































ELECTRICAL SPECIFICATIONS		GENERAL NOTES		ELECTRICAL SYMBOLS LIST																	
<p>PART 1 - GENERAL</p> <p>1.01 COORDINATION OF TRADES: SCHEDULE AND COORDINATE WORK WITH THAT OF OTHER DIVISIONS AND SECTIONS.</p> <p>1.02 GUARANTEE IN WRITING THE ELECTRICAL INSTALLATION, AND ALL WORK UNDER THIS SECTION, FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER AGAINST ALL EVIDENCE OF IMPERFECT WORKMANSHIP OR FAILURE OR MALFUNCTION OF MATERIALS.</p> <p>PART 2 - PRODUCTS</p> <p>2.01 MATERIALS AND EQUIPMENT</p> <p>A. MATERIAL FURNISHED UNDER THIS CONTRACT, UNLESS OTHERWISE NOTED, SHALL BE NEW, FREE FROM DEFECTS AND SHALL CONFORM WITH THE STANDARDS OF UL.</p> <p>B. VOLTAGE, AMPERE, AND OTHER RATINGS OF EQUIPMENT SHALL BE SUITABLE FOR USE INTENDED. DISCONNECT SWITCHES SHALL BE PROPERLY HORSEPOWER RATED AND SUITABLE FOR VOLTAGE AND AMPERE RATING OF LOAD.</p> <p>C. THE DRAWINGS GENERALLY INDICATES THE RACEWAY SIZE, THE NUMBER, SIZE, AND INSULATION TYPE OF CONDUCTORS TO BE PROVIDED AND INSTALLED, WHERE THESE ITEMS DO NOT MEET MINIMUM APPLICABLE CODES, FOR EQUIPMENT BEING SERVED, COMPLY AS REQUIRED AT NO ADDITIONAL COST.</p> <p>2.02 RACEWAYS</p> <p>A. GALVANIZED RIGID CONDUIT (GRC); INCLUDING ELBOWS AND COUPLINGS.</p> <p>B. INTERMEDIATE METAL CONDUIT (IMC); INCLUDING ELBOWS AND COUPLINGS.</p> <p>C. ELECTRIC METALLIC TUBING (EMT) WITH FITTINGS OF PRESSED STEEL OR MALLEABLE IRON, COMPRESSION TYPE (IN WET AREAS ONLY) WITH INSULATED THROATS.</p> <p>D. RIGID NON-METALLIC CONDUIT: (PVC) U.L. LABELED SCHEDULE 40 P.V.C.</p> <p>2.03 DEVICE AND JUNCTION BOXES: INCLUDE PLASTER RINGS, COVERS, AND KO SEALS AS REQUIRED.</p> <p>2.04 WIRE AND CABLE: UNLESS OTHERWISE NOTED, WIRE AND CABLE SHALL BE SOFT DRAWN, ANNEALED COPPER. WIRE SIZES NO. 8 AND LARGER AND CONDUCTORS SERVING MOTORS AND SUBJECT TO VIBRATIONS SHALL BE STRANDED CABLE. INSULATION TO BE THWN/THHN, JACKETED 90C INSULATED WIRE. PROVIDE WIRE COLOR IDENTIFICATION: NEUTRAL WIRE - WHITE, LIVE WIRE - BLACK, RED, BLUE ON 120/208 VOLT SYSTEM; NEUTRAL WIRE - GREY, LIVE WIRE - BROWN, ORANGE YELLOW ON 277/480 VOLT SYSTEM; GROUND - GREEN.</p> <p>2.05 ADDED PANELS TO BE PANELBOARDS - LOAD CENTERS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY APPROVED.</p> <p>2.06 SERVICE ENTRANCE AND DISTRIBUTION GEAR BY G.E., SQUARE "D" OR CUTLER HAMMER OR SIEMENS ONLY. INTERIOR PANELBOARDS SHALL BE RECESSED WITH FLANGED/REMOVABLE SCREW-ON COVER. SURFACE MOUNTED PANELBOARDS OR HINGED/FLUSH COVERS ARE NOT ALLOWED.</p> <p>2.07 SWITCHBOARDS: COPPER BUSSING WITH FULL CAPACITY NEUTRAL.</p> <p>2.11 120/208 VOLT AND 277/480 VOLT PANELBOARDS: 3 PHASE, 4 WIRE, COPPER BUS, COMPOSED OF AN ASSEMBLY OF BOLT-IN-PLACE MOLDED CASE CIRCUIT BREAKERS WITH THERMAL AND MAGNETIC TRIP AND TRIP FREE POSITION SEPARATE FROM EITHER ON OR OFF POSITIONS.</p> <p>2.13 SAFETY SWITCHES: FUSED, HEAVY DUTY, HORSEPOWER RATED.</p> <p>2.14 STARTERS, CONTACTORS AND CONTROL DEVICES, PROVIDE AS SHOWN AND AS REQUIRED BY CODE. FURNISH COMPLETE WITH PILOT LIGHTS, AUXILIARY CONTACTS, PUSH BUTTONS, HAND-OFF-ON SWITCHES, CONTROL DEVICES, AND OVERLOAD RELAYS. THERMAL OVERLOADS TO BE SIZED PER MANUFACTURERS RECOMMENDATIONS. AMBIENTLY COMPENSATE ALL HEATERS EXPOSED TO HIGH TEMPERATURE OR INSTALLED OUTSIDE AS NEEDED.</p> <p>2.16 NAMEPLATES: PROVIDE BLACK LAMICOID NAMEPLATES WITH 3/16" HIGH WHITE ENGRAVED LETTERS ON PANELS, SWITCHBOARDS, MAINS AND SUBMAINS, DISTRIBUTION EQUIPMENT, REMOTE SAFETY SWITCHES, CIRCUIT BREAKERS, TIME SWITCHES, CONTACTORS, AND STARTERS.</p> <p>2.17 WIRING DEVICES</p> <p>A. HUBBELL OR COMPARABLE LEVITON OR BRYANT: WHITE AND GREY IN COLOR - AS NOTED ON DRAWINGS OR PER ARCHITECT. 15 AMP DEVICES ALLOWED ONLY WHEN SPECIFICALLY DENOTED ON ELECTRICAL CONSTRUCTION DRAWINGS.</p> <p>B. TOGGLE SWITCHES: SINGLE POLE - HUBBELL 1221- 20A, 120/277V, THREE WAY - HUBBELL 1223- 20A, 120/277V, FOUR WAY - HUBBELL 1224- 20A, 120/277V.</p> <p>C. RECEPTACLES: DUPLEX GROUNDING TYPE, SPECIFICATION GRADE, 125 VOLT, 20 AMPERES, SINGLE PHASE, HUBBELL NO. 5262 OR COMPARABLE.</p> <p>D. GROUND FAULT INTERRUPTER TYPE RECEPTACLE: DUPLEX GROUNDING TYPE, SPECIFICATION GRADE, 125 VOLT, 20 AMPERES, SINGLE PHASE, 5 mA GROUND TRIP, FEED THROUGH CONSTRUCTION.</p> <p>2.18 DEVICE PLATES: LEXAN (STA-KLEEN), SMOOTH FINISH IN STAINLESS STEEL - AS NOTED ON PLANS. MULTI-GANG OUTLET PLATES SHALL BE USED FOR MULTI-GANG BOXES.</p> <p>2.19 NOT USED</p> <p>2.20 LIGHTING FIXTURES</p> <p>A. ALL INTERIOR / BUILDING MOUNTED LIGHTING PROVIDED BY PX AND INSTALLED BY E.C.</p> <p>B. ALL EXTERIOR SITE LIGHTING IS PROVIDED AND INSTALLED BY E.C.</p> <p>PART 3 - EXECUTION</p> <p>3.01 GENERAL INSTALLATION</p> <p>A. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE MADE IN A NEAT, APPROVED, FINISHED, AND SAFE MANNER.</p> <p>B. INSPECT AND MAKE TIGHT ALL CONNECTIONS FOR ALL EQUIPMENT, INCLUDING FACTORY CONNECTIONS. TORQUE ALL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.</p> <p>C. LIGHTING FIXTURES INSTALLED AND USED FOR LIGHTING DURING CONSTRUCTION SHALL BE RELAMPED WITH NEW LAMPS JUST PRIOR TO THE FINAL ACCEPTANCE OF THE PROJECT.</p> <p>D. INSTALL SEISMIC RESTRAINT DEVICES FOR ALL CEILING MOUNTED EQUIPMENT, I.E. LAY-IN FIXTURES. PROVIDE GRID CLIPS AND #12 SLACK WIRES FROM FIXTURE CORNERS TO STRUCTURE.</p> <p>3.02 RACEWAYS</p> <p>A. INSTALL COMPLETE RACEWAY SYSTEMS FOR ALL ELECTRICAL CONDUCTORS INCLUDING TELEPHONE, SIGNAL, CONTROL, AND OTHER SYSTEMS.</p> <p>B. UNLESS OTHERWISE NOTED, INSTALL ALL RACEWAYS CONCEALED. WHERE IT IS NOT FEASIBLE TO CONCEAL RACEWAYS, INSTALL AS DIRECTED BY ARCHITECT.</p> <p>C. INSTALL EXPOSED RACEWAYS TO RUN PARALLEL OR AT RIGHT ANGLES TO STRUCTURAL BUILDING LINES WITH NEAT BENDS AND NEATLY OFFSET INTO TERMINATIONS.</p> <p>D. IN EMPTY RACEWAY PROVIDE AND INSTALL A NO. 14 NYLON DRAG LINE.</p> <p>E. INSTALL RACEWAYS WITH APPROVED HEAVY DUTY SUPPORTS, STRAPS, HANGERS, CONNECTORS, AND COUPLINGS AS REQUIRED TO MAINTAIN AN APPROVED INSTALLATION.</p> <p>F. NOT USED.</p> <p>H. MINIMUM CONDUIT SIZE TO BE 3/4" U.N.O.</p> <p>3.03 GALVANIZED RIGID CONDUIT (GRC): ALL RACEWAYS SHALL BE GRC EXCEPT AS NOTED. CONDUIT, ELBOWS, AND STANDARD COUPLINGS SHALL BE HOT DIPPED GALVANIZED RIGID STEEL. IF PARTITIONS OR WALLS ARE SOLID CONCRETE OR ARE GROUTED SOLID WITH CONCRETE OR MORTAR, RIGID STEEL CONDUIT SHALL BE USED.</p> <p>3.04 INTERMEDIATE METAL CONDUIT (IMC): IMC RACEWAY AND APPROVED FITTINGS WHERE PERMITTED BY APPLICABLE CODES AND REGULATIONS MAY BE USED FOR RIGID STEEL CONDUIT, WHERE INSTALLED ABOVE FINISH GRADE AND ABOVE CONCRETE SLABS ON GRADE.</p> <p>3.05 ELECTRIC METALLIC TUBING (EMT): EMT MAY BE USED WHERE CONCEALED IN AREAS ABOVE CEILINGS, FURRED SPACES, PARTITIONS OR WALLS. ALSO MAY BE EXPOSED, WHEN NOT IN HAZARDOUS AREAS, AREAS SUBJECT TO PHYSICAL DAMAGE, OR WHEN DIRECTLY EXPOSED TO RAIN OR WASH-DOWN.</p> <p>3.06 FLEXIBLE METAL CONDUIT (FLEX): USE FLEXIBLE CONDUITS FOR CONNECTIONS TO MOTORS, WHERE SUBJECT TO MOVEMENT OR VIBRATION, AND LIQUID TIGHT WHERE EXPOSED TO MOISTURE OR OIL.</p> <p>3.07 RIGID NONMETALLIC CONDUIT PVC SCHEDULE 40 MAY BE INSTALLED FOR DIRECT BURIAL RACEWAYS WHERE INSTALLED WITH MINIMUM COVERAGE PER NEC TABLE 300.5. ALL UNDERGROUND BENDS SHALL BE GRC.</p> <p>3.08 OUTLET, PULL AND JUNCTION BOXES</p> <p>A. UNLESS OTHERWISE SHOWN OR AS DIRECTED PRIOR TO INSTALLATION, OUTLET BOXES SHALL GENERALLY BE PLACED AT THE FOLLOWING HEIGHTS, CENTER OF BOX TO FINISHED FLOOR LEVEL.</p> <p>B. WALL SWITCHES: 44".</p> <p>C. CONVENIENCE RECEPTACLES: 18" (OR 4" ABOVE COUNTERS) AND/OR AS NOTED. (SIMILAR TYPE OUTLETS SHALL BE MOUNTED AT SAME HEIGHT IN EACH AREA). GROUNDING PIN AT BOTTOM.</p> <p>D. OTHER OUTLET TYPES: REFER TO ELECTRICAL SYMBOL LIST ON THIS SHEET.</p> <p>3.09 CONDUCTORS (COPPER ONLY)</p> <p>A. USE SPECIFIED COLOR SCHEDULE FOR ALL WIRING. WHERE LARGE CONDUCTORS ARE NOT AVAILABLE IN COLORS, IDENTIFY WITH PERMANENT COLORED TAPE AT ALL TERMINATIONS, JUNCTION BOXES, ETC. COLOR CODING PER NEC.</p> <p>B. MAKE TAPS, JOINTS, SPLICES, AND OTHER CONNECTIONS WITH FIXTURE CONNECTORS.</p> <p>C. DO NOT INSTALL WIRING OR PULL WIRES, IN RACEWAYS UNTIL RACEWAY SYSTEM IS COMPLETE, CLEAN, DRY, AND FREE OF ALL FOREIGN MATERIALS. LUBRICATE AS REQUIRED.</p> <p>D. MINIMUM CONDUCTOR SIZE TO BE #12 CU. THWN.</p> <p>3.10 LIGHTING FIXTURES</p> <p>A. LEAVE FIXTURES AND LAMPS CLEAN OF ALL DIRT, DUST, GREASE SPOTS AND DEBRIS. ALL GLASS, PLASTIC AND OTHER COMPONENTS SHALL BE UNSCRATCHED AND UNBROKEN.</p> <p>B. FIT AND ADJUST ALL FIXTURES, WHERE STRUCTURAL CONDITIONS, PARTITIONS, FURNITURE, SHELVING, AND AIR CONDITIONING DIFFUSERS INTERFERE WITH THE LIGHTING FIXTURES AT LOCATIONS SHOWN, NOTIFY ARCHITECT IN WRITING AND RELOCATE AT NO ADDITIONAL COST AS DIRECTED.</p> <p>C. FIXTURES WITH FINISH TRIM OR LENS FRAMES SHALL BE GASKETED AND BAFFLED TO PREVENT LIGHT LEAKS. INSTALL SO THAT NO LIGHT LEAKS EXIST.</p> <p>D. FIXTURES MOUNTED DIRECTLY ON COMBUSTIBLE LOW-DENSITY CEILINGS SHALL MEET UL APPROVAL FOR THIS CONDITION AND BE PLAINLY MARKED AS SUCH.</p> <p>3.11 GROUNDING</p> <p>A. GROUNDING FOR DISTRIBUTION EQUIPMENT, EQUIPMENT AND MATERIALS WITH ELECTRICAL CONNECTIONS, ELECTRIC MOTOR FRAMES, ELECTRIC RACEWAY AND RELATED EQUIPMENT, SHALL BE EFFECTIVELY AND PERMANENTLY GROUNDED IN ACCORDANCE WITH PERTINENT SECTIONS OF ARTICLE 250 OF NEC. RESISTANCE TO GROUND SHALL NOT EXCEED 10 OHMS.</p> <p>B. ALL RACEWAYS SHALL HAVE AN APPROVED SIZED, INSULATED, STRANDED COPPER GROUNDING CONDUCTOR.</p> <p>C. WHERE RACEWAYS CONNECT TO A CONCENTRIC K.O. PROVIDE GROUNDING LOCKNUT OR BUSHING AND BOND WIRE EXTENDED AND BONDED TO ENCLOSURE, SIZE AS PER NEC.</p> <p>3.12 DITCHING, EXCAVATION AND BACKFILLING: PERFORM ALL DITCHING, EXCAVATION AND BACKFILLING REQUIRED FOR THE ELECTRICAL WORK. PROVIDE AND MAINTAIN ALL SHEATHING, BRACING AND PROPER GUARDS FOR PREVENTION OF ACCIDENTS.</p> <p>3.13 UTILITY COMPANY SERVICE CONTRACTOR TO BE RESPONSIBLE FOR COORDINATING AND PROVIDING REQUIRED WORK FOR SUPPLYING ELECTRICAL POWER AND COMMUNICATIONS UTILITIES TO THE PROJECT.