NOTES (APPLICABLE TO ALL ELECTRICAL DRAWINGS)

- 1. ALL SYSTEMS, EQUIPMENT, DEVICES, RACEWAYS, CABLES, ETC. INDICATED ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING.
- 2. THE ELECTRICAL WORK SHALL INCLUDE ALL WORK SHOWN ON THE DRAWINGS, DETAILS, DIAGRAMS, SCHEDULES, ETC., AND AS DESCRIBED IN THE SPECIFICATIONS.
- 3. PLAN DRAWINGS ARE DIAGRAMMATIC IN FORM AND DO NOT ATTEMPT TO SHOW COMPLETE DETAILS OR LIST EVERY ITEM OF THE ELECTRICAL SYSTEM, EQUIPMENT, OR BUILDING CONSTRUCTION; HOWEVER, THE ROUTING OF RACEWAYS AND CIRCUITS, THE LOCATIONS OF EQUIPMENT, DEVICES AND FIXTURES REPRESENT THE DESIRED FINISHED ARRANGEMENT.
- 4. OBTAIN APPROVAL FROM ARCHITECT & ENGINEER PRIOR TO PROCEEDING WITH ALTERNATE CONDUIT ROUTES.
- 5. DETAIL DRAWINGS SHALL BE CONSIDERED APPLICABLE TO ALL PLAN DRAWINGS AND SIMILAR CONDITIONS EVEN IF THE DETAILS ARE NOT SPECIFICALLY REFERENCED.
- 6. RACEWAYS AND CABLES THROUGHOUT THE FACILITY SHALL BE RUN CONCEALED IN THE WALLS, ABOVE THE CEILING OR BELOW THE FLOOR WHERE POSSIBLE, EXCEPT, EXPOSED WITHIN UTILITY & OTHER NON-PUBLIC SPACES. WITHIN PUBLIC SPACES, WHERE DUE TO THE BUILDINGS CONSTRUCTION, IT IS NOT POSSIBLE TO ROUTE RACEWAYS & CABLES CONCEALED, RACEWAYS MAY BE RUN EXPOSED. (EXPOSED CABLES ARE NOT ALLOWED EXCEPT IN TELECOMMUNICATIONS ROOMS.) EXPOSED RACEWAYS SHALL BE RUN AS NEATLY & UNOBTRUSIVELY AS POSSIBLE, SUPPORTED AS REQUIRED, PARALLEL OR AT RIGHT ANGLES TO CEILINGS, WALLS & STRUCTURAL MEMBERS.
- 7. RACEWAYS SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
- A. INTERIOR ACCESSIBLE CONCEALED SPACES ELECTRICAL METALLIC TUBING (EMT) WITH FLEXIBLE METAL CONDUIT (FLEX) FOR FINAL CONNECTIONS TO VIBRATING EQUIPMENT.
- B. INTERIOR NON-ACCESSIBLE CONCEALED SPACES FLEXIBLE METAL CONDUIT (FLEX) MAY BE "FISHED" FROM ONE POINT OF CONNECTION TO ANOTHER.
- C. INTERIOR, EXPOSED IN TELECOM ROOMS, UTILITY ROOMS & OTHER NON-PUBLIC SPACES - ELECTRICAL METALLIC TUBING (EMT).
- D. INTERIOR, EXPOSED IN ROOMS, CORRIDORS & THE LIKE WHERE READILY VISIBLE TO BUILDING OCCUPANTS - SURFACE METAL RACEWAY (SMR).
- METAL CLAD (MC) CABLE SHALL NOT BE PERMITTED, EXCEPT FOR FIXTURE

WHIPS CONCEALED IN ACCESSIBLE CEILING SPACES.

- 8. RACEWAYS SHALL BE SIZED SO THAT THE CABLE FILL DOES NOT EXCEED 40%, EXCEPT, MINIMUM CONDUIT SIZES SHALL BE AS FOLLOWS, UNLESS NOTED
 - A. 3/4" BRANCH CIRCUITS AND SYSTEM RACEWAYS, EXCEPT AS NOTED BELOW
 - B. 1/2" RUNS WITH #12 AWG OR SMALLER CIRCUIT CABLE TERMINATING IN A SINGLE DEVICE.
- C. 1/2" CONDUIT STUBS FROM ACCESSIBLE CEILING SPACES DOWN TO A SINGLE FIRE ALARM DEVICE (PULL STATION, HORN/STROBE, ETC.) OR SINGLE PUBLIC ADDRESS DEVICE (MICROPHONE, SPEAKER, ETC.)
- D. 1" POWER & LIGHTING HOMERUNS.
- E. 1" UNDERGROUND CONDUITS.
- F. 1" TELECOMMUNICATIONS RACEWAYS TERMINATING IN A SINGLE DEVICE.
- G. 1 1/4" TELECOMMUNICATIONS RACEWAYS SERVING TWO DEVICE LOCATIONS
- 9. DEVICE BOX SIZES SHALL BE SIZED IN ACCORDANCE WITH NEC FOR BOX FILL, EXCEPT MINIMUM SHALL BE AS FOLLOWS, UNLESS SPECIFICALLY NOTED OTHERWISE:
- A. POWER & LIGHTING 4" x 4" x 1 1/2"
- B. TELECOMMUNICATIONS 4 11/16" x 4 11/16" x 2 1/8"
- C. FIRE ALARM, ACCESS CONTROL, SECURITY, PAGING, ANCILLARY, ETC. SYSTEMS SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS.
- 10. DEVICE MOUNTING HEIGHTS SHALL BE AS FOLLOWS, UNLESS SPECIFICALLY NOTED OTHERWISE. MOUNTING HEIGHTS SHOWN ON THE DRAWINGS ARE TO THE CENTER OF THE BACK BOX FROM THE INTERIOR FINISHED FLOOR.
- A. POWER, TELECOMMUNICATIONS, AUDIO/VIDEO, ETC. RECEPTACLES 18"
- B. LIGHTING SWITCHES, CONTROL STATIONS, ETC. 46"
- C. DEVICES ABOVE COUNTERS 4" ABOVE BACKSPLASH.
- D. FIRE ALARM PULL STATIONS 46"
- E. FIRE ALARM NOTIFICATION APPLIANCES 90"
- 11. BRANCH CIRCUIT CABLES, EQUIPMENT GROUND CABLES AND ABOVE GRADE FEEDER CABLES SHALL BE 1/C COPPER, #12 AWG UNLESS NOTED OTHERWISE, WITH 600V TYPE XHHW OR THHN/THWN INSULATION.
- 12. IN ADDITION TO THE CIRCUIT CONDUCTORS INDICATED, CONTRACTOR SHALL PROVIDE AN EQUIPMENT GROUND CABLE (SIZED THE SAME AS THE LARGEST CIRCUIT CONDUCTOR UNLESS SPECIFICALLY NOTED OTHERWISE) WITHIN EACH RACEWAY WITH THE CIRCUIT CONDUCTORS.
- 13. SEE ELECTRICAL SPECIFICATION FOR SYSTEMS CABLE TYPES.
- 14. ALL WIRING SHALL BE ENCLOSED WITHIN THE RACEWAY SYSTEM, EXCEPT, TELECOMMUNICATIONS, FIRE ALARM, ACCESS CONTROL AND CLASS 2 LOW VOLTAGE CABLING MAY BE BUNDLED TOGETHER AND SUPPORTED OPEN IN ACCESSIBLE CEILING SPACES. EACH SYSTEMS CABLES SHALL BE BUNDLED AND MANAGED SEPARATELY FROM OTHER SYSTEMS CABLES.
- 15. FLOOR, WALL AND CEILING PENETRATIONS BY OPEN CABLES WILL NOT BE ALLOWED. PROVIDE CONDUIT SLEEVES WHERE OPEN CABLES PASS THROUGH WALLS, DRAFTSTOPS, CEILINGS, FLOORS, ETC.
- 16. PROTECT "OPEN" CABLE WIRING FROM ROUGH AND/OR SHARP EDGES ON SUPPORTS, STRUCTURAL MEMBERS, ETC. AS REQUIRED DURING INSTALLATION.
- 17. VERIFY ALL EQUIPMENT, DEVICE, ETC. LOCATIONS WITH THE ARCHITECT PRIOR TO ROUGH-IN. SEE MECHANICAL DRAWINGS FOR LOCATION OF MECHANICAL EQUIPMENT, ARCHITECTURAL DRAWINGS FOR SPECIALTY EQUIPMENT, CASEWORK, ETC. THE OWNER RESERVES THE RIGHT TO RELOCATE OUTLETS, ETC. WITHIN 10' OF THE LOCATION INDICATED, PRIOR TO INSTALLATION, WITHOUT INCREASE IN COST.

- 18. SEE ARCHITECTURAL SPEC. SECTIONS (E.G. DOOR HARDWARE, APPLIANCES, DOORS, ETC.), ENTIRE DIVISION 11 - EQUIPMENT, & ENTIRE DIVISION 22 - PLUMBING, DIVISION 23 - HVAC FOR ADDITIONAL REQUIREMENTS, FURTHER CLARIFICATIONS, ETC. OF EQUIPMENT ELECTRICAL REQUIREMENTS.
- 19. CONTRACTOR SHALL VERIFY WITH THE ARCHITECT THE FIRE RESISTIVE RATINGS FOR WALLS, PARTITIONS AND OTHER BUILDING STRUCTURES. INSTALLATION OF SYSTEM COMPONENTS AND RACEWAYS MUST MAINTAIN THE FIRE RESISTIVE RATING OF THE BUILDING.
- 20. POWER, FIRE ALARM, SECURITY & TELECOMMUNICATIONS SYSTEMS INTERRUPTIONS (WHETHER TO THE ENTIRE SYSTEM OR TO INDIVIDUAL PANELS, EQUIPMENT, ROOMS, DEVICES, ETC.) SHALL BE KEPT TO AN ABSOLUTE MINIMUM, AND SHALL NOT BE DONE WITHOUT PRIOR APPROVAL & SCHEDULING WITH THE ARCHITECT A MINIMUM OF 14 DAYS IN ADVANCE AND CONFIRMED 48 HOURS IN ADVANCE.
- 21. SMOKE DETECTORS SHALL NOT BE LOCATED WITHIN 3 FEET OF ANY AIR SUPPLY VENT OR ANY FLUORESCENT LIGHTING BALLAST REGARDLESS OF THE LOCATION INDICATED ON THE DRAWINGS.
- 22. FIRE ALARM & SECURITY WIRING SHALL RUN FROM DEVICE TO DEVICE WITHOUT SPLICES OR TAPS. AT EACH BOX, THE INCOMMING PAIR OF THE INTELLIGENT LOOP CONDUCTORS SHALL BE IDENTIFIED WITH A SINGLE WRAP OF RED COLORED ELECTRICAL TAPE. "T" TAPS SHALL NOT BE INSTALLED WITHOUT SPECIFIC APPROVAL FROM THE ENGINEER.
- 23. LABELING & NAMEPLATES:
- A. OUTLETS SHALL BE LABELED WITH THE PANEL AND CIRCUIT NUMBER FROM WHICH ITS FED. LABELS SHALL BE HEAVY DUTY ADHESIVE TYPE, CLEAR TAPE WITH BLACK LETTERING, MADE WITH A LABEL PRINTING DEVICE.
- B. JUNCTION BOXES SHALL BE LABELED WITH THE PANEL AND CIRCUIT NUMBER CONTAINED WITHIN. MARKING SHALL BE LEGIBLY HAND-WRITTEN WITH BLACK INDELIBLE MARKER
- C. REFER TO SPECIFICATIONS FOR PANELS, DISCONNECT SWITCHES, STARTERS, ETC. NAMEPLATES AND LABELING.

