

ELECTRICAL ABBREVIATIONS	
1P	1 POLE (NUMBER DENOTES QUANTITY)
1P1W	1 POLE 1 WIRE (NUMBER DENOTES QUANTITY)
2W	2 WIRE (NUMBER DENOTES QUANTITY)
ZZ"	MOUNTING HEIGHT (CENTERLINE TO FLOOR OR GRADE)
A	AMPERE
AC	ABOVE COUNTER
AF	AMP FRAME
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFB	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ARCH	ARCHITECTURAL
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BCE	BUILDING CONTROLLER ENCLOSURE
BLDG	BUILDING
C	CONDUIT
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CD	CANDELA
CKT	CIRCUIT
CLG	CEILING
CONN	CONNECTION
CONT	CONTINUOUS (OUS) (ED) (ATION)
CONTR	CONTRACTOR
CP	CORD AND PLUG
CTE	CURRENT TRANSFORMER
CTE	CONNECT TO EXISTING
CJ	COPPER
DC	DIRECT CURRENT
DISC	DISCONNECT
DOWN	DOWN
DSD	DUCT SMOKE DETECTOR
DWG	DRAWING
Δ	DELTA
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
FA	FIRE ALARM
FBO	FURNISHED BY OTHERS
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METALLIC CONDUIT
FUSW	FUSE/SWITCH RATINGS (AMPS)
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFPE	GROUND FAULT PROTECTION EQUIPMENT
GND	GROUND
GRC	GLAZERIZED RIGID CONDUIT
HOA	HAND-OFF-AUTO SWITCH
HP	HORSEPOWER
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HZ	HERTZ
IAM	INDIVIDUAL ADDRESSABLE MODULE
IG	ISOLATED GROUND
IMC	INTERMEDIATE METALLIC CONDUIT
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS

ELECTRICAL ABBREVIATIONS	
KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
LCT	LOAD CENTER TYPE
LFMC	LIQUID TIGHT FLEXIBLE METALLIC CONDUIT
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LTG	LIGHTING
MAG	MAGNETIC
MAX	MAXIMUM
MC	METAL CLAD CABLE
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MIN	MINIMUM
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTS	MANUAL TRANSFER SWITCH
#	NUMBER
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OL	OVERLOAD
P	POLE
PB	PULL BOX
PV	POST INDICATING VALVE
PNL	PANEL
PR	PAR
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
Ø OR PH	PHASE
REQ	REQUIRED
RSC	RIGID STEEL CONDUIT
SCCR	SHORT CIRCUIT CURRENT RATING
SEC	SECONDARY
SIG	SIGNAL
SP	SPARE
SS	STAINLESS STEEL
SSNR	SOFT START NON-REVERSING
SSR	SOFT START REVERSING
STP	SHIELDED TWISTED PAIR
SW	SWITCH
SWBD	SWITCHBOARD
T-STAT	THERMOSTAT
TT	THERMAL TOGGLE
TYP	TYPICAL
UG	UNDERGROUND
UTP	UNSHIELDED TWISTED PAIR
V	VOLT
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WP	WEATHERPROOF
XMR	TRANSFORMER
Y	IWYE

ELECTRICAL SYMBOL LEGEND											
POWER			LIGHTING CONTROLS			COMMUNICATIONS / DATA			FIRE ALARM		
SYMBOL	DESCRIPTION	MTG HT	SYMBOL	DESCRIPTION	MTG HT	SYMBOL	DESCRIPTION	MTG HT	SYMBOL	DESCRIPTION	MTG HT
<b>RECEPTACLE TYPE LEGEND</b> WP = WEATHERPROOF SS = STAINLESS STEEL FACEPLATE GFCI = GROUND FAULT USB = USB TYPE RECEPTACLE T = TAMPERPROOF RECEPTACLE H = HOSPITAL GRADE RECEPTACLE			<b>LIGHTING CONTROL TYPE LEGEND</b> X = SINGLE POLE SWITCH X DENOTES SWITCH LEG 2 = DOUBLE POLE SWITCH 3 = 3-WAY SWITCH 4 = 4-WAY SWITCH EP = EXPLOSION PROOF SWITCH E = EMERGENCY SWITCH LV = LOW VOLTAGE SWITCH PL = PILOT LIGHT SWITCH K = KEY OPERATED SWITCH L = LIGHTED TOGGLE SWITCH MC = MOMENTARY CONTACT SWITCH VS = WALL SENSOR VACANCY SWITCH OS = WALL SENSOR OCCUPANCY SENSOR			<b>TELEPHONE CABINET - SIZE AS INDICATED</b> <b>RACK - SIZE AS INDICATED</b> <b>COMMUNICATIONS BOARD - SIZE AS INDICATED</b> <b>FLOOR BOX</b> <b>TELEPHONE</b> <b>TELEPHONE - WALL HUNG</b> <b>COMBINATION PHONE/DATA OUTLET</b> <b>DATA OUTLET</b> <b>DATA - CEILING MOUNTED</b> <b>HANDSET</b> <b>WALL CLOCK TYPE LEGEND</b> M = MASTER CLOCK D = DUAL FACE CLOCK C = CLOCK OUTLET NONE = STANDARD WALL CLOCK <b>SPEAKER - WALL MOUNTED</b> <b>SPEAKER - CEILING MOUNTED</b> <b>SOUND REINFORCEMENT - CEILING MOUNTED</b> <b>WALL/FLOOR COMMUNICATIONS DEVICE</b> A = AUDIO OUTLET H = HORN IC = CALL STATION MA = MICROPHONE MM = MULTIMEDIA OUTLET P = PROJECTOR RS = ROOM SCHEDULER WM = WIRELESS MICROPHONE SYSTEM <b>CEILING COMMUNICATIONS DEVICE</b> A = AUDIO OUTLET H = HORN IC = CALL STATION MA = MICROPHONE MM = MULTIMEDIA OUTLET P = PROJECTOR RS = ROOM SCHEDULER WM = WIRELESS MICROPHONE SYSTEM <b>WALL COMMUNICATIONS DEVICE</b> SC = SCREEN CONTROLLER TV = TV OUTLET V = VOLUME CONTROL <b>CEILING COMMUNICATIONS DEVICE</b> M = MICROPHONE OUTLET SC = SCREEN CONTROLLER TERMINATION BOX TV = TV OUTLET <b>BUZZER</b> <b>BUZZER/STROBE</b> <b>BELL</b> <b>CHIME</b> <b>RESCUE ASSIST CALL STATION</b> <b>RESCUE ASSIST ZONE ANNUNCIATOR</b> <b>RESCUE ASSIST POWER SUPPLY WITH PHONE INTERFACE</b>			<b>FIRE ALARM CONTROL PANEL</b> <b>REMOTE FIRE ALARM ANNUNCIATOR PANEL</b> <b>FIRE ALARM BATTERY CABINET</b> <b>FIRE ALARM AUXILIARY CABINET</b> <b>FIRE ALARM NAC PANEL</b> <b>MAGNETIC DOOR HOLD OPEN</b> <b>FIRE ALARM BELL AND LIGHT</b> <b>FIRE ALARM HORN, WALL MOUNT</b> <b>FIRE ALARM MINI HORN (M), LOW TONE (L), WALL MOUNT</b> <b>FIRE ALARM SPEAKER</b> <b>FIRE ALARM STROBE</b> ## DENOTES CANDELA RATING <b>FIRE ALARM HORN/STROBE</b> ## DENOTES CANDELA RATING <b>FIRE ALARM SPEAKER/STROBE</b> ## DENOTES CANDELA RATING <b>FIRE ALARM HORN, CEILING</b> <b>FIRE ALARM MINI HORN (M), LOW TONE (L), CEILING MOUNT</b> <b>FIRE ALARM SPEAKER, CEILING</b> <b>FIRE ALARM STROBE, CEILING</b> ## DENOTES CANDELA RATING <b>FIRE ALARM HORN/STROBE, CEILING</b> ## DENOTES CANDELA RATING <b>FIRE ALARM SPEAKER/STROBE, CEILING</b> ## DENOTES CANDELA RATING <b>COMBINATION FIRE/SMOKE DAMPER</b> <b>SMOKE DAMPER</b> <b>FIRE ALARM ADDRESSABLE MODULE</b> <b>FIRE ALARM RELAY MODULE</b> <b>FIRE ALARM MANUAL PULL STATION</b> <b>FIRE ALARM SMOKE DETECTOR PHOTOELECTRIC TYPE CEILING MOUNT</b> <b>FIRE ALARM SMOKE DETECTOR IONIZATION TYPE CEILING MOUNT</b> <b>CARBON MONOXIDE DETECTOR CEILING MOUNT</b> <b>MULTI CRITERIA DETECTOR CEILING MOUNT</b> <b>FIRE ALARM DUCT SMOKE DETECTOR</b> <b>FIRE ALARM HEAT DETECTOR CEILING MOUNT</b> 135 = 135 DEG. FIXED HEAT DETECTOR 200 = 200 DEG. FIXED HEAT DETECTOR <b>FIRE ALARM SMOKE DETECTOR PHOTOELECTRIC TYPE WALL MOUNT</b> <b>FIRE ALARM SMOKE DETECTOR IONIZATION TYPE WALL MOUNT</b> <b>CARBON MONOXIDE DETECTOR WALL MOUNT</b> <b>MULTI CRITERIA DETECTOR WALL MOUNT</b> <b>FIRE ALARM BEAM DETECTOR - TRANSMITTER</b> <b>FIRE ALARM BEAM DETECTOR - RECEIVER</b> <b>FIRE ALARM HEAT DETECTOR WALL TYPE</b> 135 = 135 DEG. FIXED HEAT DETECTOR 200 = 200 DEG. FIXED HEAT DETECTOR <b>FIRE SPRINKLER TAMPER SWITCH</b> <b>FIRE SPRINKLER FLOW SWITCH</b> <b>FIRE SPRINKLER POST INDICATOR VALVE (PIV)</b>		
<b>POWER DISTRIBUTION</b> <b>GENERATOR - SIZE VARIES</b> <b>TRANSFORMER - SIZE VARIES</b> <b>PANELBOARD</b> <b>SWITCHBOARD/DISTRIBUTION PANELBOARD</b> <b>GROUND</b> <b>METER</b> <b>MANHOLE</b> <b>HANDHOLE</b> <b>ATS</b> AUTOMATIC TRANSFER SWITCH			<b>LIGHTING</b> <b>FIXTURE RECESSED MOUNTED</b> <b>FIXTURE SURFACE MOUNTED</b> <b>PENDANT MOUNTED STRIP FIXTURE</b> <b>WALL MOUNTED STRIP FIXTURE</b> <b>DOWN LIGHT FIXTURE</b> <b>WALL MOUNTED FIXTURE</b> <b>PENDANT FIXTURE</b> <b>TRACK LIGHTING, HEADS SPACED AS INDICATED</b> <b>LIGHT FIXTURE ON EMERGENCY CIRCUIT</b> <b>EXIT LIGHT FACE</b> DIRECTIONAL ARROWS AS INDICATED <b>EXIT LIGHT FACE</b> DIRECTIONAL ARROWS AS INDICATED <b>EXIT LIGHT WITH EMERGENCY HEADS</b> DIRECTIONAL ARROWS AS INDICATED <b>EXIT LIGHT WITH EMERGENCY HEADS</b> DIRECTIONAL ARROWS AS INDICATED <b>SELF-CONTAINED EMERGENCY LIGHTING UNIT</b> <b>SELF-CONTAINED EMERGENCY LIGHTING UNIT</b> <b>EXTERIOR POLE MOUNTED FIXTURE</b> <b>EXTERIOR BOLLARD FIXTURE</b>			<b>SECURITY</b> <b>SECURITY CALL BUTTON</b> <b>SECURITY ALARM PUSHBUTTON (DURESS BUTTON)</b> <b>ELECTRIC STRIKE</b> <b>ELECTRIC LATCH</b> <b>SECURITY MAGNETIC CONTACT</b> <b>SECURITY MOTION SENSOR - REQUEST TO EXIT</b> <b>FACILITY INTERROOM</b> <b>SECURITY KEYPAD</b> <b>SECURITY CARD READER</b> <b>INDICATOR LIGHT - CEILING MOUNTED</b> <b>INDICATOR LIGHT - WALL MOUNTED</b> <b>PAGING HORN</b> <b>CCTV CAMERA - CEILING MOUNTED</b> <b>CCTV CAMERA - WALL MOUNTED</b> <b>VIDEO MONITOR</b> <b>EMERGENCY PHONE - WALL MOUNTED</b> <b>EMERGENCY PHONE - BOLLARD MOUNTED</b> <b>ALARM</b>					
<b>MOTORS</b> <b>PUSHBUTTON - SINGLE</b> <b>PUSHBUTTON - DOUBLE</b> <b>PUSHBUTTON - TRIPLE</b> <b>MOTOR RATED TOGGLE SWITCH</b> <b>SWITCH / FUSE ASSEMBLY</b> <b>SWITCH / THERMAL OVERLOAD</b> <b>COMBO MOTOR STARTER / DISCONNECT SWITCH</b> <b>MOTOR</b> <b>EQUIPMENT W/ELECTRICAL CONNECTION. REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)</b> <b>NON-FUSED DISCONNECT SWITCH</b> <b>FUSED DISCONNECT SWITCH</b> <b>MOTOR STARTER</b> <b>MUSHROOM HEAD PUSHBUTTON</b> <b>EQUIPMENT CONNECTION</b>			<b>CABLING</b> <b>WIRE, CONDUIT PER SPECIFICATIONS</b> <b>WIRE IN OR BELOW SLAB OR UNDER GROUND (UG), CONDUIT PER SPECIFICATIONS</b> <b>WIRE COUNTS WHEN MORE THAN 2 WIRES IN CONDUIT PLUS GROUND</b> <b>HOME RUN</b> <b>CONDUIT SLEEVE</b> <b>CONDUIT STUB</b>								

ELECTRICAL SHEET INDEX	
E0.0	ELECTRICAL TITLE SHEET
E0.1	ELECTRICAL GENERAL NOTES
E0.2	SITE PLAN - PHOTOMETRICS
E0.3	SITE PLAN - ELECTRICAL LIGHT FIXTURES DESCRIPTIONS
E0.4	SITE PLAN - ELECTRICAL
E1.1	MAIN LEVEL PLAN - LIGHTING
E1.2	CLERESTORY LEVEL PLAN - LIGHTING
E2.1	MAIN LEVEL PLAN - POWER
E2.2	CLERESTORY LEVEL PLAN - POWER
E3.1	ELECTRICAL DETAILS
E3.2	ENERGY COMPLIANCE FORMS
E3.3	ENERGY COMPLIANCE FORMS
E4.1	ELECTRICAL SCHEDULES
E4.2	ELECTRICAL SCHEDULES
T1.1	MAIN LEVEL PLAN - TECHNOLOGY



www.htg-architects.com  
 Minneapolis Bismark

1010 Mainstreet, Suite 100  
 Hopkins, MN 55343  
 Tel: 952.278.8880

PROJECT  
 MAYO EMPLOYEES  
 FEDERAL CREDIT UNION

NEW BUILDING  
 605 WEST AVE S.  
 LA CROSSE, WI

ISSUED SET 2026-03-27  
 REVISIONS  
 DATE NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Poles  
 40887 2026-03-27  
 Reg No. Date



