

| NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| <p>1. ALL EXPOSED RACEWAYS ARE TO BE INSTALLED PARALLEL OR PERPENDICULAR TO WALLS OR STRUCTURAL MEMBERS SUCH THAT THEY FOLLOW STRUCTURAL SURFACE CONTOURS AND SHALL BE INSTALLED SUCH THAT THEY DO NOT OBSTRUCT PASSAGEWAYS OR ACCESS TO EQUIPMENT. MULTIPLE RACEWAYS SHOULD BE INSTALLED GROUPED TOGETHER. THE LOCATION OF PUBLICLY VISIBLE RACEWAYS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. (EXTRA TIME SHOULD BE ALLOWED FOR THIS REVIEW AND APPROVAL.)</p> <p>2. THE DISCONNECTING MEANS FOR ALL MECHANICAL EQUIPMENT SHALL BE ACCESSIBLE AND HAVE THE CLEARANCE IN FRONT AS REQUIRED BY NEC AMENDMENTS.</p> <p>3. ALL CEILING ATTACHED OBJECTS AND FLOOR ATTACHED EQUIPMENT INCLUDING BUT NOT LIMITED TO PENDANT LIGHTING FIXTURES, GENERAL LIGHTING, MULTIPLE RACEWAYS, GENERATOR, TRANSFORMER ELECTRICAL SWITCHBOARDS SHALL BE INSTALLED IN ACCORDANCE WITH SUPPORTING OBJECTS FOR SEISMIC ZONE AS REQUIRED BY STATE AND LOCAL CODES.</p> <p>4. ALL NEW TRANSFORMERS SHALL HAVE A 4 INCH HOUSE KEEPING PAD. UNDER NO CONDITION SHALL THE HIGHEST SWITCH OR BREAKER EXCEED 6'-6" AFF.</p> <p>5. DATA GIVEN ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED. ABSOLUTE ACCURACY IS NOT GUARANTEED AND THE CONTRACTOR SHALL OBTAIN AND VERIFY EXACT LOCATIONS, MEASUREMENTS, LEVELS, SPACE REQUIREMENTS, POTENTIAL CONFLICTS WITH OTHER TRADES, ETC. AT THE SITE AND SHALL SATISFACTORILY ADAPT THEIR WORK TO ACTUAL CONDITIONS AT THE BUILDINGS. THE DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND SHALL NOT BE SCALED. HOWEVER THIS DOES NOT RELIEVE ANY SUB-CONTRACTOR FROM COORDINATING THEIR WORK WITH ALL OTHER TRADES AND FROM ADJUSTING THEIR WORK AS REQUIRED BY THE ACTUAL CONDITIONS OF THE PROJECT. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING COSTS TO BECOME THOROUGHLY FAMILIAR WITH THE ACTUAL CONDITIONS OF THE PROJECT.</p> <p>6. COORDINATE AND ADJUST ALL WORK BETWEEN TRADES AND EXISTING CONDITIONS IN ORDER TO ACCOMPLISH A NEAT, INTEGRATED AND EFFICIENT INSTALLATION WHICH INCLUDE BUT ARE NOT LIMITED TO:</p> <p>a. EXAMINE THE CONTRACT DOCUMENTS OF ALL TRADES (IE. THE ARCHITECTURAL REFLECTED CEILING PLAN, MECHANICAL HVAC DRAWINGS, ELECTRICAL LIGHTING PLAN, FIRE PROTECTION PLAN, ETC.).</p> <p>b. COORDINATE NECESSARY EQUIPMENT, FIXTURES, ETC. SO THAT THE FINAL INSTALLATION IS COMPATIBLE WITH THE MATERIALS AND EQUIPMENT OF THE OTHER TRADES.</p> <p>c. THIS CONTRACTOR SHALL ASSIST THE DIVISION 23 CONTRACTOR IN PREPARING SHOP DRAWINGS FOR COORDINATING INSTALLATION OF ALL WORK (IE. LOCATING ALL LIGHTING FIXTURES IN CEILING WITH CEILING CLEARANCES, RACEWAYS, PIPING, EQUIPMENT FOR CLEARANCE THROUGHOUT).</p> <p>d. THE ELECTRICAL DRAWINGS INDICATE THE ELECTRICAL REQUIREMENTS FOR A SIGNIFICANT PORTION OF THE MECHANICAL AND PLUMBING SYSTEMS. ADDITIONAL MECHANICAL AND PLUMBING EQUIPMENT IS INDICATED ON THE DIVISION 23 DRAWINGS. REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE COMPLETE WIRING AND FUSIBLE DISCONNECTING MEANS FOR ALL MECHANICAL AND PLUMBING EQUIPMENT.</p> <p>7. DEFINITIONS:</p> <p>a. "FURNISH" MEANS TO "SUPPLY" AND USUALLY REFERS TO AN ITEM OF EQUIPMENT.</p> <p>b. "INSTALL" MEANS TO "SET IN PLACE, CONNECT AND PLACE IN FULL OPERATIONAL ORDER".</p> <p>c. "PROVIDE" MEANS TO "FURNISH AND INSTALL".</p> <p>d. "EQUIVALENT" MEANS "MEETS THE SPECIFICATIONS OF THE REFERENCE PRODUCT OR ITEM IN ALL SIGNIFICANT ASPECTS". SIGNIFICANT ASPECTS SHALL BE DETERMINED BY THE ENGINEER.</p> <p>e. "RE- DIVISION", AND SIMILAR EXPRESSIONS MEANS WORK TO BE PERFORMED UNDER THE CONTRACT DOCUMENTS, BUT NOT NECESSARILY UNDER THE DIVISION OR SECTION OF THE WORK ON WHICH THE NOTE APPEARS. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO COORDINATE THE WORK OF THE CONTRACT BETWEEN THEIR SUPPLIERS, SUBCONTRACTORS, AND EMPLOYEES. IF CLARIFICATION IS REQUIRED, CONSULT ARCHITECT.</p> <p>8. "FIRESTOPPING" REQUIREMENT. ALL PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE SEALED WITH MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASSES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC FOR FIRE STOPS ASTM-E-814. ALL PENETRATIONS SHALL MEET F AND T RATINGS AS REQUIRED BY THE BUILDING CODE.</p> <p>9. CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTS AS REQUIRED FOR A COMPLETE OPERABLE ELECTRICAL INSTALLATION INCLUDING MISCELLANEOUS STEEL, UNI-STRUT, ALL-THREAD, AIRCRAFT CABLE, ETC.</p> <p>10. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR ALL SINGLE PHASE CIRCUITS. A SHARED NEUTRAL CONDUCTOR IS NOT ACCEPTABLE ON SINGLE PHASE CIRCUITS.</p> <p>11. PROVIDE NEW TYPED WRITTEN DIRECTORIES FOR ALL PANELBOARDS INSTALLED OR MODIFIED UNDER THIS CONTRACT.</p> <p>12. ALL CIRCUIT BREAKER LUGS SHALL BE RATED FOR A MINIMUM OF 75 DEGREES CELSIUS.</p> <p>13. ALL MATERIALS IN CEILING PLENUMS NOT ENCLOSED IN METALLIC CONDUIT SHALL HAVE CLASS, FLAME SPREAD AND SMOKE DEVELOPMENT RATINGS AS REQUIRED FOR USE IN OPEN PLENUMS.</p> <p>14. VOLTAGE DROP: THE ELECTRICAL CONTRACTOR SHALL ENSURE THAT VOLTAGE DROP FOR FEEDERS TO DISTRIBUTION EQUIPMENT DOES NOT EXCEED 2% AND VOLTAGE DROP IN BRANCH CIRCUITING DOES NOT EXCEED 3% FOR OVERALL VOLTAGE DROP OF 5% (MAXIMUM). FEEDERS LISTED ON SCHEDULES AND THE ELECTRICAL ONE-LINE DIAGRAM ARE A BASE FEEDER/BRANCH CIRCUIT SIZE AND SHALL BE ADJUSTED AS NEEDED BASED ON ACTUAL LENGTHS OF CONDUCTORS.</p> <p>15. MAINTAIN EXISTING UTILITY SERVICES, WHERE NECESSARY TO CUT EXISTING CONDUITS, WIRES, CABLES, ETC. OF UTILITY SERVICES OR FIRE PROTECTION SYSTEMS, THEY SHALL BE CUT AND CAPPED AT SUITABLE PLACES OR WHERE DIRECTED BY THE OWNER'S REPRESENTATIVE.</p> <p>16. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING OF ANY PLANNED UTILITY INTERRUPTIONS INCLUDING INTERRUPTIONS OF POWER TO COMMUNICATIONS AND FIRE PROTECTION SYSTEMS AT LEAST 48 HOURS IN ADVANCE OR AS OTHERWISE SPECIFIED. THE REQUEST SHALL STATE THE REASON, DATE, BEGINNING TIME, AND EXPECTED DURATION OF SUCH INTERRUPTIONS. NO INTERRUPTIONS SHALL BE MADE WITHOUT THE OWNER'S WRITTEN APPROVAL AND SUCH INTERRUPTIONS SHALL BE COORDINATED WITH THE OWNER TO CAUSE THE LEAST INCONVENIENCE TO THE OWNER'S OPERATIONS.</p> <p>17. CONTRACTOR SHALL PATCH AND FILL OPENINGS IN FLOORS, WALLS AND CEILINGS FOR REMOVED EQUIPMENT OR PIPING WITH THE SAME MATERIAL, FIRE AND STRUCTURAL INTEGRITY THAT WOULD HAVE EXISTED PRIOR TO THE PENETRATION INCLUDING CONCRETE, BLOCK, GYP WALLBOARD, EXTERIOR WALLS, ROOF MEMBRANES ETC. EXCEPT FOR STEEL AND WOOD BEAMS WHICH SHALL HAVE THE OPENINGS CAPPED WITH SIMILAR MATERIAL.</p> <p>18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING UTILITIES OR LOCATING SERVICES AND OBTAINING LOCATIONS OF ALL UNDERGROUND SERVICES IN THE GENERAL AREA OF DEMOLITION WORK.</p> <p>19. MATERIALS USED IN RESTORATION OR REPAIRING WORK RELATED TO DEMOLITION AND RELOCATION SHALL CONFORM IN TYPE, QUALITY, AND FUNCTION TO THAT OF THE ORIGINAL EXISTING CONSTRUCTION OR AS OTHERWISE INDICATED.</p> <p>20. ITEMS REMOVED OR NOTED TO BE RETAINED BY THE OWNER BUT WHICH ARE DECLINED TO BE RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR. ALL HAZARD WASTE SHALL BE PROPERLY DISPOSED OF BY A LICENSED HAZARD WASTE DISPOSAL FACILITY. ITEMS SHALL INCLUDE BUT NOT LIMITED TO FLUORESCENT LAMPS, SMOKE DETECTORS, ETC.</p> |                                                            | <p><b>A</b></p> <p>A/AMP AMPERE</p> <p>AC ABOVE COUNTER</p> <p>AF AMPERE FUSE/FRAME</p> <p>AFF ABOVE FINISHED FLOOR</p> <p>AFG ABOVE FINISHED GRADE</p> <p>AHU AIR HANDLING UNIT</p> <p>AIC AVAILABLE INTERRUPT CURRENT</p> <p>AL ALUMINUM</p> <p>AM AMMETER</p> <p>ANN ANNUNCIATOR</p> <p>ANT ANTENNA</p> <p>ASC AVAILABLE SHORT-CIRCUIT CURRENT</p> <p>ATS AUTOMATIC TRANSFER SWITCH</p> <p>AUTO AUTOMATIC</p> <p>AUX AUXILIARY</p> <p>AWG AMERICAN WIRE GAUGE</p> <p><b>B</b></p> <p>BCST BROADCAST</p> <p>BFC BELOW FINISHED CEILING</p> <p>BFG BELOW FINISHED GRADE</p> <p>BKR BREAKER</p> <p>BOH BACK OF HOUSE</p> <p>BW BACK-WAY</p> <p><b>C</b></p> <p>C CONDUIT</p> <p>CAB CABINET</p> <p>CAM CAMERA</p> <p>CB CIRCUIT BREAKER</p> <p>CCTV CLOSED CIRCUIT TELEVISION</p> <p>CKT CIRCUIT</p> <p>CO CONDUIT ONLY</p> <p>COMB COMBINATION</p> <p>COMP COMPUTER</p> <p>COND CONDUCTOR</p> <p>CT CURRENT TRANSFORMER</p> <p>CU COPPER</p> <p><b>D</b></p> <p>D DEMOLISH</p> <p>DAS DISTRIBUTED ANTENNA SYSTEM</p> <p>dB DECIBEL</p> <p>DEMARC DEMARCATION</p> <p>DISC DISCONNECT</p> <p>DL DAMP LABEL</p> <p>DP DISTRIBUTION PANEL</p> <p>DPDT DOUBLE POLE, DOUBLE THROW</p> <p>DWG DRAWING</p> <p>DVR DIGITAL VIDEO RECORDER</p> <p><b>E</b></p> <p>E/EX EXISTING</p> <p>EA EACH</p> <p>EC ELECTRICAL CONTRACTOR</p> <p>EF EXHAUST FAN</p> <p>EG EQUIPMENT GROUND</p> <p>EHC ELECTRIC HEATING COIL</p> <p>ELEC ELECTRIC OR ELECTRICAL</p> <p>ELEV ELEVATOR</p> <p>EM EMERGENCY</p> <p>EMT ELECTRIC METALLIC TUBING</p> <p>ENG ELECTRONIC NEWS GATHERING</p> <p>EOL F/A END OF LINE RESISTOR</p> <p>EQP EQUIPMENT</p> <p>ER EXISTING TO BE REMOVED/RELOCATED</p> <p>EV ELECTRIC VEHICLE</p> <p>EWG ELECTRIC WATER COOLER</p> <p>EWH ELECTRIC WATER HEATER</p> <p>EXH EXHAUST</p> <p><b>F</b></p> <p>F FUSE</p> <p>F/A FIRE ALARM</p> <p>FACP FIRE ALARM CONTROL PANEL</p> <p>FAPS FIRE ALARM POWER SUPPLY</p> <p>FATP FIRE ALARM TRANSPONDER PANEL</p> <p>FBO FURNISHED BY OTHERS</p> <p>FC FOOTCANDLES</p> <p>FDR FEEDER</p> <p>FCU FAN COIL UNIT</p> <p>FLA FULL LOAD AMPS</p> <p>FLEX FLEXIBLE</p> <p>FLR FLOOR</p> <p>FPB FAN POWERED BOX</p> <p>FUT FUTURE</p> <p><b>G</b></p> <p>GALV GALVANIZED</p> <p>GB GROUNDING BUS</p> <p>GEN GENERATOR</p> <p>GFCI GROUND FAULT CIRCUIT INTERRUPTER</p> <p>GND GROUND</p> <p><b>H</b></p> <p>HC HORIZONTAL CROSS CONNECT</p> <p>HD HEAVY DUTY</p> <p>HH HAND HOLE</p> <p>HOA HAND-OFF-AUTO</p> <p>HP HORSEPOWER</p> <p>HPF HIGH POWER FACTOR</p> <p>HTR HEATER</p> <p><b>I</b></p> <p>IC INTERMEDIATE CROSS CONNECT</p> <p>ID INSIDE DIAMETER</p> <p>IDF INTERMEDIATE DISTRIBUTION FRAME</p> <p>IMC INTERMEDIATE GRADE METALLIC CONDUIT</p> <p><b>J</b></p> <p>J-BOX JUNCTION BOX</p> <p>JBA AUDIO CONNECTION BOX</p> <p>JBC COACHES JUNCTION BOX</p> <p>JBE ENG BROADCAST BOX</p> <p>JBT NETWORK BROADCAST CONNECTION BOX</p> <p><b>K</b></p> <p>KCMIL/MCM THOUSAND OF CIRCULAR MILLS</p> <p>KVA KILOVOLT AMPERE</p> <p>KW KILOWATT</p> <p>KWH KILOWATT HOUR</p> <p><b>L</b></p> <p>LA LIGHTNING ARRESTOR</p> <p>LAN LOCAL AREA NETWORK</p> <p>LCP LIGHTING CONTROL PANEL</p> <p>LED LIGHT EMITTING DIODE</p> <p>LFC LIQUID TIGHT FLEXIBLE CONDUIT</p> <p>LT LOW TEMPERATURE RATED DEVICES OR SIMILAR</p> <p>LTG LIGHTING</p> <p>LV LOW VOLTAGE</p> |                         | <p><b>M</b></p> <p>MA MILLIAMPERE</p> <p>MAX MAXIMUM</p> <p>MB MAIN BREAKERS</p> <p>MC MECHANICAL CONTRACTOR OR METAL CLAD</p> <p>MCC MOTOR CONTROL CENTER</p> <p>MCP MOTOR CIRCUIT PROTECTOR</p> <p>MDF MAIN DISTRIBUTION FRAME</p> <p>MDP MAIN DISTRIBUTION PANEL</p> <p>MECH MECHANICAL</p> <p>MFR MANUFACTURER</p> <p>MH MANHOLE</p> <p>MIN MINIMUM</p> <p>MLO MAIN LUGS ONLY</p> <p>MOCOP MAXIMUM OVERCURRENT PROTECTION</p> <p>MOV MOTOR OPERATED VALVE</p> <p>MPOE MAIN POINT OF ENTRY</p> <p>MTG MOUNTING HEIGHT</p> <p>MTS MANUAL TRANSFER SWITCH</p> <p>MS MOTOR STARTER</p> <p>MSB MAIN SWITCHBOARD</p> <p>MTD MOUNTED</p> <p>MTG MOUNTING</p> <p>MTGB MAIN TELECOMMUNICATIONS GROUND BUS</p> <p>MTR MAIN TELECOM ROOM</p> <p>MV MEDIUM VOLTAGE</p> <p><b>N</b></p> <p>N NEUTRAL</p> <p>NEC NATIONAL ELECTRICAL CODE</p> <p>NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION</p> <p>NF NOT FUSED</p> <p>NC NOT IN CONTRACT</p> <p>NC NORMALLY CLOSED</p> <p>NL NIGHT LIGHT</p> <p>NO NORMALLY OPEN</p> <p>NTS NOT TO SCALE</p> <p><b>O</b></p> <p>OC ON CENTER</p> <p>OCF OVERCURRENT PROTECTION</p> <p>OD OUTSIDE DIAMETER</p> <p>OH OVERHEAD</p> <p><b>P</b></p> <p>P POLE</p> <p>PA PUBLIC ADDRESS</p> <p>PB PUSH BUTTON</p> <p>PE PHOTOELECTRIC</p> <p>PF POWER FACTOR</p> <p>PH PHASE</p> <p>PNL PANEL</p> <p>PR PAIR</p> <p>PRI PRIMARY</p> <p>PT POTENTIAL TRANSFORMER</p> <p>PV PHOTOVOLTAIC</p> <p>PVC POLYVINYL CHLORIDE</p> <p>PWR POWER</p> <p><b>Q</b></p> <p>QE QUADRANT ELECTRICAL (ARENA SPECIFIC)</p> <p>QT QUADRANT TELECOM (ARENA SPECIFIC)</p> <p><b>R</b></p> <p>R EXISTING TO RELOCATE</p> <p>REC RECEPTACLE</p> <p>RGS RIGID GALVANIZED STEEL</p> <p>RM ROOM</p> <p>RPM REVOLUTIONS PER MINUTE</p> <p><b>S</b></p> <p>SCP SECURITY CONTROL PANEL</p> <p>SEC SECONDARY/SECOND</p> <p>SECT SECTION</p> <p>SHT SHEET</p> <p>SEC SECONDARY CONNECTION CABINET</p> <p>SECM SECONDARY MAIN POINT OF ENTRY</p> <p>SP SERVICE PROVIDER</p> <p>SPD SURGE PROTECTIVE DEVICE</p> <p>SPDT SINGLE POLE, DOUBLE THROW</p> <p>ST SHUNT TRIP</p> <p>STD STANDARD</p> <p>SW SWITCH</p> <p>SWBD SWITCHBOARD</p> <p>SWGR SWITCHGEAR</p> <p><b>T</b></p> <p>T TWIST LOCK</p> <p>TBB TELECOMMUNICATIONS BONDING BACKBONE</p> <p>TBD TO BE DETERMINED</p> <p>TC TIME CLOCK</p> <p>TEL TELEPHONE</p> <p>TELCO TELEPHONE COMPANY</p> <p>TELCOM TELECOMMUNICATIONS</p> <p>TEMP TEMPERATURE</p> <p>TGB TELECOMMUNICATIONS GROUND BUS</p> <p>TO THERMAL OVERLOAD</p> <p>TR TAMPER RESISTANT</p> <p>TYP TYPICAL</p> <p><b>U</b></p> <p>UC UNDER COUNTER</p> <p>UG UNDERGROUND</p> <p>UGP UNDERGROUND PRIMARY</p> <p>USG UNDERGROUND SECONDARY</p> <p>UH UNIT HEATER</p> <p>UL UNDERWRITER LABORATORIES</p> <p>UNO UNLESS NOTED OTHERWISE</p> <p>UPS UNINTERRUPTIBLE POWER SUPPLY</p> <p>USB UNIVERSAL SERIAL BUS</p> <p><b>V</b></p> <p>V VOLT</p> <p>VA VOLT-AMPERE</p> <p>VAV VARIABLE AIR VOLUME</p> <p>VFD VARIABLE FREQUENCY DRIVE</p> <p>VM VOLT-METER</p> <p><b>W</b></p> <p>W WATT</p> <p>W/ WITH</p> <p>W/O WITHOUT</p> <p>WH WATT HOUR</p> <p>WHM WATT HOUR METER</p> <p>WLAN WIRELESS-LOCAL AREA NETWORK</p> <p>WP WEATHERPROOF</p> <p>WPL WEATHER PROOF LOCKABLE ENCLOSURE.</p> <p>WT WATERTIGHT</p> <p><b>X</b></p> <p>XFMR TRANSFORMER</p> <p>XP EXPLOSION PROOF</p> |  | <p><b>LIGHTING</b></p> <p>STRIP LIGHT</p> <p>WALL MOUNTED STRIP LIGHT</p> <p>WALL MOUNTED LINEAR</p> <p>RECESSED LINEAR</p> <p>RECESSED LIGHTING FIXTURE W/DOWNLIGHTS</p> <p>RECESSED 2'X2'</p> <p>RECESSED 2'X4'</p> <p>SURFACE MOUNTED 2'X4'</p> <p>SURFACE MOUNTED 2'X2'</p> <p>SURFACE MOUNTED 1'X4'</p> <p>RECESSED WALL / STEP LIGHT</p> <p>WALL MOUNTED FLOODLIGHT</p> <p>WALL MOUNTED SCONCE</p> <p>SURFACE MOUNTED DOWN LIGHT</p> <p>SURFACE MOUNTED WALL WASH</p> <p>RECESSED DOWN LIGHT</p> <p>RECESSED WALL WASH</p> <p>RECESSED 1'X4 WALL WASH</p> <p>LINEAR PENDANT</p> <p>LINEAR PENDANT W/DOWNLIGHTS</p> <p>PENDANT LIGHT</p> <p>MONOPOINT TRACKHEAD</p> <p>LINEAR LIGHT</p> <p>TRACK WITH TRACKHEADS</p> <p>BURIAL FIXTURE</p> <p>POLE MOUNTED LIGHT WITH ARM</p> <p>POLE MOUNTED LIGHT POST TOP MOUNTING/BOLLARD</p> <p>CEILING MOUNTED EXIT SIGN</p> <p>EXIT SIGN WITH DIRECTIONAL</p> <p>WALL MOUNTED EXIT SIGN ARROWS (CHEVRONS)</p> <p>EMERGENCY LIGHTING UNIT</p> <p>UL924 EMERGENCY AUTOMATIC TRANSFER DEVICE</p> <p>POWER SUPPLY</p> <p>OCCUPANCY SENSOR - CEILING MOUNTED (RE: 8/E8.002)</p> <p>DAYLIGHT SENSOR - CEILING MOUNTED (RE: 8/E8.002)</p> <p>OCCUPANCY SENSOR - WALL SWITCH (RE: 9/E8.002)</p> <p>OCCUPANCY SENSOR - 180° (RE: 7/E8.002)</p> <p>DIMMER SWITCH / STATION (RE: 2/E8.002 OR 5/E8.002 FOR MULTI-ZONE SWITCH)</p> <p>DIMMER / OCCUPANCY SENSOR COMBINATION SWITCH (RE: 3/E8.002)</p> <p>SCENE CONTROL STATION (RE: 4/E8.002)</p> <p>TOUCH PANEL CONTROL STATION (RE: 1/E8.002)</p> <p>LOW VOLTAGE SWITCH (RE: 7/E8.002)</p> <p>SINGLE POLE SWITCH</p> <p>SHADED SYMBOLS DENOTE EMERGENCY FIXTURES</p> <p><b>FIRE ALARM</b></p> <p>SMOKE DETECTOR</p> <p>WALL SMOKE DETECTOR</p> <p>SMOKE/CARBON MONOXIDE DETECTOR</p> <p>WALL SMOKE/CARBON MONOXIDE DETECTOR</p> <p>HEAT DETECTOR</p> <p>DUCT DETECTOR</p> <p>BEAM DETECTOR RECEIVER</p> <p>BEAM DETECTOR TRANSMITTER</p> <p>VOICE EVAC PANEL</p> <p>ELEVATOR STATUS PANEL</p> <p>CEILING MOUNTED SPEAKER</p> <p>WALL MOUNTED SPEAKER</p> <p>CEILING MOUNTED SPEAKERSTROBE</p> <p>WALL MOUNTED SPEAKER/STROBE</p> <p>WALL MOUNTED SILENTONE</p> <p>FIRE SERVICE PHONE</p> <p>FIREMAN'S PHONE JACK</p> <p>ROTATING BEACON</p> <p>MANUAL PULL STATION</p> <p>MAGNETIC DOOR HOLD OPEN DEVICE</p> <p>TAMPER SWITCH</p> <p>FLOW SWITCH</p> <p>CEILING MOUNTED REMOTE INDICATOR LIGHT</p> <p>WALL MOUNTED REMOTE INDICATOR LIGHT</p> <p>WALL MOUNTED ADA STROBE</p> <p>CEILING MOUNTED ADA STROBE</p> <p>ADDRESSABLE INPUT MODULE</p> <p>FIRE ALARM ADDRESSABLE RELAY</p> <p>ALARM BELL</p> <p>FIRE SMOKE DAMPER RE: DETAIL 17/E8.000</p> <p>SMOKE CONTROL DAMPER</p> <p>CARBON MONOXIDE DETECTOR</p> <p>FIRE ALARM ANNUNCIATOR PANEL</p> <p>FIRE ALARM CONTROL PANEL</p> <p>TWO-WAY COMMUNICATION / AREA OF RESCUE ASSISTANCE CALL BUTTON RE: DETAIL 17/E8.001</p> <p>TWO-WAY COMMUNICATION / AREA OF RESCUE ASSISTANCE (BASE STATION) RE: DETAIL 17/E8.001</p> |  | <p><b>POWER</b></p> <p>WALL SIMPLEX RECEPTACLE</p> <p>WALL DUPLEX RECEPTACLE</p> <p>WALL DUPLEX WITH USB</p> <p>WALL DUPLEX WITH CONTROL OF ONE OUTLET</p> <p>WALL DUPLEX RECEPTACLE (EMERGENCY)</p> <p>WALL FOURPLEX RECEPTACLE</p> <p>WALL FOURPLEX RECEPTACLE (EMERGENCY)</p> <p>WALL SPECIAL RECEPTACLE (FOR "X" SEE RECEPTACLE MODIFIER TAGS TABLE)</p> <p>WALL SPECIAL RECEPTACLE (EMERGENCY) (FOR "X" SEE RECEPTACLE MODIFIER TAGS TABLE)</p> <p>FLAT PANEL BACK BOX - POWER MOUNTED WITHIN AV BACK BOX</p> <p>WALL COMBINATION TV / POWER OUTLET</p> <p>WALL CLOCK RECEPTACLE</p> <p>WALL JUNCTION BOX</p> <p>WALL FURNITURE FEED</p> <p>FLOOR DUPLEX RECEPTACLE</p> <p>FLOOR FOURPLEX RECEPTACLE (POWER/DATA/COMBO DEVICE. REFER TO TECHNOLOGY DRAWINGS)</p> <p>FLOOR FOURPLEX RECEPTACLE WITH AV (POWER/DATA/AV COMBO DEVICE. REFER TO TECH. DRAWINGS)</p> <p>CONVENTION CENTER FLOOR BOX.</p> <p>JUNCTION BOX</p> <p>FLOOR FURNITURE FEED</p> <p>CEILING RECEPTACLE</p> <p>CEILING DUPLEX RECEPTACLE</p> <p>CEILING FOURPLEX RECEPTACLE</p> <p>CEILING / FLOOR SPECIAL RECEPTACLE (FOR "X" SEE RECEPTACLE MODIFIER TAGS TABLE)</p> <p>CEILING JUNCTION BOX</p> <p>CEILING TV OUTLET</p> <p>POWER POLE</p> <p>SINGLE TOGGLE SWITCH</p> <p>PLUGMOLD</p> <p>EMERGENCY POWER OFF</p> <p>SINGLE PUSH BUTTON</p> <p>DUPLEX PUSH BUTTON</p> <p><b>EQUIPMENT</b></p> <p>MOTOR</p> <p>MOTOR AND DISCONNECT</p> <p>MOTOR AND FUSED DISCONNECT</p> <p>MOTOR AND CIRCUIT BREAKER DISCONNECT</p> <p>VARIABLE FREQUENCY DRIVE/MOTOR CONTROLLER</p> <p>NON-FUSED DISCONNECT</p> <p>FUSED DISCONNECT</p> <p>CIRCUIT BREAKER</p> <p>BRANCH CIRCUIT OR POWER PANEL</p> <p>LIGHTING CONTROL PANEL</p> <p>ELECTRICAL EQUIPMENT FREESTANDING OR WALL MOUNT</p> <p>METER</p> <p>CURRENT TRANSFORMER</p> <p>GROUND</p> <p>DELTA WYE WITH GROUND</p> <p>POWER TRANSFORMER</p> <p>FUSE &amp; SWITCH</p> <p>CIRCUIT BREAKER</p> <p>DRAWOUT CIRCUIT BREAKER</p> <p>KIRK-KEY INTERLOCK</p> <p>GROUND FAULT INTERRUPTER BREAKER</p> <p>CIRCUIT MONITORING DEVICE</p> <p>MECHANICAL EQUIPMENT IDENTIFICATION TAG</p> <p>SHORT CIRCUIT FAULT CALCULATION TAG REFER TO TABLE ON ONE-LINE DIAGRAM</p> <p>SURGE PROTECTION DEVICE</p> <p>THERMAL OVERLOAD</p> <p>MOTOR AND THERMAL OVERLOAD</p> <p>COMPANY SWITCH OR CAM-LOCK PANEL</p> <p>AUTOMATIC TRANSFER SWITCH</p> <p>GENERATOR DOCKING STATION</p> <p>ELECTRICAL PANEL (NUMBER OF SECTIONS)</p> <p>EQUIPMENT IDENTIFICATION TAG REFER TO ELECTRICAL EQUIPMENT SCHEDULE</p> |  | <p><b>RACEWAY LEGEND</b></p> <p>BRANCH CIRCUIT HOMERUN TO PANELBOARD. NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS, NUMERICAL INDICATES CIRCUIT NUMBER.</p> <p>BRANCH CIRCUIT HOMERUN CONTROLLED BY LIGHTING CONTROL SYSTEM. FIRST HEXAGON LETTER CORRESPONDS TO FIRST CIRCUIT NUMBER. (ie. CIRCUIT #2 IS ON ZONE A). REFER TO LIGHTING CONTROL MATRIX FOR LIGHTING ZONES.</p> <p>MOTOR CONNECTION</p> <p>UNDERGROUND FEEDER</p> <p>UNDERGROUND BRANCH CIRCUIT HOMERUN</p> <p>CONDUIT UP</p> <p>CONDUIT DOWN</p> <p>CONDUIT RUNS UNDERFLOOR OR BELOW GRADE</p> <p>CONDUIT RUN CONCEALED IN WALLS OR CEILING, OR EXPOSED WHEN CEILING ARE NOT PRESENT.</p> <p>OR</p> <p><b>RECEPTACLE MODIFIER TAGS</b></p> <table><thead><tr><th>TAG</th><th>OUTLET RATING</th><th>NEMA/CAT NO</th><th>FEEDER (NOTE 1)</th><th>WIRING NOTES</th></tr></thead><tbody><tr><td>A</td><td>NOT USED</td><td>-</td><td>-</td><td>-</td></tr><tr><td>B</td><td>NON-LOCKING, 30A, 125V, 1PH</td><td>5-30R</td><td>2#10,#10G,3/4" (60FT)</td><td>HOT-NEUT-GND</td></tr><tr><td>C</td><td>NON-LOCKING, 20A, 250V, 1PH</td><td>6-20R</td><td>2#12,#12G,3/4" (100FT)</td><td>HOT-HOT-GND</td></tr><tr><td>D</td><td>NON-LOCKING, 30A, 250V, 1PH</td><td>6-30R</td><td>2#10,#10G,3/4" (120FT)</td><td>HOT-HOT-GND</td></tr><tr><td>E</td><td>NON-LOCKING, 50A, 250V, 1PH</td><td>6-50R</td><td>2#6,#10G,3/4" (150FT)</td><td>HOT-HOT-GND</td></tr><tr><td>F</td><td>NOT USED</td><td>-</td><td>-</td><td>-</td></tr><tr><td>G</td><td>NON-LOCKING, 20A, 125/250V, 1PH</td><td>14-20R</td><td>3#12,#12G,3/4" (100FT)</td><td>HOT-HOT-NEUT-GND</td></tr><tr><td>H</td><td>NOT USED</td><td>-</td><td>-</td><td>-</td></tr><tr><td>I</td><td>NOT USED</td><td>-</td><td>-</td><td>-</td></tr><tr><td>J</td><td>LOCKING, 20A, 125V, 1PH</td><td>L5-20R</td><td>2#12,#12G,3/4" (50FT)</td><td>HOT-NEUT-GND</td></tr><tr><td>K</td><td>LOCKING, 30A, 125V, 1PH</td><td>L5-30R</td><td>2#10,#10G,3/4" (60FT)</td><td>HOT-NEUT-GND</td></tr><tr><td>L</td><td>LOCKING, 30A, 250V, 1PH</td><td>L6-30R</td><td>2#12,#12G,3/4" (100FT)</td><td>HOT-HOT-GND</td></tr><tr><td>M</td><td>LOCKING, 30A, 250V, 1PH</td><td>L6-30R</td><td>2#10,#10G,3/4" (120FT)</td><td>HOT-HOT-GND</td></tr><tr><td>N</td><td>NOT USED</td><td>-</td><td>-</td><td>-</td></tr><tr><td>O</td><td>NOT USED</td><td>-</td><td>-</td><td>-</td></tr><tr><td>P</td><td>LOCKING, 20A, 125/250V, 1PH</td><td>L14-20R</td><td>3#12,#12G,3/4" (100FT)</td><td>HOT-HOT-NEUT-GND</td></tr><tr><td>Q</td><td>LOCKING, 30A, 125/250V, 1PH</td><td>L14-30R</td><td>3#10,#10G,3/4" (120FT)</td><td>HOT-HOT-NEUT-GND</td></tr><tr><td>R</td><td>NOT USED</td><td>-</td><td>-</td><td>-</td></tr><tr><td>S</td><td>LOCKING, 20A, 208Y/120V, 3PH</td><td>L21-20R</td><td>4#12,#12G,3/4" (120FT)</td><td>HOT-HOT-HOT-NEUT-GND</td></tr><tr><td>T</td><td>LOCKING, 30A, 208Y/120V, 3PH</td><td>L21-30R</td><td>4#10,#10G,3/4" (130FT)</td><td>HOT-HOT-HOT-NEUT-GND</td></tr><tr><td>V</td><td>LOCKING, 50A, 250V, 3PH</td><td>HLB CS8369</td><td>3#6,#10G,1" (175FT)</td><td>HOT-HOT-HOT-GND</td></tr><tr><td>W</td><td>PIN &amp; SLEEVE, 60A, 208Y/120V, 3PH</td><td>HLB 560R9W</td><td>4#4,#10G,1-1/4" (200FT)</td><td>HOT-HOT-HOT-NEUT-GND</td></tr><tr><td>X</td><td>PIN &amp; SLEEVE, 100A, 208Y/120V, 3PH</td><td>HLB 5100R9W</td><td>4#1,#8G,1-1/2" (250FT)</td><td>HOT-HOT-HOT-NEUT-GND</td></tr><tr><td>Y</td><td>NOT USED</td><td>-</td><td>-</td><td>-</td></tr><tr><td>Z</td><td>NOT USED</td><td>-</td><td>-</td><td>-</td></tr></tbody></table> <p>NOTE: DISTANCE NOTED IS MAXIMUM RUN LENGTH FOR WIRE SIZE. INCREASE PER NEC, INCLUDING GROUND, FOR LONGER RUNS OR FOR DERATING FACTORS (AMB TEMP, EXTERIOR, ETC.)</p> <p><b>ELECTRICAL SHEET LIST - GSQ</b></p> <table><thead><tr><th>Sheet Number</th><th>Sheet Name</th></tr></thead><tbody><tr><td>DE0.001</td><td>EXISTING ELECTRICAL ONE-LINE AND DEMOLITION</td></tr><tr><td>DE1.102</td><td>ELECTRICAL DEMOLITION PLAN - C &amp; F BUILDING LEVEL 02</td></tr><tr><td>DE1.103</td><td>ELECTRICAL DEMOLITION PLAN - A BUILDING LEVEL 02, 03, &amp; 04</td></tr><tr><td>DE1.104</td><td>LIGHTING DEMOLITION PLAN - C &amp; F BUILDING LEVEL 02</td></tr><tr><td>DE1.105</td><td>LIGHTING DEMOLITION PLAN - A BUILDING LEVEL 02, 03, &amp; 04</td></tr><tr><td>E0.000</td><td>ELECTRICAL LEGEND</td></tr><tr><td>E0.001</td><td>ELECTRICAL ONE-LINE</td></tr><tr><td>E0.002</td><td>GONDOLA SQUARE FIRE ALARM ONE-LINE DIAGRAM</td></tr><tr><td>E0.004</td><td>ELECTRICAL EQUIPMENT AND LIGHT FIXTURE SCHEDULES</td></tr><tr><td>E0.010</td><td>PANEL SCHEDULES</td></tr><tr><td>E0.011</td><td>PANEL SCHEDULES</td></tr><tr><td>E1.202</td><td>ELECTRICAL PLAN - C &amp; F BUILDING LEVEL 02</td></tr><tr><td>E1.203</td><td>ELECTRICAL PLAN - A BUILDING LEVEL 02, 03, &amp; 04</td></tr><tr><td>E1.302</td><td>LIGHTING PLAN - C &amp; F BUILDING LEVEL 02</td></tr><tr><td>E1.303</td><td>LIGHTING PLAN - A BUILDING LEVEL 02, 03, &amp; 04</td></tr><tr><td>E8.000</td><td>ELECTRICAL DETAILS</td></tr><tr><td>E8.001</td><td>ELECTRICAL DETAILS</td></tr><tr><td>E8.002</td><td>ELECTRICAL DETAILS</td></tr></tbody></table> |  | TAG | OUTLET RATING | NEMA/CAT NO | FEEDER (NOTE 1) | WIRING NOTES | A | NOT USED | - | - | - | B | NON-LOCKING, 30A, 125V, 1PH | 5-30R | 2#10,#10G,3/4" (60FT) | HOT-NEUT-GND | C | NON-LOCKING, 20A, 250V, 1PH | 6-20R | 2#12,#12G,3/4" (100FT) | HOT-HOT-GND | D | NON-LOCKING, 30A, 250V, 1PH | 6-30R | 2#10,#10G,3/4" (120FT) | HOT-HOT-GND | E | NON-LOCKING, 50A, 250V, 1PH | 6-50R | 2#6,#10G,3/4" (150FT) | HOT-HOT-GND | F | NOT USED | - | - | - | G | NON-LOCKING, 20A, 125/250V, 1PH | 14-20R | 3#12,#12G,3/4" (100FT) | HOT-HOT-NEUT-GND | H | NOT USED | - | - | - | I | NOT USED | - | - | - | J | LOCKING, 20A, 125V, 1PH | L5-20R | 2#12,#12G,3/4" (50FT) | HOT-NEUT-GND | K | LOCKING, 30A, 125V, 1PH | L5-30R | 2#10,#10G,3/4" (60FT) | HOT-NEUT-GND | L | LOCKING, 30A, 250V, 1PH | L6-30R | 2#12,#12G,3/4" (100FT) | HOT-HOT-GND | M | LOCKING, 30A, 250V, 1PH | L6-30R | 2#10,#10G,3/4" (120FT) | HOT-HOT-GND | N | NOT USED | - | - | - | O | NOT USED | - | - | - | P | LOCKING, 20A, 125/250V, 1PH | L14-20R | 3#12,#12G,3/4" (100FT) | HOT-HOT-NEUT-GND | Q | LOCKING, 30A, 125/250V, 1PH | L14-30R | 3#10,#10G,3/4" (120FT) | HOT-HOT-NEUT-GND | R | NOT USED | - | - | - | S | LOCKING, 20A, 208Y/120V, 3PH | L21-20R | 4#12,#12G,3/4" (120FT) | HOT-HOT-HOT-NEUT-GND | T | LOCKING, 30A, 208Y/120V, 3PH | L21-30R | 4#10,#10G,3/4" (130FT) | HOT-HOT-HOT-NEUT-GND | V | LOCKING, 50A, 250V, 3PH | HLB CS8369 | 3#6,#10G,1" (175FT) | HOT-HOT-HOT-GND | W | PIN & SLEEVE, 60A, 208Y/120V, 3PH | HLB 560R9W | 4#4,#10G,1-1/4" (200FT) | HOT-HOT-HOT-NEUT-GND | X | PIN & SLEEVE, 100A, 208Y/120V, 3PH | HLB 5100R9W | 4#1,#8G,1-1/2" (250FT) | HOT-HOT-HOT-NEUT-GND | Y | NOT USED | - | - | - | Z | NOT USED | - | - | - | Sheet Number | Sheet Name | DE0.001 | EXISTING ELECTRICAL ONE-LINE AND DEMOLITION | DE1.102 | ELECTRICAL DEMOLITION PLAN - C & F BUILDING LEVEL 02 | DE1.103 | ELECTRICAL DEMOLITION PLAN - A BUILDING LEVEL 02, 03, & 04 | DE1.104 | LIGHTING DEMOLITION PLAN - C & F BUILDING LEVEL 02 | DE1.105 | LIGHTING DEMOLITION PLAN - A BUILDING LEVEL 02, 03, & 04 | E0.000 | ELECTRICAL LEGEND | E0.001 | ELECTRICAL ONE-LINE | E0.002 | GONDOLA SQUARE FIRE ALARM ONE-LINE DIAGRAM | E0.004 | ELECTRICAL EQUIPMENT AND LIGHT FIXTURE SCHEDULES | E0.010 | PANEL SCHEDULES | E0.011 | PANEL SCHEDULES | E1.202 | ELECTRICAL PLAN - C & F BUILDING LEVEL 02 | E1.203 | ELECTRICAL PLAN - A BUILDING LEVEL 02, 03, & 04 | E1.302 | LIGHTING PLAN - C & F BUILDING LEVEL 02 | E1.303 | LIGHTING PLAN - A BUILDING LEVEL 02, 03, & 04 | E8.000 | ELECTRICAL DETAILS | E8.001 | ELECTRICAL DETAILS | E8.002 | ELECTRICAL DETAILS |
| TAG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| <p><b>TYPICAL DEVICE MOUNTING HEIGHTS</b></p> <p>THE ENTIRE LENGTH NOT LESS THAN 8" AND NOT GREATER THAN 8" AFF</p> <p>TOP OF PANEL</p> <p>TOP OF CABINET</p> <p>CONTROL PANELS</p> <p>NOT TO SCALE</p> <p>FINISHED FLOOR</p> <p>NOTE: ALL DEVICES INDICATED TO BE INSTALLED AT DIFFERENT MOUNTING HEIGHTS AND LOCATED WITHIN ONE STUD SPACE FROM EACH OTHER SHALL ALIGN VERTICALLY, ON THE SAME SIDE OF THE STUD, WHERE WALL MOUNTED TELEPHONES OCCUR OVER LIGHT SWITCHES, VOLUME CONTROLS, ETC. OFFSET ONE STUD SPACE.</p> <p>NOTES:</p> <p>1. MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL ELEVATIONS SHALL GOVERN OVER THOSE SHOWN ABOVE.</p> <p>2. CONTRACTOR SHALL ENSURE THAT ALL M</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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|   |                         |        |                        |             |   |                         |        |                        |             |   |          |   |   |   |   |          |   |   |   |   |                             |         |                        |                  |   |                             |         |                        |                  |   |          |   |   |   |   |                              |         |                        |                      |   |                              |         |                        |                      |   |                         |            |                     |                 |   |                                   |            |                         |                      |   |                                    |             |                        |                      |   |          |   |   |   |   |          |   |   |   |              |            |         |                                             |         |                                                      |         |                                                            |         |                                                    |         |                                                          |        |                   |        |                     |        |                                            |        |                                                  |        |                 |        |                 |        |                                           |        |                                                 |        |                                         |        |                                               |        |                    |        |                    |        |                    |

