4" J-HOOKS ON 48" SPACING WHERE CABLE TRAY OR CONDUIT ARE NOT SHOWN.
- E. CONTRACTOR TO FURNISH AND INSTALL (2) 1" CONDUIT WITH THROAT BUSHINGS, ON EACH END, FROM CABLE TRAY THROUGH CORRIDOR WALLS, INTO EACH OFFICE FOR LOW VOLTAGE CABLE DISTRIBUTION. FURNISH AND INSTALL MINIMUM 1" CONDUIT WITH THROAT BUSHINGS FROM CABLE TRAY THROUGH OTHER WALLS FOR ACCESS TO ALL OTHER DEVICES AS REQUIRED.
- F. PATHWAYS, CONDUIT, DEVICE JUNCTION BOXES FOR ALL LOW VOLTAGE SYSTEMS (SEE GENERAL NOTE A) TO BE BY ELECTRICAL CONTRACTOR. COORDINATE WITH OWNER'S VENDOR.
- G. CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES, AND OWNER'S REPRESENTATIVES FOR SECURITY AND PROJECT MANAGEMENT AT A PREINSTALLATION MEETING CONDUCTED BY THE GENERAL CONTRACTOR.
- H. COORDINATE POWER REQUIREMENTS FOR SYSTEM EQUIPMENT WITH OWNER'S VENDOR PRIOR TO ROUGH-IN.
- I. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL AND LOW VOLTAGE CONTRACTOR.
- K. CABLES SHALL BE SHELDDED AND PLENUM RATED.
- L. VENDOR SHALL INSTALL CABLES IN CABLE TRAY ON OPPOSITE SIDE OF DIVIDER AND TELECOM CABLING.
- M. PROVIDE SUPPORT FOR CABLES AS NEEDED IN TRANSITION FROM CABLE TRAY TO CONDUIT STUD AT DEVICE AND EQUIPMENT LOCATIONS.
- N. COORDINATE SEALING OF ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS.

(18 00-00) SHEET NOTES:

- 26 05-04 FURNISH AND INSTALL 2-GANG HUBBELL FLAT PANEL CONNECTION ENCLOSURE WITH COVER FOR WALL MOUNTED TV. PROVIDE AND INSTALL ALL INTERIOR FITTINGS FOR A COMPLETE INSTALLATION. FURNISH AND INSTALL DATA OUTLET IN ENCLOSURE. COORDINATE WITH ELECTRICAL CONTRACTOR INSTALLING A RECEPTACLE IN SAME ENCLOSURE.
- 27 10-04 COMBINATION POWER/DATA FLOOR BOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. ALL PATHWAYS BY ELECTRICAL CONTRACTOR. LOW VOLTAGE COMPONENTS AND LOW VOLTAGE CABLES BY LOW VOLTAGE CONTRACTOR. COORDINATE WITH ELECTRICAL CONTRACTOR AND ELECTRICAL DRAWINGS.
- 27 10-05 COMBINATION POWER/DATA FLOOR BOX FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR WITH PROVISIONS FOR FUTURE LOW VOLTAGE COMPONENTS AS NOTED.
- 27 10-06 CONDUIT TO MDF ROOM BELOW FOR CABLE DISTRIBUTION
- 27 10-24 (3) 4" EMT CONDUIT SLEEVES FOR TELECOM CABLES TO NETWORK ROOM. SEAL WALL PENETRATION AIR-TIGHT AND RESTORE SHIMS AND FIRE RATING OF ORIGINAL WALL. BOND COMMON WITH CABLE TRAY AT BOTH ENDS.
- 27 10-36 12" WIDE LADDER STYLE CABLE RACK AT 7'-0" A.F.F. SUPPORTED ENDS ON WALLS AND ABOVE EQUIPMENT RACK WITH MANUFACTURER'S FITTINGS. BOND TO GROUNDING BUSBAR. PROVIDE BOLT-ON CABLE SUPPORT BARS ON BOTH SIDES. AT EVERY OTHER RUNS.
- 27 10-54 BONDING BUSBAR ON PLYWOOD AT 7'-0" A.F.F. BOND CABINET TO GROUND. ELECTRICAL TO PROVIDE BOND TO INTERSYSTEM BONDING TERMINATION DEVICE AT SERVICE ENTRANCE.
- 27 10-73 CPI UNIVERSAL RACK (CPI-4833-103) WITH 3-SIDED VERTICAL MANAGERS (CPI-3006-103). BOLT TO CONCRETE FLOOR. ALIGN AS SHOWN WITH OVERHEAD CABLE TRAYS.

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
CSHQA, 200 BROAD STREET, BOISE, ID 83702

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200 BROAD STREET
BOISE, IDAHO 83702
PHONE: (208) 345-4635 FAX: (208) 345-1656
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TWIN FALLS, IDAHO
200 BROAD STREET
BOISE, ID 83702
PHONE: (208) 345-4635 FAX: (208) 345-1656
WWW.CSHQA.COM

**THERON W. WARD JUDICIAL BUILDING
REMODEL & EXPANSION** 427 Shoshone St N Twin Falls, ID

AGENCY REVIEW SET

PROJECT	DATE
21403.000	04-17-23
DRAWN	CHECKED
HLG	JLB
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CSHQA

SHEET TITLE
TELECOM PLAN LEVEL 2

SHEET
E42

ORIGINAL SHEET SIZE
36" x 48"

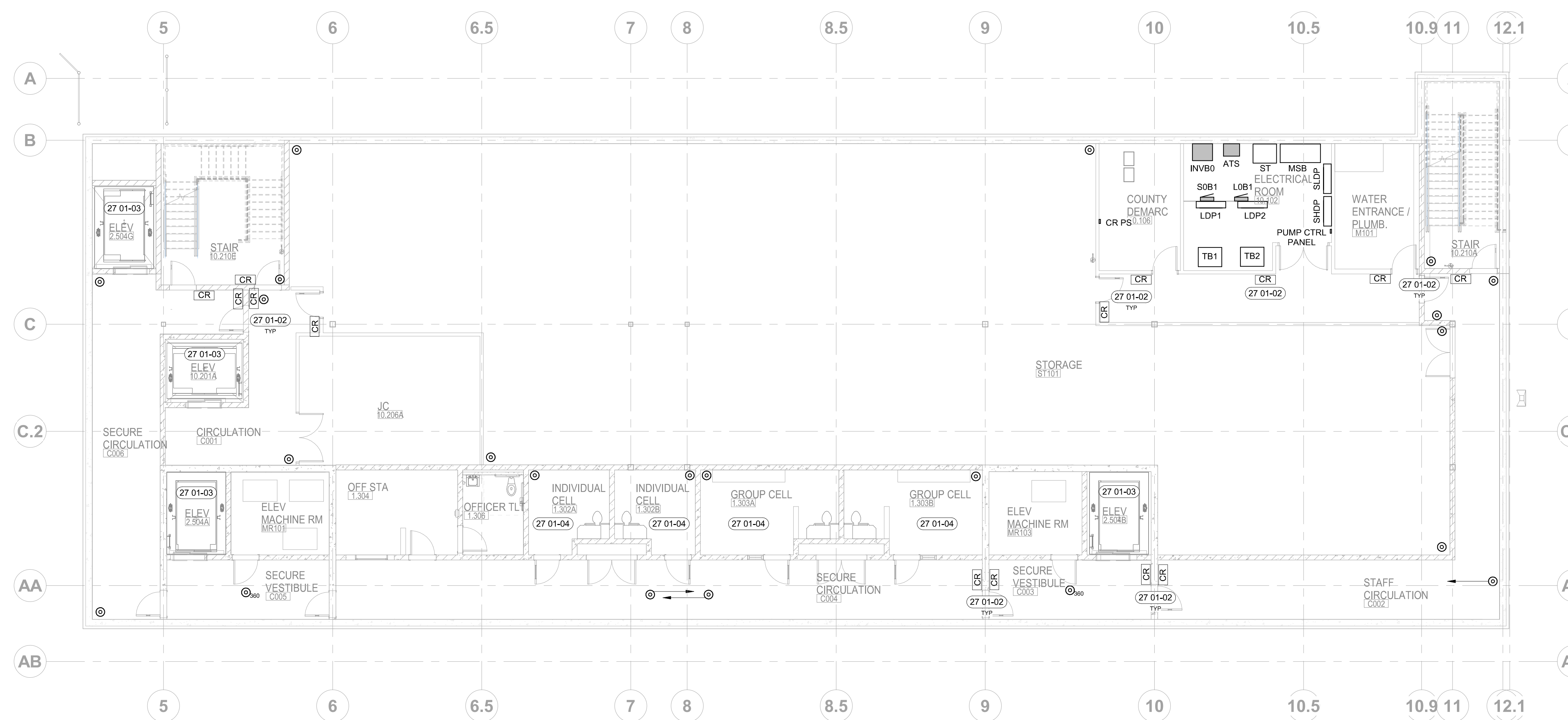
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GENERAL NOTES:

- A. PATHWAYS, CONDUIT, DEVICE JUNCTION BOXES FOR ALL LOW VOLTAGE SYSTEMS (SEE GENERAL NOTE A) TO BE BY ELECTRICAL CONTRACTOR. COORDINATE WITH OWNER'S VENDOR.
- B. SEE SHEET E00 FOR DEVICE AND SYMBOL SCHEDULE.
- C. CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES AND OWNER'S REPRESENTATIVES FOR SECURITY AND PROJECT MANAGEMENT AT A PREINSTALLATION MEETING CONDUCTED BY THE GENERAL CONTRACTOR.
- D. COORDINATE POWER REQUIREMENTS FOR SYSTEM EQUIPMENT WITH OWNER'S VENDOR PRIOR TO ROUGH-IN.
- E. VERIFY COLOR AND LOCATION OF LOW VOLTAGE WALL AND CEILING MOUNTED DEVICES TO BEST MATCH WITH DECOR AND FINISHES.
- F. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL AND LOW VOLTAGE CONTRACTOR FOR PATHWAYS INDICATED ON TELECOM PLANS, AND MAY USE SAME PATHWAYS AS OTHER LOW VOLTAGE CABLING.
- G. CABLES SHALL BE SHIELDED AND PLENUM RATED.
- H. VENDOR SHALL INSTALL CABLES IN CABLE TRAY ON OPPOSITE SIDE OF DIVIDER AS TELECOM CABLING.
- I. CABLING MAY USE SAME CONDUIT SLEEVES THROUGH WALLS AND FLOORS AS TELECOM CONTRACTOR.
- J. PROVIDE SUPPORT FOR CABLES AS NEEDED IN TRANSITION FROM CABLE TRAY TO CONDUIT STUB AT DEVICE AND EQUIPMENT LOCATIONS.
- K. COORDINATE WITH DIVISION 28 SECURITY HARDWARE AND EXISTING JAIL SYSTEMS FOR ALL CONTROL REQUIREMENTS.

