

GENERAL NOTES

- CONTRACTOR SHALL VERIFY DIMENSIONS IN FIELD PRIOR TO PROCEEDING WITH ANY WORK.
- THESE DOCUMENTS HAVE BEEN PRODUCED TO THE BEST OF THE ENGINEER'S ABILITY FROM AVAILABLE EXISTING INFORMATION AND/OR SURVEY OF FIELD CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTING FIELD CONDITIONS PRIOR TO BID AND PROVIDE A WRITTEN SUBMITTAL TO ENGINEER IDENTIFYING ANY DISCREPANCIES OR VARIANCES FOUND. THE SUBMITTAL MUST ALSO INCLUDE ANY COSTS REQUIRED FOR THE CONTRACTOR'S WORK TO MEET EXISTING CONDITIONS.
- ALL WORK SHALL BE PERFORMED WITH QUALITY WORKMANSHIP, TO THE APPROVAL AND SATISFACTION OF THE ENGINEER.
- ALL WORK, MATERIAL AND INSTALLATION SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE AND NATIONAL CODES AND ORDINANCES.
- CONTRACTOR TO VERIFY ANY CHANGES TO THIS SCOPE OF WORK WITH ENGINEER PRIOR TO ROUGH-IN OR INSTALLATION.**

POST CONSTRUCTION PHASE GENERAL NOTES

CONTRACTOR SHALL PROVIDE RECORD DRAWINGS TO ENGINEER. DRAWINGS SHALL INCLUDE ALL ADDENDUM ITEMS, ACCEPTED REQUESTS FOR INFORMATION (RFIS), CHANGE ORDERS, ALTERATIONS, REROUTING, FIELD SKETCHES, MARK-UPS, ETC.

SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOW THAT WORK IS DEFECTIVE, CONTRACTOR SHALL MAKE CORRECTIONS NECESSARY AT NO COST TO OWNER.

CONTRACTOR'S FAILURE TO ORDER OR RELEASE ORDER FOR MATERIALS AND/OR EQUIPMENT WILL NOT BE ACCEPTED AS A REASON TO SUBSTITUTE ALTERNATE MATERIALS OR EQUIPMENT.

SYSTEMS AND THEIR COMPONENTS SHALL BE COMPLETE, OPERABLE AND READY FOR CONTINUOUS OPERATION.

SCOPE

THE SCOPE OF WORK COVERED HEREIN CONSISTS OF FURNISHING ALL LABOR, MATERIALS, NECESSARY EQUIPMENT, AND SERVICES TO COMPLETE THE DESIGN AND RELATED WORK IN FULL ACCORDANCE WITH THESE DRAWINGS, AS SPECIFIED HEREIN, OR BOTH, AND IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT.

CODES, RULES, PERMITS, AND FEES

THE CONTRACTOR (MECHANICAL, ELECTRICAL AND PLUMBING) IS GENERALLY RESPONSIBLE TO ENSURE ALL WORK, BOTH OLD AND NEW, COMPLIES WITH THE APPLICABLE CODE (SPECIFIED BY THE JURISDICTION IN WHICH THE WORK IS BEING COMPLETED) AS WELL AS ANY APPLICABLE LOCAL CODES, STATE CODES, ADDENDUMS, AND ORDINANCES.

SHOP DRAWINGS

SHOP DRAWINGS FOR MATERIALS OR PRODUCTS SPECIFIED HEREIN AND/OR INDICATED ON DRAWINGS BY TRADE NAME, MANUFACTURER'S NAME OR CATALOG NUMBER SHALL BE PROVIDED AS SPECIFIED.

SUBSTITUTIONS FOR EQUIPMENT SPECIFIED IN THIS SCOPE OF WORK MUST BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK.

COOPERATION WITH OTHER TRADES

THE SUBCONTRACTOR SHALL GIVE FULL COOPERATION TO OTHER TRADES AND SHALL FURNISH, IN WRITING, TO THE CONTRACTOR, WITH COPIES TO THE ENGINEER (OR ARCHITECT), ANY INFORMATION NECESSARY TO PERMIT THE WORK OF ALL TRADES TO BE INSTALLED SATISFACTORILY AND WITH THE LEAST POSSIBLE INTERFERENCE OR DELAY. COORDINATE ALL INFORMATION ON EQUIPMENT FURNISHED BY OTHERS BEFORE BEGINNING INSTALLATION.

CUTTING, PATCHING AND FINISHING

UNLESS NOTED OTHERWISE THE CONTRACTOR SHALL DO ALL CUTTING, DRILLING, ETC. REQUIRED FOR WORK UNDER THIS SECTION OF THE SPECIFICATION, INSIDE THE BUILDING.

MATERIAL AND WORKMANSHIP

ALL MATERIALS AND APPARATUS REQUIRED FOR THE WORK SHALL BE NEW UNLESS INDICATED OTHERWISE IN THE PLANS.

RECORD DRAWINGS

THE CONTRACTOR SHALL KEEP ACCURATE RECORDS OF CHANGES OR ALTERATIONS DURING THE ACTUAL CONSTRUCTION PROCESS IF DIFFERENT FROM THE PLANS.

THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A REPRODUCIBLE SET OF PLANS FOR EACH DISCIPLINE OF THE COMPLETE INSTALLATION ALONG WITH FIRE ALARM SYSTEM, AS INSTALLED. THE SCALE ON THESE DRAWINGS SHALL BE NO SMALLER THAN THE SCALE USED ON THE ORIGINAL PLANS.

TESTING

FINAL TESTS SHALL BE MADE ONLY AFTER THE ENGINEER IS SATISFIED THAT ALL WORK HAS BEEN COMPLETED.

FINAL ACCEPTANCE

AFTER TESTING, A FINAL INSPECTION SHALL BE MADE BY THE ENGINEER AND OTHER AUTHORIZED PERSONS WITH THE CONTRACTOR.

FINAL ACCEPTANCE OF THE PROJECT SHALL NOT SUPERSEDE THE OWNER'S RIGHT TO REQUIRE REPLACEMENT AND/OR REPAIR ANY DEFECTIVE WORK OR MATERIALS.

ELECTRICAL GENERAL NOTES

- ALL ELECTRICAL EQUIPMENT SHALL BE U.L. LISTED. ALL EQUIPMENT SHALL BE INSTALLED PER U.L. REQUIREMENTS.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, SPICES, AND INSPECTIONS.
- ELECTRICAL CONTRACTOR SHALL SUBMIT ELECTRONIC COPIES OF ALL ELECTRICAL EQUIPMENT AND LIGHT FIXTURES TO ENGINEERING THROUGH THE GENERAL CONTRACTOR FOR APPROVAL PRIOR TO ORDERING.
- FOR ALL EQUIPMENT IDENTIFIED AS PROVIDED BY OTHERS, THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF EQUIPMENT PRIOR TO ROUGH-IN.
- ALL WIRE SHALL BE THW/THHW, 75 DEGREE CELSIUS RATED FOR GENERAL USE UNLESS NOTED OTHERWISE.
- MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS NOTED OTHERWISE.
- ALL WIRE SIZES INDICATED ARE FOR INSTALLATION IN A MAXIMUM OF 30-DEGREE CELSIUS AMBIENT CONDUCTOR AMPACITY. SHALL BE DERATED FOR HIGHER AMBIENT INSTALLATION. CONTRACTOR SHALL COORDINATE WIRE SIZE ADJUSTMENT IN AMBIENT TEMPERATURES HIGHER THAN 30-DEGREE CELSIUS.
- WIRE TERMINATION PROVISIONS FOR PANEL BOARDS, CIRCUIT BREAKERS, SAFETY SWITCHES AND ALL OTHER ELECTRICAL APPARATUS SHALL BE LISTED SUITABLE FOR AT A MINIMUM 75-DEGREE CELSIUS.
- PROVIDE MAINTENANCE RECEPTACLES WITHIN 25' OF ALL MECHANICAL, MOTORIZED OR ROOFTOP MOUNTED EQUIPMENT.
- RECEPTACLES INSTALLED OUTSIDE, ON BUILDING EXTERIOR, ON THE ROOF, WITHIN 6' OF ANY SINK (OR WATER SOURCE CONNECTION), VENDING MACHINES, BATHROOM, AND KITCHEN AREAS SHALL BE GFCI TYPE OR PROTECTED BY GFCI CIRCUIT BREAKERS PER NEC.
- CONNECTION AND ROUGH-IN REQUIREMENTS TO EQUIPMENT SHALL BE PER MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH VENDOR'S EQUIPMENT SPECIFIED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT, WHICH IS DAMAGED DUE TO INCORRECT FIELD WIRING, PROVIDED UNDER THIS SECTION OR FACTORY WIRING IN EQUIPMENT PROVIDED UNDER THIS SCOPE OF WORK.
- CONTRACTOR SHALL PROVIDE FINAL CONNECTIONS TO ANY EQUIPMENT FURNISHED AND PROVIDED BY OWNER. EXACT LOCATION OF EQUIPMENT SHALL BE VERIFIED PRIOR TO ROUGH-IN.
- ALL NEW EQUIPMENT SUCH AS SWITCHBOARDS, DISTRIBUTION BOARDS, DISCONNECT SWITCHES, TRANSFORMERS AND PANEL-BOARDS SHALL BE BY THE SAME MANUFACTURER UNLESS APPROVED BY ENGINEERING.
- COORDINATE WITH MECHANICAL DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT. SHOULD MECHANICAL EQUIPMENT LOCATIONS DIFFER FROM THOSE SHOWN ON ELECTRICAL DRAWINGS, MECHANICAL DRAWINGS SHALL GOVERN. ENGINEER SHALL BE NOTIFIED OF ANY NECESSARY ADJUSTMENTS THEREIN.
- PROVIDE FUSES OR HACR TYPE CIRCUIT BREAKERS FOR ALL AIR CONDITIONING EQUIPMENT. FUSES AND BREAKERS FOR AIR CONDITIONING EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH MANUFACTURER'S NAMEPLATE. CONTRACTOR SHALL IDENTIFY AND CONTACT ENGINEERING UPON ANY DISCREPANCIES.
- ALL MECHANICAL EQUIPMENT SHALL BE FURNISHED WITH FUSIBLE DISCONNECTS. THE DISCONNECTS SHALL USE CLASS "R" TYPE FUSES UNLESS NOTED OTHERWISE.
- FOR ALL MULTI-WIRED BRANCH CIRCUITS, HANDLE TIES SHALL BE PROVIDED. HANDLE TIES SHALL BE REQUIRED IF INDIVIDUAL NEUTRAL CONDUCTORS ARE PROVIDED PER NEC 210.4(B).
- SHARED NEUTRALS AND TIE-HANDLES FOR BREAKERS SHALL NOT BE ALLOWED UNLESS APPROVED BY ENGINEERING.
- ALL PANEL DIRECTORIES SHALL BE PROTECTED AND INSTALLED UNDER CLEAR PLASTIC COVERS.
- ALL POWER TYPE ELECTRICAL EQUIPMENT (I.E. PANEL-BOARDS, SWITCHES, SWITCHBOARDS, ETC.) SHALL BE PROVIDED WITH ENGRAVED NAMEPLATES INDICATING EQUIPMENT DESIGNATION, EQUIPMENT SERVED, SIZE, AND VOLTAGE. NAMEPLATES SHALL BE FASTENED PERMANENTLY WITH ADHESIVE OR MECHANICAL CONNECTION.
- ALL WIRING SHALL BE INSTALLED IN LISTED METALLIC RACEWAYS UNLESS NOTED OTHERWISE.
- CONDUIT SHALL BE A MINIMUM OF 3/4" UNLESS APPROVED BY ENGINEERING.
- ALL CIRCUITS SHALL HAVE A CODE SIZED COPPER GROUNDING CONDUCTOR. THE CONDUIT SIZE SHALL BE INCREASED AS REQUIRED.
- PIPES PASSING THROUGH 1 HOUR FIRE RATED WALLS AND FLOORS SHALL BE SEALED WITH U.L. LISTED MATERIAL, 2M FIRE BARRIER, CAULK OR PUTTY OR ENGINEERING APPROVED EQUAL.
- ALL SPLICES OR CONNECTIONS SHALL BE MADE IN OUTLET BOXES, JUNCTION BOXES OR EQUIPMENT, WHERE ACCESSIBLE.

