

ELECTRICAL LEGEND - LIGHTING

	DOUBLE FACE EXIT SIGN, CEILING MOUNTED, PROVIDE UNSWITCHED CONDUCTOR.
	WALL MOUNTED DOUBLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.
	SINGLE FACE EXIT SIGN, CEILING MOUNTED PROVIDE UNSWITCHED CONDUCTOR.
	WALL MOUNTED SINGLE FACE EXIT SIGN PROVIDE UNSWITCHED CONDUCTOR. MOUNT AT +8'-0" UNO.
	ARROW INDICATES DIRECTION TO BE SHOWN ON SIGN.
	1'X1' LIGHT FIXTURE.
	1'X1' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
	TRACK LIGHT
	1'X4' LIGHT FIXTURE.
	1'X4' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
	2'X4' LIGHT FIXTURE.
	2'X4' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
	2'X2' LIGHT FIXTURE.
	2'X2' LIGHT FIXTURE, PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
	DIRECT/INDIRECT LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH.
	STRIP LIGHT FIXTURE. SEE SCHEDULE FOR LENGTH.
	WALL MOUNTED LIGHT FIXTURE.
	RECESSED LIGHT FIXTURE
	ROUND LIGHT FIXTURE
	ROUND EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
	WALL MOUNTED EMERGENCY LIGHT FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.
	POLE LIGHT 1 HEAD WITH POLE
	TIME CLOCK
	PHOTO CONTROL CELL LOCATED 12" ABOVE ROOF FACING NORTH.
	OCCUPANCY SENSOR. PROVIDE RELAYS AND POWER PACKS AS REQUIRED.
	LED DRIVER
	EMERGENCY EGRESS LIGHTING WITH OUT FIXTURE HEADS. CONNECT TO AN UNSWITCHED CONDUCTOR.
	WALL MOUNTED SINGLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR.
	CEILING MOUNTED, SINGLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR.
	CEILING MOUNTED, DOUBLE FACE EXIT SIGN WITH EMERGENCY EGRESS LIGHTING. PROVIDE UNSWITCHED CONDUCTOR.
	INDICATES FIXTURE TYPE. REFER TO FIXTURE SCHEDULE.
	EXTERIOR WALL PACK
	EMERGENCY EXTERIOR WALL PACK. PROVIDE EMERGENCY BATTERY BACKUP CONNECTED TO AN UNSWITCHED CONDUCTOR.

DEVICES

	SWITCH, TYPE AS INDICATED
	DOUBLE POLE
	3-WAY
	4-WAY
	KEYED
	PILOT LIGHT
	DIMMER
	HORSEPOWER RATED
	THERMAL OVERLOAD
	LOW VOLTAGE
	OCCUPANCY SENSOR
	LOW VOLTAGE, MOMENTARY OVERRIDE
	VACANCY SENSOR
	SUPERSCRIPT INDICATES LIGHTS TO BE SWITCHED TOGETHER
	DUAL LEVEL SWITCHING, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY.
	DUAL LEVEL SWITCHING WITH OCCUPANCY SENSOR, INSIDE AND OUTSIDE LAMPS OF FIXTURE TO BE SWITCHED SEPARATELY.
	OCCUPANCY SENSOR WITH MANUAL DIMMING. SET FOR 50% AUTOMATIC ON, AUTOMATIC OFF, WITH MANUAL DIMMING.
	SINGLE CONVENIENCE OUTLET
	FLOOR MOUNT SINGLE CONVENIENCE OUTLET
	DUPLEX CONVENIENCE OUTLET
	FLOOR MOUNT DUPLEX CONVENIENCE OUTLET
	EMERGENCY DUPLEX CONVENIENCE OUTLET
	SWITCHED DUPLEX CONVENIENCE OUTLET
	FLOOR MOUNTED SWITCHED DUPLEX CONVENIENCE OUTLET
	USB DUPLEX CONVENIENCE OUTLET
	USB FOURPLEX CONVENIENCE OUTLET
	FOURPLEX CONVENIENCE OUTLET
	FLOOR MOUNT FOURPLEX CONVENIENCE OUTLET
	CONNECTION POINT TO EQUIPMENT SPECIFIED. ELECTRICAL CONTRACTOR TO SUPPLY RACEWAY AND CONDUCTORS AND MAKE FINAL CONNECTION TO EQUIPMENT UNDER THIS SECTION UNO
	FLOOR MOUNTED CONNECTION POINT. SEE NOTE ABOVE FOR REQUIREMENTS
	FLOOR MOUNTED JUNCTION BOX
	JUNCTION BOX
	WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO
	WALL MOUNTED PUSH BUTTON, HANDICAPPED MOUNT AT SWITCH HEIGHT UNO
	WALL MOUNTED PUSH BUTTON, MOUNT AT SWITCH HEIGHT UNO
	MOTOR STARTER/CONNECTOR, SIZE/POLES NEMA 1 UNO AS INDICATED
	COMBINATION STARTER AND DISCONNECT, SIZE/POLES, STARTER SIZE AS INDICATED, NEMA 1 UNO
	FUSED DISCONNECT SWITCH, SIZE/POLES, FUSE SIZES AS INDICATED, NEMA 1 UNO
	NON-FUSED DISCONNECT SIZE/ POLES AS INDICATED, NEMA 1 UNO
	THERMOSTAT, PROVIDE CONDUIT, J-BOX, CONDUCTORS AS REQUIRED TO CONTROL ASSOCIATED UNITS. UNO COORDINATE WITH DIVISION 15.
	HUMIDISTAT, PROVIDE CONDUIT, J-BOX, CONDUCTORS AS REQUIRED TO CONTROL ASSOCIATED UNITS.
	POWER POLE - DUAL CHANNEL
	RECESSED ENTERTAINMENT BOX
	TRANSFORMER
	PANELBOARD. SEE SCHEDULE FOR TYPE.
	EQUIPMENT CABINET, SURFACE MOUNTED
	EQUIPMENT CABINET FLUSH MOUNTED
	SURFACE MULTI-OUTLET RACEWAY
	MECHANICAL EQUIPMENT CALL OUT
	KITCHEN EQUIPMENT CALLOUT

ONE LINE

	DELTA WYE TRANSFORMER UNO
	PANEL BOARD, SEE SCHEDULE FOR TYPE AND SIZE
	CIRCUIT BREAKER, SIZE AND POLES INDICATED
	FUSE, SIZE AND TYPE INDICATED, PROVIDE FUSE FOR EACH POLE
	INTERRUPTER SWITCH, SIZE AND POLES INDICATED
	FUSED SWITCH, SIZE/POLES AND FUSE SIZE INDICATED
	DRAW OUT CIRCUIT BREAKER, SIZE AND POLES INDICATED
	INDIVIDUAL BREAKER WITH SHUNT TRIP, SIZE AND POLES INDICATED, NEMA 1 UNO
	INDIVIDUAL BREAKER, SIZE AND POLES INDICATED, NEMA 1 UNO
	GROUND FAULT PROTECTION
	SURGE SUPPRESSION DEVICE
	ADJUSTABLE BREAKER SETTINGS (PER SPECIFICATIONS): L-LONG TIME S-SHORT TIME T-INSTANTANEOUS G-GROUND FAULT R-ENERGY REDUCING MAINTENANCE SWITCH W/STATUS INDICATOR
	GROUND
	SHUNT TRIP COIL
	MOTOR
	DISCONNECT SWITCH, SIZE AND POLES INDICATED, NEMA 1 UNO
	OVERHEAD SERVICE DROP
	GENERATOR SET, MAIN BREAKER SIZE INDICATED
	AUTOMATIC TRANSFER SWITCH (ATS)
	METER AND BASE
	NEUTRAL
	DRY TYPE TRANSFORMER
	PAD MOUNT TRANSFORMER