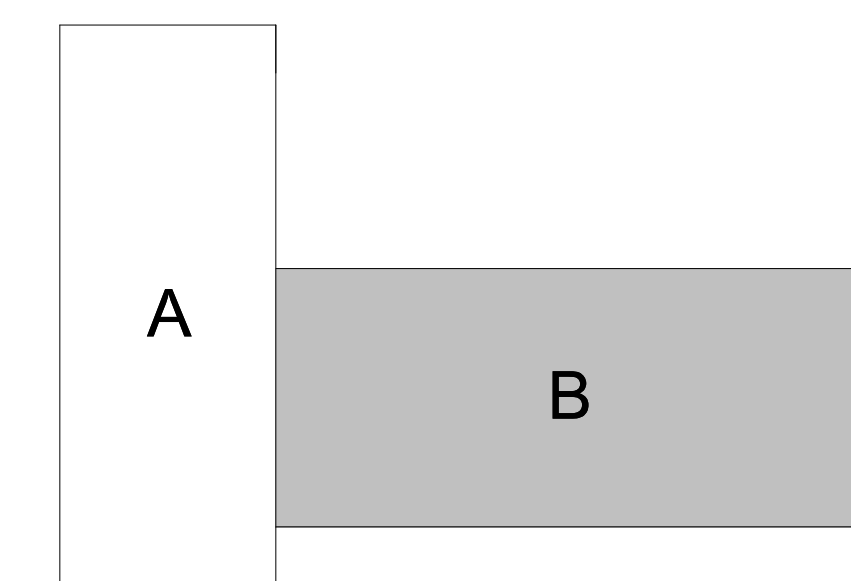
SHEET NOTES:

- 27-01-02 CARD READER. COORDINATE WITH LOW VOLTAGE CONTRACTOR.
- 27-01-03 SEE E51A AND E51B - SECURITY PLAN LEVEL 1 FOR SECURITY CAMERAS LOCATED IN ELEVATORS. COORDINATE ALL REQUIREMENTS FOR MOUNTING AND CONNECTION OF CAMERAS WITH ELEVATOR MANUFACTURER.
- 27-01-04 COORDINATE TIE-IN WITH EXISTING JAIL FOR CAMERAS IN ALL SECURE AREAS.



1 SECURITY PLAN - BASEMENT
1/8" = 1'-0"

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
200 BROAD STREET, BOISE, ID 83702

JASON L. BRUNSON, P.E.
200 BROAD STREET
BOISE, IDAHO 83702
PHONE: (208) 345-4635 FAX: (208) 345-1656
WWW.CSHQA.COM
I AM AN EQUAL OPPORTUNITY EMPLOYER
I AM AN AFFIRMATIVE ACTION EMPLOYER
I AM AN EQUAL OPPORTUNITY CONTRACTOR
I AM AN AFFIRMATIVE ACTION CONTRACTOR
I AM AN EQUAL OPPORTUNITY SUBCONTRACTOR
I AM AN AFFIRMATIVE ACTION SUBCONTRACTOR
I AM AN EQUAL OPPORTUNITY SUPPLIER
I AM AN AFFIRMATIVE ACTION SUPPLIER



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200 BROAD STREET
BOISE, ID 83702
(208) 345-4635 • FAX (208) 345-1656
http://www.cshqa.com

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PROJECT	DATE
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SHEET TITLE
SECURITY PLAN BASEMENT

SHEET
E50

ORIGINAL SHEET SIZE
36" x 48"



1 SECURITY PLAN - LEVEL 1, AREA A
1/8" = 1'-0"

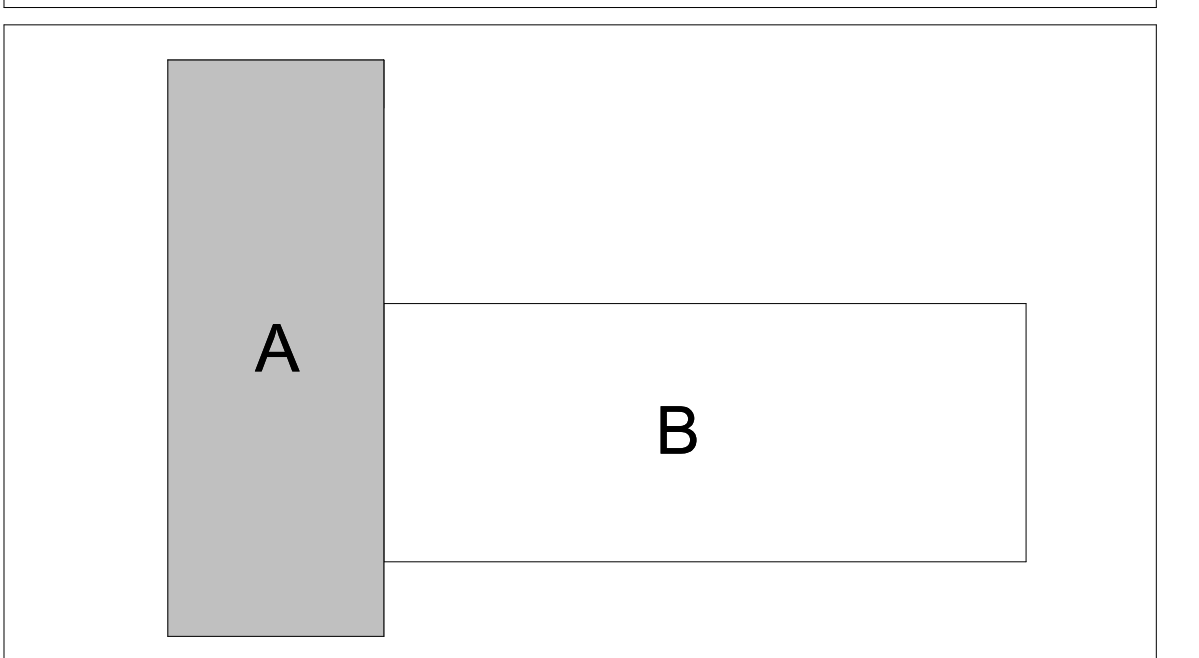
GENERAL NOTES:

- A. PATHWAYS, CONDUIT, DEVICE, JUNCTION BOXES FOR ALL LOW VOLTAGE SYSTEMS (SEE GENERAL NOTE A) TO BE BY ELECTRICAL CONTRACTOR. COORDINATE WITH OWNER'S VENDOR.
- B. SEE SHEET E50 FOR DEVICE AND SYMBOL SCHEDULE.
- C. CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES AND OWNER'S REPRESENTATIVES FOR SECURITY AND PROJECT MANAGEMENT AT A PREINSTALLATION MEETING CONDUCTED BY THE GENERAL CONTRACTOR.
- D. COORDINATE POWER REQUIREMENTS FOR SYSTEM EQUIPMENT WITH OWNER'S VENDOR PRIOR TO ROUGH-IN.
- E. VERIFY COLOR AND LOCATION OF LOW VOLTAGE WALL AND CEILING MOUNTED DEVICES TO BEST MATCH WITH DECOR AND FINISHES.
- F. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL AND LOW VOLTAGE CONTRACTOR FOR PATHWAYS INDICATED ON TELECOM PLANS, AND MAY USE SAME PATHWAYS AS OTHER LOW VOLTAGE CABLING.
- G. CABLES SHALL BE SHIELDED AND PLENUM RATED.
- H. VENDOR SHALL INSTALL CABLES IN CABLE TRAY ON OPPOSITE SIDE OF DIVIDER AS TELECOM CABLING.
- I. CABLING MAY USE SAME CONDUIT SLEEVES THROUGH WALLS AND FLOORS AS TELECOM CONTRACTOR.
- J. PROVIDE SUPPORT FOR CABLES AS NEEDED IN TRANSITION FROM CABLE TRAY TO CONDUIT STUB AT DEVICE AND EQUIPMENT LOCATIONS.
- K. COORDINATE WITH DIVISION 28 SECURITY HARDWARE AND EXISTING JAIL SYSTEMS FOR ALL CONTROL REQUIREMENTS.

SHEET NOTES:

- 26 03-07 COORDINATE POWER REQUIREMENTS WITH ELECTRICIAN. SEE POWER PLAN FOR CIRCUIT INFORMATION.
- 27 01-01 PANIC ALARM - LOCATION WITHIN CUBICLE AREA TO BE COORDINATED WITH USERS.
- 27 01-02 CARD READER, COORDINATE WITH LOW VOLTAGE CONTRACTOR.
- 27 01-05 COORDINATE FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL EXTERIOR CAMERAS.

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
200 BROAD STREET
BOISE, ID 83702

JASON L. BRUNSON, P.E.
200 BROAD STREET
BOISE, IDAHO 83702
PHONE: (208) 345-4635 FAX: (208) 345-1656
WWW.CSHQA.COM
CSHQA IS AN EQUAL OPPORTUNITY AND AFFIRMATIVE ACTION EMPLOYER. WE DO NOT DISCRIMINATE ON THE BASIS OF RACE, GENDER, RELIGION, NATIONAL ORIGIN, ANCESTRY, COLOR, SEX, SEXUAL ORIENTATION, MARITAL STATUS, AGE, OR DISABILITY. IF YOU ARE AN INDIVIDUAL WITH A DISABILITY AND YOU NEED ACCOMMODATION TO PARTICIPATE IN THIS PROCESS, PLEASE CONTACT US AT (208) 345-4635. TDD: (208) 345-1656.