</p> <p>3.14 FINAL INSPECTION: TEST SYSTEM FOR SHORTS AND OPENS. FAULTY WIRING SHALL BE REMOVED AND REPLACED. AFTER SYSTEM IS CONNECTED COMPLETELY, TEST FOR INSULATION RESISTANCE. RESISTANCE LOWER THAN OUTLINED IN THE NEC, MANUFACTURERS DATA, ETC., SHALL BE REMOVED AND REPLACED. ANY DEVICE, APPARATUS OR FIXTURE UNDER THIS CONTRACT SHOWING SUBSTANDARD READINGS SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ARCHITECT.</p> <p>3.15 LABEL ALL RECEPTACLES WITH 3/16" HIGH BLACK LETTERING ON CLEAR TAPE. IF THE RECEPTACLE IS BLACK OR BROWN, PROVIDE WHITE LETTERING ON CLEAR TAPE. LABEL TO BE NEATLY CENTERED IN THE TOP SPACE OF THE COVERPLATE, AND SHALL INDICATE THE SERVING PANEL AND CIRCUIT ORIGIN.</p>		<p>1. THE ELECTRICAL DRAWINGS, SPECIFICATIONS AND GENERAL NOTES DESCRIBE THE SCOPE OF WORK AND THE DOCUMENTS SHALL BE USED FOR THE PURPOSE OF BIDDING, BUILDING DEPARTMENT REVIEW, AND TO SECURE THE NECESSARY CONSTRUCTION PERMIT ONLY.</p> <p>2. BRANCH CIRCUITING AND WIRE COUNT MAY NOT BE INDICATED ON THESE PLANS. CONTRACTOR IS RESPONSIBLE TO COMPLETE THE BRANCH CIRCUIT WIRING IN ACCORDANCE WITH PLAN NOTES AND AS PERMITTED BY AUTHORITY. CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS AS A PART OF RECORD DRAWING SUBMITTAL TO ARCHITECT AND AUTHORITY HAVING JURISDICTION (AHJ).</p> <p>3. ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH BOTH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL ORDINANCES / AMENDMENTS. WHERE CONFLICTS ARISE, THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.</p> <p>4. ALL ELECTRICAL EQUIPMENT SHOWN IS NEW, CONTRACTOR FURNISHED AND INSTALLED, UNLESS OTHERWISE NOTED. IF CONTRACTOR PROPOSES TO SUBSTITUTE SPECIFIC EQUIPMENT SPECIFIED, A REQUEST FOR CONSIDERATION SHALL BE SUBMITTED TO THE OWNER AND ENGINEER PRIOR TO THE BID IN WRITING. ALL SUBSTITUTIONS MUST BE REVIEWED BY THE ENGINEER. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. NO SUBSTITUTIONS SHALL BE IMPLEMENTED WITHOUT THE APPROVAL OF THE ENGINEER OR RECORD. THE CONTRACTOR SHALL BE RESPONSIBLE, AT HIS OWN EXPENSE, FOR ANY CHANGE RESULTING FROM HIS PROPOSED SUBSTITUTIONS WHICH AFFECT OTHER PARTS OF HIS OWN WORK, OR SUBSTITUTIONS WHICH AFFECT THE WORK OF OTHER CONTRACTORS.</p> <p>5. THE ELECTRICAL DRAWINGS, CONDUIT RUNS, WIRING AND ELECTRICAL INFORMATION ARE DIAGRAMMATIC ONLY. DO NOT SCALE THE ELECTRICAL DRAWINGS TO DETERMINE THE EXACT LOCATION OF EQUIPMENT OR OUTLETS. COORDINATE WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.</p> <p>6. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES, CEILING MOUNTED OUTLETS AND EQUIPMENT.</p> <p>7. ALL DEVICE MOUNTING HEIGHTS AND EXACT LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS AND ELEVATIONS PRIOR TO ROUGH-IN.</p> <p>8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY TYPES OF CEILING SYSTEMS LOCATED IN DAMP OR WET LOCATIONS SHALL BE LISTED AND LABELED FOR USE IN SUCH LOCATIONS. CONTRACTOR SHALL PROVIDE ALL REQUIRED TRIMS AND HARDWARE TO ACCOMMODATE CEILING TYPE.</p> <p>9. ALL RECESSED LIGHTING FIXTURES, PANELBOARDS, SWITCHES, ETC., MOUNTED IN FIRE RATED STRUCTURES SHALL BE ENCLOSED WITH AN APPROVED ENCLOSURE CARRYING THE SAME FIRE RATING AS THE STRUCTURE. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS, FLOORS, ETC., TO MAINTAIN THE FIRE RATING. FURNISH AND INSTALL FIRE RATED ENCLOSURE FOR ALL EQUIPMENT PENETRATING INTO FIRE RATED ENVELOPS, SPACES ETC.</p> <p>10. PORTIONS OF THE CEILING SYSTEMS MAY BE INACCESSIBLE, THEREFORE, THE CONTRACTOR SHALL STRATEGICALLY LOCATE ACCESS BOXES, ETC., WHICH SHALL BE READILY ACCESSIBLE. ALL LIGHTING FIXTURE WIRING, BALLASTS, J-BOXES, ETC. SHALL BE ACCESSIBLE FROM FIXTURE OPENING.</p> <p>11. ALL WIRING AND ELECTRICAL EQUIPMENT SERVING MECHANICAL AND PLUMBING EQUIPMENT SHALL BE IN ACCORDANCE WITH MECHANICAL AND PLUMBING SPECIFICATIONS AND ASSOCIATED DRAWINGS. CONTRACTOR SHALL OBTAIN THE REQUIRED MECHANICAL AND PLUMBING DRAWINGS AND PROVIDE ALL EQUIPMENT, RACEWAYS, WIRING, FITTINGS, ETC., AS INDICATED ON CONSTRUCTION DOCUMENTS.</p> <p>12. ALL FINAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT SHALL BE MADE BY THE CONTRACTOR, UNLESS OTHERWISE NOTED. VERIFY ELECTRICAL CHARACTERISTICS AND U.L. LISTING PRIOR TO CONNECTION.</p> <p>13. THE CONTRACTOR SHALL VERIFY THE LOAD AND INPUT VOLTAGE OF ALL PROVIDED EQUIPMENT TO MATCH LOAD INPUT OF ALL EQUIPMENT BEING SUBSTITUTED.</p> <p>14. ELECTRICAL OUTLETS ON OPPOSITE SIDES OF FIRE RATED WALLS AND PARTITIONS MUST BE SEPARATED BY DISTANCE OF 24 IN. HORIZONTALLY, IN ACCORDANCE WITH I.B.C. SEC. 711.3.2. OPENINGS IN FIRE RATED WALLS MUST BE FIRE STOPPED.</p> <p>15. PROVIDE AN ADDITIONAL JUNCTION BOX EXTENSION RING (SIZE AS REQUIRED) WHERE THE NUMBER OF CONDUCTORS EXCEEDS THE MAXIMUM ALLOWED FOR A GIVEN JUNCTION POINT OR OUTLET.</p> <p>16. CONDUCTORS SHALL BE COPPER THHN/THWN 600 VOLT INSULATION UNLESS OTHERWISE NOTED. USE PROPER TEMPERATURE RATINGS OF CONDUCTORS BASED ON THE AMBIENT AIR TEMPERATURE WHERE CONDUCTORS ARE BEING USED. HIGHER AMPACITY CONDUCTOR AND LARGER RACEWAY SHALL BE PROVIDED TO OFFSET THE AMPACITY CORRECTION FACTORS AS INDICATED IN NEC ARTICLE 310 AND ELSEWHERE IN CODE.</p> <p>17. ALL LIGHTING FIXTURES PROVIDED BY PANDA EXPRESS INSTALLED BY GC UNLESS NOTED OTHERWISE.</p> <p>18. DO ALL DRILLING, CUTTING, AND/OR CHANNELING AS REQUIRED FOR ELECTRICAL WORK INDICATED OR HEREIN SPECIFIED. ALL HOLES, CURBS, ETC., IN FLOORS, CEILINGS AND WALLS SHALL BE PATCHED, UNLESS INDICATED OTHERWISE. PAINT ALL EXPOSED ELECTRICAL RACEWAYS, CABINETS, ENCLOSURES AND FITTING TO MATCH IN COLOR TO ADJACENT SURFACES IN FINISHED AREAS. (PROTECT UL LISTINGS LABELS FROM PAINT).</p> <p>19. EMERGENCY LIGHTING SHALL BE PROVIDED PER U.B.C. PROVIDE ADDITIONAL EMERGENCY ILLUMINATION AS REQUIRED BY AUTHORITIES HAVING JURISDICTIONS.</p> <p>20. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA.</p> <table><tr><td>FIXED EQUIPMENT ON GRADE:</td><td>33% OF</td></tr><tr><td>OPERATING WEIGHT</td><td></td></tr><tr><td>FIXED EQUIPMENT ON STRUCTURE:</td><td>50% OF</td></tr><tr><td>OPERATING WEIGHT</td><td></td></tr><tr><td>EMERGENCY POWER AND COMMUNICATION & EQUIPMENT ON GRADE:</td><td>50% OF</td></tr><tr><td>OPERATING WEIGHT</td><td></td></tr><tr><td>EMERGENCY POWER AND COMMUNICATION ON STRUCTURE:</td><td>75% OF</td></tr><tr><td>OPERATING WEIGHT</td><td></td></tr></table> <p>FOR FLEXIBLE MOUNTED EQUIPMENT DOUBLE THE ABOVE VALUES. SIMULTANEOUS VERTICAL FORCE - USE 1/3 HORIZONTAL FORCE. CONDUIT, BUSDUCT, CABLE TRAY, WIREWAYS, ETC., SHALL BE BRACED IN ACCORDANCE WITH "GUIDELINES", PUBLISHED BY SMACNA AND PPIC.</p>		FIXED EQUIPMENT ON GRADE:	33% OF	OPERATING WEIGHT		FIXED EQUIPMENT ON STRUCTURE:	50% OF	OPERATING WEIGHT		EMERGENCY POWER AND COMMUNICATION & EQUIPMENT ON GRADE:	50% OF	OPERATING WEIGHT		EMERGENCY POWER AND COMMUNICATION ON STRUCTURE:	75% OF	OPERATING WEIGHT		<p>MC CABLE SHALL NOT BE USED. PREWIRED MC CABLE WHIPS FROM LIGHTING FIXTURES ARE ACCEPTABLE WHEN SUPPLIED WITH THE FIXTURE AND NO LONGER THAN 72".</p> <p>ELECTRICIAN TO PROVIDE STAINLESS STEEL COVER PLATES FOR ALL LOW VOLTAGE OUTLETS.</p> <p>IF PROVIDED UNDER SLAB ALL UNDERGROUND CONDUIT SHALL BE 12" BELOW FINISHED GRADE.</p>	
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POWER DISTRIBUTION		RECEPTACLES & COMMUNICATIONS OUTLETS		RECEPTACLES & COMMUNICATIONS OUTLETS																	
<p> SINGLE-POLE SWITCH, MANUAL MOTOR STARTER</p> <p> J-BOX (WITH FLEX CONNECTION TO EQUIPMENT.)</p> <p> DISCONNECT SWITCH, WITH RATING AS SHOWN ON PLANS</p> <p> COMBINATION DISCONNECT SWITCH / MOTOR STARTER FURNISHED BY ELECTRICAL CONTRACTOR.</p> <p> BRANCH CIRCUITRY CONCEALED IN WALL OR CEILING WITH ADDITIONAL #12 INSULATED GND. U.N.O. HACHURES INDICATE NUMBER OF CURRENT CARRYING CONDUCTORS. 'X' INDICATES ADDITIONAL INSULATED, ISOLATED GROUND CONDUCTORS.</p> <p> BRANCH CIRCUITRY HOMERUN TO PANEL AS NOTED ON PLANS</p> <p> INDICATES EXTERIOR UNDERGROUND WIRE RUNS.</p>		<p> DUPLEX CONVENIENCE OUTLET, 20A, 125V, MTD @ 18" A.F.F. U.N.O.</p> <p> SIMPLEX CONVENIENCE OUTLET, 20A, 125V, MTD @ 18" A.F.F. U.N.O.</p> <p> ISOLATED GROUND SIMPLEX CONVENIENCE OUTLET (ORANGE), 20A, 125V, MTD @ +18" A.F.F.</p> <p> DUPLEX CONVENIENCE OUTLET MOUNTED 3" ABOVE COUNTERTOP BACKSLASH OR APPROXIMATELY 44" A.F.F.</p> <p> GFCI DUPLEX CONVENIENCE OUTLET, 20A, 125V, 5 mA TRIP, MTD @ 18" A.F.F. U.N.O.</p> <p> GFCI DUPLEX CONVENIENCE OUTLET MOUNTED 3" ABOVE COUNTERTOP BACKSLASH OR APPROXIMATELY 44" A.F.F.</p> <p> TELEPHONE OUTLET. PROVIDE FLUSH J-BOX @ + 18" AFF U.N.O W/ 1" CONDUIT W/ PULL WIRE TO MANAGER'S STATION. 'W' SUBSCRIPT INDICATES WALL PHONE AT 54" AFF.</p> <p> DATA OUTLET. PROVIDE FLUSH J-BOX @ + 18" A.F.F. U.N.O W/ 1" CONDUIT WITH PULL WIRE TO MANAGER'S STATION.</p> <p> COMBINATION TEL/DATA OUTLET. PROVIDE FLUSH J-BOX @ + 18" AFF U.N.O W/ 1" CONDUIT WITH PULL WIRE TO MANAGER'S STATION.</p> <p> T.V. SYSTEM DATA OUTLET. PROVIDE FLUSH J-BOX @ + 18" A.F.F. U.N.O W/ 1" CONDUIT WITH PULL WIRE TO MANAGER'S STATION. WHEN SHOWN ADJACENT RECEPTACLE, MOUNT AT RECEPTACLE HEIGHT. REFER TO RECEPTACLE FOR MOUNTING HEIGHT.</p> <p> SPECIAL PURPOSE RECEPTACLE MTD. @ 18" A.F.F. U.N.O., AMPERAGE AND PHASE AS NOTED ON PLANS, NEMA CONFIGURATION AS REQ'D.</p> <p> ISOLATED GROUND DUPLEX CONVENIENCE OUTLET (ORANGE), 20A, 125V, MTD @ +18" A.F.F.</p> <p> DOUBLE DUPLEX CONVENIENCE OUTLETS UNDER COMMON COVER</p> <p> ISOLATED DOUBLE DUPLEX CONVENIENCE OUTLETS (ORANGE) 20A, 125V.</p> <p> SPEAKER</p>		<p> MANUAL PULL STATION WITH KEYED RESET. MOUNT UNIT AT 44" A.F.F. ALIGN WITH LIGHT SWITCH IF APPLICABLE.</p> <p> XENON STROBE UNIT MOUNTED AT 80" A.F.F. OR 6" BELOW CEILING (WHICHEVER IS LOWER). MUST MEET OR EXCEED A.D.A. REQUIREMENTS.</p> <p> COMBINATION XENON STROBE AND HORN/CHIME UNIT MOUNTED AT 80" A.F.F. OR 6" BELOW CEILING (WHICHEVER IS LOWER). UNIT MUST MEET OR EXCEED A.D.A. REQUIREMENTS.</p> <p> FIRE ALARM CONTROL PANEL. MOUNT TOP OF UNIT AT 72" A.F.F.</p> <p> FIRE ALARM ANNUNCIATION PANEL. MOUNT TOP OF UNIT AT 72" A.F.F.</p> <p> PHOTO ELECTRIC TYPE SMOKE DETECTOR.</p> <p> DUCT MOUNTED PHOTO ELECTRIC SMOKE DETECTOR.</p> <p> RATE OF RISE HEAT DETECTOR.</p>																	
ELECTRICAL SPECIFICATIONS		GENERAL NOTES		ELECTRICAL SYMBOLS																	
NOT TO SCALE		NOT TO SCALE		NOT TO SCALE																	
E-000		E-000		E-000																	