PANEL BOARDS

PANELS SHALL BE OF SIZES, RATINGS, AND REQUIREMENTS SHOWN ON THE PLANS. PANELS SHALL BE OF DEAD FRONT CONSTRUCTION. ALL BUSSING SHALL BE AS SPECIFIED ON PANEL SCHEDULES. MULTI-POLE BREAKERS SHALL HAVE A SINGLE HANDLE TO TRIP ALL UNGROUNDED CONDUCTORS SIMULTANEOUSLY.

PANEL-BOARD CIRCUIT DIRECTORY SHALL BE UPDATED WITH CURRENT WORK SHOWN IN FINAL REVISIONS OF DRAWINGS.

LIGHTING

ALL LIGHTING SHALL BE LISTED BY A RECOGNIZED TESTING LAB (I.E. UL, ETC.)

LUMINAIRES IN CONTACT WITH INSULATION SHALL BE U.L. LISTED FOR THERMAL BARRIER OR PROVIDED WITH 3-INCH MINIMUM CLEARANCE.

CONTRACTOR TO ENSURE THAT ALL LIGHTING EXPOSED TO THE PLENUM IS PLENUM RATED.

GROUNDING

PROVIDE A COMPLETE GROUNDING NETWORK FOR THE ENTIRE ELECTRICAL SYSTEM TO COMPLY WITH NEC REQUIREMENTS.

ALL CONDUITS SHALL HAVE A GROUND WIRE INSTALLED.

A CONDUIT GROUND SHALL NOT BE USED, UNLESS APPROVED BY ENGINEER.

BOND SERVICE ENTRANCE GROUND TO BUILDING STEEL, METAL WATER MAINS, METAL ELECTRODES, ETC.

DISCONNECT SWITCHES

EQUIPMENT DISCONNECT SWITCHES SHALL BE GENERAL DUTY, OR HEAVY DUTY OF THE TYPE AND RATING SHOWN ON THE PLANS. FUSES SHALL BE PROVIDED OF THE APPROPRIATE TYPE AND RATINGS FOR THE EQUIPMENT TO BE SERVED.

EQUIPMENT PROVIDED BY OTHERS

E.C. SHALL PROVIDE CONDUIT, WIRE AND DISCONNECT SWITCHES INDICATED ON DRAWINGS, TO CONNECT ELECTRICAL EQUIPMENT SUPPLIED BY OTHERS, WHICH SHALL INCLUDE BOTH NEW, AND RELOCATION OF EXISTING EQUIPMENT. ALL FINAL ELECTRICAL CONNECTIONS ARE TO BE BY ELECTRICAL CONTRACTOR.

CONDUCTORS

CONDUCTORS - ALL CONDUCTORS SHALL BE RATED 600V, COPPER, TYPE THW/THHW OR APPROVED BY ENGINEER. CONDUCTORS OF #8 AWG AND LARGER SHALL BE STRANDED.

CONDUCTORS SHALL BE PULLED WITHOUT THE USE OF OIL OR GREASE. WIRE PULLING LUBRICANTS WHICH ARE APPROVED FOR USE WITH CONDUCTOR INSULATION MAY BE USED. CARE SHALL BE TAKEN IN PULLING WIRE TO ASSURE THAT MAXIMUM ALLOWABLE PULLING TENSION OF WIRE IS NOT EXCEEDED. WIRING WITH DAMAGED CONDUCTORS OR INSULATION WILL NOT BE ACCEPTED.

CONDUIT

CONDUIT SHALL BE EMT, GRC, PVC (SCH 40 OR SCH 80), LIQUID TIGHT METAL FLEXIBLE, OR METAL FLEXIBLE OR APPROVED BY THE ENGINEER.

FLEX SHALL BE USED FOR CONNECTION TO ALL FIXED EQUIPMENT, EXCEPT IN DAMP OR WET LOCATIONS, WHERE LIQUID TIGHT METAL FLEXIBLE SHALL BE USED.

INSULATING BUSHINGS WITH DOUBLE LOCK-NUTS SHALL BE USED FOR ENTRANCES OF 1-1/4" OR LARGER INTO ENCLOSURES.

SIZES INDICATED ARE MINIMUMS; LARGER SIZES MAY BE USED TO FACILITATE WIRE PULLING, ETC.

ICC/ANSI A117.1-2009

MOUNTING HEIGHT OF ALL EXISTING AND NEW ELECTRICAL RECEPTACLES, SWITCHES AND CONTROLS SHALL COMPLY WITH ICC/ANSI A117.1-2009.

PER SECTION 308.2 FORWARD REACH

UNOBSTRUCTED - MINIMUM OF 15 INCHES AND A MAXIMUM OF 48 INCH ABOVE FINISHED FLOOR.

OBSTRUCTED - WHERE OBSTRUCTION IS 20 INCHES MAX A MAXIMUM OF 48 INCHES ABOVE FINISHED FLOOR. WHERE OBSTRUCTION EXCEEDS 20 INCHES A MAXIMUM OF 44 INCHES ABOVE FINISHED FLOOR.

PER SECTION 308.3 SIDE REACH

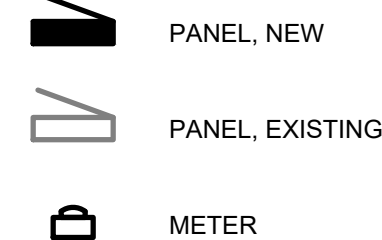
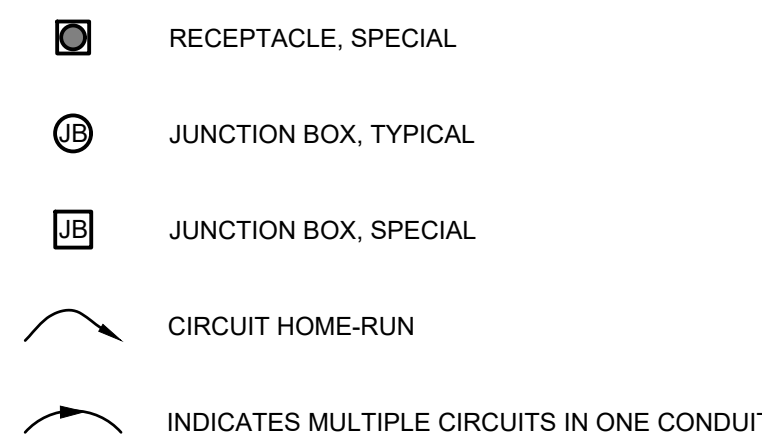
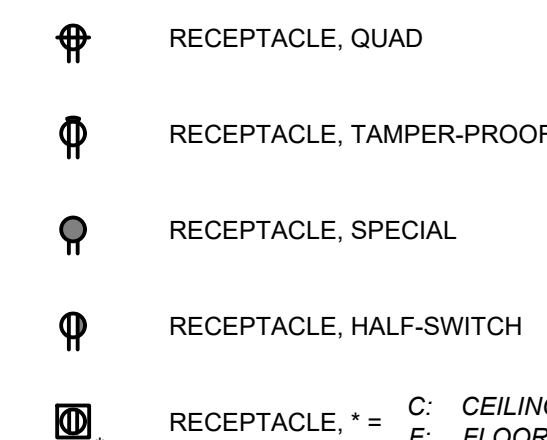
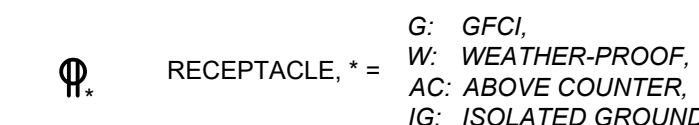
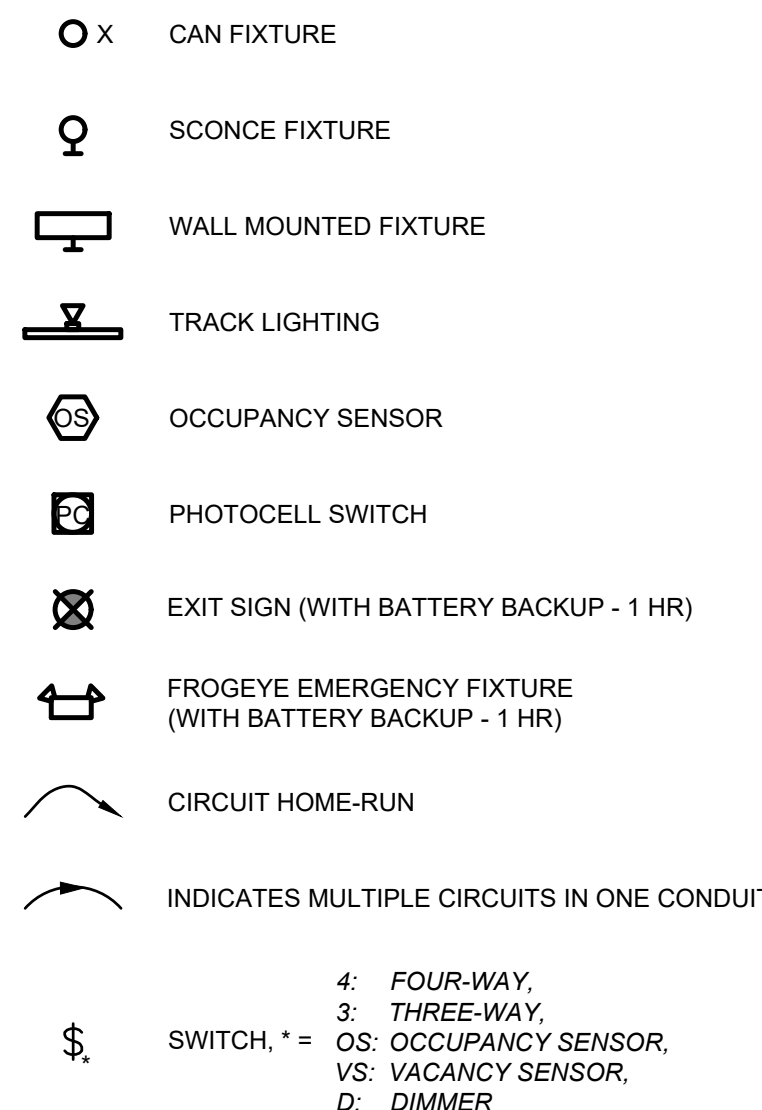
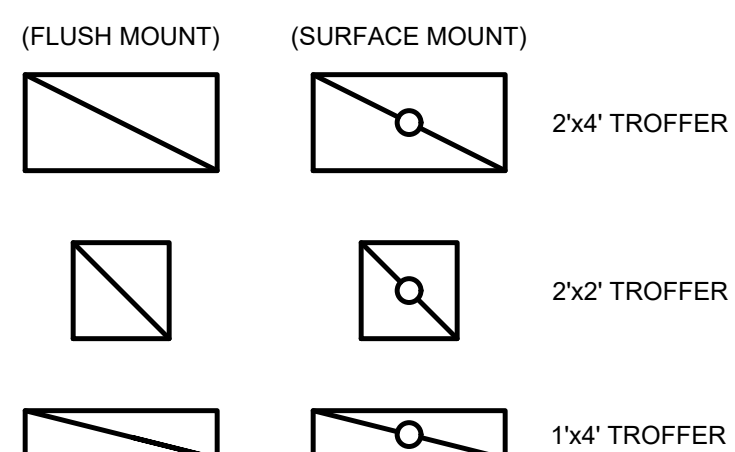
UNOBSTRUCTED - MINIMUM OF 15 INCHES AND A MAXIMUM OF 48 INCHES ABOVE FINISHED FLOOR.