ELECTRICAL TITLE SHEET

Drawn By: FSB Checked By: KDM

E0.0

3392.0002  
 COPYRIGHT © HTG ARCHITECTS

## ELECTRICAL GENERAL NOTES

- ANY ELECTRICAL BOX THAT BECOMES ABANDONED DURING THE COURSE OF THE PROJECT SHALL HAVE A BLANK COVERPLATE.
- WHERE OTHER ELECTRICAL DEVICES ARE LOCATED ADJACENT TO LIGHT SWITCHES, MOUNT ALL DEVICES AT THE SAME CENTER LINE ELEVATION.
- ALIGN DEVICES VERTICALLY WHERE DEVICES OF DIFFERENT MOUNTING HEIGHTS ARE INDICATED CLOSE TO OTHER DEVICES.
- DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS IN FIELD PRIOR TO COMMENCEMENT OF WORK.
- ALL EMPTY RACEWAY SYSTEMS SHALL HAVE A PULLWIRE OR EQUAL AND SHALL BE IDENTIFIED AT ALL JUNCTION, PULL, AND TERMINATION POINTS, USING PERMANENT METALLIC TAGS. TAGS SHALL INDICATE INTENDED USE OF CONDUIT, ORIGINATOR AND TERMINATION POINTS OF EACH INDIVIDUAL CONDUIT.
- IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO ESTABLISH A STANDARD OF QUALITY. THE ENGINEER RESERVES THE RIGHT TO APPROVE METHODS AND MATERIALS NOT REFLECTED HEREIN.
- CONTRACTOR SHALL VISIT SITE PRIOR TO BID AND VERIFY THAT CONDITIONS ARE AS INDICATED. CONTRACTOR SHALL INCLUDE IN HIS BID, COSTS REQUIRED TO MAKE HIS WORK MEET EXISTING CONDITIONS.
- WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER TO THE SATISFACTION OF THE ARCHITECT.
- WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE, AND NATIONAL CODES AND ORDINANCES.
- PROVIDE PERMITS AND INSPECTIONS REQUIRED.
- GUARANTEE THE INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP WHICH MAY OCCUR UNDER NORMAL USAGE FOR A PERIOD OF ONE YEAR AFTER OWNER'S ACCEPTANCE. DEFECTS SHALL BE PROMPTLY REMEDIED WITHOUT COST TO THE OWNER.
- VERIFY THE EXACT LOCATION OF EQUIPMENT TO BE FURNISHED BY OTHERS PRIOR TO ROUGH-IN.
- SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOW THAT WORK IS DEFECTIVE, CONTRACTOR SHALL MAKE CORRECTIONS NECESSARY AT NO COST TO OWNER.
- PROVIDE EXTERIOR PULL BOXES AND HANDHOLES AS REQUIRED TO COMPLETE WORK INDICATED. SPLICES IN EXTERIOR PULL BOXES AND HANDHOLES SHALL BE MADE WATERPROOF USING "SCOTCHCAST" SPLICE KIT OR APPROVED EQUAL. SEAL ENDS OF CONDUITS AND DUCTS WITH "DUCTSEAL" OR APPROVED EQUAL.
- VERIFY EXACT LOCATIONS OF EXISTING AND NEW UNDERGROUND UTILITIES, PIPING, AND RACEWAY SYSTEMS PRIOR TO TRENCHING. PROVIDE NECESSARY TRENCHING, BACKFILL, EXCAVATION SUPPORTS, SERVICE FEEDERS (CONDUIT AND/OR WIRE), PULLBOXES, TRANSFORMER PADS, SAWCUTTING AND PATCHING, CONCRETE PAVING, ETC. REQUIRED. BACKFILL TRENCHES TO AND PATCH TO MATCH EXISTING. CONTRACTOR SHALL OBTAIN AND VERIFY EXACT UTILITY COMPANY DRAWINGS AND REQUIREMENTS. CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED PRIOR TO WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT WHICH IS DAMAGED DUE TO INCORRECT FIELD WIRING OR FACTORY WIRING IN EQUIPMENT PROVIDED BY THIS CONTRACTOR.
- CONTRACTOR'S FAILURE TO ORDER OR RELEASE ORDER FOR MATERIALS AND/OR EQUIPMENT WILL NOT BE ACCEPTED AS A REASON TO SUBSTITUTE ALTERNATE MATERIALS, EQUIPMENT, OR INSTALLATION METHODS.
- SYSTEMS SHALL BE COMPLETE, OPERABLE, AND READY FOR CONTINUOUS OPERATION. LIGHTS, SWITCHES, RECEPTACLES, MOTORS, ETC. SHALL BE CONNECTED AND OPERABLE.
- CONDUITS PENETRATING THRU ROOF SHALL BE CONSTRUCTED IN CONFORMANCE WITH ARCHITECTURAL ROOFING SECTION(S) AND "SHEET METAL FLASHING AND TRIM" SECTION 076200.
- ALL ELECTRICAL SYSTEMS COMPONENTS SHALL BE LISTED OR LABELED BY UL OR OTHER RECOGNIZED TESTING FACILITY.
- REFER TO ARCHITECTURAL CASEWORK ELEVATIONS FOR ADDITIONAL INFORMATION ON LOCATION OF ELECTRICAL DEVICES MOUNTED IN OR NEAR CASEWORK. COORDINATE MOUNTING HEIGHT AND PLACEMENT OF DEVICES DESIGNATED "AC" (ABOVE COUNTER), REPORT DISCREPANCIES TO ENGINEER PRIOR TO INSTALLATION.
- PROVIDE FIRE RATED SEALS ON PENETRATIONS IN FIRE RATED FLOORS AND WALLS. REFER TO CODE PLANS FOR RATED FLOOR AND WALL LOCATIONS.
- PROVIDE ACOUSTICAL SEALANT ON ALL WALL PENETRATIONS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR DETAILS.
- WHERE CONDUITS ARE INSTALLED EMBEDDED IN CONCRETE POURS, THE OUTSIDE DIAMETER OF THE CONDUITS SHALL NOT EXCEED 1/3 OF THE MINIMUM THICKNESS OF THE SLAB. SHALL BE SPACED NO CLOSER THAN 3 CONDUIT DIAMETERS ON CENTER, AND SHALL NOT CROSS OVER EACH OTHER. CONDUIT SHALL BE INSTALLED IN MIDDLE THIRD OF SLAB. USE APPROVED SUPPORTS FOR CONDUIT.

## LIGHTING GENERAL NOTES

- IN MECHANICAL, ELECTRICAL, AND COMMUNICATION EQUIPMENT ROOMS, CONDUIT FOR LIGHTING FIXTURES MAY BE RUN EXPOSED.
- LETTER THIS: "A" - INDICATES TYPE OF LIGHTING FIXTURES. REFER TO LIGHTING FIXTURE TYPES AS NOTED ON THE LIGHTING FIXTURE SCHEDULE. CIRCUIT INDICATED THIS: "AXX" WHERE "XX" INDICATES CIRCUIT NUMBER.
- COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF FIXTURES IN MECHANICAL ROOMS WITH DUCTS, PIPES, AND EQUIPMENT. MOUNT FIXTURES BELOW DUCTS AND PIPES AND AVOID MOUNTING FIXTURES OVER EQUIPMENT. SUPPORT FIXTURES INDEPENDENTLY OF DUCTS, PIPES, AND EQUIPMENT.
- LIGHT SWITCHES SHALL BE MOUNTED ON LATCH SIDE OF DOOR WITHIN 12" OF DOOR/SIDE LIGHT FRAMING, UNLESS NOTED OTHERWISE. LIGHT SWITCHES INSTALLED ADJACENT TO DOOR SWINGS SHALL BE MOUNTED CLEAR OF DOOR SWING AND WITHIN 12" OF DOOR IN OPEN POSITION. COORDINATE LOCATION WITH OTHER WALL DEVICES.
- COORDINATE ALL LIGHTING LOCATIONS WITH MECHANICAL DUCTWORK AND PIPING PRIOR TO INSTALLATION.
- UNLESS SPECIFICALLY NOTED, REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR EXACT EXTERIOR FIXTURE MOUNTING HEIGHTS AND LOCATIONS.
- REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES AND DEVICES.
- MOUNT ALL EXIT LIGHTS DIRECTLY ABOVE DOOR 1'-0" FROM TOP OF OPENING, WHEREVER POSSIBLE. WHERE CEILINGS ARE 10'-0" OR BELOW, MOUNT IN CEILING ABOVE DOOR. REFER TO DETAIL SHEETS FOR TYPICAL EXIT SIGN MOUNTING.
- MOUNTING HEIGHTS SHOWN FOR WALL MOUNTED FIXTURES ARE TO CENTER. MOUNTING HEIGHTS SHOWN FOR PENDANT FIXTURES ARE TO BOTTOM OF FIXTURE.
- OCCUPANCY SENSORS SHALL CONTROL ALL LIGHTS IN ROOM SERVED, UNLESS NOTED OTHERWISE. ELECTRICAL CONTRACTOR TO PROVIDE RELAY PACKS AS REQUIRED FOR DIFFERENT VOLTAGES, CIRCUITS, AND DIMMER CONTROLLED LIGHTS. REFER TO DETAIL SHEETS FOR OCCUPANCY SENSOR WIRING.
- DO NOT SHARE NEUTRALS ON LIGHTING CIRCUITS.
- RECESSED LIGHT FIXTURES INSTALLED IN GYP BOARD OR PLASTER CEILINGS SHALL HAVE PLASTER FRAMES INSTALLED PRIOR TO CEILING MATERIAL.
- RECESSED FIXTURES INSTALLED INDOORS AND IN POTENTIAL CONTACT WITH INSULATION SHALL BE THERMALLY PROTECTED (IC RATED).
- VERIFY TYPE OF CEILING CONSTRUCTION FOR PROPER MOUNTING OF ALL RECESSED LIGHT FIXTURES. INSTALLATION OF LIGHT FIXTURES SHALL COMPLY WITH ALL INTERNATIONAL BUILDING CODE REQUIREMENTS.
- PROVIDE TWO INDEPENDENT SUPPORTS FOR ALL RECESSED LIGHT FIXTURES.
- FIXTURES INDICATED AS BEING ON EMERGENCY SHALL BE PROVIDED WITH SELF-CONTAINED BATTERY POWERED INVERTER UNIT FOR DIRECT MOUNTING IN FIXTURE, UNLESS NOTED OTHERWISE. BATTERY SHALL OPERATE FIXTURE FOR A MINIMUM OF 90 MINUTES. ROUTE UNSWITCHED HOT TO FIXTURE.
- ALL LIGHTING FIXTURES LOCATED SO AS TO DISRUPT A FIRE RATED CEILING ARE TO BE ENCLOSED OR SURROUNDED IN A FIRE PROTECTION MATERIAL AND FIBER BOARD. PROTECTION MATERIAL IS TO BE INSTALLED AS PER THE FIRE RESISTANCE INDEX. VERIFY WITH ARCHITECTURAL DRAWINGS THE HOUR RATINGS AND TYPE OF CEILINGS TO BE USED.
- INTERIOR LIGHTING VACANCY AND OCCUPANCY SENSORS SHALL OPERATE WITH A 20 MINUTE DELAY OR LESS.

## POWER GENERAL NOTES

- VERIFY LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGH-IN. SEE MECHANICAL DRAWINGS FOR LOCATION OF MECHANICAL EQUIPMENT. PROVIDE SERVICE TO AND CONNECT EQUIPMENT AS REQUIRED.
- ELECTRICAL CONTRACTOR SHALL PROVIDE CONTROLS, INTERLOCKS, ACCESSORIES, ETC., IN MOTOR CONTROL STARTERS AS REQUIRED BY THE TEMPERATURE CONTROL CONTRACTOR. STARTERS SHALL CONTAIN 120V CONTROL TRANSFORMER, PILOT LIGHT, AND PUSHBUTTONS OR SELECTOR SWITCH AS REQUIRED. IN ADDITION TO OTHER ITEMS (AUXILIARY CONTACTS, DOOR SWITCHES, RELAYS, ETC.) REQUIRED, SUBMIT ELEMENTARY CONTROL DIAGRAMS FOR APPROVAL. SUBMITTALS SHALL INCLUDE INDICATION OF PRIOR REVIEW AND ACCEPTANCE BY TEMPERATURE CONTROL CONTRACTOR. REFER TO MECHANICAL DRAWINGS AND TEMPERATURE CONTROL DIAGRAMS FOR ADDITIONAL CONDUIT, WIRE, RELAYS, TRANSFORMERS, CONNECTIONS, ETC. REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- INTERRUPTING RATINGS NOTED IN SCHEDULES SHALL APPLY TO ENTIRE PANELBOARD AND/OR SWITCHBOARD. ALL EQUIPMENT COMPRISING PANELS AND/OR SWITCHBOARDS SHALL BE FULLY RATED FOR SHORT CIRCUIT CURRENT NOTED.
- PROVIDE ENGRAVED NAMEPLATES ON SWITCHBOARDS, PANELBOARDS, DISCONNECT SWITCHES, MOTOR CONTROL CENTERS, TRANSFORMERS, ETC., INDICATING EQUIPMENT DESIGNATION (OR DESIGNATION OF EQUIPMENT SERVED) AND VOLTAGE.
- FINAL CONNECTIONS 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 EQUIPMENT ACTUALLY SUPPLIED.
- ADJUST MOUNTING HEIGHTS OF ALL OUTLETS IF REQUIRED SO AS NOT TO INTERFERE WITH RADIATION. VERIFY CHANGES WITH ENGINEER.
- PANEL DIRECTORIES SHALL BE REMOVABLE. SUBMIT PROPOSED SCHEDULE OF DIRECTORIES TO OWNER FOR APPROVAL. ROOM NAMES AND NUMBERS SHALL BE AS DIRECTED BY OWNER. DIRECTORIES SHALL BE TYPED AND INSTALLED UNDER CLEAR PLASTIC COVERS.
- ALL WIRING SHALL BE INSTALLED IN LISTED METALLIC RACEWAYS. RACEWAYS IN SLAB-ON-GRADE OR BELOW GRADE SHALL BE SCHEDULE 40 PVC. TRANSITIONS FROM BELOW TO ABOVE GRADE SHALL BE WITH RIGID STEEL ELBOWS WITH PVC JACKET OR PROVIDED EQUAL PROTECTION. EMT FITTINGS SHALL BE MALLEABLE IRON OR STEEL. CONNECTORS SHALL BE INSULATED THROAT TYPE.
- ALL BRANCH CIRCUIT AND FEEDER CONDUITS SHALL HAVE A CODE SIZED COPPER GROUNDING CONDUCTOR. INCREASE CONDUIT SIZE AS REQUIRED.
- FINAL CONNECTIONS TO MOTORS, TRANSFORMERS, AND OTHER VIBRATING EQUIPMENT SHALL BE WITH LIQUIDTIGHT FLEX METAL CONDUIT AND FITTINGS. DO NOT SECURE CONDUITS, DISCONNECTS, OR DEVICES TO DUCTWORK OR MECHANICAL EQUIPMENT.
- BRANCH CIRCUITS RATED 120V, LONGER THAN 75'(CONDUCTOR LENGTH) SHALL BE A MINIMUM WIRE SIZE OF #10 (LINE, NEUTRAL, AND GROUND) THROUGHOUT.
- PULLBOXES, CABINETS, ETC. MOUNTED ON THE EXTERIOR AT GRADE LEVEL, SHALL BE WEATHERPROOF TYPE WITH HINGED LOCKABLE COVERS SECURED WITH TAMPERPROOF SCREWS.
- DO NOT SHARE NEUTRALS, EXCEPT ON BREAKERS WITH HANDLE TIES. MULTIWIRE BRANCH CIRCUITS SHALL HAVE HANDLE TIES PER NEC 210. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HANDLE TIED BREAKERS.
- POWER RECEPTACLES SHALL BE MOUNTED AT THE SAME ELEVATION AND WITHIN 12" OF THE ADJACENT DATA OR TV ROUGH-IN. REFER TO SYSTEMS PLANS FOR LOCATIONS.
- PROVIDE INSULATED BUSHINGS OVER CONDUIT ENDS AT ROUGH-IN AND CONDUIT SLEEVE LOCATIONS PRIOR TO INSTALLATION OF ANY CABLING.
- PROVIDE 120V POWER TO EACH SMOKE, FIRE/SMOKE DAMPER. COORDINATE WITH MECHANICAL FOR EXACT DAMPER LOCATIONS.
- COORDINATE UNDERGROUND CONDUIT INSTALLATION WITH FOOTING ELEVATIONS. CUTTING AND/OR DRILLING THROUGH FOOTINGS IS NOT ACCEPTABLE. SEE STRUCTURAL DETAILS FOR FOOTING ELEVATIONS. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC, UNLESS NOTED OTHERWISE.
- PROVIDE 1" C. FOR EACH FLOOR BOX POWER BRANCH CIRCUIT FEEDER, UNLESS NOTED OTHERWISE. VERIFY LOCATION OF ALL FLOOR BOXES AND FLOOR OUTLETS WITH ARCHITECT PRIOR TO ROUGH-IN.
- ELECTRICAL REQUIREMENTS AND RATINGS FOR MECHANICAL EQUIPMENT ARE INDICATED IN THE MOTOR SCHEDULES. EQUIPMENT LOCATIONS ARE INDICATED ON DRAWINGS FOR COORDINATION PURPOSES. COORDINATE EXACT LOCATIONS WITH MECHANICAL.
- DISCONNECTS AND/OR TOGGLE SWITCHES FOR EQUIPMENT SHALL NOT BE MOUNTED DIRECTLY TO THE EQUIPMENT. PROVIDE INDEPENDENT SUPPORT.
- ALL JUNCTION BOXES SHOWN SHALL BE 4"x4" WITH SINGLE GANG MUDRING, UNLESS INDICATED OTHERWISE.
- ALL EXTERIOR RATED WEATHERPROOF GFCI RECEPTACLES SHALL BE MOUNTED AT 24" AFF UNLESS NOTED OTHERWISE. PROVIDE HEAVY DUTY WET LOCATION WHILE IN USE COVER.
- PROVIDE SELF ADHESIVE IDENTIFICATION INSIDE COVER OF EACH FUSIBLE SWITCH, INDICATING SIZE AND TYPE OF FUSES PROVIDED.