ELECTRICAL ABBREVIATIONS

A	AMPERES
AC	6" ABOVE BACKSPLASH ABOVE FINISHED FLOOR
AF	ABOVE FINISHED GRADE
AWG	ABOVE FINISHED GRADE
AF	AMP FRAME
AIC	AMPS INTERRUPTING CAPACITY
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BD	BOTTOM OF DECK
BS	BOTTOM OF STRUCTURE
C	CEILING MOUNTED CONDUIT
CB	CIRCUIT BREAKER
CF	COMPACT FLUORESCENT
CKT	CIRCUIT
CO	CONDUIT ONLY, PROVIDE PULL-LINE
CT	CURRENT TRANSFORMER CONTROL
DC	DIRECT CURRENT
DEM	DEMOLITION
DET	DETAIL
DTT	DOUBLE TWIN TUBE
E	EXISTING
(E)	EXISTING
EC	ELECTRICAL CONTRACTOR
EL	EMERGENCY LIGHT
F	ELECTRIC VEHICLE
F	FUSE
(F)	FUTURE
FACP	FIRE ALARM CONTROL PANEL
GNND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
HH	HAND HOLE
HID	HIGH INTENSITY DISCHARGE
HDA	HAND-OFF-AUTO
HPS	HIGH PRESSURE SODIUM
HVAC	HEATING, VENTILATION, & AIR CONDITIONING
IG	ISOLATED GROUND
IPCO	IDAHO POWER COMPANY
J-BOX	JUNCTION BOX
KA	KILOAMP
KVA	KILO VOLT-AMP
KW	KILOWATT
KWH	KILOWATT HOUR
LCP	LIGHTING CONTROL PANEL
MB	MAIN BREAKER
MBC	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MMC	MODULAR METERING CENTER
MH	METAL HALIDE
MSB	MAIN SWITCH BOARD MOUNTING
MTG	MOUNTING
N	NEUTRAL
(N)	NEW
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OH	OVERHEAD
OS	OCCUPANCY SENSOR
P	POLES
PC	PHOTO-CONTROL
PVC	POLYVINYL CHLORIDE
PWR	POWER
RE	REFERENCE
REC	RECEPTACLE
(R)	RELOCATED
SF	SQUARE FEET
TBD	TO BE DETERMINED
TDR	TIME DELAY RELAY
TK	TOE KICK
TR	TAMPER RESISTANT
TSP	TWISTED SHIELDED PAIR
TRT	TRIPLE TUBE
TTB	TELEPHONE TERMINAL BOARD
(TYP.)	TYPICAL
UC	UNDERCABINET
UG	UNDERGROUND
U.N.O.	UNLESS NOTED OTHERWISE
V	VOLT
VA	VOLT-AMPERE
W	WATT
WG	WIRE GUARD
WP	WEATHER PROOF/NEMA 3R

PROVIDED/ PROVIDE BY INSTALLED/ INSTALL	PROVIDE AND INSTALL / PROVIDED AND INSTALLED BY / PROVIDE AND INSTALL
NOTE:	THIS IS A STANDARD LIST OF COMMONLY USED ELECTRICAL ABBREVIATIONS. SOME OF THE ABBREVIATIONS SHOWN ABOVE MAY NOT BE USED IN THIS DRAWING PACKAGE.

COMMUNICATIONS

	JUNCTION BOX FOR FUTURE TELEPHONE/DATA OUTLET. PROVIDE SINGLE-GANG MUD RING WITH BLANK COVER PLATE. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE.
	TELEPHONE/DATA OUTLET. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING. INSTALL QUANTITY OF DATA (#D) AND TELEPHONE (#T) CABLES INDICATED TO THE NEAREST DATA RACK. PROVIDE (2) DATA CABLES IF A CABLE QUANTITY IS NOT INDICATED.
	FLOOR MOUNTED BOX FOR FUTURE TELEPHONE/DATA OUTLET. JUNCTION BOX WITH SINGLE-GANG MUD RING. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING SPACE. PROVIDE BLANK COVER PLATE.
	FLOOR MOUNTED TELEPHONE/DATA OUTLET. PROVIDE 1" CONDUIT TO NEAREST ACCESSIBLE CEILING. INSTALL QUANTITY OF DATA (#D) AND TELEPHONE (#T) CABLES INDICATED TO THE NEAREST DATA RACK. PROVIDE (2) DATA CABLES IF A CABLE QUANTITY IS NOT INDICATED.
	INTERCOM SYSTEM CALL BUTTON.
	CEILING MOUNTED SPEAKER WITH BACKBOX
	WALL MOUNTED SPEAKER, WITH BACKBOX +8" UNO
	VOLUME CONTROL, +46" UNO
	TELEVISION OUTLET, +18" AFF UNO.
	CEILING MOUNTED TELEVISION OUTLET
	TELEPHONE TERMINAL BOARD
	CABLE TRAY, 4" DEEP, WIRE BASKET STYLE. 'XX' INDICATES WIDTH PROVIDE ALL FITTINGS AND SUPPORT HARDWARE REQUIRED

ELECTRICAL GENERAL NOTES

- THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE; THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE ELECTRICAL CONTRACTOR.
- ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED UNLESS LOCATED WITHIN DEDICATED ELECTRICAL OR MECHANICAL ROOMS. USE OF SURFACE MOUNTED RACEWAYS IN ALL OTHER SPACES MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE SURFACE RACEWAYS ARE APPROVED, UTILIZE WIREMOLD, OR APPROVED EQUAL, SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
- REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON AT THE DEVICES.
- PROVIDE PULL-LINE IN ALL EMPTY CONDUITS.
- TERMINATE ALL LOW-VOLTAGE CONDUITS WITH INSULATED THROAT BUSHING.
- MECHANICAL EQUIPMENT INDICATED IS SHOWN IN AN APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

WYOMING BUILDING CODES

IN THE STATE OF WYOMING ON SEPTEMBER 22, 2021 ADOPTED THE 2021 INTERNATIONAL CODES.

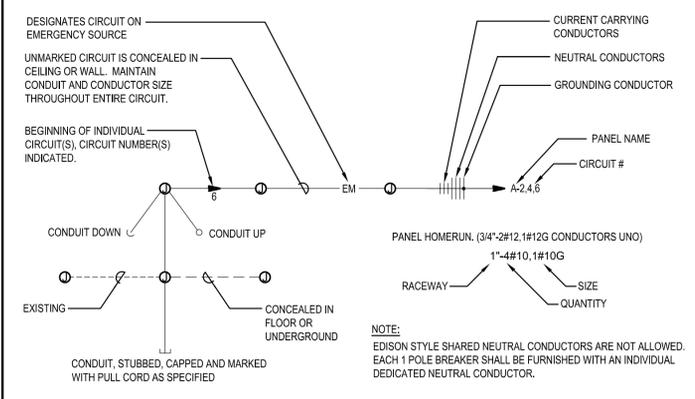
THE FOLLOWING CODES APPLY:

- 2021 INTERNATIONAL FIRE CODE
- 2021 INTERNATIONAL BUILDING CODE
- 2021 INTERNATIONAL FUEL & GAS CODE
- 2021 INTERNATIONAL MECHANICAL CODE
- 2021 INTERNATIONAL EXISTING BUILDING CODE
- 2023 EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70, 2023)