CODES

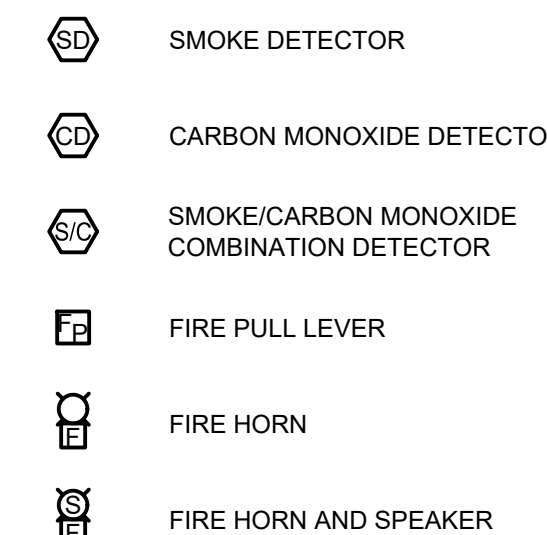
WHERE APPLICABLE, THE GUIDANCE SET FORTH IN THE 2015 IECC CODE SHALL GOVERN THE SCOPE OF WORK UNDER THIS CONTRACT. THE CODE SECTIONS RELATING TO THE ELECTRICAL SCOPE OF WORK INCLUDE, BUT ARE NOT LIMITED TO:

SECTION 303 - MATERIALS, SYSTEMS AND EQUIPMENT SECTION 303.3 - MAINTENANCE INFORMATION	SECTION 407 - TOTAL BUILDING PERFORMANCE
SECTION 402 - BUILDING ENVELOPE REQUIREMENTS SECTION 402.1 - GENERAL (PRESCRIPTIVE) SECTION 402.4 - FENESTRATION SECTION 402.5 - AIR LEAKAGE - THERMAL ENVELOPE	SECTION 408 - SYSTEM COMMISSIONING SECTION 408.1 - GENERAL SECTION 408.3 - LIGHTING SYSTEM FUNCTIONAL TESTING
SECTION 405 - ELECTRICAL POWER AND LIGHTING SYSTEMS SECTION 405.2 - LIGHTING CONTROLS SECTION 405.3 - EXIST SIGNS SECTION 405.4 - INTERIOR LIGHTING POWER REQUIREMENTS SECTION 405.5 - EXTERIOR LIGHTING SECTION 405.6 - ELECTRICAL ENERGY CONSUMPTION SECTION 405.7 - ELECTRICAL TRANSFORMERS SECTION 405.8 - ELECTRICAL MOTORS	SECTION 501 - GENERAL SECTION 502 - ADDITIONS SECTION 503 - ALTERATIONS SECTION 503.1 - GENERAL SECTION 503.6 - LIGHTING SYSTEMS
SECTION 406 - ADDITIONAL EFFICIENCY PACKAGE OPTIONS SECTION 406.1 - REQUIREMENTS SECTION 406.3 - REDUCED LIGHTING POWER DENSITY SECTION 406.4 - ENHANCED DIGITAL LIGHTING CONTROLS SECTION 406.5 - ON-SITE RENEWABLE ENERGY	SECTION 504 - REPAIRS SECTION 504.1 - GENERAL SECTION 504.2 - APPLICATION SECTION 505 - CHANGE OF OCCUPANCY OR USE

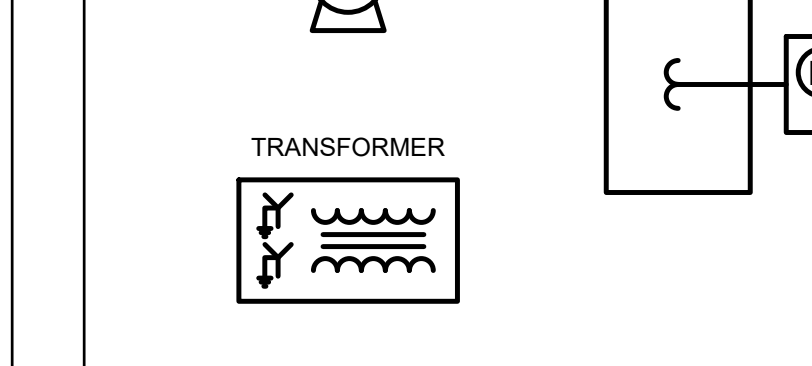
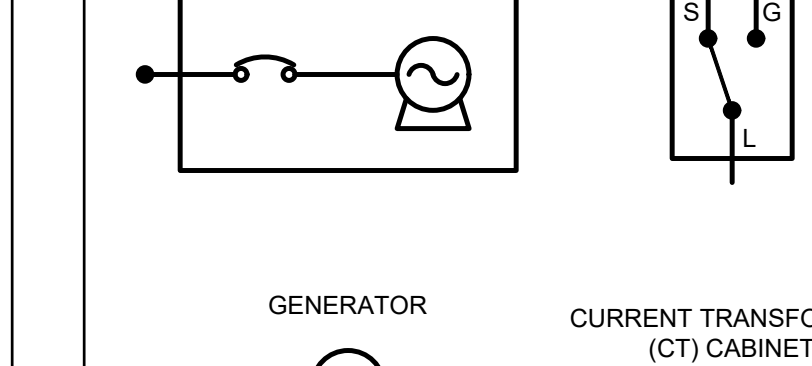
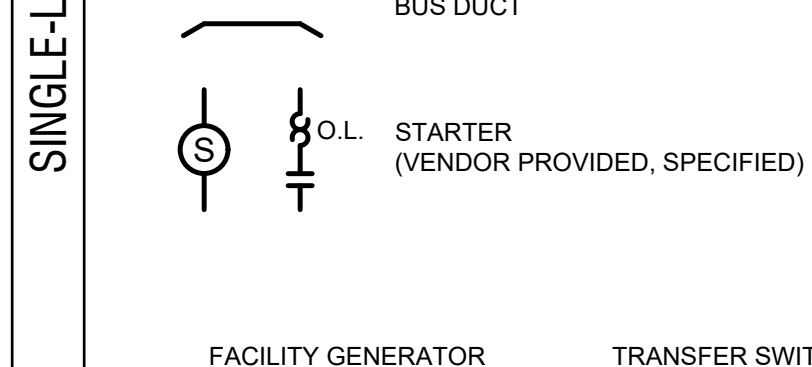
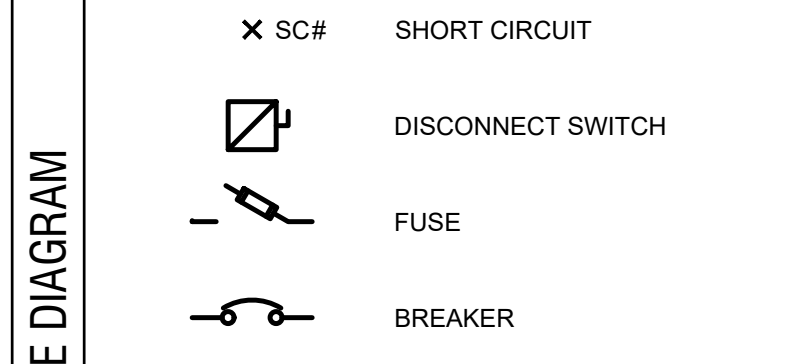
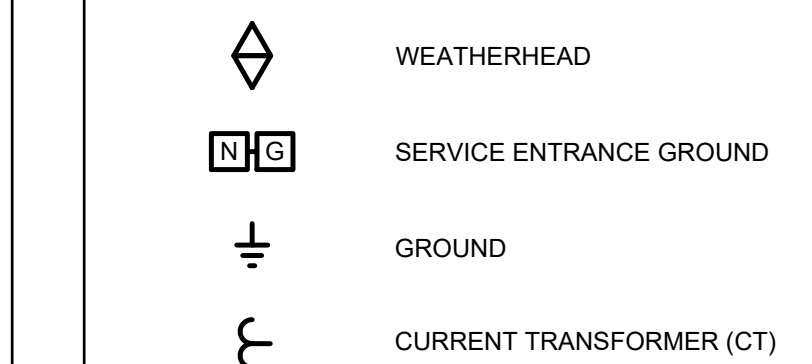
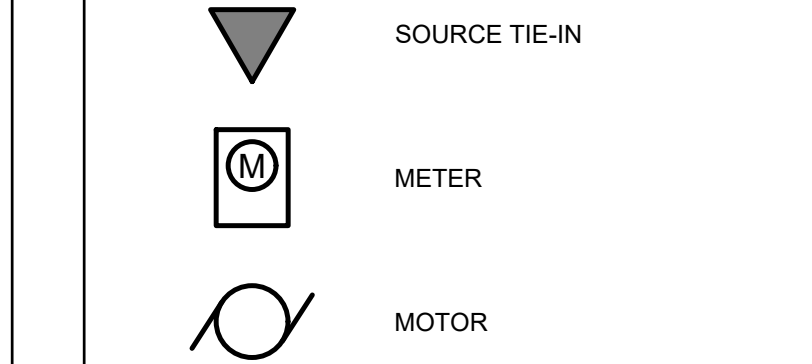
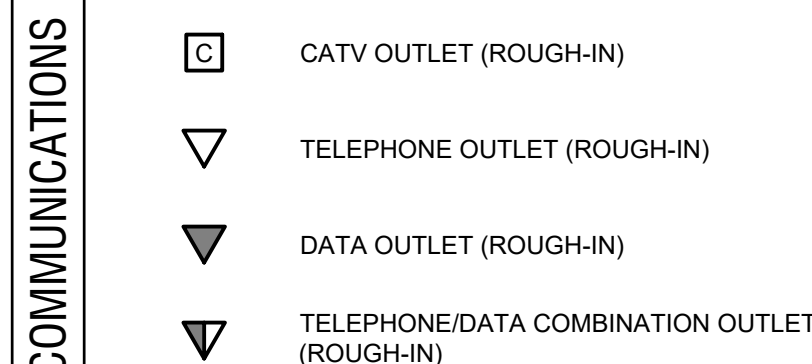
LIGHTING