## SPECIAL SYSTEM GENERAL NOTES

- ALL LOW-VOLTAGE SYSTEM CONDUITS SHALL HAVE LONG RADIUS SWEEPS.
- PROVIDE 2-GANG J-BOX WITH SINGLE GANG MUDRING AND BLANK COVER PLATE FOR DATA, VOICE, AND TV LOCATIONS. ROUTE 1" C. UP INTO CONCEALED ACCESSIBLE CEILING SPACE. PROVIDE NYLON BUSHINGS AND PULL STRINGS.
- DATA AND TV ROUGH-INS SHALL BE MOUNTED AT THE SAME ELEVATION AND WITHIN 12" OF THE ADJACENT POWER RECEPTACLE. REFER TO POWER PLANS FOR LOCATIONS.
- PROVIDE INSULATED BUSHINGS OVER CONDUIT ENDS AT ROUGH-IN AND CONDUIT SLEEVE LOCATIONS PRIOR TO INSTALLATION OF ANY CABLING.
- DEVICES INSTALLED IN THE CEILING GRID SHALL BE CENTERED IN THE TILE. CORRIDOR DEVICES SHALL BE MOUNTED IN A STRAIGHT LINE AS SHOWN ON PLANS.
- LOCATE SMOKE DETECTORS AND SMOKE ALARMS AT LEAST 3' FROM SUPPLY AIR DIFFUSERS.
- PROVIDE CIRCUIT BREAKER "LOCK-ON" DEVICES FOR FACP AND NAC CIRCUITS(S).
- ALL WALL PENETRATIONS FOR FIRE ALARM WIRING SHALL BE IN CONDUIT. FIRE ALARM CONTRACTOR SHALL NOT INSTALL FIRE ALARM CABLING IN SLEEVES FOR OTHER LOW-VOLTAGE SYSTEMS.
- PROVIDE 1" C. TO EACH FLOOR BOX DATA/PHONE OR TV OUTLET SHOWN (FOR EACH SYMBOL). ROUTE TO NEAREST WALL AND UP INTO CONCEALED ACCESSIBLE CEILING SPACE. PROVIDE NYLON BUSHINGS AND PULL STRING IN CONDUIT.
- COORDINATE LOCATIONS OF ALL DEVICES WITH WALL FINISHES. DO NOT INSTALL IN MIRRORS. REFER TO ARCHITECTURAL ELEVATIONS.
- ALL LOW-VOLTAGE CABLING SHALL BE CONCEALED IN ACCESSIBLE CEILINGS, RACEWAY, OR CABLE TRAYS.
- COORDINATE CABLE TRAY ROUTING WITH ALL TRADES. MAINTAIN 6" SEPARATION FROM LIGHT FIXTURE BALLAST DRIVERS. REFER TO CABLE TRAY DETAILS FOR WALL PENETRATIONS.
- PROVIDE 2-GANG J-BOX WITH 2-GANG MUDRING AND BLANK COVER PLATE FOR 1MM TYPE DATA BOXES. ROUTE (2) 1 1/2" C. UP INTO CONCEALED ACCESSIBLE CEILING SPACE. PROVIDE NYLON BUSHINGS AND PULL STRING IN CONDUITS. SEE SPECIFICATIONS FOR MORE INFORMATION.
- PROVIDE BLANK 4-POSITION FACEPLATE FOR ALL DATA OUTLET LOCATIONS WITH A "0" DESIGNATION FOR CABLE QUANTITIES.
- CABLES SHALL BE SUPPORTED FROM STRUCTURE VIA APPROVED J-HOOKS SPECIFIED WHERE NO CABLE TRAY IS PRESENT.
- VINYL TIE STRAPS ARE PROHIBITED THROUGHOUT. UTILIZE VELCRO TIE STRAPS TO BUNDLE CABLES THROUGHOUT THE FACILITY.
- CABLE ENDS (INSIDE BOX AND AT BACK OF PATCH PANELS) SHALL BE LABELED. SEE SPECIFICATIONS. FACEPLATES AND PATCH PANELS FACES SHALL ALSO BE LABELED.
- CONTRACTOR SHALL PROVIDE LADDER RACK IN EACH DATA CLOSET. THE LAYOUTS SHOWN ARE DIAGRAMATIC ONLY AND SHALL BE THE MINIMUM LEVEL. ACCESSORIES SUCH AS RADIUS CURVES, SUPPORTS, WATERFALLS, ETC. ARE NOT SHOWN, BUT SHALL BE INCLUDED. PROVIDE ADDITIONAL LADDER RACK TO SUPPORT CABLES AS REQUIRED.
- SEE TECHNOLOGY RISERS FOR MORE INFORMATION ABOUT TECHNOLOGY ROOM LAYOUTS.
- BACKBONE CABLING SHALL BE INSTALLED IN DEDICATED PATHWAYS. DO NOT INSTALL UTP AND OTHER CABLES WITH BACKBONE CABLES WHEN IN CONDUIT. BACKBONE AND OTHER CABLES CAN SHARE CABLE TRAY AND LADDER RACK.
- FIRE ALARM SYSTEM CONTRACTOR SHALL PROVIDE DEVICES, CONDUIT, WIRES, AND CABLE AS DIRECTED BY EQUIPMENT MANUFACTURER, MATERIALS, EQUIPMENT, AND WORKMANSHIP SHALL MEET PREVAILING CODES. THE SYSTEM SHALL BE COMPLETE AND OPERABLE IN EVERY RESPECT.
- TELEVISION SYSTEM CONTRACTOR SHALL PROVIDE ALL CONDUIT, AND J-BOXES (MINIMUM TWO-GANG) FOR A COMPLETE RACEWAY SYSTEM. CONDUIT SHALL BE A MINIMUM OF 3/4" UNLESS NOTED. TV OUTLETS, CABLE, AMPLIFIERS, SPLITTERS, ANTENNA WITH MAST, ETC., BY OTHERS.
- SECURITY SYSTEM CONTRACTOR SHALL PROVIDE ALL CONDUIT, AND J-BOXES (MINIMUM TWO-GANG) FOR A COMPLETE RACEWAY SYSTEM. CONDUIT SHALL BE A MINIMUM OF 3/4" UNLESS NOTED. SECURITY SYSTEM CONTRACTOR SHALL INSTALL SECURITY PANELS, CAMERAS, WIRE, SECURITY DEVICES, ETC.



www.htg-architects.com  
Minneapolis Bismark

1010 Mainstreet, Suite 100  
Hopkins, MN 55343  
Tel: 952.278.8880

## PROJECT

## MAYO EMPLOYEES FEDERAL CREDIT UNION

## NEW BUILDING 605 WEST AVE S. LA CROSSE, WI

ISSUED SET 2026-03-27

REVISIONS

DATE	NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fuls  
40887 2026-03-27  
Reg No. Date



Emanuelson-Podas, Inc.  
7703 Sun Lake Road  
Edina, MN 55425  
(952) 930-0050 | www.epcinc.com

## ELECTRICAL GENERAL NOTES

Drawn By: FSB Checked By: KDM

# E0.1

3392.0002  
COPYRIGHT © HTG ARCHITECTS



www.htg-architects.com  
Minneapolis Bismarck

1010 Mainstreet, Suite 100  
Hopkins, MN 55343  
Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES  
FEDERAL CREDIT UNION

NEW BUILDING  
605 WEST AVE S.  
LA CROSSE, WI

ISSUED SET 2026-03-27

REVISIONS

DATE NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fuls  
40887 2026-03-27  
Reg No. Date



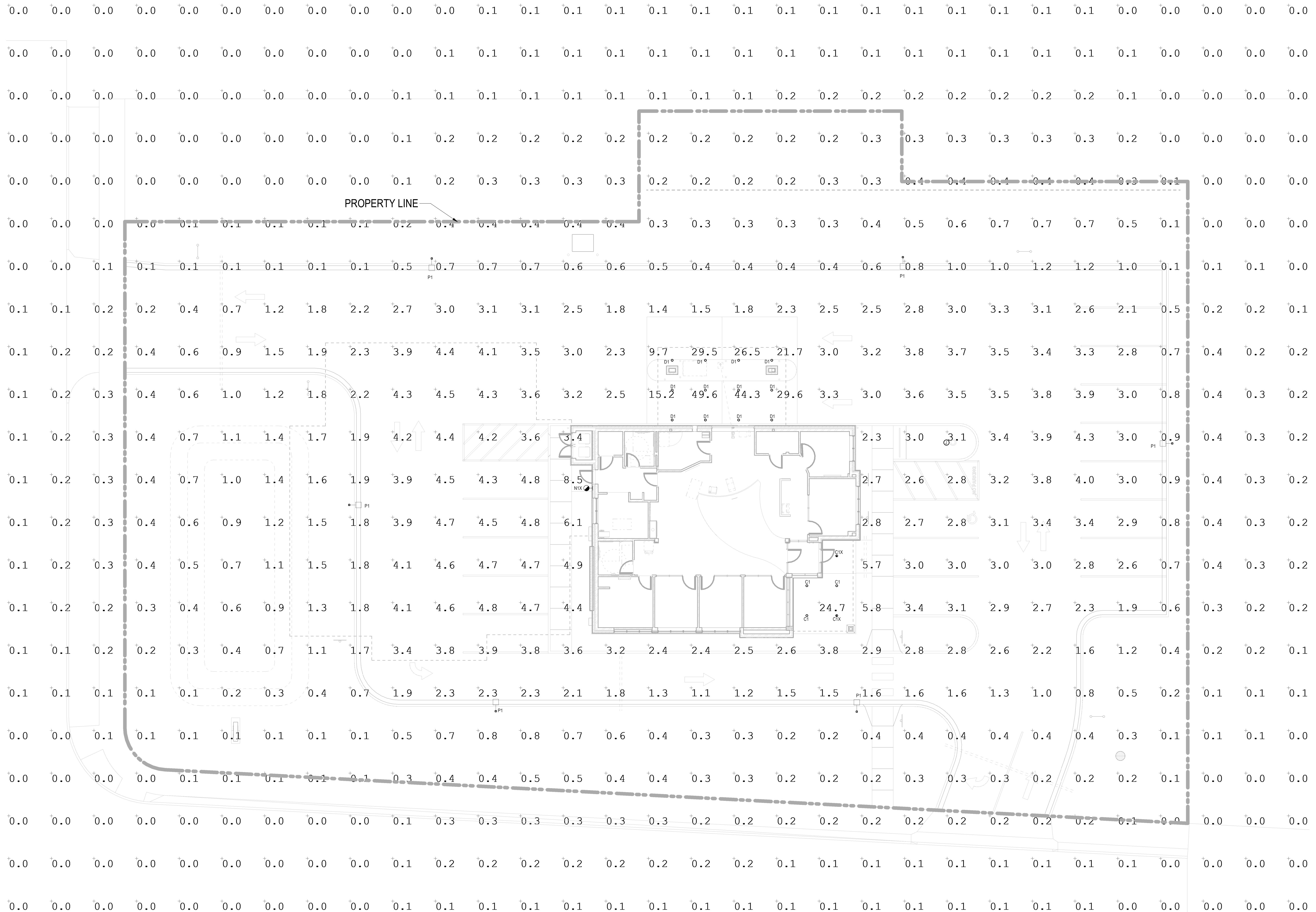
Emanuelson-Podas, Inc.  
7705 Sun Lake Road  
Edina, MN 55425  
(952) 930-0050 | www.epinc.com

SITE PLAN -  
PHOTOMETRICS

Drawn By: FSB Checked By: KDM

E0.2

3392.0002  
COPYRIGHT © HTG ARCHITECTS



Autodesk Desc 3392.0002 Mayo FFCU - Licensee W/Manya FFCU - Licensee WI MEP 2026.rvt  
3/26/2026 7:16:20 PM





## PROJECT

### MAYO EMPLOYEES FEDERAL CREDIT UNION

### NEW BUILDING 605 WEST AVE S. LA CROSSE, WI

ISSUED SET 2026-03-27

REVISIONS

DATE NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fuls

40887 2026-03-27

Reg No. Date



Emanuelson-Podas, Inc.  
 7703 Squ Lake Road  
 Eden, WI 53121

(920) 930-0050 | www.epcinc.com

## MAIN LEVEL PLAN - LIGHTING

Drawn By: FSB Checked By: KDM

# E1.1

### GENERAL NOTES:

- ALL EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE FED FROM AN UNSWITCHED HOT CONDUCTOR.
- ALL NORMAL CIRCUITING TO BE FED FROM PANEL A UNLESS NOTED OTHERWISE. CONTRACTOR TO DETERMINE BEST ROUTE FOR CONDUIT AND WIRING.
- CONTRACTOR SHALL COMPLETE AND SUBMIT LIGHTING UTILITY REBATE APPLICATIONS IF AVAILABLE WITH UTILITY. COORDINATE ALL LIGHTING REBATES WITH OWNER.
- WHERE EXACT HEIGHTS ARE NOTED VERIFY WITH THE ARCHITECT PRIOR TO INSTALLATION.

### KEY NOTES:

- SECURITY FIXTURE. DO NOT SWITCH. IN AREAS WITH DIMMING CONTROL CONNECT 0-10V CONTROL WIRES TO FIXTURE DRIVER FOR EQUAL LEVEL CONTROL. WHEN POWER IS OFF TO ASSOCIATED SWITCH-LEG THIS FIXTURE SHALL COME TO FULL ILLUMINATION. PROVIDE RELAY TO OPEN 0-10V CONTROL WIRES AS REQUIRED.
- ROUTE THROUGH LIGHTING CONTROL RELAYS.
- PROVIDE CONNECTION TO EXTERIOR BUILDING SIGNAGE. LETTERS WILL BE INDIVIDUALLY LIT. CONFIRM EXACT REQUIREMENTS AND LOCATIONS.
- PROVIDE (1) SPOT CENTER OFF SWITCHES (OCa) FOR CONTROL OF OPEN/CLOSE SIGN. PROVIDE ENGRAVED LABEL ON SWITCH PLATE WITH SPECIFIC LOAD.
- LIGHTING CONTROL PANEL. SEE CONTROL SCHEDULE AND SPECIFICATION FOR REQUIREMENTS.
- LIGHTING CONTROL STATION. EACH BUTTON SHALL HAVE PRINTED BLACK ON CLEAR LABEL WITH LOAD DESCRIPTION. AT MULTI-STATION LOCATIONS MOUNT ALL UNDER SHARED COVER PLATE.
- PROVIDE EMERGENCY INVERTER SURE-LITE #MM-350 OR EQUAL AND MOUNT IN ACCESSIBLE LOCATION FOR EMERGENCY OPERATION OF TYPE 'B' LIGHT FIXTURES.
- PROVIDE DMX/RGBW CONTROLLER FOR EXTERIOR COLOR CHANGING TAPE LIGHTING 'J1'SWITCH-LEG 'oh1'. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.
- MOUNT LED TAPE IN BOTTOM SIDE OF ROOF EAVE TO WASH DOWN SIDE OF BUILDING. CUT FIXTURE TO LENGTH. MOUNT POWER SUPPLY IN NEAREST CONCEALED ACCESSIBLE CEILING SPACE.
- PROVIDE OCCUPANCY SENSOR WITH AUXILIARY CONTACT TO CONTROL CONVENIENCE RECEPTACLES IN SPACE. REFER TO POWER PLAN FOR RECEPTACLE LOCATIONS.