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**me**  
engineers

2021.05.21

BP4D - GONDOLA SQUARE INTERIORS  
BLDG. A, C AND F - ISSUE FOR PERMIT  
AND CONSTRUCTION

Project Name

**Steamboat Base Village  
Redevelopment**

Project Number

**003.7835.000**

Description

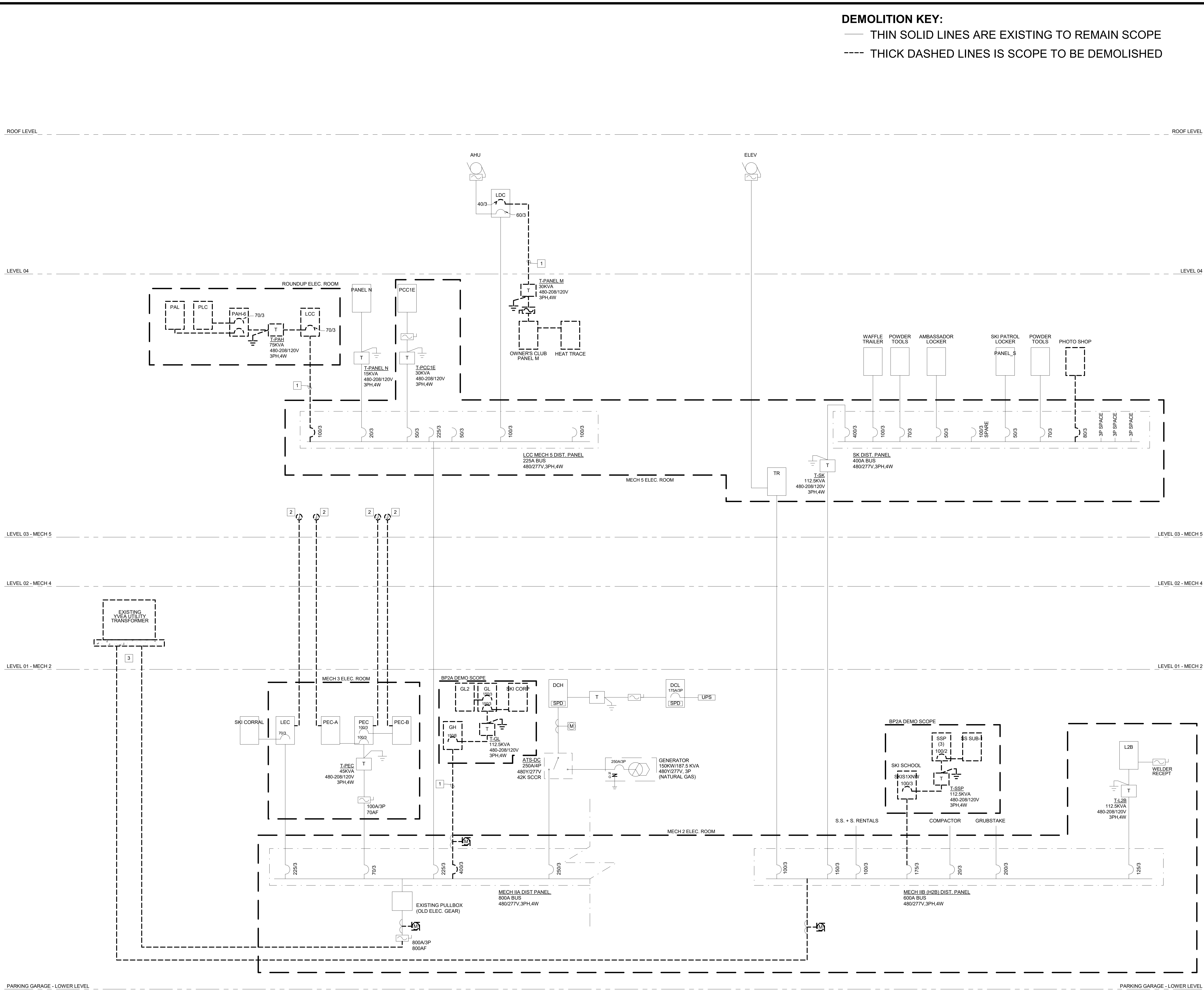
**ELECTRICAL LEGEND**

Scale

**1/8" = 1'-0"**

**E0.000**

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**DEMOLITION KEY:**  
— THIN SOLID LINES ARE EXISTING TO REMAIN SCOPE  
---- THICK DASHED LINES IS SCOPE TO BE DEMOLISHED

- GENERAL NOTES:**
1. ALL FEEDERS AND TERMINATIONS SHALL BE COPPER 75 DEGREE RATED.
  2. FEEDER LENGTHS ARE INDICATED FOR CALCULATION PURPOSES ONLY. THIS DRAWING IS NOT TO SCALE. FEEDERS LENGTHS MUST BE CONFIRMED WITH THE CONTRACTOR.
  3. ALL CONDUIT RUNS SHALL BE RAN PERPENDICULAR AND PARALLEL TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT RUNS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
  4. FOR CALCULATION PURPOSES THE FOLLOWING TRANSFORMER (2016 DOE) IMPEDANCES AND MAXIMUM SHORT CIRCUIT VALUES WERE USED 15 KVA-3.1 %Z, ISC=1,343A, 30 KVA-2.5 %Z, ISC=1,665A, 45 KVA-3.2 %Z, ISC=3,903A, 75 KVA-2.8 %Z, ISC=7,330A, 112.5 KVA-3.4 %Z, ISC=9,184A, 150 KVA-3.0 %Z, ISC=13,787A, 225 KVA-3.5 %Z, ISC=17,844A, 300 KVA-3.5 %Z, ISC=23,929A, 500 KVA-4.8 %Z, ISC=30,171A.
  5. PROVIDE FULL BUSSING FOR ALL SPACES INDICATED ON PANEL BOARDS AND DISTRIBUTION BOARDS.
  6. ALL EQUIPMENT TO BE FULLY RATED FOR THE AVAILABLE AMPS AT THE MAIN SERVICE.

- KEY NOTES:**
- 1 EXISTING WIRE IN CONDUIT TO BE DEMOLISHED. EXISTING CONDUIT AND FITTINGS SHALL BE FIELD VERIFIED FOR RE-USE WITH NEW ELECTRICAL EQUIPMENT. FULLY SWAB AND CLEAN ALL EXISTING CONDUIT TO REMAIN. REPLACE DAMAGED CONDUIT AND FITTINGS AS REQUIRED
  - 2 DEMOLISH EXISTING BRANCH CIRCUITING SERVING LOADS LOCATED IN BUILDING F.
  - 3 DEMOLITION AND REPLACEMENT OF EXISTING ELECTRICAL SERVICE SHALL BE COORDINATED WITH THE UTILITY AND OWNER FOR ALL OUTAGES. EXISTING SERVICE EQUIPMENT WILL BE RE-FED FROM NEW TRANSFORMER AND SWITCHBOARD.

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| △ | Date       | Description                                                                          |
|---|------------|--------------------------------------------------------------------------------------|
| - | 2021.05.21 | BP2A - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION |

Seal / Signature



Project Name  
**Steamboat Base Village  
Redevelopment**

Project Number  
**003.7835.000**

Description  
**EXISTING ELECTRICAL ONE-LINE  
AND DEMOLITION**

Scale  
**NOT TO SCALE**

**DE0.001**



| △ | Date       | Description                                                                                |
|---|------------|--------------------------------------------------------------------------------------------|
| - | 2021.05.21 | BPAD - GONDOLA SQUARE INTERIORS<br>BLDG. A, C AND F - ISSUE FOR PERMIT<br>AND CONSTRUCTION |

Seal / Signature



Project Name  
**Steamboat Base Village  
Redevelopment**

Project Number  
**003.7835.000**

Description  
**ELECTRICAL DEMOLITION PLAN - A  
BUILDING LEVEL 02, 03, & 04**

Scale  
**1/8" = 1'-0"**

**DE1.103**

| KEYNOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | GENERAL NOTES:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E28<br>EXISTING CONDUIT PATHWAY FROM<br>PANEL LDC TO TRANSFORMER TO BE<br>FIELD VERIFIED. MAINTAIN EXISTING<br>PATHWAY WHERE POSSIBLE FOR<br>RE-USE. IF CONDUIT CANNOT BE<br>RE-USED FOR THIS RENOVATION<br>SCOPE DEMOLISH ENTIRE RUN. IF<br>RE-USED, SWAB AND CLEAN CONDUIT<br>PATHWAY, AND REPLACE ANY<br>DAMAGED CONDUIT SEGMENTS OR<br>FITTINGS. EXISTING PATHWAY WILL<br>BE DEMOLISHED, INTERCEPTED, AND<br>EXTENDED TO NEW PANEL LOCATION<br>PER PLAN.                     | 1. THE LOCATION OF EXISTING EQUIPMENT<br>AND DEVICES ARE SHOWN FOR THE<br>CONVENIENCE OF THE CONTRACTOR.<br>ACCURACY OF THE INFORMATION SHOWN<br>IS NOT GUARANTEED. THE CONTRACTOR<br>IS RESPONSIBLE FOR THE VERIFICATION<br>OF ALL EXISTING CONDITIONS PRIOR TO<br>SUBMITTING THE PROJECT BID. NO<br>ADDITIONAL COMPENSATION WILL BE<br>ALLOWED FOR CHANGES WHICH OCCUR<br>AFTER BIDS ARE SUBMITTED WHICH ARE A<br>RESULT OF EXISTING CONDITIONS. SITE<br>VISITS PRIOR TO SUBMISSION OF BIDS<br>MUST BE FULLY COORDINATED WITH THE<br>OWNER.                                                                                                                                                                                                                                                                                                                                                                                           |
| E29<br>EXISTING HEAT TRACE BRANCH<br>CIRCUITS CURRENTLY SERVED FROM<br>THIS PANEL SHALL BE EXTENDED<br>AND REPOWERED FROM THE NEW<br>PANEL LOCATED IN THIS ROOM AS<br>INDICATED PER PLAN.                                                                                                                                                                                                                                                                                        | 2. DURING DEMOLITION AND NEW<br>CONSTRUCTION THE CONTINUATION OF<br>BUILDING SYSTEMS MAY BE NECESSARY.<br>TRACE AND IDENTIFY EXISTING<br>ELECTRICAL SYSTEM (POWER, LIGHTING<br>AND FIRE ALARM) WIRING IN AREAS PRIOR<br>TO DEMOLITION. ELECTRICAL<br>CONTRACTOR SHALL DISCONNECT ALL<br>NECESSARY EQUIPMENT TO MAKE IT SAFE<br>FOR DEMOLITION. WHERE LIVE BRANCH<br>CIRCUITS OR FEEDERS PASS THROUGH A<br>REMODEL AREA, CONTRACTOR SHALL<br>MAINTAIN ELECTRIC CONTINUITY TO AND<br>PROTECT BRANCH CIRCUITS AND/OR<br>FEEDERS PASSING THROUGH. WHERE<br>FEEDERS AND/OR BRANCH CIRCUITS FEED<br>BOTH LOADS IN A REMODELED AREA AND<br>OUTSIDE OF A REMODELED AREA,<br>CONTRACTOR SHALL DISCONNECT AND<br>REMOVE PORTIONS OF THE ELECTRICAL<br>BRANCH CIRCUITS AND/OR FEEDERS<br>WITHIN THE REMODELED AREA AND<br>REWORK BRANCH CIRCUITS AND/OR<br>FEEDERS TO MAINTAIN ELECTRICAL<br>CONTINUITY TO LOADS OUTSIDE OF THE<br>REMODELED AREA. |
| E44<br>EXISTING CONDUIT PATHWAY FROM<br>PHOTO SHOP PANEL TO<br>DISTRIBUTION BOARD SK TO BE FIELD<br>VERIFIED. MAINTAIN EXISTING<br>PATHWAY WHERE POSSIBLE FOR<br>RE-USE. IF CONDUIT CANNOT BE<br>RE-USED FOR THIS RENOVATION<br>SCOPE DEMOLISH ENTIRE RUN. IF<br>RE-USED, SWAB AND CLEAN CONDUIT<br>PATHWAY, AND REPLACE ANY<br>DAMAGED CONDUIT SEGMENTS OR<br>FITTINGS. EXISTING PATHWAY WILL<br>BE DEMOLISHED, INTERCEPTED, AND<br>EXTENDED TO NEW PANEL LOCATION<br>PER PLAN. | 3. DEVICES AND EQUIPMENT TO BE<br>DEMOLISHED SHALL BE REMOVED,<br>INCLUDING ALL RELATED CONDUCTORS,<br>RACEWAY, JUNCTION AND SPICE BOXES<br>UP TO THE PANELBOARD/ SWITCHBOARD.<br>ALL CONDUITS AND BOXES THAT ARE<br>SURFACE MOUNTED AND NO LONGER<br>REQUIRE ACTIVE CIRCUITS SHALL BE<br>COMPLETELY REMOVED. THE<br>CONTRACTOR SHALL IDENTIFY ALL<br>DEMOLISHED AND ABANDONED BRANCH<br>CIRCUITS. THESE SHALL BE NOTED AS<br>SPARE ON PANELBOARD DIRECTORIES.<br>THIS INCLUDES IDENTIFYING EXISTING<br>ABANDONED AND SPARE CIRCUITS THAT<br>ARE CURRENTLY IDENTIFIED AS USED. THE<br>CONTRACTOR SHALL FURNISH NEW TYPED<br>DIRECTORIES FOR ALL PANELBOARDS.                                                                                                                                                                                                                                                                            |

4. THE OWNER HAS THE RIGHT TO RETAIN  
ALL SALVAGEABLE MATERIAL. ANY  
MATERIAL THE OWNER CHOOSES NOT TO  
ACCEPT SHALL BE REMOVED FROM THE  
SITE AND DISPOSED OF BY THE  
CONTRACTOR.

5. FULLY COORDINATE MECHANICAL  
EQUIPMENT ELECTRICAL CONNECTION  
REMOVAL AND RELOCATION WITH THE  
MECHANICAL CONTRACTOR.

6. REFER TO ARCHITECTURAL,  
STRUCTURAL, MECHANICAL, PLUMBING  
DEMOLITION DRAWINGS FOR ADDITIONAL  
DEMOLITION INFORMATION.

8. WHERE DEVICES OR EQUIPMENT IS TO  
BE RELOCATED, CONTRACTOR SHALL  
EXTEND EXISTING CIRCUITING TO NEW  
LOCATION. ENSURE CIRCUIT CONTINUITY  
FOR OTHER DEVICES OR EQUIPMENT ON  
THE SAME BRANCH CIRCUIT.

9. WHERE BEAMS OR COLUMNS ARE BEING  
REMOVED AND/OR REPLACED,  
CONTRACTOR SHALL PROTECT  
ELECTRICAL FEEDERS AND BRANCH  
CIRCUITS WHICH ARE TO REMAIN UNTIL  
DEMOLITION IN FUTURE PHASING WHILE  
STRUCTURAL WORK IS PERFORMED.  
PROVIDE ALL NECESSARY LABOR AND  
MATERIALS TO PERFORM WORK AS  
COORDINATED WITH THE CONSTRUCTION  
MANAGER.

10. WHEREVER ELECTRICAL MATERIALS  
HAVE BEEN REMOVED FROM SURFACES  
OF THE BUILDING OR STRUCTURE, THOSE  
SURFACES SHALL BE PATCHED AND  
REPAIRED.

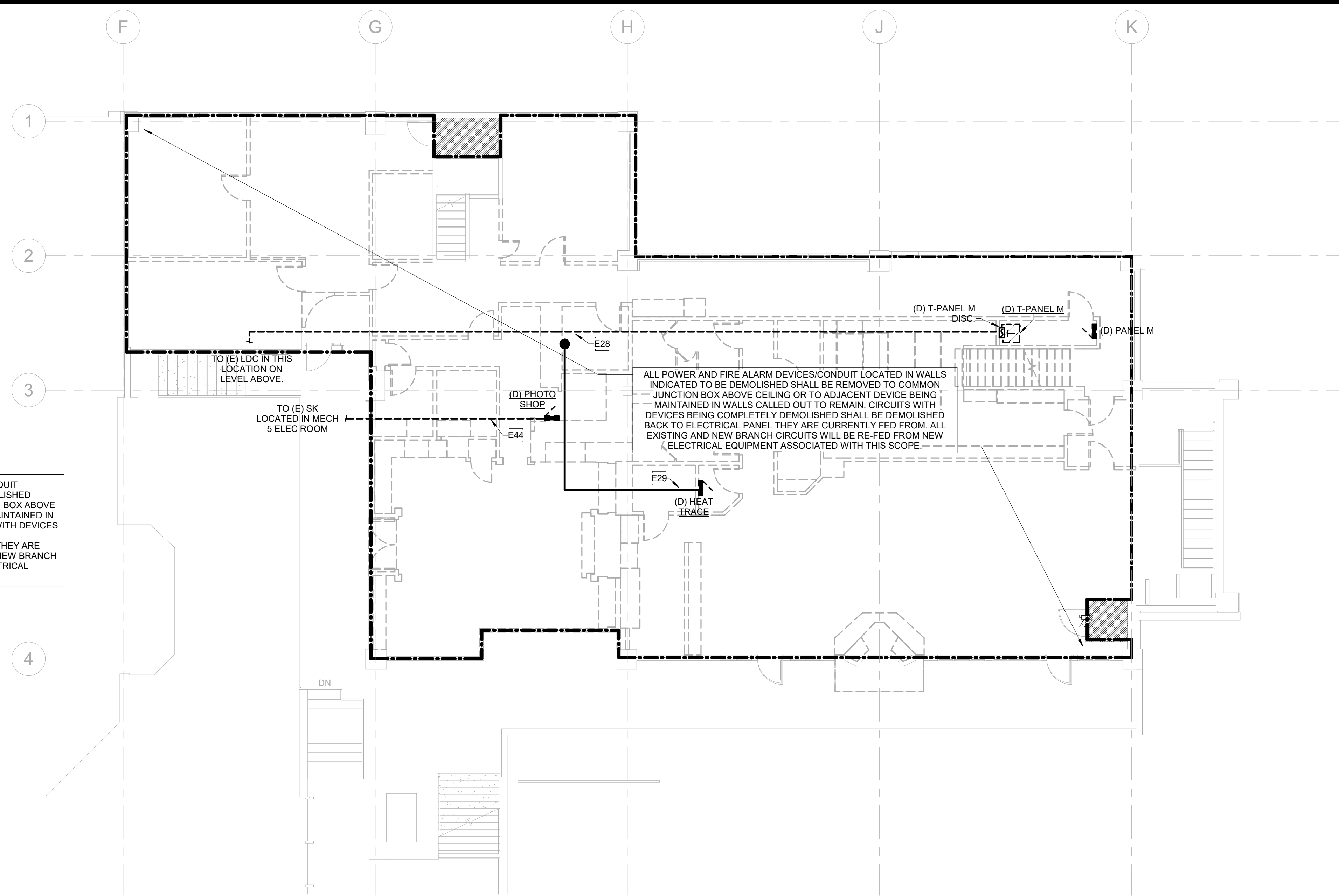
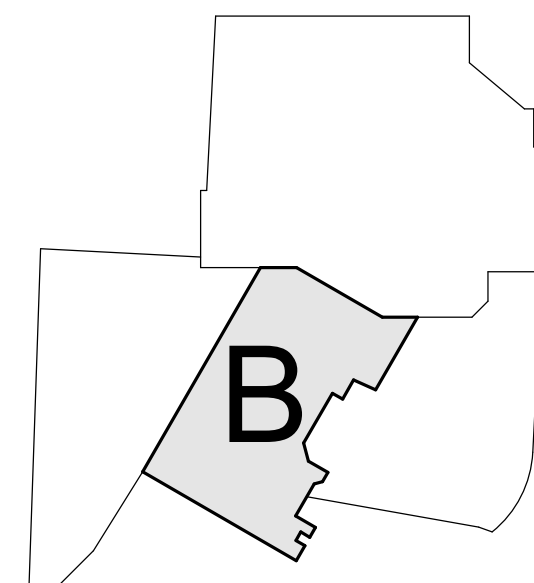
11. ALL HAZARD WASTE SHALL BE  
PROPERLY DISPOSED OF BY A LICENSED  
HAZARD WASTE DISPOSAL FACILITY. ITEMS  
SHALL INCLUDE BUT NOT LIMITED TO  
FLUORESCENT LAMPS, SMOKE  
DETECTORS, ETC.

12. THE CONTRACTOR SHALL BE  
RESPONSIBLE FOR CONTACTING UTILITIES  
OR LOCATING SERVICES AND OBTAINING  
LOCATIONS OF ALL UNDERGROUND  
SERVICES IN THE GENERAL AREA OF  
DEMOLITION WORK.

13. THE CONTRACTOR SHALL NOTIFY THE  
OWNER'S REPRESENTATIVE OF ANY  
PLANNED UTILITY INTERRUPTIONS  
INCLUDING INTERRUPTIONS OF POWER TO  
COMMUNICATIONS AND FIRE PROTECTION  
SYSTEMS AT LEAST 48 HOURS IN  
ADVANCE. REQUEST SHALL STATE THE  
REASON, DATE, BEGINNING TIME, AND  
EXPECTED DURATION OF INTERRUPTIONS.  
NO INTERRUPTIONS SHALL BE MADE  
WITHOUT THE OWNER'S WRITTEN  
CONCURRENCE AND INTERRUPTIONS  
SHALL BE COORDINATED WITH THE  
OWNER TO CAUSE THE LEAST IMPACT TO  
THE OWNER'S OPERATIONS.

14. CONTRACTOR SHALL NOTIFY THE  
OWNER'S REPRESENTATIVE OF ANY  
SYSTEMS THAT WILL LOSE POWER  
OUTSIDE THE CONSTRUCTION  
DEMOLITION FENCING DUE TO LOSS OF  
ELECTRICAL SERVICE DURING  
DEMOLITION OF THE EXISTING BUILDING.

## KEY PLAN

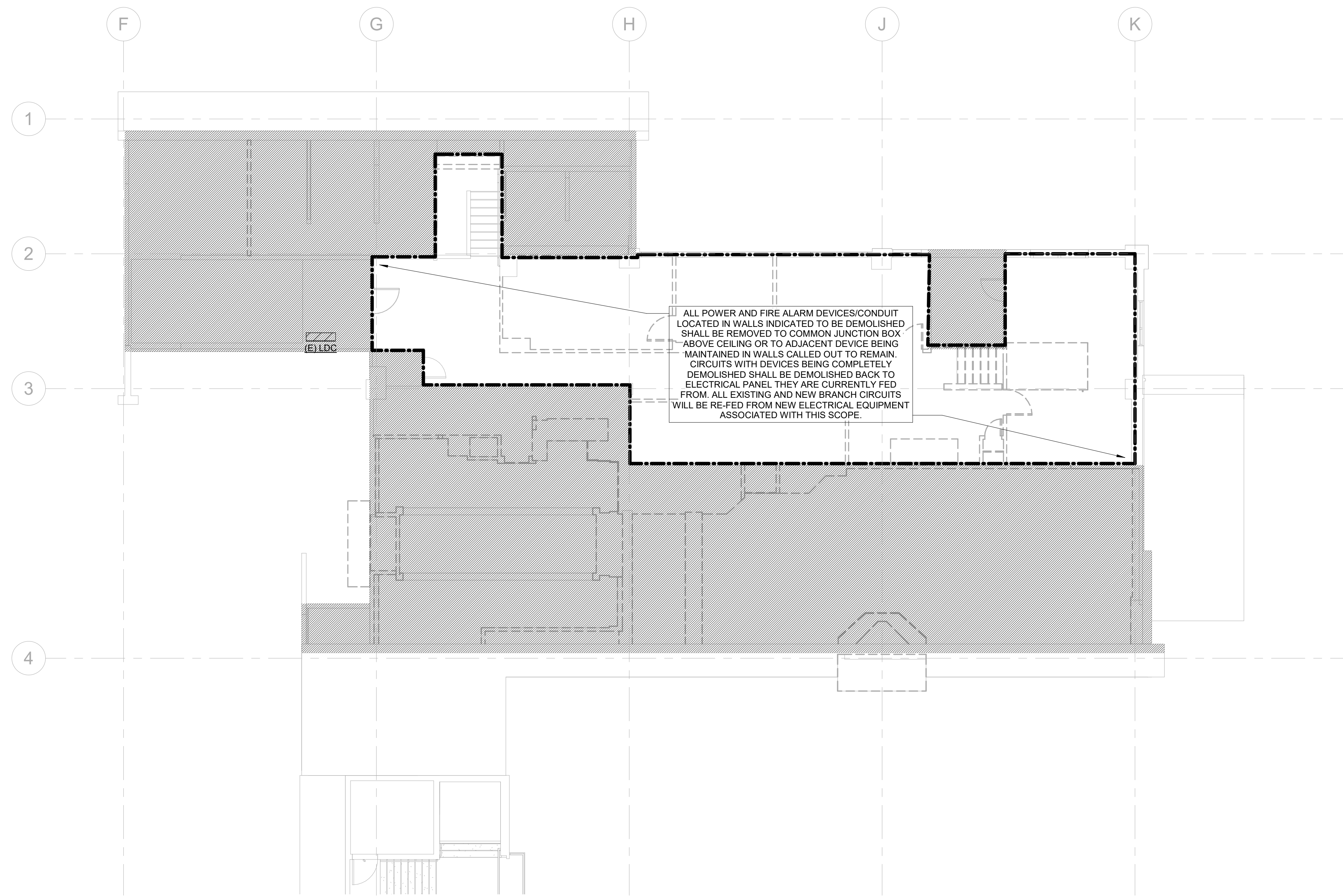


## 3 ELECTRICAL DEMO PLAN - A BUILDING LEVEL 02

SCALE: 1/8" = 1'-0"

## 1 ELECTRICAL DEMO PLAN - A BUILDING LEVEL 03

SCALE: 1/8" = 1'-0"



## 2 ELECTRICAL DEMO PLAN - A BUILDING LEVEL 04

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT. ALL SURFACE MOUNTED CONDUIT WHERE EXPOSED TO PUBLIC AREAS SHALL BE PAINTED. PAINT COLOR TO BE DETERMINED BY THE ARCHITECT.

2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR AND CABLETRAY/IT CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN ROOMS.

4. ALL LIGHT FIXTURES CALLED OUT FOR DEMOLITION SHALL BE SALVAGED AND TURNED OVER TO THE OWNER FOR EVALUATION AND RETAINAGE. IF OWNER DOES NOT ELECT TO RETAIN LIGHT FIXTURES, CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL LIGHT FIXTURES (INCLUDING FLUORESCENT LIGHT FIXTURES).

5. PROVIDE 90 MINUTE BATTERY BACKUP FOR ALL EXIT SIGNS. CIRCUIT ALL EXIT SIGNS AS FOLLOWS:  
BUILDING A - PWR-A:98  
BUILDING C & F - PWR-C: PWR-C:19

KEYNOTES

| △ Date     | Description                                                                          |
|------------|--------------------------------------------------------------------------------------|
| 2021.05.21 | BRAD - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION |

Seal / Signature



Project Name

Steamboat Base Village  
Redevelopment

Project Number

003.7835.000

Description

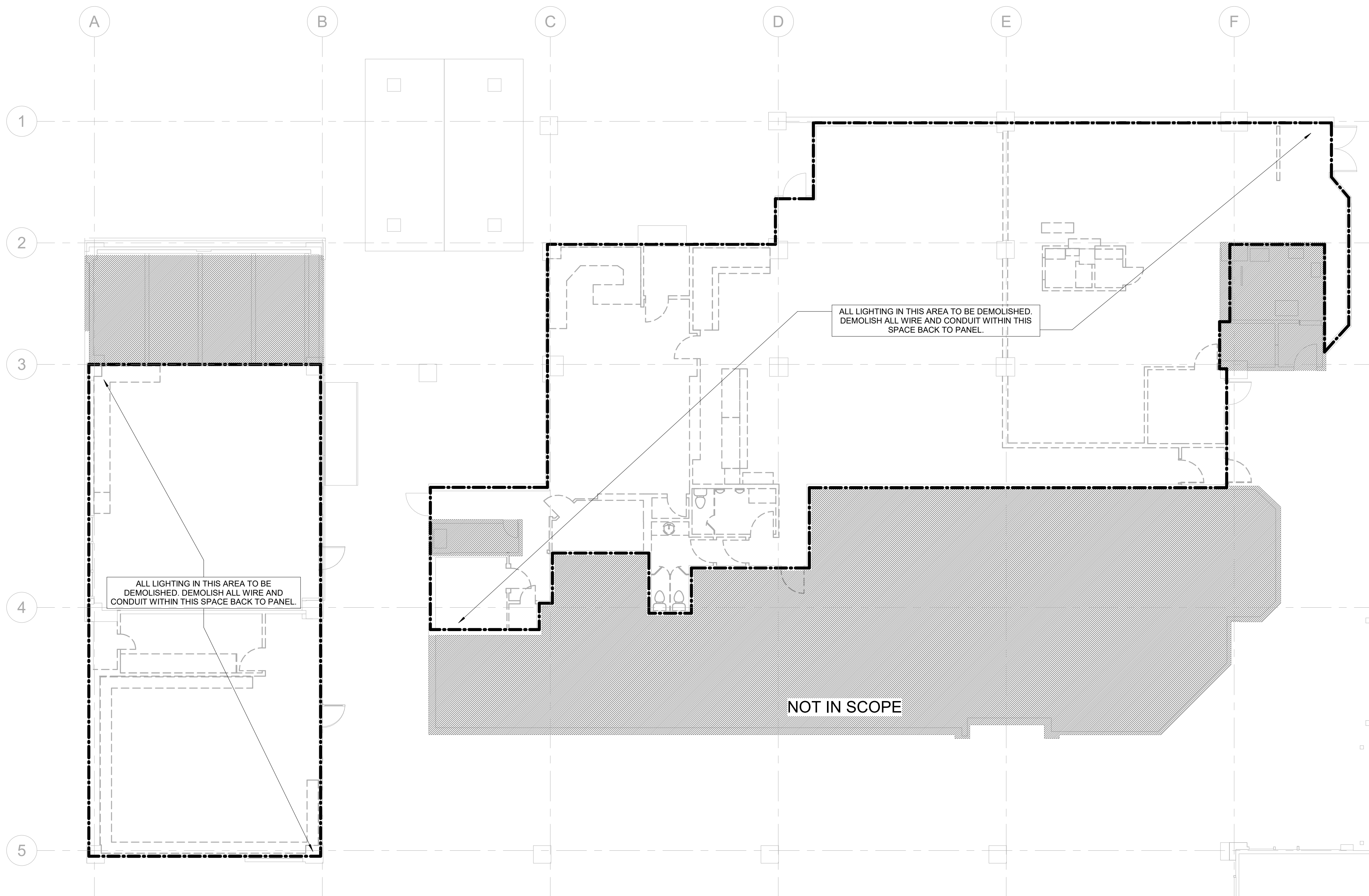
LIGHTING DEMOLITION PLAN - C & F  
BUILDING LEVEL 02

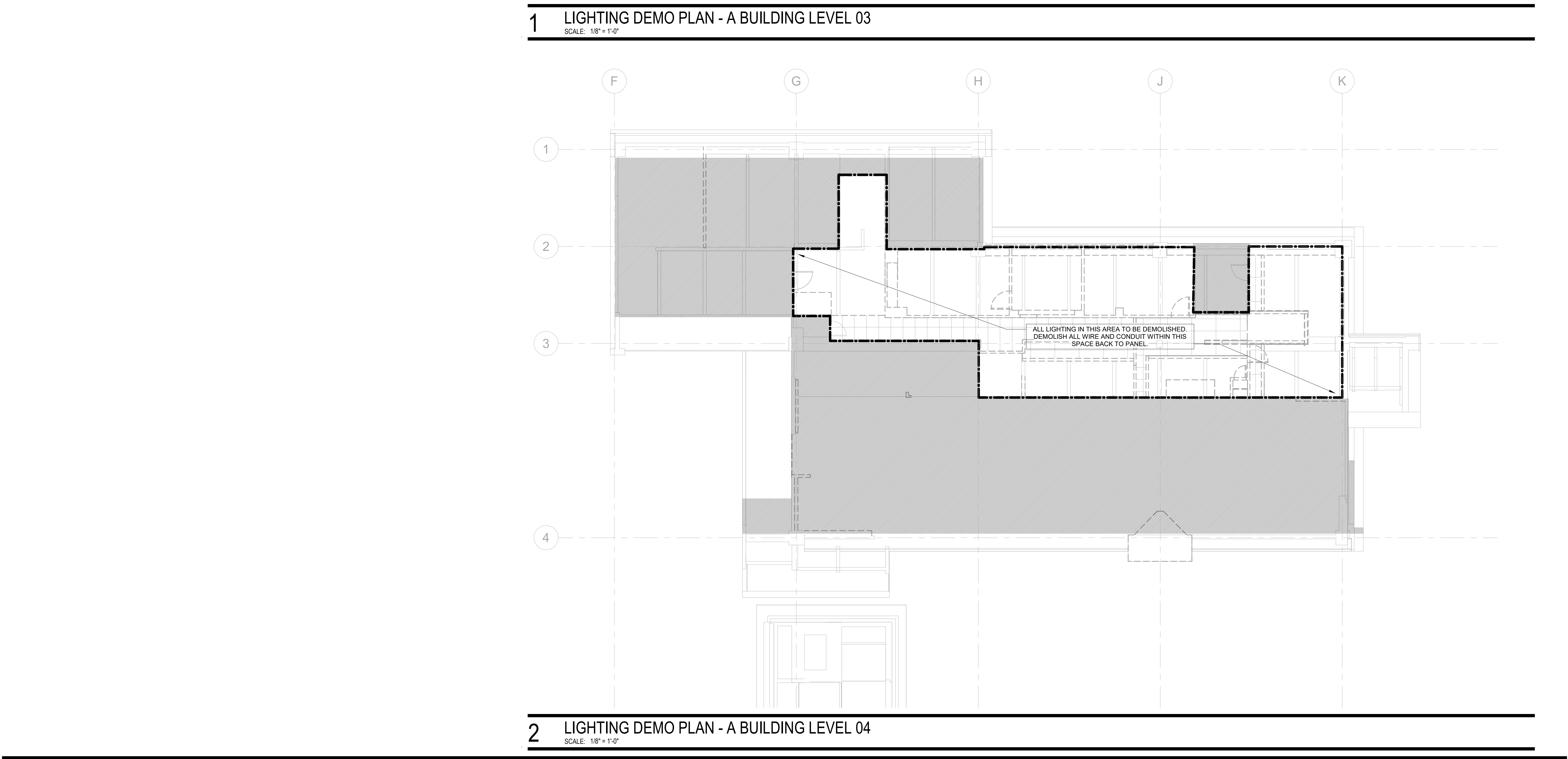
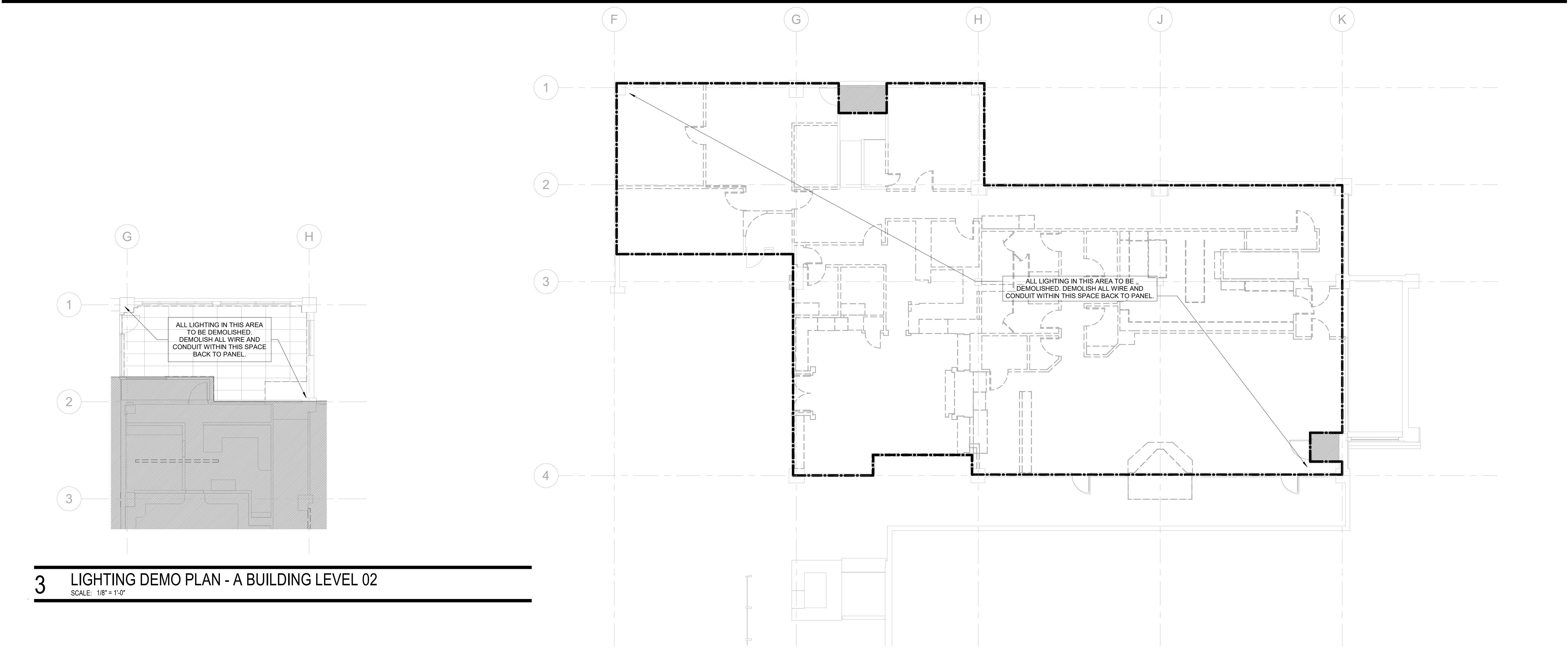
Scale

1/8" = 1'-0"

DE1.104

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**GENERAL NOTES:**

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BUILDING C & F - PWR-C: PWR-C:19

**KEYNOTES**

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Tel 303.431.6100

| Date       | Description                                                                                |
|------------|--------------------------------------------------------------------------------------------|
| 2021.05.21 | BPAD - GONDOLA SQUARE INTERIORS<br>BLDG. A, C AND F - ISSUE FOR PERMIT<br>AND CONSTRUCTION |

Seal / Signature

Project Name  
Steamboat Base Village  
Redevelopment

Project Number  
003.7835.000

Description  
LIGHTING DEMOLITION PLAN - A  
BUILDING LEVEL 02, 03, & 04

Scale  
1/8" = 1'-0"

**DE1.105**

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| ME FEEDER TABLE |      |      |                    |                    |        |      |                    |                    |
|-----------------|------|------|--------------------|--------------------|--------|------|--------------------|--------------------|
| BK/CRCD         | TAG  | SETS | COPPER             | ALUMINUM           | TAG    | SETS | COPPER             | ALUMINUM           |
|                 |      |      | FEEDER/PIPE (AW)   | FEEDER/PIPE (AW)   |        |      | FEEDER/PIPE (AW)   | FEEDER/PIPE (AW)   |
| 20              | F20  | 1    | (3#12,#10G) 3/4"   | -                  | FN20   | 1    | (4#12,#10G) 3/4"   | -                  |
| 30              | F30  | 1    | (3#12,#10G) 3/4"   | -                  | FN30   | 1    | (4#10,#10G) 3/4"   | -                  |
| 40              | F40  | 1    | (3#8,#10G) 3/4"    | -                  | FN40   | 1    | (4#8,#10G) 3/4"    | -                  |
| 50              | F50  | 1    | (3#8,#10G) 3/4"    | -                  | FN50   | 1    | (4#8,#10G) 3/4"    | -                  |
| 50              | -    | -    | -                  | -                  | FN50A  | 1    | (4#8,#8G) 1"       | -                  |
| 50              | -    | -    | -                  | -                  | FD50A  | 1    | (5#8,#8G) 1"       | -                  |
| 60              | F60  | 1    | (3#8,#8G) 1"       | -                  | FN60   | 1    | (4#8,#8G) 1"       | -                  |
| 70              | F70  | 1    | (3#4,#8G) 1-1/4"   | -                  | FN70   | 1    | (4#4,#8G) 1-1/4"   | -                  |
| 80              | F80  | 1    | (3#4,#8G) 1-1/4"   | -                  | FN80   | 1    | (4#4,#8G) 1-1/4"   | -                  |
| 90              | F90  | 1    | (3#3,#8G) 1-1/4"   | -                  | FN90   | 1    | (4#3,#8G) 1-1/4"   | -                  |
| 100             | F100 | 1    | (3#3,#8G) 1-1/4"   | -                  | FN100  | 1    | (4#3,#8G) 1-1/2"   | -                  |
| 100             | -    | -    | -                  | -                  | FN100A | 1    | (4#3,#8G) 1-1/2"   | -                  |
| 100             | -    | -    | -                  | -                  | FD100A | 1    | (5#3,#8G) 1-1/2"   | -                  |
| 110             | F110 | 1    | (3#2,#8G) 1-1/2"   | -                  | -      | -    | -                  | -                  |
| 125             | F125 | 1    | (3#1,#8G) 1-1/2"   | -                  | FN125  | 1    | (4#1,#8G) 2"       | -                  |
| 150             | F150 | 1    | (3#1/2,#8G) 1-1/2" | -                  | FN150  | 1    | (4#1/2,#8G) 2"     | -                  |
| 175             | F175 | 1    | (3#3/8,#8G) 2"     | -                  | FN175  | 1    | (4#3/8,#8G) 2"     | -                  |
| 200             | F200 | 1    | (3#3/8,#8G) 2"     | (3#250,#8G) 2-1/2" | FN200  | 1    | (4#3/8,#8G) 2-1/2" | (4#250,#8G) 2-1/2" |
| 225             | F225 | 1    | (3#4/8,#4G) 2-1/2" | (3#300,#4G) 2-1/2" | FN225  | 1    | (4#4/8,#4G) 2-1/2" | (4#300,#4G) 2-1/2" |
| 250             | F250 | 1    | (3#250,#4G) 2-1/2" | (3#300,#4G) 2-1/2" | FN250  | 1    | (4#250,#4G) 3"     | (4#300,#4G) 3"     |
| 250             | -    | -    | -                  | -                  | FN250A | 1    | (4#250,#2G) 3"     | (4#300,#2G) 3"     |
| 250             | -    | -    | -                  | -                  | FD250A | 1    | (5#250,#2G) 3"     | (5#300,#2G) 3"     |

NOTES:  
ALL CONDUCTORS ARE WITH THIN/THIN WIRE WITH 75DEG TERMINATIONS.  
ALL ALUMINUM FEEDERS SHALL INCLUDE COPPER EQUIPMENT GROUND CONDUCTORS.  
ALL ALUMINUM FEEDERS TO UTILIZE COMPRESSION TERMINATIONS.  
ALL FEEDERS AND BRANCH CIRCUITS TO MECHANICAL AND VIBRATING EQUIPMENT SHALL BE COPPER CONDUCTORS  
ALL EMERGENCY FEEDERS TO BE COPPER CONDUCTORS.  
FEEDERS STARTING WITH "YD" CONTAIN DOUBLE NEUTRAL.

| SHORT CIRCUIT STUDY                                                                                          |                |
|--------------------------------------------------------------------------------------------------------------|----------------|
| ALL EQUIPMENT MUST BE FULLY RATED FOR SHORT CIRCUIT / FAULT VALUES SHOWN BELOW. SERIES RATING NOT PERMITTED. |                |
| KEY                                                                                                          | AVAILABLE AMPS |
| 1                                                                                                            | 23,100         |
| 2                                                                                                            | 21,588         |
| 3                                                                                                            | 19,381         |
| 4                                                                                                            | 19,200         |
| 5                                                                                                            | 9,103          |
| 6                                                                                                            | 4,780          |
| 7                                                                                                            | NOT USED       |
| 8                                                                                                            | NOT USED       |
| 9                                                                                                            | NOT USED       |
| TRANSFORMERS (150KVA OR LESS)                                                                                |                |
| BASED ON INFINITE IMPEDENCE ON THE PRIMARY.                                                                  |                |
| THE AVAILABLE FAULT CURRENTS ON THE SECONDARY OF A TRANSFORMER IS AS FOLLOWS                                 |                |
| 15KVA                                                                                                        | 1343           |
| 30KVA                                                                                                        | 1665           |
| 45KVA                                                                                                        | 3903           |
| 75KVA                                                                                                        | 7330           |
| 112.5KVA                                                                                                     | 9184           |
| 150KVA                                                                                                       | 13787          |

| TRANSFORMER TABLE - 480V PRIMARY - 208Y/120V SECONDARY |         |          |             |                                 |              |          |         |     |     |
|--------------------------------------------------------|---------|----------|-------------|---------------------------------|--------------|----------|---------|-----|-----|
| KVA                                                    | FL AMPS | BKR SIZE | FDR         | TRANSFORMER GROUNDING ELECTRODE | 208V FL AMPS | BKR SIZE | FDR     | (1) | (2) |
| 3PH 480V                                               | (1)     | (2)      | (WIRE PIPE) | (1)                             | (2)          | (1)      | (2)     |     |     |
| 15                                                     | 18      | 30       | F30         | (#8 CU) 3/4"C                   | 42           | 50       | FN50A   |     |     |
| 30                                                     | 36      | 50       | F50         | (#8 CU) 3/4"C                   | 83           | 100      | FN100A  |     |     |
| 45                                                     | 54      | 70       | F70         | (#8 CU) 3/4"C                   | 125          | 150      | FN150   |     |     |
| 75                                                     | 90      | 125      | F125        | (#8 CU) 3/4"C                   | 208          | 250      | FN250A  |     |     |
| 112.5                                                  | 135     | 175      | F175        | (#10 CU) 1"C                    | 312          | 400      | FN400A  |     |     |
| 150                                                    | 180     | 225      | F225        | (#10 CU) 1"C                    | 416          | 500      | FN500A  |     |     |
| 225                                                    | 271     | 350      | F350        | (#10 CU) 1"C                    | 606          | 800      | FN800A  |     |     |
| 300                                                    | 361     | 450      | F450        | (#10 CU) 1"C                    | 833          | 1000     | FN1000A |     |     |
| 500                                                    | 601     | 800      | F800        | (#250 KCMIL) 1"C                | 1388         | 1800     | FN1800A |     |     |

NOTES:  
1 USE DEVICE TYPES INDICATED ON SINGLE LINE DIAGRAM.  
2 REFERENCE FEEDER TABLE FOR FEEDER SIZE.