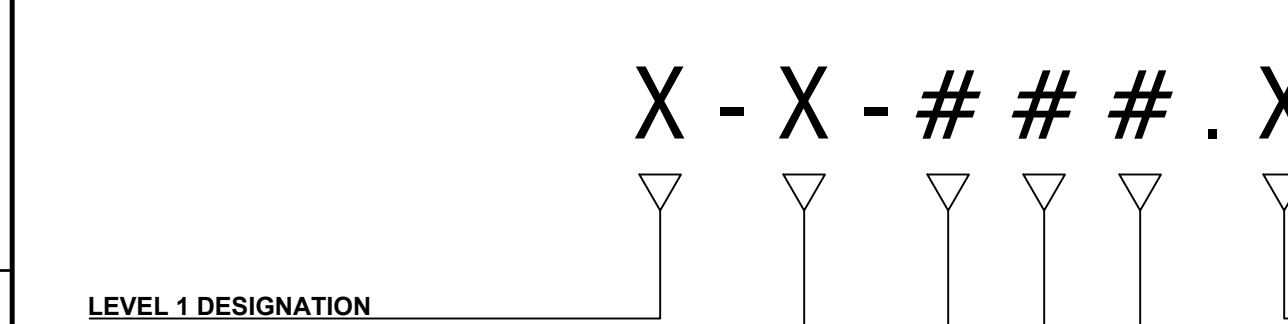
FIRE/ALARM



LEGEND AND SYMBOLS

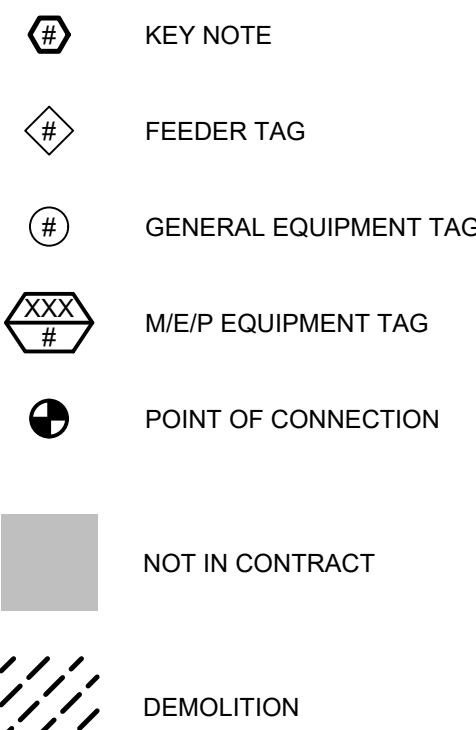


SHEET NOMENCLATURE



LEVEL 1 DESIGNATION	SUPPLEMENTAL
M MECHANICAL E ELECTRICAL P PLUMBING	1 - 9 FLOORS B BASEMENT M MEZZANINE R ROOF
MD MECH. DEMOLITION ED ELEC. DEMOLITION PD PLUM. DEMOLITION	
LEVEL 2 DESIGNATION *	SHEET TYPE DESIGNATION
* MAY NOT APPLY FOR COMBINED SHEETS	
H HVAC G GAS D PROCESS P POWER L LIGHTING W WATER S SANITARY (WASTE)	0 GENERAL 1 PLANS 2 ELEVATIONS 3 SECTIONS 4 LARGE SCALE PLANS 5 DETAILS 6 SCHEDULES & CALCULATIONS 7 DIAGRAMS 8 < NOT USED > 9 ISOMETRICS

GENERAL



ABBREVIATIONS

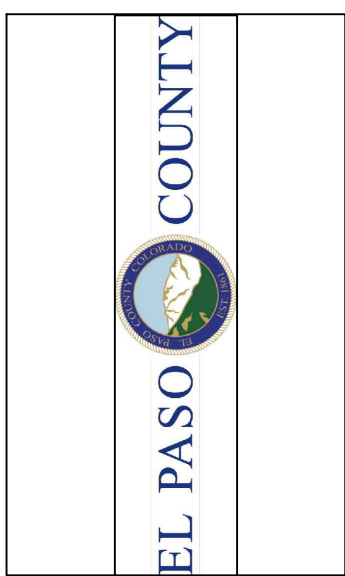
GENERAL	
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AG	ABOVE GRADE
DN	DOWN
EC	ELECTRICAL CONTRACTOR
GC	GENERAL CONTRACTOR
MC	MECHANICAL CONTRACTOR
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MFR	MANUFACTURER
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
POC	POINT OF CONNECTION
QTY	QUANTITY
TCC	TEMPERATURE CONTROL CONTRACTOR
W/	WITH
W/O	WITHOUT
WO	WALL OPENING (ABOVE CEILING)
SCOPE	
(E)	EXISTING
(N)	NEW
(R)	RELOCATED
(V)	VENDOR
ELECTRICAL	
FLA	FULL LOAD AMPS
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
MCA	MINIMUM CURRENT AMPACITY
MOCPP	MAXIMUM OVER-CURRENT PROTECTION
OS	OCCUPANCY SENSOR
TTB	TELEPHONE TERMINATION BLOCK
W	WEATHERPROOF

REVISIONS		
DATE	FOR	



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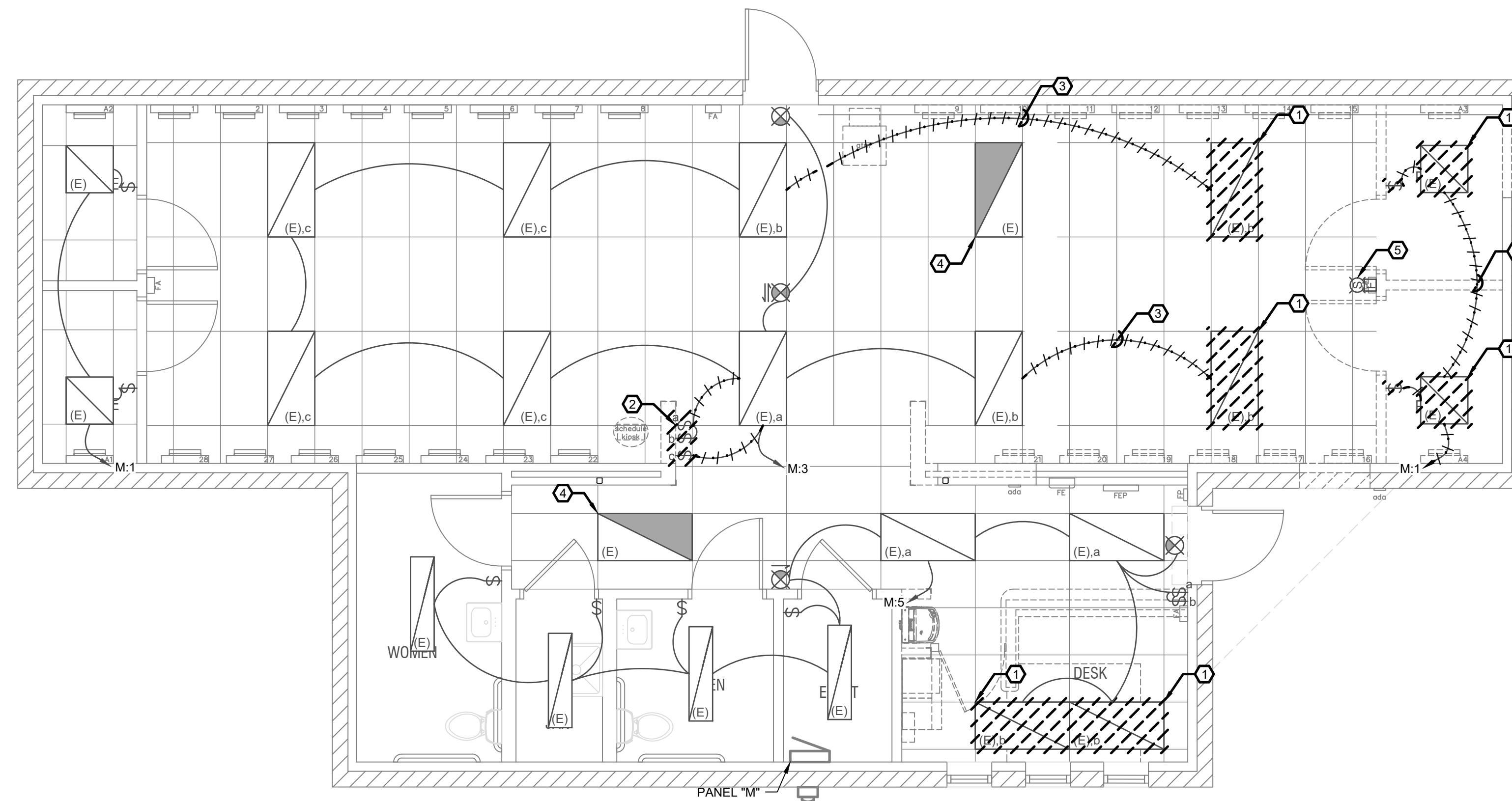
EL PASO COUNTY
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COLORADO SPRINGS, CO

LEGEND, NOTES AND SPECIFICATIONS

DATE: 01/04/22
DRAWN BY: JLV
CHECKED BY: AIS
PROJECT NO: 5136-21-09
SHEET NO:

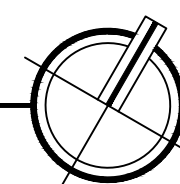
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LIGHTING DEMOLITION PLAN

SCALE: 1/4" = 1'-0"



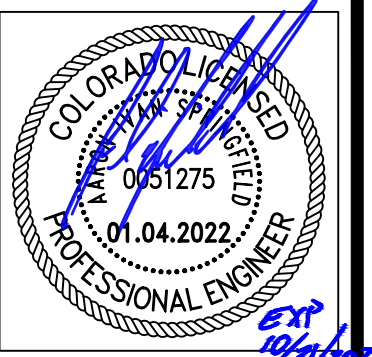
GENERAL NOTES:

EXISTING CONDITIONS HAVE BEEN COMPLETED TO THE BEST OF THE ENGINEER'S ABILITY. SHOULD EXISTING CONDITIONS DIFFER FROM LAYOUT SHOWN, CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ENGINEER TO ADDRESS ANY DISCREPANCIES.