LIGHTING CONTROL SUMMARY	
<b>GENERAL NOTES:</b>	
1. IF NO CONTROL STRATEGY IS LISTED, LIGHTING CONTROLS SHALL BE MANUAL LINE VOLTAGE (WITH 0-10 V DIMMING, WHERE SHOWN) AND CONTAIN NO AUTOMATIC FUNCTION.	
2. SEE PLANS FOR TYPE, LOCATION AND QUANTITY OF SENSORS.	
3. TIME SCHEDULES SHALL BE DEFINED BY THE OWNER. PROVIDE A COORDINATION MEETING WITH THE OWNER TO DETERMINE SCHEDULES.	
4. ALL LIGHTING CONTROLS SHALL BE COMMISSIONED. SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.	
5. THE TYPICAL SPACES LISTED IN EACH SEQUENCE ARE NOT INTENDED TO BE ALL INCLUSIVE, OR EXCLUSIVE TO ANY SPACE AND ARE LISTED AS GENERAL REFERENCE ONLY.	
6. ADDITIONAL BUTTONS ARE PERMITTED TO COMPLY WITH THE CONTROL REQUIREMENTS LISTED BELOW.	
<b>LCA</b>	
OCC SENSOR FUNCTION:	OCCUPANCY, 100% ON / OFF
TIME SWITCH FUNCTION:	NONE
MANUAL LTG CONTROL:	NONE
DAYLIGHT RESPONSE:	NONE
TYPICAL SPACES:	CORRIDOR
<b>LC-B</b>	
OCC SENSOR FUNCTION:	VACANCY, MANUAL ON / AUTO OFF (CEILING OR SWITCH MOUNT SENSOR AS SHOWN)
TIME SWITCH FUNCTION:	NONE
MANUAL LTG CONTROL:	2-BUTTON ON / OFF
DAYLIGHT RESPONSE:	NONE
TYPICAL SPACES:	STORAGE ROOM / PRIVATE RESTROOM
<b>LC-C</b>	
OCC SENSOR FUNCTION:	VACANCY, MANUAL ON / AUTO OFF (CEILING OR SWITCH MOUNT SENSOR AS SHOWN)
TIME SWITCH FUNCTION:	NONE
MANUAL LTG CONTROL:	2-BUTTON ON / OFF & RAISE / LOWER WITH 0-10V DIMMING
DAYLIGHT RESPONSE:	CLG MTD PHOTOCELL OR INTEGRAL TO WALL BOX DIMMER AS INDICATED, CONTINUOUS DIMMING
TYPICAL SPACES:	PRIVATE OFFICE WITH DAYLIGHT
<b>LC-D</b>	
OCC SENSOR FUNCTION:	VACANCY, MANUAL ON / AUTO OFF (CEILING OR SWITCH MOUNT SENSOR AS SHOWN)
TIME SWITCH FUNCTION:	NONE
MANUAL LTG CONTROL:	2-BUTTON ON / OFF & RAISE / LOWER WITH 0-10V DIMMING
DAYLIGHT RESPONSE:	NONE
TYPICAL SPACES:	PRIVATE OFFICE WITHOUT DAYLIGHT
<b>LC-E</b>	
OCC SENSOR FUNCTION:	NONE
TIME SWITCH FUNCTION:	SCHEDULE ON DURING BUSINESS HOURS
MANUAL LTG CONTROL:	PRESET STATION W/ RAISE/LOWER CONTROL, DIMMERS PER ZONE
DAYLIGHT RESPONSE:	CEILING MOUNTED PHOTOCELL, CONTINUOUS DIMMING IN DAYLIT ZONE (WHERE PRESENT)
TYPICAL SPACES:	TELLER, WAITING, WORK AREA, CLERESTORY
<b>LC-F</b>	
OCC SENSOR FUNCTION:	OCCUPANCY, AUTO ON TO 50% / AUTO OFF (CEILING OR SWITCH MOUNT SENSOR AS SHOWN)
TIME SWITCH FUNCTION:	NONE
MANUAL LTG CONTROL:	PRESET STATION W/ RAISE/LOWER CONTROL, DIMMERS PER ZONE
DAYLIGHT RESPONSE:	NONE
TYPICAL SPACES:	CONFERENCE ROOM
<b>LC-G</b>	
OCC SENSOR FUNCTION:	OCCUPANCY, 100% ON / OFF
TIME SWITCH FUNCTION:	SCHEDULE ON DURING BUSINESS HOURS AFTER FIRST OCCUPANCY ACTIVATION, OCCUPANCY FOR 20 MINUTES AFTER HOURS.
MANUAL LTG CONTROL:	PRESET STATION W/ RAISE/LOWER CONTROL, DIMMERS PER ZONE
DAYLIGHT RESPONSE:	CEILING MOUNTED PHOTOCELL, CONTINUOUS DIMMING IN DAYLIT ZONE (WHERE PRESENT)
TYPICAL SPACES:	VESTIBULE

## 1 MAIN LEVEL PLAN - LIGHTING

SCALE: 3/16" = 1'-0"





**PROJECT**

**MAYO EMPLOYEES  
FEDERAL CREDIT UNION**

**NEW BUILDING  
605 WEST AVE S.  
LA CROSSE, WI**

ISSUED SET 2026-03-27

REVISIONS

DATE NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fuls

40887 2026-03-27

Reg No. Date



Emanuelson-Podas, Inc.  
7705 Bush Lake Road  
Edina, MN 55425  
(952) 930-0550 | www.epcinc.com

**MAIN LEVEL PLAN - POWER**

Drawn By: FSB Checked By: JDM

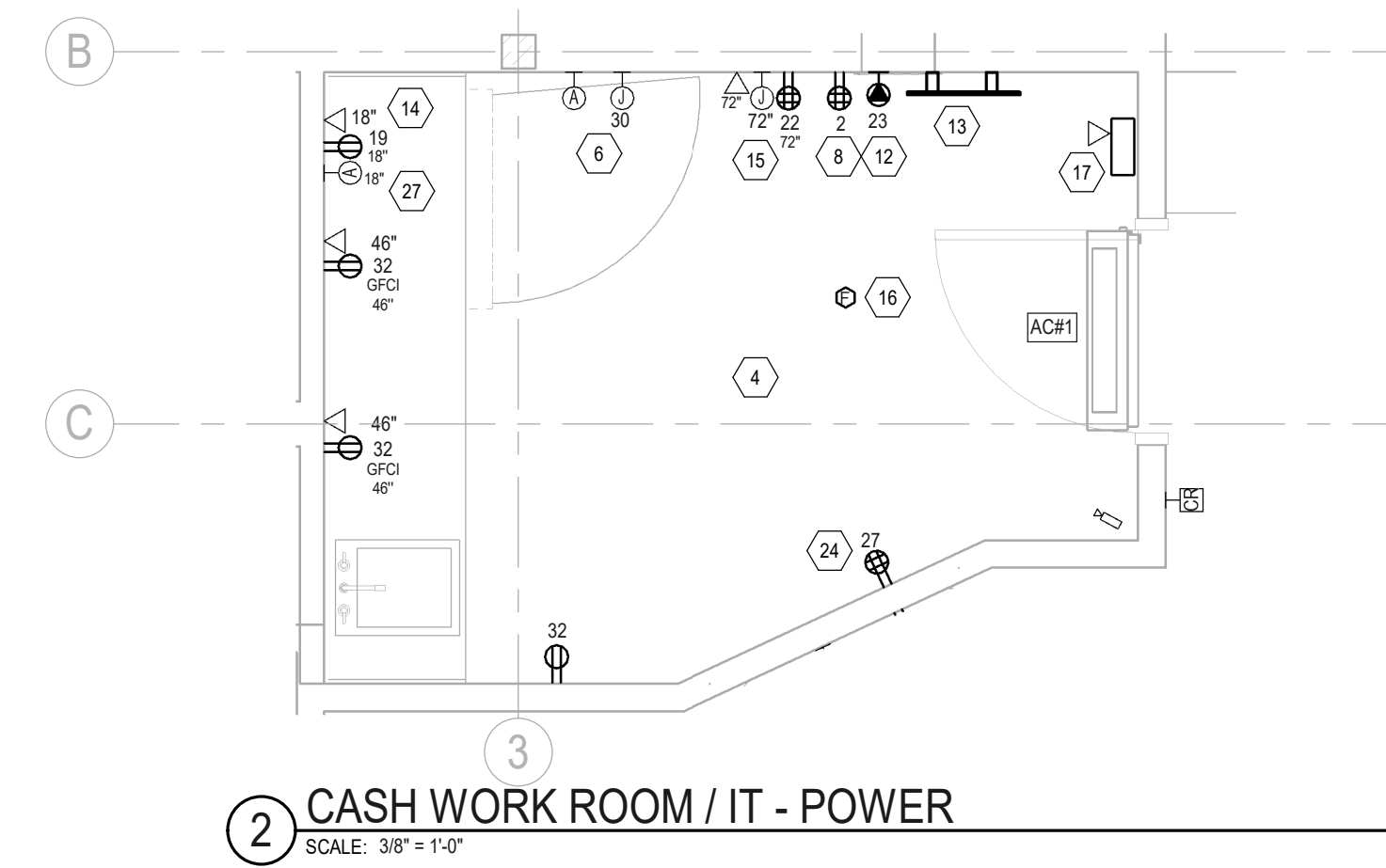
**E2.1**

**GENERAL NOTES:**

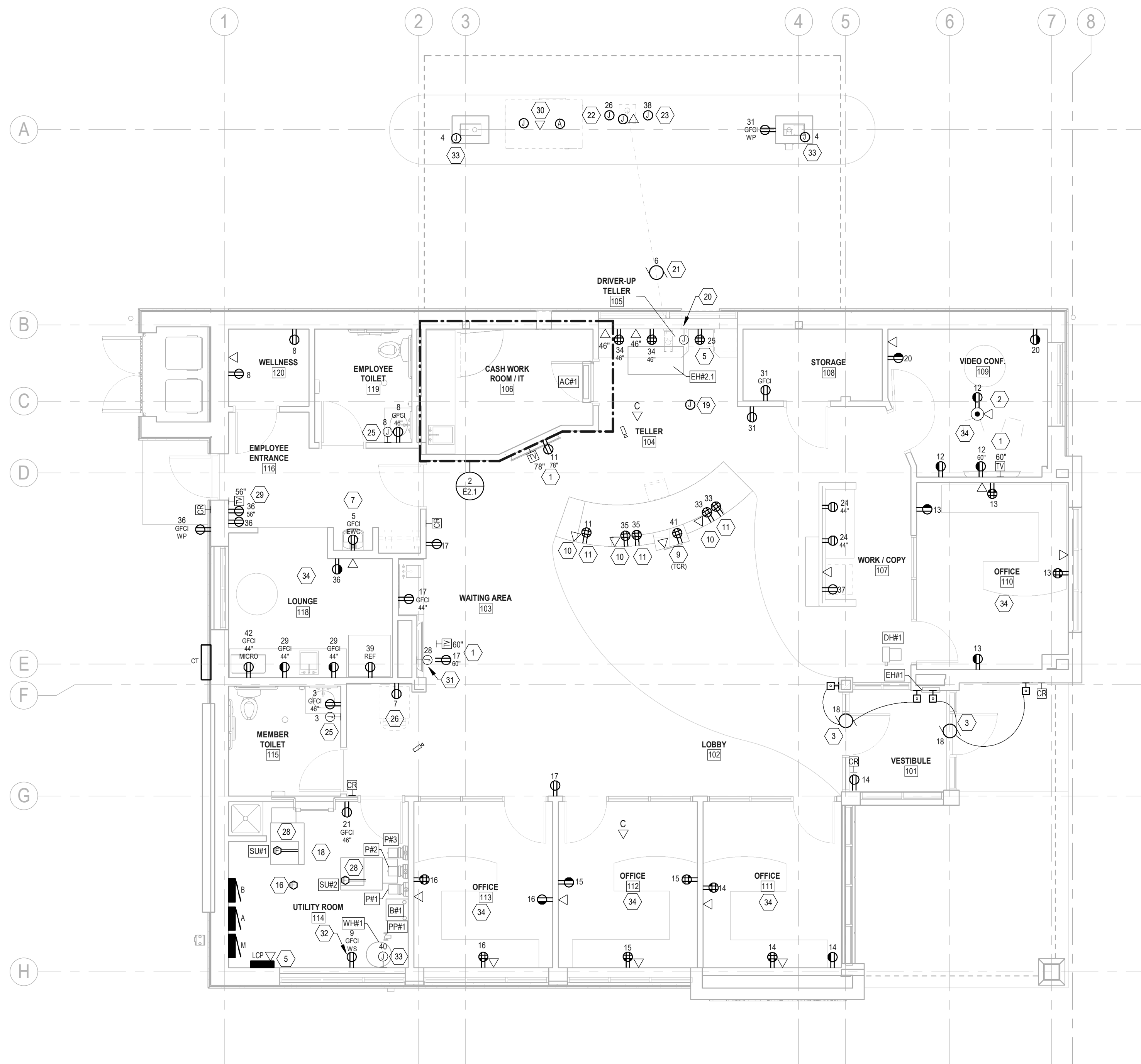
- A. FROM EACH VOICE DATA AND TV OUTLET PROVIDE TWO GANG BOX W/ SINGLE GANG MIDDING AND (1) 1" CONDUIT STUBBED INTO CONCEALED ACCESSIBLE CEILING SPACE.
- B. FROM EACH ALARM ROUGH-IN PROVIDE J-BOX AND ROUTE (1) 3/4" CONDUIT TO ALARM HEADEND LOCATION. COORDINATE LOCATION WITH SECURITY VENDOR.
- C. SEE MOTOR CONNECTION SCHEDULE FOR MECHANICAL EQUIPMENT CONNECTIONS. SEE MECHANICAL PLANS FOR EXACT EQUIPMENT LOCATIONS.
- D. EXACT LOCATION OF ELECTRICAL DEVICES MUST BE VERIFIED WITH FURNITURE SYSTEMS ACTUALLY BEING SUPPLIED BY THE OWNER SO AS NOT TO OCCUR BEHIND BASE UNITS. DO NOT USE ELECTRICAL PLANS FOR DIMENSIONING FURNITURE SYSTEM SUPPLIER TO PROVIDE DIMENSIONS/LOCATIONS. TYPICAL ALL FURNITURE LOCATIONS.