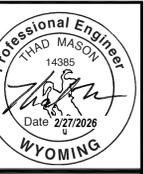
ELECTRICAL SPECIFICATIONS

- 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.
- OBTAIN ALL PERMITS, COORDINATE, FURNISH, INSTALL, CONNECT AND TEST ALL ELECTRICAL EQUIPMENT REQUIRED FOR ALL THE SYSTEMS INSTALLED UNDER THIS CONTRACT TO INSURE COMPLETE AND FULLY OPERATIONAL SYSTEMS.
- CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF AS-BUILT DRAWINGS. AS-BUILT SET OF DRAWINGS SHALL BE UPDATED DAILY AND SHALL DOCUMENT THE ACTUAL INSTALLED CONDITION OF THE ENTIRE ELECTRICAL INSTALLATION. AS-BUILT SET OF DRAWINGS SHALL BE AVAILABLE AT ALL TIMES ON THE SITE FOR INSPECTION BY CODE OFFICIALS, OWNER, ARCHITECT, AND ENGINEER.
- PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION.
- DESIGN IS BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO DETERMINE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO THE SCOPE OF WORK AS SHOWN ON THESE PLANS.
- COORDINATE ALL ELECTRICAL WORK WITH ALL OTHER TRADES.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL ELECTRICAL EQUIPMENT AND DEVICES WITH THE ARCHITECTURAL ELEVATIONS AND DETAILS PRIOR TO ROUGH-IN.
- DEMOLITION WORK IS A PART OF THIS PROJECT. SEE DRAWINGS FOR EXISTING ELECTRICAL DEVICES TO BE REMOVED. REMOVE ASSOCIATED BOXES, RACEWAYS AND CONDUCTORS BACK TO SOURCE, AND MAKE SAFE.
- ALL MATERIALS AND EQUIPMENT FURNISHED TO THE PROJECT SHALL BE NEW AND SHALL BEAR THE LISTING LABEL OF A NATIONALLY RECOGNIZED TESTING LAB AS DEFINED BY OSHA.
- ALL ELECTRICAL DEVICES AND TERMINALS SHALL BE RATED 75°C MINIMUM.
- ALL CONDUCTORS SHALL BE STRANDED COPPER, 600 VOLT RATED. INSULATION TYPE SHALL BE THHN/THWN, FULLY COLOR CODED WITH GAUGE, TYPE AND MANUFACTURER MARKED EVERY 24" ALONG. CONDUCTOR COLOR CODE SHALL BE AS FOLLOWS:
240/120 VOLT SYSTEM
PHASE A - BLACK
PHASE B - RED
NEUTRAL - WHITE
GROUND - GREEN
- MINIMUM SIZE WIRE FOR POWER AND LIGHTING CIRCUITS SHALL BE #12 AWG. ALL POWER AND LIGHTING CONDUCTORS SHALL BE ROUTED IN 3/4" CONDUIT MINIMUM.
- EMT OR MC TYPE CABLE IS ALLOWED WHEN CONCEALED IN INTERIOR SPACES. MC TYPE CABLE IS NOT ALLOWED FOR HOMERUNS.
- MAKE ALL CONNECTIONS TO EQUIPMENT PER MANUFACTURER'S REQUIREMENTS.
- ALL EQUIPMENT, SWITCHING DEVICES AND PANELS SHALL BE MOUNTED SO AS TO BE ACCESSIBLE AND SHALL BE MOUNTED PLUMB AND SQUARE WITH WALLS.
- DEVICES AND RACEWAYS PENETRATING FIRE RATED WALLS AND FLOORS SHALL BE SEALED WITH FIRE RESISTIVE MATERIAL, COMPATIBLE WITH CONSTRUCTION PENETRATED. TO MAINTAIN RATING OF THE WALL, SEALANT SYSTEM SHALL BE A U.L. APPROVED SYSTEM AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- FURNISH AND INSTALL PULL CORD IN ALL EMPTY CONDUITS.
- ALL JUNCTION BOX COVERS WITH POWER WIRING SHALL HAVE THE PANEL AND CIRCUIT LABELED ON THE OUTSIDE SURFACE. ALL LABELS FOR EXPOSED JUNCTION BOXES IN "FINISHED AREAS" SHALL BE LABELED UTILIZING SELF-ADHESIVE LABELS PRODUCED BY A MECHANICAL LABELING MACHINE. LABELS FOR JUNCTION BOX COVERS IN CONCEALED LOCATIONS SHALL CONSIST OF THE INFORMATION BEING NEATLY HANDWRITTEN ON THE OUTSIDE SURFACE OF THE COVER WITH A PERMANENT STYLE MARKER.
- CLEARLY LABEL ALL ACCESSIBLE CONDUIT STUBS WITH SYSTEM NAME AND LOCATION (ROOM NUMBER) WHERE THE OTHER END OF THE CONDUIT TERMINATES. USE INDELIBLE INK. THE LABELS SHALL BE LOCATED ON THE CONDUIT IN A POSITION THAT CAN BE EASILY READ.
- ALL 1 POLE BREAKER CIRCUITS SHALL HAVE AN INDEPENDENT NEUTRAL CONDUCTOR. NO EDISON STYLE SHARED NEUTRAL CONDUCTORS ARE ALLOWED.
- ALL CONDUCTORS IN ELECTRICAL PANELS, CABINETS AND EQUIPMENT SHALL BE NEATLY TRAINED AND LACED.
- THE CONTRACTOR SHALL PROVIDE UPDATED CIRCUIT PANEL DIRECTORIES FOR ALL PANELS. DIRECTORIES SHALL BE TYPED.
- PROVIDE ELECTRICAL SUBMITTALS FOR EQUIPMENT SHOWN AS REQUIRED BY DIVISION 1 SPECIFICATIONS.
- ELECTRICAL CONTRACTOR SHALL OBTAIN THE AVAILABLE FAULT CURRENT VALUE FROM THE LOCAL UTILITY OR THE ONE-LINE DIAGRAM AND LABEL THE MAIN BREAKER WITH THAT VALUE.
- SWITCH AND RECEPTACLE LABELING: IDENTIFY PANELBOARD AND CIRCUIT NUMBER FROM WHICH DEVICES ARE SERVED. USE MACHINE PRINTED LABEL AND 1/8" TEXT. INSTALL ON THE OUTSIDE OF THE FACEPLATE FOR RECEPTACLES AND INSIDE THE FACEPLATE FOR SWITCHES.

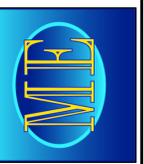
CIRCUITING SYMBOLS



DATE	
REVISIONS	
NO.	



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PROJECT	25-300
DRAWN	JB
CHECKED	TM
DATE	26-02-27
SHEET NAME	

ELECTRICAL COVER SHEET

E.O.O

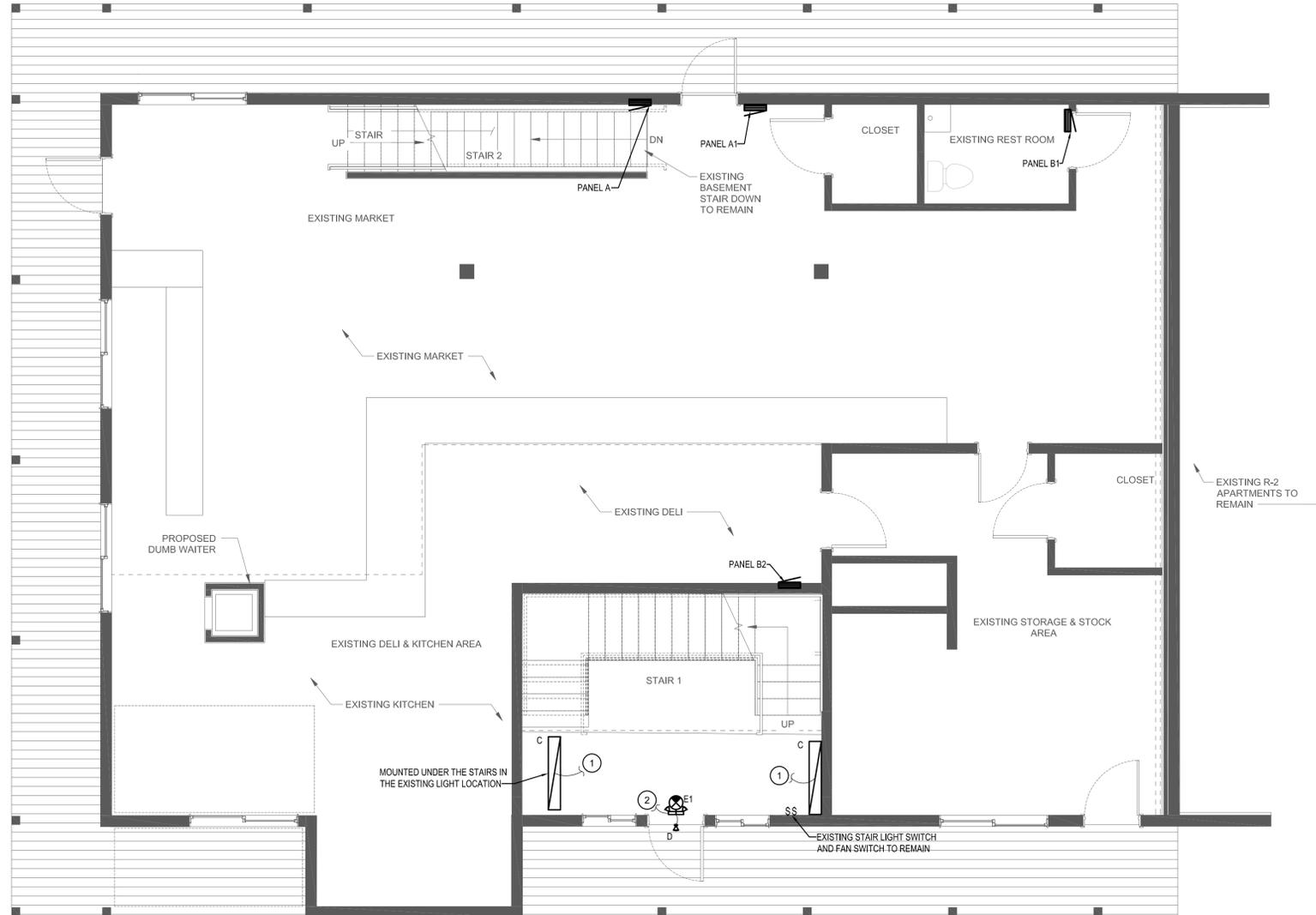
GENERAL NOTES:

A. EXISTING ELECTRICAL PANELS SHOWN ON THIS DRAWING FOR REFERENCE ONLY.

KEYED NOTES:

SYMBOL USED FOR NOTE CALLOUT.