NOTICE
THESE DRAWINGS ARE SUBJECT TO APPROVAL BY THE BUILDING DEPARTMENT, FIRE MARSHAL, UTILITY COMPANY AND OTHER AUTHORITIES HAVING JURISDICTION (AHJ), BY THE ACT OF SUBMITTING A BID PROPOSAL FOR WORK, THE CONTRACTOR INDICATES THAT HE OR SHE HAS REVIEWED THE PLANS THOROUGHLY AND ACCEPTED FULL RESPONSIBILITY OF PLAN CORRECTIONS AND ASSOCIATED CONSTRUCTION COSTS REQUIRED BY AHJ.



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91770
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REVISIONS:

ISSUE DATE:

1st BUILDING PERMIT SET 04-02-21

DRAWN BY: KB

PANDA PROJECT #: S8-22-D8193

PANDA STORE #: -

ARCH PROJECT #: 20044.021



8813 PENROSE LANE, SUITE 400
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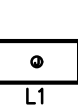

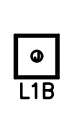



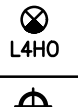

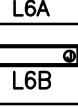
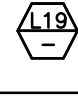
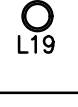



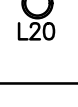

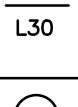
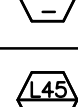

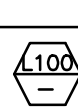
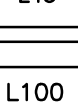


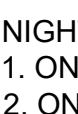
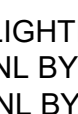
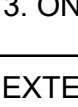
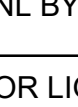

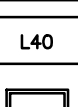
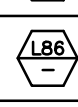


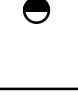

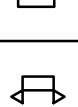


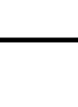
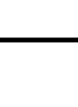