**KEY NOTES:**

1. FLAT PANEL TV ROUGH-IN PROVIDE ARLINGTON MODEL TVBSS07 W/DFR3C BLANK COVER OR EQUAL RECESSED BOX FOR POWER AND TV ROUGH-IN. PROVIDE CONTINUOUS COVER PLATE FOR DEVICES. PROVIDE BLANK INSERTS IN ANY UNUSED SECTIONS. ROUTE (1) 1" CONDUIT INTO CONCEALED ACCESSIBLE CEILING SPACE FOR LOW VOLTAGE CABLING. COORDINATE EXACT LOCATION AND HEIGHT PRIOR TO ROUGH-IN. ADJACENT RECEPTACLE DEVOTED "TV" SHALL BE MOUNTED WITHIN THE SAME BOX.
2. PROVIDE FLUSH TYPE STEEL ON-GRADE RATED FLOOR BOX. EXACT LOCATION OF FLOOR OUTLET MUST BE VERIFIED WITH ARCHITECT. WIREMOLD RFBMR30 W/FPBTOX COVER OR EQUAL. ARCHITECT SHALL CHOOSE ANY AVAILABLE FINISH DURING SHOP DRAWING REVIEW. PROVIDE (2) REBARDED BRACKETS FOR LOW VOLTAGE DEVICES. ROUTE (1) 1" BUSHED CONDUIT FOR DATA/TELEPHONE TO TV WALL BOX FOR CABLING PROVIDED BY OTHERS.
3. ELECTRICAL DOOR OPERATOR. WIRE TWO REMOTE PUSH-BUTTONS AND CONTROLLER. VERIFY ALL LOCATIONS AND REQUIREMENTS WITH GENERAL CONTRACTOR/ARCHITECT.
4. CONFIRM EXACT ROOM LAYOUT WITH OWNER PRIOR TO INSTALLING ROUGH-INS.
5. PROVIDE CONNECTION TO ELECTRIC DEAL DRAWER. COORDINATE EXACT REQUIREMENTS.
6. PROVIDE CONNECTION TO NIGHT DEPOSIT. CONFIRM EXACT REQUIREMENTS WITH BANK EQUIPMENT SUPPLIER.
7. RECEPTACLE FOR ELECTRIC WATER COOLER. MOUNT SO RECEPTACLE IS CONCEALED BEHIND BOTTOM ACCESS PANEL. FEED FROM GFCI CIRCUIT BREAKER AND LABEL RECEPTACLE.
8. PROVIDE RECEPTABLES FOR DATA RACK. COORDINATE EXACT LOCATIONS WITH OWNER.
9. PROVIDE CONNECTION FOR TCR. VERIFY EXACT LOCATION.
10. MOUNT RECEPTABLES WITHIN CABINET. COORDINATE EXACT LOCATIONS WITH GENERAL CONTRACTOR.
11. CONDUIT FOR POWER AND LOW VOLTAGE CABLING AT MILLWORK SHALL BE CONCEALED. IF CONCEALED ROUTING IS NOT FEASIBLE CONDUIT SHALL BE EMT. SURFACE ROUTED MC CABLE IS NOT ACCEPTABLE. PAINT CONDUIT AND BOXES TO MATCH SURFACE.
12. PROVIDE CONNECTION FOR OWNER VENDOR PROVIDED UPS. ROUTE # 10'S IN 3/4" CONDUIT. COORDINATE EXACT RECEPTACLE REQUIRED. MOUNT IN EQUIPMENT RACK.
13. PROVIDE GROUND BAR AT COMMUNICATIONS RACK 12"x2"x1/4" COPPER WITH ISOLATED STAND OFFS. ROUTE #6 COPPER CONDUCTOR BACK TO GROUNDING ELECTRODE SYSTEM. COORDINATE EXACT LOCATION. PROVIDE CONNECTIONS TO DATA RACKS AND CABLE TRAY.
14. PROVIDE POWER AND DATA CONNECTION FOR OWNER PROVIDED SAFE. CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN.
15. PROVIDE FOURPLEX RECEPTACLE AND ONE 6"x6"x1/4" JUNCTION BOX FOR OWNERS VIDEO SURVEILLANCE SYSTEM FROM JUNCTION BOX STUB (2) 1/2" CONDUITS INTO CEILING SPACE FOR CABLING BY OTHERS. VERIFY LOCATIONS WITH SECURITY VENDOR PRIOR TO ROUGH-IN.
16. PROVIDE 120V STAND ALONE SMOKE DETECTOR.
17. ALARM / SECURITY SYSTEM CONTROL PANEL BY OTHERS. VERIFY LOCATION AND ALL REQUIREMENTS. PROVIDE 3/4" TO EACH ALARM AND CARD READER POINT SHOWN. STUB (1) 1/2" CONDUIT INTO CEILING SPACE. COORDINATE EXACT REQUIREMENTS WITH BANK EQUIPMENTS DRAWINGS.
18. REFER TO MOTOR CONNECTION SCHEDULE FOR DUCT SMOKE DETECTOR REQUIREMENTS.
19. JUNCTION BOXES ABOVE CEILING. SEE DETAIL (3/E3.1). COORDINATE EXACT LOCATION.
20. JUNCTION BOXES UNDER COUNTER. SEE DETAIL (3/E3.1).
21. PROVIDE CONNECTION ABOVE CEILING FOR BLOWER UNIT. SEE DETAIL 1/E3.1. VERIFY CONNECTION LOCATION.
22. DRIVE UP CUSTOMER UNIT. PROVIDE WIRING AS PER RISER DIAGRAM. VERIFY WITH BANK EQUIPMENT SUPPLIER. SEE DETAIL 1/E3.1.
23. DRIVE UP VIDEO UNIT. PROVIDE WIRING AS PER DIAGRAM. VERIFY WITH BANK EQUIPMENT SUPPLIER. SEE DETAIL 3/E3.1.
24. COMMUNICATION UTILITY MPOP. ROUTE UTILITY CONDUITS FROM PROPERTY LINE TO THIS LOCATION. PROVIDE 3/4" PLYWOOD FROM FLOOR TO 8' FOR EQUIPMENT MOUNTING. PAINT WITH FIRE RETARDANT GRAY PAINT.
25. MECHANICAL CONTRACTOR TO PROVIDE AUTOMATIC FAUCET AND LOW VOLTAGE TRANSFORMER. ELECTRICAL CONTRACTOR TO PROVIDE JUNCTION BOXES AND MAKE ALL CONNECTIONS. COORDINATE BOX LOCATIONS AND ALL REQUIREMENTS WITH MECHANICAL CONTRACTOR.
26. PROVIDE CONNECTION FOR COIN COUNTER. CONFIRM EXACT REQUIREMENTS AND LOCATION WITH BANK EQUIPMENT SUPPLIER.
27. PROVIDE ALARM ROUGH-IN FOR SAFE AS REQUIRED. COORDINATE WITH SECURITY AND BANK EQUIPMENT VENDORS.
28. PROVIDE 120V STAND-ALONE DUCT SMOKE DETECTOR FOR FURNACE SHUTDOWN. PROVIDE ANY RELAYS NECESSARY FOR A COMPLETE CONNECTION. PROVIDE SPACE AGE TECHNOLOGIES #3M-001 OR APPROVED EQUAL.
29. PROVIDE CONNECTION FOR SECURITY MONITOR. CONFIRM EXACT LOCATION.
30. PROVIDE ROUGH-IN FOR FUTURE ATM. ROUTE (3) #10 AND (1) #10 GND IN 1 1/4" CONDUIT. PROVIDE (2) 1" CONDUITS TO ROOM #106 FOR COMMUNICATIONS AND ALARM. CONFIRM EXACT SIZE AND TO COVER CONDUITS.
31. PROVIDE CONNECTION TO FIREPLACE. CONFIRM EXACT REQUIREMENTS. PROVIDE CONTROL ROUGH-IN AT REMOTE LOCATION AS DIRECTED BY GC.
32. PROVIDE CONNECTION TO WATER SOFTENER PROVIDED BY MECHANICAL.
33. PROVIDE ELECTRIC HEAT TAPE IN ROOF DRAIN TO OUTLET. RAYCHEM #GM-1X (120V) OR EQUAL. PROVIDE RAYCHEM AMC-FS T-STAT FOR CONTROL. MOUNT SENSOR ON ROOF. MOUNT CONTROL BOX IN ACCESSIBLE CEILING SPACE NEAR T-STAT. PROVIDE RAYCHEM E304 CONTACTOR FOR CONTROL OF MULTIPLE CIRCUIT AS REQUIRED. APPROXIMATELY 20' OF TAPE.
34. ALL RECEPTABLES IN SPACE SHALL BE SPLIT RECEPTABLES WITH TOP RECEPTACLE BEING CONTROLLED WITH ROOM OCCUPANCY SENSOR. OCCUPANCY SENSOR SHALL TURN OFF CONTROLLED RECEPTACLE 20 MINUTES AFTER NO OCCUPANCY HAS BEEN SENSED IN SPACE.



**2 CASH WORK ROOM / IT - POWER**  
SCALE: 3/8" = 1'-0"



**1 MAIN LEVEL PLAN - POWER**  
SCALE: 3/16" = 1'-0"



## PROJECT

**MAYO EMPLOYEES  
 FEDERAL CREDIT UNION**

**NEW BUILDING  
 605 WEST AVE S.  
 LA CROSSE, WI**

ISSUED SET 2026-03-27

REVISIONS

DATE NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fuls

40887 2026-03-27

Reg No. Date



Emanuelson-Podas, Inc.  
 7705 Bay Lake Road  
 Eden, MN 55009  
 (952) 930-0050 | www.epcinc.com