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http://www.cshqa.com

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SHEET TITLE
SECURITY PLAN LEVEL 1 AREA A

SHEET
E51A

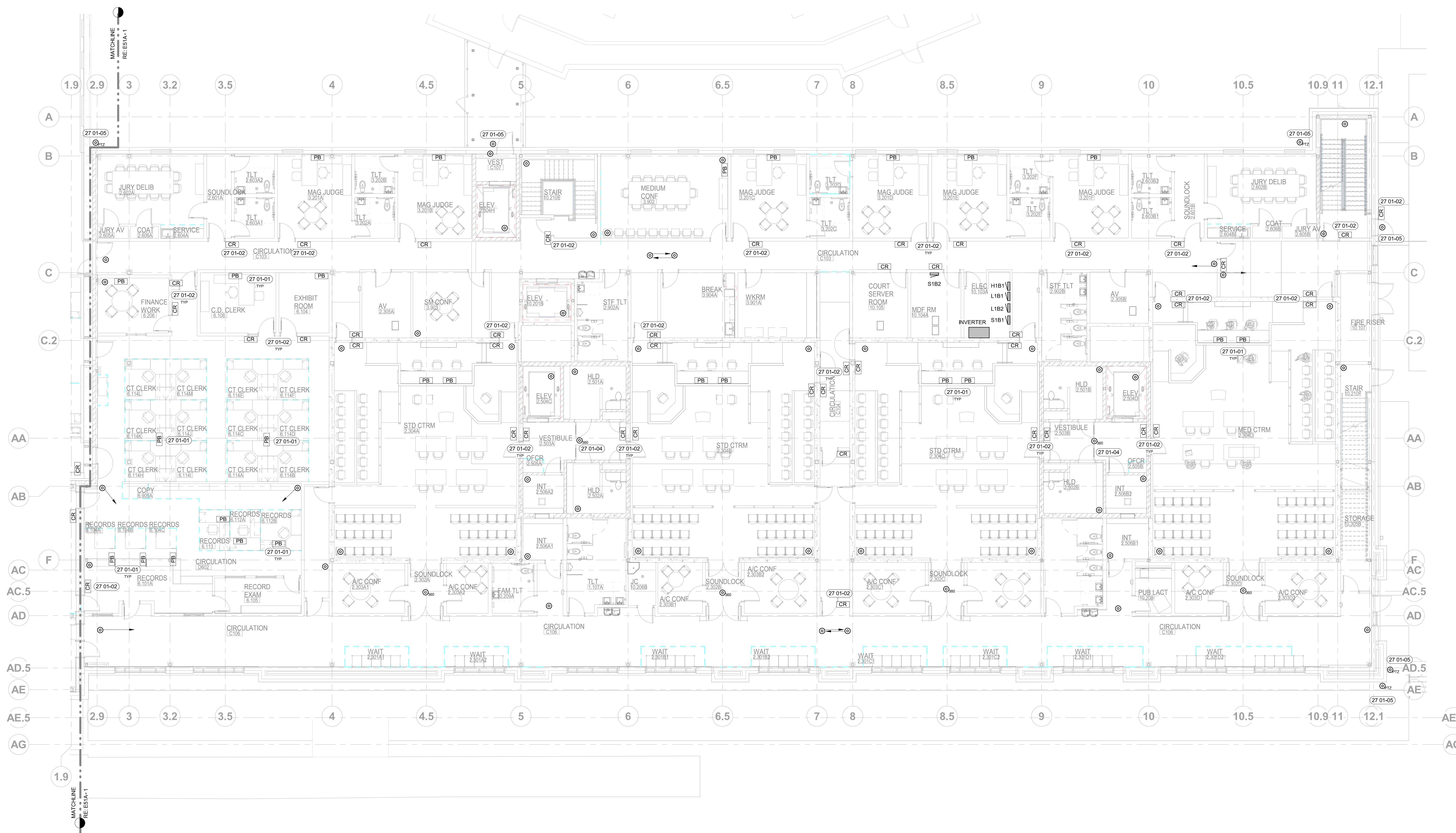
ORIGINAL SHEET SIZE
36" x 48"

GENERAL NOTES:

- A. PATHWAYS, CONDUIT, DEVICE, JUNCTION BOXES FOR ALL LOW VOLTAGE SYSTEMS (SEE GENERAL NOTE A) TO BE BY ELECTRICAL CONTRACTOR. COORDINATE WITH OWNER'S VENDOR.
- B. SEE SHEET E00 FOR DEVICE AND SYMBOL SCHEDULE.
- C. CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES AND OWNER'S REPRESENTATIVES FOR SECURITY AND PROJECT MANAGEMENT AT A PREINSTALLATION MEETING CONDUCTED BY THE GENERAL CONTRACTOR.
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- G. CABLES SHALL BE SHIELDED AND PLENUM RATED.
- H. VENDOR SHALL INSTALL CABLES IN CABLE TRAY ON OPPOSITE SIDE OF DIVIDER AS TELECOM CABLING.
- I. CABLING MAY USE SAME CONDUIT SLEEVES THROUGH WALLS AND FLOORS AS TELECOM CONTRACTOR.
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- K. COORDINATE WITH DIVISION 28 SECURITY HARDWARE AND EXISTING JAIL SYSTEMS FOR ALL CONTROL REQUIREMENTS.

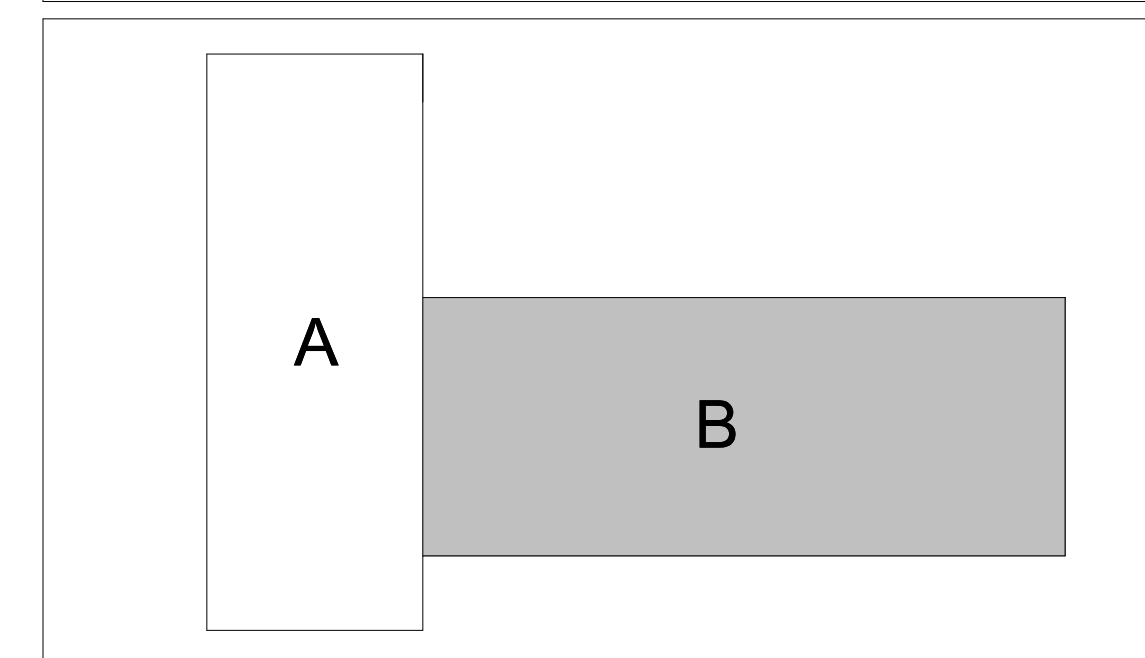
SHEET NOTES:

- 27 01-01 PANIC ALARM - LOCATION WITHIN CUBICLE AREA TO BE COORDINATED WITH USERS.
- 27 01-02 CARD READER. COORDINATE WITH LOW VOLTAGE CONTRACTOR.
- 27 01-04 COORDINATE TIE-IN WITH EXISTING JAIL FOR CAMERAS IN ALL SECURE AREAS.
- 27 01-05 COORDINATE FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL EXTERIOR CAMERAS.



1 SECURITY PLAN - LEVEL 1, AREA B
1/8" = 1'-0"

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
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BOISE, ID 83702

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200 BROAD STREET
BOISE, IDAHO 83702
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WWW.CSHQA.COM
I AM AN EQUAL OPPORTUNITY EMPLOYER
THE INFORMATION ON THIS PLAN IS THE PROPERTY OF CSHQA. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CSHQA.