PANDA EXPRESS
TRUE WARM & WELCOME
1485 MAIN ST.
HAMILTON, OH 45013

E-000

ELECTRICAL SYMBOLS
SPECIFICATIONS, NOTES

TRUE WARM & WELCOME 2300 R5

LIGHTING FIXTURE SCHEDULE			PROVIDED FOR INFORMATION ONLY. VERIFY AND INSTALL PER ELECTRICAL DRAWING			01-11-19
ITEM	SYMBOL	DESCRIPTION	QTY.	MFR. & CAT. NO.	REMARK	
INTERIOR LIGHTING ITEM						
		T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 4", 120V BAKED-ON WHITE ENAMEL FINISH.	8	LSI FIXTURE: SFP24-LED-50-UE-DIM-35	KITCHEN CEILING LIGHTS, FURNISHED BY OWNER INSTALLED BY GC	
		T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 2", 120V BAKED-ON WHITE ENAMEL FINISH.	1	LSI FIXTURE: SFP22-LED-30-UE-DIM-35-U	KITCHEN CEILING LIGHTS, FURNISHED BY OWNER INSTALLED BY GC	
		T-BAR CEILING RECESSED MOUNTED LED LIGHTING EMERGENCY FIXTURE, 2' X 4", 120V BAKED-ON WHITE ENAMEL FINISH.	3	LSI FIXTURE: SFP24-LED-50-UE-DIM-EM	EMERGENCY KITCHEN CEILING LIGHTS FURNISHED BY OWNER INSTALLED BY GC	
		UNIVERSAL MOUNT EXIT SIGN, LED LIGHTED, 120/277V WITH BATTERY PACK, 2 FACE, GREEN LETTER	3	EXITRONIX GVEX-U-8P-WB-BL-R6	EXIT SIGN FURNISHED BY OWNER, INSTALLED BY GC	
		HOOD LIGHT	12	FURNISHED & INSTALLED BY EQUIPMENT SUPPLIER	LIGHTS SUPPLIED & PRE-WIRED BY HOOD VENDOR. ELECTRIC CONTRACTOR TO CONNECT MAIN WIRES TO SHUNT TRIP BREAKER AND HOOD CONTROL PANEL	
		WALK-IN COOLER FLUORESCENT LIGHT, 120 V 48"	3	KASON FIXTURE: # 1810LX4000	FURNISHED BY WIC VENDOR, G.R.E. , INSTALLED BY GC	
		DOWN LIGHT, RECESSED IN CEILING	42	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING RL607-750L-DIMTR-120-30K-SN-SN-90+	FURNISHED BY OWNER, INSTALLED BY GC	
		EMERGENCY DOWN LIGHT, RECESSED IN CEILING	6	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING RL607-750L-DIMTR-120-30K-SN-SN-90+	EMERGENCY RECESSED DOWN LIGHT - NORMALLY ON INVERTER UNIT - ISOLITE, IM-12-LC-V1 FURNISHED BY OWNER INSTALLED BY GC	
		3 3/4" ADJUSTABLE MR16 DOWN LIGHT, RECESSED IN CEILING	11	LIGHTLOUER: LYTECASTER-378WHX FRAME-IN KIT: 302MRSPX BULB: MR16 - GE - PRECISE IR 37 WATT 40° BEAM	FURNISHED BY OWNER, INSTALLED BY GC	
		WHITE LED AT SERVICE COUNTER SOFFIT & DINING ROOM PARTIAL HEIGHT WALL	57 L.F.	LUXEM BRIGHT FIXTURE: BLAZE LED	FURNISHED BY OWNER, INSTALLED BY GC	
		12" DIA. DECORATIVE BAYLOR PENDANT LF INCANDESCENT	12	LBL LIGHTING, MODEL # P14610RB BULB: LED EDISON LAMP 1173467	FURNISHED BY OWNER, INSTALLED BY GC WITH FACTORY LABEL READING "MAX 17WATT"	
		12" DIA. DECORATIVE MORILL PENDANT LF INCANDESCENT	5	LBL LIGHTING, MODEL # 6227801-839 BULB: LED EDISON LAMP 1173467	FURNISHED BY OWNER, INSTALLED BY GC WITH FACTORY LABEL READING "MAX 17WATT"	
		MICRO INVERTER	1	ISOLITE #IMI 125	FURNISHED BY OWNER, INSTALLED BY GC	
		SPEAKER	-		FURNISHED BY MUSIC VENDOR, INSTALLED BY MUSIC VENDOR	
NIGHT LIGHTING REQUIREMENTS: "NL" DESIGNATION INDICATED NIGHT LIGHT ON UNSWITCHED CIRCUIT. 1. ONE NL BY SERVICE COUNTER, POS / CASHIER 2. ONE NL BY POS / CASHIER AT DRIVE THRU STATION IF APPLICABLE 3. ONE NL BY EACH EXIT DOORS IN DINNING ROOM & BACK OF HOUSE						
EXTERIOR LIGHTING						
		LINEAR LIGHT AT EXTERIOR STORAGE ROOM	1	COOPER MX-4V72-LD4-6-DR-UNV-L840-CD1-WL-U	FURNISHED BY OWNER, INSTALLED BY GC	
		WALL MOUNTED OVER SERVICE DOOR FIXTURE	1	HOWARD: VL305 30W LED, BRONZE	OVER EXTERIOR SERVICE DOOR. REFER ELEVATIONS FOR HEIGHT FURNISHED BY OWNER, INSTALLED BY GC	
		NAVILITE EMERGENCY LIGHT	2	EXITRONIX MALED1-G-WP	OVER EXTERIOR ENTRANCE & SERVICE DOORS. REFER ELEVATIONS FOR HEIGHT. FURNISHED BY OWNER, INSTALLED BY GC	
		EXTERIOR RECESS EMERGENCY LIGHT	1	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING WET LOCATION: RL607-14W-120-FL-30K-SN-SN -WET LOCATION	EMERGENCY RECESSED DOWN LIGHT - NORMALLY ON INVERTER UNIT - ISOLITE, IM-12-LC-V1 FURNISHED BY OWNER INSTALLED BY GC	
		DECORATIVE LED WALL SCONCE	2	HINKLEY LIGHTING, ATLANTIS, BRONZE; 164982-LED	AT PORTAL OF ENTRY DOOR. REFER ELEVATIONS FOR HEIGHT FURNISHED BY OWNER, INSTALLED BY GC	
		LED MOTION SECURITY FLOODLIGHT	2	LITHONIA LIGHTING QLF 2RH 40K 120V MO BZ	FURNISHED BY OWNER, INSTALLED BY GC	
		DECORATIVE LED WALL SCONCE	4	HINKLEY LIGHTING, KORE, BRONZE; 18726Z-LED	ALONG REAR EIFS BAND FURNISHED BY OWNER, INSTALLED BY GC	

EQUIPMENT SCHEDULE																					11-19-17		
PLUMBING										ELECTRICAL					DESCRIPTION								
FS INDIRECT CONNECTION TO FLOOR SINK										D DIRECT CONNECTION					O OWNER(PANDA EXPRESS, INC.)						S SERVING AREA		
D DIRECT CONNECTION										C CONVENIENT OUTLET					GC GENERAL CONTRACTOR						K KITCHEN		
RIH ROUGH IN HEIGHT (TO CENTER OF CONNECTION)										FSO FLOOR STUB OUT					EC ELECTRICAL CONTRACTOR						(E) EXISTING		
										DC DROPPED CORD					KEC KITCHEN EQUIPMENT COMPANY								
SUPPLY BY	GAS			WASTE		COLD WATER		HOT WATER		CONNECTION	LOAD	PHASE	H.P.	VOLTS	REMARKS	DIMENSIONS	MANUFACTURE	MODEL #	EQUIPMENT	NO.			
	K	BTU	R.I.H.	SIZE	TYPE	SIZE	R.I.H.	SIZE	R.I.H.	SIZE	R.I.H.	TYPE	WATT				W x D x H (ø x H)						
SERVING AREA EQUIPMENT																							
O															SEE DETAIL	SEE PLAN	KEC	CUSTOM	HOT WELLS COUNTER SERVICE	1B			
O															SEE DETAIL	SEE PLAN	KEC	CUSTOM	SNEEZE GUARD	1S2			
O												D	475W	1	120	3 HEATING ELEMENTS	42.375" X 4.25" X 2.375"	GENERAL		43" RADIANT TOP HEATER	1S2B1		
O												D	625W	1	120	4 HEATING ELEMENTS	56.375" X 4.25" X 2.625"	GENERAL		56" RADIANT TOP HEATER (2)	1S2B2		
O												D	475W	1	120	3 HEATING ELEMENTS	42" 1/8"x25"x2 5/8"	GENERAL		43" RADIANT TOP HEATER (2)	1S2S19		
O												D	15A	1	120	SEE DETAIL	SEE PLAN	KEC	CUSTOM	CASHER & BEVERAGE COUNTER	2Q		
O												C	650W	1	120	INDUCTION WARMER	15 3/4" DIA	I/O CONTROLS CORP	ABC-065-14	INDUCTION WELL - 17QT	3F		
O												C	650W	1	120	INDUCTION WARMER	12 1/8" DIA	I/O CONTROLS CORP	ABC-065-10	INDUCTION WELL - 11QT	3F		
O					FS	3/4"						C	9.3A	1	120	W/LID DISPENSER	30"x30"x35"	CORNELIUS	IDC-255	BEVERAGE DISPENSER	4AB		
O												66"	C	7.2A	1	120	ON S/S SHELF	15"x11"x16"	WELBILT	16-2172	BOOSTER	4B	
O																40"x18"	WELBILT	15-2903-P	SODA RACK	4C			
O																ø22"	NuCO2	PER MFG		CO2 TANK	4D		
O												REF ELEV		1	120		CO2METER.com	RAD-0102-6	CO2 MONITOR & DISPLAY	4D-S1			
O																8"x2 3/8"x23 5/8"	3M WATER FILTRATION	BEV190-56164-01	WATER FILTER	4F			
O					FS	1/2"										34"x17"x6 1/2"	KEC	CUSTOM		36" COLD PAN	5C		
O												24"				SEE PLAN	KEC	CUSTOM		HOT WELLS COUNTER - DRIVE THRU	6F		
O												24"				SEE PLAN	KEC	CUSTOM		CASHER & BEVERAGE COUNTER-DT	9B		
O												24"	C	14.8A	1	120	NEMA 5 PLUG	11" X 22" X 34"	BUNN	TB3	ICED TEA BREWER (2)	9D	
O												84"	C	1.1A	1	120	----	22" X 14" X 26.5"	MANITOWOC	IB-0884YC	800 LBS. ICE MACHINE	10J	
O												D	11.8A	1	208/230	ON ROOF	34" X 24.13" X 25.75"	MANITOWOC	OID-0675	REMOTE CONDENSER	10J-S1		
O														1			ABOVE ICE MACHINE	24"x 17.5"x 21.5"	MANITOWOC	D420	STORAGE BIN	10L-S1	
KITCHEN EQUIPMENT																							
O	450	10"	1-1/2"	FS	2"	10"	1/2"								SEE DETAIL	93"x42"	KEC	CUSTOM	93" CHINESE RANGE (L)	20A			
O	190	10"	1"	FS	2"	10"	1/2"								SEE DETAIL	42"x42"	KEC	CUSTOM	42" CHINESE RANGE	20Q			
O	122 EA	14"	1 1/2"									24"	C	-	1	120		47"x31-1/2"x51-5/8"	FRYMASTER	MJ45-FPP345G	FRYER	21B	
O	34.6	10" & 30"	3/4"									36"	DC	25A	3	208V		36"x27 1/8"x15 1/2"	STAR	536TGF	STAR ELECTRICAL GRILL	23B	
O												24"	C	14.8A	1	120	NEMA 5	19.9"x34.5"x41.3"	WINSTON	HMA005	RICE HOLDING CABINET	24H	
O												24"	C	8A	1	1/2	115	NEMA 5-15P	24"x19"x17"	PANTIN	GC-6100(N)	RICE COOKER	25A
O												130"	D	20 AMPS	1	1.5	120/208	60 1/4"x30"x30 5/8"	TURBO AIR	MUF-60-N-PE	60" WORKTOP FREEZER	30L	
O					FS	3/4"										SEE PLAN	KEC	CUSTOM		WALK-IN COOLER UNIT	31-S		
O												130"	D	3120w/2	1	1.5	208		SEE PLAN	KEC	CUSTOM	WALK-IN COOLER COND.	31-S
O					FS	3/4"										SEE PLAN	KEC	CUSTOM		WALK-IN FREEZER	32		
O																SEE PLAN	KEC	CUSTOM		WALK-IN FREEZER COND.	32-S1		
O												D/ID				SEE PLAN	KEC	CUSTOM		W.I.F. LTG. DOOR HEATER	32-S7		
O												24"	C	9A	1	1/3	120	SELF CONTAINED	48"x33"x35"	RANDELL	9030K-7	48" REF. PREP. TABLE	34D
O												24"	C	12A	1	1/2	120	SELF CONTAINED	84"x33"x35"	TURBO AIR	TST-2400-D4-R-N	84" REF. PREP. TABLE	34Q
O					FS	2"	14"	3/4"	14"	3/4"							100"x30"	KEC	CUSTOM-(PS-100L)	POT SINK	41A		
O					FS	2"	14"	3/4"	14"	3/4"							42"x30"	KEC	CUSTOM-(VS-42)	42" VEGETABLE SINK (R)	41B		
O					FS	2"	14"	3/4"	14"	3/4"							42"x30"	KEC	CUSTOM-(VS-42)	42" VEGETABLE SINK (L)	41C		
O												18GA POLISHED (WALL MTD. Ø 59" A.F.F.)				SEE PLAN	PANDA WAREHOUSE	CUSTOM (NSF)	12'D S.S. WALL MTD. SHELF	43A			
O												18GA POLISHED (WALL MTD. Ø 71" A.F.F.)				SEE PLAN	PANDA WAREHOUSE	CUSTOM (NSF)	18'D S.S. WALL MTD. SHELF	43B			
O												4 SHELVES MTD. Ø 8" A.F.F., 26" A.F.F., 54" A.F.F., 72" A.F.F.				SEE PLAN	GOLD BOND	ISS	18'D WIRE SHELVES	44A			
O												UNDER CABINET SHELVES WITH CASTER MTD. Ø 8" A.F.F., 20" A.F.F.				SEE PLAN	GOLD BOND	ISS	SHORT 18'D WIRE SHELVES	44A-U			
O												4 SHELVES MTD. Ø 36" A.F.F., 48" A.F.F., 60" A.F.F., 72" A.F.F.				SEE PLAN	GOLD BOND	ISS	24'D WIRE SHELVES	44C			
O												UNDER CABINET SHELVES MTD. Ø 8" A.F.F., 14" A.F.F.				SEE PLAN	GOLD BOND	ISS	SHORT 24'D WIRE SHELVES	44C-U			
O																24"x 30" x 24"	KEC	CUSTOM	S.S. RICE COOKER STAND	46A			
O																22"x 20" x 34.06"	KEC	CUSTOM	RICE WARMER STAND	46B			
O																36 1/2"x 33" x 28"	KEC	CUSTOM	S.S. GRILL STAND	46K			
O																18 5/8"x 33" x 28"	KEC	CUSTOM	STAND	46N			
O												50"	C	10A	1	1	120	9 15/16"x19-11/16"x19-3/4"	ELECTROLUX	OTO-TR524	FOOD PROCESSOR	53	
SMALL EQUIPMENT																							
O															W/TOWEL & SOAP	14 1/4"x18 1/2"	GSW	WELBON	HS-1615NPASS	HAND SINK	45A		
O												24"	C	105W	1	120	17" Ø		WRS-1088BS	RICE WARMER	54A		
O												84"	DC	1800W	1	208			R-CD1800M	MICROWAVE	55A		
BY G.C.																			AS REQUIRED BY LOCAL FIRE DEPT., CHECK LOCATION WITH PROJECT MANAGER	FIRE EXTINGUISHER	56		
O																SEE DETAIL	SAN-JAMAR	SANJ7500TBK	PAPER TOWEL DISPENSER	60D			
O																WALL MOUNT	12"x20"x77"	GSW	5-DOOR	LOCKER (2)	61B		
O																	20"x20"x23"	TIDEL	CUSTOM	SMART SAFE	62B		
POS EQUIPMENT																							
O															SEE ELEV. ON E-200	48" X 28" X 42"	KEC	CUSTOM		MANAGER STATION	49A		
O												REF ELEV C	100W	1	120	SEE DETAIL		DELL OPTIMPLEX	Xe2	COMPUTER	83A		
O												REF ELEV C	50W	1	120	SEE PLAN		BROTHER	MFC-LC2700DW	POS PRINTERS	86A		
O												REF ELEV C	50W	1	120			BROTHER	MFC-LC2700DW	FAX	87		
O												REF ELEV C	500W	1	120	CUSTOM	11 1/4"x14 1/2"x9"	RESNOS	S 460	CASH REGISTER SYSTEM	94		
MEP EQUIPMENT																							
O															SEE MECH. DWG.	SEE PLAN	CAPTIVE AIR	CUSTOM		EXHAUST HOOD	M1		
O															SEE MECH. DWG.	SEE PLAN	CAPTIVE AIR	CUSTOM		HOOD CONTROL PANEL	M4		
O															SEE MECH. DWG.	SEE PLAN	CAPTIVE AIR	CUSTOM		FIRE SUPPRESSION SYSTEM	M5		
BY G.C.															SEE MECH/ELEC DWG	SEE PLAN				RECESSED ANSUL PULL BOX	M6		
O												90"	D	5.1A	1	1/2	115	SEE MECH/ELEC DWG	42" X 10 5/8"	MARS	STD242-1U	BACK DOOR AIR CURTAIN	M8A
BY G.C.												24"	D	20A	1	120	SEE ELEC. DWG	25"x 9" X 10 3/8"	QUIK-SERV	CF-25 NON-HEATED	DT WINDOW AIR CURTAIN	M9A	
BY G.C.												24"	D	20A	1	120 & 208	SEE ELEC. DWG	25"x 9" X 14 3/8"	QUIK-SERV	CHF-25 HEATED	REGIONAL APPLICATION EITHER OR, NOT BOTH		
BY G.C.												24"	D	30A	1		SEE ELEC. DWG	41.5"x 59.5"	QUIK-SERV	SST-4880E	DT WINDOW	M10	
BY G.C.																	FLOOR TYPE	24" X 24" X 13"	S2424FM		STAINLESS STEEL MOP SINK	P1	
O												84"	C	8A	1	120	SEE PLUMBING DWG	39" X 29.75" X 13"	RINNAI	MTO-00247	GAS TANKLESS WATER HTR.	P3 (2)	
O												REF ELEV C	50W	1	120	SEE ELEV. ON E-200	SEE PLAN	HYPERACTIVE		HYPERACTIVE TIMER SYS.	94-1A		
O												REF ELEV C	50W	1	120	SEE PLAN	15" X 13"	DELL (17" COLOR)		LCD MONITOR-MANAGER	94-216		
O												REF ELEV C	50W	1	120	SEE ELEV. ON E-200	SEE PLAN	HME		HME INTERCOM SYS.	94-31		
O												REF ELEV C	60W	1	120	SEE PLAN	15"	POSIFLEX	KST215	LCD DT MONITOR	94-4W		
O												REF ELEV C	50W	1	120	SEE PLAN	SEE PLAN	TOSHIBA (TIME LAPSE)		SECURITY VCR	95-4-S2		
O												98"	C	50W	1	120	SEE ELEC. DWG	15" X 13"	DELL (17" COLOR)		SECURITY MONITORS	95-4-S33	
O												REF ELEV C	100W	1	120	SEE PLAN	SEE PLAN			MUSIC EQUIPMENT	95-5		
BY E.C.																SEE ELEC. DWG				ELECTRICAL PANEL	E7		
SIGNAGE																							
O																REF. INT. ELEV'S	LSI	CUSTOM		MENU BOARD	D2b		
O																BF-POWER COAT "OF125 SILVER"	FAD	-		COMMUNITY BOARD	D3b		
O												REF ELEV C	130W	1	120	DEDICATED CIRCUIT	48.9" X 28.1" X 1.3"	LG	59WS06S-8	LCD DISPLAY MONITOR	96-3B		
FURNITURE																							
O															SEE PLAN			RICHFIELD	STRAIGHT-BF	SERVICE COUNTER	F1d		
O															SEE PLAN			RICHFIELD	RIGHT TETON BEIGE	BEVERAGE COUNTER	F2C		