1. TIE INTO THE EXISTING AREA LIGHT CIRCUIT FOR POWER TO THIS LIGHT. EACH LIGHT HAS A BUILT IN OCCUPANCY SENSOR FOR AUTOMATIC CONTROL. LEAVE LIGHTS ON THE EXISTING LIGHT SWITCH FOR THE ABILITY TO OVERRIDE AND TURN THE LIGHTS OFF.
2. TIE COMBINATION EMERGENCY / EXIT LIGHT IN TO THE NEAREST 120V CONTINUOUS POWER SOURCE.

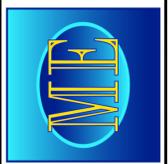


1 MAIN LEVEL STAIRS LIGHTING PLAN
E100 1/4" = 1'-0"

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OVER 45 YEARS OF EXCELLENCE



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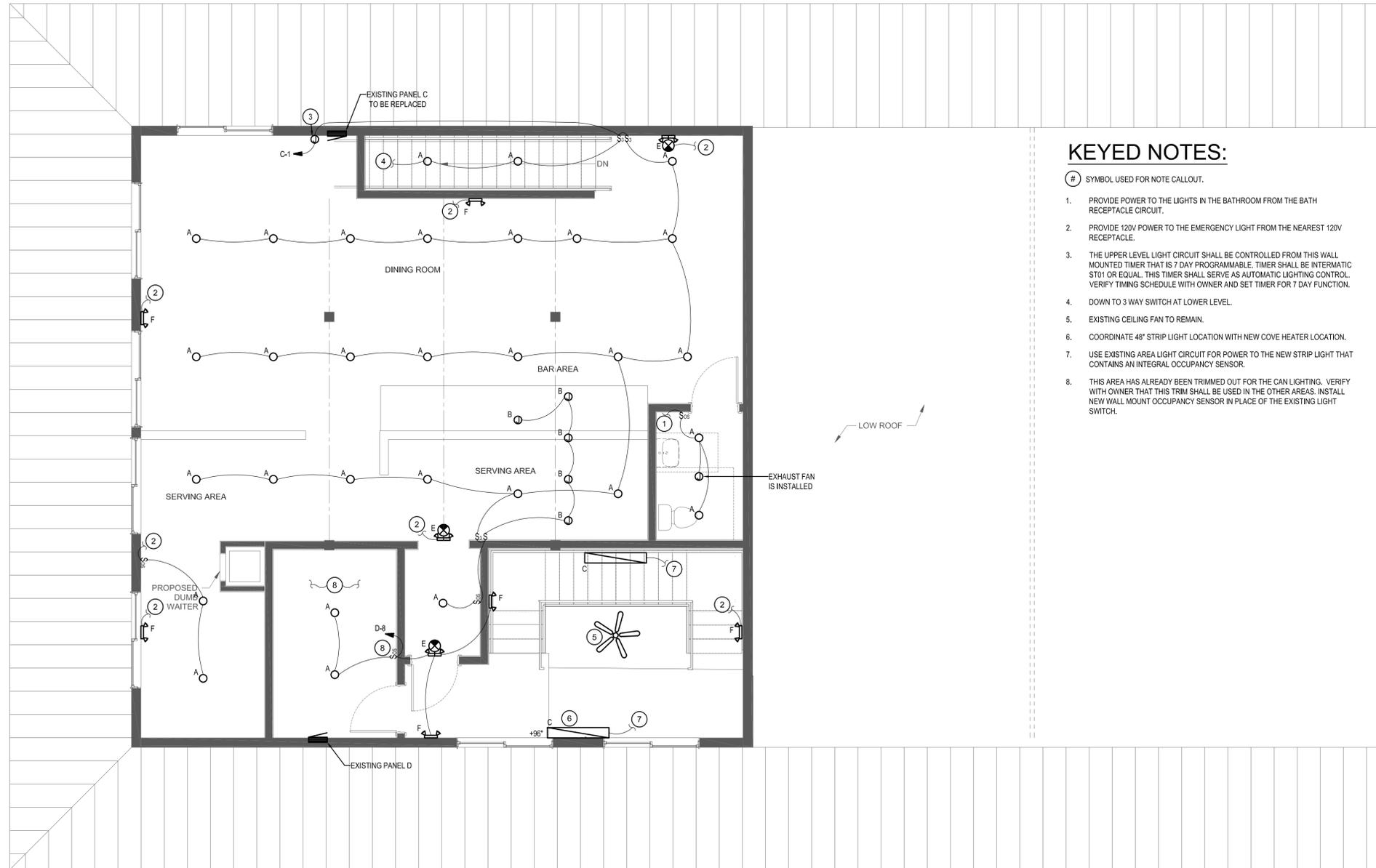
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MAIN LEVEL STAIRS LIGHTING PLAN

E100

GENERAL NOTES:

A. THE EXISTING UPPER DINING AREA IS IN A STATE OF PARTIAL COMPLETION. THE EXISTING LOCATIONS OF DEVICES ARE SHOWN TO THE BEST OF OUR ABILITY. THE INTENT OF THE PROJECT IS TO USE THE EXISTING CAN LIGHT FRAMES THAT ARE ROUGHED IN. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE WITH THE OWNER PRIOR TO BID TO SEE WHAT THE OWNER HAS AVAILABLE FOR TRIM OUT THAT IS ALREADY PURCHASED. MAKE ADJUSTMENTS TO CIRCUITING IN THE FIELD AS REQUIRED.



KEYED NOTES:

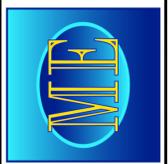
- # SYMBOL USED FOR NOTE CALLOUT.
- 1. PROVIDE POWER TO THE LIGHTS IN THE BATHROOM FROM THE BATH RECEPTACLE CIRCUIT.
- 2. PROVIDE 120V POWER TO THE EMERGENCY LIGHT FROM THE NEAREST 120V RECEPTACLE.
- 3. THE UPPER LEVEL LIGHT CIRCUIT SHALL BE CONTROLLED FROM THIS WALL MOUNTED TIMER THAT IS 7 DAY PROGRAMMABLE. TIMER SHALL BE INTERMATIC ST01 OR EQUAL. THIS TIMER SHALL SERVE AS AUTOMATIC LIGHTING CONTROL. VERIFY TIMING SCHEDULE WITH OWNER AND SET TIMER FOR 7 DAY FUNCTION.
- 4. DOWN TO 3 WAY SWITCH AT LOWER LEVEL.
- 5. EXISTING CEILING FAN TO REMAIN.
- 6. COORDINATE 48" STRIP LIGHT LOCATION WITH NEW COVE HEATER LOCATION.
- 7. USE EXISTING AREA LIGHT CIRCUIT FOR POWER TO THE NEW STRIP LIGHT THAT CONTAINS AN INTEGRAL OCCUPANCY SENSOR.
- 8. THIS AREA HAS ALREADY BEEN TRIMMED OUT FOR THE CAN LIGHTING. VERIFY WITH OWNER THAT THIS TRIM SHALL BE USED IN THE OTHER AREAS. INSTALL NEW WALL MOUNT OCCUPANCY SENSOR IN PLACE OF THE EXISTING LIGHT SWITCH.