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AGENCY REVIEW SET

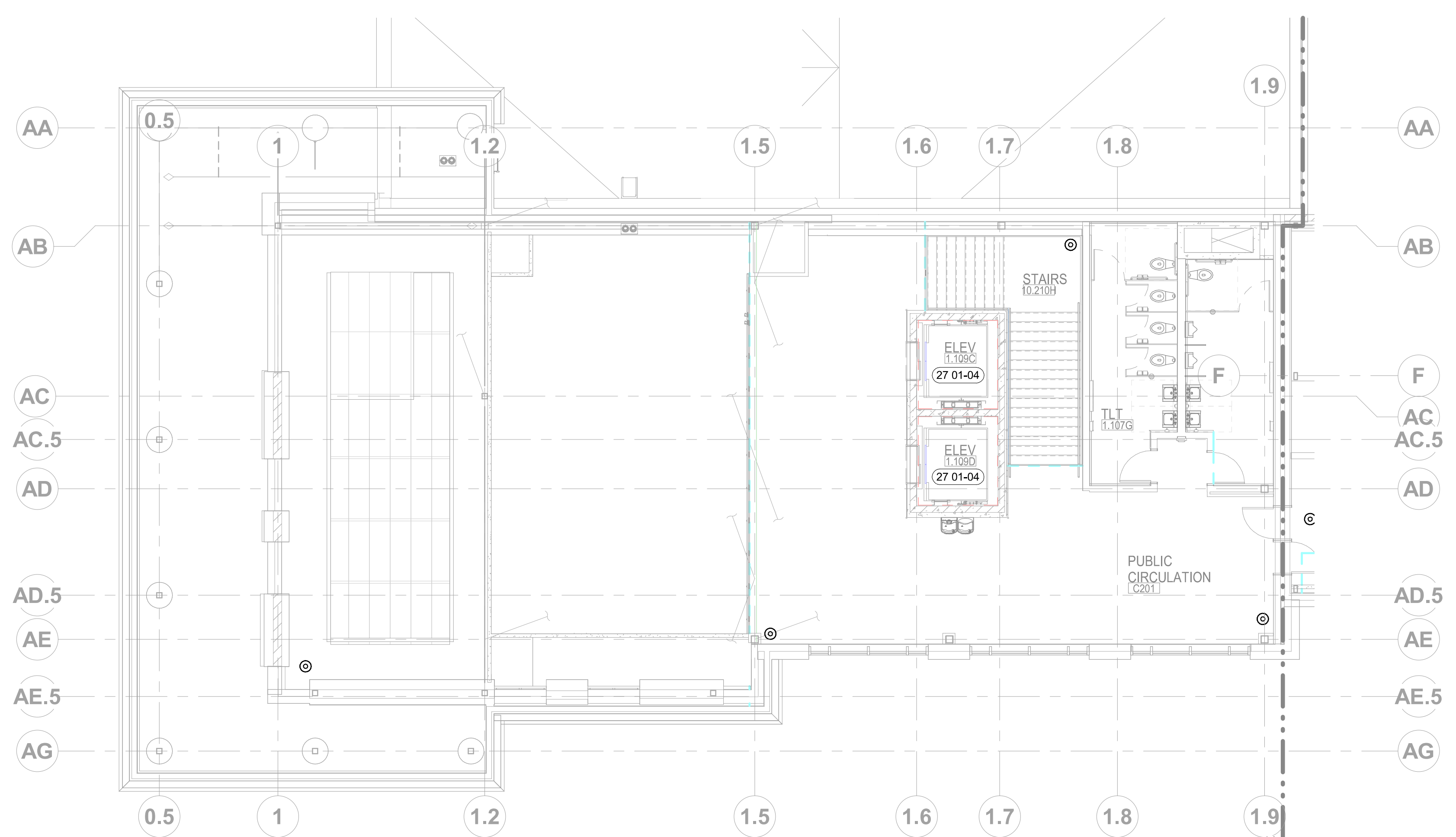
PROJECT	DATE
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DRAWN	CHECKED
HLG	JLB
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SHEET TITLE
SECURITY PLAN LEVEL 1 AREA B

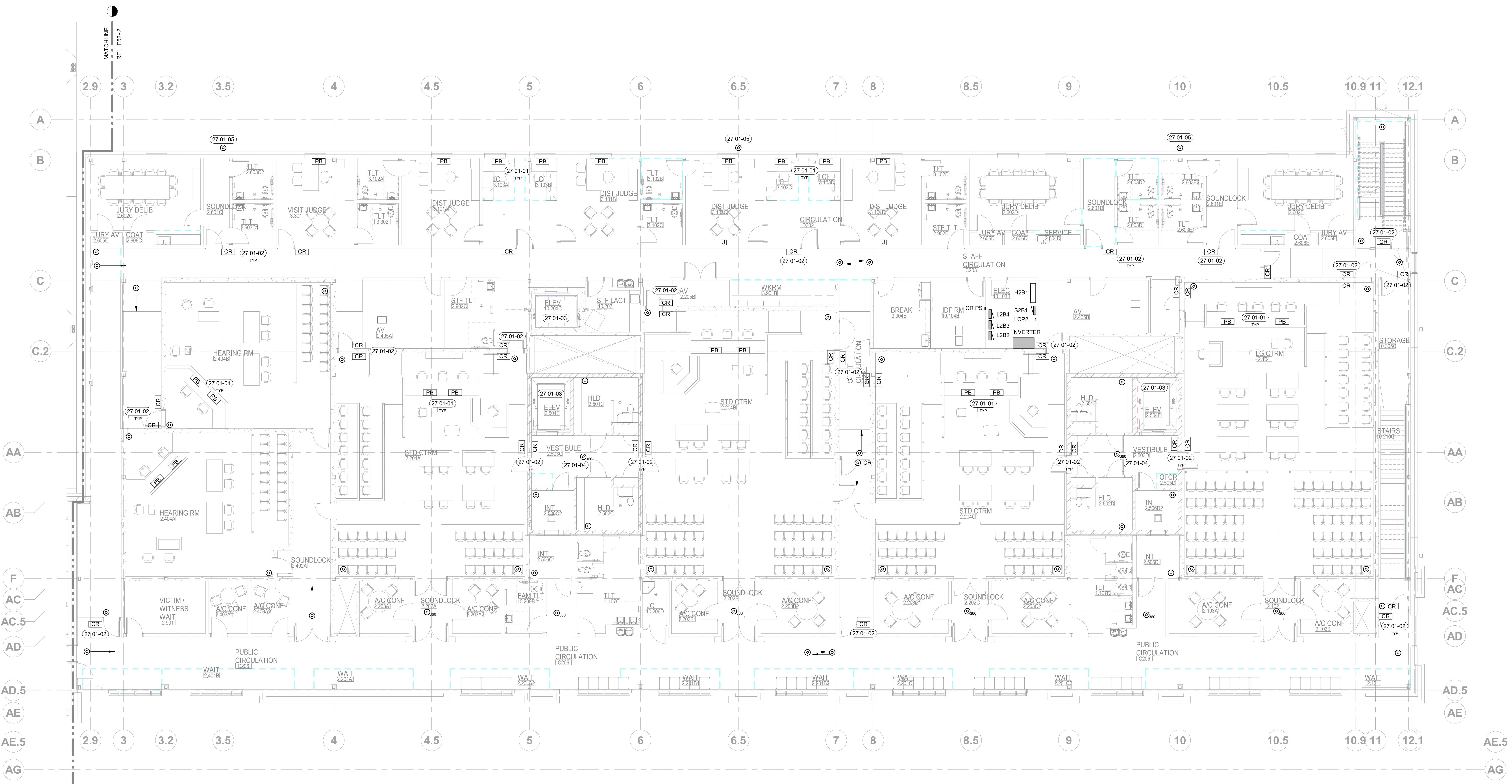
SHEET

E51B

ORIGINAL SHEET SIZE
36" x 48"



2 SECURITY PLAN - LEVEL 2, AREA A
1/8" = 1'-0"



1 SECURITY PLAN - LEVEL 2, AREA B
1/8" = 1'-0"

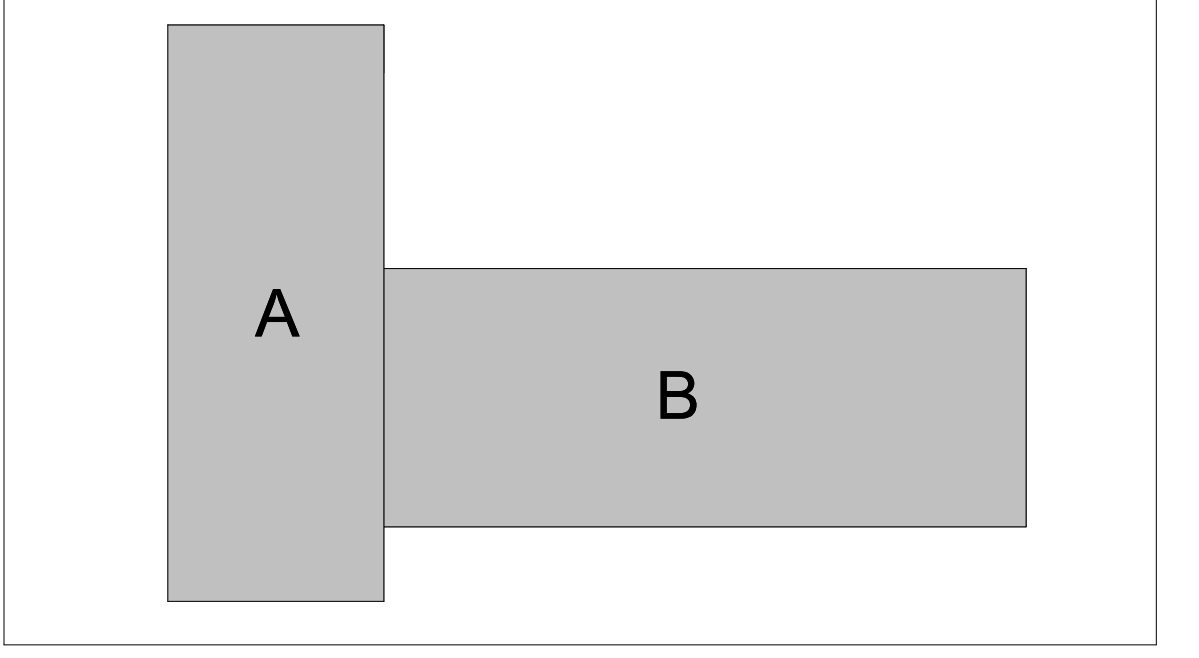
GENERAL NOTES:

- A. PATHWAYS, CONDUIT, DEVICE, JUNCTION BOXES FOR ALL LOW VOLTAGE SYSTEMS (SEE GENERAL NOTE A) TO BE BY ELECTRICAL CONTRACTOR. COORDINATE WITH OWNER'S VENDOR.
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- J. PROVIDE SUPPORT FOR CABLES AS NEEDED IN TRANSITION FROM CABLE TRAY TO CONDUIT STUB AT DEVICE AND EQUIPMENT LOCATIONS.
- K. COORDINATE WITH DIVISION 28 SECURITY HARDWARE AND EXISTING JAIL SYSTEMS FOR ALL CONTROL REQUIREMENTS.