The logo for Panda Express Chinese Kitchen is a circular emblem. It features a stylized black and white panda in the center, facing forward. The words "PANDA EXPRESS" are written in a bold, sans-serif font along the top inner edge of the circle, and "CHINESE KITCHEN" is written along the bottom inner edge. Two small dots separate the top and bottom text on the left and right sides.

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PANDA PROJECT #: S8-22-D8193

ARCH PROJECT #: 20044.021



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E-001

ELECTRICAL SCHEDULES

TRUE WARM & WELCOME 2300 R5



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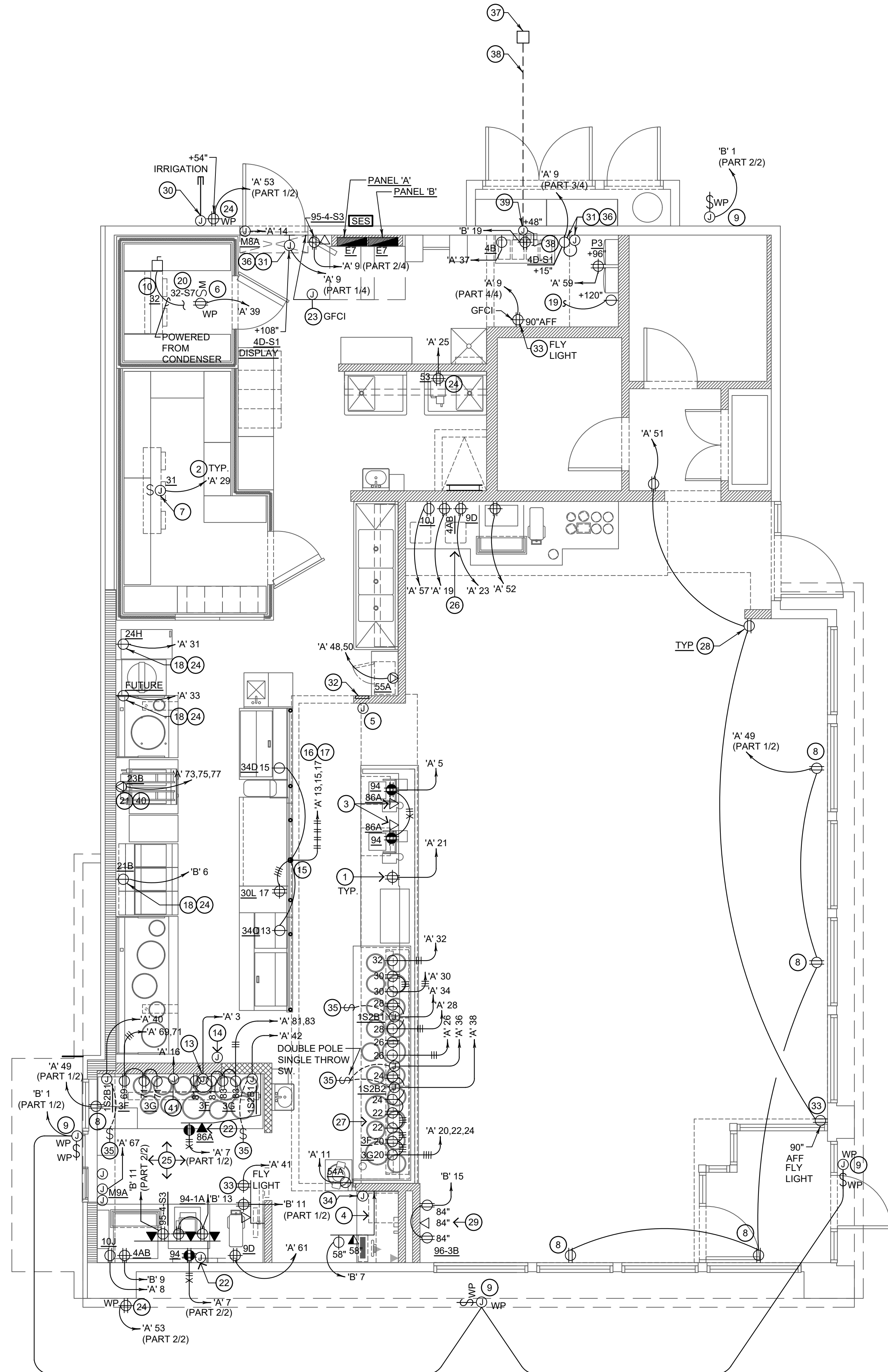
E-100