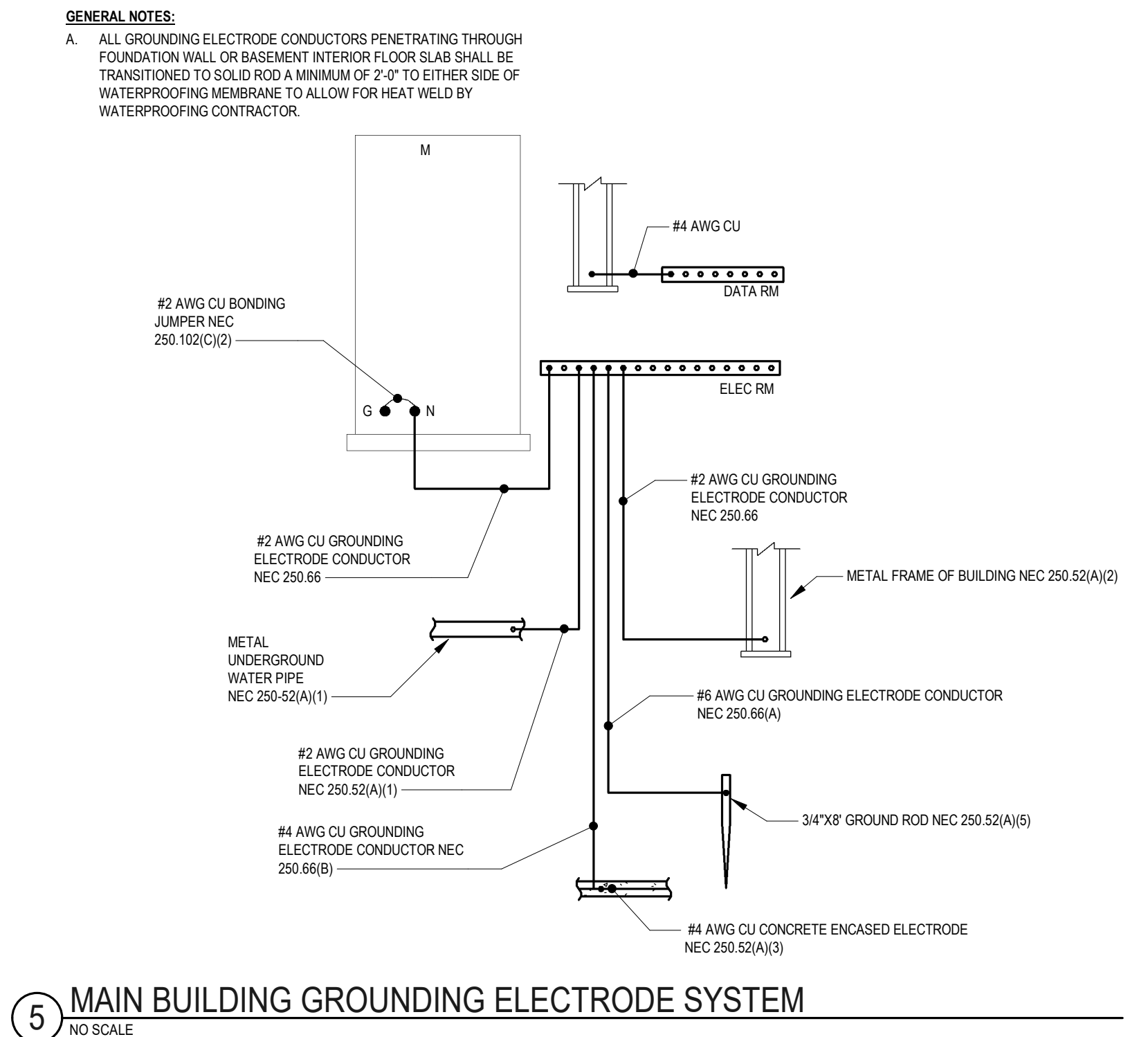
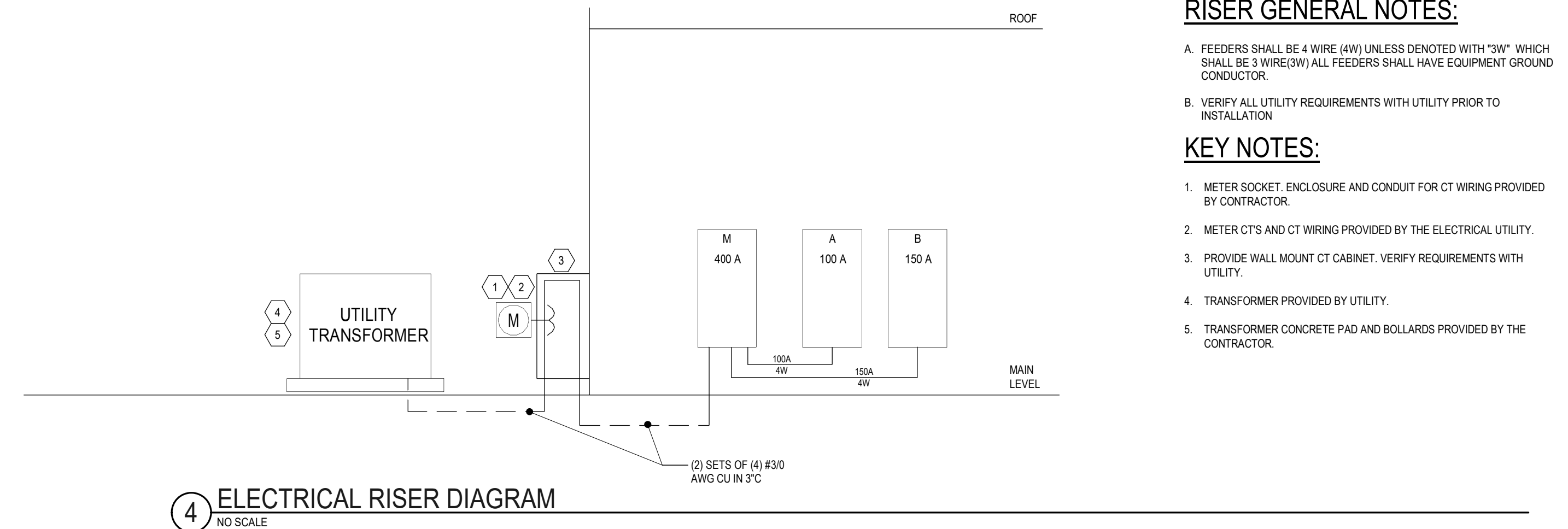
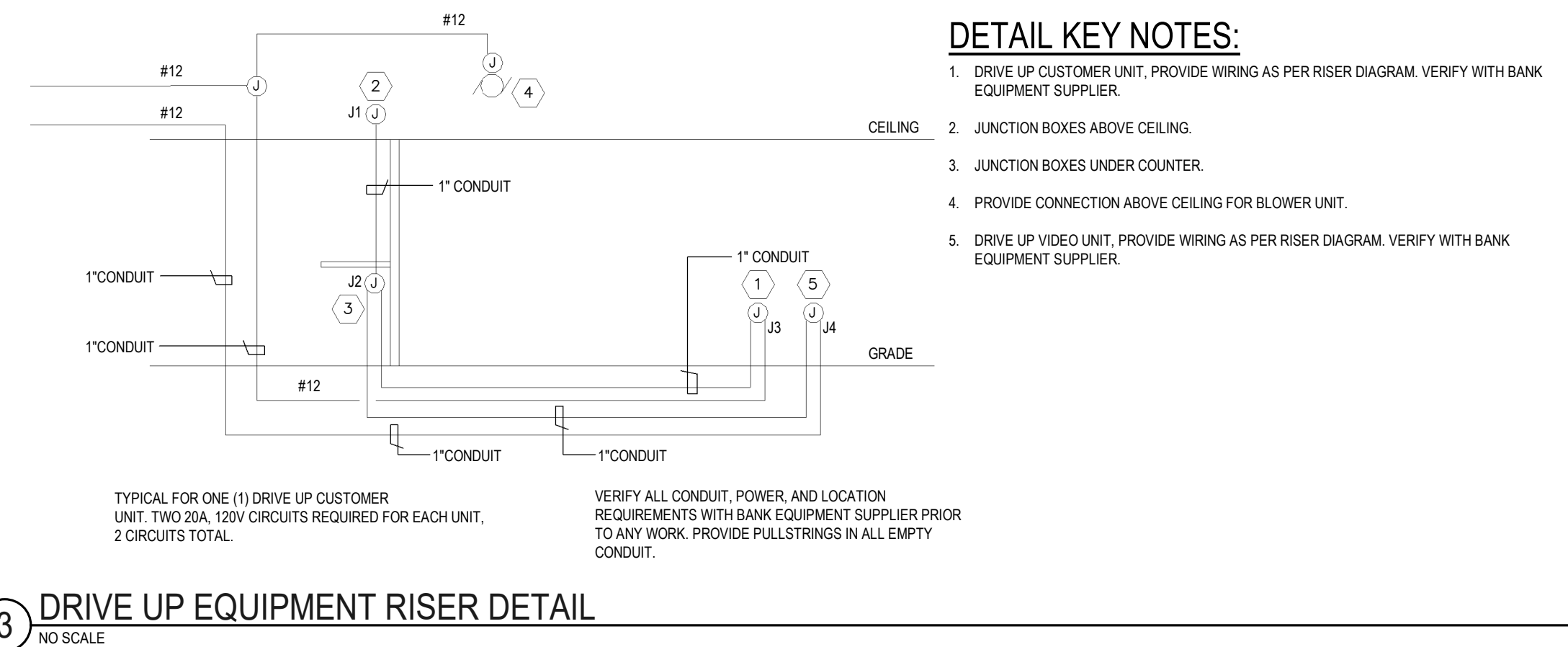
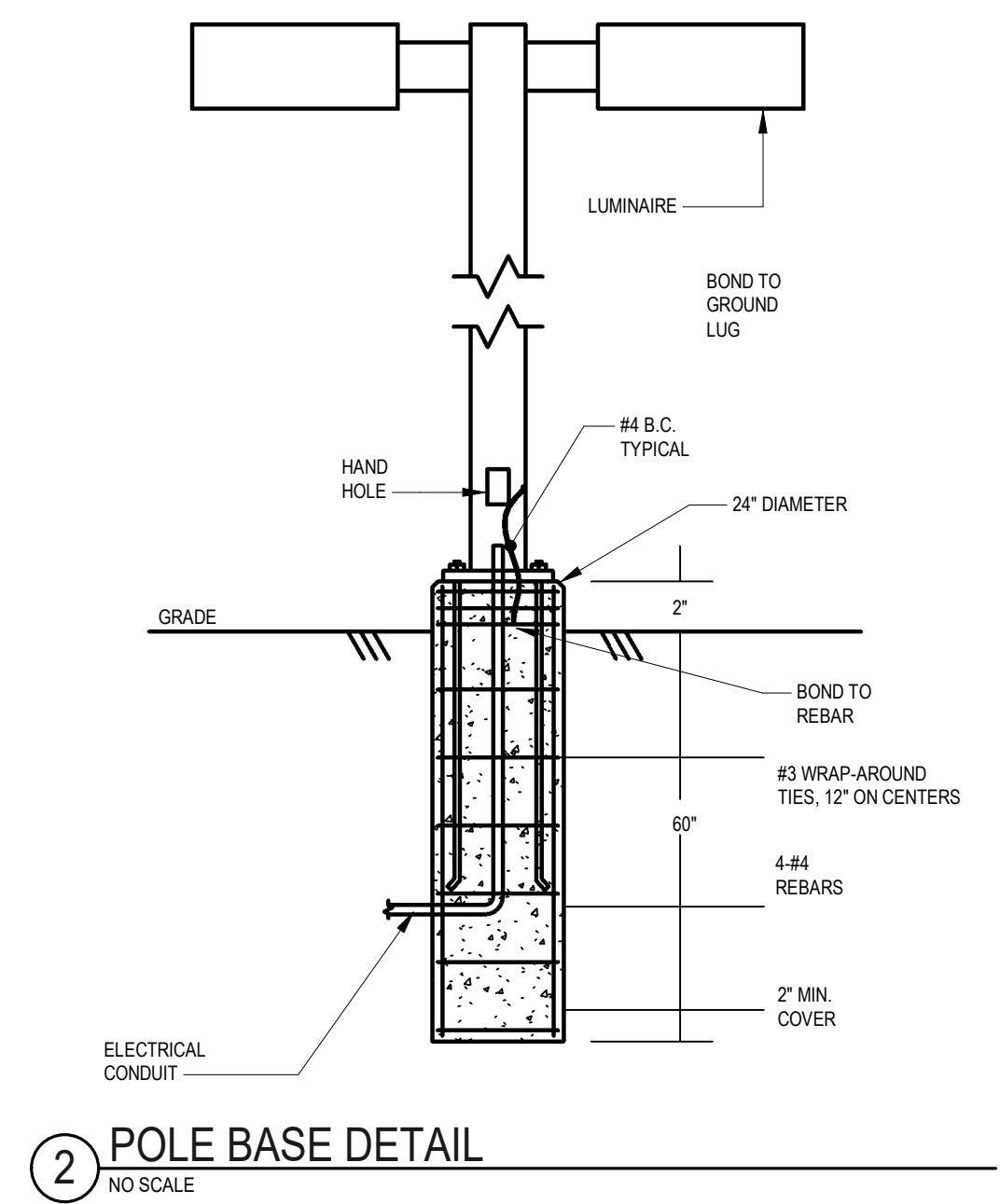
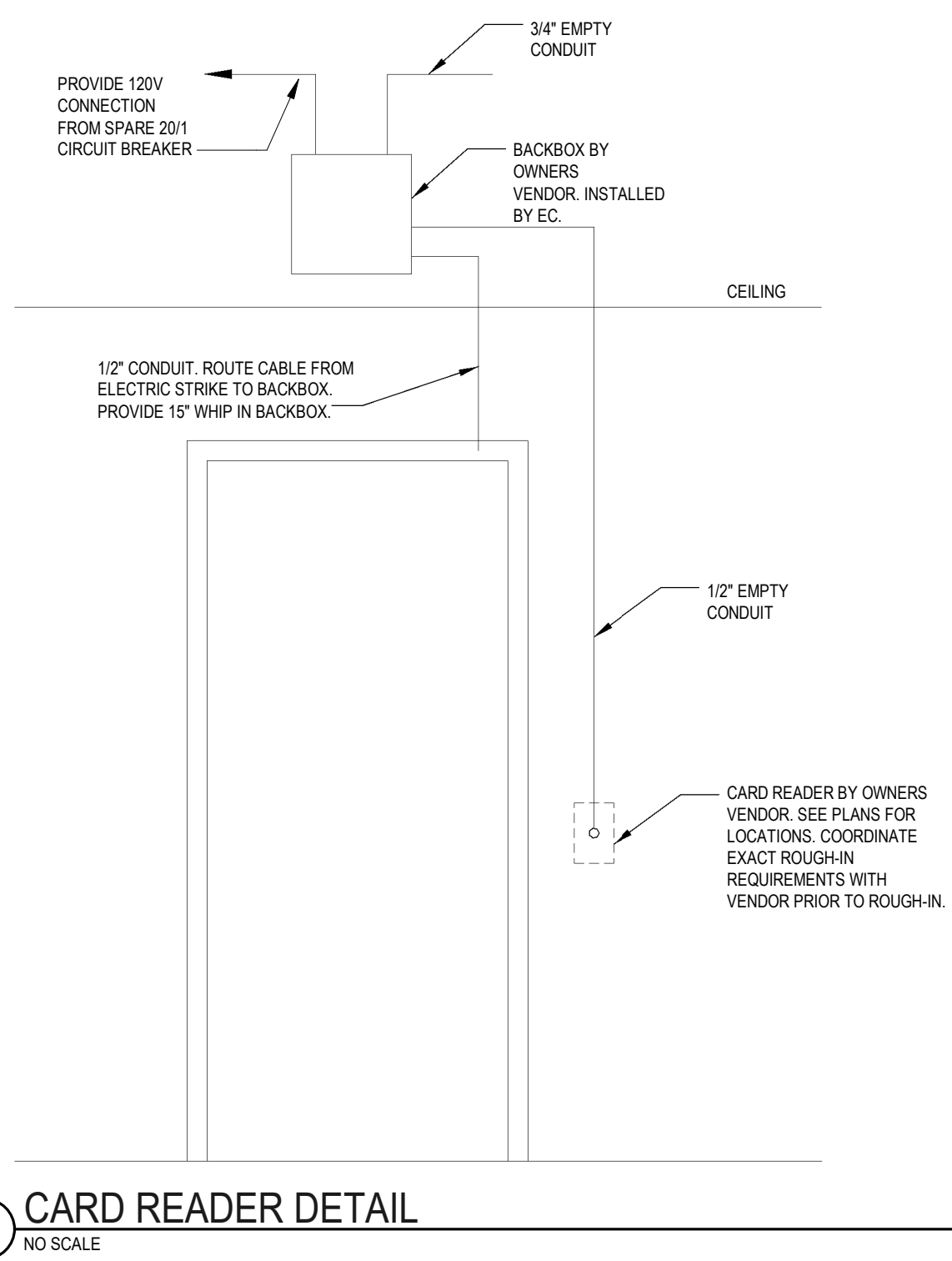
## ELECTRICAL DETAILS

Drawn By: FSB Checked By: KDM

# E3.1

## 3Ø FEEDER SCHEDULE

MARK (AMPACITY)	COPPER		COMPACT STRAND ALUMINUM ALLOY		MARK (AMPACITY)
	FEEDER 3W (NO NEUTRAL) PH-GND-C	FEEDER 4W (W NEUTRAL) PH-GND-C	FEEDER 3W (NO NEUTRAL) PH-GND-C	FEEDER 4W (W NEUTRAL) PH-GND-C	
20	3#12 - 1#12 GND - 3/4"C	4#12 - 1#12 GND - 3/4"C	---	---	20
30	3#10 - 1#10 GND - 3/4"C	4#10 - 1#10 GND - 3/4"C	---	---	30
40	3#8 - 1#10 GND - 3/4"C	4#8 - 1#10 GND - 1"C	---	---	40
50	3#6 - 1#10 GND - 1"C	4#6 - 1#10 GND - 1"C	---	---	50
50T	---	4#6 - 1#6 GND (SSBJ) - 1"C	---	---	50T
60	3#4 - 1#10 GND - 1"C	4#4 - 1#10 GND - 1 1/4"C	---	---	60
70	3#4 - 1#6 GND - 1 1/4"C	4#4 - 1#6 GND - 1 1/4"C	---	---	70
80	3#3 - 1#6 GND - 1 1/4"C	4#3 - 1#6 GND - 1 1/4"C	---	---	80
90	3#2 - 1#6 GND - 1 1/4"C	4#2 - 1#6 GND - 1 1/2"C	---	---	90
100	3#1 - 1#6 GND - 1 1/2"C	4#1 - 1#6 GND - 1 1/2"C	3#10 - 1#6 GND - 1 1/2"C	4#10 - 1#6 GND - 2"C	100
100P	3#3 - 1#6 GND - 1 1/4"C	4#3 - 1#6 GND - 1 1/4"C	3#1 - 1#6 GND - 1 1/2"C	4#1 - 1#6 GND - 1 1/2"C	100P
100T	---	4#3 - 1#6 GND (SSBJ) - 1 1/4"C	---	4#1 - 1#6 GND (SSBJ) - 1 1/2"C	100T
125	3#1 - 1#6 GND - 1 1/2"C	4#1 - 1#6 GND - 1 1/2"C	3#20 - 1#4 GND - 2"C	4#20 - 1#4 GND - 2"C	125
150	3#10 - 1#6 GND - 1 1/2"C	4#10 - 1#6 GND - 2"C	3#30 - 1#4 GND - 2"C	4#30 - 1#4 GND - 2 1/2"C	150
150T	---	4#10 - 1#6 GND (SSBJ) - 2"C	---	4#30 - 1#4 GND (SSBJ) - 2 1/2"C	150T
175	3#20 - 1#6 GND - 2"C	4#20 - 1#6 GND - 2"C	3#40 - 1#4 GND - 2"C	4#40 - 1#4 GND - 2 1/2"C	175
200	3#30 - 1#6 GND - 2"C	4#30 - 1#6 GND - 2"C	3#250 - 1#4 GND - 2 1/2"C	4#250 - 1#4 GND - 3"C	200
225	3#40 - 1#4 GND - 2"C	4#40 - 1#4 GND - 2 1/2"C	3#300 - 1#2 GND - 2 1/2"C	4#300 - 1#2 GND - 3"C	225
225T	---	4#40 - 1#2 GND (SSBJ) - 2 1/2"C	---	4#300 - 1#10 GND (SSBJ) - 3"C	225T
250	3#250 - 1#4 GND - 2 1/2"C	4#250 - 1#4 GND - 3"C	3#350 - 1#2 GND - 3"C	4#350 - 1#2 GND - 3"C	250
300	3#350 - 1#4 GND - 3"C	4#350 - 1#4 GND - 3"C	3#500 - 1#2 GND - 3"C	4#500 - 1#2 GND - 3 1/2"C	300
400	3#500 - 1#3 GND - 3"C	4#500 - 1#3 GND - 3 1/2"C	3#750 - 1#1 GND - 3 1/2"C	4#750 - 1#1 GND - 4"C	400
400P	(2 SETS) 3#30 - 1#6 GND - 2"C	(2 SETS) 4#30 - 1#6 GND - 2 1/2"C	(2 SETS) 3#250 - 1#1 GND - 2 1/2"C	(2 SETS) 4#250 - 1#1 GND - 3"C	400P
400T	---	(2 SETS) 4#30 - 1#10 GND (SSBJ) - 2 1/2"C	---	(2 SETS) 4#250 - 1#10 GND (SSBJ) - 3"C	400T
500	(2 SETS) 3#250 - 1#2 GND - 2 1/2"C	(2 SETS) 4#250 - 1#2 GND - 3"C	(2 SETS) 3#350 - 1#10 GND - 3"C	(2 SETS) 4#350 - 1#10 GND - 3"C	500
500T	---	(2 SETS) 4#250 - 1#10 GND (SSBJ) - 3"C	---	(2 SETS) 4#350 - 1#30 GND (SSBJ) - 3"C	500T
600	(2 SETS) 3#350 - 1#1 GND - 3"C	(2 SETS) 4#350 - 1#1 GND - 3"C	(2 SETS) 3#500 - 1#20 GND - 3"C	(2 SETS) 4#500 - 1#20 GND - 3 1/2"C	600
800	(2 SETS) 3#350 - 1#10 GND - 3"C	(2 SETS) 4#500 - 1#10 GND - 3 1/2"C	(2 SETS) 3#750 - 1#30 GND - 3 1/2"C	(2 SETS) 4#750 - 1#30 GND - 4"C	800
800P	(3 SETS) 3#300 - 1#10 GND - 2 1/2"C	(3 SETS) 4#300 - 1#10 GND - 3"C	(3 SETS) 3#400 - 1#30 GND - 3"C	(3 SETS) 4#400 - 1#30 GND - 3 1/2"C	800P
800T	---	(3 SETS) 4#300 - 1#20 GND (SSBJ) - 3"C	---	(3 SETS) 4#400 - 1#40 GND (SSBJ) - 3 1/2"C	800T
1000	(3 SETS) 3#400 - 1#20 GND - 3"C	(3 SETS) 4#400 - 1#20 GND - 3"C	(3 SETS) 3#600 - 1#40 GND - 3 1/2"C	(3 SETS) 4#600 - 1#40 GND - 4"C	1000
1000T	---	(3 SETS) 4#400 - 1#30 GND (SSBJ) - 3 1/2"C	---	(3 SETS) 4#600 - 1#250 GND (SSBJ) - 4"C	1000T
1200	(4 SETS) 3#350 - 1#30 GND - 3"C	(4 SETS) 4#350 - 1#30 GND - 3"C	(4 SETS) 3#500 - 1#250 GND - 3"C	(4 SETS) 4#500 - 1#250 GND - 3 1/2"C	1200
1600	(5 SETS) 3#400 - 1#40 GND - 3"C	(5 SETS) 4#400 - 1#40 GND - 3 1/2"C	(5 SETS) 3#600 - 1#350 GND - 3 1/2"C	(5 SETS) 4#600 - 1#350 GND - 4"C	1600
1600T	---	(5 SETS) 4#400 - 1#250 GND (SSBJ) - 3 1/2"C	---	(5 SETS) 4#600 - 1#400 GND (SSBJ) - 4"C	1600T
2000	(6 SETS) 3#400 - 1#250 GND - 3"C	(6 SETS) 4#400 - 1#250 GND - 3 1/2"C	(6 SETS) 3#600 - 1#400 GND - 3 1/2"C	(6 SETS) 4#600 - 1#400 GND - 4"C	2000





Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: MAYO EMPLOYEES FEDERAL CREDIT UNION
Location: La Crosse, Wisconsin
Climate Zone: 5a
Project Type: New Construction
Project No: 93449
All Electric: false
Is Renewable: false
Has Battery: false
Has Charger: false
Has Heat Pump: false

Construction Site: 805 West Ave S, La Crosse, Wisconsin 54601
Owner/Agent: Mayo Employees Federal Credit Union, Wisconsin
Designer/Contractor: Felipe Soares, Emanuelson-Podas, Inc, Edina, Minnesota 55439

Notes:

Building Area

Table with 2 columns: Description, Floor Area. Row 1: 1-Office (Office) - Nonresidential, 2785

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: MAYO EMPLOYEES FEDERAL CREDIT UNION
Location: La Crosse, Wisconsin
Climate Zone: 5a
Project Type: New Construction

Construction Site: 605 West Ave S, La Crosse, Wisconsin 54601
Owner/Agent: Mayo Employees Federal Credit Union, Wisconsin
Designer/Contractor: Felipe Soares, Emanuelson-Podas, Inc, Edina, Minnesota 55439

Allowed Interior Lighting Power

Table with 4 columns: Area Category, Floor Area (ft2), Allowed Watts / ft2, Allowed Watts. Row 1: 1-Bank Building (Bank/Banking Activity Area), 2785, 0.61, 1782

Proposed Interior Lighting Power

Table with 4 columns: Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast, # of Fixture, Fixture Watt., (B X C). Lists fixtures A1, A1X, B1, B1X, C2, C2X, E1, E1X, F1, F1X, G1, G1X, and G1X.