SHEET NOTES:

- 27.01-01 PANIC ALARM - LOCATION WITHIN CUBICLE AREA TO BE COORDINATED WITH USERS.
- 27.01-02 CARD READER: COORDINATE WITH LOW VOLTAGE CONTRACTOR.
- 27.01-03 SEE E51A AND E51B - SECURITY PLAN LEVEL 1 FOR SECURITY CAMERAS LOCATED IN ELEVATORS. COORDINATE ALL REQUIREMENTS FOR MOUNTING AND CONNECTION OF CAMERAS WITH ELEVATOR MANUFACTURER.
- 27.01-04 COORDINATE TIE-IN WITH EXISTING JAIL FOR CAMERAS IN ALL SECURE AREAS.
- 27.01-05 COORDINATE FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL EXTERIOR CAMERAS.

KEY PLAN:



ORIGINAL DOCUMENTS ARE HELD AT:
200 BROAD STREET
BOISE, ID 83702

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PHONE: (208) 345-4635 FAX: (208) 345-1656
WWW.CSHQA.COM
REGISTERED PROFESSIONAL ENGINEER
STATE OF IDAHO LICENSE NO. 11784
EXPIRES 12/31/2025
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AGENCY REVIEW SET

PROJECT	DATE
21403.000	04-17-23
DRAWN	CHECKED
HLG	JLB
REVISED	

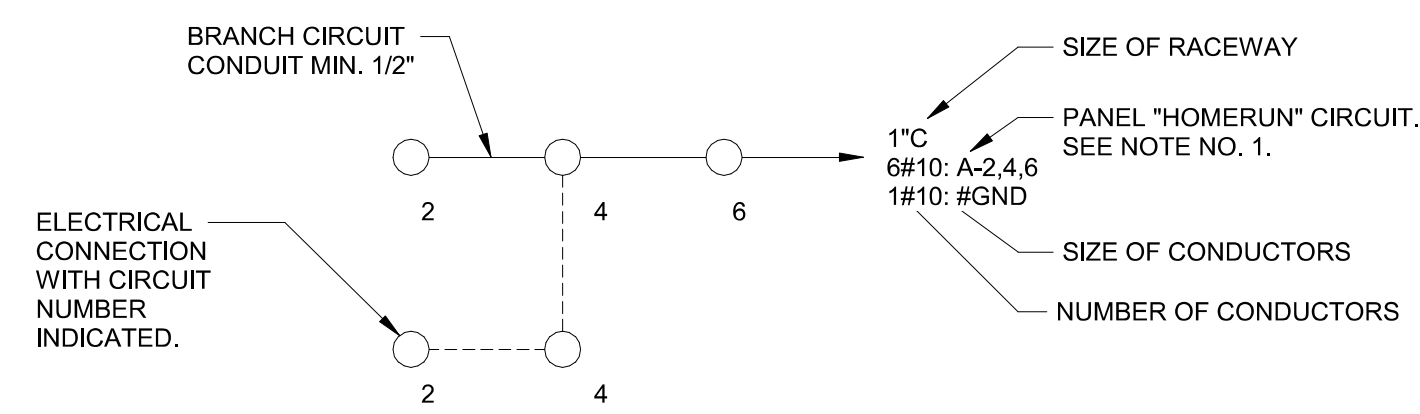
SHEET TITLE

**SECURITY
PLAN LEVEL
2**

SHEET

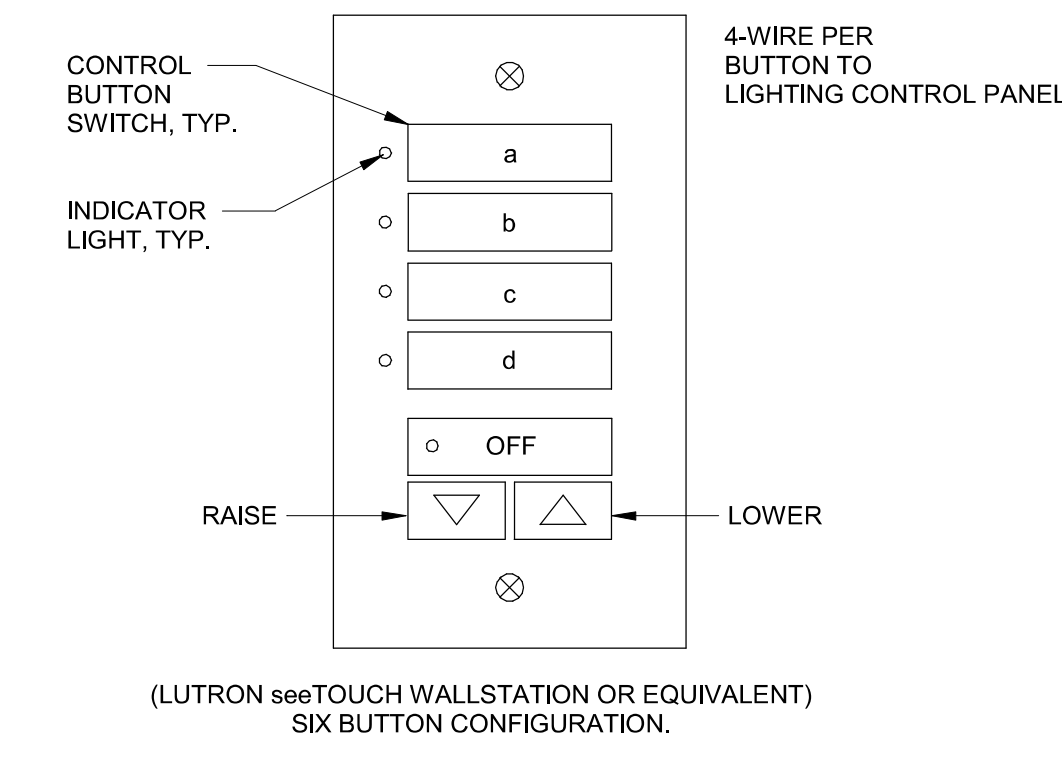
E52

ORIGINAL SHEET SIZE
36" x 48"

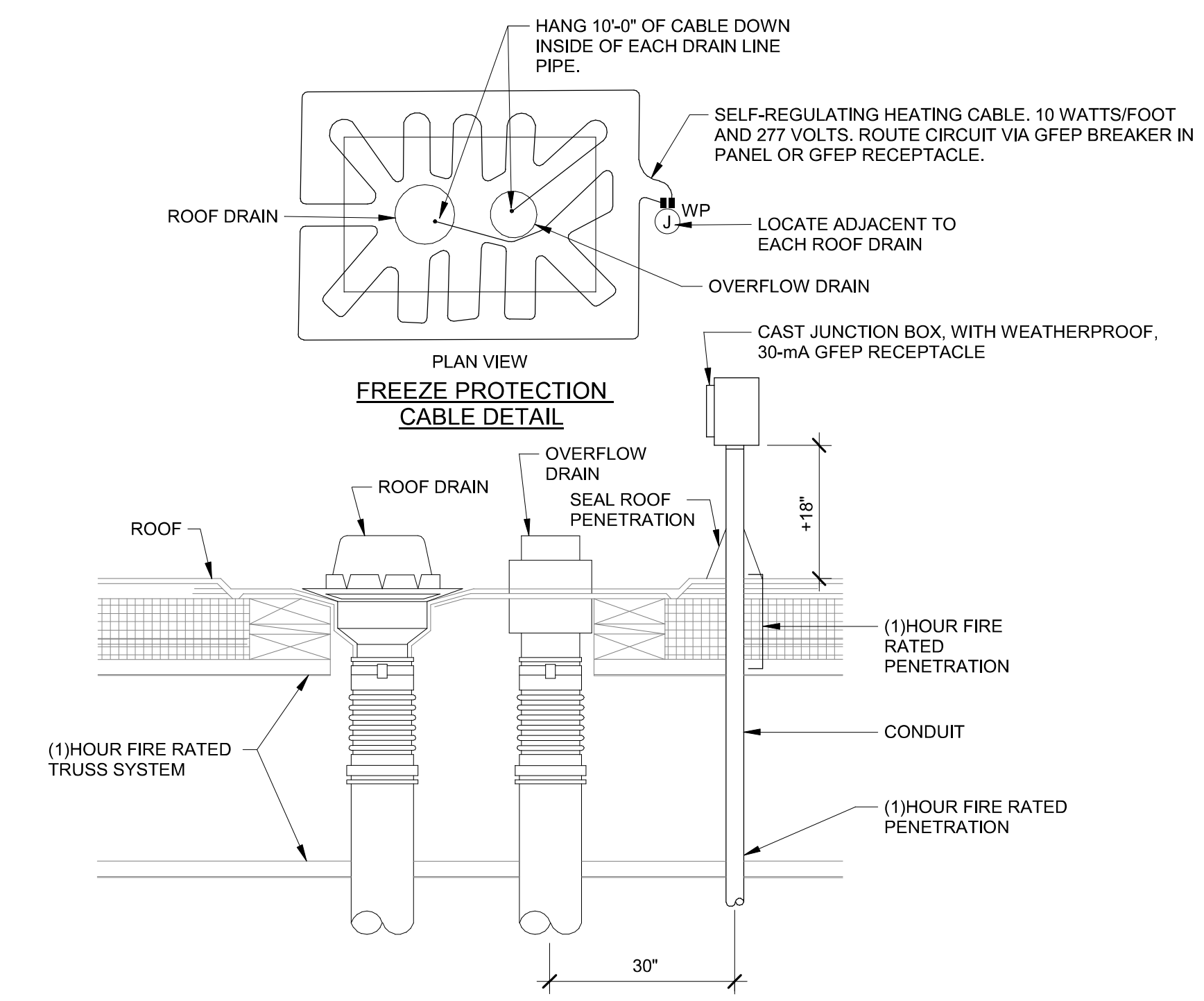


- NOTES:
1. ALL HOMERUNS ARE TO BE 3/4" CONDUIT MINIMUM WITH BRANCH CIRCUIT AND GROUNDING CONDUCTOR #12 UNLESS NOTED OTHERWISE.
 2. A GROUND CONDUCTOR, SIZED PER NEC, SHALL BE INCLUDED IN ALL CONDUIT RUNS.
 3. DASHED LINES INDICATE UNDERSLAB OR UNDERGROUND CONDUIT (SCHEDULE 40 PVC, 1" MIN.).
 4. ALL CIRCUITS SHALL HAVE AN INDEPENDENT NEUTRAL CONDUCTOR. NO EDISON STYLE SHARED NEUTRAL CONDUCTORS ARE ALLOWED.
 5. ALL ISOLATED GROUND CIRCUITS SHALL HAVE AN ISOLATED GROUND CONDUCTOR, CONNECTED TO ISOLATED GROUND SYSTEM, IN ADDITION TO AN EQUIPMENT GROUND.