POWER FLOOR PLAN

TRUE WARM & WELCOME 2300 R5

- ALL CIRCUITRY/CONDUIT FOR FRONT LINE EQUIPMENT TO BE ROUTED IN CASEWORK TO J-BOX IN WALL AND CONCEALED IN WALL.
- NOT USED.
- PROVIDE (2) 1-1/2" CONDUITS WITH PULL STRINGS FROM CASH REGISTER TO MANAGER STATION. SEE P.O.S. AND SERVICE LINE ELEVATIONS, 3/E-200.
- SEE 'MANAGER STATION ELEVATION' 1/E-200 FOR ADDITIONAL OUTLETS AND J-BOXES.
- ANSUL PULL STATION. REFER TO DETAIL 2/E-400.
- REFER TO LIGHTING AND DOOR HEATER' WIRING DIAGRAM 10/E-400.
- REFER TO 'COOLER EVAPORATOR COIL' WIRING DIAGRAM 8/E-400.
- SHOW WINDOW RECEPTACLE SHALL BE CONTROLLED VIA SWITCH "b". REFER TO LIGHTING SWITCH BANK SCHEDULE 4/E101. RECEPTACLE SHALL BE MOUNTED IN WALL AS CLOSE TO TOP OF STRUCTURAL HEADER AS POSSIBLE.
- BUILDING SIGNAGE/LOGO DEDICATED/PROPOSED W.P. J-BOX. COORDINATE LOCATION WITH ARCHITECT / OWNER / SIGN PACKAGE PROVIDER PRIOR TO ROUGH-IN. SIGN DISCONNECT PROVIDED BY SIGN CONTRACTOR. INSTALL PER NEC 600.
- REFER TO 'FREEZER EVAPORATOR COIL' WIRING DIAGRAM, 9/E-400. THE EVAPORATOR UNIT IS POWERED FROM THE CIRCUIT SERVING REMOTE CONDENSER UNIT VIA DISCONNECT CONNECTION. HEAT TAPE PROVIDED AND INSTALLED BY ELECTRICIAN.
- NOT USED.
- NOT USED.
- HOOD CONTROL PANEL/ANSUL SYSTEM CABINET. MOUNT CABINET DIRECTLY BELOW T-BAR CEILING.
- PROVIDE 2-GANG J-BOX @ 48" AFF FOR HOOD CONTROL SWITCHES. REFER TO M-400 AND M-401.
- 1" CONDUIT STUB UP LOCATION IN STAINLESS STEEL POWER PANEL FOR ISLAND KITCHEN EQUIPMENT CONNECTION. REFER TO DETAIL 2/A-109. COORDINATE LOCATION WITH ARCHITECT / OWNER.
- ROUTE CABLING / CIRCUITRY THROUGH 1" CONDUIT IN SLAB.
- UTILIZE SEAL TIGHT CONDUIT FOR ALL WIRING INCLUDED ALONG LOW WALL PANEL.
- ALL DEVICES UNDER HOOD TO BE PROVIDED AND INSTALLED WITH GROUND FAULT CIRCUIT BREAKER AND WATERPROOFING BOX (RED DOT #CKSUV). REFER TO COOKLINE ELECTRICAL ELEVATIONS, 6/E-200. ROUTE HOMERUN THROUGH CONTRACTOR INTERFACED WITH THE HOOD FIRE SUPPRESSION SYSTEM. REFERENCE 13/E-400 FOR ADDITIONAL INFORMATION.
- SIMPLEX RECEPTACLE TO BE CONNECTED TO BACK-OF-HOUSE LIGHTING CIRCUITRY/CONTROL. CONTRACTOR TO PROVIDE PIGTAIL FROM CIRCULATION PUMP.
- PROVIDE WEATHERPROOF RECEPTACLE FOR HEAT TAPE. COORDINATE FINAL LOCATION WITH REFRIGERATION INSTALLER.
- ELECTRIC GRILL '23B'. FEED WITH 3 #8, #10 GROUND, 3/4" CONDUIT. REFER TO 4/E-200.
- SEE DRIVE THRU ELEVATION 2/E-200 FOR CONDUIT SIZES AND CONFIGURATIONS.
- FURNISH AND INSTALL (1) HUBBELL GFSTBF20 FACELESS GFCI (OR EQUIVALENT) FOR GRILL 23B. FASTEN A PLASTIC LABEL STATING CIRCUIT AND EQUIPMENT SERVED. REFER TO DETAIL 9/E-200 FOR MOUNTING LOCATION.
- PROVIDE WATERPROOFING, COVER, IN-USE RED DOT (#CKSUV).
- FOR DRIVE-THRU ELEVATIONS REFER TO DETAIL 2/E-200.
- FOR DRINK STATION ELEVATIONS REFER TO DETAIL 5/E-200.
- FOR SERVICE LINE ELEVATIONS REFER TO DETAIL 3/E-200.
- FOR DEVICE / RECEPTACLE SCHEDULE REFER TO DETAIL 3/E400.
- FOR DINING ROOM MONITOR ELEVATION REFER TO DETAIL 8/E-200.
- PROVIDE AND INSTALL 3/4" CONDUIT AND PULL STRING FROM CLOSEST LANDSCAPE AREA, THROUGH WALL UP TO EMPTY FLUSH MOUNTED JUNCTION BOX @ 54" A.F.F. (FOR IRRIGATION CONTROLS). CLOSE OFF CONDUIT IN LANDSCAPE AREA WITH REMOVABLE CAP. UTILIZE WP CIRCUIT A-53 NEAR ENTRY POINT.
- FOR LOCATION/INSTALLATION OF C02 MONITOR, REFER TO DETAIL 9/E-200.
- FOR SWITCH BANK ELEVATION REFER TO DETAIL 7/E-200.
- FLY LIGHT RECEPTACLE SHALL BE INSTALLED WITH A RECESSED CLOCK OUTLET. TYPICAL OF ALL LOCATIONS.
- FOR SECURITY KEY PAD ELEVATION REFER TO DETAIL 1/E200.
- CONNECT HEAT LAMPS TO COUNTER-MOUNTED SWITCH PROVIDED AND INSTALLED BY CONTRACTOR. COORDINATE EXACT LOCATION WITH KITCHEN EQUIPMENT PROVIDER.
- PANDA EXPRESS TO PROVIDE C02 MONITOR, E.C. TO MOUNT OVER J-BOX WITH WIRING THROUGH WALL CONDUIT FOR CLEAN INSTALLATION. PROVIDE ALL OTHER REQUIRED CONNECTIONS AND COMPONENTS FOR FULLY WORKING SYSTEM.
- PROVIDE IN-GRADE QUAZITE 8"x8" PC STYLE POLYMER CONCRETE BOX OR EQUAL FOR UNDERGROUND CABLE REQUIRED FOR THE STORE. PART NO. PC081XXXXX OR SIMILAR. REFER TO ELECTRICAL SITE PLAN 1/E105.
- PROVIDE 1" CONDUIT FOR CABLE DEDICATED FOR ENTIRE STORE FROM IN-GRADE 8X8 QUAZITE BOX TO EXTERIOR CLOSET 6X6 FLUSH MOUNTED JUNCTION BOX. TERMINATE INTERIOR ABOVE CEILING.
- PROVIDE FLUSH MOUNTED NEMA 1 6X6 JUNCTION/PULL BOX AT +48" - HUBBELL OR EQUAL. ROUTE CABLE FROM EXTERIOR 6X6 IN 1" CONDUIT THROUGH BUILDING. TERMINATE INTERIOR ABOVE CEILING.
- PROVIDE NORTH SHORE SAFETY 30AMP 3 PHASE GFCI DEVICE (OR EQUAL) IN-LINE WITH 23B ELECTRIC GRILL.
- FIRE SUPPRESSION SHUTDOWN CONTACTOR LOCATED ABOVE CEILING, REFER TO DETAIL 13/E-400.

- VERIFY QUANTITIES AND REQUIREMENTS OF ALL HVAC & KITCHEN EQUIPMENT PRIOR TO ROUGH IN.
- ALL TELEPHONE/DATA/TV CABLES AND WIRES, AND TERMINATIONS OF ALL REQUIRED CABLE AND JACKS WILL BE INSTALLED BY THIRD PARTY.
- POWER SUPPLY FOR COMPUTER AND CASH REGISTER (86A & 94) SHALL BE ON THE SAME CIRCUIT BREAKER, W/ISOLATED GROUND & ORANGE RECEPTACLE.
- ALL CIRCUITRY SHOWN WITHOUT TICKS SHALL HAVE (2) WIRES PLUS EQUIPMENT GROUNDING CONDUCTOR.
- WHEN WORKING IN JURISDICTIONS WHICH HAVE ADOPTED THE 2017 NEC OR LATER, ALL MULTI-WIRE BRANCH CIRCUITS SHALL HAVE SEPARATE NEUTRALS TO MEET THE REQUIREMENTS OF 2017 NEC 210.4(B).
- TRANSFORMERS SHALL BE MOUNTED ABOVE CEILING BELOW TRUSSES WITH LOW VOLTAGE WIRING FEEDING TO ALL EXTERIOR LIGHTS.
- ALL UNDERGROUND CONDUIT SHALL BE 12" BELOW F.F.



	POWER PLAN GENERAL NOTES	2
	NOT TO SCALE	E-100

	POWER FLOOR PLAN	1
	Scale: 1/4"=1'-0"	E-100



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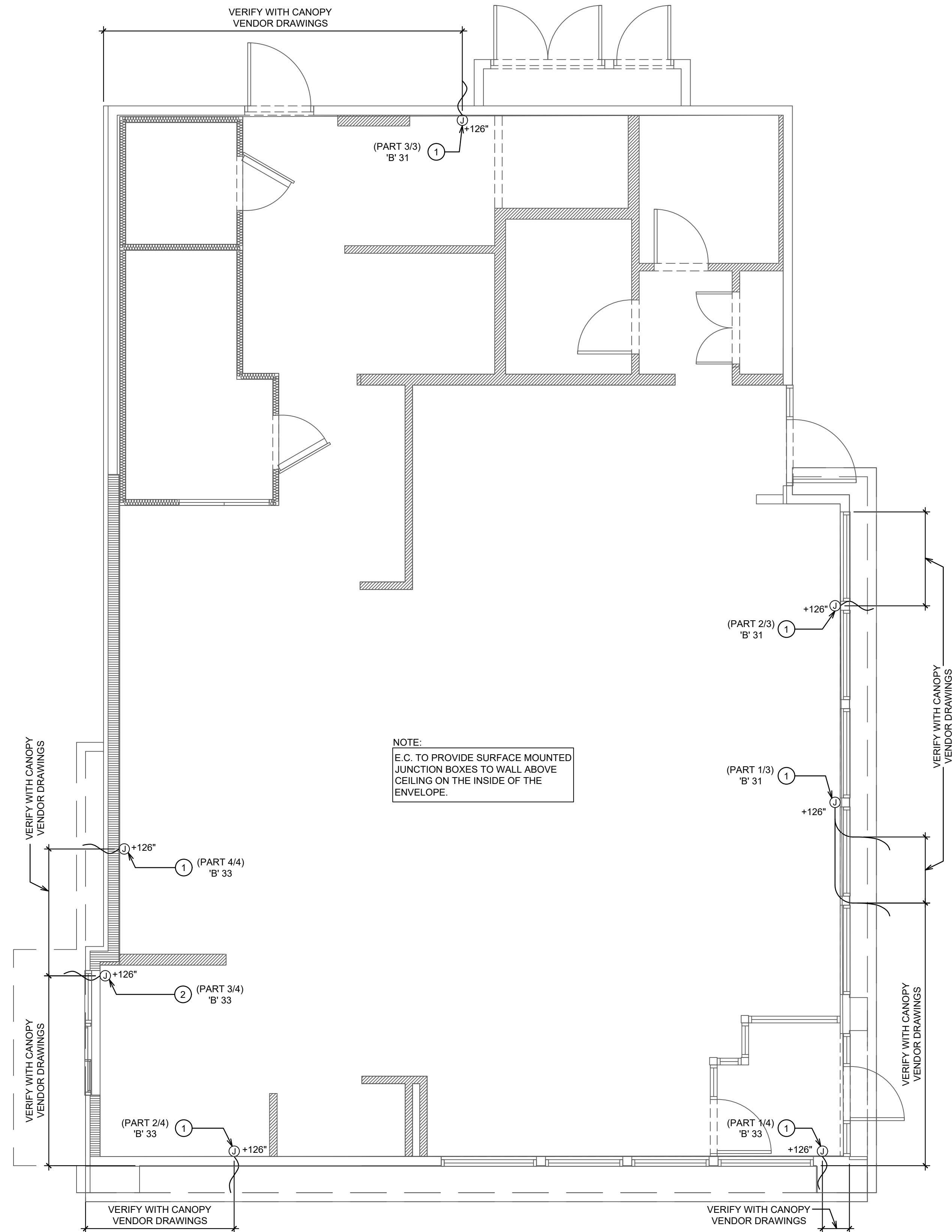
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E-101.1
CANOPY LIGHTING PLAN
TRUE WARM & WELCOME 2300 R5



ALL JUNCTION BOXES ON THIS SHEET TO BE RECESS MOUNTED.		
CANOPY LIGHTING GENERAL NOTES		3
	NOT TO SCALE	E-101.1
1. E.C. TO PROVIDE J-BOX WITH 3' WHIP FOR CONNECTION TO PANDA EXPRESS PROVIDED LIGHTED CANOPY. E.C. TO MAKE FINAL CONNECTION.		
2. E.C. TO PROVIDE J-BOX WITH 3' WHIP FOR CONNECTION TO PANDA EXPRESS PROVIDED LIGHTED DRIVE THRU CANOPY. E.C. TO MAKE FINAL CONNECTION.		
3. ALL JUNCTION BOXES ON THIS SHEET TO BE RECESS MOUNTED.		
# CANOPY LIGHTING KEYED NOTES		2
	NOT TO SCALE	E-101.1

CANOPY LIGHTING PLAN 1
Scale: 1/4"=1'-0" E-101.1



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E-101

LIGHTING FLOOR PLAN

TRUE WARM & WELCOME 2300 R5

- SWITCHBANK 'A'. REFER TO SCHEDULE 4/E-101.
- ROUTE HOMERUN THROUGH LIGHTING SWITCHBANK 'A' (SWITCHES AS NOTED IN LOWER CASE). REFER TO SCHEDULE 4/E-101 FOR MORE INFORMATION.
- ROUTE THROUGH CONTACTS IN HOOD CONTROL PANEL 'M4' FOR CIRCUIT POWER. REFER TO 3/E-401.
- PROVIDE SEPARATE UNSWITCHED HOT CONDUCTOR (SAME CIRCUIT, NOT CONTROLLED BY SWITCH IN SWITCHBANK) TO LOCALLY SWITCHED FIXTURES AND EMERGENCY FIXTURE BATTERY TRIGGER LEADS.
- DUPLEX RECEPTACLE FOR LED ROPE. INSTALL ABOVE CEILING AT +128". REFER TO 8&9/A-402 FOR MORE INFORMATION.
- WALK-IN COOLER LIGHT FIXTURES AND PILOT LIGHT SWITCH PROVIDED WITH COOLER INSTALLED BY E.C. REFER TO 'COOLER EVAPORATOR COIL' WIRING DIAGRAM, 8/E-400.
- WALK-IN FREEZER LIGHT FIXTURE AND PILOT LIGHT SWITCH PROVIDED WITH FREEZER INSTALLED BY E.C. REFER TO 'FREEZER LTG AND DOOR HEATER WIRING DIAGRAM', 10/E-400.
- NOT USED.
- FIXTURES IN THIS ROOM SHALL BE LOCALLY SWITCHED.
- LIGHTING INVERTER FOR EMERGENCY LIGHTING TO BE MOUNTED TO BULKHEAD. RE: 9/E200.
- LED TRANSFORMER FOR LED ROPE LIGHTING LOCATION, MOUNT ABOVE CEILING.
- DUPLEX RECEPTACLE FOR LED ROPE. INSTALL ABOVE CEILING AT +150".
- PROVIDE JUNCTION BOX ABOVE CEILING FOR THE BZ-150 UNIVERSAL POWER PACK REQUIRED FOR EXTERIOR MOTION CONTROL LED FIXTURES. PROVIDE LOW VOLTAGE CONNECTIONS AS REQUIRED TO LIGHTSAVER LS-102 SWITCHING PHOTOSENSOR SO THAT WHEN STORE OPERATIONS ARE OFF, THIS EXTERIOR SECURITY LIGHT IS ACTIVATED BY EXTERIOR MOTION ONLY. VERIFY WITH MANUFACTURER'S RECOMMENDATIONS FOR WIRING DIAGRAM. VERIFY LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
- PROVIDE WALL MOUNTED JUNCTION BOX AT +142" FOR INSTALLATION OF LIGHTSAVER LS-102 SWITCHING PHOTOSENSOR FOR EXTERIOR MOTION CONTROL SECURITY FIXTURES (TYP OF 2 LOCATIONS). SCHEDULE TIMES OF CONTROL SO THAT WHEN STORE OPERATIONS ARE OFF INTERIOR LIGHTS GO OFF AND THE EXTERIOR MOTION LIGHTS ARE ACTIVATED WITH ANY MOTION DETECTED AFTER STORE HOURS. REFER TO MANUFACTURER'S PUBLISHED RECOMMENDATIONS FOR WIRING DIAGRAM. VERIFY LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
- ROUTE HOMERUN THROUGH LIGHTING SWITCHBANK 'A' (SWITCH AS NOTED IN LOWER CASE). REFER TO SCHEDULE, SHEET 4/E-101, FOR MORE INFORMATION.
- CONNECT TO VEGETABLE DISPLAY LIGHTING PROVIDED WITH WALK-IN COOLER.
- PROVIDE SEALS AND EXPANSION COUPLINGS ON ALL CONDUITS ENTERING OR LEAVING AREA OF TEMPERATURE DIFFERENCE. REFER TO WIRING NOTES 6/E-400 FOR ADDITIONAL INFORMATION.