DEMOLITION KEY NOTES:

- ① REMOVE EXISTING LIGHT FIXTURE AND CLEAN, RELAMP, TEST BALLAST(S) AND PROTECT FOR RELOCATION. SEE SHEET E-L-101 FOR NEW LOCATIONS.
- ② SWITCHES TO BE RELOCATED PER NEW WORK PLAN.
- ③ CONTRACTOR TO REMOVE ALL POWER AND SWITCH LEGS TO ALL FIXTURES BEING REMOVED OR RELOCATED.
- ④ FIXTURE IS WIRED AND TO REMAIN WIRED AS NIGHT LIGHT.
- ⑤ CONTRACTOR TO REMOVE EXISTING FIRE STROBE AND MOVE TO NEW LOCATION. SEE SHEET E-L-101 FOR NEW LOCATION.

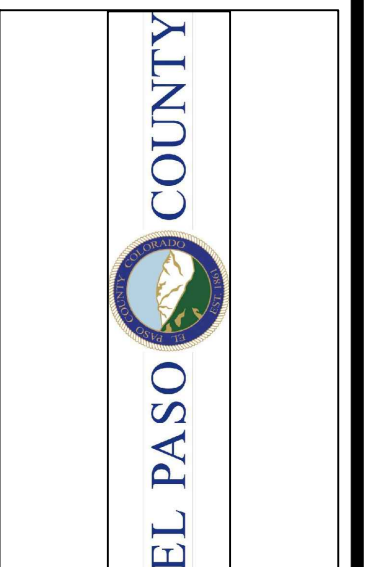
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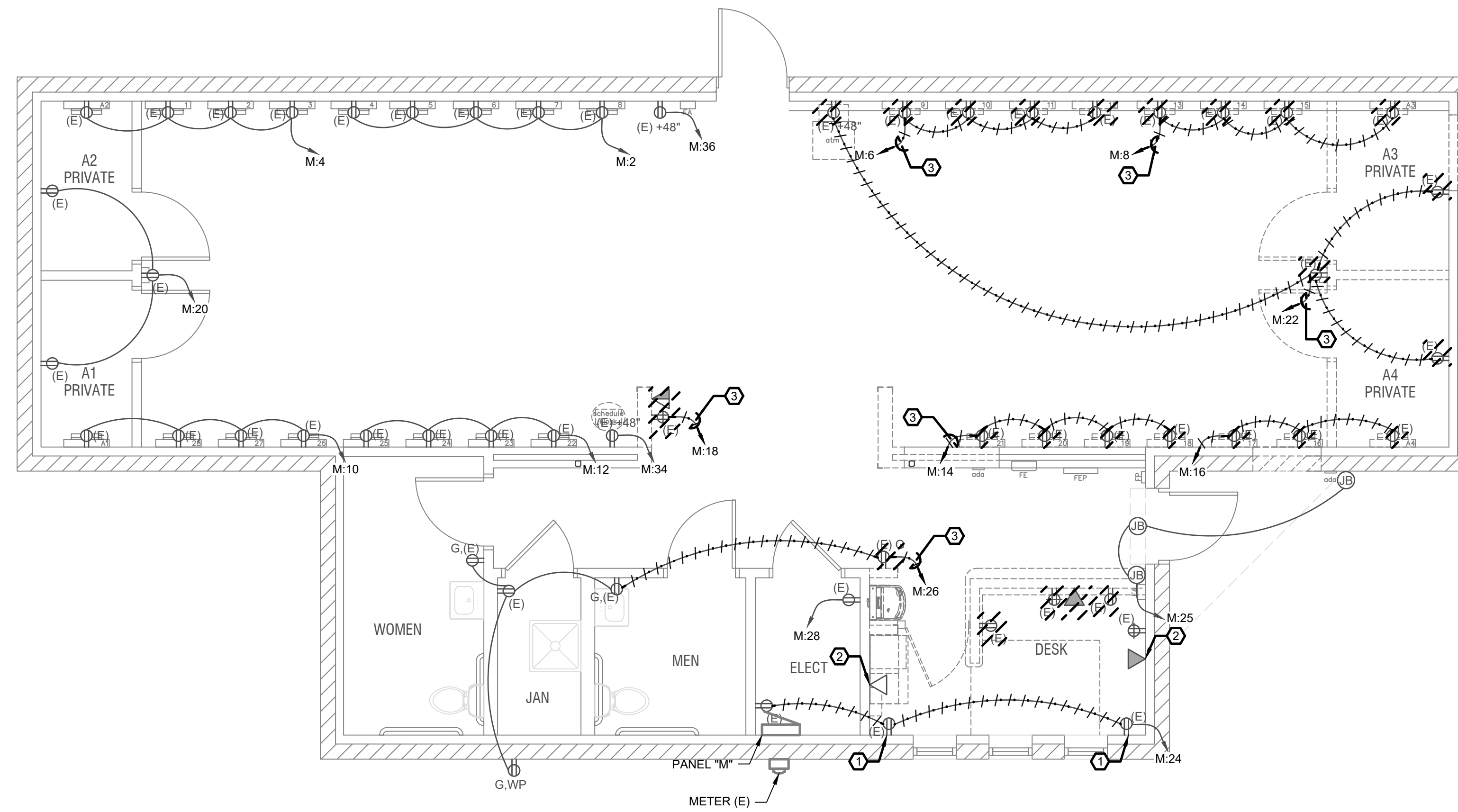
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 VIDEO VISITATION REMODEL
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 COLORADO SPRINGS, CO**

LIGHTING
 DEMOLITION PLAN

DATE: 01/04/22
 DRAWN BY: JLV
 CHECKED BY: AIS
 PROJECT NO: 5136-21-09
 SHEET NO:

ED-L-101

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

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ALL EXISTING RECEPTACLES ARE TO BE VERIFIED, TRACED AND THE FRONT OF THE EXISTING RECEPTACLE SHALL BE LABELED WITH THE SOURCE PANEL AND ITS ASSOCIATED CIRCUIT.

DEMOLITION KEY NOTES:

- ① RECEPTACLE TO REMAIN AND TIE INTO NEW POWER LAYOUT PER NEW WORK PLAN. CONTRACTOR TO VERIFY OPERATION OF ANY REMAINING DEVICE ON CIRCUIT AFTER MODIFICATION.
- ② DATA/COMMUNICATIONS TO REMAIN FOR OWNER USE.
- ③ REMOVE CIRCUIT BACK TO SOURCE OR NEAREST DEVICE TO REMAIN. IF REMOVAL TO REMAINING DEVICE, SEE NOTE 1. IF REMOVAL BACK TO PANEL, LABEL AS "SPARE" IF NOT USED IN NEW WORK PLAN.

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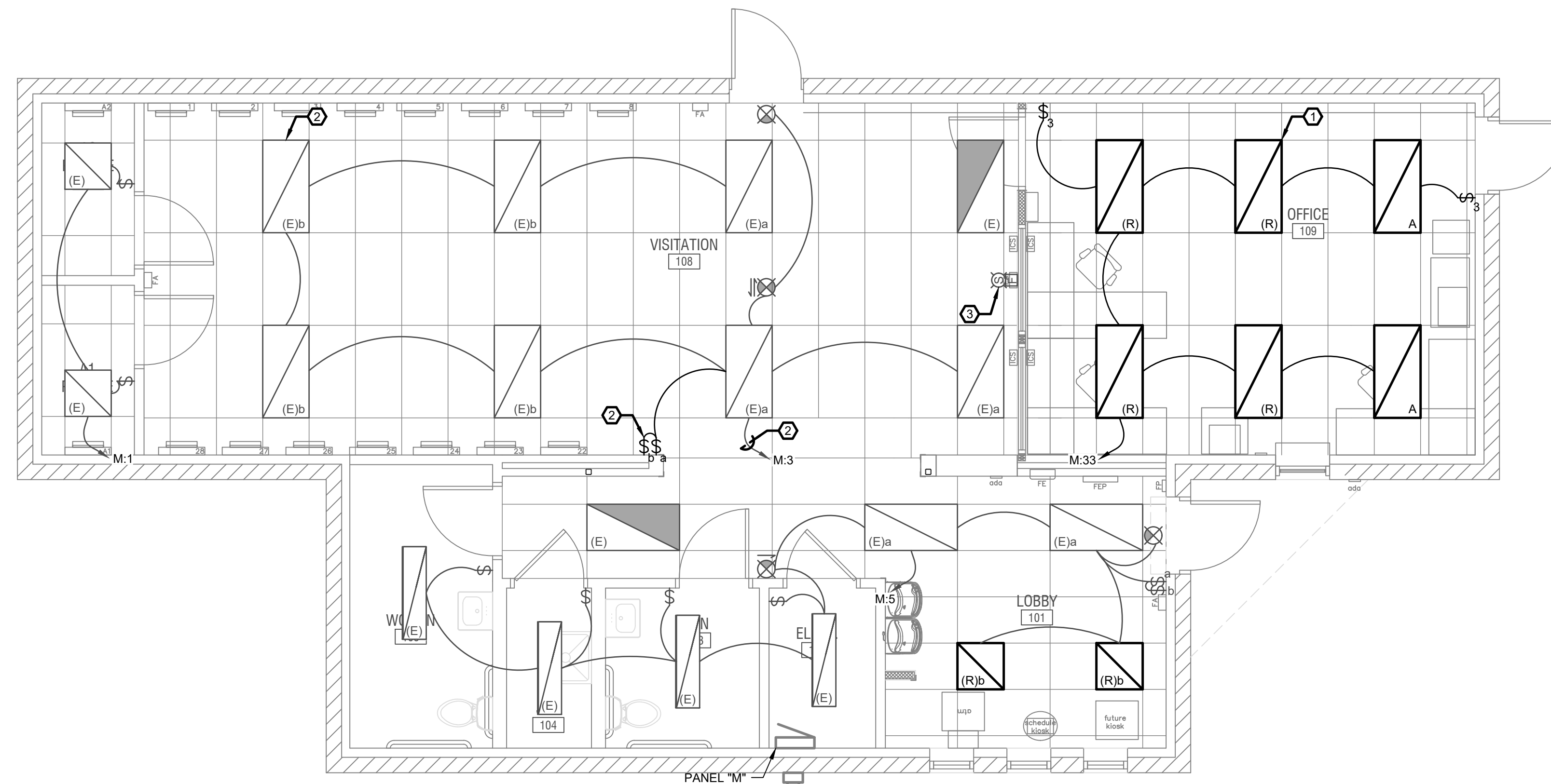
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**POWER
 DEMOLITION PLAN**