1 SECOND LEVEL LIGHTING PLAN
E101 1/4" = 1'-0"

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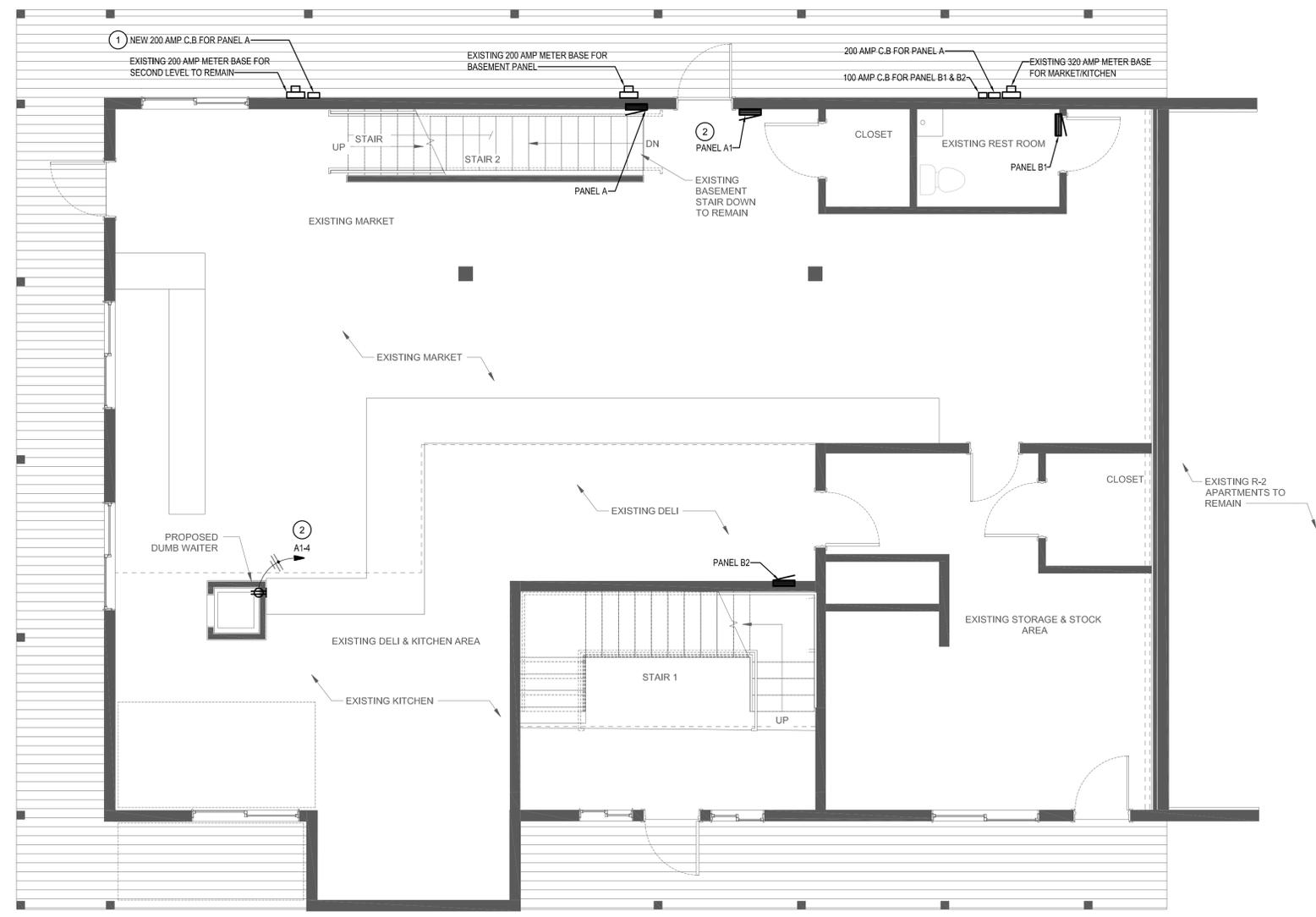
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SECOND LEVEL LIGHTING PLAN
E101

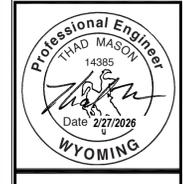
KEYED NOTES:

- # SYMBOL USED FOR NOTE CALLOUT.
- CURRENTLY THERE IS NOT AN EXTERIOR DISCONNECT FOR THE SECOND LEVEL PANEL C. PROVIDE NEW 200 AMP NEMA 3R RATED CIRCUIT BREAKER NEXT TO THE EXISTING 200 AMP METER BASE. REVISE CONDUIT AND CONDUCTORS TO ADD NEW 200 AMP CIRCUIT BREAKER IN BETWEEN THE EXISTING METER BASE AND NEW PANEL C.
 - THE NEW DUMBWAITER REQUIRES A NEW DEDICATED 120 V 20 AMP CIRCUIT. PROVIDE NEW CIRCUIT FROM PANEL A1 CIRCUIT A1-4.

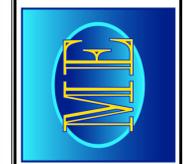


1 MAIN LEVEL DUMBWAITER POWER PLAN
 E200 1/4" = 1'-0"

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SHEET NAME	

MAIN LEVEL DUMBWAITER POWER PLAN

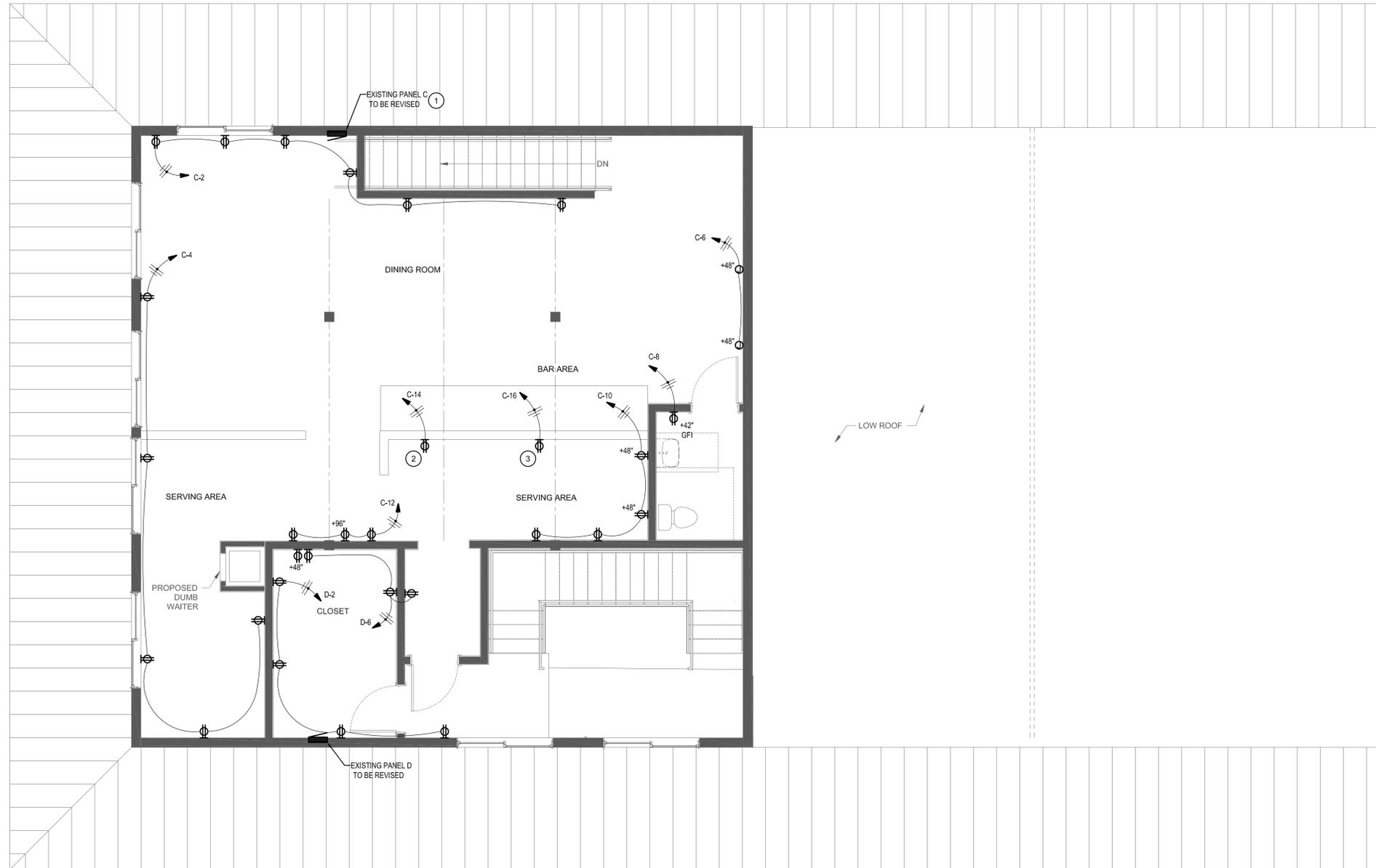
E200

GENERAL NOTES:

- A. THE EXISTING UPPER DINING AREA IS IN A STATE OF PARTIAL COMPLETION. THE EXISTING LOCATIONS OF DEVICES ARE SHOWN TO THE BEST OF OUR ABILITY. THE INTENT OF THE PROJECT IS TO USE THE EXISTING RECEPTACLE LOCATIONS THAT ARE ROUGHED IN. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE WITH THE OWNER PRIOR TO BID TO SEE WHAT THE OWNER HAS AVAILABLE FOR TRIM OUT THAT IS ALREADY PURCHASED.
- B. VERIFY ALL CIRCUITS PRIOR TO WORK ON ANY CIRCUIT. PROVIDE NEW ENGRAVED LABEL FOR PANEL C AND PANEL D. PROVIDE NEW TYPED PANEL SCHEDULES WITH FIELD VERIFIED LABELING AT THE END OF THE PROJECT.