Proposed Interior Lighting Controls

Table with 2 columns: Fixture, Lighting Control. Lists fixtures A1, A1X, B1 and their respective control settings.

Table with 2 columns: Fixture, Lighting Control. Lists fixtures B1X, C2, E1, F1, G1, G1X and their respective control settings.

Interior Lighting PASSES: Design 28% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application.

Felipe Soares - Electrical Designer Signature Date: 03/27/2026

Table with 3 columns: Name - Title, Signature, Date

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: MAYO EMPLOYEES FEDERAL CREDIT UNION
Location: La Crosse, Wisconsin
Climate Zone: 5a
Project Type: New Construction
Exterior Lighting Zone: High activity metropolitan commercial district (LZ4)

Construction Site: 805 West Ave S, La Crosse, Wisconsin 54601
Owner/Agent: Mayo Employees Federal Credit Union, Wisconsin
Designer/Contractor: Felipe Soares, Emanuelson-Podas, Inc, Edina, Minnesota 55439

Allowed Exterior Lighting Power

Table with 5 columns: Area/Surface Category, Quantity, Allowed Watts / ft2, Tradable Wattage, Allowed Watts (B X C). Lists areas like Parking Lot, Drive Lane, Entrance, and Main Entry.

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A base site allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

Table with 5 columns: Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast, Lamps/Fixture, # of Fixture, Fixture Watt., (C X D). Lists fixtures P1, D1, N1X, C1, and C1X.

Table with 5 columns: Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast, Lamps/Fixture, # of Fixture, Fixture Watt., (C X D). Total Tradable Proposed Watts: 1095

Proposed Exterior Lighting Controls

Table with 2 columns: Fixture, Lighting Control. Lists fixtures P1, D1, N1X, C1, and C1X with their control settings.

Exterior Lighting PASSES: Design 50% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application.

Felipe Soares - Electrical Designer Signature Date: 03/27/2026

Table with 3 columns: Name - Title, Signature, Date

Inspection Checklist

Energy Code: 2021 IECC
Requirements: 100% were addressed directly in the COMcheck software
Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen.

Plan Review

Table with 4 columns: Section # & Req ID, Plan Review, Complies?, Comments/Assumptions. Lists items C406, C103.2, and C103.2.

Additional Comments/Assumptions:

Empty text box for additional comments.

Table with 3 columns: 1 High Impact (Tier 1), 2 Medium Impact (Tier 2), 3 Low Impact (Tier 3)



www.htg-architects.com
Minneapolis Bismarck

1010 Mainstreet, Suite 100
Hopkins, MN 55343
Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES
FEDERAL CREDIT UNION

NEW BUILDING
605 WEST AVE S.
LA CROSSE, WI

ISSUED SET 2026-03-27

REVISIONS

DATE NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fuls
40887 2026-03-27
Reg No. Date



Emanuelson-Podas, Inc
7703 Sun Lake Road
Edina, MN 55439
(952) 930-0050 | www.epcinc.com

ENERGY COMPLIANCE FORMS

Drawn By: FSB Checked By: JDM

E3.2

**Rough-In Electrical Inspection**

Section & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.1 [EL22]	Spaces required to have light reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern => 50 percent.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Location on plans/spec:</b> E1.1, E1.2, E3.2, E3.3, E3.4
C405.2.7 [EL28]	Automatic lighting controls for exterior lighting is installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 20%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Location on plans/spec:</b> E1.1, E1.2, E3.2, E3.3, E3.4
C405.7 [EL26]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Exception:</b> Requirement does not apply.
C405.8 [EL27]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Location on plans/spec:</b> E2.1, E2.2, E4.1
C405.9.1, C405.9.2 [EL29]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Exception:</b> Requirement does not apply.
C405.10 [EL29]	Total voltage drop across the combination of feeders and branch circuits =<= 3%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Location on plans/spec:</b> E2.1, E2.2
C405.1.1 [EL30]	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 85 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Exception:</b> Requirement does not apply.
C405.11, C405.11.1 [EL31]	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and >25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Location on plans/spec:</b> E2.1, E2.2
C405.2.1, C405.2.1.1 [EL18]	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, corridors, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouse and section C405.2.1.3 for open plan office spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Location on plans/spec:</b> E1.1, E1.2, E3.2, E3.3, E3.4
C405.2.1.2 [EL19]	Occupancy sensors control function in warehouses: In warehouses, the lighting in aislesways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more within 20 minutes of when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleways being controlled by the sensor. Lights not turned off by occupant sensors is done so by time-switch.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Exception:</b> Requirement does not apply.

Section & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1.3 [EL20]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq ft, have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq ft, within the space, 2) general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that general lighting power in each control zone is reduced by => 50% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Exception:</b> Requirement does not apply.
C405.2.2, C405.2.2.1, C405.2.2.1 [EL17]	Each area not served by occupancy sensors per C405.2.1.1) have time-switch controls and functions detailed in sections C405.2.2.1.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Location on plans/spec:</b> E1.1, E1.2, E3.2, E3.3, E3.4
C405.2.4, C405.2.4.1, C405.2.4.2 [EL23]	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidell zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Location on plans/spec:</b> E1.1, E1.2, E3.2, E3.3, E3.4
C405.2.5 [EL27]	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 Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Location on plans/spec:</b> E1.1, E1.2, E3.2, E3.3, E3.4

**Additional Comments/Assumptions:**

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

**Final Inspection**

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [F117]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.5.1 [F119]	Exterior 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 Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Exterior Lighting fixture schedule for values
C408.1.1 [F157]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturer's information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.2.5 [F116]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.3 [F133]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not Comply <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Location on plans/spec:</b> E1.1, E1.2, E3.2, E3.3, E3.4

**Additional Comments/Assumptions:**

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



www.htg-architects.com  
 Minneapolis Bismarck

1010 Mainstreet, Suite 100  
 Hopkins, MN 55343  
 Tel: 952.278.8880

**PROJECT**

**MAYO EMPLOYEES  
 FEDERAL CREDIT UNION**

**NEW BUILDING  
 605 WEST AVE S.  
 LA CROSSE, WI**

ISSUED SET 2026-03-27

REVISIONS

DATE NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fuls  
 40887 2026-03-27  
 Reg No. Date



Emanuelson-Podas, Inc.  
 7705 Bush Lake Road  
 Eden, WI 53531  
 (920) 930-0050 | www.epcinc.com

**ENERGY COMPLIANCE  
 FORMS**

Drawn By: FSB Checked By: KDM

**E3.3**



www.htg-architects.com  
Minneapolis Bismark

1010 Mainstreet, Suite 100  
Hopkins, MN 55343  
Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES  
FEDERAL CREDIT UNION

NEW BUILDING  
605 WEST AVE S.  
LA CROSSE, WI

ISSUED SET 2026-03-27

REVISIONS

DATE NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Pudas  
40887 2026-03-27  
Reg No. Date



Emanuelson-Podas, Inc.  
7705 Sun Lake Road  
Edina, MN 55425

(952) 930-0050 | www.epcinc.com

ELECTRICAL SCHEDULES

Drawn By: FSB Checked By: KDM

E4.1

3392.0002  
COPYRIGHT © HTG ARCHITECTS

LIGHT FIXTURE SCHEDULE

- GENERAL NOTES:
A. CATALOG NUMBER INDICATES BASIC FIXTURE TYPE REQUIRED FOR THIS PROJECT AND MAY NOT BE COMPLETE. VERIFY WITH MANUFACTURER TO INCLUDE ALL OPTIONS AND ACCESSORIES REQUIRED FOR THIS INSTALLATION.
B. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING FIXTURE LOCATIONS, MOUNTING, AND REQUIREMENTS WITH ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS PRIOR TO ORDERING FIXTURES.
C. ALL FINISHES SHALL BE VERIFIED WITH THE ARCHITECT PRIOR TO ORDERING FIXTURES. FINISH SELECTION TO BE FROM MANUFACTURER'S STANDARD FINISHES UNLESS NOTED OTHERWISE. FINISHES SHALL BE VERIFIED AT THE TIME OF SHOP DRAWING SUBMITTAL.
D. SEE SPECIFICATIONS FOR EXTRA MATERIALS REQUIRED FOR LIGHT FIXTURES.
E. COORDINATE THE COMPATIBILITY OF DIMMING WITH SPECIFIED CONTROLS. DIMMING SHALL BE ACCOMPLISHED WITH NO VISIBLE FLICKER.
F. NO SUBSTITUTIONS SHALL BE ACCEPTED WITHOUT PRIOR APPROVAL BY THE ENGINEER.
G. EQUALS ARE ACCEPTABLE AND WILL BE REVIEWED AS PART OF THE SHOP DRAWING SUBMITTAL.

- FIXTURE NOTES:
1. MOUNT FIXTURE 10'-0" A.F.F. UNLESS NOTED OTHERWISE.
2. COORDINATE MOUNTING HEIGHT AND LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND FINAL INSTALL.
3. ROUTE FIXTURE THROUGH EMERGENCY INVERTER FOR EMERGENCY OPERATION.

Table with columns: TYPE, DESCRIPTION, VOLT, LAMPS (TYPE, QTY / FIXT.), VA / FIXT., MANUFACTURER, CATALOG NUMBER, EQUAL MANUFACTURERS, NOTES, TYPE. Includes entries for recessed flat panel LEDs, downlights, and various specialty lighting fixtures.

LIGHTING CONTROL SCHEDULE

Table with columns: RELAY #, PANEL / OCKT NO., VOLTAGE, CONTROL, DESCRIPTION, NOTES. Lists control relays for exterior photoeyes, parking lot lighting, and canopy lighting.

- NOTES:
1. PROGRAM CONTROL PANEL TO TURN FIXTURES ON AT DUSK VIA PHOTOCELL.
2. PROGRAM TIMELOCK TO TURN FIXTURES ON THEN OFF AT PRE-SET SCHEDULE. COORDINATE WITH OWNER.
3. PROGRAM CONTROL PANEL TO TURN FIXTURES OFF AT DAWN VIA PHOTOCELL.
4. PROGRAM TIMELOCK TO TURN FIXTURES OFF AT PRE-SET SCHEDULE. COORDINATE WITH OWNER.
5. MESSAGE CENTER CIRCUIT(S) SHALL NOT BE CONTROLLED WITH RELAY.
6. RELAY TO BE CONTROLLED WITH LIGHTING CONTROL STATION.

LIGHTING CONTROL COMMISSIONING

PROVIDE FUNCTIONAL TESTING AND DOCUMENTATION FOR ALL LIGHTING CONTROL DEVICES AND CONTROL SYSTEMS TO MEET THE REQUIREMENTS OF 2024 MN ENERGY CODE. LIGHTING CONTROLS SUPPLIER SHALL BE RESPONSIBLE TO PROVIDE A REPRESENTATIVE WHO WILL PERFORM THIS SCOPE OF SERVICE. ALL TIMING SHALL MEET CODE MINIMUM REQUIREMENTS AND BE ADJUSTED AS REQUESTED BY OWNER UPON COMPLETION. PROVIDE DOCUMENTATION TO AUTHORITY HAVING JURISDICTION AS REQUESTED.