DEMOLITION NOTES (APPLICABLE TO ALL ELECTRICAL DRAWINGS):

- 1. CONTRACTOR SHALL REMOVE ALL EXISTING EQUIPMENT, DEVICES, ETC. WHERE INDICATED. EXISTING DEVICES NOT SHOWN ON THE DRAWINGS SHALL REMAIN. ALL ASSOCIATED CONDUIT, BOXES, CABLES, ETC. SHALL BE REMOVED TO THEIR POINT OF ORIGIN &/OR DESTINATION, EXCEPT, CONDUITS MAY BE RE-USED IF IN GOOD CONDITION & SUITABLE FOR THE NEW INSTALLATION, &/OR CONCEALED CONDUITS MAY BE LABELED & ABANDONED IN PLACE. EXISTING CABLES SHALL BE REMOVED OR REPLACED. EXISTING FLUSH BOXES SHALL BE PROVIDED WITH SUITABLE COVERS OR WALLPLATES.
- EXISTING EQUIPMENT, FIXTURES, DEVICES, ETC. TO BE RE-USED IN THE NEW WORK SHALL BE REMOVED CAREFULLY, & PROTECTED FROM DAMAGE AS REQUIRED DURING DEMOLITION & CONSTRUCTION.
- 3. EXISTING EQUIPMENT, FIXTURES, DEVICES, ETC. TO REMAIN SHALL BE PROTECTED AS REQUIRED DURING DEMOLITION AND CONSTRUCTION.
- 4. EXISTING CIRCUITS, CONDUITS, CABLES, ETC. INTERRUPTED DUE TO THE REMODEL SHALL BE RE-CONNECTED AS REQUIRED TO MAINTAIN THE CIRCUIT.
- 5. ALL SURPLUS MATERIAL REMOVED DURING THE DEMOLITION SHALL BE INSPECTED BY THE OWNER, AND THOSE ITEMS SELECTED SHALL REMAIN THE PROPERTY OF THE OWNER. ALL REMAINING SURPLUS MATERIALS SHALL BE REMOVED FROM THE SITE & DISPOSED OF BY THE CONTRACTOR.

ENERGY CODE COMPLIANCE (PROVIDED BY CONTRACTOR):

CODE FUNCTION

CM VOICE & DATA SYSTEM HORIZONTAL CABLE

Z F.A. SYSTEM ADDRESSABLE DEVICE LOOP

LIGHTING CONTROL DEVICE CIRCUIT

LC LIGHING CONTROL COMMUNICATION CIRCUIT

LIGHTING CONTROL 0-10V DIMMING CIRCUIT

F.A. SYSTEM NOTIFICATION (HORN/STROBE) CIRCUIT

1. ALL ELECTRICAL AND LIGHTING SYSTEMS FOR WHICH WSEC REQUIRES CONTROL FUNCTIONS AND/OR CONFIGURATION TO BE PERFORMED ARE REQUIRED TO BE COMMISSIONED IN ACCORDANCE WITH WSEC REQUIREMENTS.

ELECTRICAL LEGEND

LIGHTING

LUMINAIRE, SURFACE MTD. (Aa = FIXTURE TYPE A CONTROLLED BY SWITCH Sa, TYPICAL.) LUMINAIRE, PENDANT MTD. RECESSED DOWNLIGHT LUMINAIRE, SURFACE MTD.

COMBINATION LIGHTED EXIST SIGN & EMERGENCY LIGHTING UNIT, 2 HEAD SINGLE-POLE SWITCH

LOW VOLTAGE TOGGLE SWITCH

LIGHTING CONTROL MOTION SENSOR SWITCH

LOW VOLTAGE DIMMER SWITCH

LIGHTING CONTROL SWITCH STATION PHOTO SENSOR

(1) LIGHTING MOTION DETECTOR, LOW VOLTAGE LIGHTING MOTION DETECTOR, LINE VOLTAGE

LIGHTING CONTROL POWER PACK LIGHTING CONTROL ROOM CONTROLLER

OUTLETS

CABLE CODES

3 - 1/C # 18 AWG (RUN IN SAME CONDUIT AS LINE VOLTAGE)

? - 1/C # 18 AWG (RUN IN SAME CONDUIT AS LINE VOLTAGE)

VARIES (PER MANUFACTURER REQUIREMENTS)

COLOR

GRAY JACKET

RED JACKET

RED JACKET

BLUE JACKET

BLUE JACKET

BLUE JACKET

GRAY/ PURPLE

RED/BLACK/BLUE | TFFN

FPLR

TFFN

DESCRIPTION

ALL CABLING SHALL BE IN RACEWAYS, EXCEPT CABLES LISTED FOR THE PURPOSE MAY BE RUN OPEN IN ACCESSIBLE CEILING SPACES.

CONFIRM CABLES WITH FIRE ALARM AND LIGHTING CONTROL SYSTEM PROVIDERS PRIOR TO INSTALLATION.

2 CONDUCTOR #14 AWG

2 CONDUCTOR #18 AWG

3 CONDUCTOR # 18 AWG

2 CONDUCTOR # 18 AWG

CAT6 UNSHIELDED TWISTED PAIRS (UTP)

<u> </u>	<u>-</u>
⊖ =	DUPLEX OUTLET
\$	DOUBLE DUPLEX OUTLET
€ GFI	DUPLEX OUTLET, GROUND FAULT INTERRUPTING
⊕ + 45'	DUPLEX OUTLET, ELEVATION ABOVE FLOOR TO CENTERLINE OF DEVICE INDICATED
◀ IVID	TELECOMMUNICATIONS OUTLET, FLUSH MOUNTED (IVID = I VOICE & I DATA CABLES, TYPICAL)
AVI	AUDIO/VIDEO OUTLET, I GANG
AV2	AUDIO/VIDEO OUTLET, 2 GANG
AV4	AUDIO/VIDEO OUTLET, 4 GANG
©	SPEAKER, RECESSED CEILING MOUNTED
\$	FIRE ALARM HORN/STROBE, CEILING MTD.

(15cd UNLESS NOTED OTHERWISE)

FIRE ALARM HORN/STROBE, WALL MTD.

FIRE ALARM SMOKE DETECTOR

NEC TYPE | CABLE ROUTING

IN RACEWAY

IN RACEWAY

OPEN & IN RACEWAY (SEE PLANS)

MICCELL AVECUS

MISCELL	<u>ANEOUS</u>
	BRANCH CIRCUIT, ABOVE GRADE, CONCEALED (OR SIMILAR, SLASHES = NO. OF CIRCUIT CONDUCTORS WHERE APPLICABLE)
	BRANCH CIRCUIT, ABOVE GRADE, EXPOSED (OR SIMILAR, SLASHES = NO. OF CIRCUIT CONDUCTORS WHERE APPLICABLE)
	HOMERUN TO LOCATION INDICATED, CONCEALED (TYPICAL)
	HOMERUN TO LOCATION INDICATED, EXPOSED (TYPICAL)
	BRANCH CIRCUIT, CONDUIT BODY
\frown	CONDUIT STUB-UP INTO CEILING SPACE OR ONTO CABLE TRAY
	BELOW FLOOR/GRADE CONDUIT
/	EXISTING CONDUIT, NEW CABLE
/	GROUND CABLE
	CABLE RUN 'OPEN' IN ACCESSIBLE CEILING SPACE (SLASHES = No. 4 TYPE OF CABLES WHERE APPLICABLE)
0	JUNCTION BOX
	DISCONNECT SWITCH
	PANELBOARD
WP	WEATHER PROOF
EX	EXISTING TO REMAIN
REX	REPLACE EXISTING

DEMOLITION

(DASHED INDICATES EXISTING TO BE REMOVED)

RELOCATE EXISTING

[[[[]]]	LUMINAIRE, SURFACE MTD.
S	SWITCH
€}=	DUPLEX OUTLET
\$=	DOUBLE DUPLEX OUTLET
<1	COMMUNICATIONS OUTLET
	BRANCH CIRCUIT CONDUIT, SURFACE MTD.
	BRANCH CIRCUIT CONDUIT, CONCEALED
墩	FIRE ALARM HORN WITH STROBE LIGHT
(<u>§</u>)	FIRE ALARM SMOKE DETECTOR

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PROJECT NUMBER: REVISIONS:

05-15-25 BID SET

SHEET TITLE:

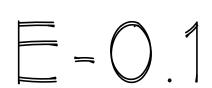
ELECTRICAL - NOTES, LEGEND CABLE CODES & DRAWING INDEX