KEYED NOTES:

- # SYMBOL USED FOR NOTE CALLOUT.
- 1. EXISTING PANEL C TO BE REMOVED AND REPLACED WITH A NEW 200 AMP MLO 42 CIRCUIT LOAD CENTER. PROVIDE NEW ENGRAVED NAMEPLATE LEVEL AND NEW TYPED PANEL SCHEDULE.
- 2. INSTALL A NEW DEDICATED CIRCUIT FOR THE POINT OF SALE AND FUTURE POWER NEEDS. VERIFY LOCATION WITH OWNER AND ARCHITECT.
- 3. INSTALL A NEW DEDICATED CIRCUIT FOR THE UNDERCOUNTER FRIDGE. VERIFY LOCATION WITH OWNER AND ARCHITECT.

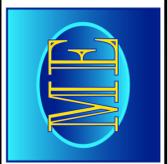


1 SECOND LEVEL POWER PLAN
E201 1/4" = 1'-0"

NO.	REVISIONS	DATE



MUSGROVE ENGINEERING, P.A.
1135 Pier View Dr. #160
Boise, Idaho 83709
208-384-4855
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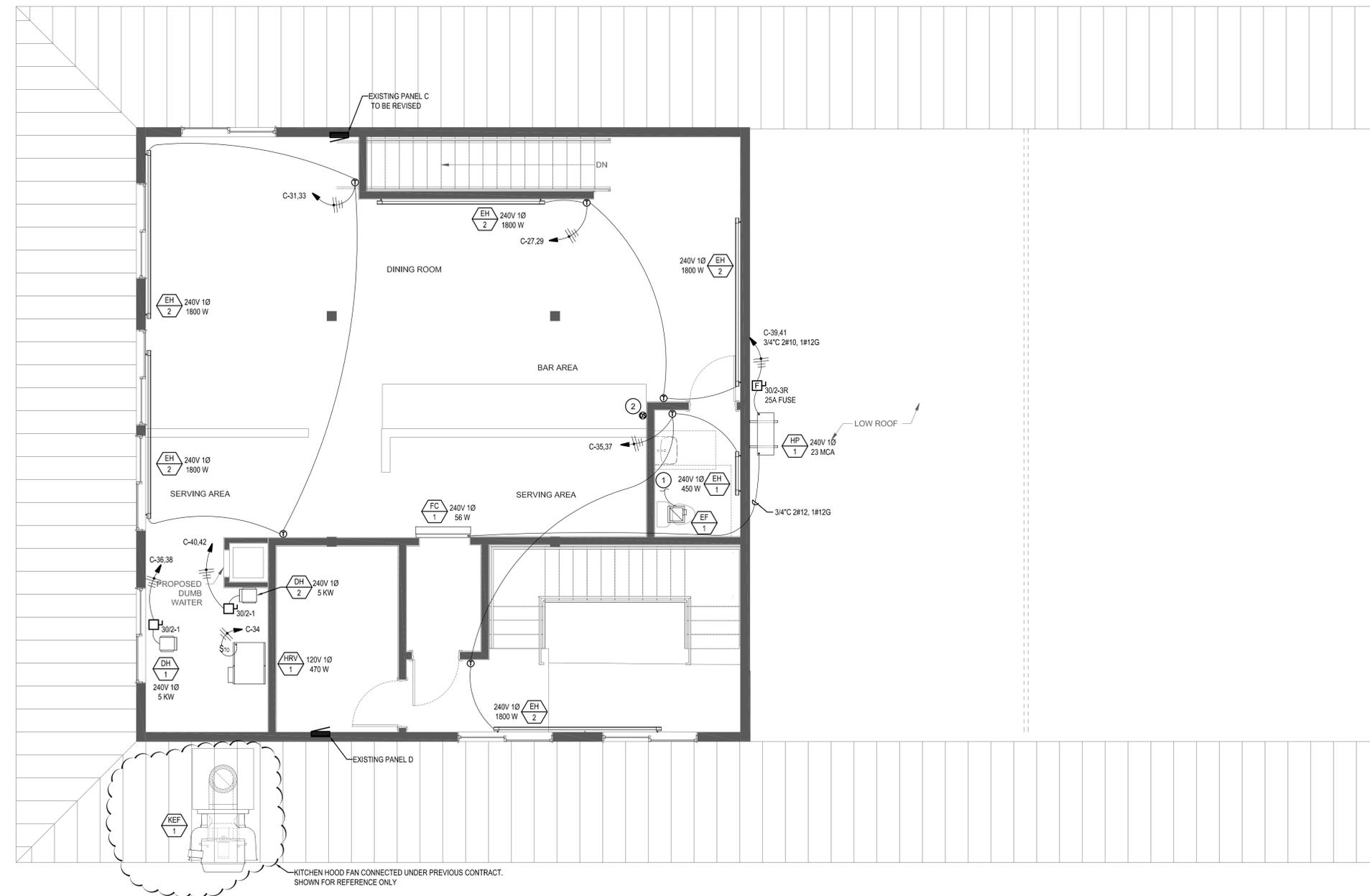
TIENDA LA MEXICANA
141 HIGHWAY 89
ALPINE, WY 83218

PROJECT	25-300
DRAWN	JB
CHECKED	TM
DATE	26-02-27
SHEET NAME	

SECOND LEVEL POWER PLAN
E201

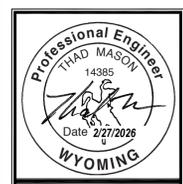
KEYED NOTES:

- # SYMBOL USED FOR NOTE CALLOUT.
- 1. THE BATH EXHAUST FAN IS CONTROLLED AND POWERED FROM THE BATH LIGHT OCCUPANCY SENSOR.
- 2. COORDINATE WITH THE MECHANICAL CONTRACTOR AND CONTROLS CONTRACTOR FOR JUNCTION BOX MOUNTING LOCATION AND NEEDS FOR THIS SENSOR.

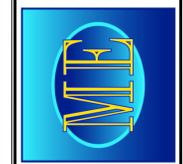


1 SECOND LEVEL MECHANICAL POWER PLAN
E301 1/4" = 1'-0"

NO.	REVISIONS	DATE



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TIENDA LA MEXICANA
 141 HIGHWAY 89
 ALPINE, WY 83218

PROJECT	25-300
DRAWN	JB
CHECKED	TM
DATE	26-02-27
SHEET NAME	

SECOND LEVEL MECH POWER PLAN

E301

PANEL: A1		PROJECT: 25-300 LA TIENDA MEXICAN KITCHEN UPGRADE												
VOLTAGE: 240 / 120 V		1 PH	3 WIRE	AMPERE RATING: 125A		WITH 125A		MLO		MOUNTING: SURFACE				
BASIS OF DESIGN PANEL TYPE:		LOAD CENTER		NEMA ENCLOSURE TYPE: 1		PANEL AIC RATING: 10000								
CKT NOTES:		REMARKS:												
1. GFCI FOR PERSONNEL PROTECTION (5mA)														
2. GFCI FOR EQUIPMENT PROTECTION (30mA)														
3. AFCI COMBINATION STYLE BREAKER														
CKT	DESCRIPTION	CKT NOTE	LOAD VA	LOAD AMPS	AMPS/POLES	LOAD (VA)			AMPS/POLES	LOAD VA	LOAD AMPS	CKT NOTE	DESCRIPTION	CKT
1	WATER HEATER		2250	18.8	30 2				20	1	8.3	1000	WEST KITCHEN HOOD CONTROL PANEL	2
3	***		2250	18.8	** *				2750	20	1	4.2	DUMBWATER	4
5	SPARE		0.0	0.0	20 1				0	20	1	0.0	SPARE	6
7	SPARE		0.0	0.0	20 1				0	20	1	0.0	SPARE	8
9	SPARE		0.0	0.0	20 1				0	20	1	0.0	SPARE	10
11	SPARE		0.0	0.0	20 1				0	20	1	0.0	SPARE	12
13	SPARE		0.0	0.0	20 1				0	20	1	0.0	SPARE	14
15	SPARE		0.0	0.0	20 1				0	20	1	0.0	SPARE	16
17	SPARE		0.0	0.0	30 2	1245			20	2	10.4	1245	KITCHEN HOOD EXHAUST FAN	18
19	SPARE		0.0	0.0	** *				1245	** *	10.4	1245	***	20
21	SPARE		0.0	0.0	20 1	1992			25	2	16.6	1992	WAKE UP AIR FAN	22
23	SPARE		0.0	0.0	20 1				1992	** *	16.6	1992	***	24
						6487.0	VA		5987.0					
						54.1	AMPS		49.9				12474	TOTAL VA