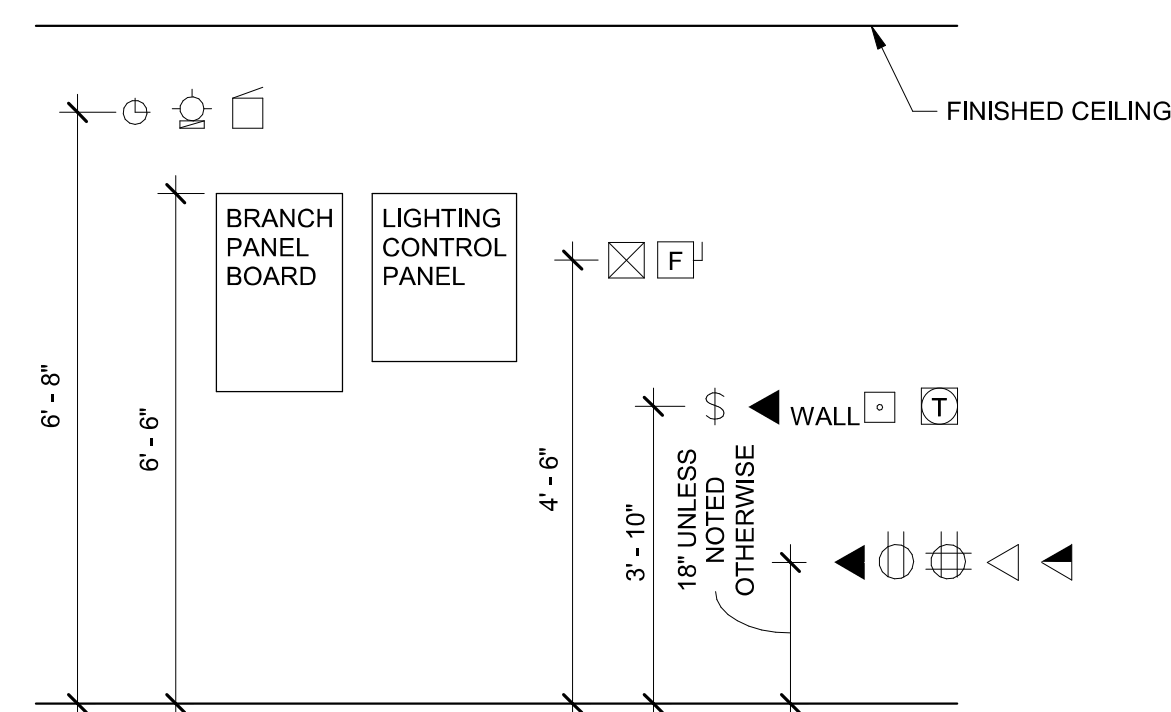
1 CIRCUITING SYMBOLS



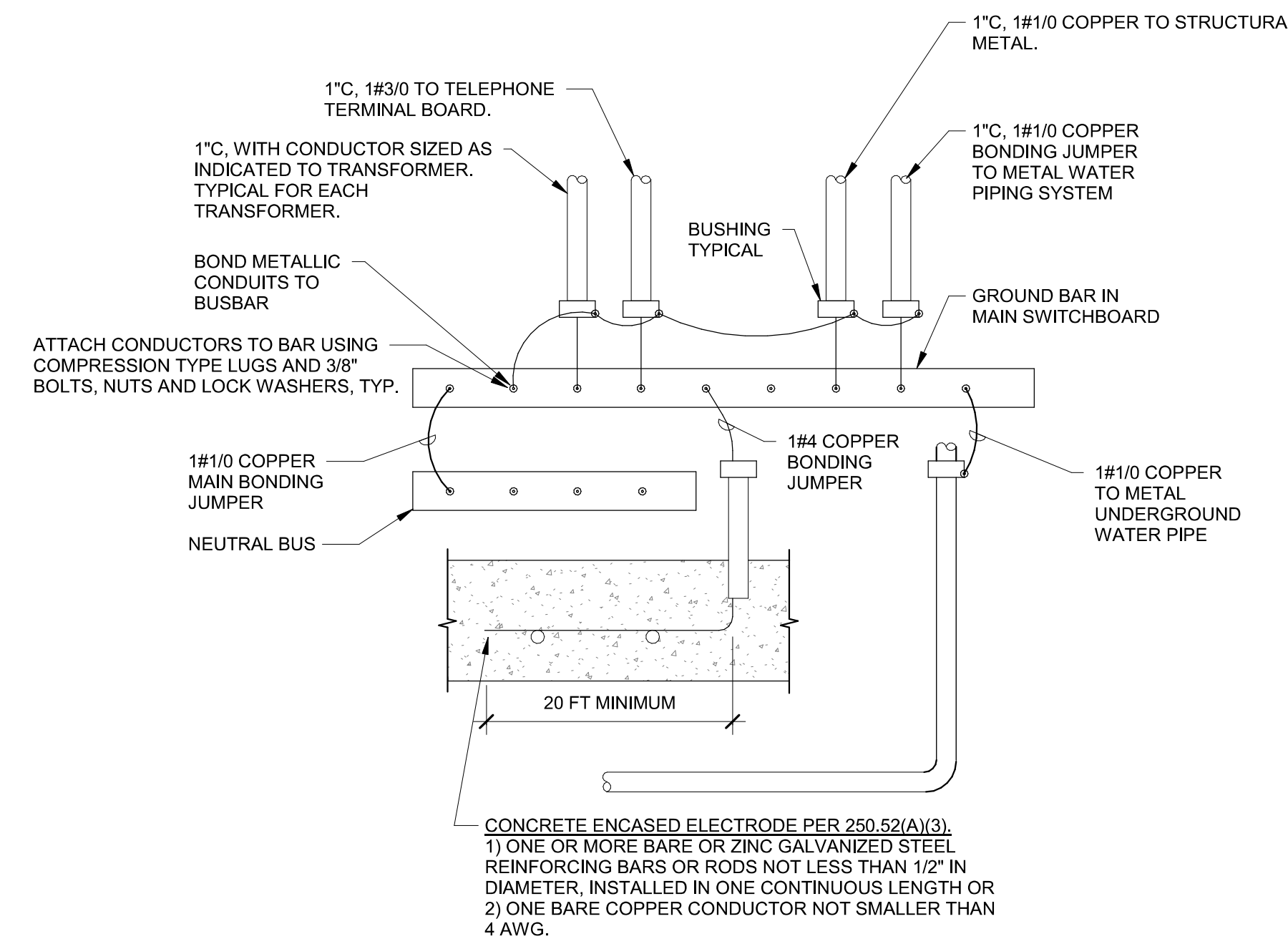
2 LOW VOLTAGE SWITCHING - DIMMING



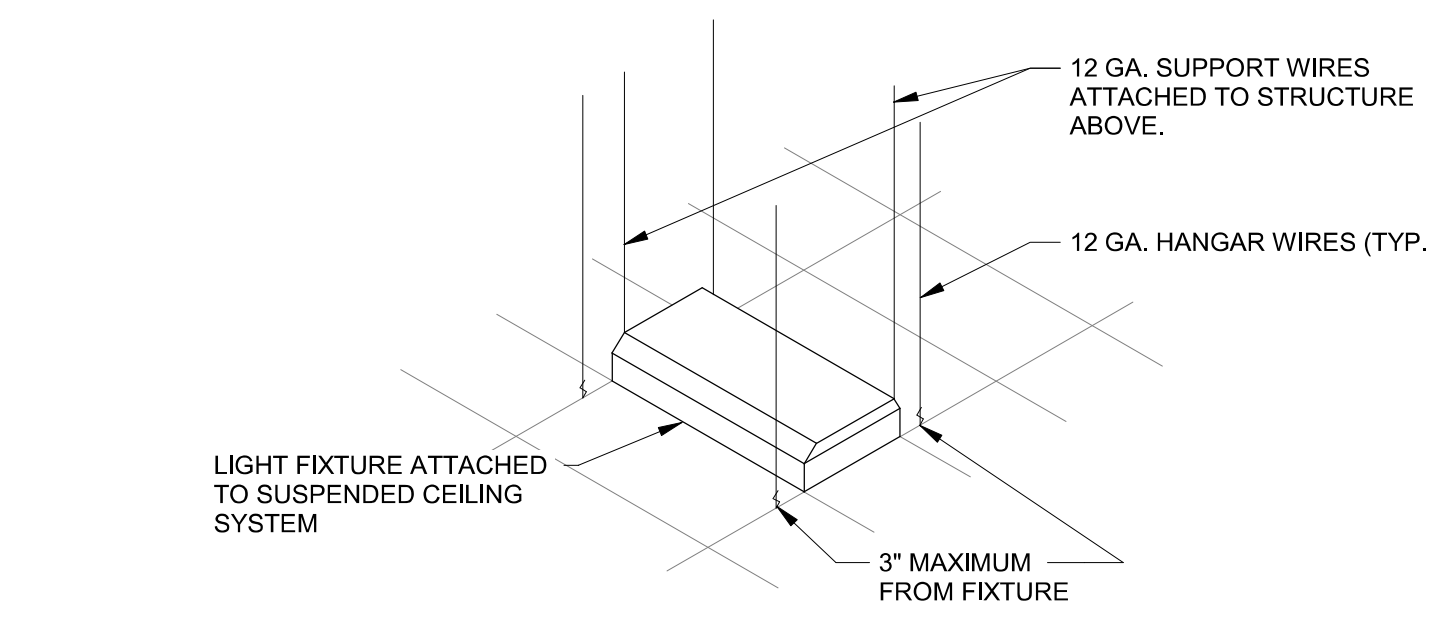
3 ROOF DRAIN FREEZE CABLE



4 STANDARD MOUNTING HEIGHTS



5 GROUNDING/BONDING DIAGRAM



6 FIXTURE GRID MOUNTING



ORIGINAL DOCUMENTS ARE HELD AT LOCAL OFFICE: 300 W. BROAD STREET, BOISE, ID 83702

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SHEET TITLE

DETAILS

SHEET

E71

ORIGINAL SHEET SIZE 36" x 48"