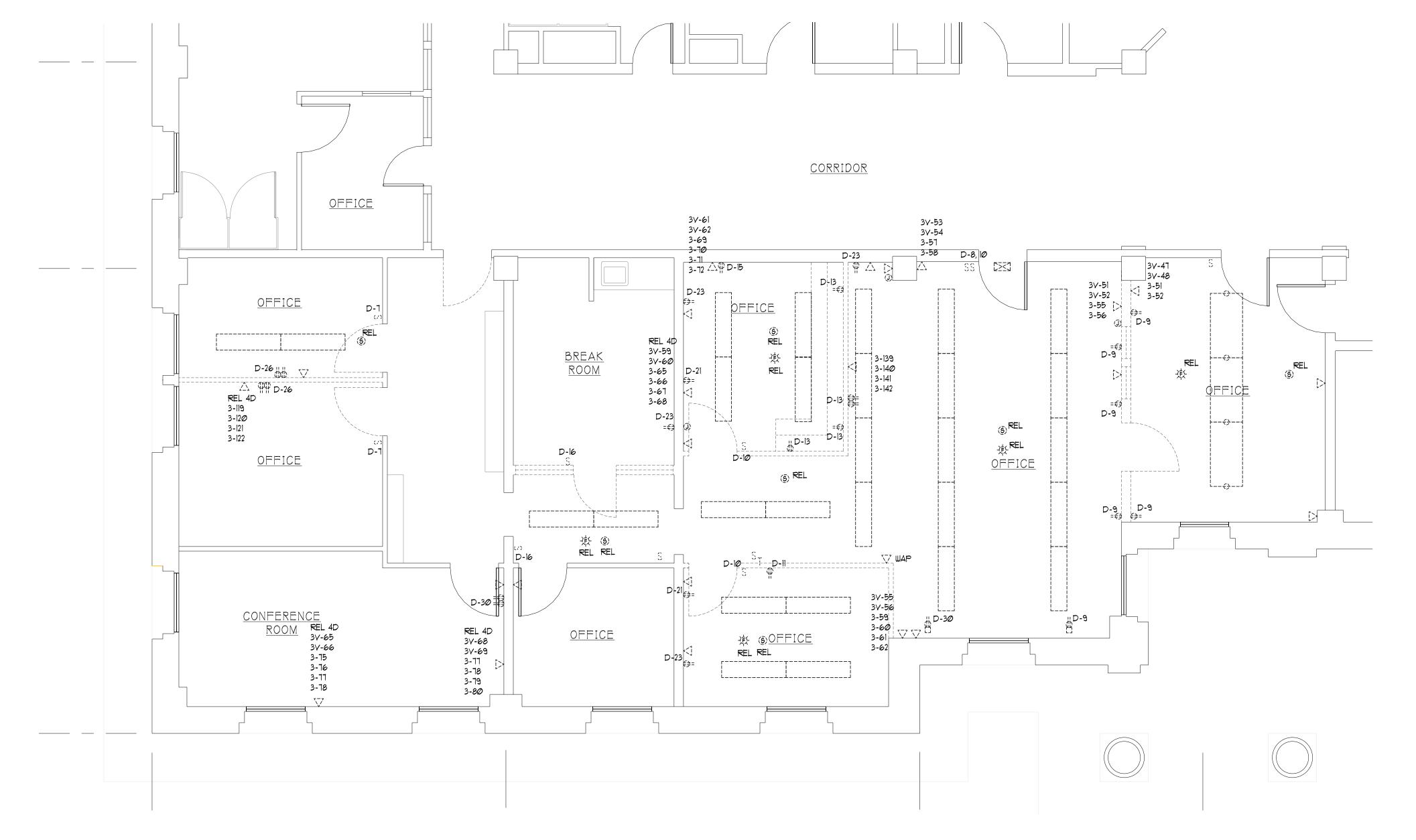
DRAWING INDEX ELECTRICAL - NOTES, LEGEND, CABLE CODES & INDEX **ELECTRICAL - DEMOLITION PLAN** ELECTRICAL - POWER PLAN ELECTRICAL - LIGHTING PLAN ELECTRICAL - ANCILLARIES PLAN

SHEET DRAWING TITLE E-3.2 ELECTRICAL - LIGHTING DETAILS E-4.2 ELECTRICAL - ANCILLARIES DETAILS ELECTRICAL - ANCILLARIES DETAILS

E-6.1 ELECTRICAL - POWER SYSTEM RISER DIAGRAM E-6.2 ELECTRICAL - PANEL SCHEDULES

PROJECT ARCHITECT DRAWN BY CHECKED BY: MAY 15, 2025 DATE 2405\SKAGIT COURTHOUSE COMPUTER FILE NAME









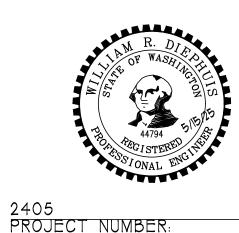
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DEMOLITION	PLAN

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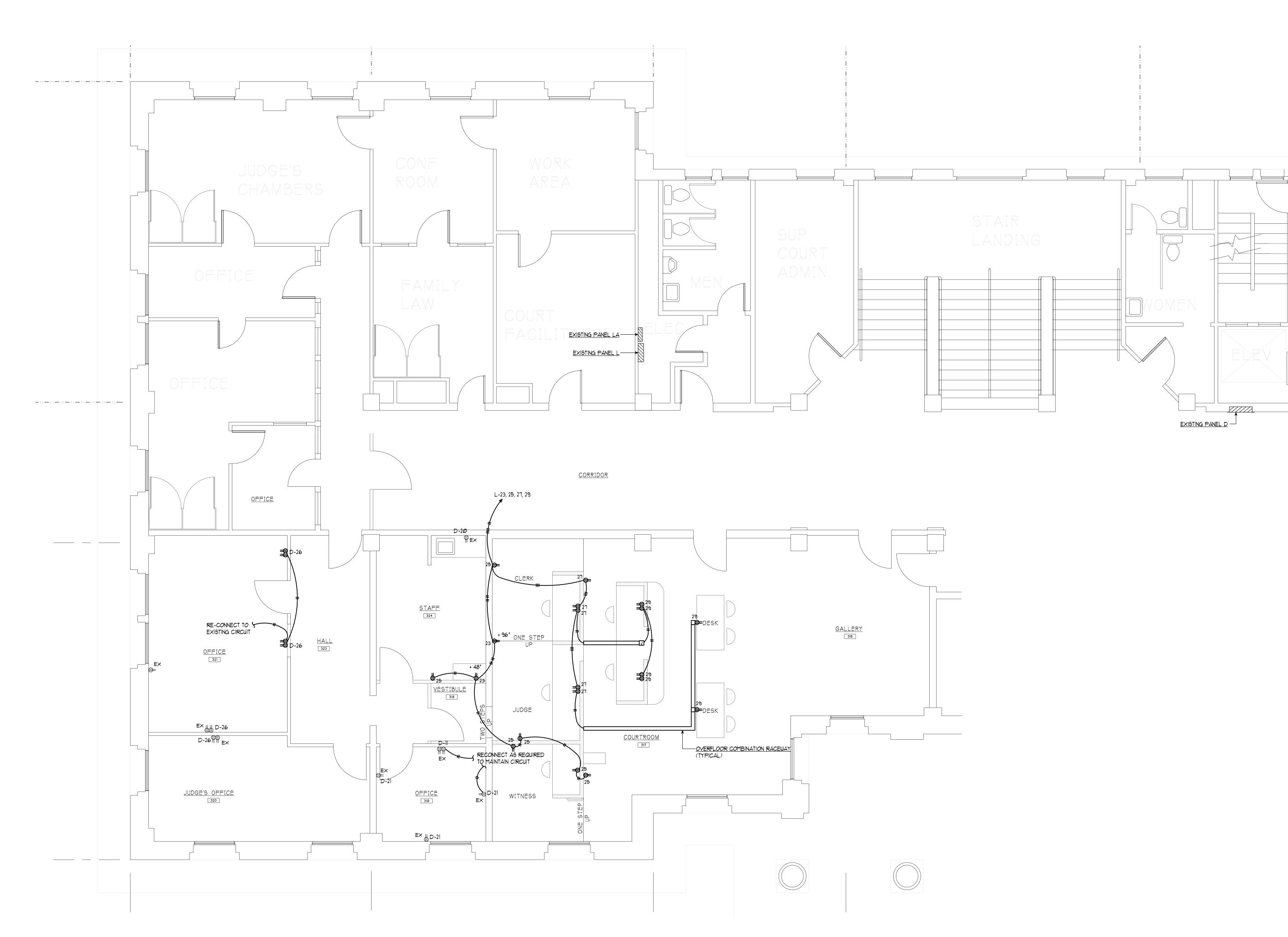
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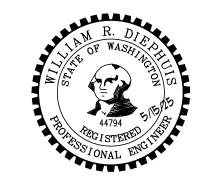
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2405	
PROJECT	NUMBER:

REVISIONS: 05-15-25 BID SET

SHEET TITLE:

ELECTRICAL - POWER PLAN

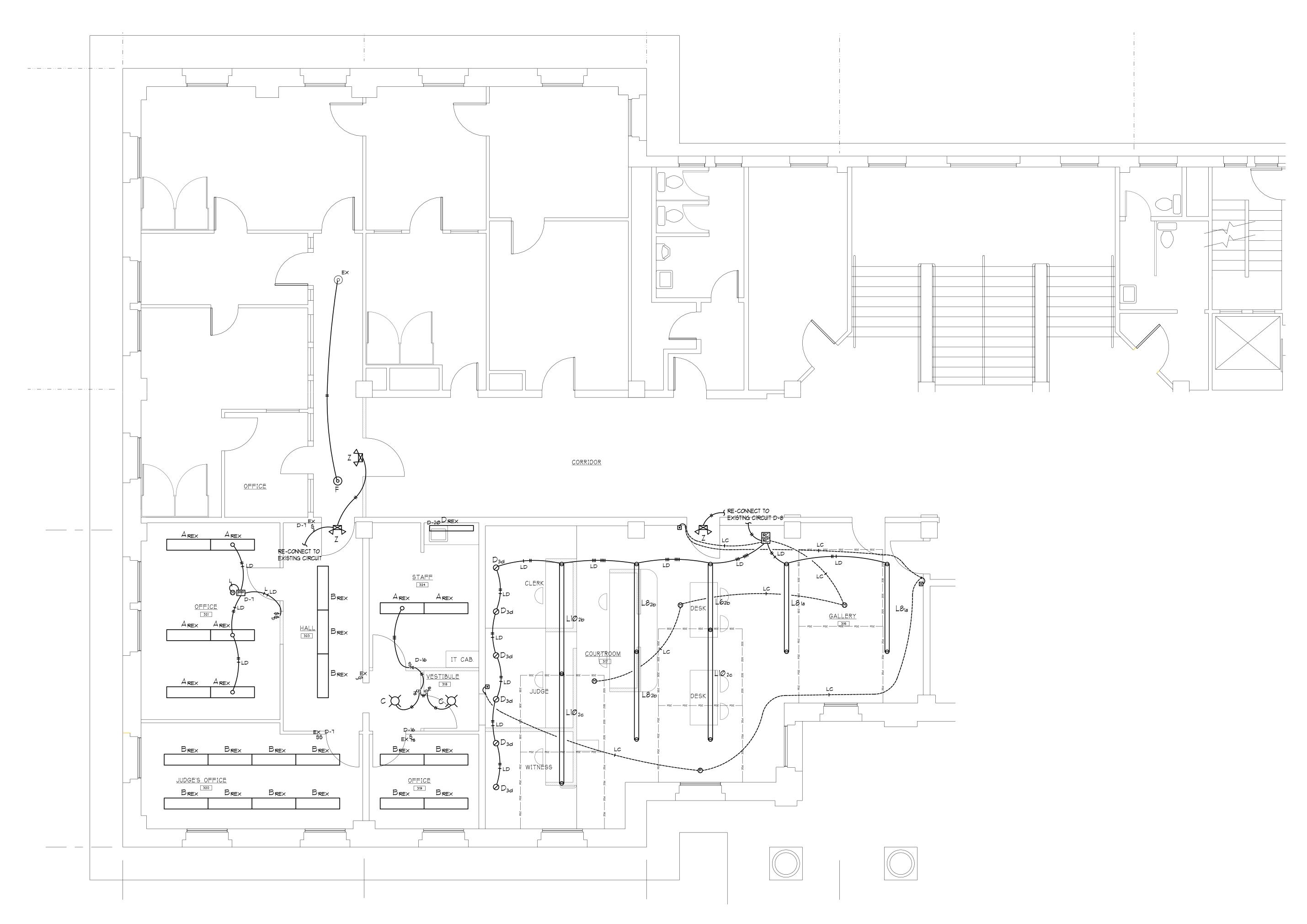
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2405	
PROJECT	NUMBER:

REVISIONS:

05-15-25 BID SET

SHEET TITLE:

ELECTRICAL - LIGHTING PLAN

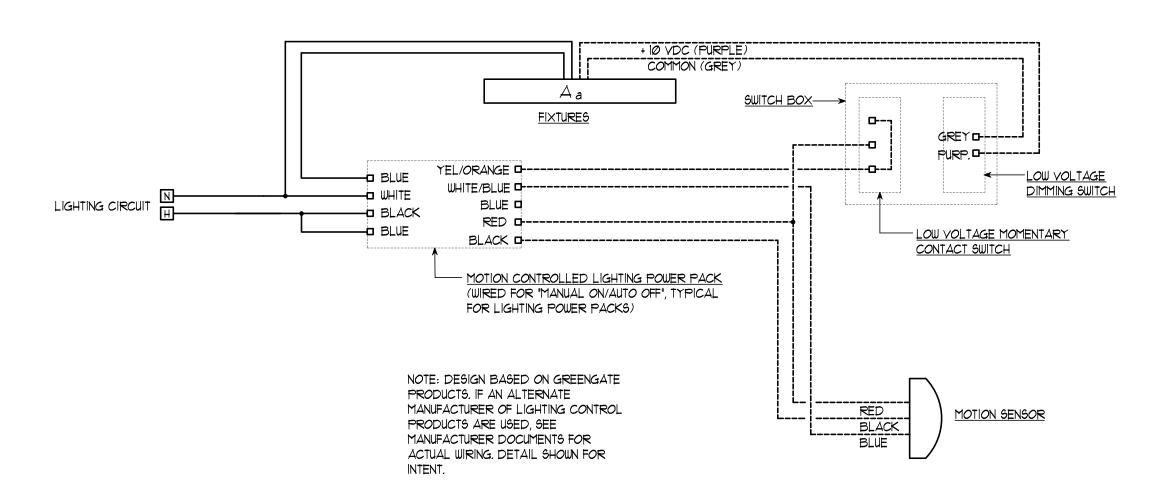
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LIGHTING CONTROL DIAGRAM - TYPICAL ROOMS WITH POWER PACKS

Space Type: X 20 X X X OFFICES X 20 X X CORRIDORS X 20 X X X X HEARING ROOM X 20 X X BREAK ROOMS (1) WALL SWITCH OCCUPANCY SENSOR.

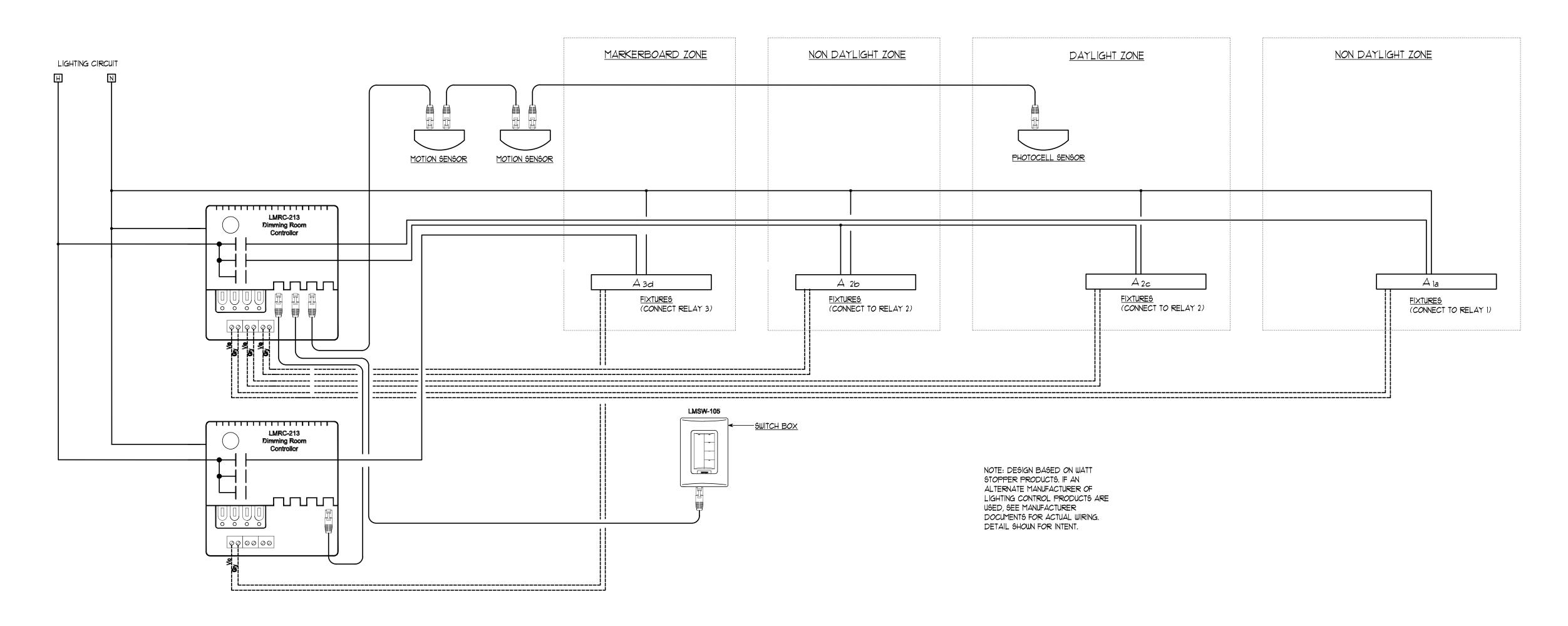
LIGHTING CONTROL SEQUENCE OF OPERATIONS

Input or Programmed Function:

TYPE	DESCRIPTION	DIMENSION	MOUNTING	COLOR TEMP.	LUMENS	VOLTS	DIMMING		LOA WATT	
A	LED VOLUMETRIC WRAPAROUND, DAMP LOCATION, WHITE PAINTED STEEL HOUSING, WITH ACRYLIC DIFFUSE LENS.	4' LONG	SURFACE	3500K	4800	120		COLUMBIA CRW4-LSCS LITHONIA STL4-48L-LP835 WILLIAMS 39-4-S-L52/835-A ILP FNW4-40-35-01	40	42
В	LED VOLUMETRIC WRAPAROUND, DAMP LOCATION, WHITE PAINTED STEEL HOUSING, WITH ACRYLIC DIFFUSE LENS.	4' LONG	SURFACE	3500K	3000	120	NONE	COLUMBIA CRW4-LSCS LITHONIA STL4-30L-LP835 WILLIAMS 39-4-S-L30/835-A ILP FNW4-30-35-01	25	26
С	CEILING FLUSH MOUNT ROUND, 7" ROUND WHITE FINISH, DIMMABLE.	7" ROUND	SURFACE	3000K	820	120		SATCO NUVO S9331 ASL SAS-7-WHITE-13.5-3000K-D7 ESSENTIAL SMT-3K7-14-900W DALS CFLEDR06-WH LITON LCMPD7RWT30	14	14
D	LED LENSED UNDERCOUNTER, WHITE POWDER COATED HOUSING, STEEL FRAME AND ACRYLIC DIFFUSER. DRY & DAMP LOCATION.	4' x 5" x 1"	SURFACE	3500K	2400	UNIV		AIREY-THOMPSON 13NX-N-35K-48-2-3 COLUMBIA CUC4-CS-ED120 HALO HU30M-SCTD-48-P WILLIAMS 1SF-4-L24/835 DMA-DRV	20	21
F	,	2" DIAMETEF 6" PENDANT		3500K	2000	UNIV	NONE	LURALINE SH12STEMX-OP-TL13-RAL-35K VISA CP4515-L35K-RBA-16 WESTPORT IL-SHB-3500-80-20-STM/DM/08-GDS	20	2
L6	LED LINEAR PENDANT, DIRECT/INDIRECT OPTICS, 1 CIRCUIT, AIRCRAFT CABLE SUSPENSION, WHITE COLOR, ALUMINUM PAINTED HOUSING AND END CAPS. SUITABLE FOR CONTINUOUS ROW MOUTING WITH ADJACENT FIXTURES.	6' x 4" x 2"	PENDANT	3500K	1200/FT 7200	120	1%	FINELITE HP-2-P-ID-6-B-V-835-TG-F-96LG-SC-FC-7 FA50-C4-FE-SW LUMENWERX VIA2P-DI-HLO-FH-WIO2-SW-80CRI- 750LMF-500LMF-35K-6FT0IN-D1-1C-ACS-W NEORAY S122DIP-C-865D-530U-835-C4-JB-6FO-1- DD-F-1-W WILLIAMS MX2UD-6'-L4/835U/L8/835D-F-F-AC/D24	65 -DIM	68
L8	LED LINEAR PENDANT, DIRECT/INDIRECT OPTICS, 1 CIRCUIT, AIRCRAFT CABLE SUSPENSION, WHITE COLOR, ALUMINUM PAINTED HOUSING AND END CAPS. SUITABLE FOR CONTINUOUS ROW MOUTING WITH ADJACENT FIXTURES.	8' x 4" x 2"	PENDANT	3500K	1200/FT 9600	120	1%	FINELITE HP-2-P-ID-8-B-V-835-TG-F-96LG-SC-FC-7 FA50-C4-FE-SW LUMENWERX VIA2P-DI-HLO-FH-WIO2-SW-80CRI- 750LMF-500LMF-35K-8FT0IN-D1-1C-ACS-W NEORAY S122DIP-C-865D-530U-835-C4-JB-8FO-1- DD-F-1-W WILLIAMS MX2UD-8'-L4/835U/L8/835D-F-F-AC/D24		9.
L10	LED LINEAR PENDANT, DIRECT/INDIRECT OPTICS, 1 CIRCUIT, AIRCRAFT CABLE SUSPENSION, WHITE COLOR, ALUMINUM PAINTED HOUSING AND END CAPS. SUITABLE FOR CONTINUOUS ROW MOUTING WITH ADJACENT FIXTURES.	10' x 4" x 2"	PENDANT	3500K	1200/FT 12,000	120	1%	FINELITE HP-2-P-ID-10-B-V-835-TG-F-96LG-SC-FC FA50-C4-FE-SW LUMENWERX VIA2P-DI-HLO-FH-WIO2-SW-80CRI- 750LMF-500LMF-35K-10FT0IN-D1-1C-ACS-W NEORAY S122DIP-C-865D-530U-835-C4-JB-10FO-1 DD-F-1-W WILLIAMS MX2UD-10'-L4/835U/L8/835D-F-F-AC/D2	-	11
Z	LED COMBINATION LIGHTED EXIT SIGN & EMERGENCY LIGHTING UNIT, SINGLE FACE, UNIVERSAL MOUNT, WHITE WITH GREEN LETTERS, POLYCARBONATE OR THERMOPLASTIC HOUSING, LED LAMPS, SELF CONTAINED NI-CAD BATTERIES & BUILT-IN DIAGNOSTICS.	10" x 12"	UNIVERSAL	N/A	N/A	120		CHLORIDE CLC-N-GW DUAL-LITE EVC-U-G-W-I EMERGI-LITE ELXN400-G-2LED-AD EXITRONIX GVLEDC-51-WH-G2 LITHONIA LHQM-SW-3-G-SD SURE-LITES APC-7-G	5	8

NOTES:

- 1. CONTRACTOR & LIGHTING FIXTURE SUPPLIER SHALL VERIFY DESCRIPTION, MOUNTING REQUIREMENTS, CATALOG NUMBERS, ETC. MATCH. ADVISE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
- 2. ALL LED 0-10V DIMMING DRIVERS SHALL BE COMPATIBLE WITH MOTION CONTROLLERS, PHOTO-CONTROLLERS, DIMMER SWITCHES, ETC.