DATE: 01/04/22
DRAWN BY: JLV
CHECKED BY: AIS
PROJECT NO: 5136-21-09
SHEET NO:

ED-P-101

PLT DATE: 01/04/22 8:31 AM BR: EBNA PROJ FILE: P:\Terminal Design Group\CDC Video Visitation Remodel\Electrical\CDC Video Visitation Remodel - Electrical.dwg



LIGHTING NEW WORK PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

ALL EMERGENCY EGRESS LIGHTING (INCLUDING WALL PACKS AND EXIT SIGNS) SHALL BE CONNECTED TO THE NEAREST NON-SWITCHED LIGHTING CIRCUIT AND SHALL OPERATE ON INTERNAL BATTERY BACKUP UPON NORMAL POWER LOSS.

PROVIDE DOCUMENTATION SHOWING THE INSTALLED LIGHTING CONTROLS MEET PERFORMANCE CRITERIA OF SECTION C405 OF THE IECC AND SHALL BE PROVIDED TO THE OWNER WITHIN 90 DAYS FROM THE DATE OF RECEIVING THE CERTIFICATE OF OCCUPANCY.

SEE SHEET E-602 FOR FIXTURE SCHEDULE.

NEW WORK KEY NOTES:

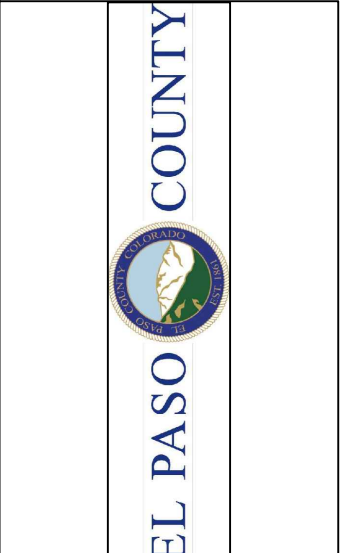
- ① AFTER TESTING, CLEANING AND RE-LAMPING, RE-INSTALL EXISTING LIGHTS. (TYPICAL OF 8)
- ② RELOCATE EXISTING SWITCH(ES) TO NEW LOCATION. PROVIDE NEW SWITCH LEG FOR NEW SWITCHING CONFIGURATION. UTILIZE AND RE-USE EXISTING POWER LEG OF FIXTURES. (TYPICAL OF 8 LIGHTS IN ROOM 108)
- ③ CONTRACTOR TO RELOCATE EXISTING FIRE STROBE. CONTRACTOR TO EXTEND EXISTING CONDUIT TO NEW LOCATION AND RECONNECT TO EXISTING BRANCH CIRCUIT TO POWER SOURCE.

REVISIONS		
DATE	FOR	



31 NORTH TEJON ST, SUITE 304
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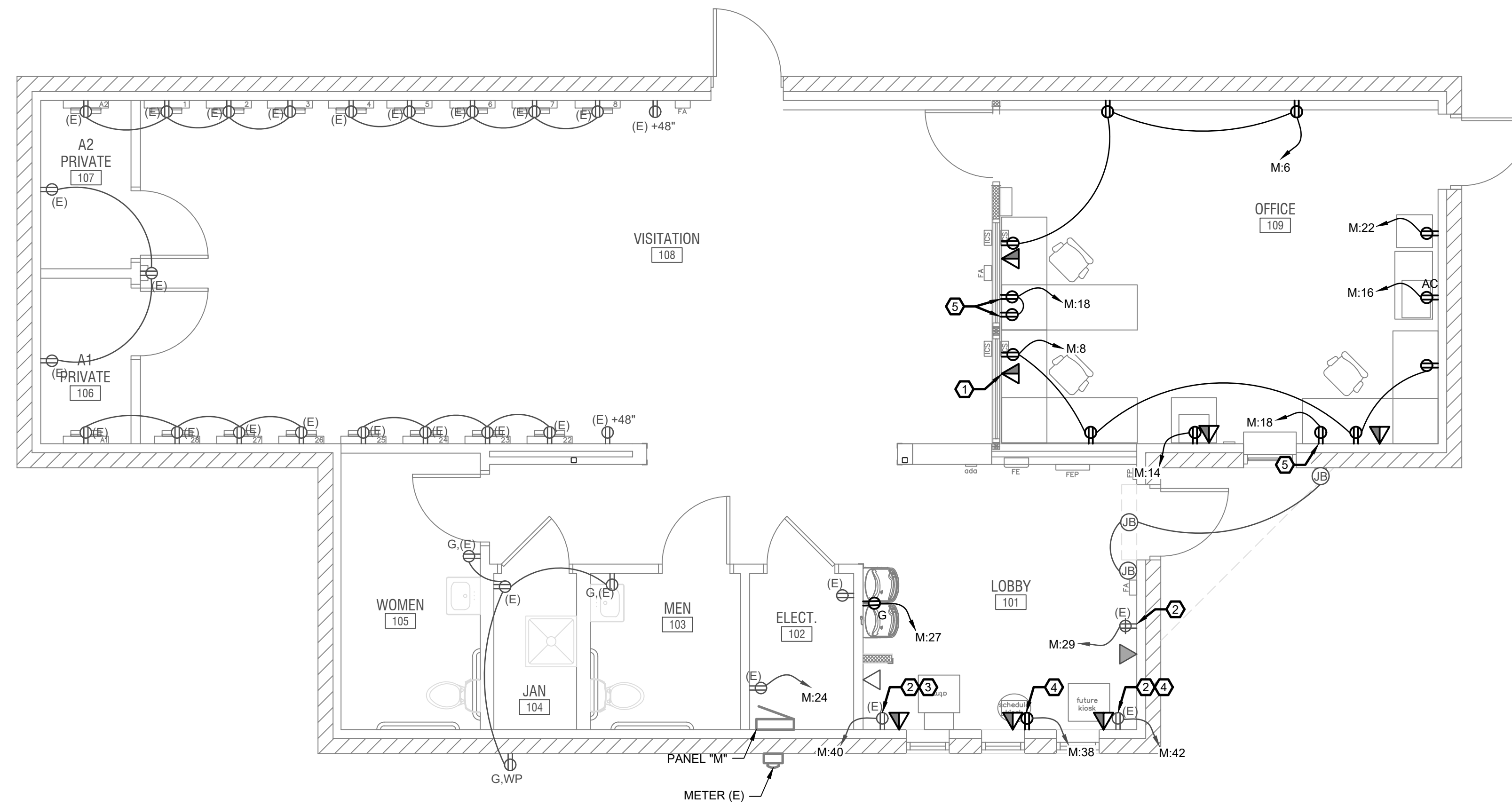
**EL PASO COUNTY
JAIL VISITOR CENTER
VIDEO VISITATION REMODEL
2727 E. LAS VEGAS STREET
COLORADO SPRINGS, CO**

LIGHTING
NEW WORK PLAN

DATE: 01/04/22
DRAWN BY: JLV
CHECKED BY: AIS
PROJECT NO: 5136-21-09
SHEET NO:

E-L-101

PLOT DATE: 01/04/22 8:31 AM
 BR: EBNK
 PRJ: P:\Terminal Design Group\CDC Video Visitation Remodel\Electrical\CDC Video Visitation Remodel - Electrical.dwg



POWER NEW WORK PLAN
 SCALE: 1/4" = 1'-0"

GENERAL NOTES:

ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS, CONNECTION TYPES, AND WIRING REQUIREMENTS OF ALL OWNER PROVIDED EQUIPMENT PRIOR TO ROUGH-IN. CONTRACTOR TO NOTIFY ENGINEER ON ANY DIFFERENCES UPON EQUIPMENT DELIVERY THAT DIFFER FROM THESE PLANS.

ALL PIPING PENETRATIONS THROUGH RATED ASSEMBLIES ARE TO BE SEALED AND PROTECTED BY FIRE RESISTANT CAULKING.

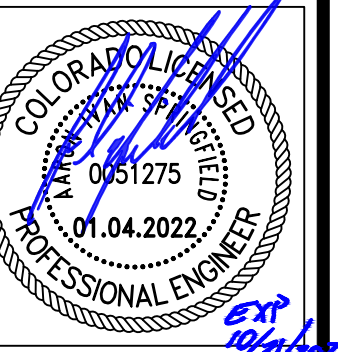
LABEL ALL NEW RECEPTACLES WITH PANEL AND CIRCUIT DESIGNATION PER EPC STANDARDS.

SURFACE MOUNTED CONDUIT TO BE ONLY USED WITH ARCHITECT/OWNER APPROVAL. IF USED, PAINT TO MATCH WALL.

NEW WORK KEY NOTES:

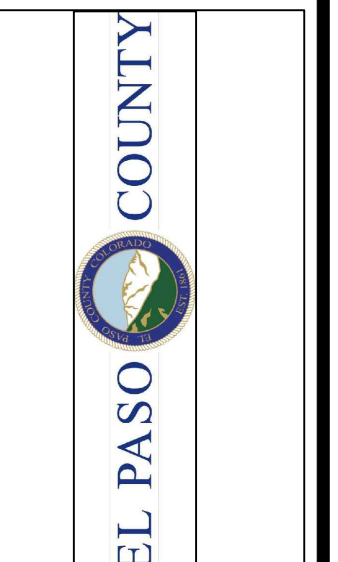
- ① CONTRACTOR TO PROVIDE 1-1/4" CONDUIT FROM COMMUNICATIONS BOX TO ABOVE CEILING. PROVIDE PULL STRING FOR LOW VOLTAGE CABLE INSTALLATION (BY OTHERS) (TYPICAL OF 7)
- ② PROVIDE NEW CIRCUIT TO EXISTING DEVICE AS INDICATED.
- ③ CONTRACTOR TO VERIFY RECEPTACLE TYPE WITH ATM EQUIPMENT (PROVIDED BY OTHERS) PRIOR TO ROUGH-IN OR FINAL INSTALLATION.
- ④ CONTRACTOR TO VERIFY RECEPTACLE TYPE WITH KIOSK EQUIPMENT (PROVIDED BY OTHERS) PRIOR TO ROUGH-IN OR FINAL INSTALLATION.
- ⑤ PROVIDE DEDICATED OUTLET FOR COMMUNICATIONS MICROPHONE/SPEAKER EQUIPMENT (PROVIDED BY OTHERS) INSTALL PER NORCON (MODEL #TTU-3X) INSTRUCTIONS.