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SHEET TITLE

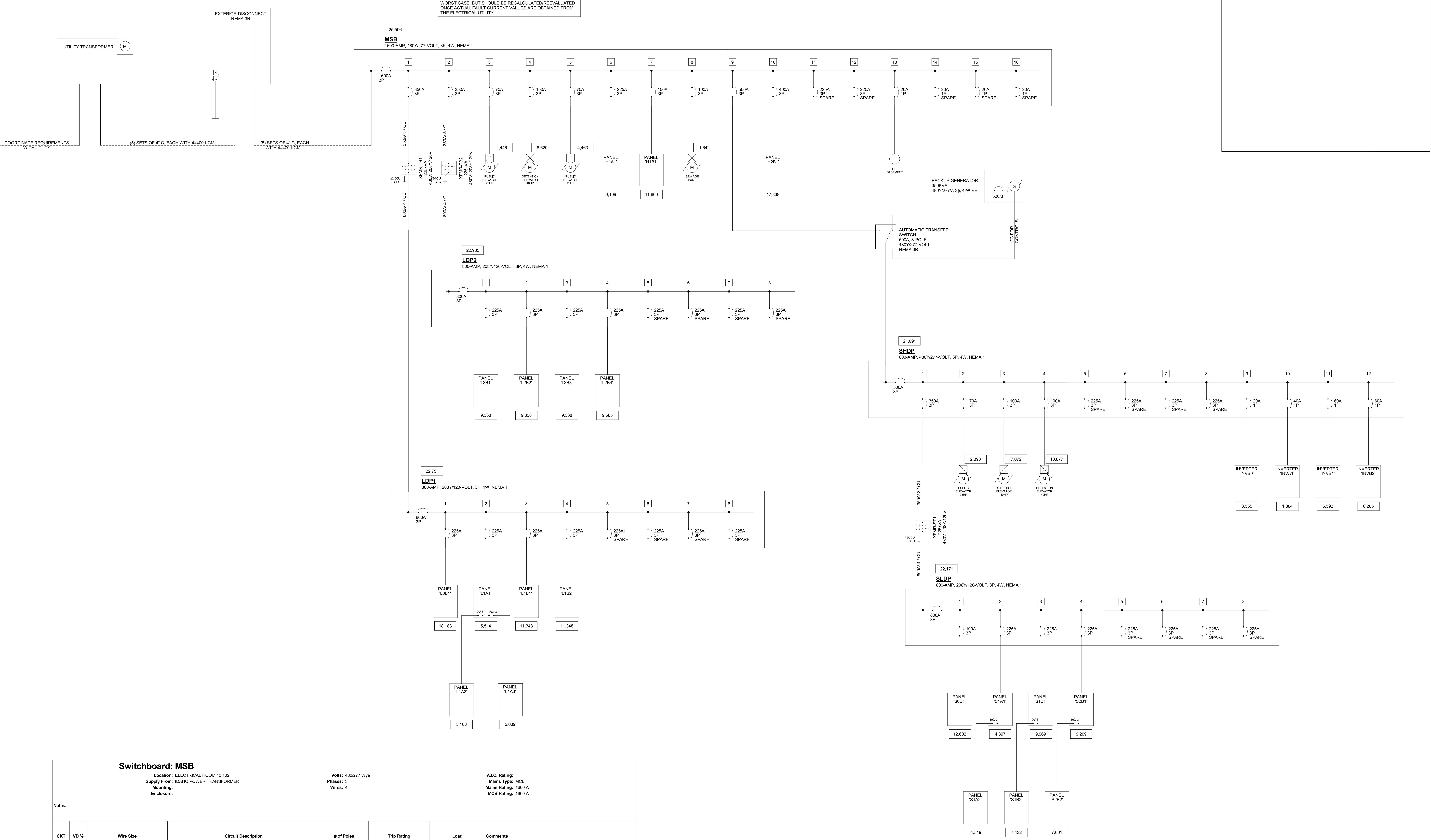
SINGLE-LINE

SHEET

E80

ORIGINAL SHEET SIZE
36" x 48"

FINAL AVAILABLE FAULT CURRENT HAS NOT YET BEEN MADE AVAILABLE FROM UTILITY. VALUES SHOWN ARE BELIEVED TO BE WORST CASE, BUT SHOULD BE RECALCULATED/REVALUATED ONCE ACTUAL FAULT CURRENT VALUES ARE OBTAINED FROM THE ELECTRICAL UTILITY.



COORDINATE REQUIREMENTS WITH UTILITY

Switchboard: MSB

Location: ELECTRICAL ROOM 10.102
Supply From: IDAHO POWER TRANSFORMER
Mounting: Enclosure

Notes: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 1600 A
MCB Rating: 1600 A

CKT	VD %	Wire Size	Circuit Description	# of Poles	Trip Rating	Load	Comments
1	0.1	3-#500, 1-#500, 1-#3	PANEL 'LDP1' VIA XFMR 'TB1'	3	350 A	219950 VA	
2	0.1	3-#500, 1-#500, 1-#3	PANEL 'LDP2' VIA XFMR 'TB2'	3	350 A	203343 VA	
3	2.3	3-#4, 1-#8	MOTOR ELEV 1, 109A, C	3	70 A	45227 VA	
4	0.4	3-#10, 1-#8	DETENTION ELEV 2, 204GH	3	150 A	45227 VA	
5	1.2	3-#4, 1-#8	MOTOR ELEV 10, 201A, B, C	3	70 A	45227 VA	
6	0.6	3-#40, 1-#40, 1-#4	PANEL 'H1A1'	3	225 A	101073 VA	
7	0	3-#1, 1-#1, 1-#8	PANEL 'H1B1'	3	100 A	5422 VA	
8	1	3-#10, 1-#10	SEWAGE PUMP ROOM 10, 102	3	30 A	12637 VA	SP-1
9	0.1	2 runs of 3-#250, 1-#250, 1-#2	PANEL SHDP VIA ATS	3	500 A	331502 VA	
10	0.6	2 runs of 3-#30, 1-#30, 1-#3	PANEL 'H2B1'	3	400 A	291128 VA	
11	--	--	SPARE	3	225 A	0 VA	
12	--	--	SPARE	3	225 A	0 VA	
13	0.6	1-#12, 1-#12, 1-#12	LTS - BASEMENT STORAGE	1	20 A	684 VA	
14	--	--	SPARE	1	20 A	0 VA	
15	--	--	SPARE	1	20 A	0 VA	
16	--	--	SPARE	1	20 A	0 VA	
17							
18							
19							
20						1303420 VA 1568 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	574097 VA	100.00%	574097 VA	
Heating	8500 VA	100.00%	8500 VA	Total Conn. Load: 1303420 VA
Kitchen Equipment - Non-Dwelling Unit	15000 VA	65.00%	12400 VA	Total Est. Demand: 1202739 VA
Lighting	43605 VA	125.00%	54506 VA	Total Conn.: 1568 A
Motor	278335 VA	104.06%	290142 VA	Total Est. Demand: 1447 A
Other	902 VA	100.00%	902 VA	
Power - Non-Continuous	26287 VA	100.00%	26287 VA	
Receptacle	243240 VA	82.06%	126620 VA	
Power - Continuous	1635 VA	125.00%	2044 VA	
Power	107240 VA	100.00%	107240 VA	

Notes:

Branch Panel: S1B2. Location: MDF RM 10.104A. Supply From: S1B1. Mounting: Recessed. Enclosure: Type 1. A.I.C. Rating: Mains Type: MCB. Mains Rating: 100 A. MCB Rating: 100 A. Panel Totals: Total Conn. Load: 11564 VA, Total Est. Demand: 11564 VA.

Branch Panel: S2B1. Location: ELEC 10.103B. Supply From: S1DP. Mounting: Recessed. Enclosure: Type 1. A.I.C. Rating: Mains Type: MCB. Mains Rating: 225 A. MCB Rating: 225 A. Panel Totals: Total Conn. Load: 44200 VA, Total Est. Demand: 39940 VA.

Branch Panel: S2B2. Location: IDF RM 10.104B. Supply From: S2B1. Mounting: Recessed. Enclosure: Type 1. A.I.C. Rating: Mains Type: MCB. Mains Rating: 100 A. MCB Rating: 100 A. Panel Totals: Total Conn. Load: 16220 VA, Total Est. Demand: 16220 VA.