LIGHTING CONTROL DIAGRAM - TYPICAL ROOMS ROOM CONTROLLERS



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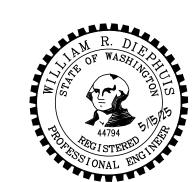
116 EAST FIR STREET SUITE A MOUNT VERNON, WA. 98273

(360) 424-0394 (360) 424-5726

K Engineers Inc. 208 Third Street Lynden, WA. 98264 Bus. (360) 354—4757 FAX (360) 354—6794

SKAGIT COUNTY COURTHOUSE HEARING ROOM REMODEL 700 S. SECOND STREET MOUNT VERNON, WA 98273

CONTACT: KEN HANSEN EMAIL: khansen@co.skagit.wa.us PHONE: (360) 416-1179



A4794 5/15/NO A4794 SINGINGS IONAL ENGLISHED
2405 PROJECT NUMBER:
REVISIONS:
05-15-25 BID SET

05-15-25 BID SET

SHEET TITLE:

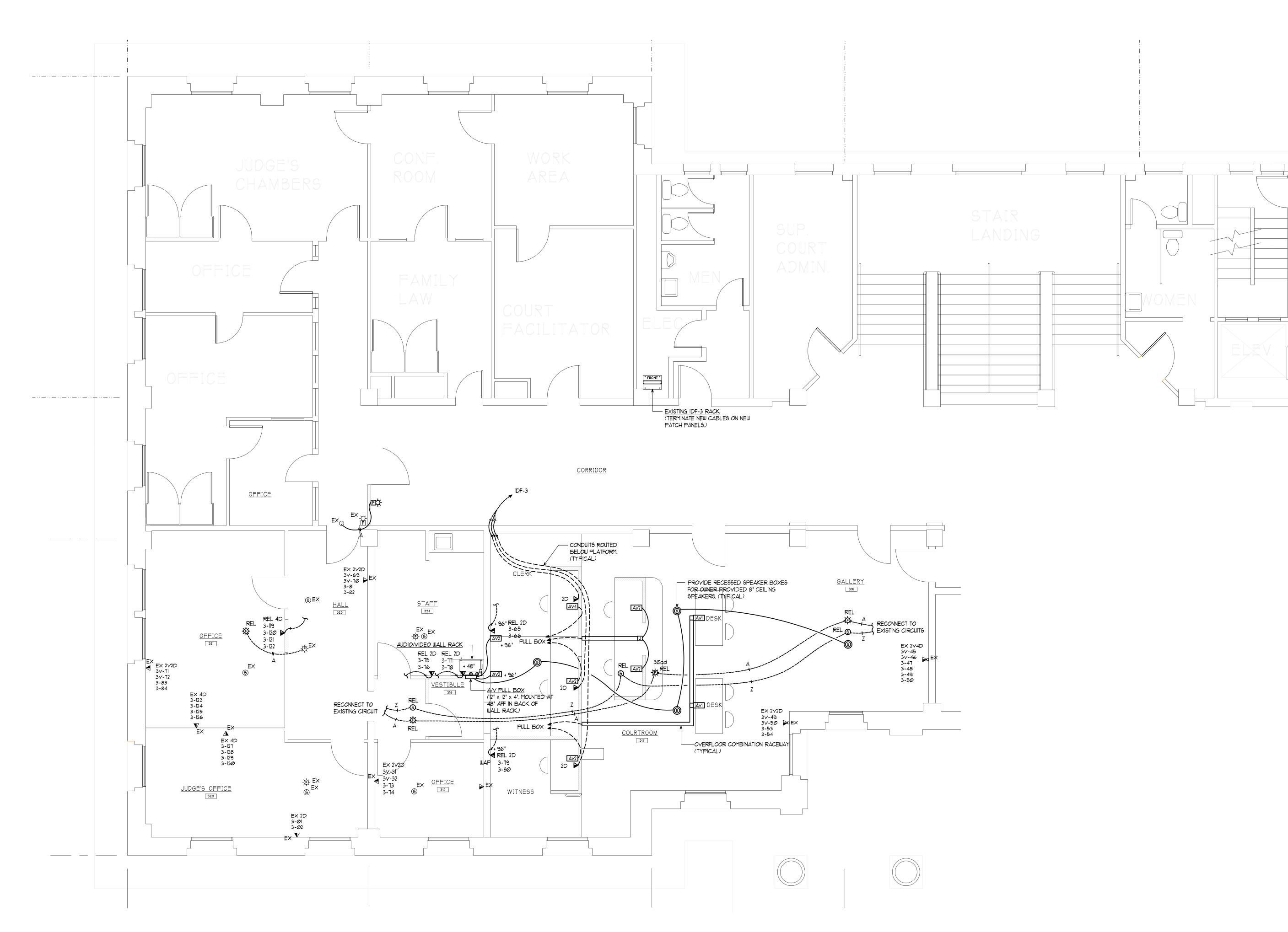
ELECTRICAL - LIGHTING DETAILS

PJC PROJECT ARCHITECT:

KL DRAWN BY:

BD CHECKED BY: MAY 15, 2025

2405\SKAGIT COURTHOUSE COMPUTER FILE NAME





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architecture & planning

116 EAST FIR STREET

SUITE A
MOUNT VERNON, WA. 98273

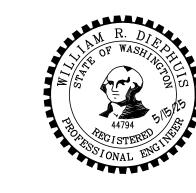
one: (360) 424-0394 IX: (360) 424-5726

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2405	
PROJECT	NUMBER:

REVISIONS:
05-15-25 BID SET

SHEET TITLE:

ELECTRICAL - ANCILLARIES
PLAN

PJC PROJECT ARCHITECT:

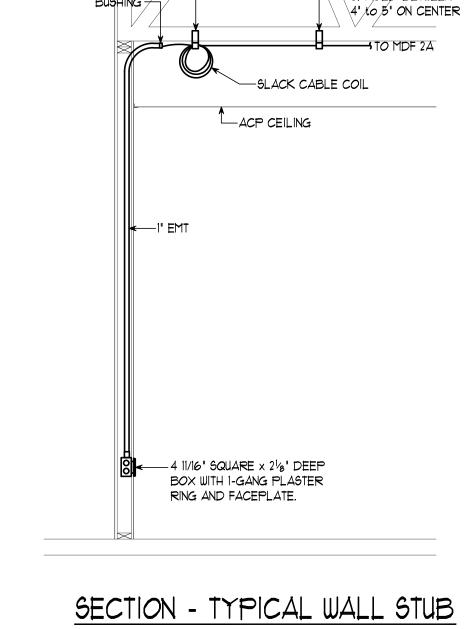
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MAY 15, 2025 DATE

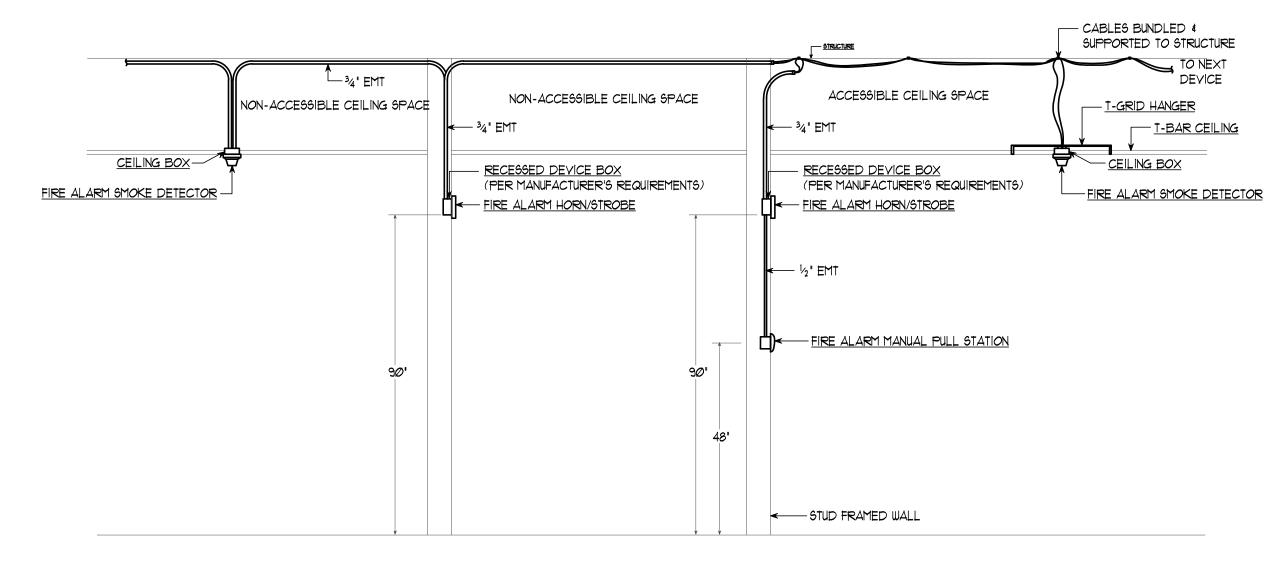
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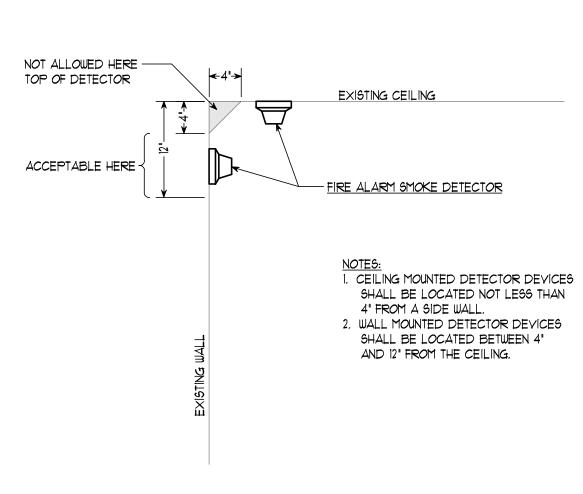