NEW SCOPE KEY:

- THIN SOLID LINES ARE EXISTING TO REMAIN SCOPE
- THICK SOLID LINES IS NEW SCOPE FOR THIS PROJECT

GENERAL NOTES:

- ALL FEEDERS AND TERMINATIONS SHALL BE COPPER 75 DEGREE RATED.
- FEEDER LENGTHS ARE INDICATED FOR CALCULATION PURPOSES ONLY. THIS DRAWING IS NOT TO SCALE. FEEDERS LENGTHS MUST BE CONFIRMED BY THE CONTRACTOR WHERE LENGTHS AND FEEDER TAGS ARE CALLED OUT ON EXISTING FEEDERS. THIS IS AN ASSUMPTION THAT ALSO WILL NEED TO BE FIELD VERIFIED BY THE CONTRACTOR.
- ALL CONDUIT RUNS SHALL BE RAN PERPENDICULAR AND PARALLEL TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT RUNS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
- FOR CALCULATION PURPOSES THE FOLLOWING TRANSFORMER (2016 DOE) IMPEDANCES AND MAXIMUM SHORT CIRCUIT VALUES WERE USED: 15 KVA-3.1 %Z, ISC=1,343A, 30 KVA-2.5 %Z, ISC=1,665A, 45 KVA-3.2 %Z, ISC=3,903A, 75 KVA-2.5 %Z, ISC=7,330A, 112.5 KVA-3.4 %Z, ISC=9,184A, 150 KVA-3.0 %Z, ISC=13,787A, 225 KVA-3.5 %Z, ISC=17,844A, 300 KVA-3.5 %Z, ISC=23,529A, 500 KVA-4.6 %Z, ISC=30,171A. BOARDS PROVIDE FULL BUSSING FOR ALL SPACES INDICATED ON PANEL BOARDS AND DISTRIBUTION
- ALL EQUIPMENT TO BE FULLY RATED FOR THE AVAILABLE AMPS 65,000 ASSUME FAULT. AVAILABLE AT THE MAIN SERVICE.

KEY NOTES:

- EXISTING ELECTRICAL EQUIPMENT SHALL BE FULLY RATED FOR THE AVAILABLE FAULT INDICATED. FAULT CURRENT SHALL BE VERIFIED BY SHORT CIRCUIT/ FAULT CURRENT ANALYSIS AS INDICATED IN SPECIFICATIONS.
- PROVIDE NEW BREAKER IN EXISTING ELECTRICAL PANEL/ SWITCHBOARD. VERIFY BREAKER TYPE WITH SHORT CIRCUIT AND SELECTIVE COORDINATION STUDY AS WELL AS WITH EXISTING PANEL MANUFACTURER FOR COMPATIBILITY.
- PROVIDE BRANCH CIRCUITS FROM EXISTING PANEL AS INDICATED PER PLAN.

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A GONDOLA SQUARE BUILDING — EXISTING ELECTRICAL ONE—LINE DIAGRAM  
NO SCALE

GENERAL NOTES

1. CONNECT ALL ELEVATOR LOBBY, ELEVATOR MACHINE ROOM, TOP OF SHAFT AND ELEVATOR PIT SMOKE DETECTORS TO ELEVATOR CONTROLLER FOR ELEVATOR RECALL. PROVIDE SHUNT TRIP DEVICE TO DISCONNECT ALL ELEVATOR CONTROLLERS. VERIFY SHUNT TRIP LOCATION REQUIREMENTS WITH AHJ. PROVIDE A HEAT DETECTOR AT THE TOP OF ELEVATOR SHAFT AND WITHIN TWO FEET OF EACH SPRINKLER HEAD IN ALL ELEVATOR MACHINE ROOMS. ACTIVATION OF HEAT DETECTOR TO INITIATE SHUNT-TRIP.
2. PROVIDE #18 AWG MINIMUM WIRING FOR ALL SIGNAL AND INITIATION DEVICES.
3. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR AND PARALLEL TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION. NO ADDITIONAL COST TO THE OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO LACK OF COORDINATION WITH THE ARCHITECT.
4. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS OTHERWISE NOTED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN POURED CONCRETE, PRE-CAST CONCRETE, MASONRY AND GYP. WALLS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT QUANTITY AND LOCATIONS OF ALL FIRE SPRINKLER SYSTEM TAMPER AND FLOW SWITCHES WITH CONSTRUCTION MANAGER AND FIRE PROTECTION PRIOR TO BID. CONNECT ALL TAMPER AND FLOW SWITCHES TO FIRE ALARM SYSTEM(WHERE APPLICABLE).
6. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND QUANTITY OF ALL DUCT TYPE SMOKE DETECTORS WITH MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL HARD WIRE TO RELAY STARTER.
7. PROVIDE (1) DUCT TYPE SMOKE DETECTORS FOR EACH FAN COIL UNIT, AIR HANDLING UNIT, SUPPLY FAN, AND HEAT PUMP OF 2,000 CFM AND GREATER. PROVIDE (2) DUCT TYPE SMOKE DETECTORS FOR EACH FAN COIL UNIT, AIR HANDLING UNIT, HEAT PUMP AND SUPPLY FAN OF 15,000 CFM AND GREATER.
8. PROVIDE CONNECTION OF FA SYSTEMS TO ALL MAGNETIC DOOR HOLD-OPEN DEVICES TO AUTOMATICALLY CLOSE DOORS (INCLUDING OVERHEAD STORAGE DOORS) DURING ALARM CONDITIONS.
9. DEVICES INDICATED ON FIRE ALARM ONE-LINE ARE FOR REFERENCE ONLY. REFER TO PLAN DRAWINGS AND SPECIFICATIONS FOR QUANTITIES. REFER TO ARCHITECTURAL DOOR SCHEDULE FOR MAGNETIC DOOR HOLDER REQUIREMENTS.
10. PROVIDE DUCT DETECTOR AND FIRE ALARM RELAY MODULE FOR EVERY FIRE-SMOKE DAMPER. LOCATE DUCT DETECTOR WITHIN FIVE FEET OF FIRE-SMOKE DETECTOR.
11. ALL VISUAL DEVICES SHALL BE SYNCHRONIZED.
12. THE EXISTING FIRE ALARM SYSTEM AT GONDOLA SQUARE SHALL BE TIED INTO THE NEW FIRE ALARM SYSTEM THAT WILL SERVE THE SPACES BEING MODIFIED AS A PART OF THE 2021/2022 GONDOLA SQUARE IMPROVEMENTS. THE NEW SYSTEM SHALL ACT AS THE HEAD END FIRE ALARM SYSTEM WHILE ALLOWING THE EXISTING SYSTEM TO COMMUNICATE THROUGH THIS NEW SYSTEM.

KEY NOTES

1. PROVIDE A DEDICATED CIRCUIT TO EACH TRANSPONDER, NETWORK OR NAC PANEL AS REQUIRED.
2. PROVIDE ANALOG LINE AND FIBER OPTIC FOR BACK-UP TO MDF ROOM.
3. PROVIDE SUSTAINABLE 2-HR FIRE RATED CABLE BETWEEN EACH TRANSPONDER, NETWORK PANEL, FAAP OR FACP PER NFPA 72.
4. BATTERIES SHALL BE UTILIZED TO COMPLY WITH ALL EMERGENCY POWER REQUIREMENTS AT GONDOLA SQUARE. MINIMUM 24 HOUR RUNTIME. GONDOLA SQUARE DOES NOT HAVE AN EMERGENCY LIFE SAFETY GENERATOR.
5. EXISTING FIRE ALARM INFRASTRUCTURE FED FROM THIS EXISTING FIRE ALARM CONTROL PANEL SHALL BE MAINTAINED FOR ALL SPACES THROUGHOUT GONDOLA SQUARE THAT ARE OUTSIDE THE SCOPE OF 2021/2022 GONDOLA SQUARE IMPROVEMENTS.

Seal / Signature



Project Name

Steamboat Base Village  
Redevelopment

Project Number

003.7835.000

Description

GONDOLA SQUARE FIRE ALARM  
ONE-LINE DISGRAM

Scale

NOT TO SCALE

**E0.002**

FIRE ALARM SYSTEM NOTES:

1. FIRE ALARM CONTRACTOR SHALL PROVIDE COMPLETE SYSTEM WIRING AND INSTALLATION DIAGRAMS.
2. PROVIDE COMPLETE BATTERY AND POWER SUPPLY CALCULATIONS. THESE CALCULATIONS SHALL BE INCLUDED IN A SECOND SUBMITTAL SEPARATE FROM THE FIRE ALARM DEVICE PLAN LAYOUT. DEVICES MAY SHIFT IN REVIEW OF FIRST ROUND OF SHOP DRAWINGS.
3. COORDINATE WITH FIRE PROTECTION CONTRACTOR FOR ALL INTERFACE REQUIREMENTS WITH PRE-ACTION SYSTEMS AND FLOW AND TAMPER SWITCHES (LOCATIONS / QUANTITIES)
4. REFER TO BELOW "FIRE ALARM SYSTEM OPERATIONAL INTENT" NARRATIVE FOR GONDOLA SQUARE FIRE ALARM SYSTEM. EXISTING SYSTEM SHALL BE MAINTAINED OUTSIDE THE SCOPE OF THIS PROJECT AND COMMUNICATE WITH THE NEW SYSTEM ASSOCIATED WITH 2021/2022 SCOPES OF WORK.

PROVIDE A COMPLETE CLASS A FIRE ALARM SYSTEM COMPLIANT WITH NFPA, CITY OF STEAMBOAT SPRINGS, COLORADO AND STEAMBOAT FIRE DEPARTMENT REQUIREMENTS INCLUDING BUT NOT LIMITED TO:

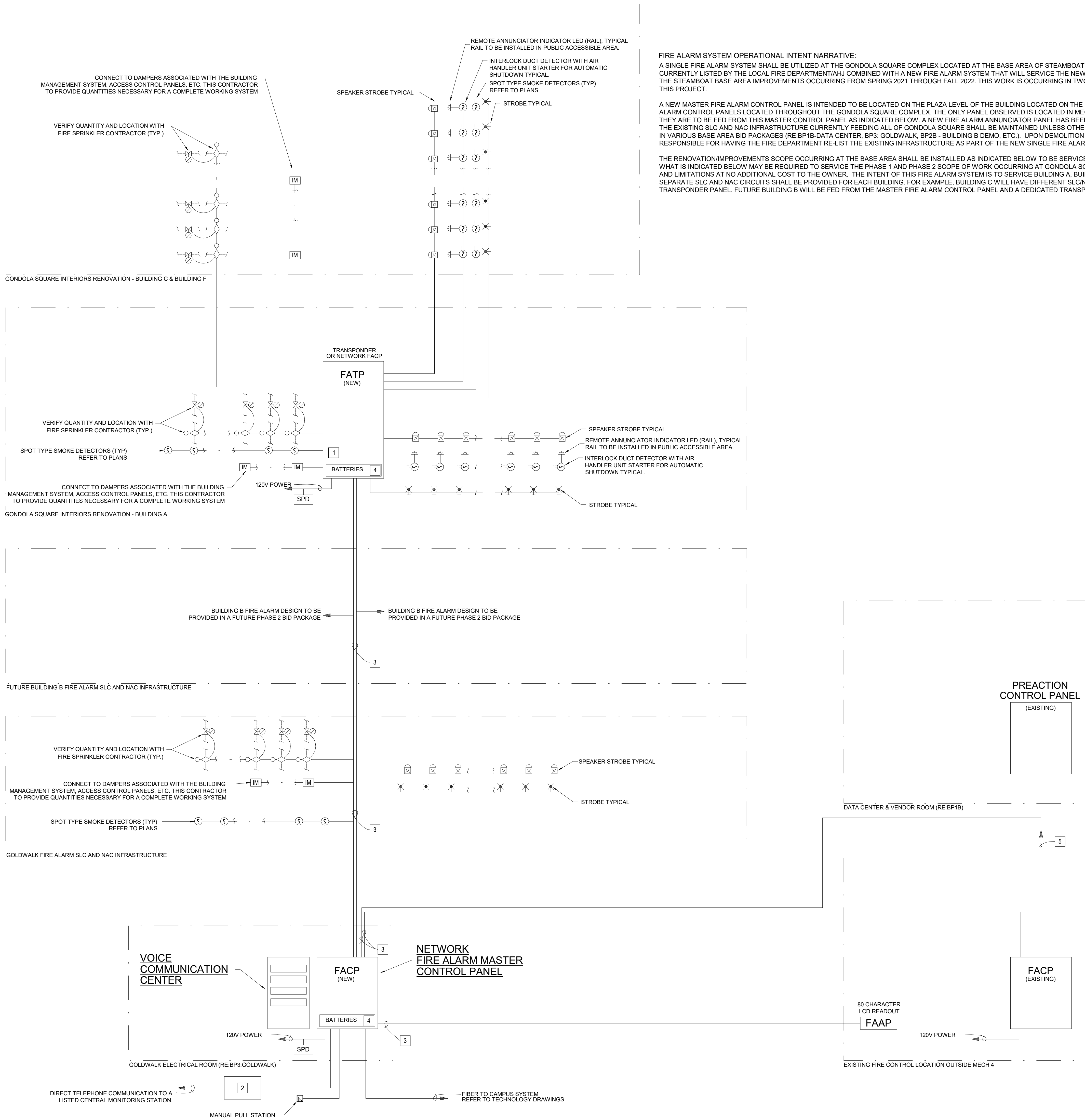
1. ELEVATOR LOBBY SMOKE DETECTORS IN FRONT OF EACH ELEVATOR. (COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.)
2. SMOKE DETECTION TO MEET CITY AND STATE CONSTRUCTION REQUIREMENTS.
3. MANUAL PULL STATIONS THROUGHOUT AS REQUIRED BY THE CITY OF STEAMBOAT AND STEAMBOAT SKI RESORT.
4. AREAS SHALL HAVE AUDIBLE AND VISUAL ANNUNCIATION.
5. DUCT TYPE SMOKE DETECTORS AT EACH FIRE/SMOKE DAMPER. REFER TO MECHANICAL/PLUMBING AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
6. CONNECTION OF ALL FIRE SPRINKLER SYSTEM TAMPER AND FLOW SWITCHES. REFER TO FIRE PROTECTION DRAWINGS AND CONTRACTOR FOR MORE INFORMATION.
7. FULL SMOKE DETECTOR COVERAGE IN ALL SPACES.
8. VERIFY INSTALLATION OF CEILING MOUNTED STROBES WITHIN EACH SPACE.
9. PROVIDE INTERCONNECTION TO RESORT FIBER SYSTEM. PROVIDE SOFTWARE AND HARDWARE AS REQUIRED FOR INTERFACE AT ENGINEERING/OPERATIONS OFFICE..

FIRE ALARM SYSTEM OPERATIONAL INTENT NARRATIVE:

A SINGLE FIRE ALARM SYSTEM SHALL BE UTILIZED AT THE GONDOLA SQUARE COMPLEX LOCATED AT THE BASE AREA OF STEAMBOAT SKI RESORT. THIS SINGLE SYSTEM WILL BE COMPRISED OF AN EXISTING FIRE ALARM SYSTEM THAT IS ASSUMED TO BE CURRENTLY LISTED BY THE LOCAL FIRE DEPARTMENT(AHJ) COMBINED WITH A NEW FIRE ALARM SYSTEM THAT WILL SERVICE THE NEW INTERIORS RENOVATION SCOPES AS WELL AS THE FUTURE BUILDING B AND GOLD WALK SCOPE ASSOCIATED WITH THE STEAMBOAT BASE AREA IMPROVEMENTS OCCURRING FROM SPRING 2021 THROUGH FALL 2022. THIS WORK IS OCCURRING IN TWO DESIGN/CONSTRUCTION PHASES. ALL SCOPE BELOW OTHER THAN FUTURE BUILDING B IS INCLUDED IN PHASE 1 OF THIS PROJECT.

A NEW MASTER FIRE ALARM CONTROL PANEL IS INTENDED TO BE LOCATED ON THE PLAZA LEVEL OF THE BUILDING LOCATED ON THE EAST SIDE OF GONDOLA SQUARE(RE:BP3.GOLDWALK). THIS MASTER CONTROL PANEL WILL SERVICE ALL EXISTING FIRE ALARM CONTROL PANELS LOCATED THROUGHOUT THE GONDOLA SQUARE COMPLEX. THE ONLY PANEL OBSERVED IS LOCATED IN MECH. 4 (LOCATED BELOW MECH. 5 ELECTRICAL ROOM). OTHER PANELS THROUGHOUT THE COMPLEX MAY EXIST AND THEY ARE TO BE FED FROM THIS MASTER CONTROL PANEL AS INDICATED BELOW. A NEW FIRE ALARM ANNUNCIATOR PANEL HAS BEEN INDICATED IN THIS LOCATION (MECH.4) FOR ANNUNCIATION OF THE ENTIRETY OF THE SINGLE FIRE ALARM SYSTEM. THE EXISTING SLC AND NAC INFRASTRUCTURE CURRENTLY FEEDING ALL OF GONDOLA SQUARE SHALL BE MAINTAINED UNLESS OTHERWISE INDICATED FOR DEMOLITION. THE AREAS WHERE THIS INFRASTRUCTURE IS BEING DEMOLISHED ARE INCLUDED IN VARIOUS BASE AREA BID PACKAGES (RE BP1B-DATA CENTER, BP3. GOLDWALK, BP2B - BUILDING B DEMO, ETC.). UPON DEMOLITION COMPLETION AND ONCE THE NEW MASTER FIRE ALARM CONTROL PANEL HAS BEEN INSTALLED, THE CONTRACTOR IS RESPONSIBLE FOR HAVING THE FIRE DEPARTMENT RE-LIST THE EXISTING INFRASTRUCTURE AS PART OF THE NEW SINGLE FIRE ALARM SYSTEM SERVICING GONDOLA SQUARE.

THE RENOVATION/IMPROVEMENTS SCOPE OCCURRING AT THE BASE AREA SHALL BE INSTALLED AS INDICATED BELOW TO BE SERVICED FROM THE NEW MASTER FIRE ALARM CONTROL PANEL STATED ABOVE. ADDITIONAL TRANSPONDER PANELS TO WHAT IS INDICATED BELOW MAY BE REQUIRED TO SERVICE THE PHASE 1 AND PHASE 2 SCOPE OF WORK OCCURRING AT GONDOLA SQUARE. THESE PANELS SHALL BE PROVIDED AS NECESSARY BASED ON THE FIRE ALARM MANUFACTURER CAPABILITIES AND LIMITATIONS AT NO ADDITIONAL COST TO THE OWNER. THE INTENT OF THIS FIRE ALARM SYSTEM IS TO SERVICE BUILDING A, BUILDING C, AND BUILDING F SCOPE FROM A SINGLE FIRE ALARM TRANSPONDER PANEL LOCATED IN BUILDING A. SEPARATE SLC AND NAC CIRCUITS SHALL BE PROVIDED FOR EACH BUILDING. FOR EXAMPLE, BUILDING C WILL HAVE DIFFERENT SLC/NAC CIRCUITS FROM BUILDING F AND A RESPECTIVELY. THE COMMON POINT FOR THESE BUILDINGS WILL OCCUR AT THE TRANSPONDER PANEL. FUTURE BUILDING B WILL BE FED FROM THE MASTER FIRE ALARM CONTROL PANEL AND A DEDICATED TRANSPONDER PANEL AS CAPACITY ALLOWS FOR ONCE PHASE 2 CONSTRUCTION HAS BEEN STARTED.



| ELECTRICAL EQUIPMENT CONNECTION SCHEDULE                                                                                                                                                                                                                                                                                                                                                                   |                                    |    |           |         |       |                                                                                                                                                             |            |      |                 |         |         |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----|-----------|---------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|-----------------|---------|---------|--|
| <b>GENERAL NOTES:</b><br>1. THIS SCHEDULE IS FOR ELECTRICAL EQUIPMENT CONNECTIONS ONLY. EQUIPMENT BY OTHERS.<br>2. PROVIDE A DEDICATED CIRCUIT WITH A DEDICATED NEAUTRAL FOR ALL EQUIPMENT UNLESS OTHERWISE NOTED.<br>3. CONFIRM ALL EQUIPMENT LOCATIONS AND ELEVATIONS PRIOR TO ROUGH-IN.<br>4. CONFIRM ALL EQUIPMENT FEEDER, DISCONNECT AND FUSING WITH SUBMITTED/PURCHASED EQUIPMENT PRIOR TO ROUGH-IN. |                                    |    |           |         |       | <b>REMARK NOTES:</b><br>A. PROVIDE GFCI CIRCUIT BREAKER.<br>B. COORDINATE LOCATION OF ELECTRICAL RECEPTACLE WITH FOUNTAIN ROUGH IN DRAWING RECOMMENDATIONS. |            |      |                 |         |         |  |
| EQ #                                                                                                                                                                                                                                                                                                                                                                                                       | EQUIPMENT DESCRIPTION              | HP | LOAD (VA) | VOLTAGE | PHASE | FLA                                                                                                                                                         | DISCONNECT | FUSE | FEEDER          | CONDUIT | REMARKS |  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                          | GARBAGE DISPOSAL                   | -  | 1440      | 120 V   | 1     | 12 A                                                                                                                                                        | -          | -    | 2 #12 & #12 GND | 3/4"    |         |  |
| 3                                                                                                                                                                                                                                                                                                                                                                                                          | COPIER                             | -  | 1560      | 120 V   | 1     | 13 A                                                                                                                                                        | -          | -    | 2 #12 & #12 GND | 3/4"    |         |  |
| 4                                                                                                                                                                                                                                                                                                                                                                                                          | DISHWASHER                         | -  | 1560      | 120 V   | 1     | 13 A                                                                                                                                                        | -          | -    | 2 #12 & #12 GND | 3/4"    |         |  |
| 5                                                                                                                                                                                                                                                                                                                                                                                                          | DRINKING FOUNTAIN                  | -  | 600       | 120 V   | 1     | 5 A                                                                                                                                                         | -          | -    | 2 #12 & #12 GND | 3/4"    | A, B    |  |
| 6                                                                                                                                                                                                                                                                                                                                                                                                          | MICROWAVE                          | -  | 1560      | 120 V   | 1     | 13 A                                                                                                                                                        | -          | -    | 2 #12 & #12 GND | 3/4"    |         |  |
| 7                                                                                                                                                                                                                                                                                                                                                                                                          | REFRIGERATOR                       | -  | 720       | 120 V   | 1     | 6 A                                                                                                                                                         | -          | -    | 2 #12 & #12 GND | 3/4"    |         |  |
| 9                                                                                                                                                                                                                                                                                                                                                                                                          | UNDERCOUNTER REFRIGERATOR          | -  | 360       | 120 V   | 1     | 3 A                                                                                                                                                         | -          | -    | 2 #12 & #12 GND | 3/4"    |         |  |
| 12                                                                                                                                                                                                                                                                                                                                                                                                         | SKI BOOT DRYER (DOUBLE CONNECTION) | -  | 156       | 120 V   | 1     | 1 A                                                                                                                                                         | -          | -    | 2 #12 & #12 GND | 3/4"    |         |  |
| 12A                                                                                                                                                                                                                                                                                                                                                                                                        | SKI BOOT DRYER - WALL CONNECTION   | -  | 156       | 120 V   | 1     | 1 A                                                                                                                                                         | -          | -    | 2 #12 & #12 GND | 3/4"    |         |  |
| 13                                                                                                                                                                                                                                                                                                                                                                                                         | GAS COMMERCIAL DRYER               | -  | 1440      | 120 V   | 1     | 12 A                                                                                                                                                        | 30A/1P     | -    | 2#12 & #12 GND  | 3/4"    |         |  |
| 14                                                                                                                                                                                                                                                                                                                                                                                                         | COMMERCIAL WASHER                  | -  | 3328      | 208 V   | 1     | 16 A                                                                                                                                                        | -          | -    | 3 #12 & #12 GND | 3/4"    |         |  |
| 14A                                                                                                                                                                                                                                                                                                                                                                                                        | RESIDENTIAL STYLE WASHER           | -  | 1800      | 120 V   | 1     | 15 A                                                                                                                                                        | -          | -    | 2#12 & #12 GND  | 3/4"    |         |  |
| 15                                                                                                                                                                                                                                                                                                                                                                                                         | COFFEE MAKER                       | -  | 1920      | 120 V   | 1     | 16 A                                                                                                                                                        | -          | -    | 2 #12 & #12 GND | 3/4"    |         |  |
| 16                                                                                                                                                                                                                                                                                                                                                                                                         | ICE/WATER DISPENSER                | -  | 1440      | 120 V   | 1     | 12 A                                                                                                                                                        | -          | -    | 2 #12 & #12 GND | 3/4"    |         |  |

| LED  |                                                                           |                                                                                                                                                                                                  |                                       |         |                       |               |                                                          |                             |                         |               |                           |                                                                                                                       |
|------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------|-----------------------|---------------|----------------------------------------------------------|-----------------------------|-------------------------|---------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Type | Lamp                                                                      | Description                                                                                                                                                                                      | Finish                                | Voltage | Mounting              | Manufacturer  | Catalog Number                                           | Alternate 1                 | Alternate 2             | Control       | Location                  | Comments                                                                                                              |
| L1   | 21W LED, 3000 LUMENS PER 4 FEET OF FIXTURE, 3500K, 80+ CRI, 50,000+ HOURS | LED STRIPLIGHT WITH DIFFUSE LENS, PROVIDE SURFACE OR PENDANT MOUNT SUPPORTS PER MOUNTING HEIGHT                                                                                                  | WHITE                                 | 120     | PENDANT TO 10 FT. AFF | LITHONIA      | CLX-L48-3000LM-SEF-RDL                                   | DAYBRITE FSS LED SERIES     | APPROVED ALTERNATE      | ON/OFF        | MEP, STORAGE, JANITOR     | PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES. |
| L1A  | 38W LED, 6000 LUMENS PER 8 FEET OF FIXTURE, 3500K, 80+ CRI, 50,000+ HOURS | SIMILAR TO TYPE L1 BUT 8' IN LENGTH.                                                                                                                                                             | WHITE                                 | 120     | PENDANT TO 10 FT. AFF | LITHONIA      | CLX-L96-6000LM-SEF-RDL                                   | DAYBRITE FSS LED SERIES     | APPROVED ALTERNATE      | ON/OFF        | MEP, STORAGE, JANITOR     | PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES. |
| L3   | 23 WATT LED, 3167 LUMENS, 80 CRI, 3500K, 50000+ HOURS                     | RECESSED 2X4 TROFFER LIGHT FOR LAY-IN CEILINGS. FIXTURE SHALL HAVE CENTRAL LENSING OPTICS FOR LIGHT DISTRIBUTION. CONTRACTOR TO VERIFY THE APPROVED CEILING TYPE IS COMPATIBLE WITH TRIM OPTION. | WHITE                                 | 120     | RECESSED              | LITHONIA      | 2BLT4-30LHE-ADP-MVOLT-GZ10-LP835                         | APPROVED ALTERNATE          | APPROVED ALTERNATE      | 0-10V DIMMING | OFFICES                   | PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES. |
| L3A  | 15 WATT LED, 1948 LUMENS, 80 CRI, 3500K, 50000+ HOURS                     | SAME AS L3 EXCEPT RECESSED 2X2.                                                                                                                                                                  | WHITE                                 | 120     | RECESSED              | LITHONIA      | 2BLT2-20LHE-ADP-MVOLT-GZ10-LP835                         | APPROVED ALTERNATE          | APPROVED ALTERNATE      | 0-10V DIMMING | OFFICES                   | PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES. |
| L4   | 20W LED, 2000 LUMEN, 3500K, 80+ CRI, 50000+ HOURS                         | 6" DIAMETER RECESSED FIXED DOWNLIGHT, MEDIUM WIDE BEAM DISTRIBUTION, MATTE-DIFFUSE REFLECTOR, NEW CONSTRUCTION HOUSING, INTEGRAL DRIVER.                                                         | CLEAR                                 | 120     | RECESSED              | GOTHAM        | EV06-3520-AR-MWLD-MVOLT-GZ10                             | APPROVED ALTERNATE          | APPROVED ALTERNATE      | 0-10V DIMMING | CORRIDORS                 | PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES. |
| L4B  | 20W LED, 2000 LUMEN, 3500K, 80+ CRI, 50000+ HOURS                         | SIMILAR TO TYPE L4, EXCEPT WET LISTED AND GASKETED WITH REGRESSED LENS.                                                                                                                          | WHITE, TO BE CONFIRMED WITH ARCHITECT | 120     | RECESSED              | GOTHAM        | EV06SH-3520-DFR-SOL-MVOLT-GZ10                           | APPROVED ALTERNATE          | APPROVED ALTERNATE      | 0-10V DIMMING | SHOWERS                   | PROVIDE ADDITIONAL QUANTITY OF COMPLETE LIGHT FIXTURE, WITH A QTY OF 0.25% OF TOTAL QTY AND A MIN. QTY OF 2 FIXTURES. |
| L5   | 20W, 2000 LUMENS, 3500K, 85 CRI, 50,000 HOURS                             | 4" DIAMETER CYLINDRICAL PENDANT LUMINAIRE, 9" TALL, NEW CONSTRUCTION HOUSING, INTEGRAL DRIVER.                                                                                                   | WHITE (VERIFY WITH ARCHITECT)         | 120     | SUSPENDED             | GOTHAM        | EV04CC-3520-AR-LD-MVOLT-GZ10                             | COOPER PORTFOLIO SERIES     | SIGNIFY CALCULITE       | 0-10V DIMMING | CONFERENCE, CORRIDORS     |                                                                                                                       |
| L5B  | 20W, 2000 LUMENS, 3500K, 85 CRI, 50,000 HOURS                             | SAME AS L5 EXCEPT SURFACE MOUNT                                                                                                                                                                  | WHITE (VERIFY WITH ARCHITECT)         | 120     | SURFACE               | GOTHAM        | EV04CC-3520-AR-LD-MVOLT-GZ10                             | COOPER PORTFOLIO SERIES     | SIGNIFY CALCULITE       | 0-10V DIMMING | CONFERENCE, CORRIDORS     |                                                                                                                       |
| L6   | 6W/FT LED, 640 LUMENS PER FOOT, 3500K, 80+ CRI, 50,000+ HOURS             | RECTANGULAR LINEAR SUSPENDED LED LUMINAIRE WITH DIFFUSE LENS AND DIRECT ONLY OPTICS. PROVIDE SURFACE OR PENDANT MOUNT SUPPORTS PER MOUNTING HEIGHT. LENGTH PER PLAN TO BE FIELD VERIFIED.        | WHITE (VERIFY WITH ARCHITECT)         | 120     | SUSPENDED             | PRUDENTIAL    | BPRO4-LIN-FLSH-LED35-MO-8-TMW-SAL-NU-SC-UNV1-DM01        | MARK ARCHITECTURAL LIGHTING | SERIES FOCAL POINT      | 0-10V DIMMING | STAIRS/LOCKERS            |                                                                                                                       |
| L7   |                                                                           | NOT USED                                                                                                                                                                                         |                                       |         |                       |               |                                                          |                             |                         |               |                           |                                                                                                                       |
| L8   | 4W/FT, 200+ LUMENS/FT, 3500K, 80+ CRI, 50000+ HOURS                       | THIN LOW PROFILE UNDERCOUNTER LED WITH FROSTED LENS AND EXTRUDED ALUMINUM MOUNTING CHANNEL. LENGTH PER PLAN                                                                                      | STANDARD SILVER                       | 120     | SURFACE FIXED ANGLE   | KELVIX        | 502-L-(PER PLAN)-DL-39K-WH+PV-SV+LV                      | APPROVED ALTERNATE          | APPROVED ALTERNATE      | ON/OFF        | UNDER COUNTER             | VERIFY NO DOTTING FROM DIODES                                                                                         |
| L10  | 6W/FT, 600 LUMENS/FT, 3500K, 80CRI, 50000+ HOURS                          | 4" WIDE LINEAR LED (LENGTH PER PLAN). FLUSH PERIMETER MOUNT, 5" WIDE X 8 3/4" DEEP OVERALL FIXTURE DIMENSIONS                                                                                    | STANDARD, WHITE                       | 120     | RECESSED              | PRUDENTIAL    | P45-REG1-LED35-MO-(PER PLAN)-TMW-AWL-D1R-WTW-SC-UNV-DM01 | AXIS LIGHTING BEAM 4        | LUMENVIEW VIA PERIMETER | ELV DIMMING   | BREAK ROOMS ABOVE COUNTER |                                                                                                                       |
| L11  | 9W PER LUMINAIRE, 135 LUMENS, 3000K, 90 CRI                               | 3.6" DIAMETER 7.1" HEIGHT SUSPENDED SINGLE LIGHT "SOCKET" WITH LED LUMINAIRE.                                                                                                                    | BLACK CORD AGED BRASS FINISH          | 120     | PENDANTS              | TECH LIGHTING | 700 TO ALP/MC 11BR LED930                                | APPROVED ALTERNATE          | APPROVED ALTERNATE      | ELV DIMMING   | ADMIN RECEPTION STAIR     | PROVIDE SHOP DRAWING TO VERIFY MOUNTING HEIGHTS                                                                       |
| L12  | 150W MAX, 3500K SCREW IN LED                                              | 14 INCH DIAMETER REFLECTOR WITH WOODEN TOP AND METALLIC SUSPENSION SYSTEM. PROVIDE LED SCREW BASE TYPE REPLACEMENT BULB PHILIPS 04697755891 (OR APPROVED EQUAL) IN LIEU OF INCANDESCENT.         | BLACK (ARCH TO CONFIRM)               | 120     | PENDANT               | BASELITE      | D514                                                     | APPROVED ALTERNATE          | APPROVED ALTERNATE      | ELV DIMMING   | BREAK ROOM                | PROVIDE SAMPLE OF THIS FIXTURE FOR REVIEW PRIOR TO APPROVAL.                                                          |
| L14  | 7.5 WATT LED, 430 LUMENS, 90 CRI, 3500K, 50000+ HRS                       | DECORATIVE WALL MOUNTED FIXTURE WITH "TOMBSTONE" TYPE MOUNTING AND WALL PLATE WITH LUMINOUS GLOBE AT TOP OF FIXTURE                                                                              | BLACK                                 | 120     | SURFACE/WALL          | RBW           | PAS-1W-D-PC30-35-120-TM-DEX-1P20                         | APPROVED ALTERNATE          | APPROVED ALTERNATE      | ON/OFF        | BREAK                     |                                                                                                                       |
| L15  | 1630 LUMENS (40") / 2560 LUMENS (64"), 21W (40") / 35W (64")              | LINEAR SUSPENDED LUMINAIRE WITH WOOD FINISH REFLECTOR AND FROSTED SCRPLYC LENSING                                                                                                                | WALNUT                                | 120     | SUSPENDED             | CERNO         | 07-150-4064-B-D-W-35-P1P2                                | APPROVED ALTERNATE          | APPROVED ALTERNATE      | ELV DIMMING   | CONFERENCE ROOMS          | LENGTH AND VOLTAGE PER PLAN.                                                                                          |
| L18  | A19 SCREW IN LED MEDIUM BASE E26 SOCKET                                   | EXPOSED A19 SCREW IN LED MEDIUM BASE E26 SOCKET WITH 9" DIAMETER STEEL PAINTED BACKPLATE                                                                                                         | PER ARCHITECT                         | 120V    | WALL                  | DUTTON BROWN  | 60125                                                    | APPROVED ALTERNATE          | APPROVED ALTERNATE      | ELV DIMMING   | BATHROOM                  |                                                                                                                       |

| EMERGENCY |                  |                                                                                                                                                                                                                                      |                  |         |           |              |                |                    |                    |         |               |                                                 |
|-----------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------|-----------|--------------|----------------|--------------------|--------------------|---------|---------------|-------------------------------------------------|
| Type      | Lamp             | Description                                                                                                                                                                                                                          | Finish           | Voltage | Mounting  | Manufacturer | Catalog Number | Alternate 1        | Alternate 2        | Control | Location      | Comments                                        |
| X1        | 5W LED GREEN/RED | EDGE LIT EXIT SIGN, PROVIDE WHITE OR MIRROR BACKING BETWEEN PANELS - T80. MOUNTING AND ARROWS, SINGLE OR DOUBLE FACE, WITH UNIVERSAL MOUNTING FOR ALL CONDITIONS PER PLAN DRAWINGS - PROVIDE 90 MINUTE BATTERY BACKUP AT FULL OUTPUT | BRUSHED ALUMINUM | 120     | UNIVERSAL | LITHONIA     | EDGR Series    | APPROVED ALTERNATE | APPROVED ALTERNATE |         | PREMIUM AREAS | VERIFY LETTER & BACKGROUND COLOR WITH LOCAL A&J |

| MDS                                        |        |       |                                           |        |       |         |                                   |           |            |        |  |
|--------------------------------------------|--------|-------|-------------------------------------------|--------|-------|---------|-----------------------------------|-----------|------------|--------|--|
| LOCATION: SUPPLY FROM: UTILITY TRANSFORMER |        |       | VOLTAGE: 480/277 Wye<br>SCCR: RE:ONE-LINE |        |       |         | BUS: 2000 A<br>MAIN: 2000 A - MCB |           |            |        |  |
| LOADS SUMMARY                              | EXIST  | LTG   | RECPT                                     | MOTOR  | MISC. | KITCHEN | ELECTRIC HEAT                     | EV CHARGE | Load       |        |  |
| BP4D: EXISTING + NEW LOADS                 |        |       |                                           |        |       |         |                                   |           | --         | --     |  |
| (EX) MECH IIA                              | 207845 | 873   | 10100                                     | 109816 | 42660 |         | 8482                              |           | 379776 VA  | 457 A  |  |
| (EX) MECH IIB                              | 92455  | 6296  | 35560                                     | 9206   | 13420 | 9120    | 8187                              |           | 176444 VA  | 212 A  |  |
|                                            |        |       |                                           |        |       |         |                                   |           | --         | --     |  |
| BP3: GOLD WALK - NEW LOADS                 |        |       |                                           |        |       |         |                                   |           | --         | --     |  |
| BRH                                        |        | 378   | 1080                                      | 258288 | 1750  |         | 29099                             |           | 290595 VA  | 350 A  |  |
| GWH                                        | 55372  | 7286  | 13900                                     | 32327  |       |         | 16320                             |           | 125205 VA  | 151 A  |  |
|                                            |        |       |                                           |        |       |         |                                   |           |            |        |  |
|                                            |        |       |                                           |        |       |         |                                   |           |            |        |  |
|                                            |        |       |                                           |        |       |         |                                   |           |            |        |  |
|                                            |        |       |                                           |        |       |         |                                   |           |            |        |  |
|                                            |        |       |                                           |        |       |         |                                   |           |            |        |  |
|                                            |        |       |                                           |        |       |         |                                   |           |            |        |  |
|                                            |        |       |                                           |        |       |         |                                   |           |            |        |  |
| CONNECTED TOTALS (V-A)                     | 355672 | 14833 | 60640                                     | 409637 | 57830 | 9120    | 62088                             |           | 972020 VA  | 1169 A |  |
| DIVERSITY FACTORS                          | 125%   | 100%  | 58%                                       | 109%   | 100%  | 65%     | 100%                              |           | --         | --     |  |
| DEMAND TOTAL (V-A)                         | 444590 | 14833 | 35320                                     | 447464 | 57830 | 5928    | 62088                             |           | 1070253 VA | 1287 A |  |