- CONTRACTOR SHALL PROVIDE ALL REQUIRED HARDWARE, BRACKETS, ETC. FOR A COMPLETE FUNCTIONING LIGHTING FIXTURE INSTALLATION.
- FIXTURES THAT ARE TO BE ROUTED VIA TIMECLOCKS ARE SHOWN ON DETAIL 11/E400. SEQUENCE OF OPERATION: TIMECLOCKS WIRED FIRST FOR DESIGNATED CONTROL. SWITCHES ARE SERIES WIRED WITH THE CONTACTORS. UTILIZE DIGITAL OVERRIDE-TIMER SWITCH (DOTS) TO OVER-RIDE THE TIMECLOCKS FOR CLEANING AND AFTER HOURS AS NEEDED. SEE DETAIL 11/E400
- ALL LIGHTING FIXTURES SHALL BE SUPPORTED PER N.E.C. 410-16(C). SEE DETAIL, 4/E400.
- CONTRACTOR SHALL INSTALL ALL LIGHTING FIXTURES INCLUDING OWNER-FURNISHED FIXTURES.
- ALL LIGHTING FIXTURE POWER SUPPLIES SHALL BE U.L. LISTED.
- E.C. SHALL INSTALL OWNER SUPPLIED LED STRIP LIGHTING & CUT TO PROPER LENGTH. COORDINATE WITH OWNER FOR EXACT LENGTHS AND FINAL LOCATIONS.
- WHEN WORKING IN JURISDICTIONS WHICH HAVE ADOPTED THE 2008 NEC OR LATER, ALL MULTI-WIRE BRANCH CIRCUITS TO HAVE SEPARATE NEUTRALS TO MEET THE REQUIREMENTS OF 2008 NEC 210.4(B).
- ALL CIRCUITRY SHOWN WITHOUT TICKS SHALL HAVE (2) WIRES PLUS EQUIPMENT GROUNDING CONDUCTOR.
- 'N.L.' DESIGNATION INDICATES NIGHT LIGHT ON UN-SWITCHED CIRCUIT.

LIGHTING GENERAL NOTES

2

NOT TO SCALE

E-101

LIGHTING KEYED NOTES

3

NOT TO SCALE

E-101

NOTE:
FIXTURES TO BE ROUTED VIA TIME TIMECLOCKS ARE SHOWN ON
DETAIL 11/E400.

NOTE:
CONTRACTOR TO INSTALL (2) 5 GANG SWITCH BOXES AS SHOWN
BELOW. DO NOT INSTALL SEPERATE/INDIVIDUAL BOXES FOR EACH
SWITCH

(a)	(b)	(c)	(d)	(e)
\$	\$	\$	\$	\$
BACK OF HOUSE LTG & EX. FAN & RECIRC PUMP	SHOW WINDOW RECEPS	WALK-IN, MENU LED ACCENTS	SERVING LINE SOFFIT	DINING PENDANTS
(f)	(g)	(h)	(i)	60:00
\$	\$	\$	\$	
INTERIOR DINING	BEV. COUNTER	DAYLIGHT HARVEST	SPARE	INTERIOR LIGHTING SHUT DOWN OVERRIDE

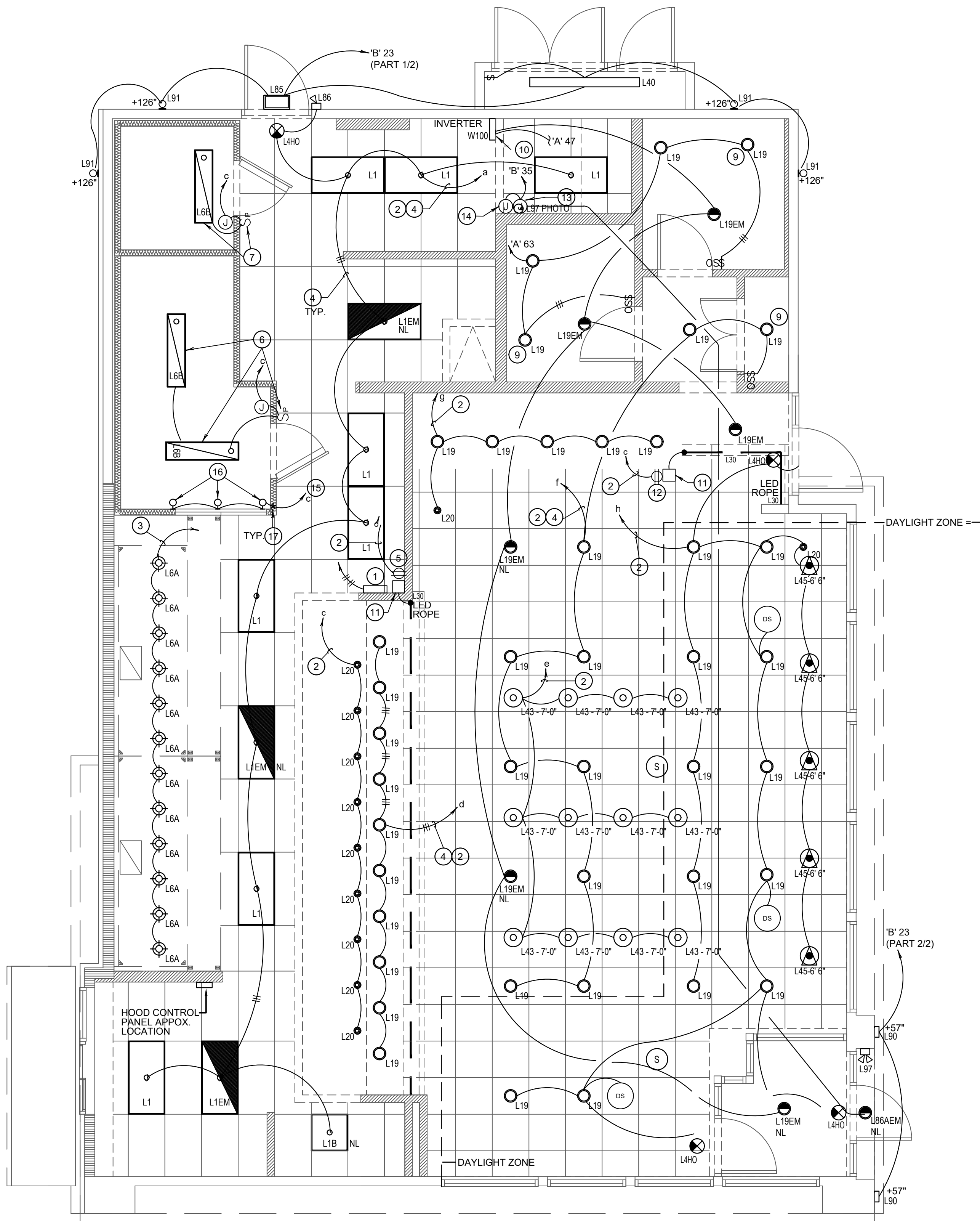
SWITCHBANK SCHEDULE 'A'				
TAG	SWITCH TYPE	AREA SERVED / SWITCH LABEL	CIRCUIT	LOAD
a	TOGGLE SWITCH	BACK-OF-HOUSE / RR FANS	'A' 45	530 VA
b	TOGGLE SWITCH	SHOW WINDOW RECEP	'A' 49	720 VA
c	TOGGLE SWITCH	WALK-INS, MENU, LED ACCENTS	'A' 1	275 VA
d	TOGGLE SWITCH	SERVING LINE SOFFIT	'A' 45	140 VA
e	TOGGLE SWITCH	DINING PENDANTS	'A' 47	24 VA
f	TOGGLE SWITCH	INTERIOR DINING	'A' 47	118 VA
g	TOGGLE SWITCH	BEVERAGE COUNTER	'A' 47	16 VA
h	TOGGLE SWITCH	DAYLIGHT HARVESTING ZONE	'A' 47	219 VA
i	SPARE			
j	SPARE			

INTERIOR / EXTERIOR LTG CONTACTORS SCHEDULE

4

NOT TO SCALE

E-101



LIGHTING FLOOR PLAN

1

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

E-101



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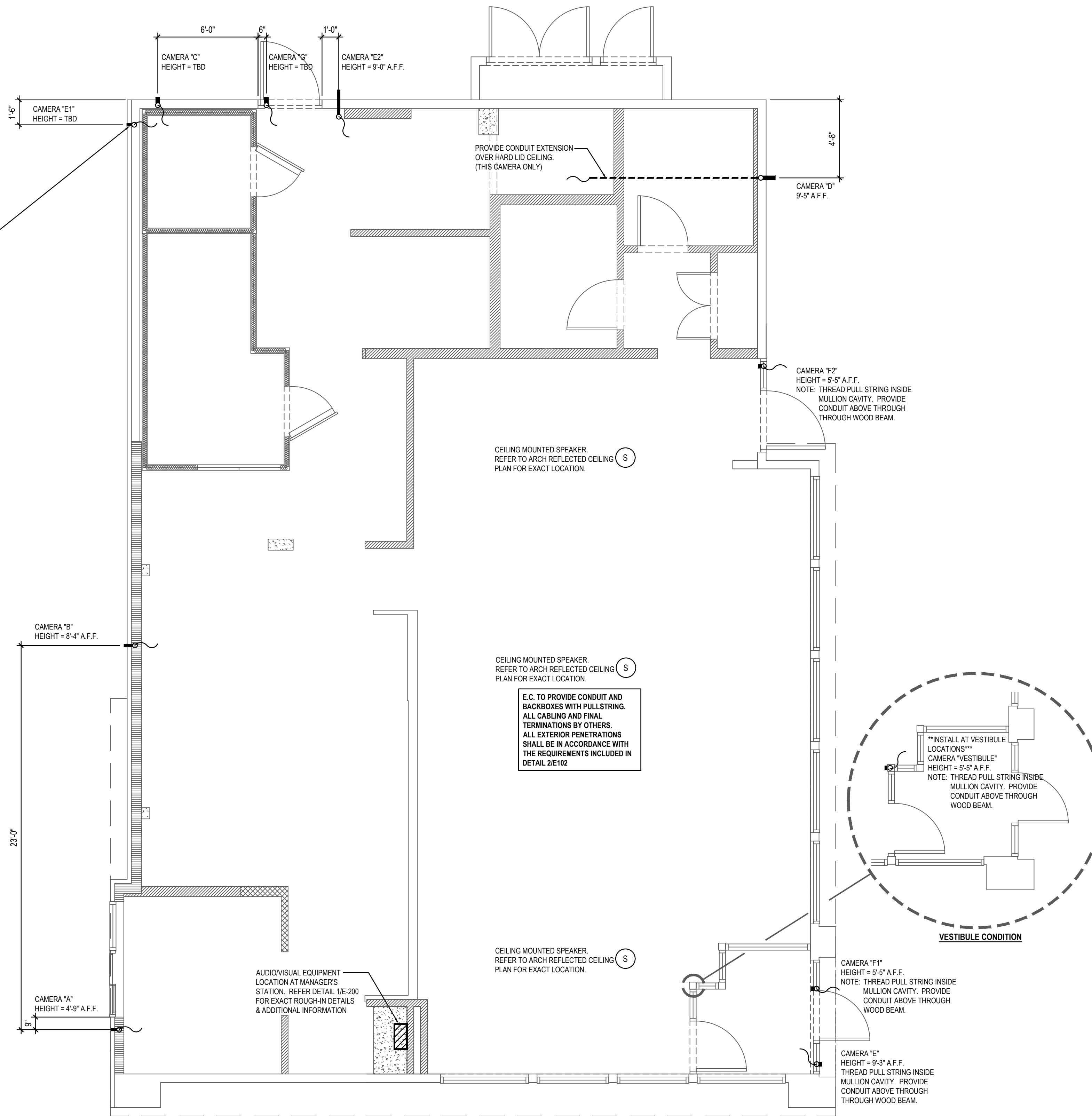
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HAMILTON, OH 45013