REVISIONS		
DATE	FOR	



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EL PASO COUNTY
JAIL VISITOR CENTER
VIDEO VISITATION REMODEL
 2727 E. LAS VEGAS STREET
 COLORADO SPRINGS, CO

POWER
NEW WORK PLAN

DATE: 01/04/22
 DRAWN BY: JLV
 CHECKED BY: AIS
 PROJECT NO: 5136-21-09
 SHEET NO:

E-P-101

COMcheck Software Version 4.1.5.1
Interior Lighting Compliance Certificate

Project Information
 Energy Code: 2015 IECC
 Project Title: CJC Video Visitation Center
 Project Type: Alteration

Construction Site: 2727 E. Las Vegas St
 Colorado Springs, CO 80906
 Owner/Agent: Designer/Contractor:

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
--------------------	---------------------------------------	---	-------------------------------

1-101 (Common Space Types:Lobby - General): Exempt			
2-102 (Common Space Types:Electrical/Mechanical): Exempt			
3-103 (Common Space Types:Restrooms): Exempt			
4-104 (Common Space Types:Storage): Exempt			
5-105 (Common Space Types:Restrooms): Exempt			
6-106 (Common Space Types:Office - Enclosed): Exempt			
7-107 (Common Space Types:Office - Enclosed): Exempt			
8-108 (Common Space Types:Conference/Meeting/Multipurpose): Exempt			
9-109 (Common Space Types:Office - Enclosed)	294	1.11	326
Total Allowed Watts =			326

Activity Area	# Fixtures		Total # Watts	
	Pre-Alt.	Repl./Added	Pre-Alt.	Post-Alt.
101 (Common Space Types:Lobby - General 216 sq.ft.) Exemption: Less than 50% fixture replacement.	5	2	480,000	348,000
102 (Common Space Types:Electrical/Mechanical 32 sq.ft.) Exemption: Replacement of bulbs and ballasts only.			64,000	64,000
103 (Common Space Types:Restrooms 46 sq.ft.) Exemption: Replacement of bulbs and ballasts only.			64,000	64,000
104 (Common Space Types:Storage 25 sq.ft.) Exemption: Replacement of bulbs and ballasts only.			64,000	64,000
105 (Common Space Types:Restrooms 75 sq.ft.) Exemption: Replacement of bulbs and ballasts only.			64,000	64,000
106 (Common Space Types:Office - Enclosed 29 sq.ft.) Exemption: Replacement of bulbs and ballasts only.			62,000	62,000
107 (Common Space Types:Office - Enclosed 30 sq.ft.) Exemption: Replacement of bulbs and ballasts only.			62,000	62,000
108 (Common Space Types:Conference/Meeting/Multipurpose 573 sq.ft.) Exemption: Replacement of bulbs and ballasts only.			768,000	768,000

Proposed Interior Lighting Power

Project Title: CJC Video Visitation Center Report date: 10/21/21
 Data filename: P:\Tremmel Design Group\CJC Video Visitation Remodel\Electrical\IECC Calculations\IECC.cck Page 1 of 6

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
101 (Common Space Types:Lobby - General 216 sq.ft.): Exempt				
102 (Common Space Types:Electrical/Mechanical 32 sq.ft.): Exempt				
103 (Common Space Types:Restrooms 46 sq.ft.): Exempt				
104 (Common Space Types:Storage 25 sq.ft.): Exempt				
105 (Common Space Types:Restrooms 75 sq.ft.): Exempt				
106 (Common Space Types:Office - Enclosed 29 sq.ft.): Exempt				
107 (Common Space Types:Office - Enclosed 30 sq.ft.): Exempt				
108 (Common Space Types:Conference/Meeting/Multipurpose 573 sq.ft.): Exempt				
109 (Common Space Types:Office - Enclosed 294 sq.ft.)				
Linear Fluorescent 1: (E); Existing 2x4' Troffer; 48" T8 32W; Electronic:	3	2	96	192
LED 1: A: 2x4' LED Troffer; Other:	1	4	30	119
Total Proposed Watts =				311

Interior Lighting PASSES

Interior Lighting Compliance Statement
 Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title _____ Signature _____ Date _____

Project Title: CJC Video Visitation Center Report date: 10/21/21
 Data filename: P:\Tremmel Design Group\CJC Video Visitation Remodel\Electrical\IECC Calculations\IECC.cck Page 2 of 6

COMcheck Software Version 4.1.5.1
Inspection Checklist

Energy Code: 2015 IECC
 Requirements: 100.0% were addressed directly in the COMcheck software
 Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req. ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 | High Impact (Tier 1) 2 | Medium Impact (Tier 2) 3 | Low Impact (Tier 3)

Project Title: CJC Video Visitation Center Report date: 10/21/21
 Data filename: P:\Tremmel Design Group\CJC Video Visitation Remodel\Electrical\IECC Calculations\IECC.cck Page 3 of 6

Section # & Req. ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 [EL15] ¹	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 [EL18] ¹	Occupancy sensors installed in required spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1, C405.2.2, C405.2.3 [EL23] ²	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.2.1 [EL22] ²	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.3 [EL16] ²	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.3.1, C405.2.3.2 [EL20] ¹	Primary sidelighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.3.1, C405.2.3.3 [EL21] ¹	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.4 [EL4] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.4 [EL8] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.3 [EL6] ¹	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 | High Impact (Tier 1) 2 | Medium Impact (Tier 2) 3 | Low Impact (Tier 3)

Project Title: CJC Video Visitation Center Report date: 10/21/21
 Data filename: P:\Tremmel Design Group\CJC Video Visitation Remodel\Electrical\IECC Calculations\IECC.cck Page 4 of 6

Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [F17] ¹	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.4.1 [F18] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
C408.2.5.1 [F16] ¹	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.3 [F133] ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

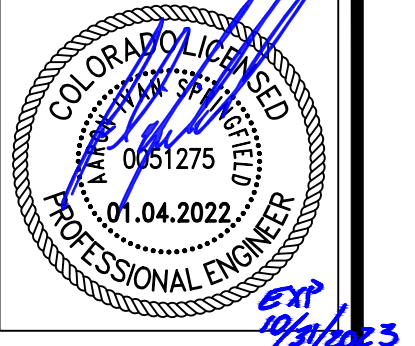
Additional Comments/Assumptions:

1 | High Impact (Tier 1) 2 | Medium Impact (Tier 2) 3 | Low Impact (Tier 3)

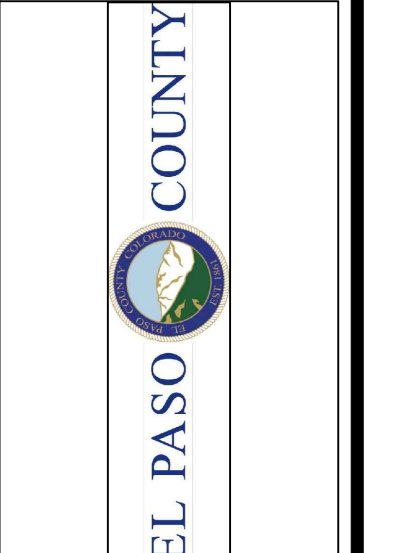
Project Title: CJC Video Visitation Center Report date: 10/21/21
 Data filename: P:\Tremmel Design Group\CJC Video Visitation Remodel\Electrical\IECC Calculations\IECC.cck Page 5 of 6

Project Title: CJC Video Visitation Center Report date: 10/21/21
 Data filename: P:\Tremmel Design Group\CJC Video Visitation Remodel\Electrical\IECC Calculations\IECC.cck Page 6 of 6

REVISIONS		
DATE	FOR	



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**EL PASO COUNTY
 JAIL VISITOR CENTER
 VIDEO VISITATION REMODEL
 2727 E. LAS VEGAS STREET
 COLORADO SPRINGS, CO**

IECC CALCULATION
 DATE: 01/04/22
 DRAWN BY: JLV
 CHECKED BY: AIS
 PROJECT NO: 5136-21-09
 SHEET NO:

E-601

LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION	MFR	MODEL NUMBER	LAMP TYPE	VOLTS	COLOR TEMP. (K)	LUMENS	LAMP QUANTITY	LAMP WATTAGE	TOTAL WATTS	MOUNTING TYPE	MOUNTING HEIGHT	NOTES
(E)	EXISTING 2'x4' PARACUBE TROFFER W/ IN/OUTBOARD BALLASTS	DAYBRIGHT	EXISTING	T8	120V	EXISTING	EXISTING	3	32W	96W	EXISTING	EXISTING	
(E)	EXISTING 2'x2' PARACUBE TROFFER	DAYBRIGHT	EXISTING	EXISTING	120V	EXISTING	EXISTING	2	31W	62W	EXISTING	EXISTING	
(E)	EXISTING 1'x4' TROFFER	DAYBRIGHT	EXISTING	T8	120V	EXISTING	EXISTING	2	32W	64W	EXISTING	EXISTING	
A	2'x4' GENERAL LED TROFFER	LITHONIA	URL4RT	LED	120V	4000K	3922	N/A	29.83W	29.83W	RECESSED	EXISTING CEILING	1
☒	LED EMERGENCY LIGHT W/ BATTERY BACKUP	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	1

NOTES:
 1. FIXTURE TO BE CONFIRMED BY CONTRACTOR. NEW FIXTURES TO MATCH EXISTING FIXTURES. FIXTURES TO MATCH MANUFACTURER, MODEL, COLOR TEMPERATURE AND LUMENS OF EXISTING FIXTURES.