NOTE:  
1. BP3 LOADS INDICATED ABOVE ARE NOT INDICATED ANYWHERE ELSE IN THIS DRAWINGS SET. THESE LOADS CAN BE FOUND ON BP3: GOLD WALK DRAWINGS AND ARE NEW LOADS ASSOCIATED WITH THAT BID PACKAGE. THOSE LOADS ARE NOT NEW LOADS BEING ADDED IN THIS BID PACKAGE.

| (E) SK                                             |      |       |                               |       |         |               |                                 |          |       |
|----------------------------------------------------|------|-------|-------------------------------|-------|---------|---------------|---------------------------------|----------|-------|
| LOCATION: MECHANICAL V 14<br>SUPPLY FROM: (E) T-SK |      |       | VOLTAGE: 120/208 Wye<br>SCCR: |       |         |               | BUS: 400 A<br>MAIN: 400 A - MCB |          |       |
| LOADS SUMMARY                                      | LTG  | RECPT | MOTOR                         | MISC. | KITCHEN | ELECTRIC HEAT | EV CHARGE                       | Load     |       |
| BP4D: EXISTING LOADS                               |      |       |                               |       |         |               |                                 | --       | --    |
| EXISTING METERED LOAD                              |      |       |                               |       |         |               |                                 | 23380 VA | 65 A  |
| BP4D: DEMOLISHED LOAD                              |      |       |                               |       |         |               |                                 | --       | --    |
| (E) PANEL_S                                        |      |       |                               |       |         |               |                                 | -9413 VA | -26 A |
| BP4D: NEW LOADS                                    |      |       |                               |       |         |               |                                 | --       | --    |
| PWR-A                                              | 4454 | 26560 | 6786                          | 12820 | 9120    | 8187          |                                 | 67927 VA | 189 A |
| PWR-C                                              | 1842 | 9000  | 2420                          | 600   |         |               |                                 | 16062 VA | 45 A  |
|                                                    |      |       |                               |       |         |               |                                 |          |       |
|                                                    |      |       |                               |       |         |               |                                 |          |       |
|                                                    |      |       |                               |       |         |               |                                 |          |       |
|                                                    |      |       |                               |       |         |               |                                 |          |       |
|                                                    |      |       |                               |       |         |               |                                 |          |       |
| CONNECTED TOTALS (V-A)                             | 6296 | 35560 | 9206                          | 13420 | 9120    | 8187          |                                 | 97956 VA | 272 A |
| DIVERSITY FACTORS                                  | 100% | 64%   | 106%                          | 100%  | 65%     | 100%          |                                 | --       | --    |
| DEMAND TOTAL (V-A)                                 | 6296 | 22780 | 9746                          | 13420 | 5928    | 8187          |                                 | 86016 VA | 239 A |

NOTE:  
1. LOADS INDICATED AS NEGATIVE VALUES ARE LOADS THAT ARE BEING DEMOLISHED. EXISTING PANEL ABOVE WAS METERED BY THE CONSTRUCTION TEAM FOR 30 DAYS FROM 3/18/21 THROUGH 4/23/21.  
2. EXISTING PANEL "PANEL\_S" LOCATED IN THE NEW SKI PATROL LOCKER ROOM IS CALLED OUT TO REMAIN BUT ALL EXISTING BRANCH CIRCUITING IS BEING DEMOLISHED AND NEW LOAD ON THIS PANEL IS ACCOUNTED FOR IN THIS BID PACKAGE.

| (EX) MECH IIA                                      |        |      |                               |        |       |         |                                 |           |           |       |  |
|----------------------------------------------------|--------|------|-------------------------------|--------|-------|---------|---------------------------------|-----------|-----------|-------|--|
| LOCATION: GONDOLA SQ GARAGE...<br>SUPPLY FROM: MDS |        |      | VOLTAGE: 480/277 Wye<br>SCCR: |        |       |         | BUS: 800 A<br>MAIN: 800 A - MCB |           |           |       |  |
| LOADS SUMMARY                                      | EXIST  | LTG  | RECPT                         | MOTOR  | MISC. | KITCHEN | ELECTRIC HEAT                   | EV CHARGE | Load      |       |  |
| BP4D: EXISTING LOADS                               |        |      |                               |        |       |         |                                 |           | --        | --    |  |
| EXISTING METERED LOAD                              | 245680 |      | 168                           | 2700   | 63090 | 42660   |                                 |           | 245680 VA | 296 A |  |
| ATS-DC                                             |        |      |                               |        |       |         |                                 |           | 108618 VA | 131 A |  |
| DEMOLISHED LOAD (SUBTRACTED)                       |        |      |                               |        |       |         |                                 |           | 0 VA      | --    |  |
| (EX) GH - BOILER ROOM                              | -37835 |      |                               |        |       |         |                                 |           | -37835 VA | -46 A |  |
|                                                    |        |      |                               |        |       |         |                                 |           |           |       |  |
| BP4D: EXISTING + NEW LOADS                         |        |      |                               |        |       |         |                                 |           | 0 VA      | --    |  |
| (E) LCC                                            | 32513  | 705  | 7400                          | 46726  |       |         | 8482                            |           | 95826 VA  | 115 A |  |
|                                                    |        |      |                               |        |       |         |                                 |           |           |       |  |
|                                                    |        |      |                               |        |       |         |                                 |           |           |       |  |
|                                                    |        |      |                               |        |       |         |                                 |           |           |       |  |
| BP4D: DEDUCT FOR LOAD DUPLICATION                  |        |      |                               |        |       |         |                                 |           | 0 VA      | --    |  |
| (E) LCC DEDUCT                                     | -32513 |      |                               |        |       |         |                                 |           | -32513 VA | -39 A |  |
| CONNECTED TOTALS (V-A)                             | 207845 | 873  | 10100                         | 109816 | 42660 |         | 8482                            |           | 379776 VA | 457 A |  |
| DIVERSITY FACTORS                                  | 125%   | 100% | 100%                          | 105%   | 100%  |         | 100%                            |           | --        | --    |  |
| DEMAND TOTAL (V-A)                                 | 259805 | 873  | 10050                         | 115511 | 42660 |         | 8482                            |           | 437382 VA | 526 A |  |

NOTE:  
1. LOADS INDICATED AS NEGATIVE VALUES ARE LOADS THAT ARE BEING DEMOLISHED. EXISTING PANELS ABOVE WERE METERED BY THE CONSTRUCTION TEAM FOR 30 DAYS FROM 3/18/21 THROUGH 4/23/21. LOADS AT THE BOTTOM OF THE LOAD SUMMARY THAT ARE LISTED AS DEDUCT ARE TO REMOVE LOAD DUPLICATION ON METERED DOWNSTREAM EQUIPMENT.  
2. EXISTING METERED LOAD AT THE TOP OF THIS LOAD SUMMARY WAS OBTAINED FROM THE UTILITY FOR THE TIME FRAME OF 1/18/20 THROUGH 1/18/21. THE VALUE INDICATED THERE IS THE PEAK OVER THAT PERIOD.  
3. LOAD FROM ATS-DC IS INDICATED AS EXISTING AS THIS LOAD IS ASSOCIATED WITH BP1B SCOPE THAT WAS ADDED PRIOR TO ISSUANCE OF THIS BID PACKAGE AFTER UTILITY METERING OCCURED.

| Steamboat Base Village Redevelopment |       |                       |       |        |  |    |                                             |           |        | ME Engineers Inc.  |                    |    |       |     | PANEL                                          |             | (E) LCC                              |    |
|--------------------------------------|-------|-----------------------|-------|--------|--|----|---------------------------------------------|-----------|--------|--------------------|--------------------|----|-------|-----|------------------------------------------------|-------------|--------------------------------------|----|
| 3 Phase, 4 Wire + Gnd, 60Hz.         |       |                       |       |        |  |    |                                             |           |        | BUS 225 A          |                    |    |       |     | ENCLOSURE                                      |             | Type 1                               |    |
| SCCR                                 |       |                       |       |        |  |    |                                             |           |        | MAIN: 225 A - MLO  |                    |    |       |     | MOUNTING                                       |             | Surface                              |    |
|                                      |       |                       |       |        |  |    |                                             |           |        | GROUND BAR: Copper |                    |    |       |     | FED FROM                                       |             | (EX) MECH IIA                        |    |
|                                      |       |                       |       |        |  |    |                                             |           |        | OPTIONS:           |                    |    |       |     | LEVEL                                          |             | GSO Int - LEVEL 02.5 - C BUILDING... |    |
|                                      |       |                       |       |        |  |    |                                             |           |        | FEED THROUGH LUGS  |                    |    |       |     | LOCATION                                       |             | MECHANICAL V 14                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     | ISSUE DATE:                                    |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     | REFER TO DETAILS AND SPECIFICATION SECTION FOR |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     | PANELBOARD LAMINATED PLAQUE REQUIREMENTS.      |             |                                      |    |
| N                                    | LC    | DESCRIPTION           |       |        |  | P  | OC                                          | PKT       | A      | B                  | C                  | OC | PKT   | P   | DESCRIPTION                                    | LC          | N                                    |    |
| 1                                    | --    | (E) PANEL N           |       |        |  | 3  | 20                                          | 1         | 0      | -14708             |                    |    | 2     | 100 | 3                                              | (D) LCC-RUR | EX                                   | 3  |
| --                                   | --    | --                    |       |        |  | -- | --                                          | 3         |        | 0                  | -14708             |    | 4     | --  | --                                             | --          | --                                   | -- |
| --                                   | --    | --                    |       |        |  | -- | --                                          | 5         |        |                    |                    | 6  | --    | --  | --                                             | --          | --                                   | -- |
| 1                                    | --    | (E) PCC1E             |       |        |  | 3  | 50                                          | 7         | 0      | 0                  |                    |    | 8     | 100 | 3                                              | SPARE       | --                                   | 1  |
| --                                   | --    | --                    |       |        |  | -- | --                                          | 9         |        | 0                  | 0                  |    | 10    | --  | --                                             | --          | --                                   | -- |
| --                                   | --    | --                    |       |        |  | -- | --                                          | 11        |        |                    |                    | 0  | 12    | --  | --                                             | --          | --                                   | -- |
| 1                                    | --    | SPARE                 |       |        |  | 3  | 50                                          | 13        | 0      | 11749              |                    |    | 14    | 100 | 3                                              | MECH-C      | E:                                   | 2  |
| --                                   | --    | --                    |       |        |  | -- | --                                          | 15        |        | 0                  | 11749              |    | 16    | --  | --                                             | --          | --                                   | -- |
| --                                   | --    | --                    |       |        |  | -- | --                                          | 17        |        |                    |                    | 0  | 11749 | 18  | --                                             | --          | --                                   | -- |
| 1                                    | --    | (E) LDC               |       |        |  | 3  | 100                                         | 19        | 0      | 9007               |                    |    | 20    | 70  | 3                                              | T-PWR-F     | L:                                   | 2  |
| --                                   | --    | --                    |       |        |  | -- | --                                          | 21        |        | 0                  | 8736               |    | 22    | --  | --                                             | --          | --                                   | -- |
| --                                   | --    | --                    |       |        |  | -- | --                                          | 23        |        |                    |                    | 0  | 10323 | 24  | --                                             | --          | --                                   | -- |
| --                                   | --    | SPARE                 |       |        |  | 1  | 20                                          | 25        | 0      | 0                  |                    |    | 26    | 20  | 1                                              | SPARE       | --                                   | -- |
| --                                   | --    | SPARE                 |       |        |  | 1  | 20                                          | 27        |        | 0                  | 0                  |    | 28    | 20  | 1                                              | SPARE       | --                                   | -- |
| --                                   | --    | SPARE                 |       |        |  | 1  | 20                                          | 29        |        |                    |                    | 0  | 30    | 20  | 1                                              | SPARE       | --                                   | -- |
| --                                   | --    | SPARE                 |       |        |  | 1  | 20                                          | 31        | 0      | 0                  |                    |    | 32    | 20  | 1                                              | SPARE       | --                                   | -- |
| --                                   | --    | SPARE                 |       |        |  | 1  | 20                                          | 33        |        | 0                  | 0                  |    | 34    | 20  | 1                                              | SPARE       | --                                   | -- |
| --                                   | --    | SPARE                 |       |        |  | 1  | 20                                          | 35        |        |                    |                    | 0  | 36    | 20  | 1                                              | SPARE       | --                                   | -- |
| --                                   | EX    | EXISTING METERED LOAD |       |        |  | 3  | 20                                          | 37        | 25546  | 0                  |                    |    | 38    | 20  | 1                                              | SPARE       | --                                   | -- |
| --                                   | --    | --                    |       |        |  | -- | --                                          | 39        |        | 25546              | 0                  |    | 40    | 20  | 1                                              | SPARE       | --                                   | -- |
| --                                   | --    | --                    |       |        |  | -- | --                                          | 41        |        |                    | 25546              | 0  | 42    | 20  | 1                                              | SPARE       | --                                   | -- |
| PER PHASE VA WITH DOWNSTREAM LOADS   |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
| PHASE                                | A     | B                     | C     | TOTALS |  |    | LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
| CALC                                 | 34959 | 34659                 | 36415 | 106033 |  |    | CATEGORY                                    | CONNECTED | FACTOR | CALC. V-A          | AMPS @ 480/277 Wye |    |       |     |                                                |             |                                      |    |
| CMNCTD                               | 31594 | 31323                 | 32510 | 95826  |  |    | LIGHTING                                    | 705       | 100%   | 705                | 1                  |    |       |     |                                                |             |                                      |    |
| DOWNSTREAM FEED THROUGH LUG PANELS   |       |                       |       |        |  |    | RECEPTACLE                                  | 7400      | 100%   | 7400               | 9                  |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    | MOTOR                                       | 46726     | 104%   | 48804              | 59                 |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    | MISCELLANEOUS                               |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    | KITCHEN                                     |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    | ELECTRIC HEAT                               | 8482      | 100%   | 8482               | 10                 |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    | EV CHARGING                                 |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    | EXISTING                                    | 32513     | 125%   | 40641              | 49                 |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
|                                      |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |
| </                                   |       |                       |       |        |  |    |                                             |           |        |                    |                    |    |       |     |                                                |             |                                      |    |

NOTE:  
1. LOADS INDICATED AS NEGATIVE VALUES ARE LOADS THAT ARE BEING DEMOLISHED. EXISTING PANEL ABOVE WAS METERED BY THE CONSTRUCTION TEAM FOR 30 DAYS FROM 3/18/21 THROUGH 4/23/21.

| (EX) MECH IIB                               |        |      |                               |       |       |         |                                 |           |           |       |  |
|---------------------------------------------|--------|------|-------------------------------|-------|-------|---------|---------------------------------|-----------|-----------|-------|--|
| LOCATION: ELECTRICAL 43<br>SUPPLY FROM: MDS |        |      | VOLTAGE: 480/277 Wye<br>SCCR: |       |       |         | BUS: 600 A<br>MAIN: 600 A - MCB |           |           |       |  |
| LOADS SUMMARY                               | EXIST  | LTG  | RECPT                         | MOTOR | MISC. | KITCHEN | ELECTRIC HEAT                   | EV CHARGE | Load      |       |  |
| BP4D: EXISTING LOADS                        |        |      |                               |       |       |         |                                 |           | 0 VA      | --    |  |
| EXISTING METERED LOAD                       | 150737 |      |                               |       |       |         |                                 |           | 150737 VA | 181 A |  |
| DEMOLISHED LOAD (SUBTRACTED)                |        |      |                               |       |       |         |                                 |           | --        | --    |  |
| (EX) SKIS1XNW - SKI SCHOOL                  | -58282 |      |                               |       |       |         |                                 |           | -58282 VA | -70 A |  |
| BP4D: EXISTING + NEW LOADS                  |        |      |                               |       |       |         |                                 |           | 0 VA      | --    |  |
| (E) T-SK                                    | 13967  | 6296 | 35560                         | 9206  | 13420 | 9120    | 8187                            |           | 97956 VA  | 118 A |  |
|                                             |        |      |                               |       |       |         |                                 |           |           |       |  |
|                                             |        |      |                               |       |       |         |                                 |           |           |       |  |
|                                             |        |      |                               |       |       |         |                                 |           |           |       |  |
|                                             |        |      |                               |       |       |         |                                 |           |           |       |  |
|                                             |        |      |                               |       |       |         |                                 |           |           |       |  |
| BP4D: DEDUCT FOR LOAD...                    |        |      |                               |       |       |         |                                 |           | 0 VA      | --    |  |
| (E) SK DEDUCT                               | -13967 |      |                               |       |       |         |                                 |           | -13967 VA | -17 A |  |
| CONNECTED TOTALS (V-A)                      | 92455  | 6296 | 35560                         | 9206  | 13420 | 9120    | 8187                            |           | 176444 VA | 212 A |  |
| DIVERSITY FACTORS                           | 125%   | 100% | 64%                           | 106%  | 100%  | 65%     | 100%                            |           | --        | --    |  |
| DEMAND TOTAL (V-A)                          | 115589 | 6296 | 22780                         | 9746  | 13420 | 5928    | 8187                            |           | 184126 VA | 221 A |  |

NOTE:  
1. LOADS INDICATED AS NEGATIVE VALUES ARE LOADS THAT ARE BEING DEMOLISHED. EXISTING PANELS ABOVE WERE METERED BY THE CONSTRUCTION TEAM FOR 30 DAYS FROM 3/18/21 THROUGH 4/23/21. LOADS AT THE BOTTOM OF THE LOAD SUMMARY THAT ARE LISTED AS DEDUCT ARE TO REMOVE LOAD DUPLICATION ON METERED DOWNSTREAM EQUIPMENT.  
2. EXISTING M

| Steamboat Base Village Redevelopment    |      |                                |      |        |               |                   |        |          |                    | ME Engineers Inc.                           |    |     |      |      |      |     |    |    |             | PANEL                                                                                    |    | PWR-C    |  |
|-----------------------------------------|------|--------------------------------|------|--------|---------------|-------------------|--------|----------|--------------------|---------------------------------------------|----|-----|------|------|------|-----|----|----|-------------|------------------------------------------------------------------------------------------|----|----------|--|
| 120/208 Vye                             |      |                                |      |        |               |                   |        |          |                    | BUS: 100 A                                  |    |     |      |      |      |     |    |    |             | ENCLOSURE                                                                                |    | Type 1   |  |
| 3 Phase, 4 Wire + Gnd. 60Hz.            |      |                                |      |        |               |                   |        |          |                    | MANS: MLO                                   |    |     |      |      |      |     |    |    |             | MOUNTING:                                                                                |    | Surface  |  |
| SCCR:                                   |      |                                |      |        |               |                   |        |          |                    | GROUND BARS: Cooper                         |    |     |      |      |      |     |    |    |             | FED FROM:                                                                                |    | (S) 3K   |  |
| NOTES:                                  |      |                                |      |        |               |                   |        |          |                    | OPTIONS:                                    |    |     |      |      |      |     |    |    |             | LEVEL: GSQT Int - LEVEL 02.5 - GCBUILDING                                                |    |          |  |
| 1. PROVIDE GFCI TYPE CIRCUIT BREAKER.   |      |                                |      |        |               |                   |        |          |                    |                                             |    |     |      |      |      |     |    |    |             | LOCATION:                                                                                |    | ELEC 104 |  |
|                                         |      |                                |      |        |               |                   |        |          |                    |                                             |    |     |      |      |      |     |    |    |             | ISSUE DATE:                                                                              |    |          |  |
|                                         |      |                                |      |        |               |                   |        |          |                    |                                             |    |     |      |      |      |     |    |    |             | REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLaque REQUIREMENTS. |    |          |  |
| N                                       | LC   | DESCRIPTION                    |      |        |               |                   |        |          |                    | P                                           | OC | CKT | A    | B    | C    | CKT | OC | P  | DESCRIPTION | LC                                                                                       | N  |          |  |
| R                                       |      | ROOM C.202 PLUG MOLD           |      |        |               |                   |        |          |                    | 1                                           | 20 | 1   | 1260 | 600  |      | 2   | 20 | 1  | CP-2        | M                                                                                        |    |          |  |
| R                                       |      | ROOM C.202 PLUG MOLD           |      |        |               |                   |        |          |                    | 1                                           | 20 | 3   |      | 1260 | 540  |     | 4  | 20 | 1           | RESTROOM GFCI AC RECEPTS                                                                 | M  |          |  |
| R                                       |      | ROOM C.202 PLUG MOLD           |      |        |               |                   |        |          |                    | 2                                           | 5  | 5   |      |      | 1260 | 540 | 6  | 20 | 1           | REC JAN CLOS LOCKER RM                                                                   | R  |          |  |
| R                                       |      | ROOM C.202 PLUG MOLD           |      |        |               |                   |        |          |                    | 1                                           | 20 | 7   | 1260 | 0    |      | 8   | 20 | 1  | SPARE       |                                                                                          |    |          |  |
| R                                       |      | ROOM C.202 PLUG MOLD           |      |        |               |                   |        |          |                    | 1                                           | 20 | 9   |      | 1260 | 479  |     | 10 | 20 | 1           | BLDG G MEP RM, JAN & STORAGE LTG                                                         | L  |          |  |
| R                                       |      | ROOM C.202 PLUG MOLD           |      |        |               |                   |        |          |                    | 2                                           | 11 | 11  |      |      | 1260 | 106 | 12 | 20 | 1           | CLH C1                                                                                   | M  |          |  |
| M                                       |      | ACRT C1                        |      |        |               |                   |        |          |                    | 1                                           | 20 | 13  | 612  | 94   |      | 14  | 20 | 1  | CLH C2      | M                                                                                        |    |          |  |
| 1                                       | X    | DRINK POINT LOCKER ROOM        |      |        |               |                   |        |          |                    | 1                                           | 20 | 15  |      | 600  | 94   |     | 16 | 20 | 1           | CLH C3                                                                                   | M  |          |  |
| R                                       |      | REC ELEC C.208, CHANG RM, CONV |      |        |               |                   |        |          |                    | 1                                           | 20 | 17  |      |      | 360  | 94  | 18 | 20 | 1           | CLH C4                                                                                   | M  |          |  |
| L                                       |      | EXIT SIGNS BUILDING C & F      |      |        |               |                   |        |          |                    | 1                                           | 20 | 19  | 33   | 94   |      | 20  | 20 | 1  | CLH C5      | M                                                                                        |    |          |  |
| L                                       |      | ROOM ROOM LTG                  |      |        |               |                   |        |          |                    | 1                                           | 20 | 21  |      | 1330 | 120  |     | 22 | 20 | 1           | CLH C6                                                                                   | M  |          |  |
|                                         |      | IT RACK (LS-3SR)               |      |        |               |                   |        |          |                    | 2                                           | 30 | 23  |      |      | 1100 | 106 | 24 | 20 | 1           | CLH C8                                                                                   | M  |          |  |
| --                                      | --   | -- 25 1100 500                 |      |        |               |                   |        |          |                    | --                                          | -- | --  | --   | --   | --   | --  | -- | -- | --          | MOTORIZED DOOR OPERATOR                                                                  | M  |          |  |
| --                                      | --   | SPARE                          |      |        |               |                   |        |          |                    | 1                                           | 20 | 27  |      | 0    | 0    |     | 28 | 20 | 1           | SPARE                                                                                    | -- |          |  |
| --                                      | --   | SPARE                          |      |        |               |                   |        |          |                    | 20                                          | 29 |     |      |      | 0    | 0   | 30 | 20 | 1           | SPARE                                                                                    | -- |          |  |
| --                                      | --   | SPARE                          |      |        |               |                   |        |          |                    | 1                                           | 20 | 31  | 0    | 0    |      |     | 32 | 20 | 1           | SPARE                                                                                    | -- |          |  |
| --                                      | --   | SPARE                          |      |        |               |                   |        |          |                    | 1                                           | 20 | 33  |      | 0    | 0    |     | 34 | 20 | 1           | SPARE                                                                                    | -- |          |  |
| --                                      | --   | SPARE                          |      |        |               |                   |        |          |                    | 1                                           | 20 | 35  |      |      | 0    | 0   | 36 | 20 | 1           | SPARE                                                                                    | -- |          |  |
| --                                      | --   | SPARE                          |      |        |               |                   |        |          |                    | 1                                           | 20 | 37  | 0    | 0    |      |     | 38 | 20 | 1           | SPARE                                                                                    | -- |          |  |
| --                                      | --   | SPARE                          |      |        |               |                   |        |          |                    | 1                                           | 20 | 39  |      | 0    | 0    |     | 40 | 20 | 1           | SPARE                                                                                    | -- |          |  |
| --                                      | --   | SPARE                          |      |        |               |                   |        |          |                    | 1                                           | 20 | 41  |      |      | 0    | 0   | 42 | 20 | 1           | SPARE                                                                                    | -- |          |  |
| PER PHASE VA WITH DOWNSTREAM LOADS      |      |                                |      |        |               |                   |        |          |                    | LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
| PHASE                                   | A    | B                              | C    | TOTALS | CATEGORY      | CONNECTED         | FACTOR | CALC. VA | AMPS @ 120/208 Vye |                                             |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
| CALC                                    | 5608 | 5737                           | 4872 | 16215  | LIGHTING      | 1842              | 100%   | 1842     | 5                  |                                             |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
| CNCTD                                   | 5553 | 5683                           | 4526 | 16662  | RECEPTACLE    | 1000              | 100%   | 1000     | 25                 |                                             |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
|                                         |      |                                |      |        | MOTOR         | 2420              | 100%   | 2573     | 7                  |                                             |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
|                                         |      |                                |      |        | MISCELLANEOUS | 600               | 100%   | 600      | 2                  |                                             |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
| CONDUCTOR COLORS (C= TO LABEL IN PANEL) |      |                                |      |        |               |                   |        |          |                    | KITCHEN                                     |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
|                                         |      |                                |      |        |               |                   |        |          |                    | ELECTRIC HEAT                               |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
|                                         |      |                                |      |        |               |                   |        |          |                    | EV CHARGING                                 |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
|                                         |      |                                |      |        |               |                   |        |          |                    | EXISTING                                    |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
| A                                       |      |                                |      |        | 285X132       | 480X277           |        |          |                    |                                             |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
| B                                       |      |                                |      |        | BLACK         | BROWN             |        |          |                    |                                             |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
| C                                       |      |                                |      |        | BLUE          | ORANGE            |        |          |                    |                                             |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
| N                                       |      |                                |      |        | GREEN         | YELLOW            |        |          |                    |                                             |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
| M                                       |      |                                |      |        | WHITE         | WHITE/GRAY STRIPE |        |          |                    |                                             |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
| A                                       |      |                                |      |        | BLUE          | GREEN             |        |          |                    |                                             |    |     |      |      |      |     |    |    |             |                                                                                          |    |          |  |
| TOTAL                                   |      |                                |      |        |               |                   |        |          |                    | 16082                                       |    |     |      |      |      |     |    |    |             | 16215                                                                                    |    | 45       |  |

| Steamboat Base Village Redevelopment |          |                                |       |       |                                     |                                             |  |  |  | ME Engineers Inc. |    |     |      |      |      |      |    |    |                                | PANEL:                                                                                   |                         | PWR-F                       |    |
|--------------------------------------|----------|--------------------------------|-------|-------|-------------------------------------|---------------------------------------------|--|--|--|-------------------|----|-----|------|------|------|------|----|----|--------------------------------|------------------------------------------------------------------------------------------|-------------------------|-----------------------------|----|
| 120208 Wyo                           |          |                                |       |       |                                     |                                             |  |  |  | BUS: 150 A        |    |     |      |      |      |      |    |    |                                | ENCLOSURE:                                                                               |                         | Type 1                      |    |
| 3 Phase, 4 Wire + Gnd. 60Hz.         |          |                                |       |       |                                     |                                             |  |  |  | MANS: 150 A - MLO |    |     |      |      |      |      |    |    |                                | MOUNTING:                                                                                |                         | Surface                     |    |
| S.C.R.C.                             |          |                                |       |       |                                     |                                             |  |  |  | GROUND BARE       |    |     |      |      |      |      |    |    |                                | FED FROM:                                                                                |                         | T-PWR/F                     |    |
| NOTES:                               |          |                                |       |       |                                     |                                             |  |  |  | OPTIONS:          |    |     |      |      |      |      |    |    |                                | LEVEL:                                                                                   |                         | ISSUE DATE:                 |    |
| 1. PROVIDE SHUNT TRIP BREAKER.       |          |                                |       |       |                                     |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                | GSG INT. LEVEL 02.5 - C BUILDING.                                                        |                         | COMPANY SECTION   LAUNDRY 2 |    |
|                                      |          |                                |       |       |                                     |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                | REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS. |                         |                             |    |
| N                                    | LC       | DESCRIPTION                    |       |       |                                     |                                             |  |  |  | P                 | OC | CKT | A    | B    | C    | CKT  | OC | P  | DESCRIPTION                    | LC                                                                                       | N                       |                             |    |
| R                                    |          | DESK QUAD RECEIPT BELOW PANEL  |       |       |                                     |                                             |  |  |  | 1                 | 0  | 1   | 350  | 1664 |      | 2    | 2  | 2  | LARGE COMMERCIAL WASHER        | M                                                                                        | --                      |                             |    |
| R                                    |          | OFFICE F 203 RECEIPTS          |       |       |                                     |                                             |  |  |  | 1                 | 0  | 3   |      | 540  | 1664 |      | 4  | -- | --                             | --                                                                                       | --                      |                             |    |
| M                                    |          | SMALL RESIDENTIAL WASHER       |       |       |                                     |                                             |  |  |  | 1                 | 0  | 5   |      |      | 1800 | 1440 |    | 6  | 20                             | 1                                                                                        | --                      |                             |    |
| E                                    |          | GWH-1                          |       |       |                                     |                                             |  |  |  | 1                 | 0  | 7   | 500  | 1440 |      | 8    | 2  | 10 | GAS DRYER #1                   | M                                                                                        | --                      |                             |    |
| M                                    |          | EF - F201                      |       |       |                                     |                                             |  |  |  | 1                 | 0  | 9   |      | 32   | 360  |      | 10 | 20 | GAS DRYER #2                   | M                                                                                        | --                      |                             |    |
| R                                    |          | REC COUNT #1 SINK AREA LAUNDRY |       |       |                                     |                                             |  |  |  | 1                 | 0  | 11  |      | 180  | 360  |      | 12 | 20 | STORAGE F 208 RECEIPT          | R                                                                                        | --                      |                             |    |
| R                                    |          | REC COUNT #2 SINK AREA LAUNDRY |       |       |                                     |                                             |  |  |  | 1                 | 0  | 13  | 180  | 180  |      | 14   | 20 | 11 | STORAGE F 209 RECEIPTS         | R                                                                                        | --                      |                             |    |
| R                                    |          | REC DESK SINK AREA LAUNDRY     |       |       |                                     |                                             |  |  |  | 1                 | 0  | 15  |      | 360  | 705  |      | 16 | 20 | REC COUNT #1 SINK AREA LAUNDRY | R                                                                                        | --                      |                             |    |
| R                                    |          | REC FRONT DESK & CONV LAUNDRY  |       |       |                                     |                                             |  |  |  | 1                 | 0  | 17  |      |      | 720  | 188  |    | 18 | 20                             | BLDG F - LTG                                                                             | L                       | --                          |    |
| R                                    |          | HR OFFICE F 205                |       |       |                                     |                                             |  |  |  | 1                 | 0  | 19  | 120  | 188  |      | 20   | -- | -- | FCU F2-01                      | M                                                                                        | --                      |                             |    |
| R                                    |          | SECURITY F 201 CONV RECEIPTS   |       |       |                                     |                                             |  |  |  | 1                 | 0  | 21  |      | 540  | 188  |      | 22 | 20 | --                             | --                                                                                       | --                      |                             |    |
| R                                    |          | SECURITY OFFICE F 204 RECEIPTS |       |       |                                     |                                             |  |  |  | 1                 | 0  | 23  |      |      | 720  | 188  |    | 24 | --                             | FCU F2-02                                                                                | M                       | --                          |    |
| R                                    |          | REC OFF F 203 EXT WALL         |       |       |                                     |                                             |  |  |  | 1                 | 0  | 25  | 720  | 188  |      | 26   | 20 | 2  | --                             | FCU F2-03                                                                                | M                       | --                          |    |
| R                                    |          | REC SECURITY DESK 201          |       |       |                                     |                                             |  |  |  | 1                 | 0  | 27  |      | 540  | 188  |      | 28 | -- | --                             | --                                                                                       | --                      |                             |    |
| R                                    |          | MIDDLE F 202 RECEIPTS          |       |       |                                     |                                             |  |  |  | 1                 | 0  | 29  |      |      | 920  | 188  |    | 30 | 20                             | 2                                                                                        | FCU F2-04               | M                           | -- |
| M                                    |          | CP-1                           |       |       |                                     |                                             |  |  |  | 1                 | 0  | 31  | 600  | 188  |      | 32   | -- | -- | --                             | --                                                                                       | --                      | --                          |    |
| M                                    |          | CU F1 - PARKING GARAGE         |       |       |                                     |                                             |  |  |  | 2                 | 20 | 33  |      | 1040 | 500  |      | 34 | 20 | 1                              | MOTORIZED DOOR OPERATOR                                                                  | M                       | --                          |    |
| M                                    |          |                                |       |       |                                     |                                             |  |  |  | 2                 | 20 | 35  |      |      | 1040 | 500  |    | 36 | 20                             | 1                                                                                        | MOTORIZED DOOR OPERATOR | M                           | -- |
| M                                    |          | CU F2 - PARKING GARAGE         |       |       |                                     |                                             |  |  |  | 2                 | 20 | 37  | 1040 | 0    |      | 38   | -- | 20 | 2                              | --                                                                                       | SPARE                   | --                          |    |
| --                                   |          |                                |       |       |                                     |                                             |  |  |  | --                | -- | 39  | --   | 1040 | 0    | 40   | -- | -- | --                             | --                                                                                       | SPARE                   | --                          |    |
| --                                   |          | CU F3 - PARKING GARAGE         |       |       |                                     |                                             |  |  |  | 2                 | 20 | 41  | 1040 | 0    | 1040 | 0    | 42 | -- | 2                              | --                                                                                       | SPARE                   | --                          |    |
| --                                   |          |                                |       |       |                                     |                                             |  |  |  | --                | -- | 43  | 1040 | 0    | --   | 44   | -- | -- | --                             | SPARE                                                                                    | --                      |                             |    |
| M                                    |          | CU F4 - PARKING GARAGE         |       |       |                                     |                                             |  |  |  | 2                 | 20 | 45  |      | 1040 | 0    | 46   | 20 | 3  | --                             | SPARE                                                                                    | --                      |                             |    |
| 2                                    |          |                                |       |       |                                     |                                             |  |  |  | 2                 | 20 | 47  | --   | --   | 1040 | 0    | 48 | -- | --                             | --                                                                                       | SPARE                   | --                          |    |
| --                                   |          | SPARE                          |       |       |                                     |                                             |  |  |  | 1                 | 30 | 49  | 0    | 0    | 0    | 50   | -- | -- | --                             | --                                                                                       | SPARE                   | --                          |    |
| --                                   |          | SPARE                          |       |       |                                     |                                             |  |  |  | 1                 | 30 | 51  | 0    | 0    | 0    | 52   | 20 | 1  | --                             | --                                                                                       | SPARE                   | --                          |    |
| --                                   |          | SPARE                          |       |       |                                     |                                             |  |  |  | 1                 | 30 | 53  | --   | --   | 0    | 54   | 20 | 1  | --                             | --                                                                                       | SPARE                   | --                          |    |
| --                                   |          | SPARE                          |       |       |                                     |                                             |  |  |  | 1                 | 30 | 55  | 0    | 0    | 0    | 56   | 20 | 1  | --                             | --                                                                                       | SPARE                   | --                          |    |
| --                                   |          | SPARE                          |       |       |                                     |                                             |  |  |  | 1                 | 30 | 57  | 0    | 0    | 0    | 58   | 20 | 1  | --                             | --                                                                                       | SPARE                   | --                          |    |
| --                                   |          | SPARE                          |       |       |                                     |                                             |  |  |  | 1                 | 30 | 59  | --   | --   | 0    | 60   | 20 | 1  | --                             | --                                                                                       | SPARE                   | --                          |    |
| PER PHASE VA WITH DOWNSTREAM LOADS   |          |                                |       |       |                                     |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          |                         |                             |    |
| PHASE                                |          | A                              | B     | C     | TOTALS                              | LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          |                         |                             |    |
| CALC                                 | 9274     | 8995                           | 10629 | 28897 | CATEGORY CONNECTED FACTOR CALC. V-A |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          | AMPS @ 120208 Wyo       |                             |    |
| CNCTG                                | 0007     | 8736                           | 10323 | 28805 | LIGHTING 705 100% 705 2             |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          | 2                       |                             |    |
|                                      |          |                                |       |       | RECEPTACLE 7400 100% 7400 21        |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          | 21                      |                             |    |
|                                      |          |                                |       |       | MOTOR 19460 104% 20292              |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          | 56                      |                             |    |
|                                      |          |                                |       |       | MISCELLANEOUS                       |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          |                         |                             |    |
|                                      |          |                                |       |       | KITCHEN                             |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          |                         |                             |    |
|                                      |          |                                |       |       | ELECTRIC HEAT 500 100% 500 1        |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          | 1                       |                             |    |
|                                      |          |                                |       |       | EV CHARGING                         |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          |                         |                             |    |
|                                      |          |                                |       |       | EXISTING                            |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          |                         |                             |    |
| A                                    | 208Y/120 |                                |       |       | 480Y/277                            |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          |                         |                             |    |
| B                                    | BLUE     |                                |       |       | BROWN                               |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          |                         |                             |    |
| C                                    | RED      |                                |       |       | ORANGE                              |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          |                         |                             |    |
| D                                    | BLUE     |                                |       |       | YELLOW                              |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          |                         |                             |    |
| E                                    | WHITE    |                                |       |       | WHITE/GRAY STRIPE                   |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          |                         |                             |    |
| G                                    | GREEN    |                                |       |       | GREEN                               |                                             |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          |                         |                             |    |
| TOTAL                                |          |                                |       |       | 28805                               | 28897                                       |  |  |  |                   |    |     |      |      |      |      |    |    |                                |                                                                                          |                         | 80                          |    |

Steamboat Base Village Redevelopment

12/02/06 Wye

3 Phase, 4 Wire + Gnd. 60Hz.

SCCR:

M E Engineers Inc.

BUS. 225 A

MAINS: MLO

GROUND BAR: Copper

OPTIONS:

PANEL

ENCLOSURE:

MOUNTING:

FED FROM:

LEVEL: GSG INT - LEVEL 04 + A-BUILDING

LOCATION:

ELECTRICAL 46

ISSUE DATE:

REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.