- J-HOOK SUPPORTS SPACED BETWEEN

SCALE: 1/2" = 1' - 0"



DETAIL - TYPICAL FIRE ALARM DEVICES AND RACEWAYS



DETAIL - DETECTOR DEVICE MOUNTING



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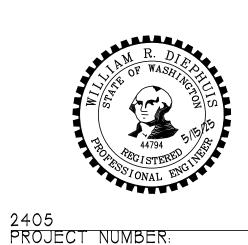
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REVISIO	DNS:		
05-15-2		SET	
SHEET	TITLE	:	

ELECTRICAL	- ANCILLARIES
DETAILS	

-			
-			

PJC		
PROJECT	ARCHITECT:	

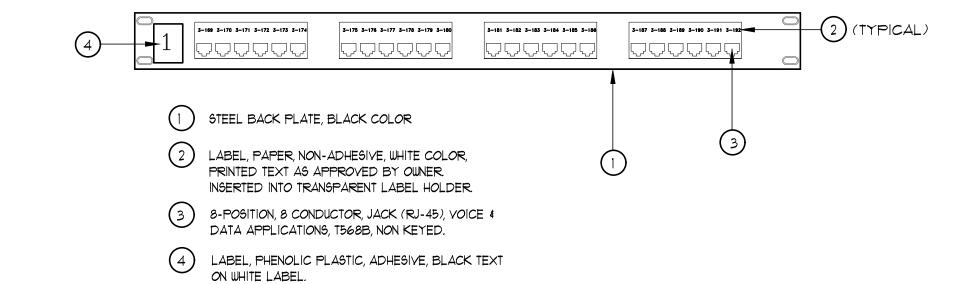
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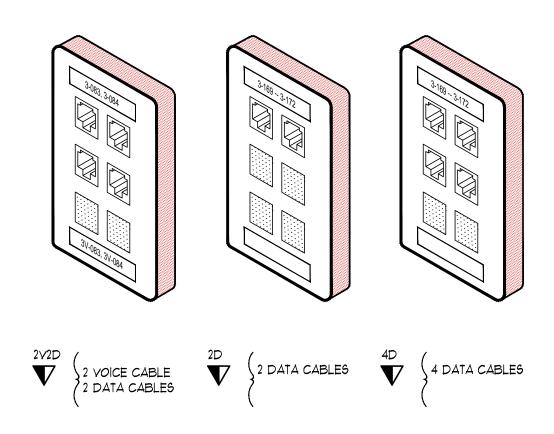
MAY 15, 2025 DATE 2405\SKAGIT COURTHOUSE COMPUTER FILE NAME

NOTES:

- I. LABELING OF TERMINATION HARDWARE
 - A. TERMINATION OF HORIZONTAL UTP CABLE IN THE TELECOMM. ROOM SHALL BE ON 110 TO MODULAR PATCH PANELS, 48 PORT CAPACITY.
 - B. ALL HORIZONTAL UTP CABLES SHALL BE LABELED WITH CABLE ID NUMBERS ON A BLUE LABEL INSERT INSERTED IN A TRANSPARENT LABEL COVER AT THE PATCH PANEL MODULAR JACK
 - C. LABELS FOR TERMINATION HARDWARE SHALL BE TYPE-WRITTEN.
 - D. ALL HORIZONTAL 4 PAIR CABLES SHALL BE LABELED IN ACCORDANCE WITH THE TIA/EIA-606-A LABELING STANDARD. SEE DETAIL, THIS DRAWING.
 - E. ALL JACKS SHALL BE LABELED AT THE OUTLET FACEPLATE AND THE PATCH PANEL.
- 3. CROSS CONNECT WIRE & WIRE TROUGHS
- A. CABLE MANAGEMENT SECTIONS SHALL BE LOCATED HORIZONTALLY BETWEEN PATCH PANELS. CABLE MANAGEMENT SECTIONS SHALL BE 2U HIGH.



MODULAR PATCH PANEL COMPONENT LEGEND



TYPICAL COMMUNICATIONS OUTLET FACEPLATE CONFIGURATIONS

NOTES:

- 1. TERMINATE ALL CONDUCTORS OF ALL CABLES ON RECEPTACLES (JACK INSERTS).
- 2. CABLES FROM EACH VOICE & DATA RECEPTACLE
 (JACK INSERT) IN EACH OUTLET SHALL BE HOMERUN
 TO THE TELECOM ROOM INDICATED ON THE PLANS,
 WITHOUT SPLICES OR TAPS. CABLE LENGTH SHALL
 NOT EXCEED 300'. RE-ROUTE \$/OR PROVIDE ADDITIONAL
 RACEWAYS AS REQUIRED IF 300' LIMITATION IS EXCEEDED.
- OTHER OUTLET FACEPLATE CONFIGURATIONS SHALL BE SIMILAR WITH SIMILAR CABLING REQUIREMENTS.
- 4. TERMINATION HARDWARE SHALL BE AMP STANDARS SERIES, NO SUBSTITUTIONS, TO MATCH EXISTING.
- FORMAT: 3-169, 3V-80, ETC

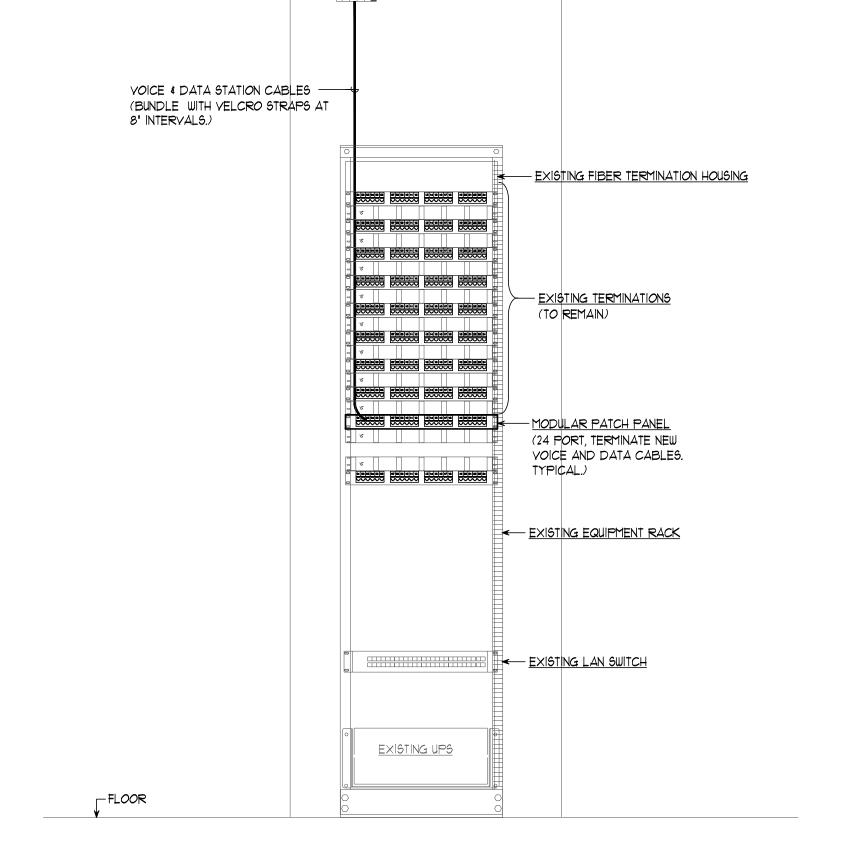
 3 --- IDF ROOOM IDENTIFIER

 169 --- SEQUENTIAL NUMBER OF CABLE

 3V --- "V" INDICATES VOICE DEDICATED CABLE
- 2 4 4 9
- 1 6-PORT FACEPLATE, SINGLE GANG, IVORY COLOR
- OUTLET LABEL, PAPER, NON-ADHESIVE, PRINTED TEXT AS APPROVED BY OWNER.
- 8-POSITION, 8-CONDUCTOR JACK INSERT (RJ-45)
 DATA APPLICATIONS, T568B, NON-KEYED, ORANGE
 COLOR
- 8-POSITION, 8 CONDUCTOR, JACK INSERT (RJ-45)
 VOICE APPLICATIONS, T568B, NON KEYED, IVORY
 COLOR
- 9 BLANK INSERT, IVORY COLOR (TYPICAL)

COMMUNICATIONS OUTLET LABELING CONVENTION

COMMUNICATIONS OUTLET COMPONENT LEGEND
NO SCALE



CEILING -

ELEVATION - TELECOM ROOM IDF 3

SCALE: 1' = 1' - 0'

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2405		
PROJECT	NUMBEK:	

REVISIONS:

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SHEET TITLE:

DETAILS

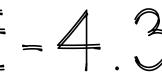
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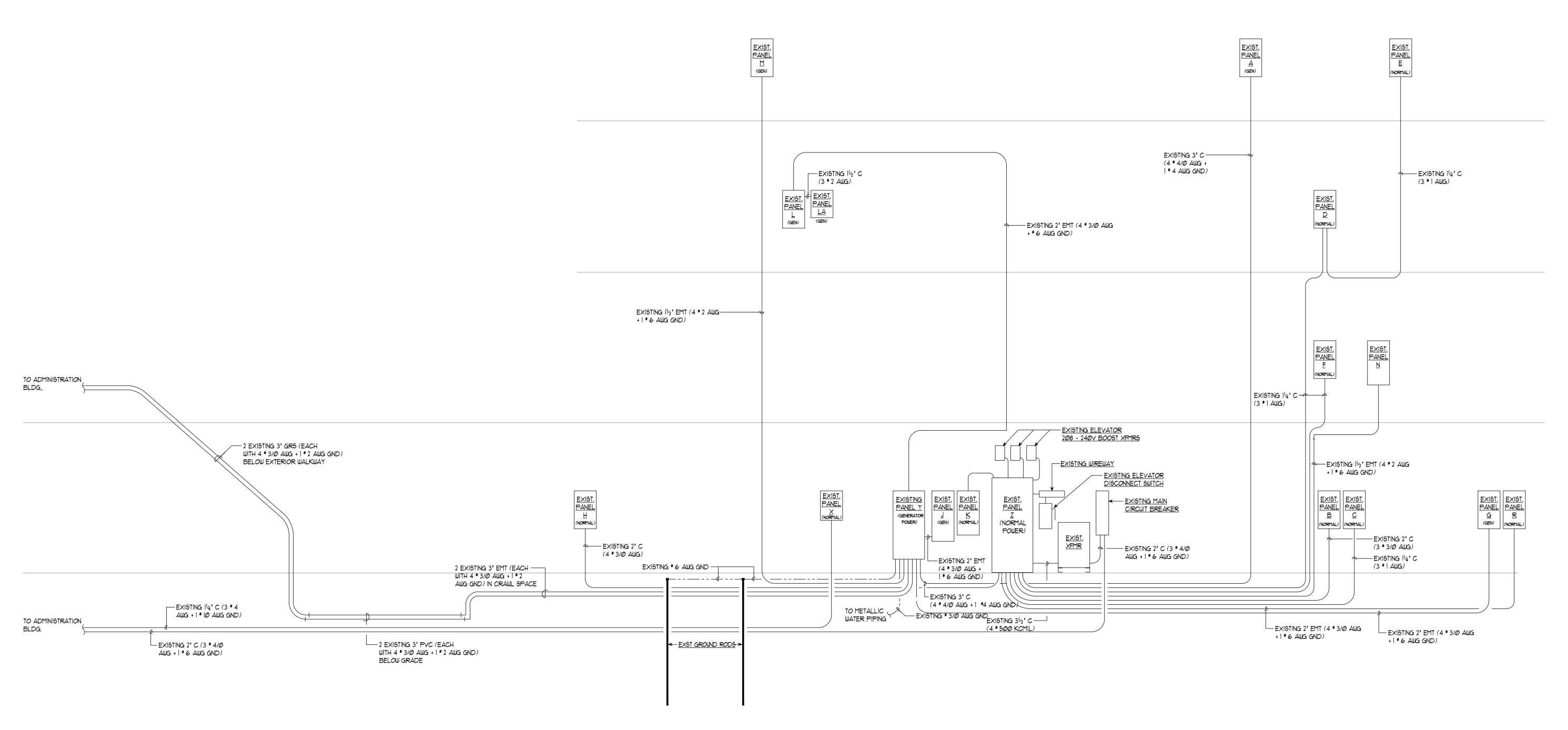
KL DRAWN BY:

CHECKED BY:
MAY 15, 2025

MAY 15, 2025 Date

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POWER SYSTEM RISER DIAGRAM - COURTHOUSE BUILDING



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2405		
PROJECT	NUMBER:	

S:	
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ELECTRICAL - POWER

SHEET TITLE:

SYSTEM RISER DIAGRAM

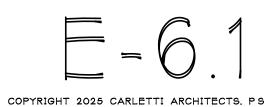
PJC PROJECT ARCHITECT:

KL
DRAWN BY:

BD
CHECKED BY:

MAY 15, 2025 DATE

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	NG MAIN CIRCUIT BRE					_: -								ROOM
VOLTAGE: TYPE:	480Y/277 V, 3 PH, 4 W	SPECIAL PROVISIO	DNS:			1	TRICAL				NN. LOAD (DEMAND	
ENCLOSUE	CIRCUIT BREAKER RE: NEMA 1	NAMEPLATE				Lighting	LCULA1	IION		EXIST. 37454.0	NEW 925.0	TOTAL 38379.0	FACTOR 1.25	47973.8
MOUNTING		17 10121 27 112				Gen. Purp	ose Out	lets (First	10 KVA)	10000.0	0.0	10000.0	1.00	10000.0
		SUITABLE FOR		RVICE	Ξ	Gen. Purp	ose Out	llets (Rem		30500.0	720.0	31220.0	0.50	15610.0
	DUS RATING: 175 A	ENTRANCE EQU	JIPMENT			Special Pu				8220.0	0.0	8220.0	1.00	8220.0
FULL AIC F	•					Mechanica Kitchen E			ncoc	5993.3 0.0	0.0	5993.3 0.0		5993.3 0.0
SENIES AI	PRATING. NONE					Miscellane		п о дррпа	liices	22126.0	0.0	22126.0	1.00	22126.0
						25% Large	est Moto	or						2689.0
						TOTALLO				1110000	4045.0	115000.0		440040
						TOTAL LO				114293.3 137.5	1645.0 2.0	115938.3 139.5		112612.1 135.5
						TOTAL A	vii O			107.0	2.0	100.0		100.0
	NG TRANSFORMER X					FLEC			OUSE BU	JILDING,				
KVA:	112.5 PHASE: 3	TYPE: DRY					TRICAL			EXIST.	NN. LOAD (VA) TOTAL	DEMAND FACTOR	
PRIMARY:	480 DELTA	ENCLOSURE:				Lighting	LOOLA	1011		37454.0	925.0	38379.0		47973.
SECONDA	==-	NEMA 1, FLOOF	R MOUNTED			Gen. Purp				10000.0	0.0	10000.0	1.00	10000.0
TAPS:	2 @ 2.5% FCAN	MAINIDINIOO				Gen. Purp			ainder)	30500.0	720.0	31220.0	0.50	15610.
	2 @ 2.5% FCBN	WINDINGS: MANUFACTURE	R'S STANDA	ARD		Special Pu				8220.0 5993.3	0.0	8220.0 5993.3		8220.0 5993.3
COOLING:	OA	WANT ACTORE	IN O OTANDA	מאו		Kitchen E			nces	0.0	0.0	0.0	1.00	0.0
						Miscellane	eous			22126.0	0.0	22126.0	1.00	22126.0
INSULATIO						25% Larg	est Moto	or						2689.0
TEMP. RISI	E: 150C (40C AMBIENT)					TOTAL LO	DAD			114293.3	1645.0	115938.3		112612.
						TOTAL A		RIMARY)		137.5	2.0	139.5		135.
						TOTAL A	MPS (SE	ECONDÁF	RY)	317.2	4.6	321.8		312.6
EVICTI	NG PANEL Z						COL	IDTU	OLICE DI	III DING	CIDOT D		ELECT	POOL
VOLTAGE:	208Y/120V, 3 PH, 4 W	FEEDER/BRANCH	Q.	FLEC	TRICAL		JUSE BU		JILDING, FIRST FLOOR ELECT CONN. LOAD (VA) DEMAND					
TYPE:	ITE PANELBOARD	BOLT-ON CIRCU			J.	1	LCULA1			EXIST.	NEW		FACTOR	
ENCLOSU		FULL AIC RATIN			000 A	Lighting				37454.0	925.0	38379.0		47973.8
MOUNTING	S: SURFACE	SERIES AIC RAT	TING:	N	IONE	Gen. Purp				10000.0	0.0	10000.0		10000.0
BI ISSING:	MANUFACTURER'S STANDARD	SPECIAL PROVISIO	JVIG.			Gen. Purp Special Pu			iainder)	30500.0 8220.0	720.0 0.0	31220.0 8220.0	0.50 1.00	15610.0 8220.0
DOSSING.	CONTINUOUS RATING: 400 A	SPECIAL PROVISIO	JNO.			Mechanic				5993.3	0.0	5993.3	1.00	5993.3
	FULL AIC RATING: 10,000 A	MASTER NAME	PLATE			Kitchen E			nces	0.0	0.0	0.0	1	0.
	SERIES AIC RATING: NONE					Miscellane				22126.0	0.0	22126.0	1.00	22126.0
MAIN:	LUGS ONLY	GROUND BAR				25% Larg	est Moto	or						2689.0
WIZTHN.	LOCATION: BOTTOM					TOTAL LO	DAD			114293.3	1645.0	115938.3		112612.1
						TOTAL A	MPS			317.2	4.6	321.8	1	312.6
CONN.	FEEDER/BRANCH CIRCUIT		ВК	(P	CKT	BUS	СКТ	BKR	FEEDI	ER/BRANCH C	IDCI IIT			CONN.
LOAD (VA)			NOTE AMI		NO	(PHASE)		AMP/P		DESCRIPTIO			NOTE	LOAD (VA
	PANEL K - FIRST FLOOR ELECTI	RICAL ROOM	100		1	Α	2			R FUTURE US				0.0
6304.0					3	В	4							0.0
6074.0	PANEL H - FOURTH FLOOR		100	2/2	5 7	C	8	100/3	DANEL E. G	SECOND FLO	O B			0.0 6856.0
352.0	FANEL H - FOORTH FLOOR		100)/3 	9	АВ	10	100/3	PAINEL E - S	SECOND FLO	JK			5271.0
0.0					11	c	12							5202.0
	PANEL D - THIRD FLOOR		100	0/3	13	Α_	14	100/2	SPARE					0.0
4350.0 0.0					15 17	ВС	16 18							0.0
	ELEVATOR (VIA BOOST TRANSF	ORMERS)	175	5/3	19	Α	20	175/3	PANEL B - F	FIRST FLOOR	MAIN COR	RIDOR		12182.0
3585.3	, , , , , , , , , , , , , , , , , , , ,	,			21	В	22]		- SECOND F				12995.0
3585.3	ODAGE FOR FUTURE 1:07				23	C	24	050/2	ODA DE					0.0
0.0	SPACE FOR FUTURE USE				25 27	АВ	26 28	350/3	SPARE					0.0
0.0					29	C	30	1						0.0
9787.0	PANEL R - FIRST FLOOR		200	0/3	31	Α	32	100/3	PANEL N - S	SECOND FLO	OR HEARIN	G ROOM		3796.
8346.0					33	В	34	!						2569.1
6122.0	SPARE		200	0/3	35 37	A C	36 38	125/3	SPARE					2569. ⁻
0.0	J. , IIXE		200	J, J	39	В	40	120/0	J. / (()					0.0
0.0			İ		41	. с	42	l i						0.0
0.0 0.0	SPACE FOR FUTURE USE				43 45	АВ	44	1	SPACE FOR	R FUTURE US	E			0.0
					47	С	48							0.0
0.0														
0.0						MAIN LUG	C							