PANEL SCHEDULE - "M"

NOTES	WIRE SIZE	CKT. NO.	ITEM/DESCRIPTION	POLES	BREAKER SIZE	LOAD VA/PHASE	PHASE LEG	LOAD VA/PHASE	BREAKER SIZE	POLES	ITEM/DESCRIPTION	CKT. NO.	WIRE SIZE	NOTES
		1	LTO - VIBRATION	1	20	124	A	1500	20	1	VIDEO RECEPTACLE	2		4
		3	LTO - VIBRATION	1	20	672	B	1500	20	1	VIDEO RECEPTACLE	4		4
		5	LTO - SUPPORT SPACES	1	20	645	C	540	20	1	OFFICE 109 REC	6	#12	6
		7	LTO - EXTERIOR	1	20	370	A	1200	20	1	OFFICE 109 REC	8	#12	6
		9	RTU RECEPTACLE	1	20	180	B	1500	20	1	VIDEO RECEPTACLE	10		4
		11	VM-1	1	20	6000	C	1200	20	1	VIDEO RECEPTACLE	12		4
		13				5433	A	1500	20	1	OFFICE 109 PRINTER	14	#12	6
		15	RTU-1	3	50	5433	B	1000	20	1	OFFICE 109 MICROWAVE	16	#12	6
		17				5433	C	1920	20	1	OFFICE 109 SPEAKER REC	18	#12	6
		19	SPARE	1	40	0	A	600	20	1	WEST ATTORNEY RECEPTACLE	20		4
		21	SPARE	1	40	0	B	1000	20	1	OFFICE 109 REFRIG	22	#12	6
		23	EFS 1-4	1	20	1200	C	180	20	1	ELECTRICAL ROOM REC	24		6
		25	DOOR OPERATOR	1	20	600	A	720	20	1	RESTROOM/WATER RECEPTACLES	26		4
	#12	27	DRINKING FOUNTAIN	1	20	370	B	1200	20	1	TELEPHONE EQUIPMENT	28		4
	#12	29	LOBBY REC	1	20	180	C	1000	20	1	FACP W BKR LOCKOUT	30		4
		31	ELECTRICAL ROOM RECEPTACLE	1	20	180	A	0	20	1	COUNTER GFI	32		4
	#12	33	OFFICE LIGHTING	1	20	312	B	180	20	1	CTR SOUTH WALL RECEPTACLE	34		4
		35	SPARE	1	20	0	C	180	20	1	CTR EAST WALL RECEPTACLE	36		4
		37	SPARE	1	20	0	A	1920	20	1	SCHEDULE KIOSK	38	#12	6.7
		39	SPARE	1	20	0	B	1920	20	1	ATM	40	#12	6.7
		41	SPARE	1	20	0	C	1920	20	1	FUTURE KIOSK	42	#12	6.7

NOTES			CONNECTED LOAD			LOAD SUMMARY			
1	BREAKERS TO BE AFCI TYPE		TOTAL (VA)	TOTAL (VA)	TOTAL (VA)	TYPE OF LOAD	DEMAND FACTOR	VA	DEMAND
2	BREAKERS TO BE GFCI TYPE		PHASE A	PHASE B	PHASE C	LIGHTING (L)	125%	2123	2653.75
3	BREAKER TO BE HACR TYPE		14147	15267	20398	TOTAL RECEPTACLES (R)		21490	
4	EXISTING CIRCUIT TO REMAIN		31%	33%	45%	>=10KVA RECEPTACLES	100%	10000	10000
5	RECONNECT EXISTING CIRCUIT		CONNECTED LOAD SUMMARY			>10KVA RECEPTACLES	50%	11480	5740
6	RELABEL BREAKER AND PANEL SCHEDULE AS INDICATED.		TOTAL (VA)	49812		MOTORS (M)	100%	12666	
7	CONTRACTOR TO CONFIRM BREAKER SIZE WITH EQUIPMENT PROVIDED BY OWNER.		TOTAL AMPERAGE	139		LARGEST MOTOR	125%	5433	6791.25
8			DEMAND LOAD			ELECTRIC HEAT (H)	100%	0	0
9			TOTAL (VA)	45776		KITCHEN (K)	100%	0	0
10			TOTAL AMPERAGE	128		NON-CONTINUOUS (D)	100%	7920	7920

LOAD SUMMARY	
SEE PANEL A FOR LOAD SUMMARY	
PANEL "M" IS RATED FOR 200A AND EXISTING FEEDERS ARE RATED FOR 200A.	

REVISIONS		
DATE	FOR	



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EL PASO COUNTY

EL PASO COUNTY JAIL VISITOR CENTER
 VIDEO VISITATION REMODEL
 2727 E. LAS VEGAS STREET
 COLORADO SPRINGS, CO

PANEL SCHEDULES AND CALCULATIONS

DATE: 01/04/22
 DRAWN BY: JLV
 CHECKED BY: AIS
 PROJECT NO: 5136-21-09
 SHEET NO:

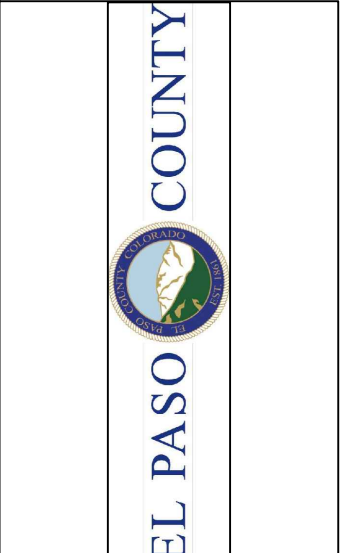
E-602

PLOT DATE: 01/04/22 8:31 AM
 BR: EBNA
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REVISIONS		
NO.	DATE	FOR

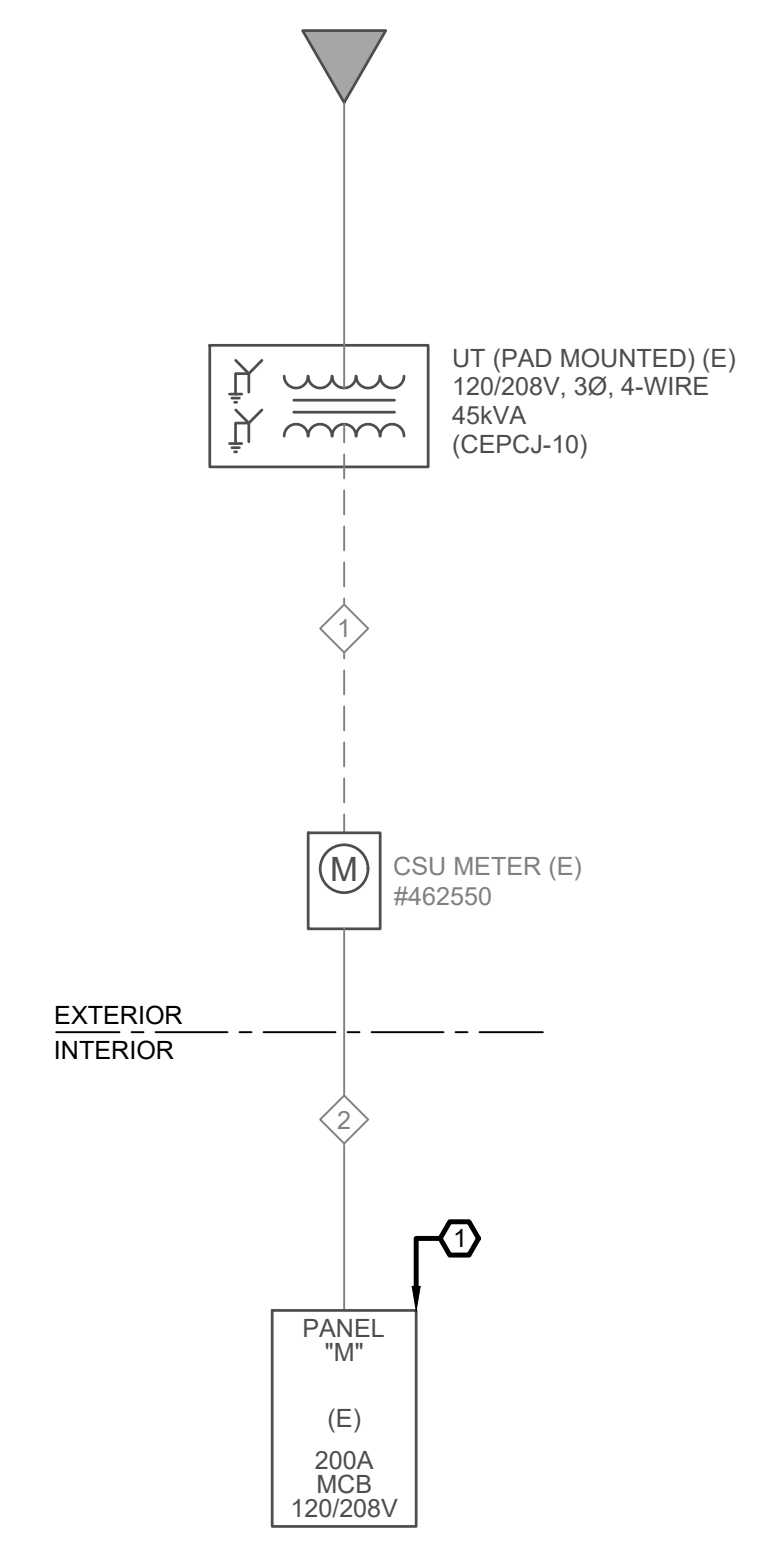


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EL PASO COUNTY
 JAIL VISITOR CENTER
 VIDEO VISITATION REMODEL
 2727 E. LAS VEGAS STREET
 COLORADO SPRINGS, CO

EXISTING SINGLE-LINE DIAGRAM
DATE: 01/04/22
DRAWN BY: JLV
CHECKED BY: AIS
PROJECT NO: 5136-21-09
SHEET NO:
ED-701



EXISTING SINGLE-LINE DIAGRAM

FEEDER SCHEDULE

ID	SETS OF CONDUCTORS	CONDUCTOR SIZE	TYPE	GROUND	TYPE	CONDUIT	SIZE	AMPS	LENGTH	NOTES
1	1	4 - #3/0 AWG	CU	N/A	N/A	PVC	2"	200A	50'	1
2	1	4 - #3/0 AWG	CU	N/A	N/A	EMT	2"	200a	10'	1
NOTES:										
1	EXISTING CONDUIT AND FEEDERS HAVE BEEN COMPLETED TO THE BEST OF THE ENGINEER'S ABILITY. SHOULD EXISTING CONDITIONS DIFFER FROM DIAGRAM SHOWN, CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ENGINEER TO ADDRESS ANY DISCREPANCIES.									
2										
3										

GENERAL NOTES:

EXISTING CONDUIT AND FEEDERS HAVE BEEN COMPLETED TO THE BEST OF THE ENGINEER'S ABILITY. SHOULD EXISTING CONDITIONS DIFFER FROM DIAGRAM SHOWN, CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ENGINEER TO ADDRESS ANY DISCREPANCIES.
 CONTRACTOR TO ENSURE ALL EXISTING GROUNDING IS CONTINUOUS AND INSTALLED PER NEC 250.
 SEE SHEET E-602 FOR LOAD SUMMARY.

DEMOLITION KEY NOTES:

SEE SHEET E-602 FOR MODIFICATIONS AND ADDITIONS TO EXISTING PANEL.