NOTES:

1. EXISTING LOAD TO BE RECIRCUITED TO THIS PANEL FROM NEW BREAKER.

2. PROVIDE GROUND TYPE CIRCUIT BREAKER.

3. PROVIDE RED BREAKER WITH LOCKOUT PROVISION FOR FIRE ALARM.

| N  | C | DESCRIPTION                 | P | OCC | CKT | A       | B         | C        | CKT | OCCP | P | DESCRIPTION                     | LC | N   |
|----|---|-----------------------------|---|-----|-----|---------|-----------|----------|-----|------|---|---------------------------------|----|-----|
| L  |   | LVL 02 OFFICE LTG           | 1 | 02  | 61  | 120     | 1920      |          | 62  | 20   |   | (EX) HEAT TRACE CIRCUIT REFEED  | X  | 1.2 |
| R  |   | LVL 02 OFFICE RECEPITS      | 1 | 00  | 63  |         | 1080 1920 |          | 64  | 20   |   | (EX) HEAT TRACE CIRCUIT REFEED  | X  | 1.2 |
| -- |   | SPARE                       | 1 | 00  | 65  |         |           | 0 1920   | 65  | 20   |   | (EX) HEAT TRACE CIRCUIT REFEED  | X  | 1.2 |
| -- |   | SPARE                       | 1 | 00  | 67  | 0 1920  |           |          | 68  | 20   |   | (EX) HEAT TRACE CIRCUIT REFEED  | X  | 1.2 |
| R  |   | REC OFF A 408               | 1 | 00  | 69  |         | 720 1100  |          | 70  | 20 2 |   | IDF A-314                       | X  |     |
| R  |   | REC OFF A 408 CORV CONV     | 1 | 00  | 71  |         |           | 720 1100 |     |      |   |                                 |    |     |
| R  |   | REC OFF A 405               | 1 | 00  | 73  | 540 540 |           |          | 74  | 20 1 |   | IDF A-314 REC                   | X  | --  |
| R  |   | REC COUNT PRINT AREA        | 1 | 00  | 75  |         | 180 220   |          | 76  | 20 1 |   | BLDG A LVL 04 - EM LTG          |    |     |
| R  |   | AC RECEPIT CORRIDOR A-400   | 1 | 00  | 78  |         |           | 180 667  | 78  | 20 1 |   | BLDG A LVL 04 - LTG             |    |     |
| R  |   | IT BUILD BENCH REC          | 1 | 00  | 79  | 360 383 |           |          | 80  | 20   |   | BLDG A LVL 03 - EM LTG          |    |     |
| R  |   | IT BUILD BENCH REC          | 1 | 00  | 81  |         | 360 1196  |          | 82  | 20 1 |   | BLDG A LVL 03 LTG               |    |     |
| R  |   | IT BUILD BENCH REC          | 1 | 00  | 83  |         |           | 360 1181 | 84  | 20 1 |   | BLDG A LVL 03 CORRIDOR LTG      |    |     |
| R  |   | REC CORV OFF A 403          | 1 | 00  | 84  | 540 148 |           |          | 86  | 20 1 |   | STAIRS - EM LTG                 |    |     |
| M  |   | EXISTING ADA LIFT           | 1 | 00  | 87  |         | 2160 72   |          | 88  | 20 1 |   | STAIRS - EM LTG                 |    |     |
| R  |   | EXISTING ADA LIFT           | 1 | 00  | 89  |         |           |          | 90  | 20 1 |   | BLDG A LVL 03 - CORRIDOR EM LTG |    |     |
| 3  | X | FIRE ALARM TRANSDUCER PANEL | 1 | 00  | 91  | 180 500 |           | 600 440  | 92  | 20 1 |   | MOTORIZED DOOR OPERATOR         |    |     |
| M  |   | EF A-301                    | 1 | 00  | 93  |         | 294 500   |          | 94  | 20 1 |   | MOTORIZED DOOR OPERATOR         |    |     |
| M  |   | EF A-302                    | 1 | 00  | 95  |         |           | 398 500  | 96  | 20 1 |   | MOTORIZED DOOR OPERATOR         |    |     |
| M  |   | EF A-303                    | 1 | 00  | 97  | 398 27  |           |          | 98  | 20 1 |   | EXIT SIGNS BUILDING A           |    |     |
| R  |   | FURN FEED OPEN OFF A 331    | 1 | 00  | 99  |         | 500 0     |          | 100 | 20 1 |   | SPARE                           |    | --  |
| R  |   | FURN FEED OPEN OFF A 331    | 1 | 00  | 101 |         |           | 500 0    | 102 | 20 1 |   | SPARE                           |    | --  |
| R  |   | FURN FEED OPEN OFF A 331    | 1 | 00  | 103 | 500 0   |           |          | 104 | 20 1 |   | SPARE                           |    | --  |
| R  |   | FURN FEED OPEN OFF A 331    | 1 | 00  | 105 |         | 500 0     |          | 106 | 20 1 |   | SPARE                           |    | --  |
| -- |   | SPARE                       | 1 | 00  | 107 |         |           | 0 0      | 108 | 20 1 |   | SPARE                           |    | --  |
| -- |   | SPARE                       | 1 | 00  | 109 | 0 0     |           |          | 110 | 20 1 |   | SPARE                           |    | --  |
| -- |   | SPARE                       | 1 | 00  | 111 |         | 0 0       |          | 112 | 20 1 |   | SPARE                           |    | --  |
| -- |   | SPARE                       | 1 | 00  | 113 |         |           | 0 0      | 114 | 20 1 |   | SPARE                           |    | --  |
| -- |   | SPARE                       | 1 | 00  | 115 | 0 0     |           |          | 116 | 20 1 |   | SPARE                           |    | --  |
| -- |   | SPARE                       | 1 | 00  | 117 |         | 0 0       |          | 118 | 20 1 |   | SPARE                           |    | --  |
| -- |   | SPARE                       | 1 | 00  | 119 |         |           | 0 0      | 120 | 20 1 |   | SPARE                           |    | --  |

PER PHASE VA WITH DOWNSTREAM LOADS

| PHASE                              | A    | B     | C    | TOTALS | CATEGORY      | CONNECTED | FACTOR | CALC. VA | AMPS @ 120/208 Wye |
|------------------------------------|------|-------|------|--------|---------------|-----------|--------|----------|--------------------|
| CALC                               | 8233 | 11015 | 8732 | 27980  | LIGHTING      | 4454      | 100%   | 4554     | 12                 |
| CNCTD                              | 8074 | 10802 | 8354 | 27280  | RECEPTACLE    | 7160      | 100%   | 7260     | 21                 |
| DOWNSTREAM FEED THROUGH LUG PANELS |      |       |      |        | MOTOR         | 5346      | 110%   | 5886     | 16                 |
|                                    |      |       |      |        | MISCELLANEOUS | 10060     | 100%   | 10060    | 28                 |
| KITCHEN                            |      |       |      |        |               |           |        |          |                    |
| ELECTRIC HEAT                      |      |       |      |        |               |           |        |          |                    |
| EV CHARGING                        |      |       |      |        |               |           |        |          |                    |
| EXISTING                           |      |       |      |        |               |           |        |          |                    |
| TOTAL                              |      |       |      |        |               |           |        |          |                    |
|                                    |      |       |      | 27440  |               |           |        | 27980    | 78                 |

208X120

480X127Z

BLK

BROWN

BLUE

YELLOW

WHITE

WHITE-GRAY-STRIPES

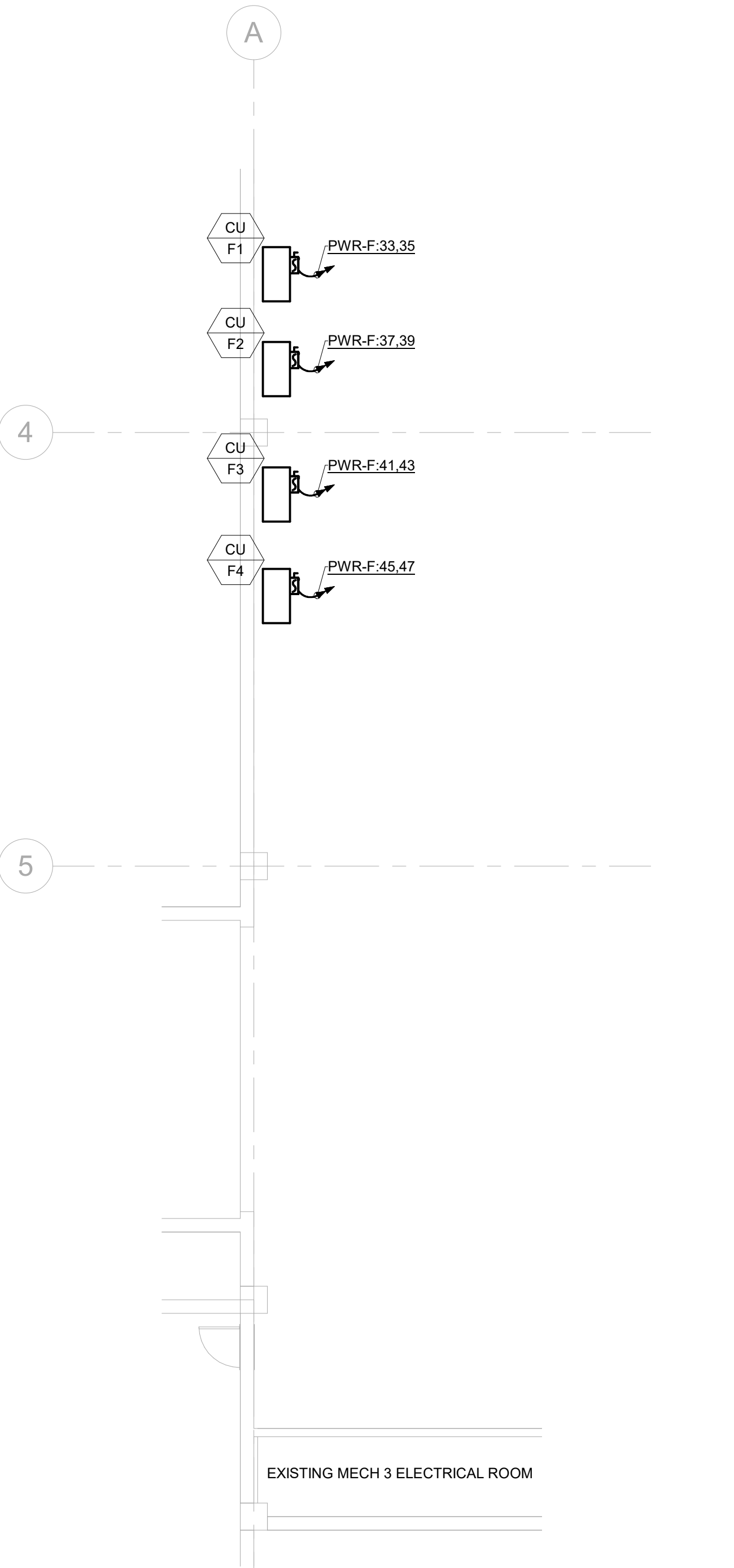
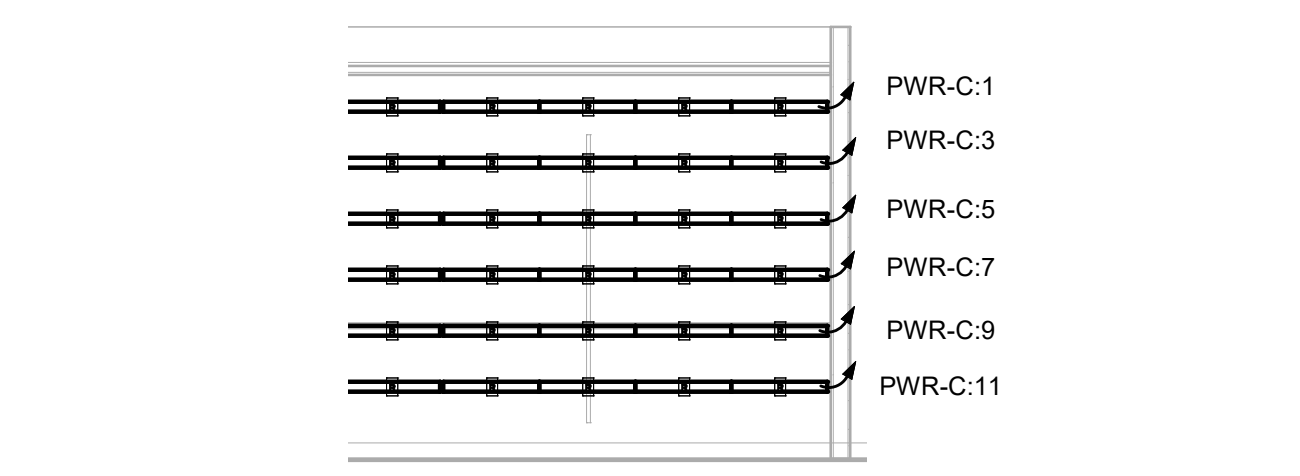
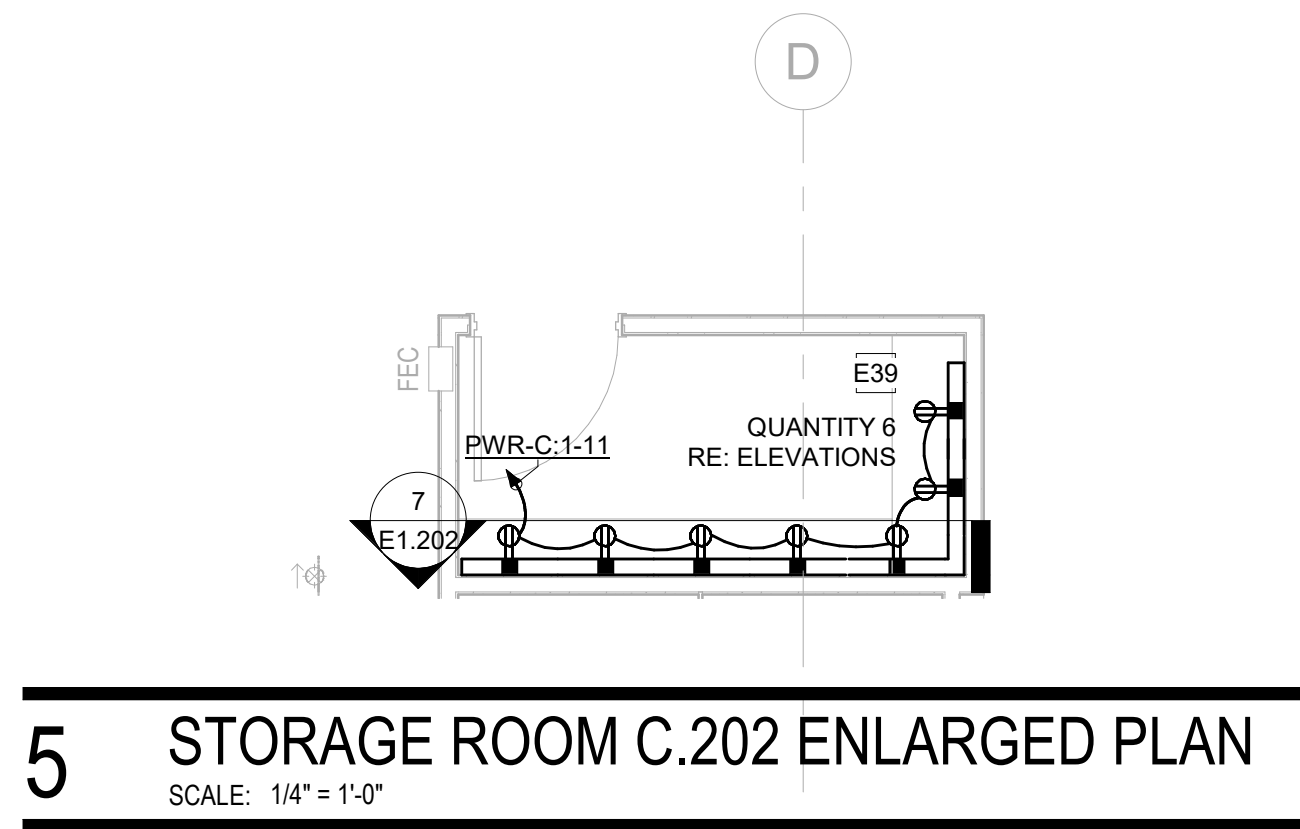
GREEN

GREEN

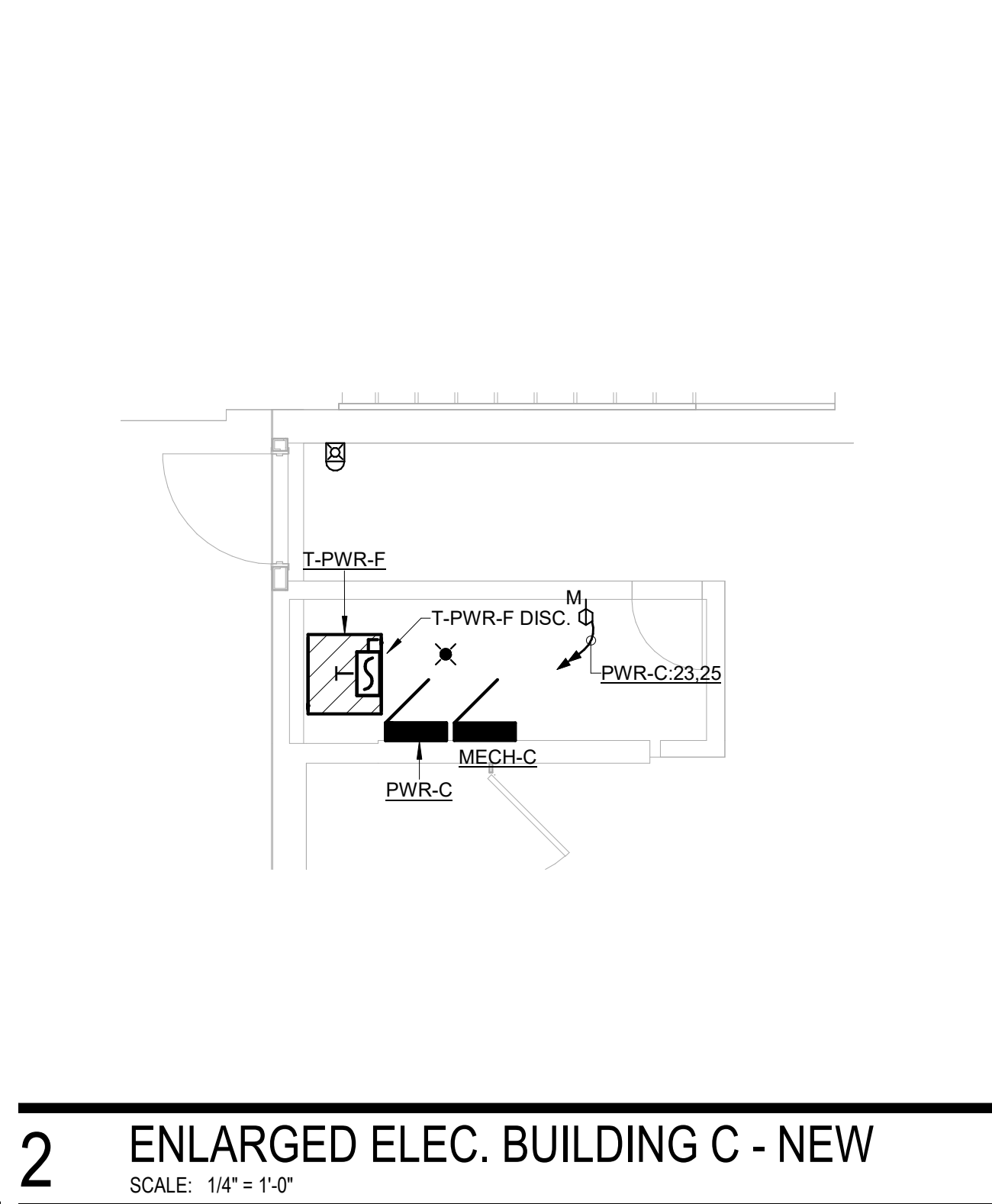
| Steamboat Base Village Redevelopment                 |       |                       |       |       |               |                                             |    |    |     | ME Engineers Inc.                                           |      |      |      |    |    |             |       |       |  | PANEL: ENCLOSURE: Type 1<br>MECH-C                                                            |  |
|------------------------------------------------------|-------|-----------------------|-------|-------|---------------|---------------------------------------------|----|----|-----|-------------------------------------------------------------|------|------|------|----|----|-------------|-------|-------|--|-----------------------------------------------------------------------------------------------|--|
| 480/277 Wye<br>3 Phase, 4 Wire + Gnd. 60Hz.<br>SCCR: |       |                       |       |       |               |                                             |    |    |     | BUS: 100 A<br>MAINS: MLO<br>GROUND BARS: Copper<br>OPTIONS: |      |      |      |    |    |             |       |       |  | FED FROM: Surface<br>E1 LCC<br>LEVEL: ISO Int. Level 02.5 - C BUILDING.<br>LOCATION: ELEC 104 |  |
| NOTES:                                               |       |                       |       |       |               |                                             |    |    |     | ISSUE DATE:                                                 |      |      |      |    |    |             |       |       |  | REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.      |  |
| N                                                    | LC    | DESCRIPTION           |       |       |               |                                             | P  | OC | CKT | A                                                           | B    | C    | CKT  | OC | P  | DESCRIPTION | LC    | N     |  |                                                                                               |  |
| M                                                    | --    | ERV-C2 SKI PATROL LKR |       |       |               |                                             | 3  | 20 | 1   | 2771                                                        | 0    | --   | 2    | 20 | 3  | SPARE       | --    | --    |  |                                                                                               |  |
| --                                                   | --    | --                    |       |       |               |                                             | -- | -- | --  | --                                                          | 2771 | 0    | --   | 4  | -- | --          | --    | --    |  |                                                                                               |  |
| --                                                   | --    | --                    |       |       |               |                                             | -- | -- | --  | 5                                                           | --   | 2771 | 0    | -- | 6  | --          | --    | --    |  |                                                                                               |  |
| M                                                    | --    | ERV-C1 SKI PATROL LKR |       |       |               |                                             | 3  | 20 | 7   | 2771                                                        | 0    | --   | 8    | 30 | 3  | SPARE       | --    | --    |  |                                                                                               |  |
| --                                                   | --    | --                    |       |       |               |                                             | -- | -- | --  | 9                                                           | --   | 2771 | 0    | -- | 10 | --          | --    | --    |  |                                                                                               |  |
| --                                                   | --    | --                    |       |       |               |                                             | -- | -- | --  | 11                                                          | --   | 2771 | 0    | -- | 12 | --          | --    | --    |  |                                                                                               |  |
| M                                                    | --    | EDH-C1 SKI PATROL LKR |       |       |               |                                             | 3  | 20 | 13  | 1773                                                        | 0    | --   | 14   | 20 | 3  | SPARE       | --    | --    |  |                                                                                               |  |
| --                                                   | --    | --                    |       |       |               |                                             | -- | -- | --  | 15                                                          | --   | 1773 | 0    | -- | 16 | --          | --    | --    |  |                                                                                               |  |
| --                                                   | --    | --                    |       |       |               |                                             | -- | -- | --  | 17                                                          | --   | 1773 | 0    | -- | 18 | --          | --    | --    |  |                                                                                               |  |
| M                                                    | --    | EDH-C2 SKI PATROL LKR |       |       |               |                                             | 3  | 20 | 19  | 1773                                                        | 0    | --   | 20   | 20 | 1  | SPARE       | --    | --    |  |                                                                                               |  |
| --                                                   | --    | --                    |       |       |               |                                             | -- | -- | --  | 21                                                          | --   | 1773 | 0    | -- | 22 | 20          | 1     | SPARE |  |                                                                                               |  |
| --                                                   | --    | --                    |       |       |               |                                             | -- | -- | --  | 23                                                          | --   | 1773 | 0    | -- | 24 | 20          | 1     | SPARE |  |                                                                                               |  |
| E                                                    | H     | EVH-1                 |       |       |               |                                             | 3  | 20 | 25  | 2661                                                        | 0    | --   | 26   | 20 | 1  | SPARE       | --    | --    |  |                                                                                               |  |
| --                                                   | --    | --                    |       |       |               |                                             | -- | -- | --  | 27                                                          | --   | 2661 | 0    | -- | 28 | 20          | 1     | SPARE |  |                                                                                               |  |
| --                                                   | --    | --                    |       |       |               |                                             | -- | -- | --  | 29                                                          | --   | --   | 2661 | 0  | 30 | 20          | 1     | SPARE |  |                                                                                               |  |
| --                                                   | --    | SPACE                 |       |       |               |                                             | 1  | -- | 31  | --                                                          | --   | --   | --   | 32 | -- | 1           | SPACE | --    |  |                                                                                               |  |
| --                                                   | --    | SPACE                 |       |       |               |                                             | 1  | -- | 33  | --                                                          | --   | --   | --   | 34 | -- | 1           | SPACE | --    |  |                                                                                               |  |
| --                                                   | --    | SPACE                 |       |       |               |                                             | 1  | -- | 35  | --                                                          | --   | --   | --   | 36 | -- | 1           | SPACE | --    |  |                                                                                               |  |
| --                                                   | --    | SPACE                 |       |       |               |                                             | 1  | -- | 37  | --                                                          | --   | --   | --   | 38 | -- | 1           | SPACE | --    |  |                                                                                               |  |
| --                                                   | --    | SPACE                 |       |       |               |                                             | 1  | -- | 39  | --                                                          | --   | --   | --   | 40 | -- | 1           | SPACE | --    |  |                                                                                               |  |
| --                                                   | --    | SPACE                 |       |       |               |                                             | 1  | -- | 41  | --                                                          | --   | --   | --   | 42 | -- | 1           | SPACE | --    |  |                                                                                               |  |
| PER PHASE VA WITH DOWNSTREAM LOADS                   |       |                       |       |       |               |                                             |    |    |     |                                                             |      |      |      |    |    |             |       |       |  |                                                                                               |  |
| PHASE                                                |       | A                     | B     | C     | TOTALS        | LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED |    |    |     |                                                             |      |      |      |    |    |             |       |       |  |                                                                                               |  |
| CALC                                                 | 12442 | 12442                 | 12442 | 37326 | LIGHTING      |                                             |    |    |     |                                                             |      |      |      |    |    |             |       |       |  |                                                                                               |  |
| CINCD                                                | 11749 | 11749                 | 11749 | 35248 | RECEPTACLE    |                                             |    |    |     |                                                             |      |      |      |    |    |             |       |       |  |                                                                                               |  |
|                                                      |       |                       |       |       | MOTOR         |                                             |    |    |     |                                                             |      |      |      |    |    |             |       |       |  |                                                                                               |  |
|                                                      |       |                       |       |       | MISCELLANEOUS |                                             |    |    |     |                                                             |      |      |      |    |    |             |       |       |  |                                                                                               |  |
|                                                      |       |                       |       |       | KITCHEN       |                                             |    |    |     |                                                             |      |      |      |    |    |             |       |       |  |                                                                                               |  |
|                                                      |       |                       |       |       | ELECTRIC HEAT |                                             |    |    |     |                                                             |      |      |      |    |    |             |       |       |  |                                                                                               |  |
|                                                      |       |                       |       |       | EV CHARGING   |                                             |    |    |     |                                                             |      |      |      |    |    |             |       |       |  |                                                                                               |  |
|                                                      |       |                       |       |       | EXISTING      |                                             |    |    |     |                                                             |      |      |      |    |    |             |       |       |  |                                                                                               |  |
|                                                      |       |                       |       |       | TOTAL         |                                             |    |    |     |                                                             |      |      |      |    |    |             |       |       |  |                                                                                               |  |
|                                                      |       |                       |       |       | 35248         |                                             |    |    |     |                                                             |      |      |      |    |    |             |       |       |  |                                                                                               |  |
|                                                      |       |                       |       |       | 37326         |                                             |    |    |     |                                                             |      |      |      |    |    |             |       |       |  |                                                                                               |  |
|                                                      |       |                       |       |       | 45            |                                             |    |    |     |                                                             |      |      |      |    |    |             |       |       |  |                                                                                               |  |

| △ Date       | Description                                                                                |
|--------------|--------------------------------------------------------------------------------------------|
| - 2021.05.21 | BP4D - GONDOLA SQUARE INTERIORS<br>BLDG. A, C AND F - ISSUE FOR PERMIT<br>AND CONSTRUCTION |

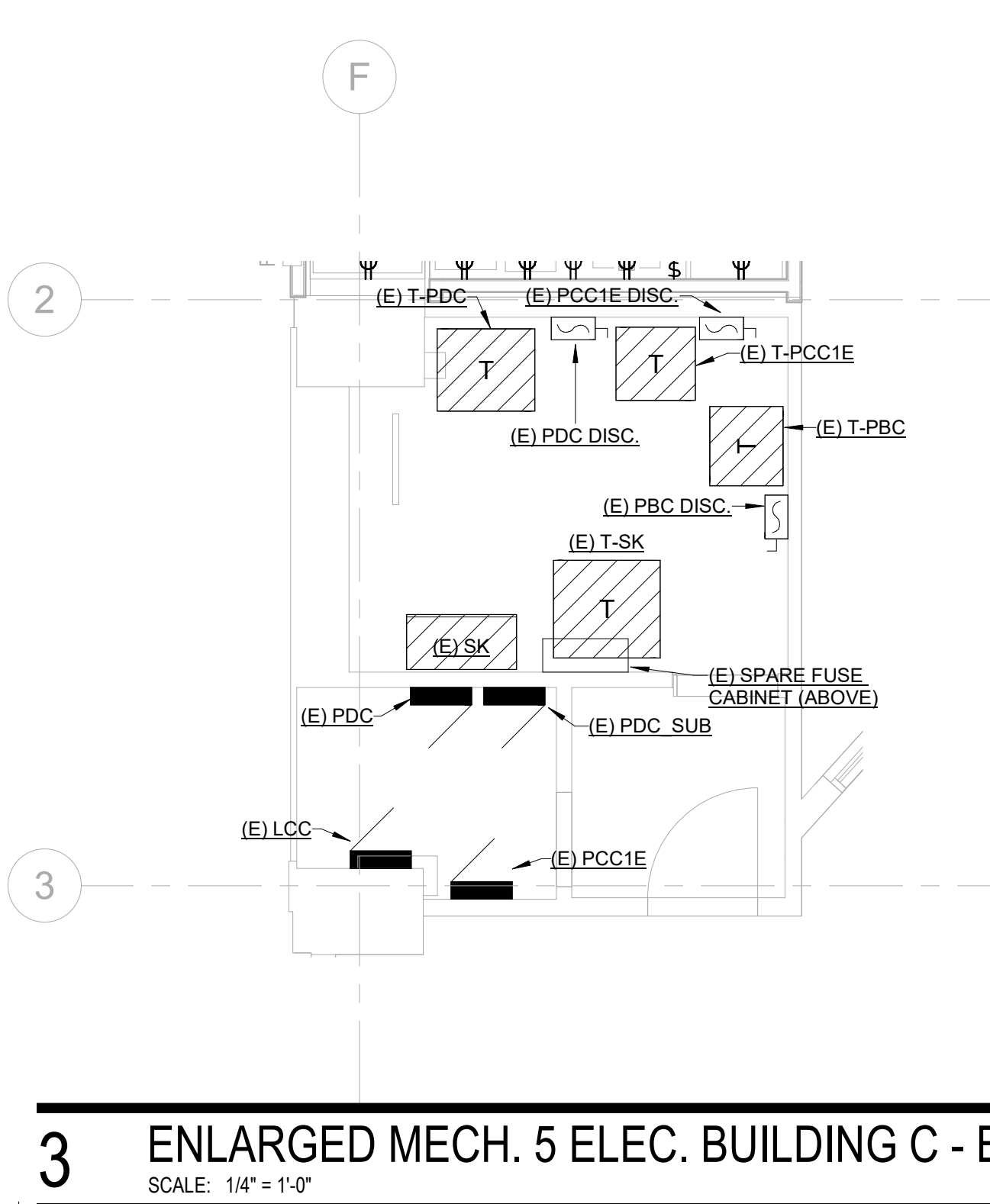
## E0.011



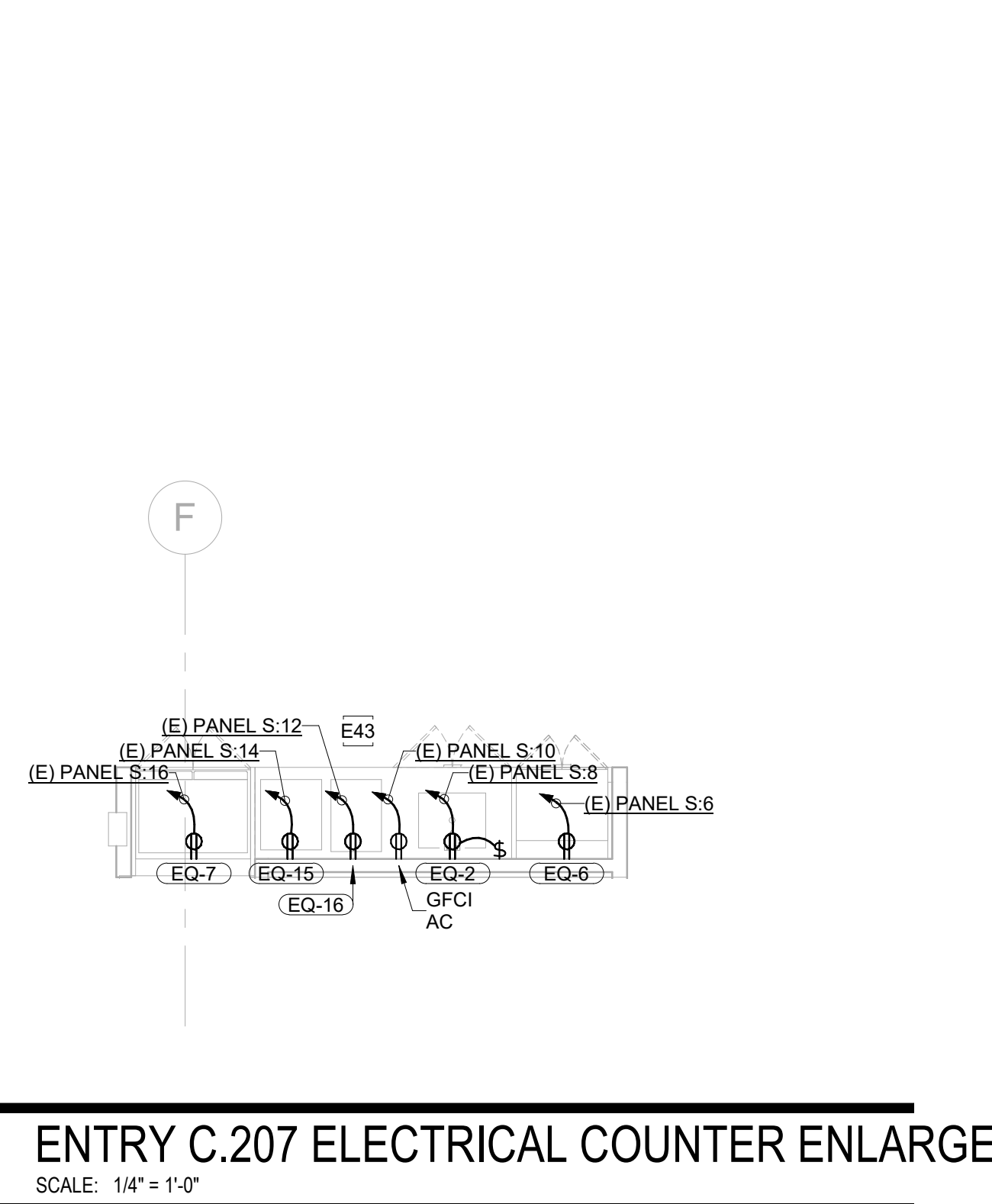
6 ELECTRICAL PLAN - CHRISTY'S LOWER LEVEL 01  
SCALE: 1/8" = 1'-0"



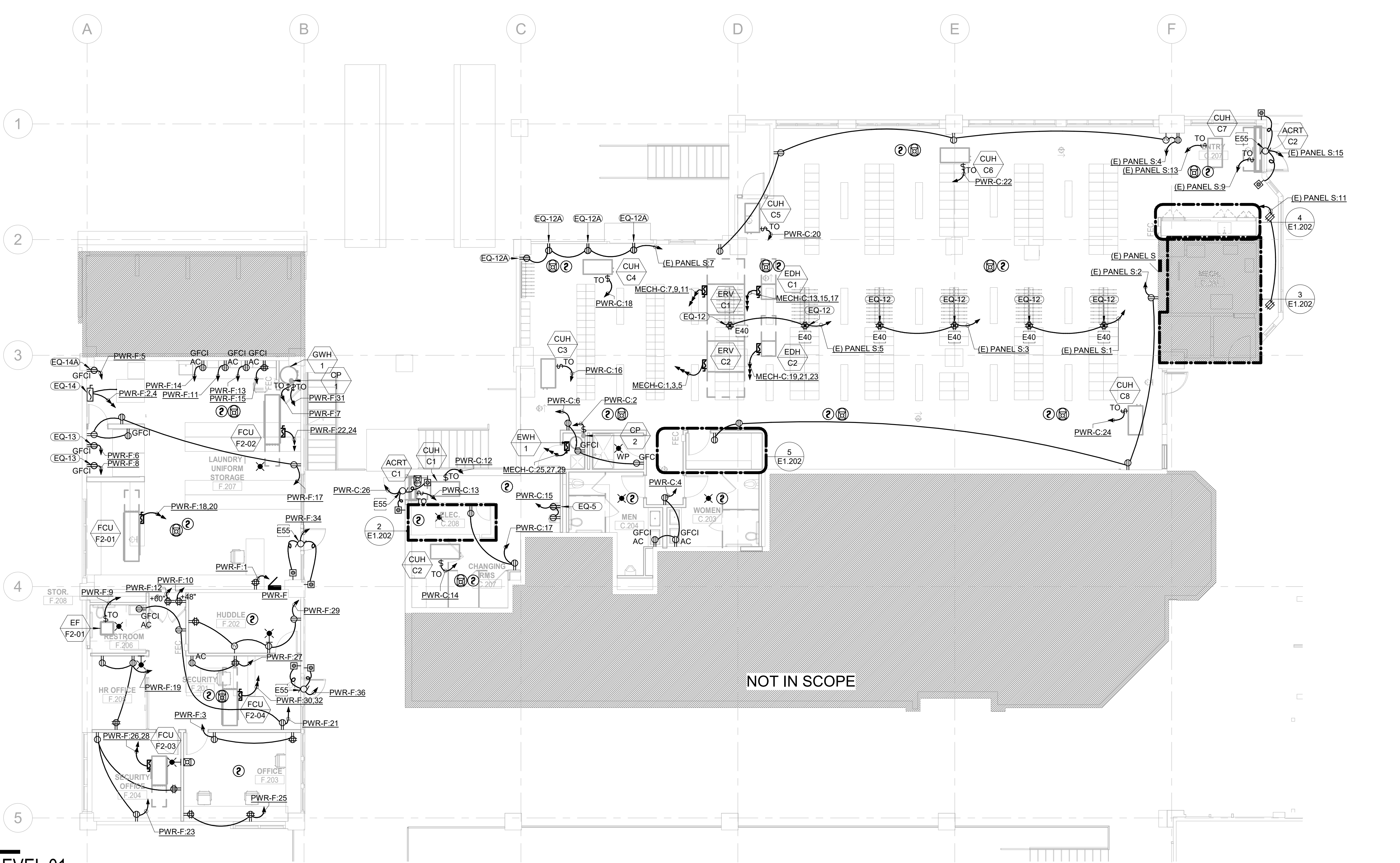
2 ENLARGED ELEC. BUILDING C - NEW  
SCALE: 1/4" = 1'-0"



3 ENLARGED MECH. 5 ELEC. BUILDING C - EXISTING  
SCALE: 1/4" = 1'-0"



4 ENTRY C.207 ELECTRICAL COUNTER ENLARGED PLAN  
SCALE: 1/4" = 1'-0"



1 ELECTRICAL PLAN - C & F BUILDING LEVEL 02  
SCALE: 1/8" = 1'-0"

| GENERAL NOTES:                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR.                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                              |
| 2. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING. |                                                                                                                                                              |
| 3. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE. ALL VERTICAL SECTIONS OF CONDUIT SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS.                                                                                                                                                                                                                       |                                                                                                                                                              |
| 4. THIS CONTRACTOR SHALL REFER TO "MEP" SERIES DRAWINGS FOR ALL MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS.                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                              |
| 5. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                              |
| KEYNOTES                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                              |
| E39                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PROVIDE SURFACE MOUNTED PLUG MOLD WITH DUPLEX RECEPTACLE 1'-0" O.C. CONFIRM MOUNTING HEIGHT WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.                      |
| E40                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PROVIDE 6" FLOOR BOX FOR BOOT DRIVERS. REFER TO DETAIL 13/E8.000 FOR ADDITIONAL DETAILS. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.              |
| E43                                                                                                                                                                                                                                                                                                                                                                                                                                                 | REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT EQUIPMENT CONNECTIONS SHALL BE LOCATED BEHIND EQUIPMENT FOR EASE OF CONNECTION.                                  |
| E55                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PROVIDE 20A, 120V CIRCUIT FOR MOTORIZED DOOR OPERATOR. COORDINATE WITH DOOR HARDWARE AND ARCHITECT. PROVIDE CONNECTION TO HANDICAP PUSH BUTTONS AS REQUIRED. |

**Steamboat.**  
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2305 Mount Werner Circle  
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Golden, CO 80202  
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Tel 303.421.6655

**MARTIN/MARTIN**  
ARCHITECTS  
12499 West Colfax Ave.  
Lakewood, CO 80215  
United States  
Tel 303.431.6100

| Date       | Description                                                                          |
|------------|--------------------------------------------------------------------------------------|
| 2021.05.21 | BPAD - GONDOLA SQUARE INTERIORS BLDG. A, C AND F - ISSUE FOR PERMIT AND CONSTRUCTION |

Seal / Signature



Project Name  
Steamboat Base Village  
Redevelopment  
Project Number  
003.7835.000  
Description  
ELECTRICAL PLAN - C & F BUILDING  
LEVEL 02

Scale  
As indicated

**E1.202**



| LEVEL 02 LIGHTING CONTROL SCHEDULE - STEAMBOAT BASE AREA - GONDOLA SQUARE BUILDINGS C & F                                                                                                                                                                                                                                                                                                                                                         |                         |              |     |    |    |    |             |       |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------|-----|----|----|----|-------------|-------|---------|
| THE FOLLOWING CHART OUTLINES AREAS OF ZONING FOR AMBIENT LIGHTING CONTROL SYSTEM.<br><br>LOW VOLTAGE OVERRIDE SWITCHES SHALL BE PROVIDED FOR EACH ZONE AS INDICATED ON PLANS.<br><br>THE BELOW CONTROLS ARE INDICATED FOR ENERGY COMPLIANCE USING IEC 2018 AS THE PRESCRIPTIVE PATH. REFER TO LIGHTING PLANS FOR ADDITIONAL CONTROL DEVICES. THIS MATRIX OUTLINES MINIMUM REQUIREMENT AND BUILDING OPERATION MAY GOVERN THE ADDITION OF CONTROLS. |                         |              |     |    |    |    | SCENES      |       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |              |     |    |    |    | MAINTENANCE | EVENT | WEEKDAY |
| SYMBOL                                                                                                                                                                                                                                                                                                                                                                                                                                            | SPACE TYPE DESCRIPTION  | CONTROL TYPE |     |    |    |    |             |       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         | DL           | DIM | OS | VS | TC | LS          |       |         |
| LEVEL 02 - BUILDING C & BUILDING F                                                                                                                                                                                                                                                                                                                                                                                                                |                         |              |     |    |    |    |             |       |         |
| 02.1                                                                                                                                                                                                                                                                                                                                                                                                                                              | RESTROOMS/SHOWER ROOMS  | -            | -   | X  | X  | X  | -           |       |         |
| 02.2                                                                                                                                                                                                                                                                                                                                                                                                                                              | MEP ROOMS               | -            | -   | -  | -  | -  | X           |       |         |
| 02.3                                                                                                                                                                                                                                                                                                                                                                                                                                              | STORAGE ROOMS/JANITOR   | -            | -   | -  | X  | -  | X           |       |         |
| 02.4                                                                                                                                                                                                                                                                                                                                                                                                                                              | LOCKERS/CHANGING ROOMS  | -            | -   | -  | X  | X  | X           |       |         |
| 02.5                                                                                                                                                                                                                                                                                                                                                                                                                                              | OFFICES/HUDDLE          | -            | X   | -  | X  | -  | X           |       |         |
| 02.6                                                                                                                                                                                                                                                                                                                                                                                                                                              | LAUNDRY/UNIFORM STORAGE | -            | -   | -  | X  | -  | X           |       |         |
| 02.7                                                                                                                                                                                                                                                                                                                                                                                                                                              | SECURITY OFFICE         | -            | -   | -  | -  | -  | X           |       |         |

GENERAL NOTES:

1. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT. ALL SURFACE MOUNTED CONDUIT WHERE EXPOSED TO PUBLIC AREAS SHALL BE PAINTED. PAINT COLOR TO BE DETERMINED BY THE ARCHITECT.

2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR AND CABLETRAY/IT CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN ROOMS.

4. ALL LIGHT FIXTURES CALLED OUT FOR DEMOLITION SHALL BE SALVAGED AND TURNED OVER TO THE OWNER FOR EVALUATION AND RETAINAGE. IF OWNER DOES NOT ELECT TO RETAIN LIGHT FIXTURES, CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL LIGHT FIXTURES (INCLUDING FLUORESCENT LIGHT FIXTURES).