EXISTING PAI	NEL D						CO	URTHOU	SE BUIL	DING,	THIRD	FLOOR
VOLTAGE: 120/2	40V, 1 PH, 3 W	FEEDER/BRANCH CIRCUI	T DEVICE	S:	ELEC	TRICAL	. LOAD	CO	NN. LOAD (VA)	DEMAND	DEMAND
TYPE: SQUA	ARE D TYPE NQOB	BOLT-ON CIRCUIT BRI	EAKERS		CAL	.CULA1	TION	EXIST.	NEW	TOTAL	FACTOR	LOAD (VA)
PAN	IELBOARD	FULL AIC RATING:	10,	000 A	Lighting			4224.0	925.0	5149.0	1.25	6436.3
ENCLOSURE: NEMA	A 1	SERIES AIC RATING:	1	NONE	Gen. Purpo	ose Out	lets (First 10 KVA)	5220.0	720.0	5940.0	1.00	5940.0
MOUNTING: FLUS	SH				Gen. Purpo	ose Out	lets (Remainder)	0.0	0.0	0.0	0.50	0.0
		SPECIAL PROVISIONS:			Special Pu			0.0	0.0	0.0	1.00	0.0
BUSSING: MANUFAC	CTURER'S STANDARD				Mechanica	l Equip	ment	0.0	0.0	0.0	1.00	0.0
CONTINU	OUS RATING: 225 A	EX. GROUND BAR			Kitchen Eq	uipmen	t & Appliances	0.0	0.0	0.0	1.00	0.0
FULL AIC	RATING: 10,000 A				Miscellane	ous		0.0	0.0	0.0	1.00	0.0
SERIES A	IC RATING: NONE	EX. NAMEPLATE			25% Large	st Moto	r					502.3
					_							
MAIN: LUGS ON	LY	NEW CIRCUIT LABEL (CARD		TOTAL LO	AD		9444.0	1645.0	11089.0		12878.5
LOCATIO	N: BOTTOM				TOTAL AM	1PS		45.4	7.9	53.3		61.9
CONN. FEE	DER/BRANCH CIRCUIT		BKR	CKT	BUS	CKT	BKR FEEDE	R/BRANCH C	IRCUIT			CONN.
LOAD (VA)	DESCRIPTION	NOTE	AMP/P	NO	(PHASE)	NO		DESCRIPTION	١		NOTE	LOAD (VA)
1080.0 LTG - HAI			20/1	1	Α	2	20/1 LTG - BATH	ROOM				616.0
900.0 OUTLETS	- ROOMS 322, 323, & 3	24	20/1	3	В	4	20/1					0.0
739.0 LTG - RO	OMS 318 & 320		20/1	5	Α	6	20/1 LTG - ROOM	/IS 322, 323, 8	324			524.0
538.0 LTG - SV	/ OFFICES	(1)	20/1	7	В	8	20/1 LTG - COUF	RTROOM			(1)	897.0
0.0 SPARE		(2)	20/1	9	Α	10	20/1 SPARE				(2)	0.0
360.0 OUTLETS	- OFFICE 319	(1)	20/1	11	В	12	20/1					0.0
0.0 SPARE		(2)	20/1	13	Α	14	20/1					0.0
0.0 SPARE		(2)	20/1	15	В	16		KROOM, VES	TIBULE & O	FFICE	(1)	216.0
0.0			20/1	17	Α	18	20/1 OUTLETS -					360.0
	ITLETS - ROOM 316		20/1	19	В	20		LET - BREAKR	OOM CASE	WORK		201.0
540.0 OUTLETS	- SW OFFICES	(1)	20/1	21	Α	22	20/1 OUTLETS -	ROOM 311				540.0
0.0 SPARE		(2)	20/1	23	В	24	20/1 SPARE					0.0
360.0 OUTLETS			20/1	25	Α	26		SW OFFICES			(1)	1440.0
200.0 LTG - BAC			20/1	27	В	28	20/1 SPARE					0.0
540.0 OUTLETS	- ROOM 309		20/1	29	Α	30	20/1 SPARE				(2)	0.0
					MAIN LUGS	3						
					200	-						

NOTES:

(1) MODIFIED EXISTING CIRCUIT ON EXISTING CIRCUIT BREAKER.

(2) EXISTING CIRCUIT REMOVED AND CIRCUIT BREAKER MADE SPARE.

(3) ALL OTHER CIRCUITS ARE EXISTING TO REMAIN.

VOLTAGE:	208Y/120V, 3 PH, 4 W	FEEDER/BRANCH (S:	E	LEC.	TRICAL	. LOAD		COI	NN. LOAD (DEMAND	
TYPE:	SIEMENS POW-R-LINE3A	BOLT-ON CIRCU	JIT BRE					_CULA1	ΓΙΟΝ		EXIST.	NEW		FACTOR	
	PANELBOARD	FULL AIC RATIN	G:		000 A						1408.0	0.0	1408.0		1760.0
	RE: NEMA 1	SERIES AIC RAT	ING:	1	NONE					t 10 KVA)	3780.0	3060.0	6840.0	1.00	6840.0
MOUNTING	G: SURFACE								lets (Ren	nainder)	0.0	0.0	0.0	0.50	0.0
		SPECIAL PROVISIO	NS:					rpose C			900.0	750.0	1650.0	1.00	1650.0
BUSSING:	MANUFACTURER'S STANDARD			Mechanical Equipmen							121423.5	0.0	121423.5	1.00	121423.5
	CONTINUOUS RATING: 400 A	MASTER NAMER	PLATE						ıt & Applia	ances	0.0	0.0	0.0	1.00	0.0
	FULL AIC RATING: 10,000 A	00011100010				Misce					0.0	0.0	0.0	1.00	0.0
	SERIES AIC RATING: NONE	GROUND BAR				25%	Large	est Moto	or						2788.6
MAIN:	CIRCUIT BREAKER	SUITABLE FOR	JSE AS	SERVIC	E										
	CONTINUOUS RATING: 400 A	ENTRANCE EQU	JIPMEN	ΙT											
	FULL AIC RATING: 10,000 A														
	SERIES AIC RATING: NONE					TOTA					127511.5	3810.0	131321.5		134462.1
LOCATION: BOTTOM			ТОТА	AL AN	/IPS			353.9	10.6	364.5		373.2			
CONN.	FEEDER/BRANCH CIRCUIT			BKR	СКТ	BU	JS	CKT	BKR	FEED	ER/BRANCH C	IRCUIT			CONN.
LOAD (VA)			AMP/P	NO						DESCRIPTION	l		NOTE	LOAD (VA	
	SPARE			20/1	1	Α		2	20/1	SPARE					0.0
	SPARE			20/1	3	В		4	20/1	SPARE					0.0
	SPARE			20/1	5		С	6	20/1	SPARE					0.0
0.0				SPACE	7	Α	_	8	SPACE						0.0
0.0				SPACE	9	В		10	SPACE						0.0
0.0	ODAGE EOD EUTUDE LIGE (AUN	100 (0 DDE ALCED)		SPACE	11		С	12	SPACE		D ELITH IDE 1 105	- (1415) 400	(0 DDE 41/E	- \	0.0
0.0	SPACE FOR FUTURE USE (MIN.	100/3 BREAKER)			13 15	A	,	14 16	-	SPACE FO	R FUTURE USE	= (IVIIN. 100)	3 BREAKE	≺)	0.0
0.0					17	6	C	18							0.0
	SPACE FOR FUTURE USE (MIN.	100/2 DDEAKED)			19	Α	C	20		SBACE EO	R FUTURE USE	= /MINL 100	/2 DDEAKE	٥١	0.0
0.0	SPACETORTOTORE OSE (MIN.	100/3 BINLANLIN			21	^ в	2	22	-	SPACETO	INTOTONE OSE	_ (101114. 100/	3 BILANLI	\)	0.0
0.0					23	٦ -	C	24	1						0.0
	PANEL M - FOURTH FLOOR MEG	CHANICAL		100/3	25	Α	Ū	26		SPACE FO	R FUTURE USE	= (MIN 100	/3 BREAKE	₹)	0.0
1801.4	TO THE POSITION OF THE POSITIO	71 17 11 11 07 1L		1	27		3	28		017102101	010112 002	- (1011111: 100)	0 01(0,4(0)	')	0.0
1801.4				i	29	1 -	С	30							0.0
8339.2	PANEL L - THIRD FLOOR			200/3	31	Α		32	200/3	PANEL G -	FIRST FLOOR,	EAST			17712.2
9112.8				1	33	В	3	34	1 1		•				18222.9
11577.2				l i	35	1	С	36	1 i						17463.
5644.2	PANEL A - FOURTH FLOOR			225/3	37	Α		38	200/3	PANEL J - F	FIRST FLOOR,	ELECTRICA	AL ROOM		10694.4
					39	В	3	40							8284.0
5644.2				1	41	1	С	42	T :	1					6978.4

VOLTAGE:	208Y/120V, 3 PH, 4 W	FEEDER/BRANCH (CIRCUI	T DEVICE	S:	ELEC.	TRICAL	LOAD		CON	DEMAND	DEMAND		
TYPE:	SQUARE D TYPE NQOB	BOLT-ON CIRCU	JIT BRE	EAKERS		CAL	CULAT	ION		EXIST.	NEW	TOTAL	FACTOR	LOAD (VA
	PANELBOARD	FULL AIC RATIN	G:	10,	000 A	Lighting				1408.0	0.0	1408.0	1.25	1760.0
ENCLOSUF	RE: NEMA 1	SERIES AIC RAT	ING:	1	NONE	Gen. Purp	ose Outl	ets (First	10 KVA)	3240.0	3060.0	6300.0	1.00	6300.
MOUNTING	S: SURFACE					Gen. Purp			ainder)	0.0	0.0	0.0	0.50	0.
		SPECIAL PROVISIO	NS:			Special Pu	rpose O	utlets		0.0	750.0	750.0	1.00	750.
BUSSING:	MANUFACTURER'S STANDARD					Mechanica	ıl Equipn	nent		20571.2	0.0	20571.2	1.00	20571.
	CONTINUOUS RATING: 225 A	EX. MASTER NA	MEPLA	ATE		Kitchen Eq		& Applia	nces	0.0	0.0	0.0	1.00	0.
	FULL AIC RATING: 10,000 A					Miscellane	ous			0.0	0.0	0.0	1.00	0.
	SERIES AIC RATING: NONE	EX. GROUND BA	R			25% Large	st Motor	•						1206.
MAIN:	LUGS ONLY	NEW CIRCUIT L	ABEL (CARD		TOTAL LO	AD			25219.2	3810.0	29029.2		30588.
	LOCATION: BOTTOM				TOTAL AM	1PS			70.0	10.6	80.6		84.	
CONN.	FEEDER/BRANCH CIRC		BKR	СКТ	BUS	CKT	BKR	FE	EDER/BRANC	CH CIRCUIT	Γ		CONN.	
LOAD (VA)	DESCRIPTION		AMP/P	NO	(PHASE)	NO	AMP/P	DESCRIPTION				NOTE	LOAD (V	
946.4	HEAT PUMP	15/2	1	Α	2	15/2	HEAT PUMP					738.		
946.4					3	В	4							738.
	HEAT PUMP			15/2	5	С	6	15/2	HEAT PUMP					946.
946.4					7	Α	8							946.
	HEAT PUMP			15/2	9	В	10	15/2	SPARE					0.
395.2					11	С	12							0.
	HEAT PUMP			15/2	13	Α	14	15/2	HEAT PUMP					395.
946.4					15	В	16							395.
	HEAT PUMP			15/2	17	. С	18	25/2	HEAT PUMP					1393.
946.4					19	Α_	20							1393.
	SPARE			20/1	21	В	22	20/1	SPARE					0.
	OUTLETS - HEARING ROOM AUE		(1)	20/1	23	С .	24	20/1	SPARE					0.
	OUTLETS - HEARING ROOM & BR		(1)	20/1	25	A	26	20/1	SPARE	1. A				0.
	OUTLETS - HEARING ROOM JUD		(1)	20/1	27	В	28	100/2	SUB-PANEL	LA				4791.
1080.0	OUTLETS - HEARING ROOM DES	on5	(1)	20/1	29	С	30							5119.

NOTES:

(1) NEW CIRCUIT CONNECTED TO EXISTING SPARE CIRCUIT BREAKER.

(2) ALL OTHER CIRCUITS ARE EXISTING TO REMAIN.



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2405		
PROJECT	NUMBER:	
-		

REVISIONS: 05-15-25 BID SET

SHEET TITLE:

ELECTRICAL - PANEL SCHEDULES

PJC PROJECT ARCHITECT:

KL DRAWN BY:

BD CHECKED BY:

MAY 15, 2025 DATE

2405\SKAGIT COURTHOUSE COMPUTER FILE NAME