CONNECT THE DUMBWATER ON THE FIRST LEVEL TO THIS CIRCUIT

PANEL: C		PROJECT: 25-300 LA TIENDA MEXICAN KITCHEN UPGRADE EXISTING CONDITIONS												
VOLTAGE: 240 / 120 V		1 PH	3 WIRE	AMPERE RATING: 225A		WITH 200A		CB		MOUNTING: FLUSH				
BASIS OF DESIGN PANEL TYPE:		LOAD CENTER		NEMA ENCLOSURE TYPE: 1		PANEL AIC RATING: 10000								
CKT NOTES:		REMARKS:												
1. GFCI FOR PERSONNEL PROTECTION (5mA)														
2. GFCI FOR EQUIPMENT PROTECTION (30mA)														
3. AFCI COMBINATION STYLE BREAKER														
4. EXISTING BREAKER														
CKT	DESCRIPTION	CKT NOTE	LOAD VA	LOAD AMPS	AMPS/POLES	LOAD (VA)			AMPS/POLES	LOAD VA	LOAD AMPS	CKT NOTE	DESCRIPTION	CKT
1	UNKNOWN	4	0.0	0.0	20 1				20	1	0.0		UNKNOWN	2
3	UNKNOWN	4	0.0	0.0	20 1				0	20	1	0.0	UNKNOWN	4
5	UNKNOWN	4	0.0	0.0	20 1				0	20	1	0.0	UNKNOWN	6
7	UNKNOWN	4	0.0	0.0	20 1				0	20	1	0.0	UNKNOWN	8
9	UNKNOWN	4	0.0	0.0	20 1				0	20	1	0.0	UNKNOWN	10
11	UNKNOWN	4	0.0	0.0	20 1				0	20	1	0.0	UNKNOWN	12
13	UNKNOWN	4	0.0	0.0	30 2				0	20	1	0.0	UNKNOWN	14
15	***	4	0.0	0.0	** *				0	20	1	0.0	UNKNOWN	16
17	PANEL D	4	0.0	0.0	100 2				0	20	1	0.0	UNKNOWN	18
19	***	4	0.0	0.0	** *				0	20	1	0.0	UNKNOWN	20
						0.0	VA		0.0					
						0.0	AMPS		0.0				0	TOTAL VA

PANEL: D		PROJECT: 25-300 LA TIENDA MEXICAN KITCHEN UPGRADE EXISTING CONDITIONS												
VOLTAGE: 240 / 120 V		1 PH	3 WIRE	AMPERE RATING: 125A		WITH 100A		MLO		MOUNTING: FLUSH				
BASIS OF DESIGN PANEL TYPE:		LOAD CENTER		NEMA ENCLOSURE TYPE: 1		PANEL AIC RATING: 10000								
CKT NOTES:		REMARKS:												
1. GFCI FOR PERSONNEL PROTECTION (5mA)		VERIFY ALL CIRCUITS AND PROVIDE UPDATED TYPED PANEL SCHEDULE												
2. GFCI FOR EQUIPMENT PROTECTION (30mA)														
3. AFCI COMBINATION STYLE BREAKER														
4. EXISTING BREAKER														
CKT	DESCRIPTION	CKT NOTE	LOAD VA	LOAD AMPS	AMPS/POLES	LOAD (VA)			AMPS/POLES	LOAD VA	LOAD AMPS	CKT NOTE	DESCRIPTION	CKT
1	UNKNOWN		0.0	0.0	60 2				20	1	0.0		REC - EAST OFFICE	2
3	***		0.0	0.0	** *				0	20	1	0.0	UNKNOWN	4
5	UNKNOWN		0.0	0.0	20 1				20	1	0.0		REC - WEST OFFICE	6
7	UNKNOWN		0.0	0.0	20 1				0	20	1	0.0	LTS - OFFICE	8
9	UNKNOWN		0.0	0.0	20 1				0	20	1	0.0	UNKNOWN	10
11	***		0.0	0.0	20 1				0	30	2	0.0	WATER HEATER	12
13	BLANK		0.0	0.0	20 1				** *	0.0			***	14
15	BLANK		0.0	0.0	20 1				0	20	1	0.0	BLANK	16
17	BLANK		0.0	0.0	20 1				0	20	1	0.0	BLANK	18
19	BLANK		0.0	0.0	20 1				0	20	1	0.0	BLANK	20
21	BLANK		0.0	0.0	20 1				0	20	1	0.0	BLANK	22
23	BLANK		0.0	0.0	20 1				0	20	1	0.0	BLANK	24
						0.0	VA		0.0					
						0.0	AMPS		0.0				0	TOTAL VA

PANEL: C		PROJECT: 25-300 LA TIENDA MEXICAN KITCHEN UPGRADE (REVISED)													
VOLTAGE: 240 / 120 V		1 PH	3 WIRE	AMPERE RATING: 225A		WITH 200A		MLO		MOUNTING: SURFACE					
BASIS OF DESIGN PANEL TYPE:		LOAD CENTER		NEMA ENCLOSURE TYPE: 1		PANEL AIC RATING: 10000									
CKT NOTES:		REMARKS:													
1. GFCI FOR PERSONNEL PROTECTION (5mA)		NEW 200 AMP 42 CIRCUIT PANEL TO REPLACE EXISTING PANEL C													
2. GFCI FOR EQUIPMENT PROTECTION (30mA)		PROVIDE NEW TYPED PANEL SCHEDULE													
3. AFCI COMBINATION STYLE BREAKER															
4. EXISTING BREAKER															
CKT	DESCRIPTION	CKT NOTE	LOAD VA	LOAD AMPS	AMPS/POLES	LOAD (VA)			AMPS/POLES	LOAD VA	LOAD AMPS	CKT NOTE	DESCRIPTION	CKT	
1	LTS - UPPER LEVEL		600	5.0	20 1				20	1	9.0	1080	REC - DINING NORTH	2	
3	SPARE		0.0	0.0	20 1				900	20	1	7.5	900	REC - DINING WEST	4
5	SPARE		0.0	0.0	20 1	360			20	1	3.0	360	REC - DINING EAST	6	
7	SPARE		0.0	0.0	20 1				400	20	1	3.3	400	REC & LTS BATHROOM	8
9	SPARE		0.0	0.0	20 1	720			20	1	6.0	720	REC - BAR AREA	10	
11	SPARE		0.0	0.0	20 1				540	20	1	4.5	540	REC - SERVING AREA	12
13	SPARE		0.0	0.0	20 1	180			20	1	1.5	180	REC - BAR REGISTER	14	
15	SPARE		0.0	0.0	20 1				750	20	1	6.3	750	REC - BAR FRIDGE	16
17	SPARE		0.0	0.0	20 1	0			20	1	0.0		SPARE	18	
19	SPARE		0.0	0.0	20 1	0			0	20	1	0.0	SPARE	20	
21	SPARE		0.0	0.0	20 1	0			20	1	0.0		SPARE	22	
23	PANEL D		0.0	0.0	100 2				0	20	1	0.0	SPARE	24	
25	***		0.0	0.0	** *				20	1	0.0		SPARE	26	
27	COVE HEAT NORTH AND EAST		1800	15.0	20 1				1800	20	1	0.0	SPARE	28	
29	***		1800	15.0	20 1	1800			20	1	0.0		SPARE	30	
31	COVE HEAT WEST		1800	15.0	20 1				1800	20	1	0.0	SPARE	32	
33	***		1800	15.0	20 1	2270			20	1	3.9	470	HRV-1	34	
35	COVE HEAT BATH AND STAIRS		1125	9.4	20 2				3625	30	1	20.8	2500	HRV DUCT HEATER	36
37	***		1125	9.4	** *				1125	** *	9.4	** *	2500	***	38
39	HEAT PUMP HP-1		2208	18.4	30 2				4708	30	1	20.8	2500	HRV DUCT HEATER	40
41	***		2208	18.4	** *				** *	1	20.8	2500	***	42	
						15343.0	VA		121.0						
						127.9	AMPS		29866				29866	TOTAL VA	