5. PROVIDE 90 MINUTE BATTERY BACKUP FOR ALL EXIT SIGNS. CIRCUIT ALL EXIT SIGNS AS FOLLOWS:  
BUILDING A - PWR-A:98  
BUILDING C & F - PWR-C: PWR-C-19

KEYNOTES

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| K1 | PROVIDE INTEGRAL 90-MINUTE BATTERY PACK WITHIN LIGHT FIXTURE. BATTERY SHALL BE CIRCUITED TO THE LINE SIDE OF THE LINE VOLTAGE SWITCH CONTROLLING THE LIGHTS WITHIN THIS ROOM.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| K3 | PROVIDE SINGLE ZONE DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL WITHIN THIS SPACE. ROOM CONTROLLER SHALL HAVE ON/OFF RELAY CONTROL AND DIMMING FUNCTIONALITY. LOCATE ROOM CONTROLLER IN ACCESSIBLE LOCATION NOT VISIBLE TO THE OCCUPANT SPACE. LOCATE ABOVE THE DOOR ENTERING INTO THE SPACE WHERE POSSIBLE AND CEILINGS ALLOW. REFER TO LIGHT FIXTURE SCHEDULE FOR EXACT DIMMING TECHNOLOGY BEING USED ON A PER LIGHT FIXTURE BASIS. PROVIDE NETWORK CONNECTION FOR THIS ROOM CONTROLLER TO THE OVERALL NETWORKED LIGHTING CONTROL SYSTEM. REFER TO DETAIL XXE8.00X FOR MORE INFORMATION. |
| K4 | PROVIDE SINGLE ZONE DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL WITHIN THIS SPACE. ROOM CONTROLLER SHALL HAVE ON/OFF RELAY CONTROL ONLY. ROOM CONTROLLER SHALL BE MOUNTED INSIDE BUILDING OR WITHIN NEMA 3R ENCLOSURE ON SITE. REFER TO LIGHT FIXTURE SCHEDULE FOR EXACT CONNECTION REQUIREMENTS PER LIGHT FIXTURE TYPE. PROVIDE NETWORK CONNECTION FOR THIS ROOM CONTROLLER TO THE OVERALL NETWORKED LIGHTING CONTROL SYSTEM. REFER TO DETAIL XXE8.00X FOR MORE INFORMATION.                                                                                                              |



ALTRERRA east west partners  
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Steamboat Springs, CO 80487

Gensler

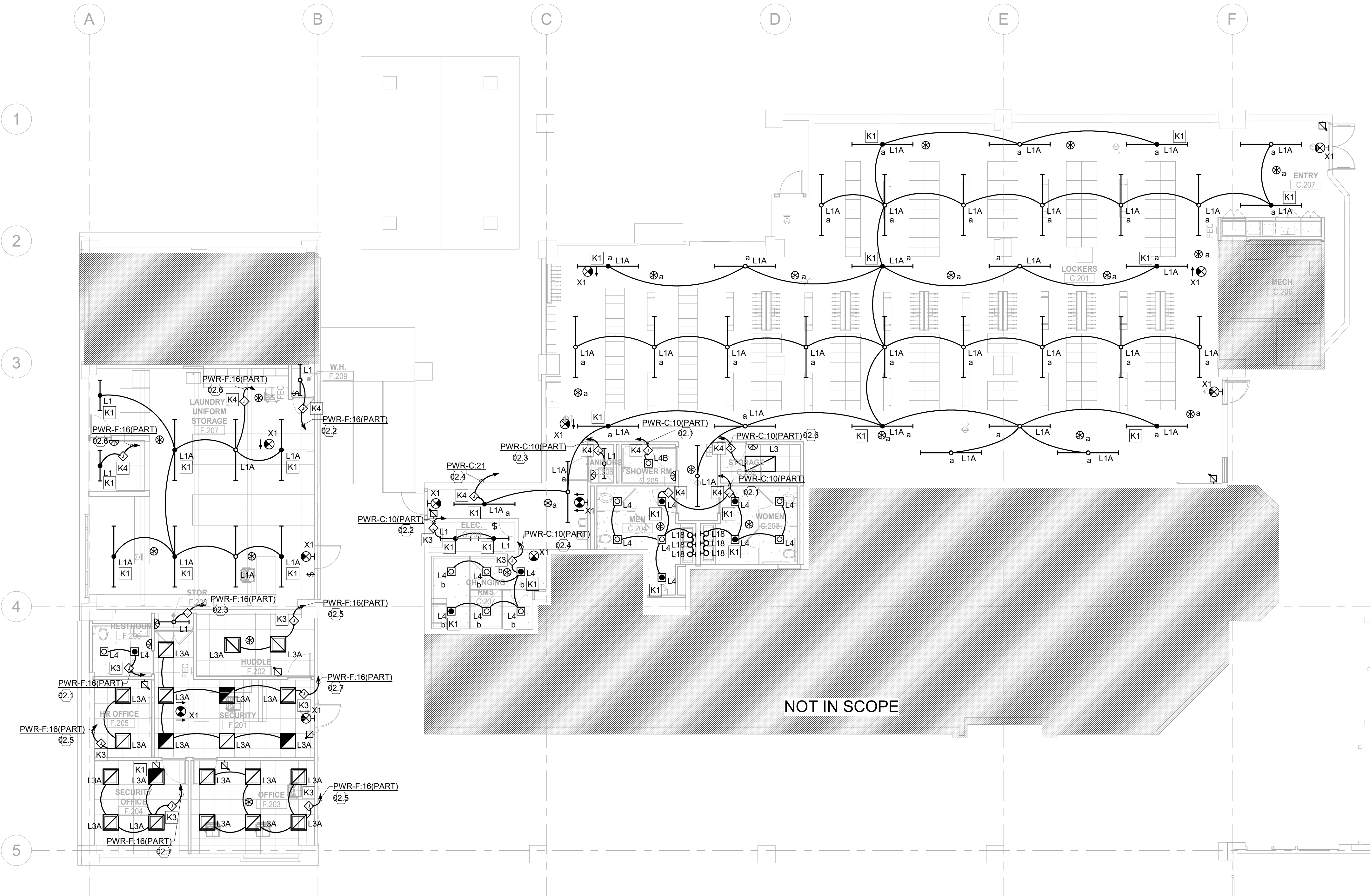
1225 17th Street  
Suite 150  
Denver, CO 80202  
United States

me  
engineers

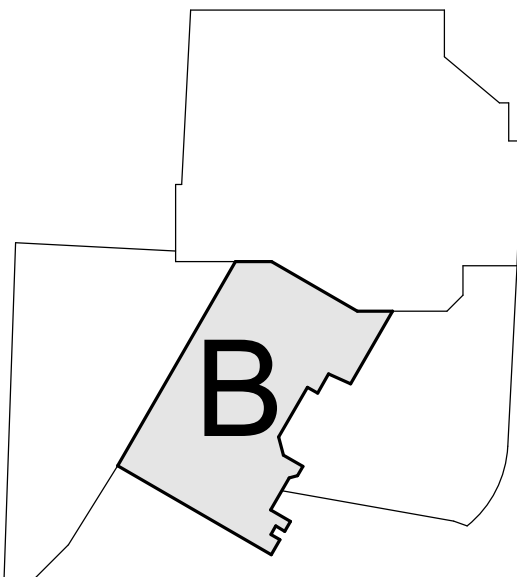
14143 Denver West Pkwy  
Suite 300  
Golden, CO  
United States  
Tel 303.421.6655

MARTIN/MARTIN  
CONSULTING ENGINEERS

12499 West Colfax Ave.  
Lakewood, CO 80215  
United States  
Tel 303.431.6100



KEY PLAN



Seal / Signature



Project Name

Steamboat Base Village  
Redevelopment

Project Number

003.7835.000

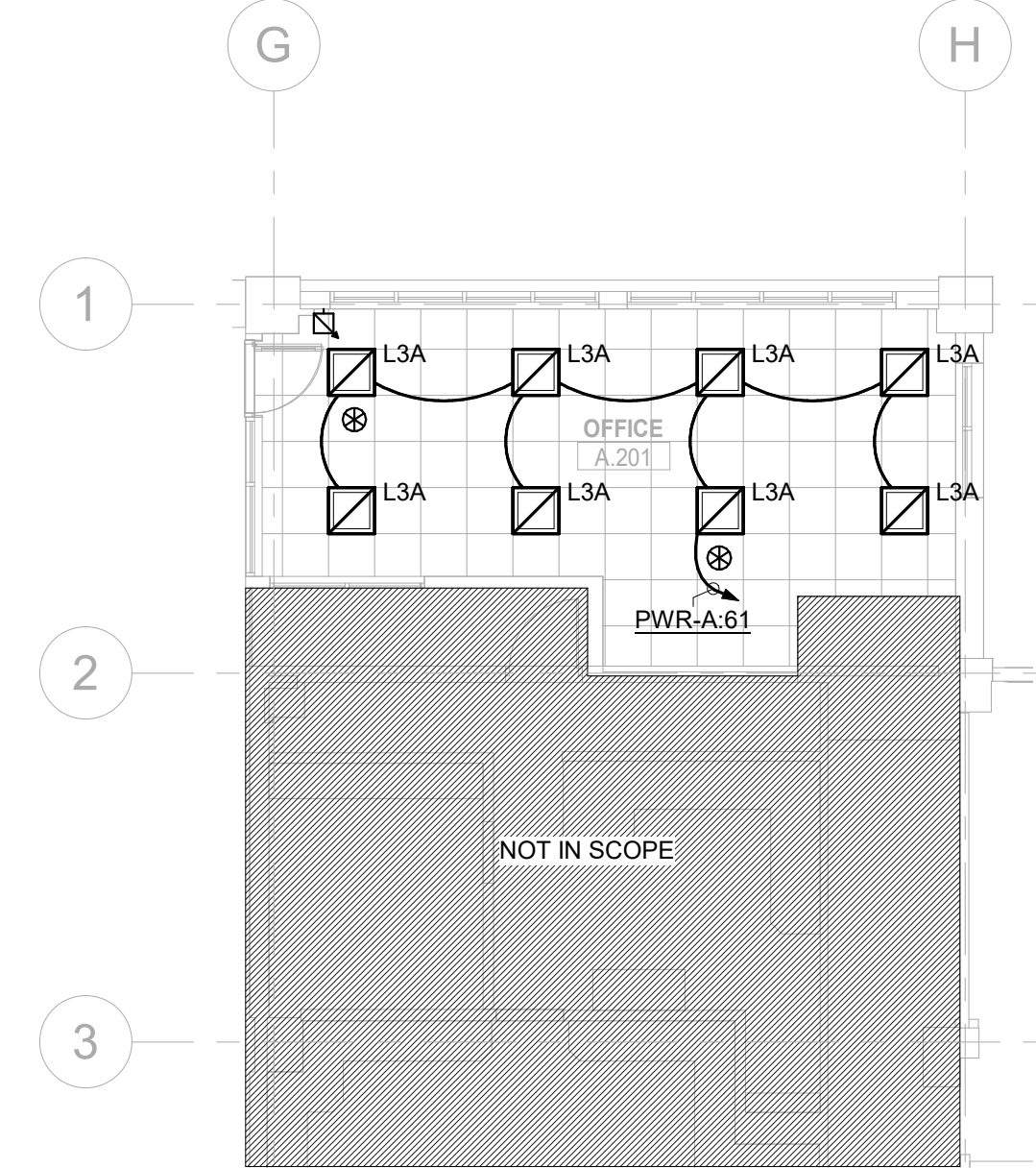
Description

LIGHTING PLAN - C & F BUILDING  
LEVEL 02

Scale

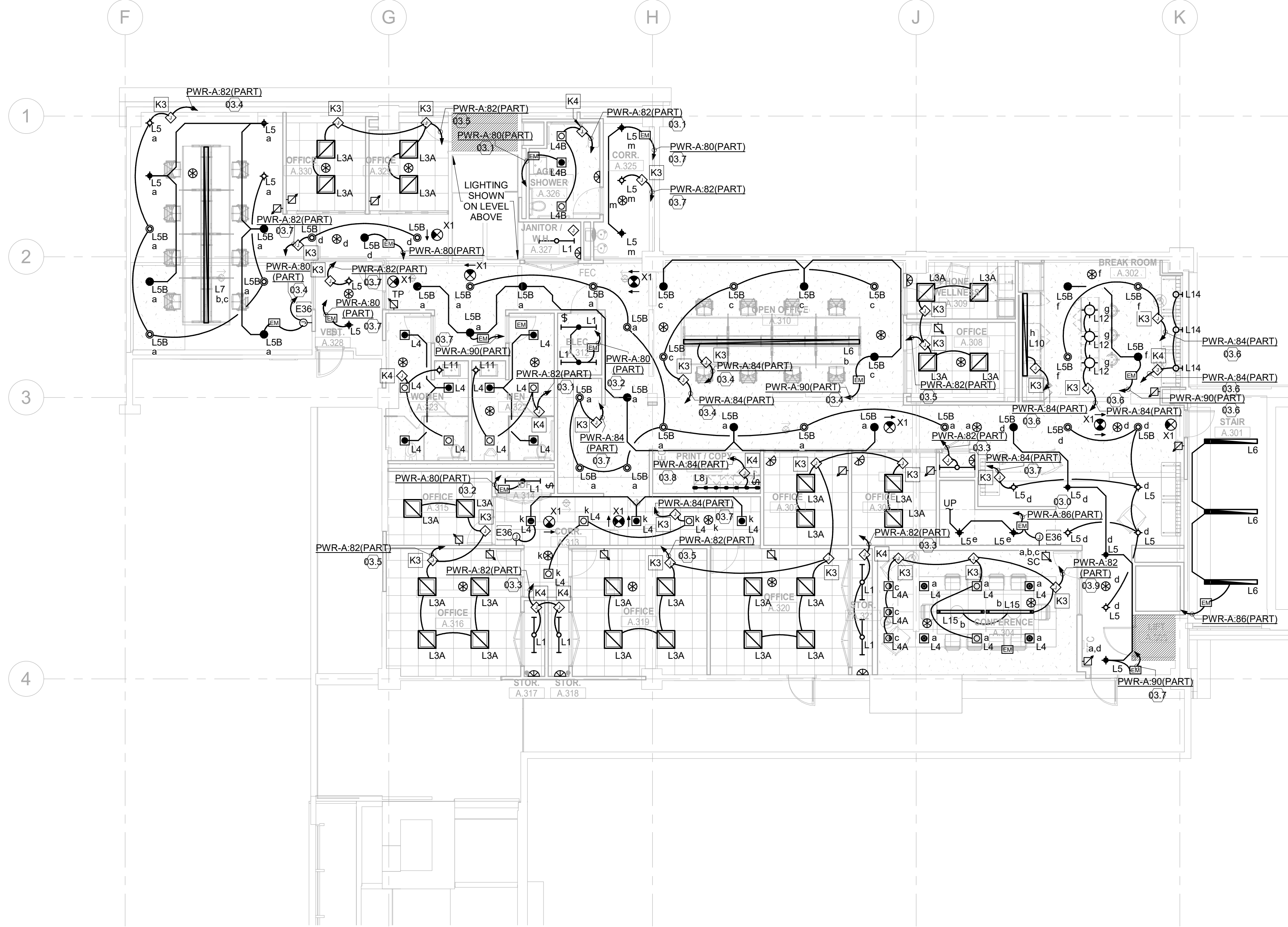
1/8" = 1'-0"

E1.302

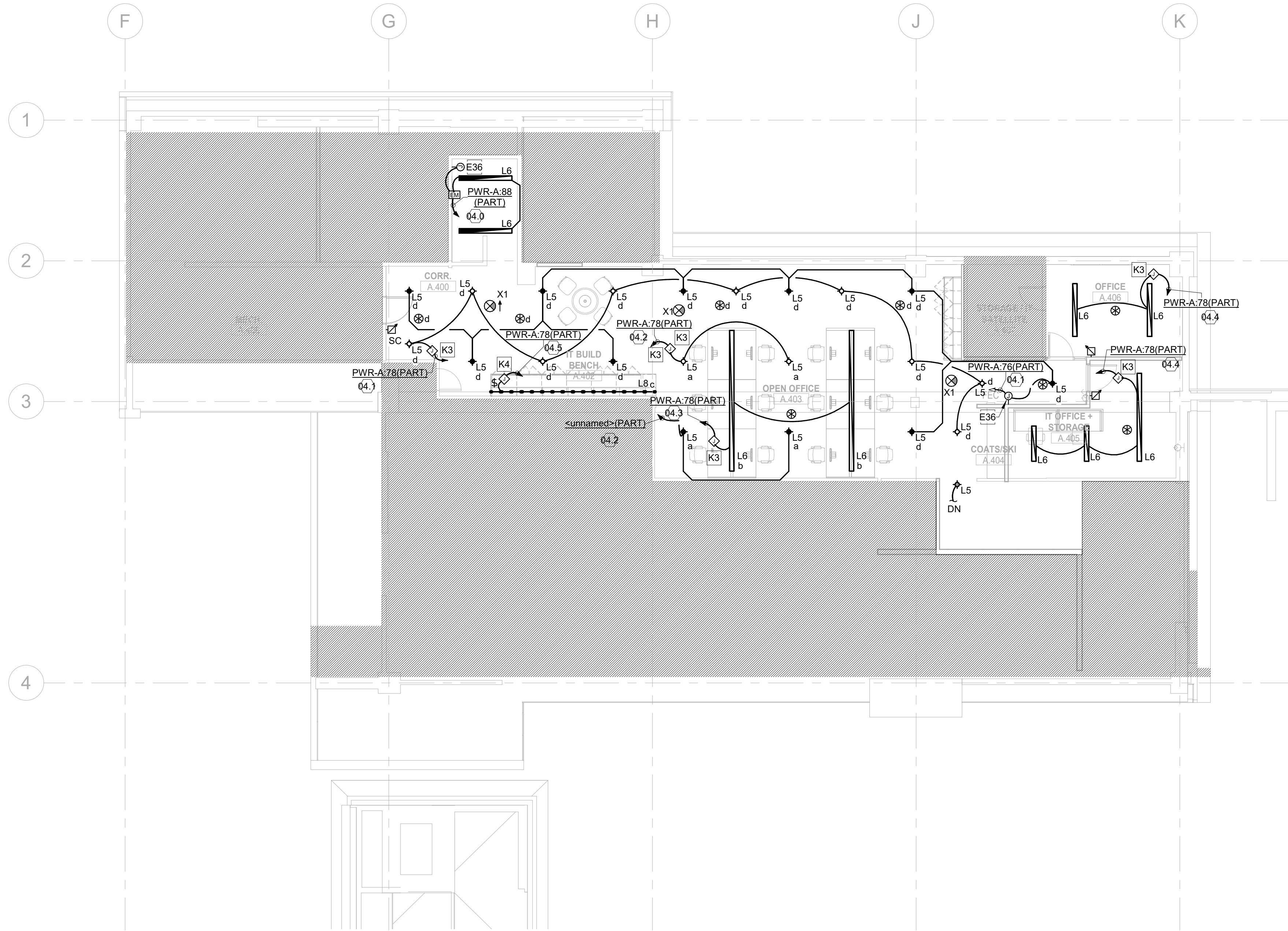


**3 LIGHTING PLAN - A BUILDING LEVEL 02**  
SCALE: 1/8" = 1'-0"

| LEVEL 03 LIGHTING CONTROL SCHEDULE - STEAMBOAT BASE AREA - GONOLA SQUARE - BUILDING A                                                                                                                                                                         |                                  |              |     |    |    |    |             |       |         |         |                 |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------|-----|----|----|----|-------------|-------|---------|---------|-----------------|-----------------|
| THE FOLLOWING CHART OUTLINES AREAS OF ZONING FOR AMBIENT LIGHTING CONTROL SYSTEM.                                                                                                                                                                             |                                  |              |     |    |    |    | SCENES      |       |         |         |                 |                 |
| LOW VOLTAGE OVERRIDE SWITCHES SHALL BE PROVIDED FOR EACH ZONE AS INDICATED ON PLANS.                                                                                                                                                                          |                                  |              |     |    |    |    | MAINTENANCE | EVENT | WEEKDAY | WEEKEND | USER DEFINED 01 | USER DEFINED 02 |
| THE BELOW CONTROLS ARE INDICATED FOR ENERGY COMPLIANCE USING IECC 2018 AS THE PRESCRIPTIVE PATH. REFER TO LIGHTING PLANS FOR ADDITIONAL CONTROL DEVICES. THIS MATRIX OUTLINES MINIMUM REQUIREMENT AND BUILDING OPERATION MAY GOVERN THE ADDITION OF CONTROLS. |                                  |              |     |    |    |    |             |       |         |         |                 |                 |
| SYMBOL                                                                                                                                                                                                                                                        | SPACE TYPE DESCRIPTION           | CONTROL TYPE |     |    |    |    |             |       |         |         |                 |                 |
|                                                                                                                                                                                                                                                               |                                  | DL           | DIM | OS | VS | TC |             |       |         |         |                 |                 |
| LEVEL 03 - BUILDING A                                                                                                                                                                                                                                         |                                  |              |     |    |    |    |             |       |         |         |                 |                 |
| 03.0                                                                                                                                                                                                                                                          | STAIRS                           | -            | -   | X  | -  | X  | -           |       |         |         |                 |                 |
| 03.1                                                                                                                                                                                                                                                          | RESTROOMS/SHOWER ROOMS           | -            | -   | X  | X  | X  | -           |       |         |         |                 |                 |
| 03.2                                                                                                                                                                                                                                                          | MEP ROOMS                        | -            | -   | -  | -  | -  | X           |       |         |         |                 |                 |
| 03.3                                                                                                                                                                                                                                                          | STORAGE ROOMS/JANITOR            | -            | -   | -  | X  | X  | -           |       |         |         |                 |                 |
| 03.4                                                                                                                                                                                                                                                          | OPEN OFFICE / PRINT/COPY         | -            | X   | -  | X  | X  | X           |       |         |         |                 |                 |
| 03.5                                                                                                                                                                                                                                                          | OFFICES/CONFERENCE               | -            | X   | -  | X  | -  | X           |       |         |         |                 |                 |
| 03.6                                                                                                                                                                                                                                                          | BREAK ROOM                       | -            | -   | -  | X  | -  | X           |       |         |         |                 |                 |
| 03.7                                                                                                                                                                                                                                                          | CORRIDOR / VESTIBULES            | -            | -   | X  | X  | X  | -           |       |         |         |                 |                 |
| 03.8                                                                                                                                                                                                                                                          | PRINT/COPY UNDERCABINET LIGHTING | -            | -   | -  | -  | -  | X           |       |         |         |                 |                 |
| 03.9                                                                                                                                                                                                                                                          | CONFERENCE                       | -            | X   | -  | X  | -  | X           |       |         |         |                 |                 |



**1 LIGHTING PLAN - A BUILDING LEVEL 03**  
SCALE: 1/8" = 1'-0"



**2 LIGHTING PLAN - A BUILDING LEVEL 04**  
SCALE: 1/8" = 1'-0"

| LEVEL 04 LIGHTING CONTROL SCHEDULE - STEAMBOAT BASE AREA - GONDOLA SQUARE BUILDING A                                                                                                                                                                                                                                                                                                                                                       |                               |  |    |     |    |              |             |       |         |         |                 |                 |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--|----|-----|----|--------------|-------------|-------|---------|---------|-----------------|-----------------|--|--|--|
| THE FOLLOWING CHART OUTLINES AREAS OF ZONING FOR AMBIENT LIGHTING CONTROL SYSTEM.<br>LOW VOLTAGE OVERRIDE SWITCHES SHALL BE PROVIDED FOR EACH ZONE AS INDICATED ON PLANS.<br>THE BELOW CONTROLS ARE INDICATED FOR ENERGY COMPLIANCE USING IECC 2018 AS THE PRESCRIPTIVE PATH. REFER TO LIGHTING PLANS FOR ADDITIONAL CONTROL DEVICES. THIS MATRIX OUTLINES MINIMUM REQUIREMENT AND BUILDING OPERATION MAY GOVERN THE ADDITION OF CONTROLS. |                               |  |    |     |    |              | SCENES      |       |         |         |                 |                 |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |  |    |     |    |              | MAINTENANCE | EVENT | WEEKDAY | WEEKEND | USER DEFINED 01 | USER DEFINED 02 |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |  |    |     |    |              |             |       |         |         |                 |                 |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |  |    |     |    |              |             |       |         |         |                 |                 |  |  |  |
| SYMBOL                                                                                                                                                                                                                                                                                                                                                                                                                                     | SPACE TYPE DESCRIPTION        |  |    |     |    | CONTROL TYPE |             |       |         |         |                 |                 |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |  | DL | DIM | OS | VS           | TC          | LS    |         |         |                 |                 |  |  |  |
| LEVEL 04 - BUILDING A                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |  |    |     |    |              |             |       |         |         |                 |                 |  |  |  |
| 04.0                                                                                                                                                                                                                                                                                                                                                                                                                                       | STAIRS                        |  |    |     |    | -            | -           | X     | -       | X       | -               |                 |  |  |  |
| 04.1                                                                                                                                                                                                                                                                                                                                                                                                                                       | CORRIDOR / VESTIBULES         |  |    |     |    | -            | X           | X     | X       | X       | -               |                 |  |  |  |
| 04.2                                                                                                                                                                                                                                                                                                                                                                                                                                       | OPEN OFFICE CYLINDERS         |  |    |     |    | -            | X           | -     | X       | -       | X               |                 |  |  |  |
| 04.3                                                                                                                                                                                                                                                                                                                                                                                                                                       | OPEN OFFICE SUSPENDED LINEARS |  |    |     |    | -            | X           | -     | X       | -       | X               |                 |  |  |  |
| 04.4                                                                                                                                                                                                                                                                                                                                                                                                                                       | OFFICES/CONFERENCE            |  |    |     |    | -            | X           | -     | X       | -       | X               |                 |  |  |  |
| 04.5                                                                                                                                                                                                                                                                                                                                                                                                                                       | UNDERCABINET LIGHTING         |  |    |     |    | -            | -           | -     | -       | -       | X               |                 |  |  |  |

#### GENERAL NOTES:

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5. PROVIDE 90 MINUTE BATTERY BACKUP FOR ALL EXIT SIGNS. CIRCUIT ALL EXIT SIGNS AS FOLLOWS:  
BUILDING A - PWR-A-98  
BUILDING C & F - PWR-C: PWR-C-19

#### KEYNOTES

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E36 | PROVIDE LIGHTING INVERTER TOTAL 115-550V OR APPROVED EQUAL FOR BRANCH CIRCUIT EMERGENCY LIGHTING. INVERTER SHALL BE MOUNTED IN ACCESSIBLE LOCATION EITHER ABOVE ACCESSIBLE CEILING OR IN ADJACENT BACK OF HOUSE SPACE HIGH ON WALL. REFER TO 101A-E8.003 FOR EXACT WIRING CONFIGURATION WITH LIGHTING CONTROL AND INVERTER SYSTEM.                                                                                                                                                                                                                                                              |
| K3  | PROVIDE SINGLE ZONE DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL WITHIN THIS SPACE. ROOM CONTROLLER SHALL HAVE ON/OFF RELAY CONTROL AND DIMMING FUNCTIONALITY. LOCATE ROOM CONTROLLER IN ACCESSIBLE LOCATION NOT VISIBLE TO THE OCCUPANT SPACE. LOCATE ABOVE THE DOOR ENTERING INTO THE SPACE WHERE POSSIBLE AND CEILINGS ALLOW. REFER TO LIGHT FIXTURE SCHEDULE FOR EXACT DIMMING TECHNOLOGY BEING USED ON A PER LIGHT FIXTURE BASIS. PROVIDE NETWORK CONNECTION FOR THIS ROOM CONTROLLER TO THE OVERALL NETWORKED LIGHTING CONTROL SYSTEM. REFER TO DETAIL XXE8.00X FOR MORE INFORMATION. |
| K4  | PROVIDE SINGLE ZONE DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL WITHIN THIS SPACE. ROOM CONTROLLER SHALL HAVE ON/OFF RELAY CONTROL ONLY. ROOM CONTROLLER SHALL BE MOUNTED INSIDE BUILDING OR WITHIN NEMA 3R ENCLOSURE ON SITE. REFER TO LIGHT FIXTURE SCHEDULE FOR EXACT CONNECTION REQUIREMENTS PER LIGHT FIXTURE TYPE. PROVIDE NETWORK CONNECTION FOR THIS ROOM CONTROLLER TO THE OVERALL NETWORKED LIGHTING CONTROL SYSTEM. REFER TO DETAIL XXE8.00X FOR MORE INFORMATION.                                                                                                              |

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Seal / Signature



Project Name

Steamboat Base Village  
Redevelopment

Project Number

003.7835.000

Description

LIGHTING PLAN - A BUILDING LEVEL  
02, 03, & 04

Scale

1/8" = 1'-0"

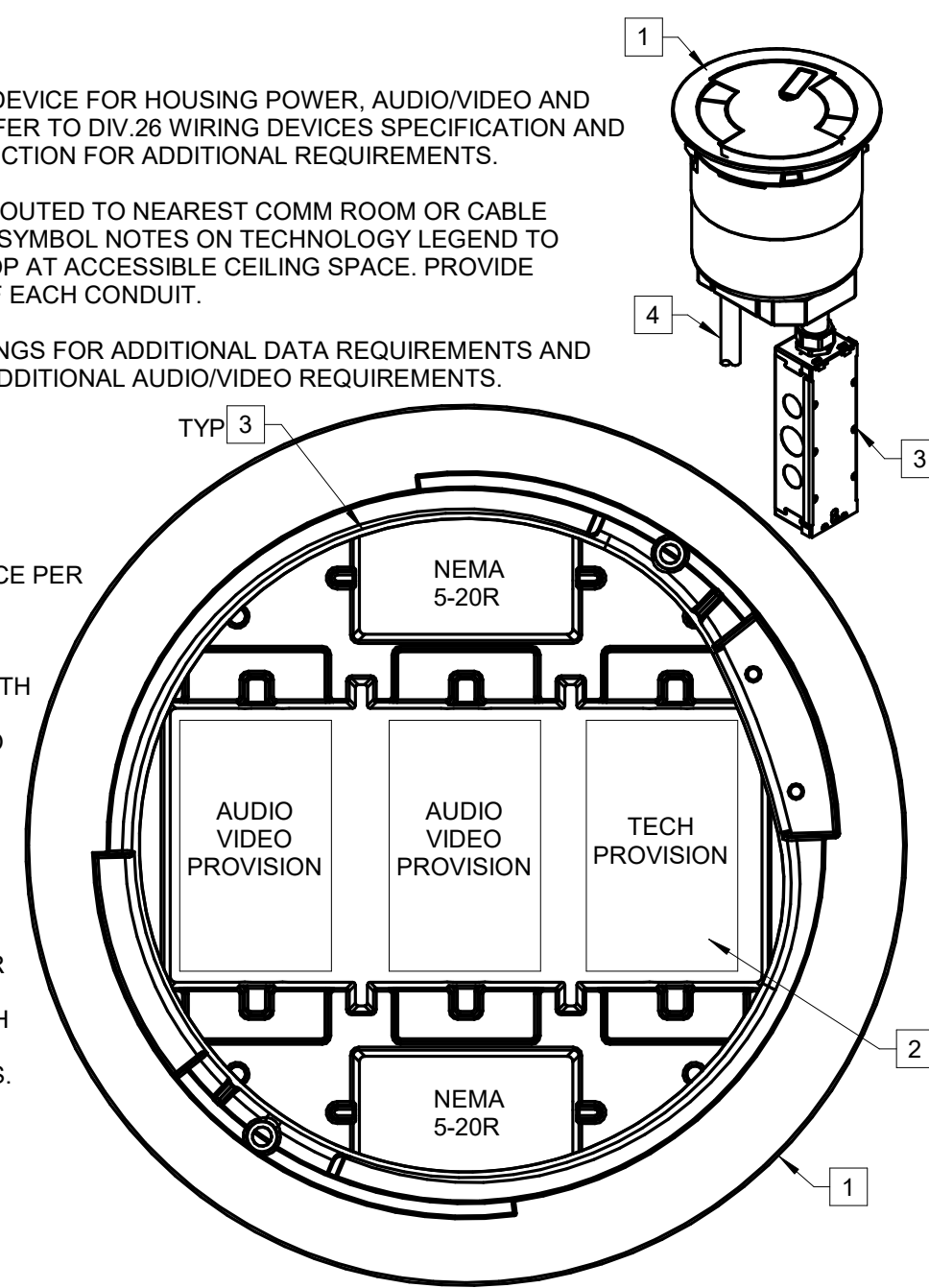
**E1.303**

GENERAL NOTES:

1. COMBINATION POKE-THROUGH DEVICE FOR HOUSING POWER, AUDIO/VIDEO AND COMMUNICATIONS DEVICES. REFER TO DIV.26 WIRING DEVICES SPECIFICATION AND SUBMITTED SHOP DRAWINGS FOR ADDITIONAL REQUIREMENTS.
2. ALL DATA CONDUITS SHALL BE ROUTED TO NEAREST COMM ROOM OR CABLE TRAY, U.N.O. REFER TO DEVICE SYMBOL NOTES ON TECHNOLOGY LEGEND TO CONFIRM IF CONDUIT SHALL STOP AT ACCESSIBLE CEILING SPACE. PROVIDE NYLON BUSHING ON THE END OF EACH CONDUIT.
3. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL DATA REQUIREMENTS AND AUDIO VISUAL DRAWINGS FOR ADDITIONAL AUDIO/VIDEO REQUIREMENTS.

KEYNOTES:

- 1 FLOOR BOX: PROVIDE POKE-THROUGH DEVICE PER DIV.26 WIRING DEVICES
- 2 MOUNTING PLATE: PROVIDE MOUNTING PLATES WITH STYLE-LINE (DECORA) FRAME OPENINGS FOR DATA AND AUDIO VIDEO AS DETAILED.
- 3 POWER: RECEPTACLES ANDCONDUIT SHOWN FOR REFERENCE.
- 4 LOW VOLTAGE CONDUIT: PROVIDE (1) 1-1/4" CONDUIT FOR DATA CABLE AND (1) 1-1/4" CONDUIT FOR AV CABLEING EACH WITH A PULL STRING AT APPLICABLE DEVICE LOCATIONS.



14 STANDARD POKE-THROUGH DEVICE 8-INCH  
NO SCALE

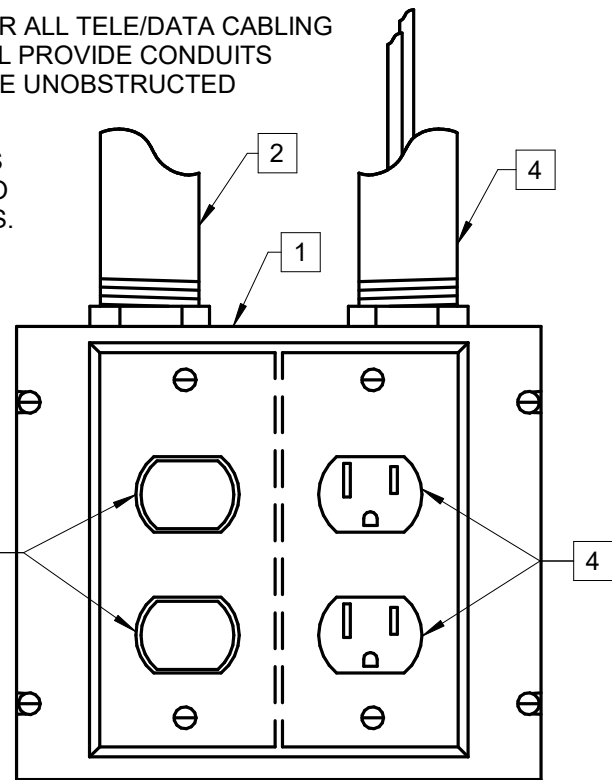
GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE DEDICATED J-HOOKS AT 48" ON CENTER FOR ALL TELE/DATA CABLEING NOT RUN IN CONDUIT OR CABLE TRAY. ADDITIONALLY, CONTRACTOR SHALL PROVIDE CONDUITS THROUGH WALLS AND ACROSS INACCESSIBLE CEILING SPACES TO ENSURE UNOBSTRUCTED PATHWAY BACK TO NEAREST COMM ROOM OR CABLE TRAY.
2. CONTRACTOR SHALL PROVIDE WEATHER PROOF COVER FOR ALL DEVICES WITH "WP" INDICATED AS PART OF SYMBOL ON PLAN DRAWINGS. REFER TO WEATHER PROOF DETAIL ON THIS SHEET FOR ADDITIONAL REQUIREMENTS.

KEYNOTES:

- 1 BACK-BOX: PROVIDE SHARED 4"x4"x2-1/8" FLUSH MOUNTED BOX FOR POWER AND LOW VOLTAGE.
- 2 CONDUIT: PROVIDE (1) 1" CONDUIT ROUTED TO NEAREST COMMUNICATIONS ROOM OR CABLE TRAY.
- 3 FACE PLATE: PROVIDE QUAD-OUTLET STYLE FACEPLATE WITH BLANK 106-STYLE MODULE TO FILL LOW VOLTAGE SIDE.
- 4 POWER: POWER RECEPTACLES AND CONDUIT SHOWN FOR REFERENCE ONLY

SYMBOLS = OR OR



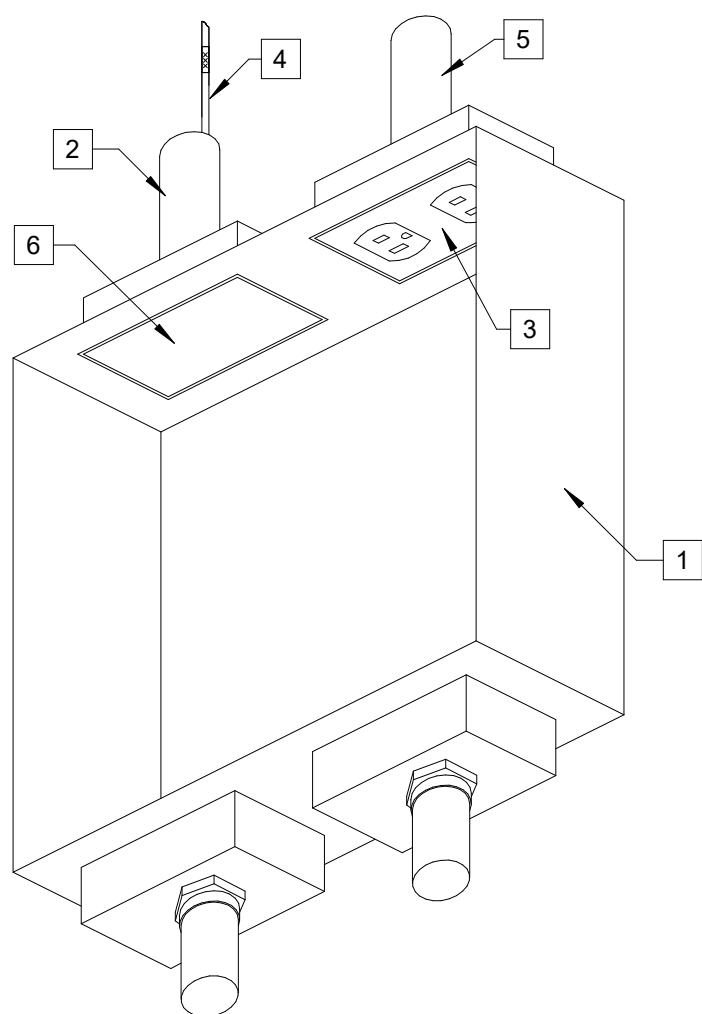
15 TV DEVICE BACK-BOX  
NO SCALE

GENERAL NOTES:

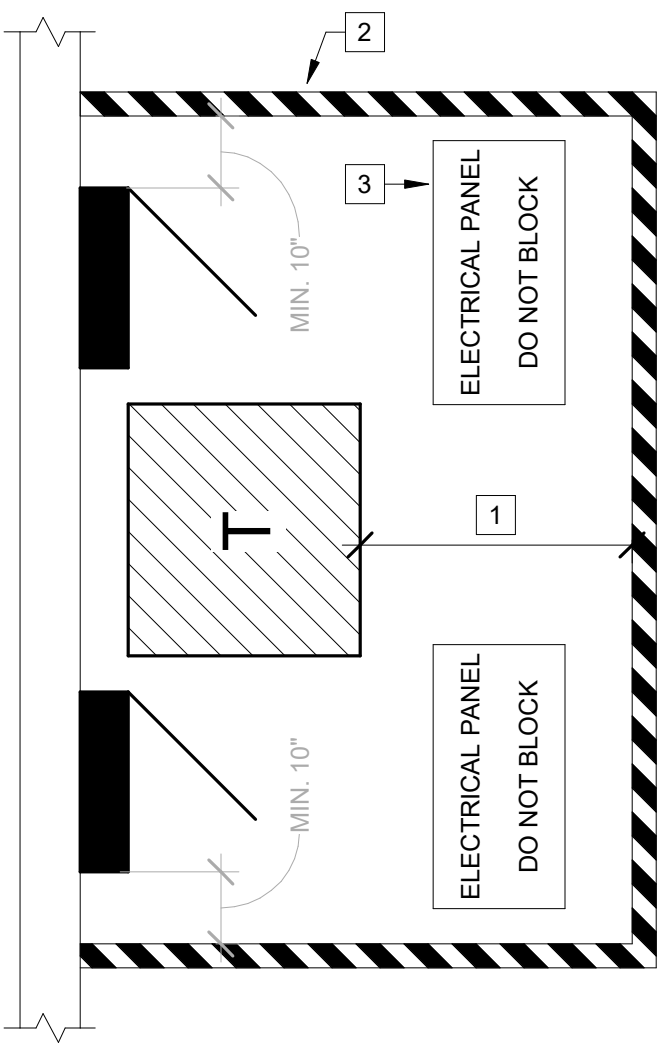
1. REFER TO AV AND TECHNOLOGY DRAWINGS FOR ADDITIONAL REQUIREMENTS RELATIVE TO TV / VIDEO MONITOR INFRASTRUCTURE.
2. REFER TO ARCHITECTURAL AND/OR AV DOCUMENTS FOR MOUNTING HEIGHTS AND/OR SPECIAL CONDITIONS.

KEYNOTES:

- 1 BACK-BOX: PROVIDE LARGE FLAT PANEL BACK-BOX AT SELECT LOCATIONS AS INDICATED IN AV DOCUMENTS. PROVIDE STANDARD 4 X 4 BACK-BOX FOR ALL OTHER TV /VIDEO MONITOR LOCATIONS.
- 2 TECH CONDUIT: SHOWN FOR REFERENCE ONLY REFER TO TECHNOLOGY AND AV PLANS.
- 3 POWER: PROVIDE (1) 120V, 20A DUPLEX RECEPTACLE.
- 4 DATA CABLE: SHOWN FOR REFERENCE ONLY. REFER TO TECHNOLOGY AND AV PLANS.
- 5 POWER CONDUIT: PROVIDE MINIMUM 3/4" CONDUIT ROUTED TO PANEL THAT TV IS CIRCLED TO.
- 6 DATA DEVICE: SHOWN FOR REFERENCE ONLY REFER TO TECHNOLOGY AND AV PLANS.