Branch Panel: H1A1. Location: ELEC 10.103C. Supply From: MSB. Mounting: Surface. Enclosure: Type 1. A.I.C. Rating: Mains Type: MCB. Mains Rating: 225 A. MCB Rating: 225 A. Panel Totals: Total Conn. Load: 102070 VA, Total Est. Demand: 102070 VA.

Branch Panel: H1B1. Location: ELEC 10.103A. Supply From: MSB. Mounting: Surface. Enclosure: Type 1. A.I.C. Rating: Mains Type: MCB. Mains Rating: 100 A. MCB Rating: 100 A. Panel Totals: Total Conn. Load: 5422 VA, Total Est. Demand: 5422 VA.

Switchgear: H2B1. Location: ELEC 10.103B. Supply From: MSB. Mounting: Surface. Enclosure: NEMA 1. A.I.C. Rating: Mains Type: MCB. Mains Rating: 400 A. MCB Rating: 400 A. Panel Totals: Total Conn. Load: 29328 VA, Total Est. Demand: 29454 VA.

Summary table for panels: S1B2, S2B1, S2B2, H1A1, H1B1, H2B1.



PROFESSIONAL ENGINEER
1734
Jason L. Brunson, PE
No. 1734
Professional Engineer
State of Idaho
2020/01/15

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REMODEL & EXPANSION 427 Shoshone St N Twin Falls, ID
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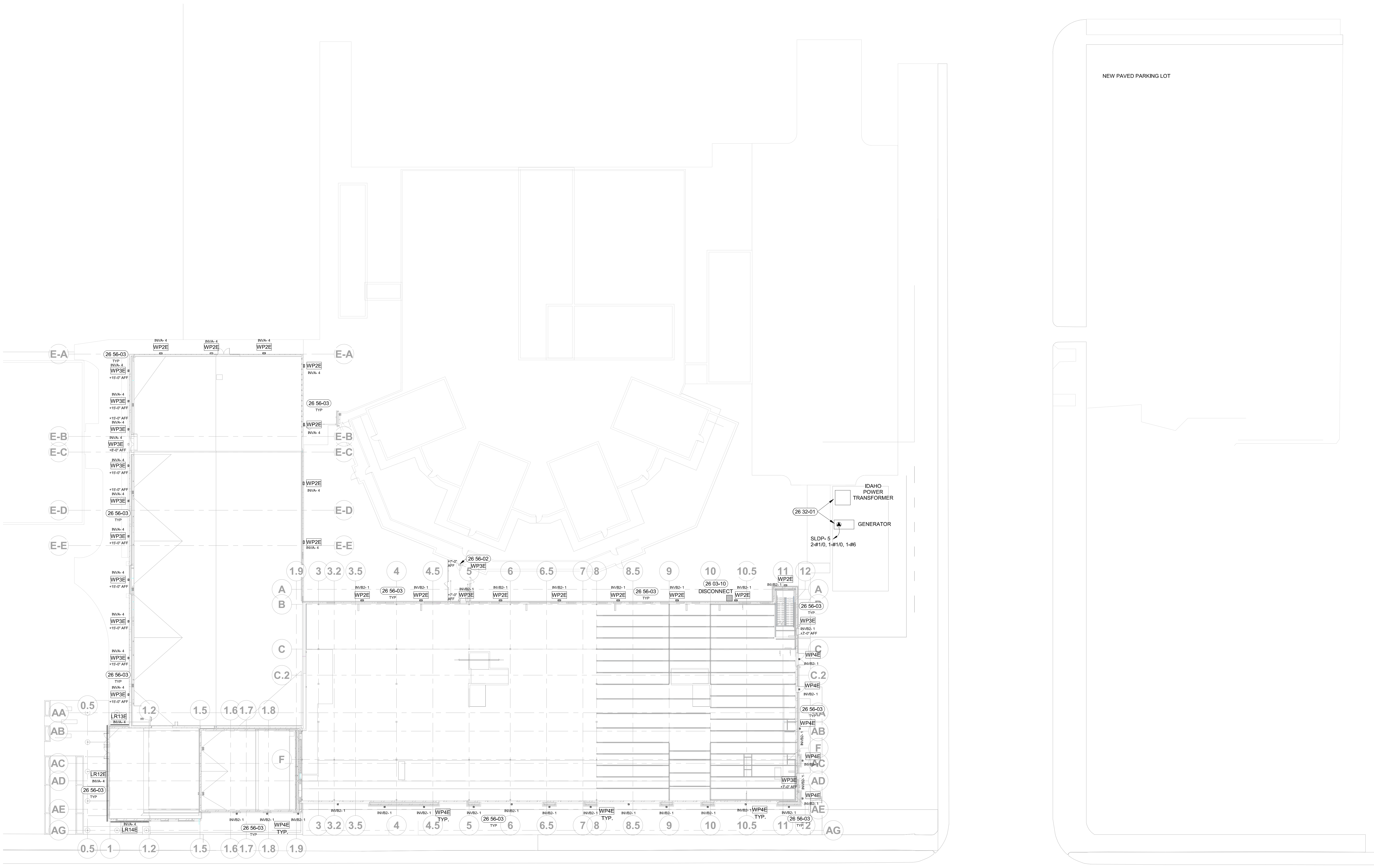
PROJECT: 21403.000, DATE: 04-17-23, DRAWN: HLG, CHECKED: JLB

REVISED

PANEL SCHEDULES

E82

ORIGINAL SHEET SIZE 36" x 48"



1 ELECTRICAL SITE PLAN
1" = 20'-0"

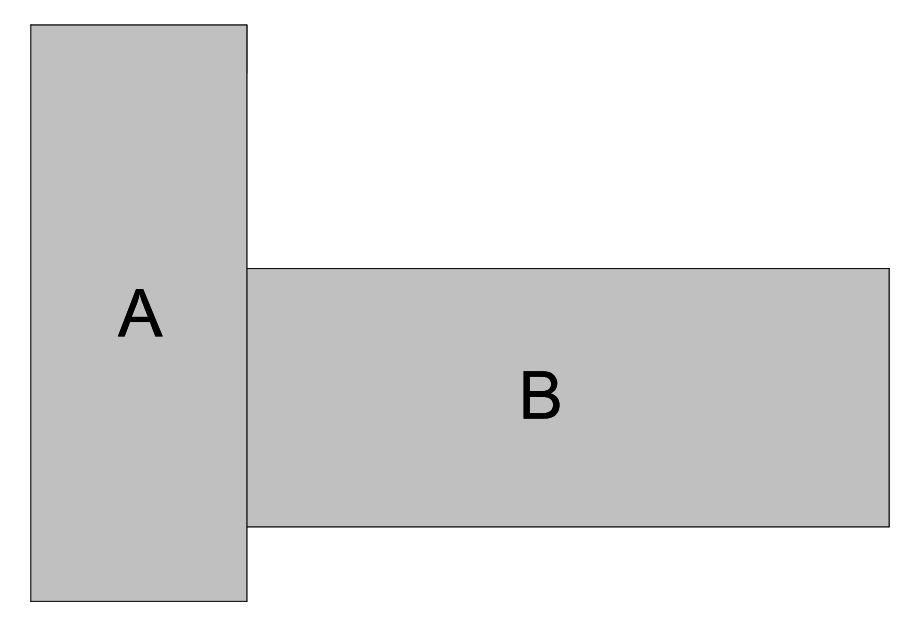
GENERAL NOTES:

- A. REFER TO SHEET E09 FOR LIGHTING FIXTURE SCHEDULE AND SHEETS E01-E04 LIGHTING CONTROL SCHEDULE. SEE SHEET E09 FOR DEVICE AND SYMBOL SCHEDULE.
- B. ALL CONDUITS WITH CIRCUIT CONDUCTORS SHALL HAVE A COPPER EQUIPMENT GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH N.E.C. 250.
- C. FURNISH AND INSTALL SAFETY WIRES AT ALL LIGHT FIXTURES INSTALLED IN A SUSPENDED CEILING.
- D. MOUNTING METHODS INDICATED AND REFERRED TO ARE MINIMUM CODE REQUIREMENTS. COMPLY WITH LOCAL CODES FOR ADDITIONAL SEISMIC RESTRAINTS.
- E. INSTALL HORIZONTAL SEISMIC BRACING WITH AIRCRAFT CABLING FOR SUSPENDED LIGHT FIXTURES AS REQUIRED BY CODE AND THE AUTHORITY HAVING JURISDICTION.
- F. ALL LIGHTING CIRCUITS HOMERUNS ARE TO BE 3/4" CONDUIT MINIMUM WITH BRANCH CIRCUIT #10 AND GROUNDING CONDUCTOR #10 UNLESS OTHERWISE NOTED.
- G. COORDINATE HOMERUN CIRCUIT NUMBERS WITH PANEL SCHEDULES. RE: SHEET E09-E04.
- H. LEAVE PROTECTIVE COVER ON LIGHTS UNTIL TURNOVER TO PROTECT AGAINST DUST.
- I. REVIEW LIGHTING REFLECTIVE CEILING PLAN AT TURNOVER AND IDENTIFY ANY MISSING OR NON WORKING FIXTURES.
- J. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR FINAL LOCATION OF ALL CEILING MOUNTED ITEMS. REFER TO ARCHITECTURAL ELEVATIONS AND SECTIONS FOR MOUNTING HEIGHTS OF WALL OR COLUMN MOUNTED FIXTURES AND DEVICES.

SHEET NOTES:

- 26 03-10 COORDINATE WITH WATERPROOFING. SEE ARCHITECTURAL PLAN.
- 26 32-01 LOCATE ELECTRICAL GEAR 6'-0" MINIMUM AWAY FROM FENCE. SEE CIVIL PLANS.
- 26 56-03 ROUTE THROUGH LIGHTING CONTROL PANEL AND PHOTOCELL FOR AUTOMATIC CONTROL OF EXTERIOR LIGHT FIXTURES PER 2018 I.E.C.C.

KEY PLAN:



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SHEET TITLE

ELECTRICAL SITE PLAN

SHEET

ES10

ORIGINAL SHEET SIZE
36" x 48"