141 HIGHWAY 89 ALPINE, WY - SECOND LEVEL

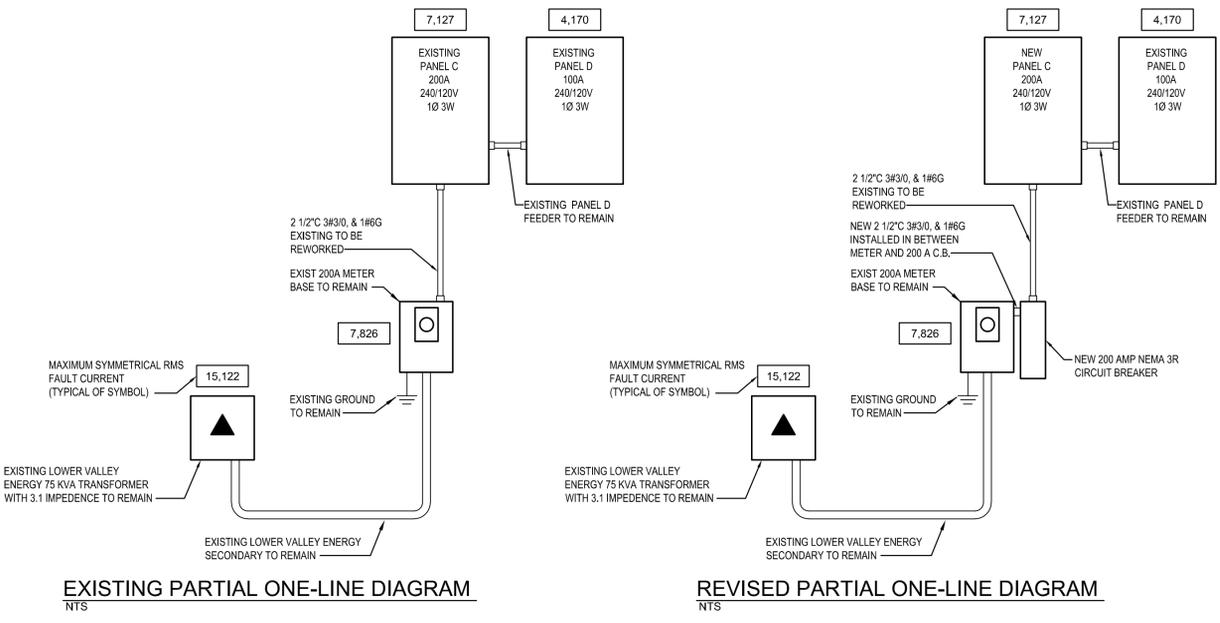
EXISTING TRANSFORMER IS 75 KVA 240/120V 1 PHASE WITH 3.1 IMPEDANCE

METER PEAK USAGE ON 12/27/24: 10.2 KW 42.5 AMPS

PER NEC 220.87: 42.5 AMPS * 1.25 = 53.13 AMPS

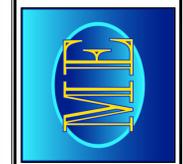
200-53.13 = 146.87 AMPS AVAILABLE FOR ADDITIONAL LOADING ON THE EXISTING 200 AMP SERVICE

TIENDA LA MEXICANA UPPER LEVEL			
Voltage 240/120V single phase			
Remodel of existing upper level area			
New Loads:			
Exhaust Fan	20 watts		
Cove Heat EH-1 Bath	450 watts		
Cove Heat EH-2 West	1800 watts		
Cove Heat EH-2 West	1800 watts		
Cove Heat EH-2 North	1800 watts		
Cove Heat EH-2 East	1800 watts		
Cove Heat EH-2 Stairs	1800 watts		
HRV-1	470 watts		
Duct Heater DH-1, DH-2	10000 watts		
Heat Pump HP-1	4416 watts		
Fan Coil FC-1	56 watts		
Undercounter Fridge	750 watts		
New loads	Total	25162 watts	25162 watts
		240 volts	105 amps



NO.	REVISIONS	DATE

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TIENDA LA MEXICANA
141 HIGHWAY 89
ALPINE, WY 83218

PROJECT	25-300
DRAWN	JB
CHECKED	TM
DATE	26-02-27
SHEET NAME	

SCHEDULES & ONE LINE

E 400

LIGHTING FIXTURE SCHEDULE (25-300)						
TYPE	DESCRIPTION	MTG.	LAMPS	WATTS	MFG. & CATALOG NUMBER	OR EQUAL BY NOTES
A	EXISTING CAN LIGHT HOUSING CURRENTLY INSTALLED. VERIFY TRIM TYPE WITH OWNER BEFORE ORDERING	RECESSED	LED 3000K	10	EXISTING	
B	LED MONOPOINT BLACK 3000K, 485 LUMENS	SURFACE	LED 3000K	6.5	VIAC NO MR-20007-930-BK	COLUMBIA METALUX DAYBRITE 1
C	LED LINEAR 48" WHITE, 4000 LUMENS, 4000K FLAT LENS, INTEGRAL OCCUPANCY SENSOR	SURFACE	LED 4000K	32	LITHONIA NO CLX-L48-4000LM-SEF-FDL-120-EZ1-40K-80CRI-MSD7-WH	COLUMBIA METALUX DAYBRITE 1
D	EXTERIOR EMERGENCY REMOTE HEAD POWERED FROM INTERIOR EMERGENCY/EXT TYPE E1 SINGLE HEAD, WHITE. WET LOCATION LISTED	SURFACE	LED 4000K	1.2	LITHONIA NO ELMRW-LP220L-SGL	COLUMBIA METALUX DAYBRITE 1
E	CONTRACTOR SELECT EMERGENCY/EXT COMBO	SURFACE	LED 4000K	3.5	LITHONIA NO LHOM-S-W-RG-MVOLT-M6	COLUMBIA METALUX DAYBRITE 1
E1	CONTRACTOR SELECT EMERGENCY/EXT COMBO WITH HIGH OUTPUT BATTERY FOR REMOTE HEAD	SURFACE	LED 4000K	3.5	LITHONIA NO LHOM-S-W-RG-MVOLT-HO-M6	COLUMBIA METALUX DAYBRITE 1
F	CONTRACTOR SELECT COMMERCIAL LED EMERGENCY LIGHT, WHITE	SURFACE	LED	4.8	LITHONIA NO ELM4L	COLUMBIA METALUX DAYBRITE 1

LIGHTING FIXTURE SCHEDULE NOTES:
 1 SUBSTITUTIONS WILL BE ALLOWED IF SUBMITTED PRIOR TO BID DATE BY THE GREATER OF: 7 BUSINESS DAYS OR THE TIME PERIOD SPECIFIED BY DIVISION 1 SPECIFICATIONS, AND IF DEEMED EQUAL BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING SUBSTITUTED FIXTURES MEET OR EXCEED THE SPECIFICATIONS OF THE FIXTURES SPECIFIED.

COMcheck Software Version COMcheckWeb
Interior Lighting Compliance Certificate

Project Information
 Energy Code: 2021 IECC
 Project Title: Tienda La Mexicana
 Project Type: Alteration

Construction Site: 141 Highway 89
 Alpine, Wyoming 83218

Owner/Agent: Tienda La Mexicana
 141 Highway 89
 Alpine, Wyoming 83218

Designer/Contractor: Jeremy Bradley
 Musgrove Engineering
 1135 Pier View Dr #160
 Idaho Falls, Idaho 83402
 2085232862
 jeremyb@musgrovepa.com

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	All Watts
1-Dining area (Common Space Types:Dining Area - Family Restaurant)	1620	0.60	972
Total Allowed Watts =			972

Proposed Interior Lighting Power

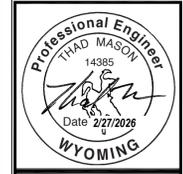
A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Watt.	E (C x D)
Dining area (Common Space Types:Dining Area - Family Restaurant, 1620 sq.ft.)				
LED: A: LED Can Light: LED PAR 10W:	1	29	10	290
LED: B: LED Monopoint: LED PAR 7W:	1	5	7	7
LED: C: LED Linear: LED Linear 33W:	1	4	32	32
Total Proposed Watts =				329

Interior Lighting PASSES

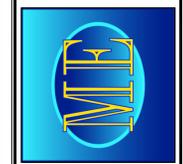
Interior Lighting Compliance Statement
 Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with applicable mandatory requirements listed in the Inspection Checklist.

Jeremy Bradley - Project Manager
 Name - Title: _____ Signature: *Jeremy Bradley* Date: 02/27/26

NO.	REVISIONS	DATE



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PROJECT	25-300
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FIXTURE SCHEDULE COMCHECK
E401