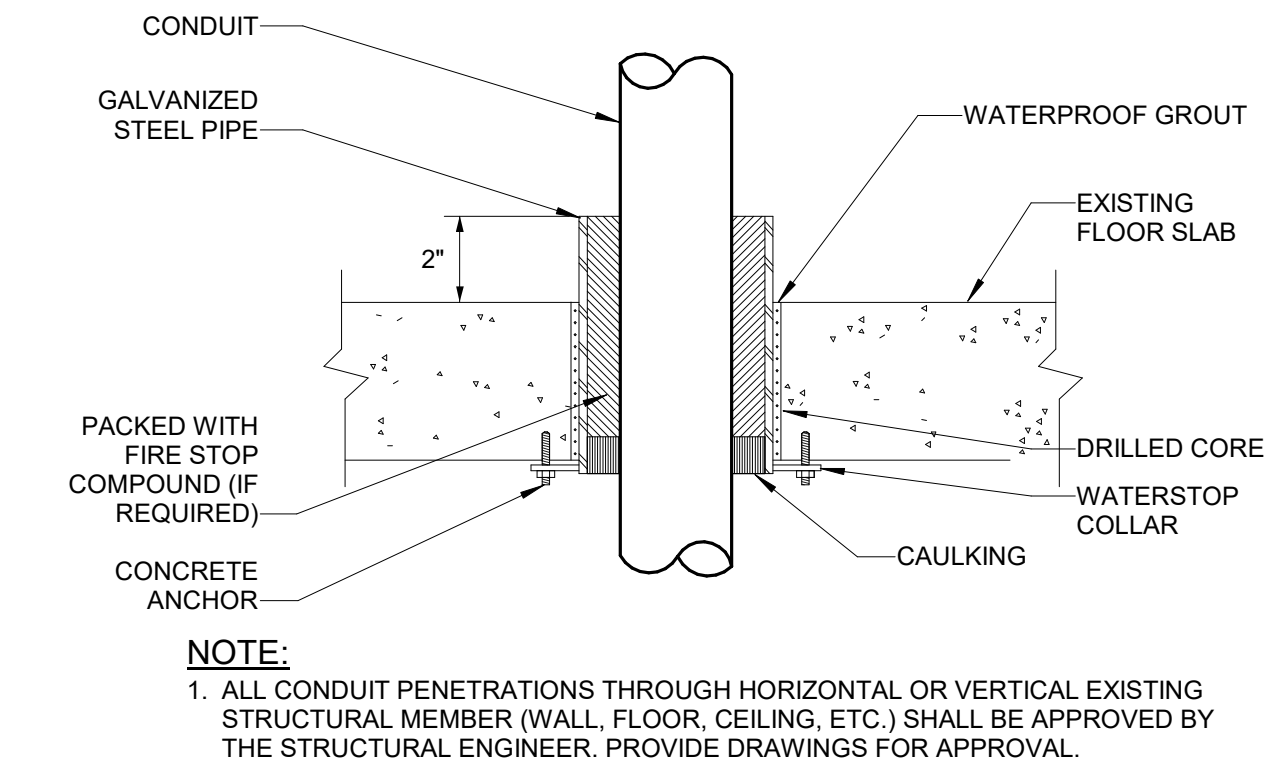
16 TV RECESSED BOX DETAIL  
NO SCALE



KEYNOTES:

- 1 REFER TO NEC TABLE 110.26(A)(1) AND OSHA TABLE S-1, FOR WORKING CLEARANCE DISTANCE REQUIREMENTS. MINIMUM 30" FROM DEADFRONT FACE OF ELECTRICAL EQUIPMENT.
- 2 3" STRIPED, BLACK AND YELLOW FLOOR MARKING HAZARD TAPE. 3M MODEL 5702 OR APPROVED EQUIVALENT.
- 3 PERMANENT, WATER RESISTANT "ELECTRICAL PANEL DO NOT BLOCK" VINYL FLOOR LABEL WITH NFPA 170 PANEL SYMBOL. QUANTITY AND SPACING TO BE DETERMINED BY EOR.

17 ELECTRICAL EQUIPMENT CLEARANCE MARKINGS  
NO SCALE



NOTE:  
1. ALL CONDUIT PENETRATIONS THROUGH HORIZONTAL OR VERTICAL EXISTING STRUCTURAL MEMBER (WALL, FLOOR, CEILING, ETC.) SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. PROVIDE DRAWINGS FOR APPROVAL.

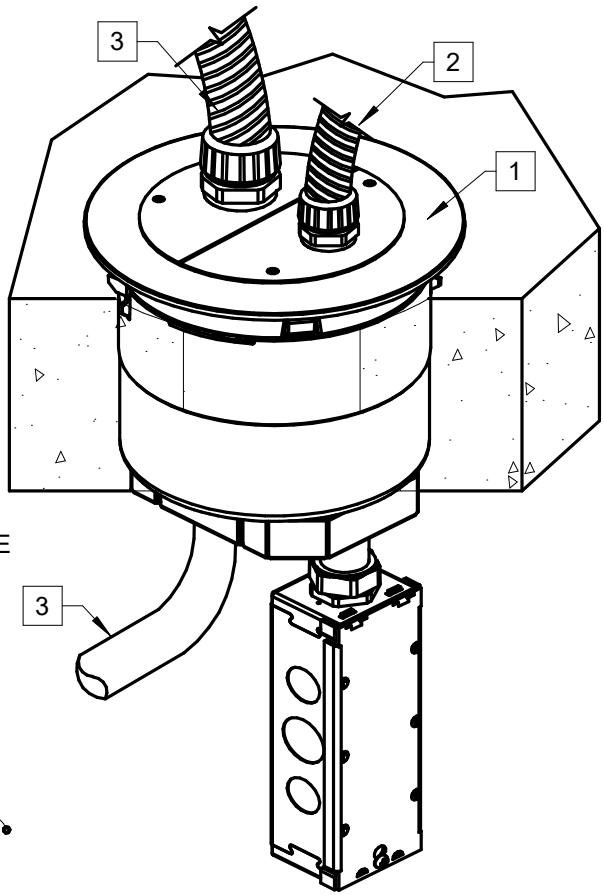
10 CONDUIT PENETRATION (CORE DRILLED)  
NO SCALE

GENERAL NOTES:

1. COMBINATION POKE-THROUGH DEVICE FOR ROUTING POWER AND COMMUNICATIONS CABLES TO MODULAR FURNITURE. REFER TO DIV.26 WIRING DEVICES SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS.
2. ALL DATA CONDUITS SHALL BE ROUTED TO NEAREST COMM ROOM OR CABLE TRAY, U.N.O. REFER TO DEVICE SYMBOL NOTES ON TECHNOLOGY LEGEND TO CONFIRM IF CONDUIT SHALL STOP AT ACCESSIBLE CEILING SPACE.

KEYNOTES:

- 1 FLOOR-BOX: PROVIDE POKE-THROUGH DEVICE WITH SYSTEM DIVIDER, PER DIV.26 WIRING DEVICES SPECIFICATION.
- 2 POWER CONDUIT: PROVIDE (1) 3/4" POWER CONDUIT AND FLEXIBLE WHIP CONNECTING TO MODULAR FURNITURE.
- 3 DATA CONDUIT: PROVIDE (1) 1-1/4" CONDUIT TO DEVICE FOR LOW VOLTAGE CABLE. WHERE APPLICABLE PROVIDE 2-INCH FLEXIBLE CONDUIT WHIP EXTENDED FROM COVER PLATE TO MODULAR FURNITURE.

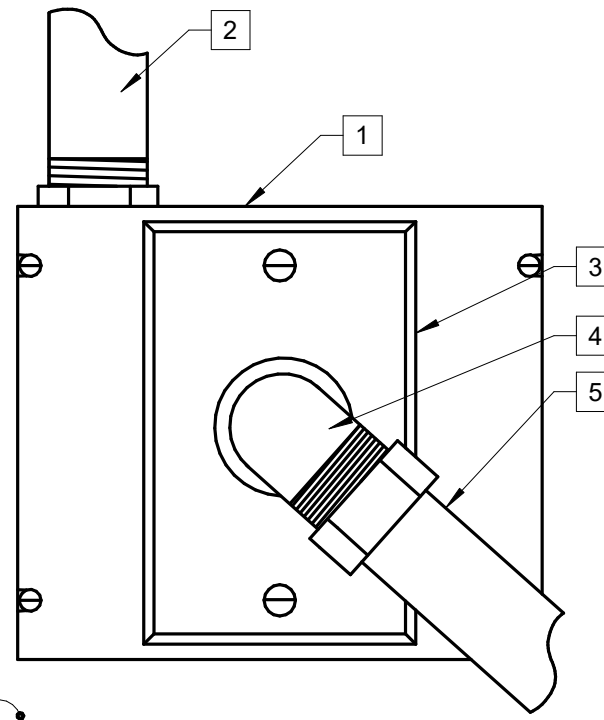


SYMBOLS =

11 FURNITURE FEED POKE-THROUGH DEVICE  
NO SCALE

KEYNOTES:

- 1 BACK-BOX: PROVIDE 4"x4"x2-1/8" FLUSH MOUNTED BOX WITH SINGLE GANG COVER PLATE.
- 2 CONDUIT: PROVIDE POWER CONDUIT PER PLAN DRAWINGS.
- 3 FACE PLATE: STAINLESS STEEL COVER PLATE WITH CENTER MOUNTED GROMMET OPENING.
- 4 CONDUIT FITTING: PROVIDE (1) 90-DEGREE CONDUIT FITTING FOR FURNITURE CONNECTOR.
- 5 POWER: CONNECT FURNITURE SYSTEM POWER WHIP FROM POKE THRU TO MODULAR FURNITURE SYSTEM.



SYMBOLS =

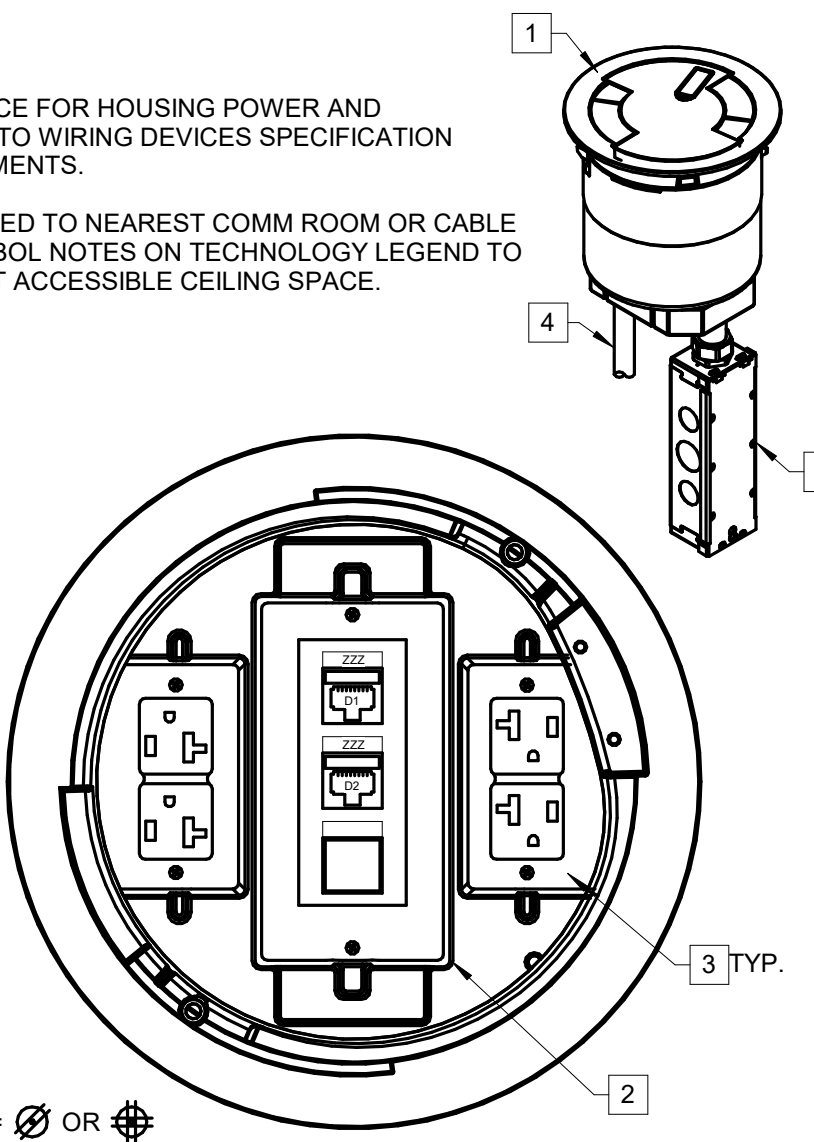
12 WALL MOUNTED FURNITURE FEED (POWER ONLY)  
NO SCALE

GENERAL NOTES:

1. COMBINATION POKE-THROUGH DEVICE FOR HOUSING POWER AND COMMUNICATIONS DEVICES. REFER TO WIRING DEVICES SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS.
2. ALL DATA CONDUITS SHALL BE ROUTED TO NEAREST COMM ROOM OR CABLE TRAY, U.N.O. REFER TO DEVICE SYMBOL NOTES ON TECHNOLOGY LEGEND TO CONFIRM IF CONDUIT SHALL STOP AT ACCESSIBLE CEILING SPACE.

KEYNOTES:

- 1 FLOOR BOX: PROVIDE POKE-THROUGH DEVICE PER DIV.26 WIRING DEVICES SPECIFICATION.
- 2 MOUNTING PLATE: PROVIDE MOUNTING PLATE WITH STYLE-LINE (DECORA) FRAME OPENING IN CENTER FOR LOW VOLTAGE CONNECTORS. PROVIDE BLANK DECORA COVER FOR POWER. ONLY FLOOR BOXES.
- 3 POWER: RECEPTACLES AND CONDUIT/HOUSING SHOWN FOR REFERENCE.
- 4 DATA CONDUIT: PROVIDE (1) 1-1/4" CONDUIT FOR LOW VOLTAGE CABLEING AT EACH APPLICABLE POKE-THROUGH DEVICE.

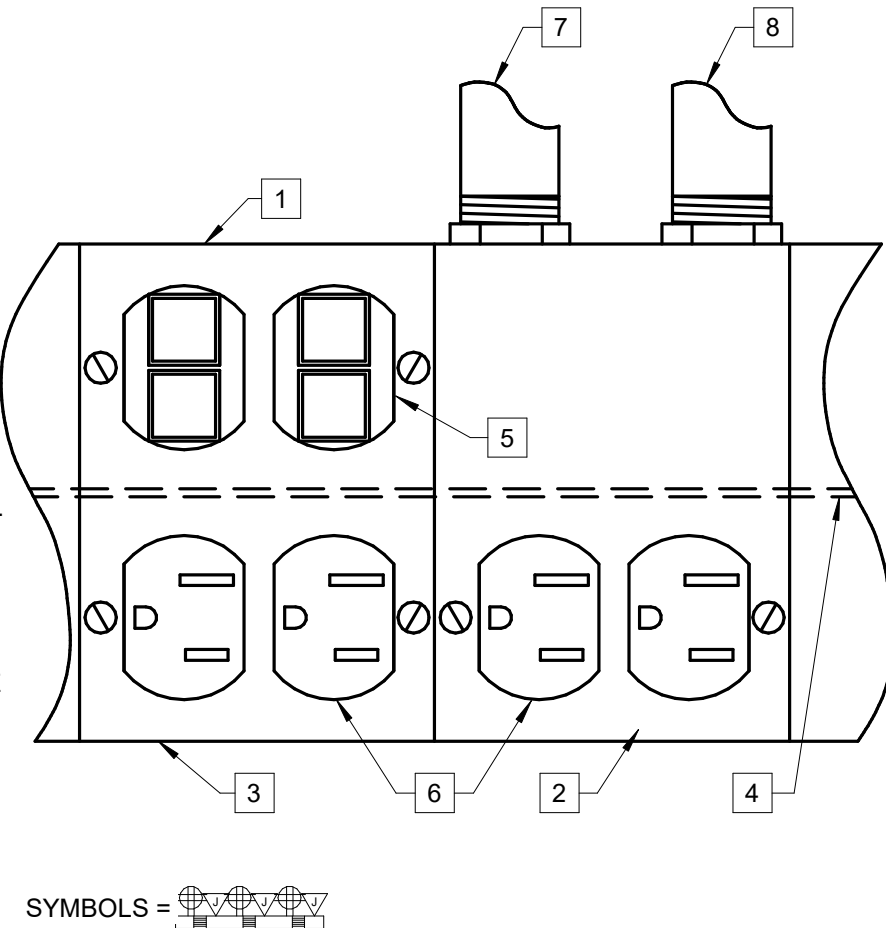


SYMBOLS =

13 STANDARD POKE-THROUGH DEVICE  
NO SCALE

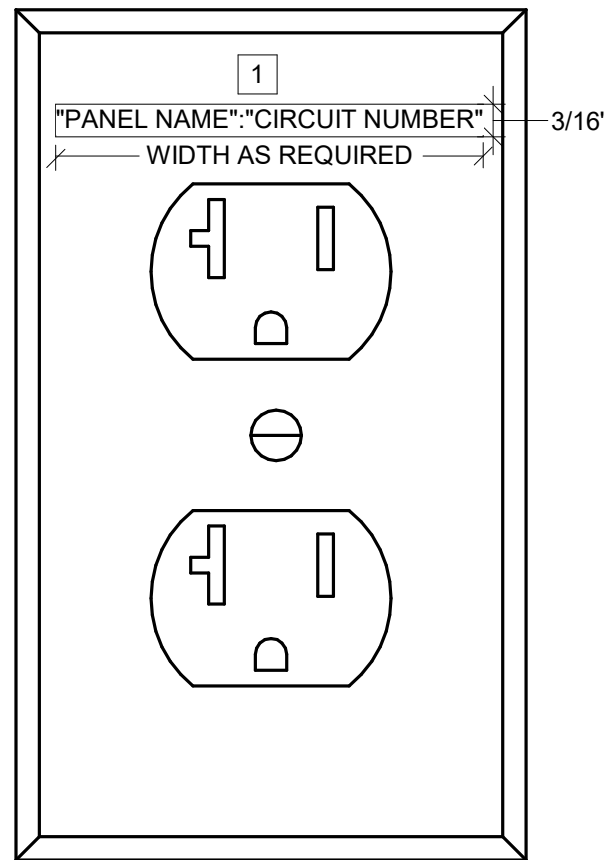
KEYNOTES:

- 1 RACEWAY: PROVIDE 1-1/4" x 4-1/4" GALVANIZED STEEL SURFACE MOUNTED RACEWAY COMPLETE WITH COVER. VERIFY COLOR WITH ARCHITECT.
- 2 SINGLE-GANG COVER: PROVIDE METALLIC SINGLE GANG DUPLEX RECEPTACLE COVER PLATE. VERIFY COLOR WITH ARCHITECT.
- 3 DUAL-GANG COVER: PROVIDE METALLIC DOUBLE GANG DUPLEX RECEPTACLE COVER PLATE. VERIFY COLOR WITH ARCHITECT.
- 4 DIVIDER: PROVIDE STEEL COMPARTMENT DIVIDER.
- 5 TRIM PLATE: PROVIDE BLANK 106-STYLE MODULE TO FILL LOW VOLTAGE SIDE.
- 6 POWER: ELECTRICAL CABLE AND DEVICES SHOWN FOR REFERENCE ONLY.
- 7 LOW-VOLTAGE CONDUIT AND BACK-BOX: FOR EVERY (5) DEVICE POSITIONS, PROVIDE (1) 6"x8"x2-1/2" BACK-BOX WITH (1) 1-1/2 INCH CONDUIT MOUNTED FLUSH IN WALL DIRECTLY BEHIND SURFACE MOUNTED RACEWAY (BELOW COUNTER). CONDUIT SHALL BE ROUTED TO NEAREST CABLE TRAY OR COMM ROOM FOR COMMUNICATIONS DISTRIBUTION TO SURFACE MOUNTED RACEWAY.
- 8 POWER CONDUIT AND BACK-BOX: PROVIDE BACK-BOX WITH CONDUIT MOUNTED FLUSH IN WALL DIRECTLY BEHIND SURFACE MOUNTED RACEWAY FOR ALL POWER HOME RUNS (CONDUIT SIZE PER PLAN DRAWINGS).



SYMBOLS =

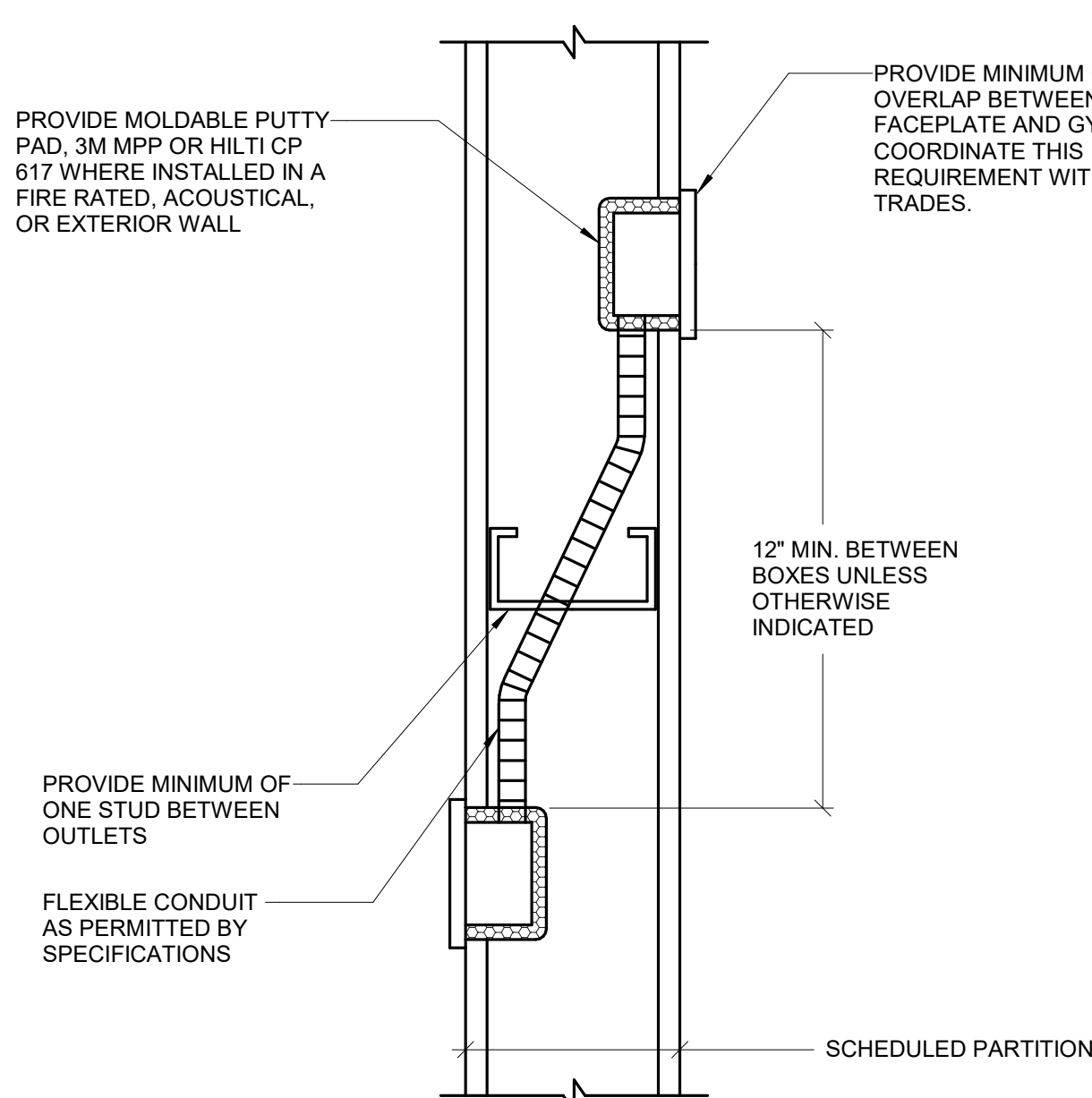
6 SURFACE RACEWAY POWER/COMMUNICATIONS DEVICE  
NO SCALE



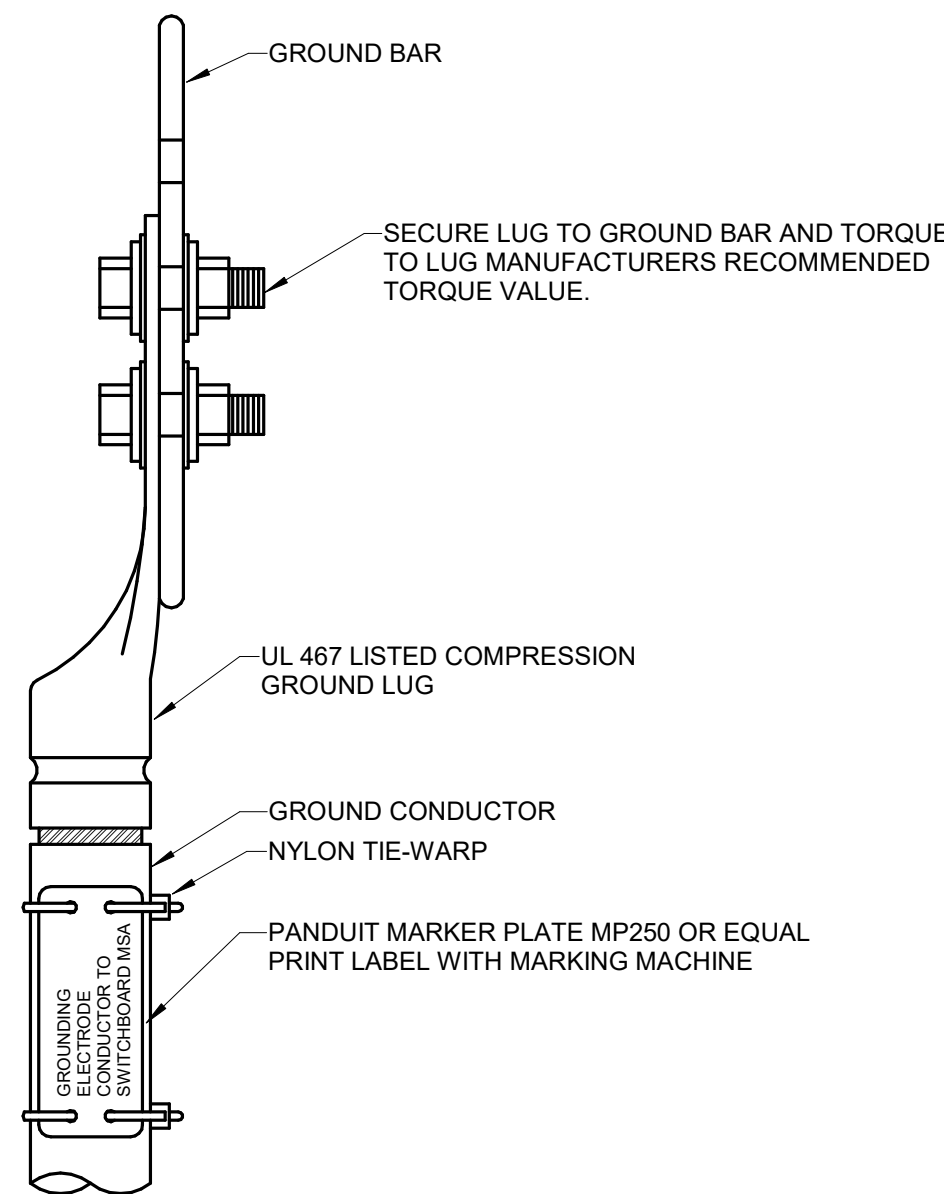
KEYNOTES:

- 1 PROVIDE BLACK LETTERING ON CLEAR LABEL FOR NORMAL CIRCUITS AND RED LETTERING ON CLEAR LABEL FOR EMERGENCY/STANDBY CIRCUITS.

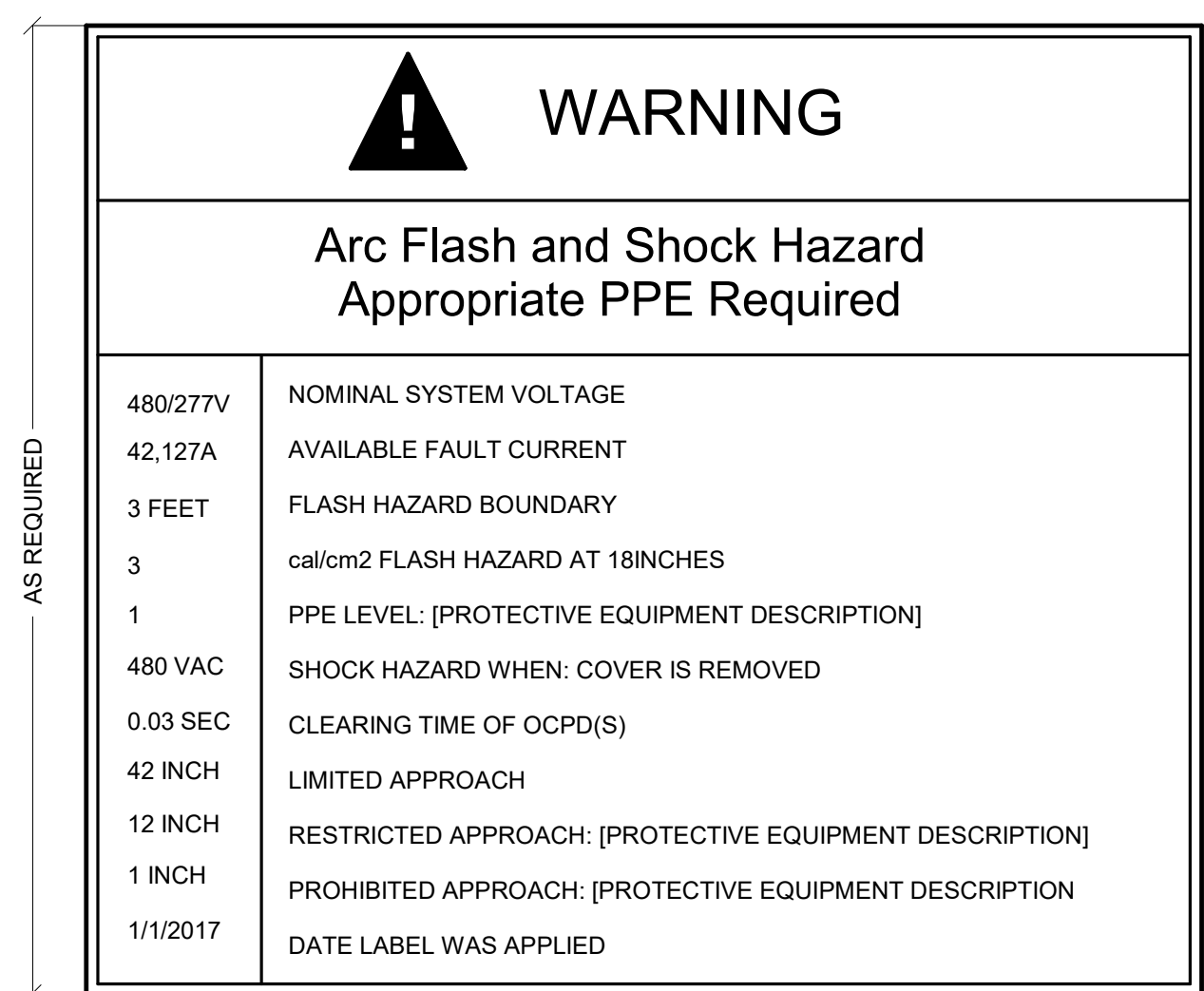
7 RECEPTACLE IDENTIFICATION  
NO SCALE



8 BACK TO BACK BOXES ARRANGEMENT-NOISE/FIRE RATING  
NO SCALE

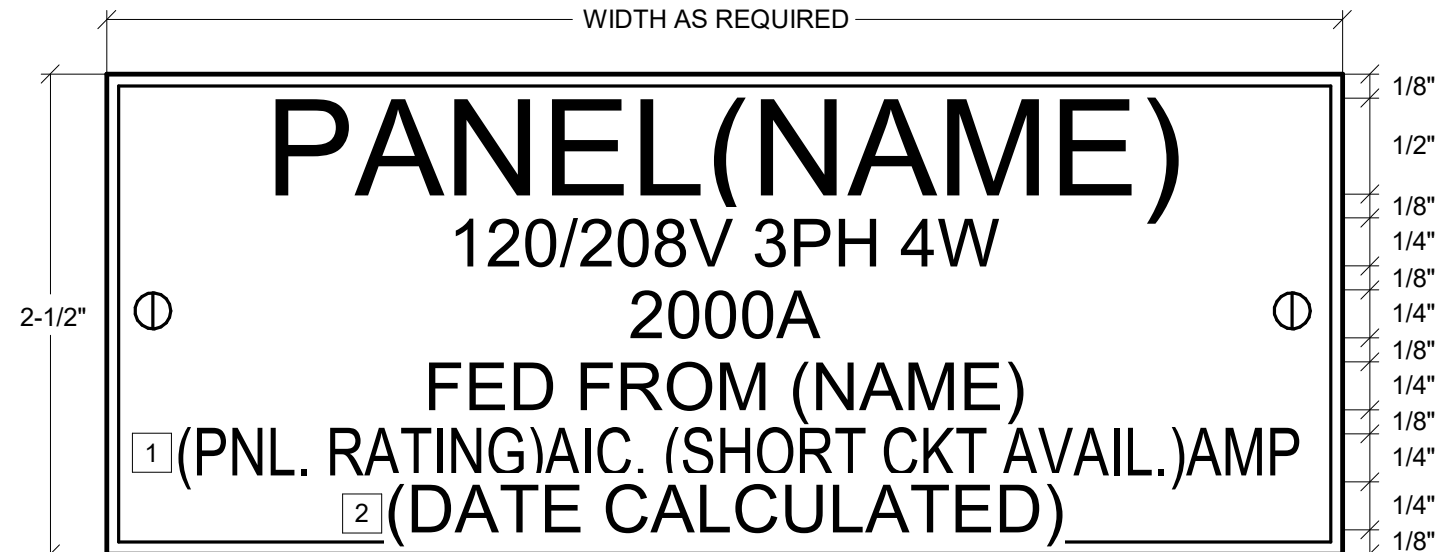


9 TYPICAL COMPRESSION GROUND CONNECTOR DETAIL  
NO SCALE



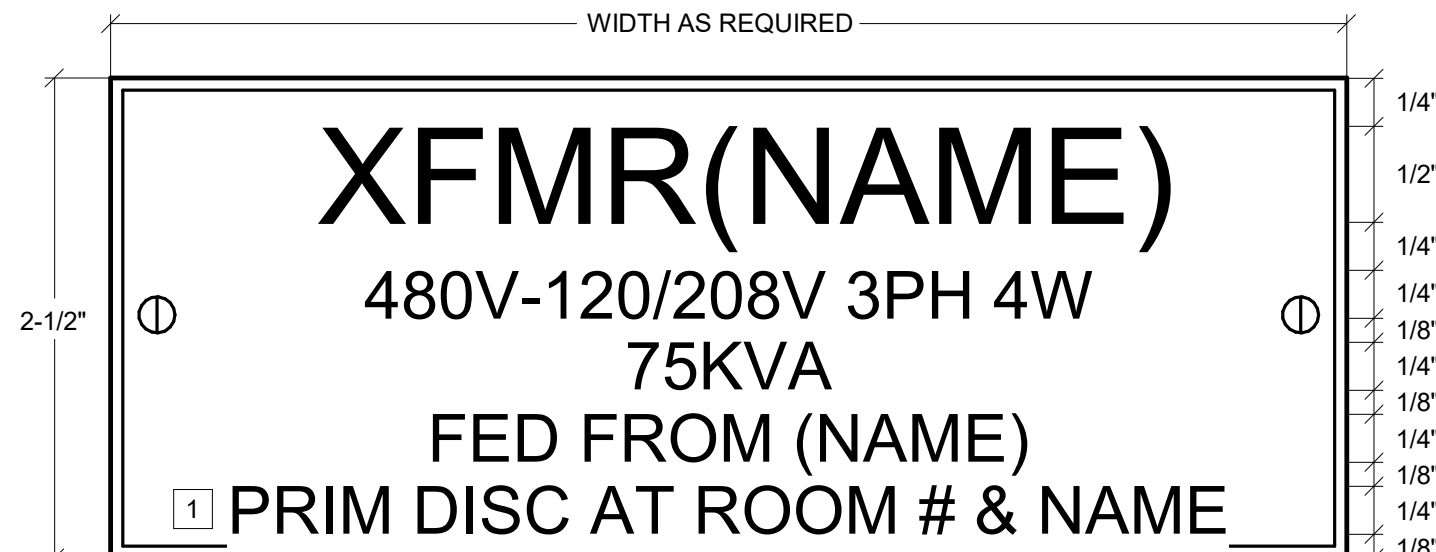
NOTE:  
1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.

1 ARC FLASH LABEL  
NO SCALE



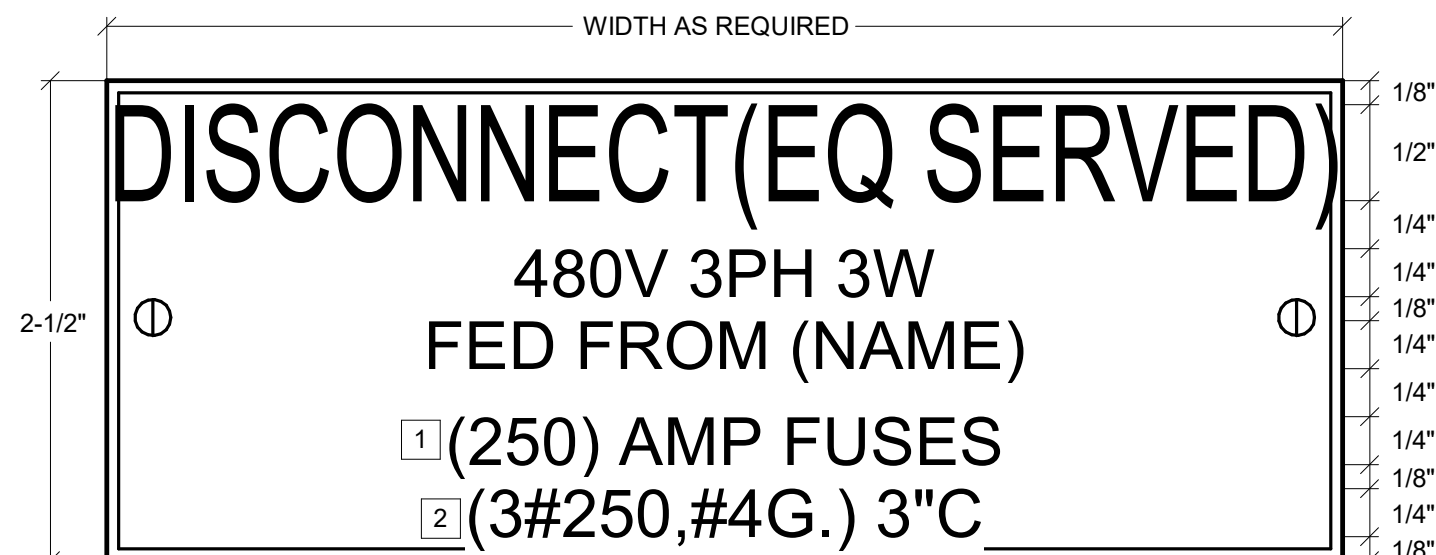
NOTE:  
1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.  
1 INDICATE BUS BRACING VALUE AND AVAILABLE FAULT CURRENT.  
2 PROVIDE AND INDICATE DATE OF CALCULATION.