MOTOR SCHEDULE

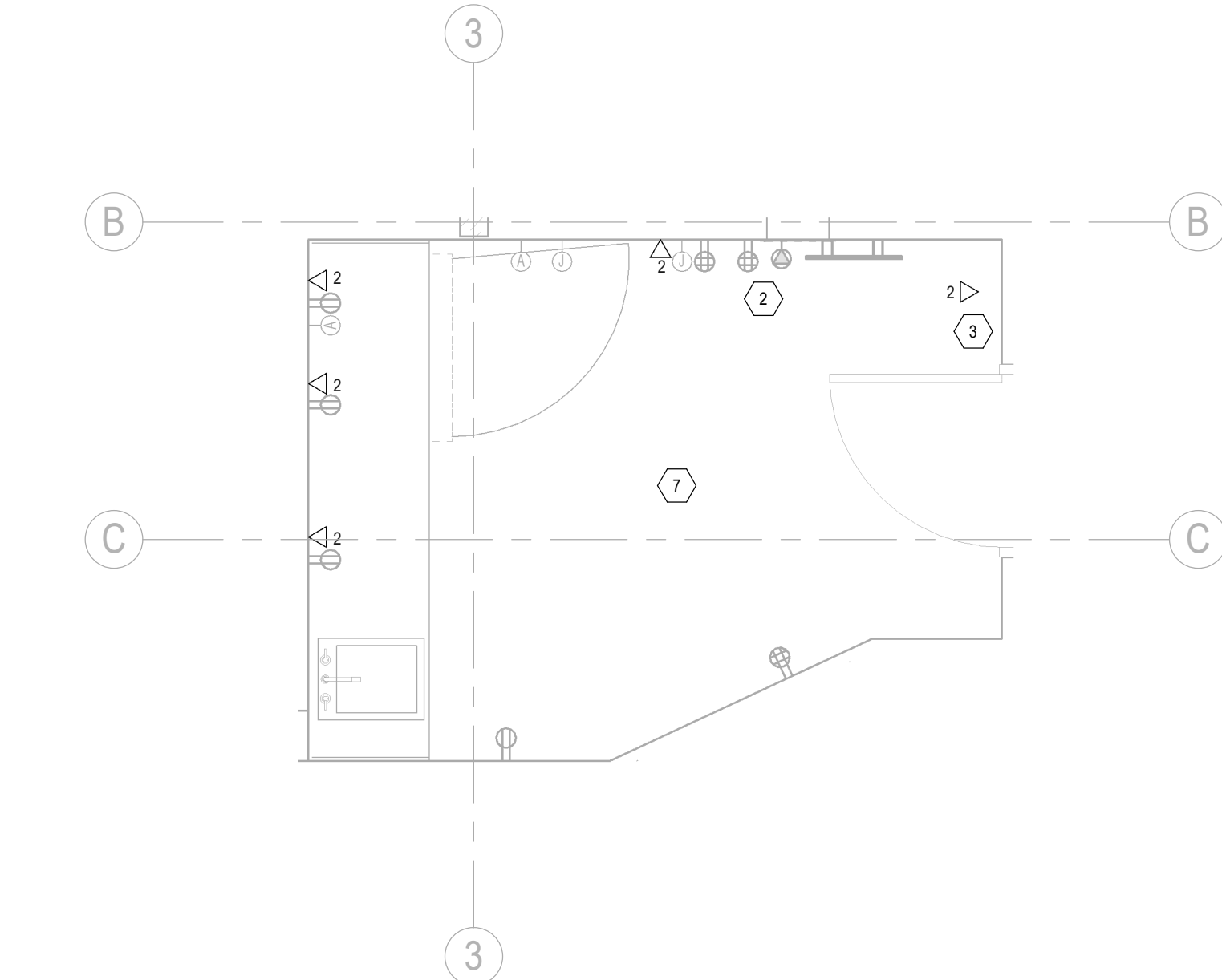
- ABBREVIATIONS:
MAG - MAGNETIC, HOA - HAND/OFF/AUTOMATIC, SS - START/STOP, TT - THERMAL TOGGLE, PB - PUSH/BUTTON, START - STARTER, EMS - ENERGY MANAGEMENT SYSTEM, BAS - BUILDING AUTOMATION SYSTEM, F.A. - FIRE ALARM, DSD - DUCT SMOKE DETECTOR, MFR - MANUFACTURER, OATS - OUTSIDE AIR TEMPERATURE SENSOR
GENERAL NOTES:
A. CONFIRM ALL CONNECTIONS TO MECHANICAL EQUIPMENT WITH SHOP DRAWINGS PRIOR TO ROUGH-IN.
B. DISCONNECTS SHALL NOT BE MOUNTED DIRECTLY TO MECHANICAL EQUIPMENT.
C. ALL FEEDERS TO MECHANICAL EQUIPMENT SHALL BE COPPER.
NOTES:
1. PROVIDE SINGLE POLE, 30A CONTACTOR W/24V CONTROL COIL FOR CONTROL VIA DIV 23 CONTROLLER.
2. SPLIT SYSTEM CIRCUIT SHALL BE ROUTED FROM THE PANEL/CIRCUIT BREAKER THROUGH THE OUTDOOR UNIT (CU#3) TO THE INDOOR UNIT (ACH1).
3. PROVIDE TOGGLE SWITCH ABOVE ACCESSIBLE CEILING SPACE FOR DISCONNECT AND LABEL.
4. PROVIDE 20A RELAY W/24V COIL FOR CONTROL VIA DIV 23 T-STAT. LINE-VOLTAGE WIRING AND TERMINATIONS PROVIDED BY DIVISION 26. LOW-VOLTAGE WIRING AND TERMINATIONS PROVIDED BY DIV 23.
5. PROVIDE RELAY FOR FAN SHUTDOWN UPON ACTIVATION OF DUCT SMOKE DETECTOR. MOUNT DETECTOR IN RETURN DUCTWORK. PROVIDE REMOTE TEST SWITCH. VERIFY LOCATION WITH AHJ.
6. PROVIDE TOGGLE SWITCH AT UNIT FOR DISCONNECT.
7. ROUTE POWER THROUGH SPEED CONTROLLER SWITCH BY DIV 23. MOUNT IN CEILING SPACE. FOR BALANCING PURPOSES ONLY.
8. ROUTE POWER THROUGH LIGHTING CONTROL PANEL RELAY. PROGRAM TIME OF DAY TO OWNERS REQUIREMENTS.
9. PROVIDE NEMA 3R DISCONNECT ADJACENT THE UNIT. DO NOT INSTALL DIRECTLY ON THE CONDENSING UNIT.
10. PROVIDE 3-POLE, 30A CONTACTOR W/208V CONTROL COIL FOR CONTROL VIA DIVISION 23 PROGRAMMABLE LINE-VOLTAGE T-STAT FOR CONTROL OF DH-1.
11. FAN SHALL BE CONTROLLED WITH LIGHTING IN ROOM. PROVIDE ADDITIONAL POWER PACK OR INTERFACE TO LIGHTING CONTROLS AS REQUIRED. FAN SHALL COME ON WITH EITHER SWITCH/LOC WHERE APPLICABLE. FAN SHALL OPERATE FOR 15 MINUTES (ADJ.) AFTER LIGHTS ARE TURNED OFF.

Table with columns: MOTOR NO., LOCATION (ROOM NAME, ROOM NO., KW, UNIT FLA, UNIT HP, UNIT MCA, VOLTS, PHASE), STARTER (TYPE, SIZE, LOC, BY), CONTROL DEVICE (DISC FUSW, DISC BY, DEVICE, FURNISHED BY, WIRED BY), INTERLOCK (DEVICE, FURNISHED BY, WIRED BY), PANEL, CIRCUIT, BREAKER, FEEDER PH-G-C, NOTES, MOTOR NO. Includes schedules for boiler-gas, electric, condensing unit, fan, furnace-gas fired, plumbing pump, pump, split system cooling, unit heater, and water heater.

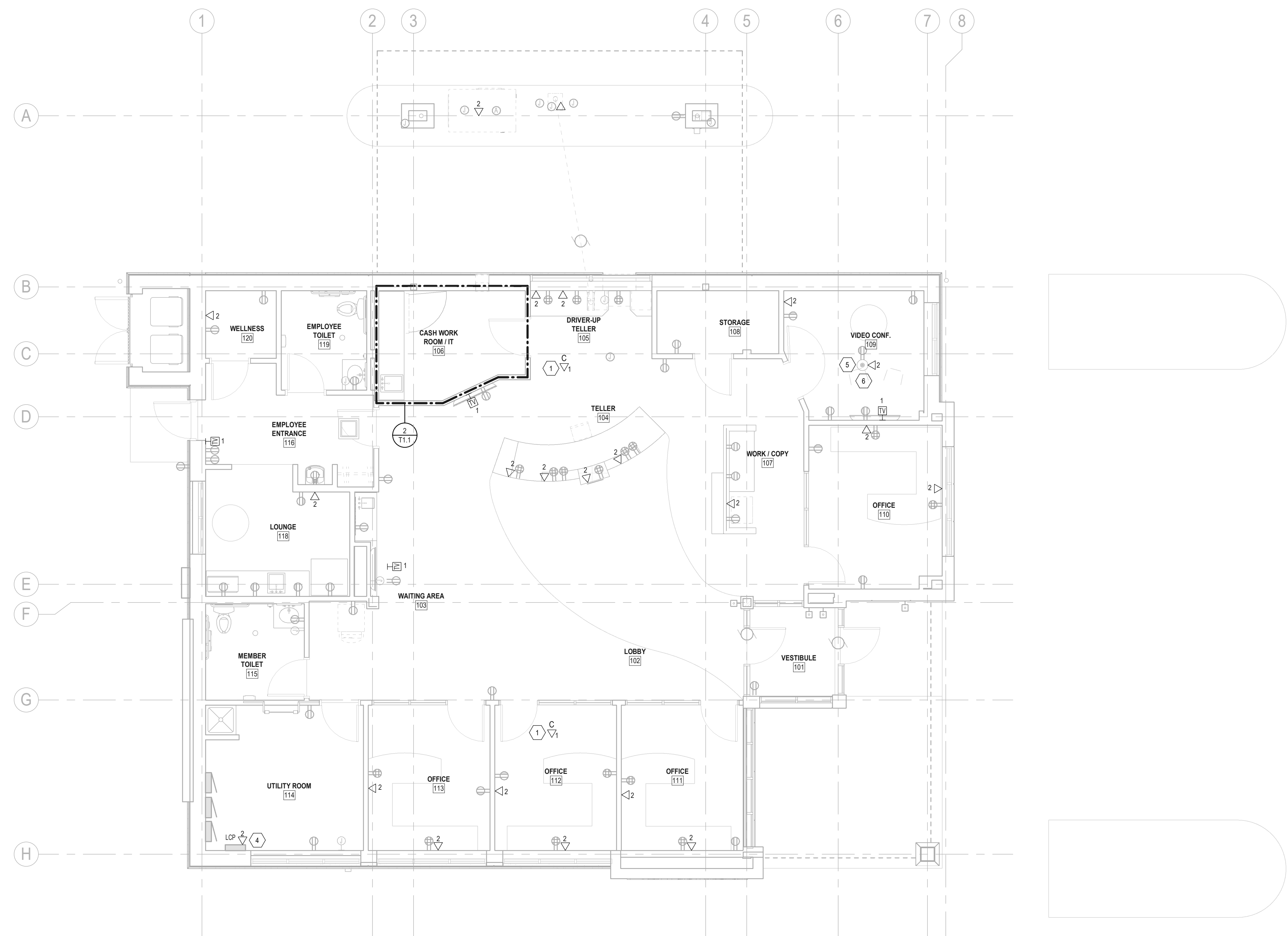


TECHNOLOGY SYMBOLS	
SYMBOL	DESCRIPTION
	DATA TELEPHONE OUTLET - PROVIDE # OF TERMINATED CAT6 CABLES INDICATED BY "N" BACK TO PATCH PANELS IN IT ROOM. CABLES AND OUTLETS SHALL BE LABELED AT BOTH ENDS.
	TELEVISION OUTLET - PROVIDE # OF TERMINATED CAT6 CABLES INDICATED BY "N" BACK TO PATCH PANELS IN IT ROOM. CABLES AND OUTLETS SHALL BE LABELED AT BOTH ENDS.

LOW VOLTAGE RESPONSIBILITY SCHEDULE								
ITEM	FURNISHED BY			INSTALLED BY			N/A	REMARKS
	OWNER	VENDOR	DIV 26	OWNER	VENDOR	DIV 26		
DATA CABLE CONDUITS / ROUGH-IN BOXES WITH PULLWIRE			o			o		
DATA ROOM HARDWARE (DATA RACKS, LADDER RACK, ETC)		o			o			
DATA CABLING AND JACKS			o			o		
DATA ROOM ELECTRONICS		o			o			



2 CASH WORK ROOM / IT - TECHNOLOGY  
SCALE: 3/8" = 1'-0"

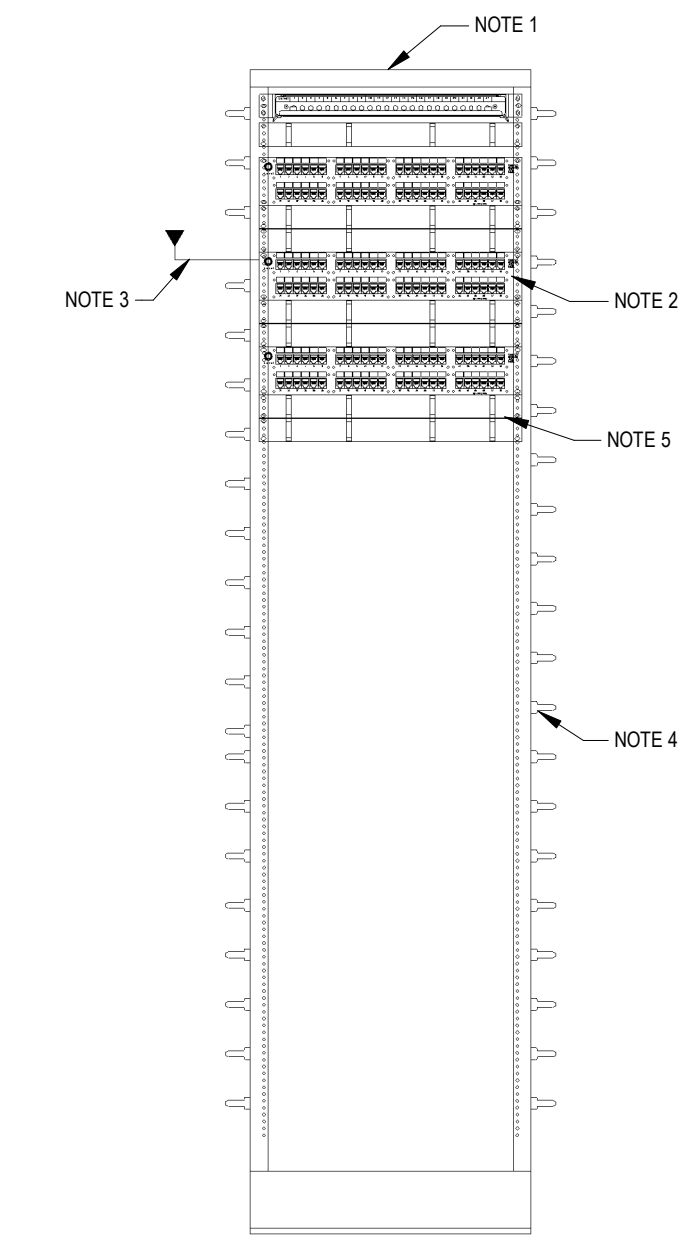


1 MAIN LEVEL PLAN - TECHNOLOGY  
SCALE: 3/16" = 1'-0"

- GENERAL NOTES:**
- A. PROVIDE BLANK COVERPLATES ON UNUSED ROUGH-INS.
  - B. PROVIDE CABLE DISTRIBUTION J-HOOKS AS NECESSARY TO ROUTE AND SUPPORT CABLES. ALL CABLES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE AND SHALL NOT LIE ON CEILING GRID. J-HOOKS SHALL BE SPACED NO MORE THAN FIVE FEET ON CENTER.

- KEY NOTES:**
- 1. PROVIDE CAT-6 CABLE FROM WIRELESS ACCESS POINT IN CEILING TO SERVER ROOM FOR WIFI. COORDINATE EXACT LOCATION AND REQUIREMENTS.
  - 2. TWO-POST DATA RACK PROVIDED BY OWNERS VENDOR.
  - 3. PROVIDE TELEPHONE LINES TO SECURITY/ALARM CONTROL PANELS. ASSUME (2) LINES ARE REQUIRED. COORDINATE EXACT REQUIREMENTS WITH ASSOCIATED VENDORS.
  - 4. PROVIDE (1) TELEPHONE LINE TO LIGHTING CONTROL PANEL.
  - 5. FLOOR BOX PROVIDED BY ELECTRICAL. PROVIDE JACKS AND TERMINATION PLATES AS NECESSARY.
  - 6. PROVIDE HDMI CABLE BETWEEN FLOOR BOX AND TV TERMINATE ON BOTH ENDS.
  - 7. COORDINATE EXACT ROOM LAYOUT WITH OWNER.

- TELE/DATA SPECIFIC NOTES:**
- 1. DATA RACK. SECURE TO FLOOR.
  - 2. RACK MOUNTED MODULAR PATCH PANELS. PROVIDE QUANTITY FOR 125% OF DATATELEPHONE CABLES.
  - 3. PROVIDE CAT6 CABLE TO DATATELEPHONE LOCATIONS AS INDICATED. TERMINATE DATA CABLES TO PATCH PANELS.
  - 4. PROVIDE VERTICAL CABLE MANAGEMENT ALONG BOTH SIDES OF DATA RACK.
  - 5. HORIZONTAL CABLE MANAGEMENT, LOCATED BELOW EACH MODULAR PATCH PANEL.
- GENERAL NOTES:**
- A. PATCH PANELS SHOWN FOR DESCRIPTIVE PURPOSES ONLY. CONTRACTOR TO VERIFY ACTUAL NUMBER OF PATCH PANELS REQUIRED.



3 TECHNOLOGY RISER  
NO SCALE



www.htg-architects.com  
Minneapolis Bismarck

1010 Mainstreet, Suite 100  
Hopkins, MN 55343  
Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES  
FEDERAL CREDIT UNION

NEW BUILDING  
605 WEST AVE S.  
LA CROSSE, WI

ISSUED SET 2026-03-27

REVISIONS

DATE NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fuls  
40887 2026-03-27  
Reg No. Date



Emanuelson-Podas, Inc.  
7705 Bush Lake Road  
Edina, MN 55425  
(952) 930-0050 | www.epinc.com

MAIN LEVEL PLAN -  
TECHNOLOGY

Drawn By: FSB Checked By: KDM

T1.1

3392.0002  
COPYRIGHT © HTG ARCHITECTS

Autodesk Docs:3392.0002 Mayo FFCU - Licensee Whitney EFCU - Licensee WI MEP 2025.rvt  
 3/26/2026 7:16:52 PM