2 SUB DIST. CENTER & BRANCH PANEL NAME PLATE  
NO SCALE



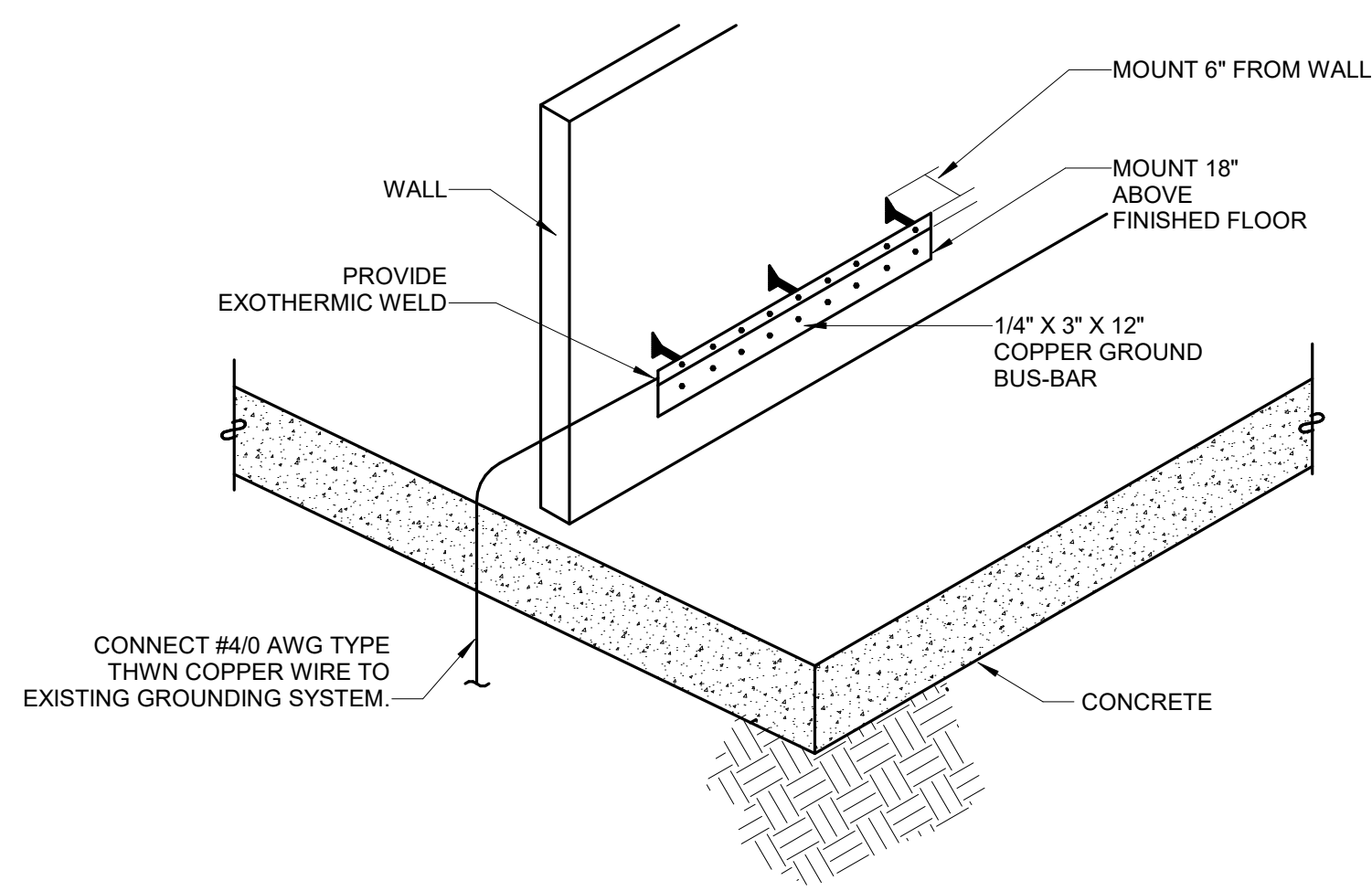
NOTE:  
1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.  
1 INDICATE LOCATION OF PRIMARY DISCONNECT

3 TRANSFORMER NAMEPLATE  
NO SCALE



NOTE:  
1. SEE SPECIFICATIONS FOR ADDITIONAL NAMEPLATE INFORMATION.  
1 INDICATE FUSE SIZE, IF APPLICABLE  
2 INDICATE BRANCH CIRCUIT WIRE SIZE

5 DISCONNECT NAMEPLATE  
NO SCALE



4 ELECTRICAL RISER ROOM GROUND BUS BAR  
NO SCALE



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ARCHITECTURE ENGINEERS

12499 West Colfax Ave.  
Lakewood, CO 80215  
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Tel 303.431.6100

| Date       | Description                                                                                |
|------------|--------------------------------------------------------------------------------------------|
| 2021.05.21 | BPAD - GONDOLA SQUARE INTERIORS<br>BLDG. A, C AND F - ISSUE FOR PERMIT<br>AND CONSTRUCTION |

Seal / Signature



Project Name

Steamboat Base Village  
Redevelopment

Project Number

003.7835.000

Description

ELECTRICAL DETAILS

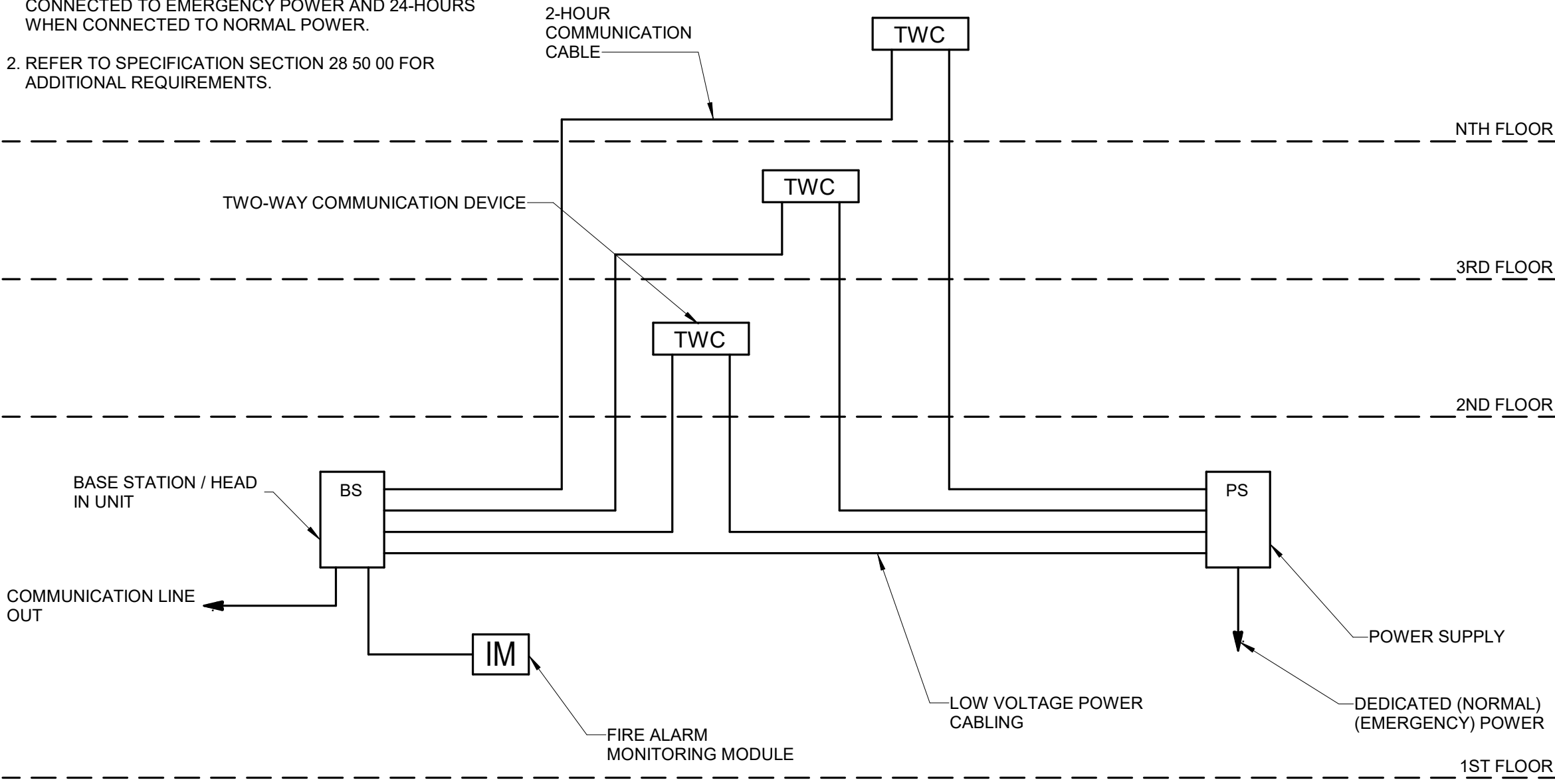
Scale

NO SCALE

E8.000

GENERAL NOTES:

1. PROVIDE MINIMUM 4-HOURS RUN TIME WHEN CONNECTED TO EMERGENCY POWER AND 24-HOURS WHEN CONNECTED TO NORMAL POWER.
2. REFER TO SPECIFICATION SECTION 28 50 00 FOR ADDITIONAL REQUIREMENTS.



① TWO-WAY COMMUNICATION / AREA OF RESCUE ASSISTANCE DIAGRAM  
NO SCALE

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| △ | Date       | Description                                                                                |
|---|------------|--------------------------------------------------------------------------------------------|
| - | 2021.05.21 | BRID - GONDOLA SQUARE INTERIORS<br>BLDG. A, C AND F - ISSUE FOR PERMIT<br>AND CONSTRUCTION |

Seal / Signature



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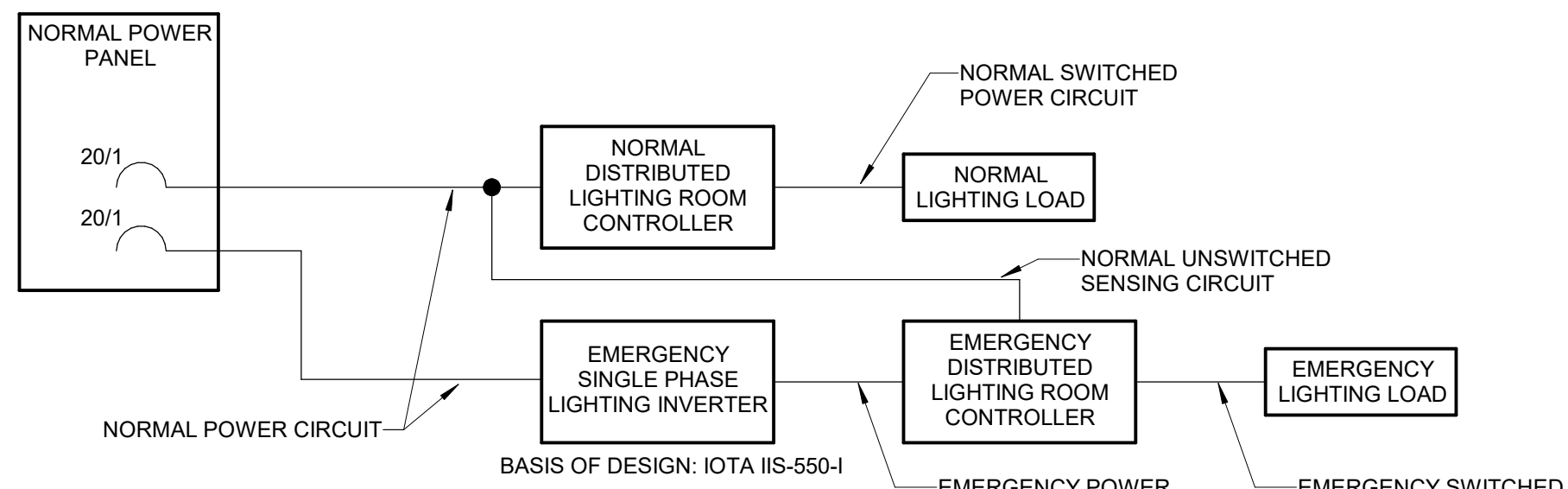
Description

ELECTRICAL DETAILS

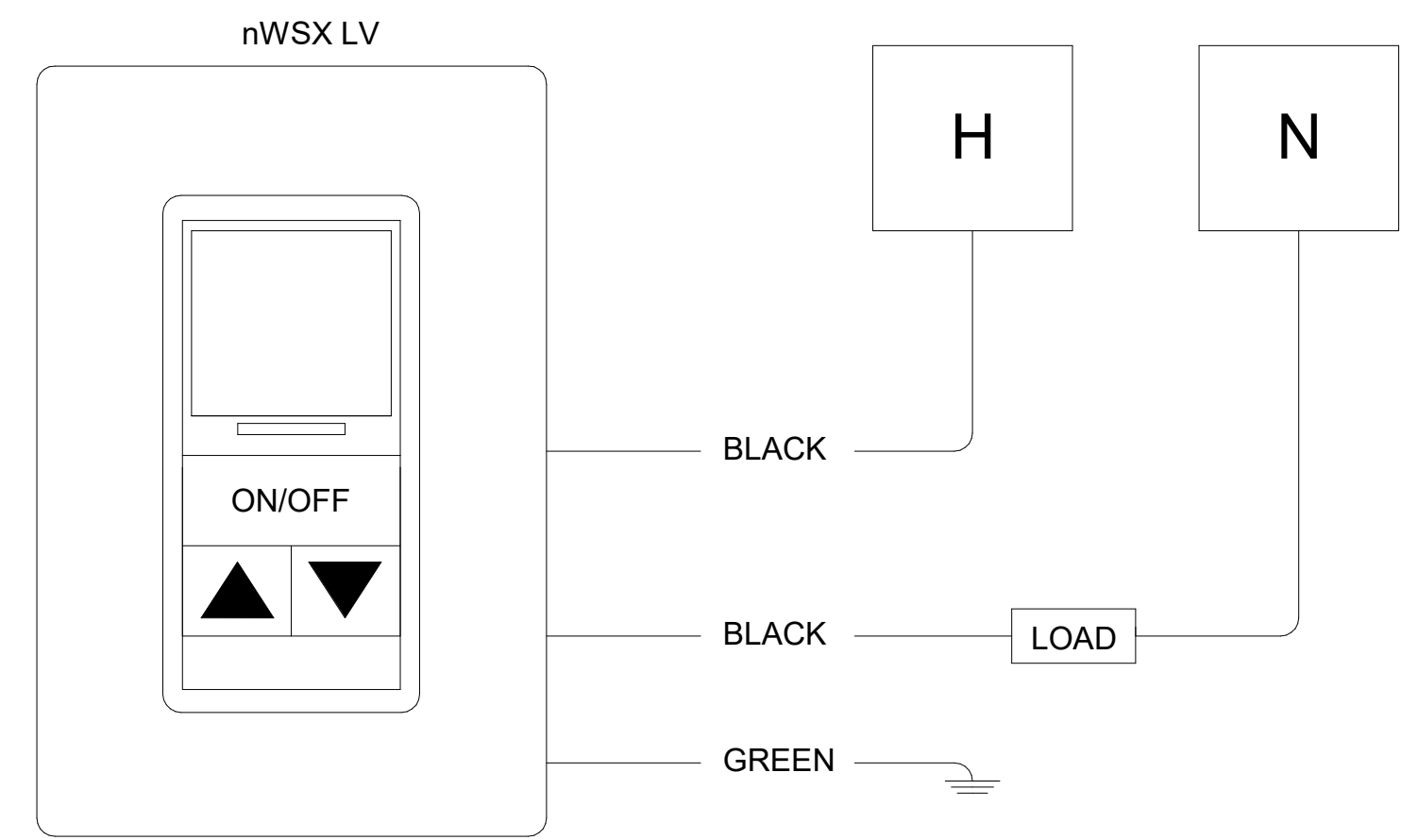
Scale

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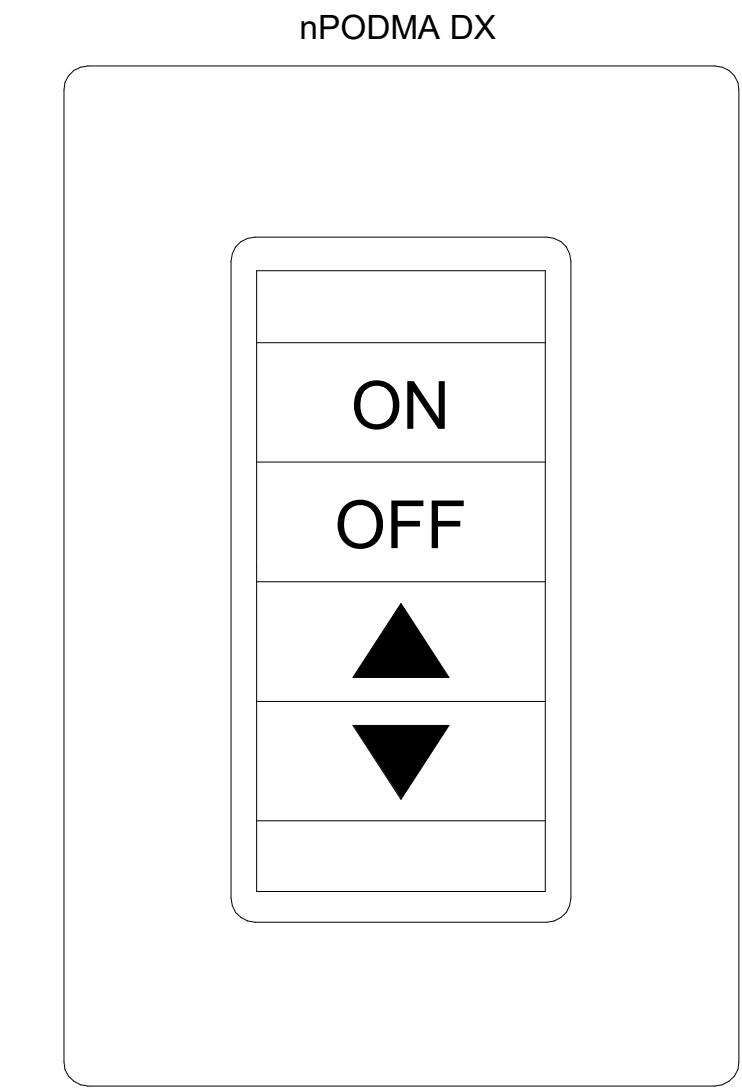
**E8.001**



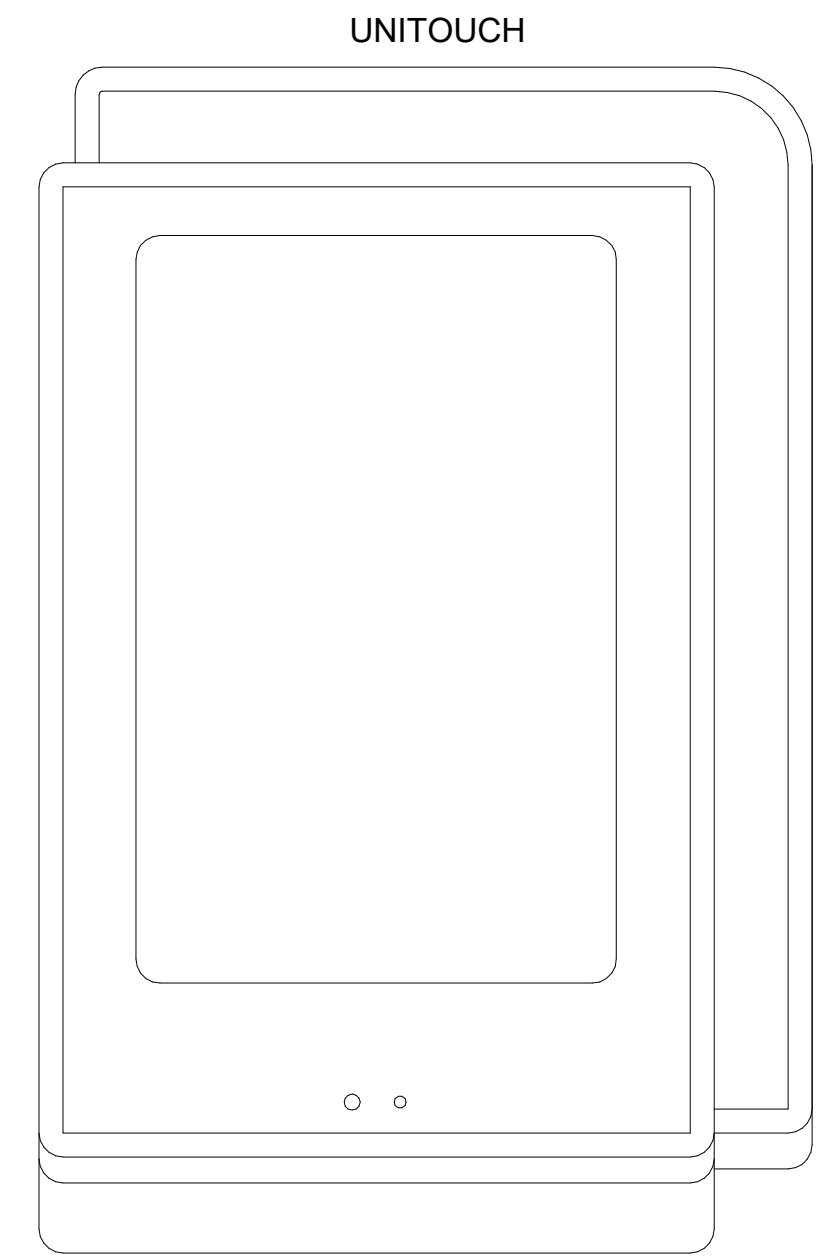
10. EMERGENCY LIGHTING INVERTER WIRING DIAGRAM  
NO SCALE



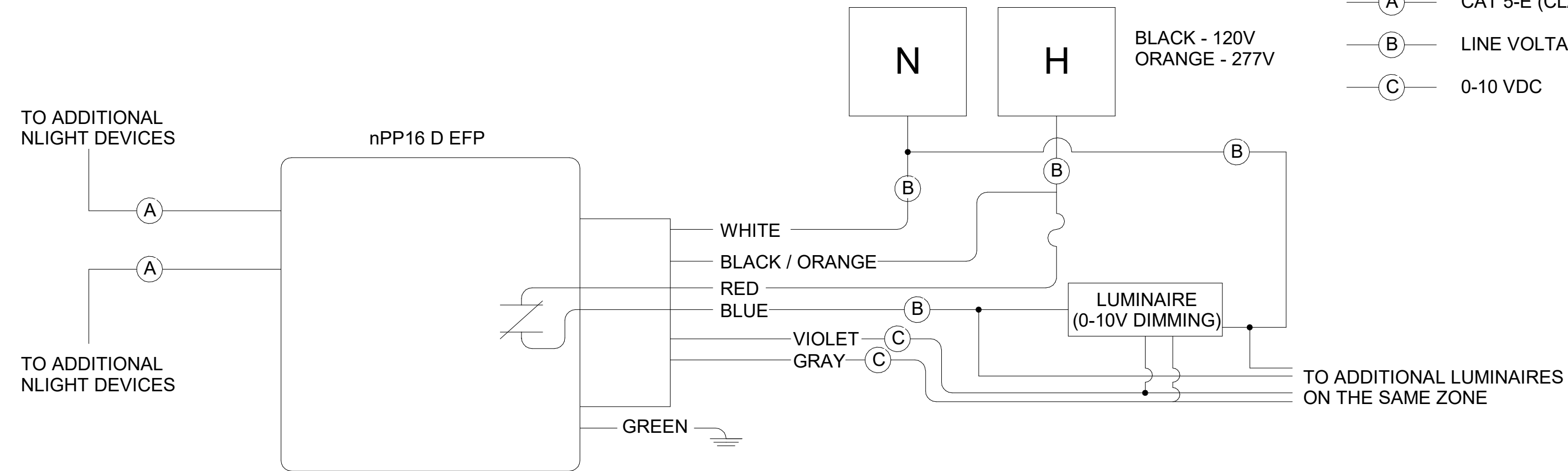
9. WALL SWITCH - 1 POLE, AUTO ON/OFF  
NO SCALE



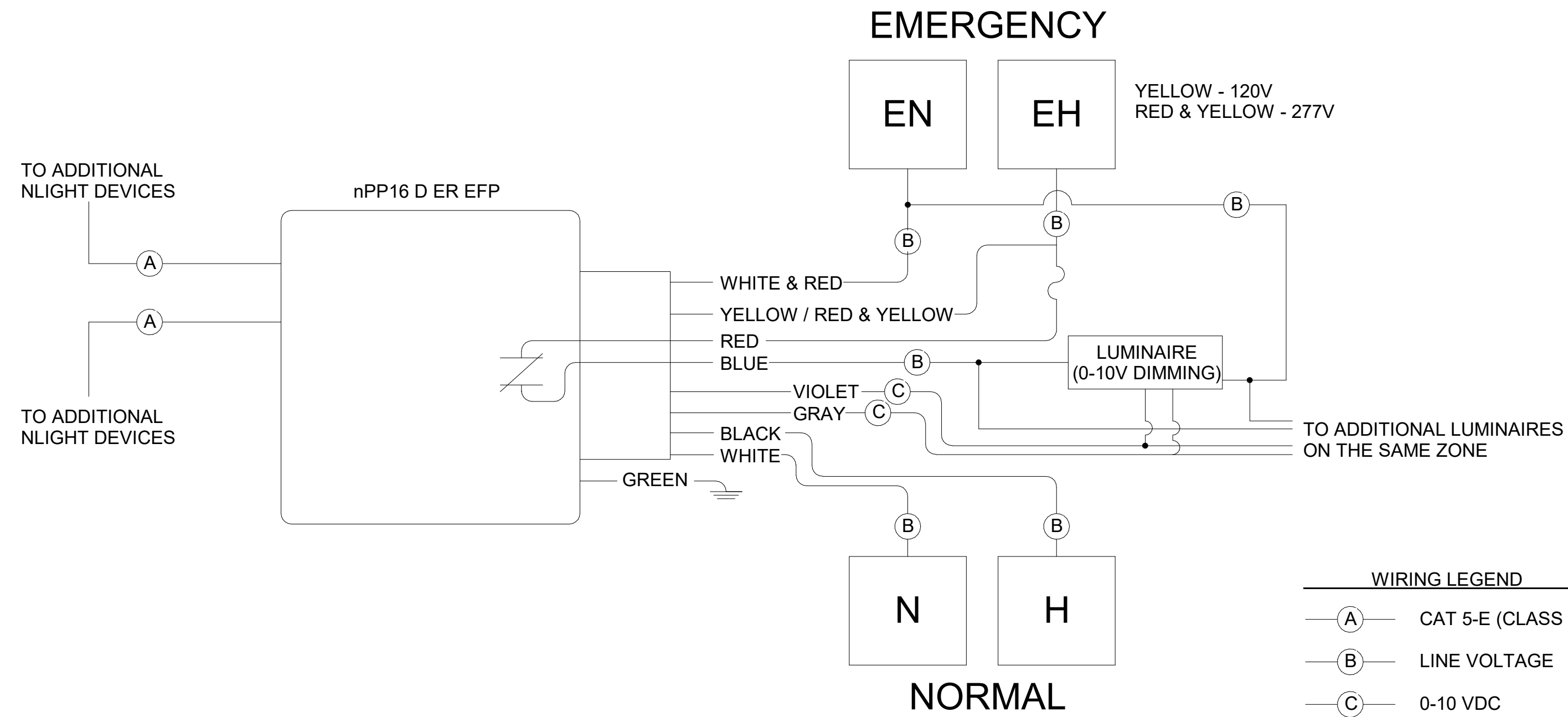
5. SINGLE ZONE DIMMER  
NO SCALE



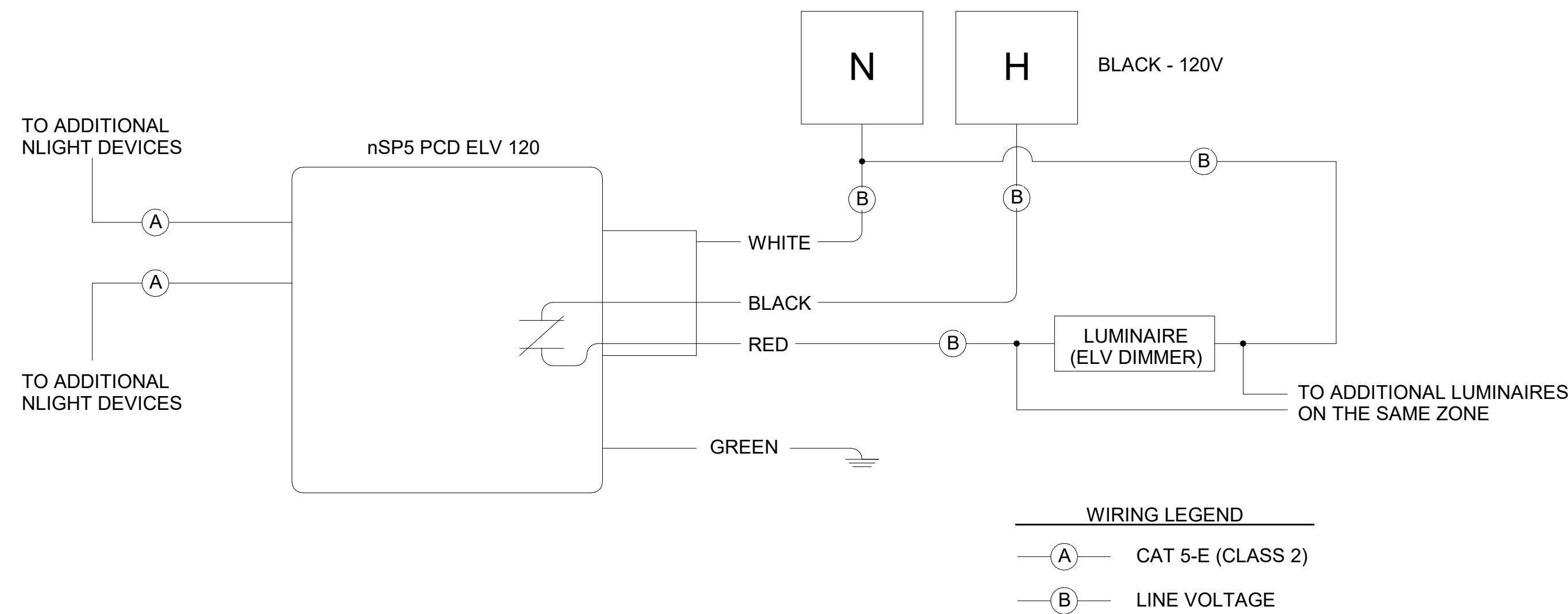
1. 3.5" TOUCHSCREEN  
NO SCALE



11. TYPICAL WIRING DIAGRAM: NPP16 D EFP  
NO SCALE



12. TYPICAL WIRING DIAGRAM: NPP16 D ER EFP  
NO SCALE

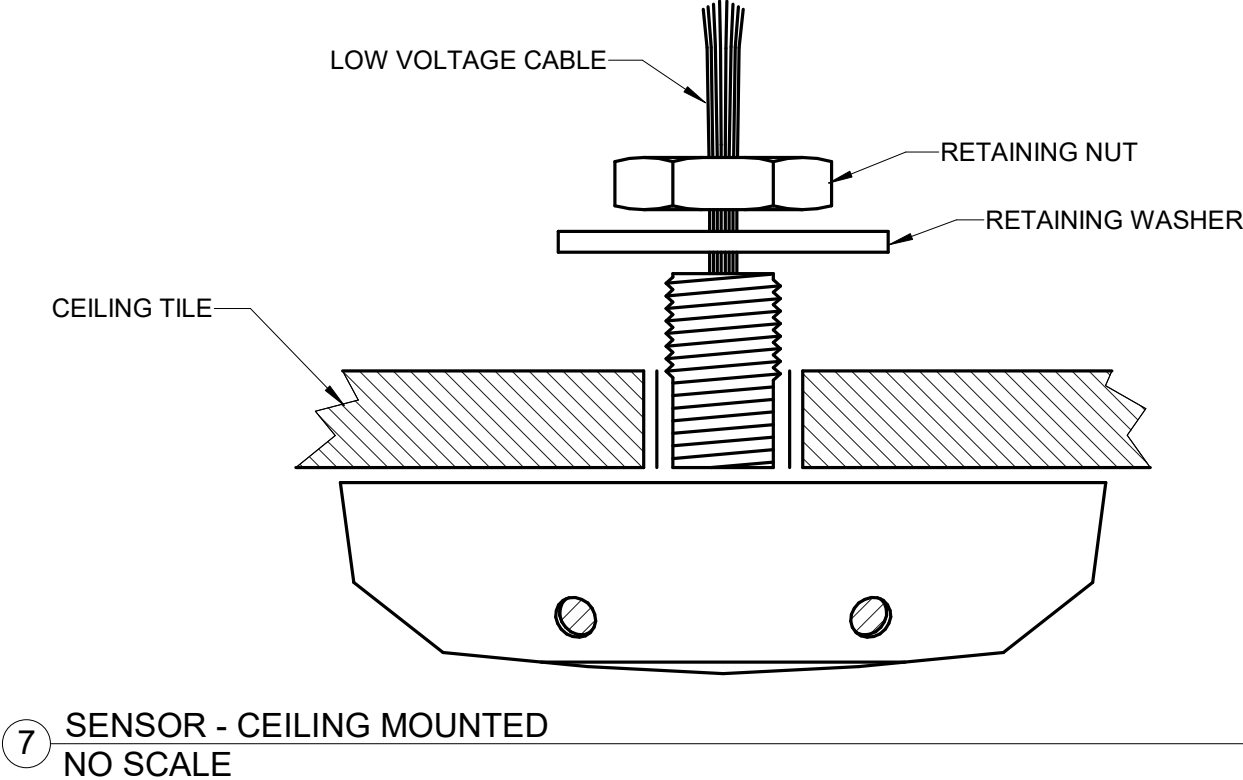


13. TYPICAL WIRING DIAGRAM: NSP5 PCD ELV 120  
NO SCALE

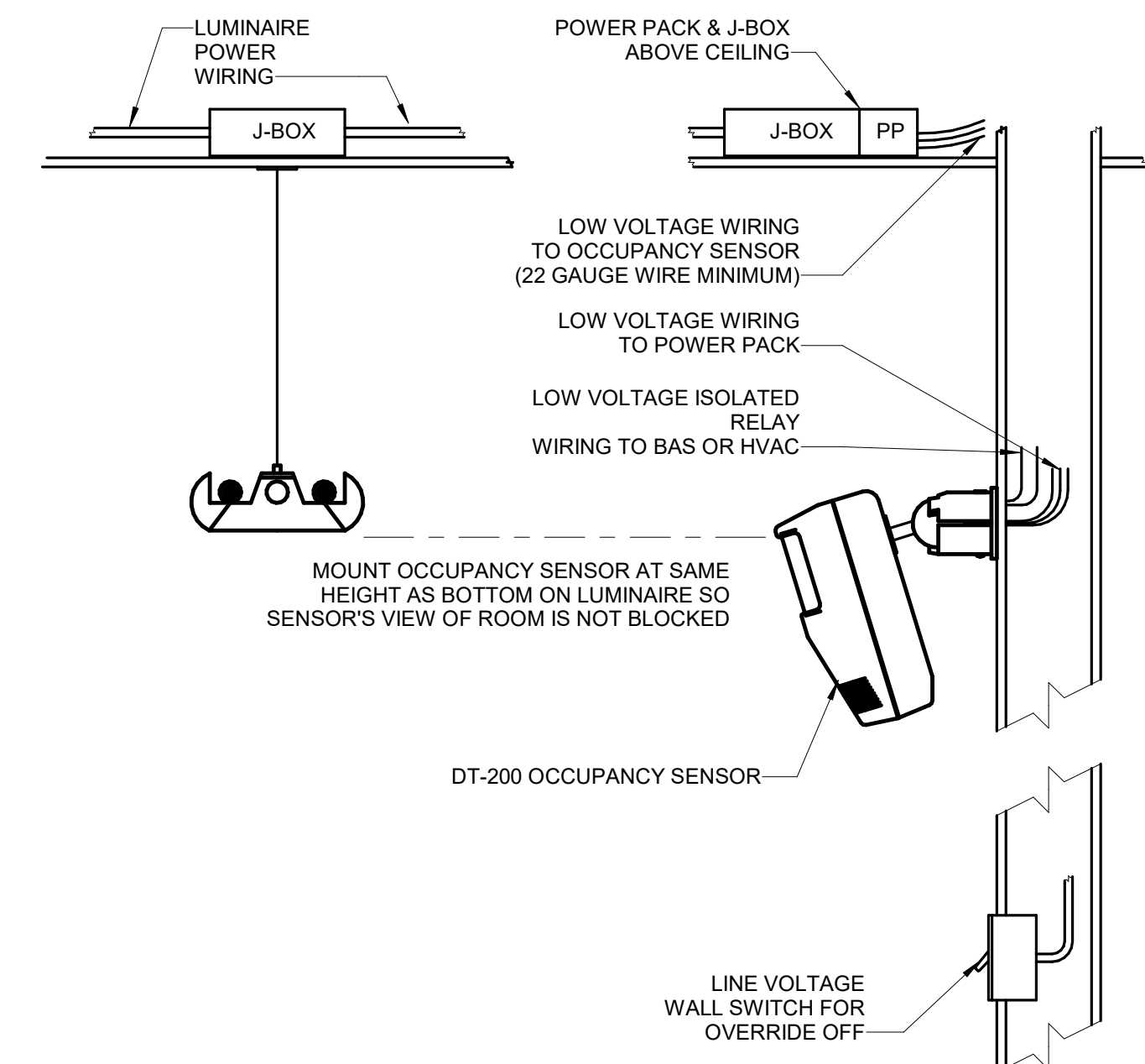
| WIRING LEGEND |                   |
|---------------|-------------------|
| — (A) —       | CAT 5-E (CLASS 2) |
| — (B) —       | LINE VOLTAGE      |
| — (C) —       | 0-10 VDC          |

| WIRING LEGEND |                   |
|---------------|-------------------|
| — (A) —       | CAT 5-E (CLASS 2) |
| — (B) —       | LINE VOLTAGE      |
| — (C) —       | 0-10 VDC          |

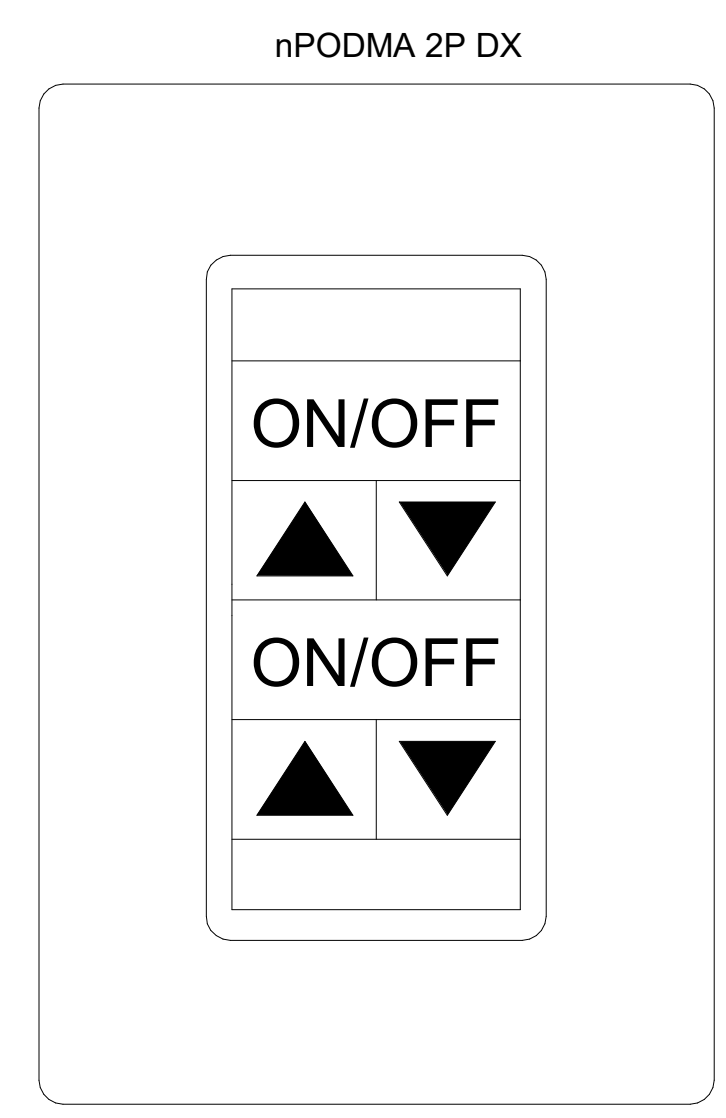
| WIRING LEGEND |                   |
|---------------|-------------------|
| — (A) —       | CAT 5-E (CLASS 2) |
| — (B) —       | LINE VOLTAGE      |



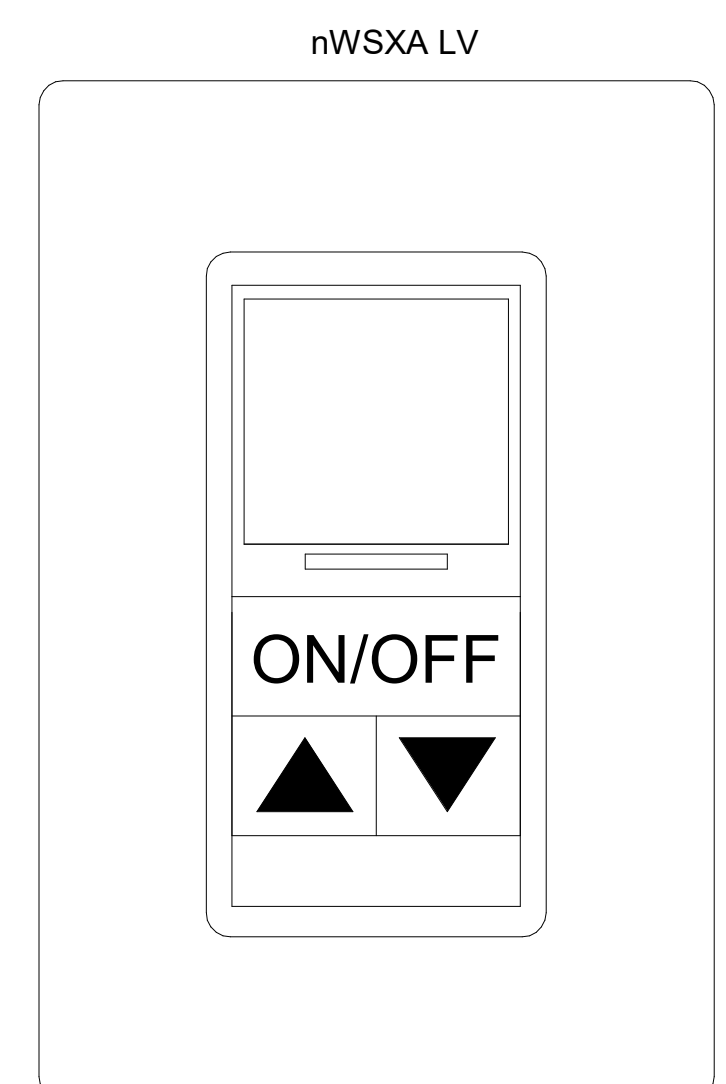
7. SENSOR - CEILING MOUNTED  
NO SCALE



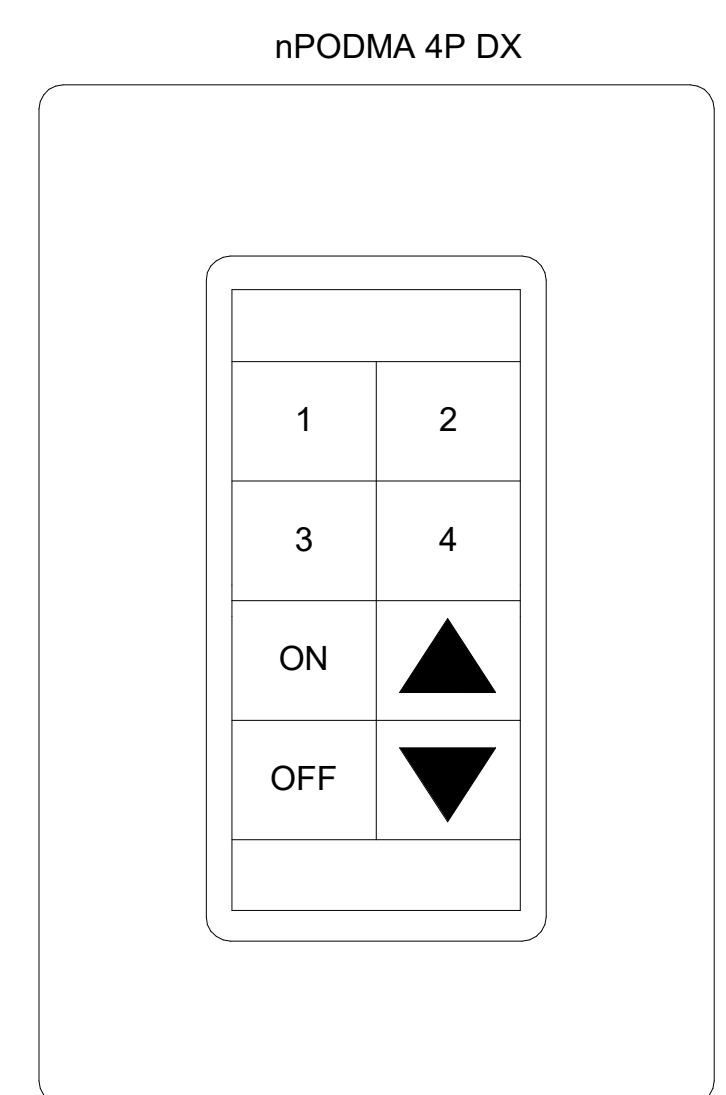
8. SENSOR - WALL MOUNTING  
NO SCALE



2. MULTI-ZONE DIMMER  
NO SCALE



3. OCCUPANCY SENSOR & DIMMER  
NO SCALE



4. SCENE SELECTOR & DIMMER  
NO SCALE

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Seal / Signature



Project Name  
**Steamboat Base Village  
Redevelopment**

Project Number  
**003.7835.000**

Description  
**ELECTRICAL DETAILS**

Scale  
As indicated

**E8.002**