E-102

SECURITY CAMERA PLAN

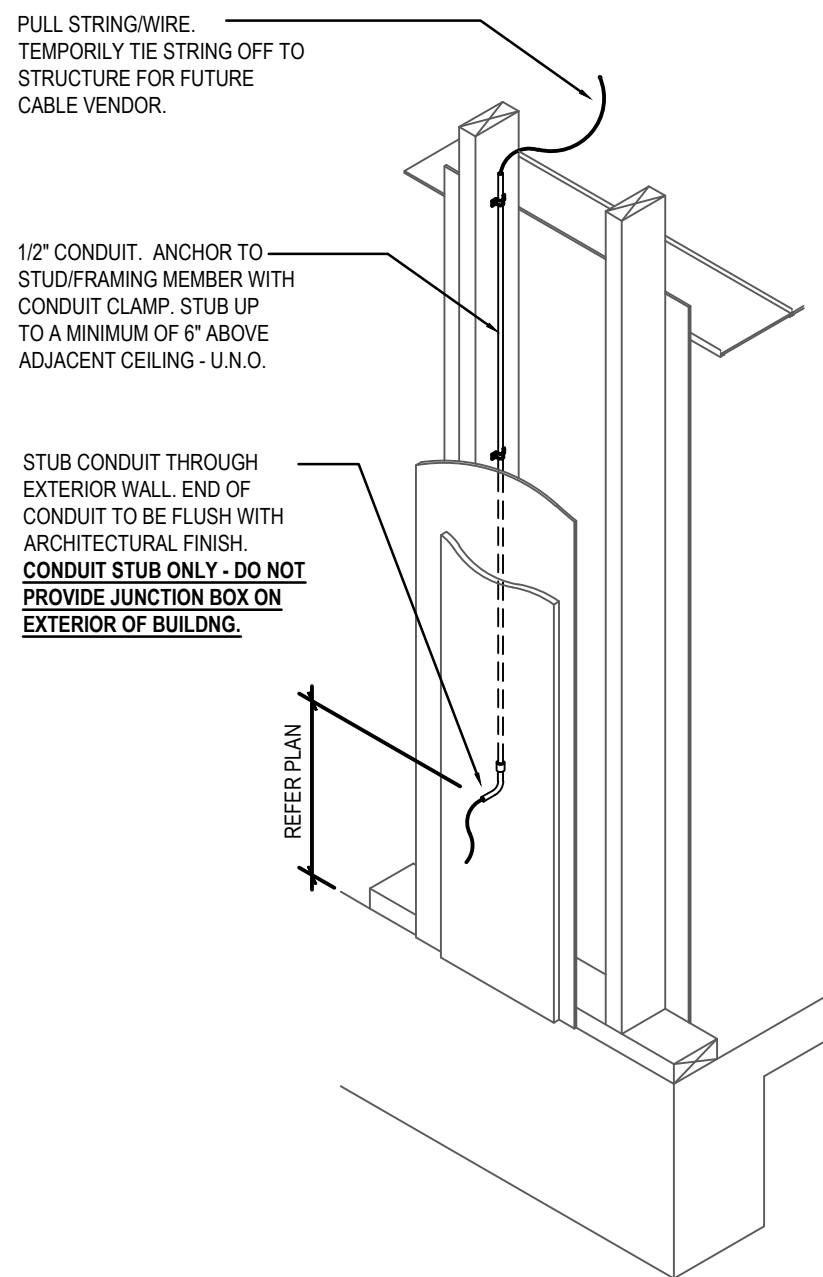
TRUE WARM & WELCOME 2300 R5



NOTE:
G.C./ELECTRICAL SUB TO
COORDINATE WITH PANDA
RESTAURANT PROJECT MANAGER
ON ANY CAMERA LOCATIONS TO BE
ADDED AND/OR OMITTED.

ACTUAL QUANTITY OF CAMERAS TO
BE VERIFIED BY G.C./ELECTRICAL
SUB WITH THE FOLLOWING CAMERA
VENDOR CONTACT.

JOHN STRAIN
INTERFACE SECURITY SYSTEMS
PHONE: 314-708-9878
EMAIL: john.strain@interfacesys.com



CONDUIT ROUGH-IN DETAIL

2

NOT TO SCALE

E-102

SECURITY CAMERA PLAN

1

Scale= 1/4" = 1'-0"

E-102



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REVISIONS:

	TWW_2300-2020_R4

ISSUE DATE:

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DRAWN BY: KB

PANDA PROJECT #: S8-22-D8193

PANDA STORE #: -

ARCH PROJECT #: 20044.021



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E-104

ROOF POWER PLAN

TRUE WARM & WELCOME 2300 R5

- ALL ROOF MOUNTED EQUIPMENT SHALL BE IN NEMA-3R ENCLOSURES.
- ALL CONDUIT RUNS SHOWN ON THE ROOF SHALL BE RUN BELOW IN THE CEILING SPACE WHERE AMBIENT TEMPERATURE WILL BE BELOW 30° C. FINAL CONNECTIONS TO THE ROOF EQUIPMENT IS LIMITED TO 5'-0" OF DIRECT SOLAR EXPOSURE.
- VERIFY ALL FUSE SIZES AND TYPES WITH THE MECHANICAL EQUIPMENT MANUFACTURER PRIOR TO INSTALLATION.
- REVIEW THE MECHANICAL PLANS FOR HVAC CONTROL REQUIREMENTS AND SCOPE OF WORK PRIOR TO BIDDING AND INCLUDE ALL COSTS IN BID.
- VERIFY CONNECTION POINTS OF ALL HVAC EQUIPMENT PRIOR TO INSTALLATION. PROVIDE CONTROL VOLTAGE CONNECTION TO DUCT MTD. SMOKE DETECTOR AS REQUIRED BY MECHANICAL DRAWING M-100 AND INTERLOCK WITH FIREALARM.
- SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT AND THERMOSTATS. PROVIDE RACEWAY SYSTEM FOR ALL CONTROL WIRING AS REQUIRED BY MECHANICAL DRAWING M-100.
- E.C. COORDINATE ELECTRICAL, MECHANICAL, FIRE ALARM (IF REQUIRED) FOR INTERLOCK SEQUENCE FOR FIRE SUPPRESSION.
- RESTROOM EXHAUST FAN TO BE POWERED FROM BACK OF HOUSE LIGHTING CIRCUIT. SEE DETAIL 5/E400 FOR ADDITIONAL INFORMATION.

ROOF PLAN GENERAL NOTES 2
NOT TO SCALE E-104

- ROUTE HOMERUN THROUGH BACK OF HOUSE LIGHTING CIRCUIT. REFER TO LIGHTING CONTACTOR SCHEDULE. 4/E-101. FAN TO BE CONTROLLED BY SWITCH FOR BACK OF HOUSE LIGHTING.
- DUCT SMOKE DETECTOR, FURNISHED BY MECHANICAL/FACTORY. WIRED BY ELECTRICAL / FIRE ALARM CONTRACTOR. FURNISH AND INSTALL ALL RACEWAY, WIRING, AND ADDITIONAL ACCESSORIES REQUIRED FOR CODE COMPLIANCE AND UNIT SHUTDOWN.
- CIRCUIT FEEDS FROM PANELBOARD - THROUGH HOOD CONTROL PANEL - UP TO ROOF. REFER TO DETAIL, SHEET 3/E-401 & KITCHEN HOOD SUBMITTAL DATA.
- REFER TO CONDENSING UNIT WIRING DIAGRAM, 7/E-400.
- STRUT RACK SUPPORT FOR EQUIPMENT DISCONNECT SWITCHES. REFER TO DETAIL, SHEET 2/E-401.
- PROVIDE AND INSTALL 2-1/2" DIA GALVANIZED RIGID METAL CONDUIT AND WEATHERHEAD +24" A.F.G. CONDUIT TO BE STRAPPED TO CLOSEST JOIST TO THE MANAGER'S STATION (FULL DEPTH).
- DO NOT INSTALL UNTIL BACK DRAFT DAMPER INSTALLATION IS COMPLETE. UTILIZE FACTORY KNOCKOUTS FOR ELECTRICAL RUN FOR THIS FAN. REFER TO SHEET M-402.
- MOUNT PHOTOCELL AS DETAILED ON EQUIPMENT DISCONNECT SWITCH SUPPORT DETAIL 2/E401 ON CONDENSER RACK.
- STUB ELECTRICAL FEED FOR EF-1 & EF-2, THROUGH ROOF ON HINGE SIDE OF EXHAUST FANS, IN LOCATION AS SHOWN ON POWER ROOF PLAN. REFER TO DETAIL 3/M-501 FOR ADDITIONAL DETAILS.
- ROUTE POWER FEEDS VIA FACTORY PROVIDED THRU-BASE CONNECTION AREA. COORDINATE WITH MECHANICAL.
- UNIT INCLUDES FACTORY MOLDED CASE DISCONNECT SWITCH (NO OCP). VERIFY WITH MECHANICAL SUBMITTAL DATA. PROVIDE DISCONNECT IF / AS REQUIRED.

ROOF PLAN KEYED NOTES 3
NOT TO SCALE E-104

ROOFTOP EQUIPMENT SCHEDULE

TAG	DESCRIPTION	kW	H.P.	FLA	VOLT/Ø	WIRE, CONDUIT	CONN.	MOUNT HEIGHT	DISC. SW. WITH RK1 FUSES PER MFR'S REQ'S. AND/OR REMARKS
RTU1	A/C UNIT			33.0	208V.3Ø	3 #8, #10 GND., 1" C.	<input type="checkbox"/>	AT UNIT	60A. 3P. 3F. WP (1)(4)
RTU2	A/C UNIT			46.0	208V.3Ø	3 #6, #10 GND., 1" C.	<input type="checkbox"/>	AT UNIT	60A. 3P. 3F. WP (1)(4)
RTU3	A/C UNIT			46.0	208V.3Ø	3 #6, #10 GND., 1" C.	<input type="checkbox"/>	AT UNIT	60A. 3P. 3F. WP (1)(4)
MA-1	MAKE-UP AIR UNIT	5.0	15.0	208V.3Ø	3 #12, #12 GND., 3/4" C.		<input type="checkbox"/>	AT UNIT	(1)(4)
EF-1	EXHAUST FAN	2.0	5.9	208V.3Ø	3 #12, #12 GND., 3/4" C.		<input type="checkbox"/>	AT UNIT	(1)
EF-2	EXHAUST FAN	2.0	5.9	208V.3Ø	3 #12, #12 GND., 3/4" C.		<input type="checkbox"/>	AT UNIT	(1)
EF-3	EXHAUST FAN	1/4	4.8	120V.1Ø	2 #12, #12 GND., 3/4" C.		<input type="checkbox"/>	AT UNIT	30A. 2P. 1F. WP (1)(4)
31-S	W/ COOLER COND.			27.0	208V.1Ø	2 #10, #10 GND., 3/4" C.	<input checked="" type="checkbox"/>	AT UNIT	(2)(3)
32-S1	W/ FREEZER COND.			32.0	208V.1Ø	2 #8, #8 GND., 3/4" C.	<input checked="" type="checkbox"/>	AT UNIT	30A. 2P. 2F. WP (3)
10J-S1	ICE MACHINE COND.			11.7	208V.1Ø	2 #12, #12 GND., 3/4" C.	<input checked="" type="checkbox"/>	AT UNIT	(2)(3)

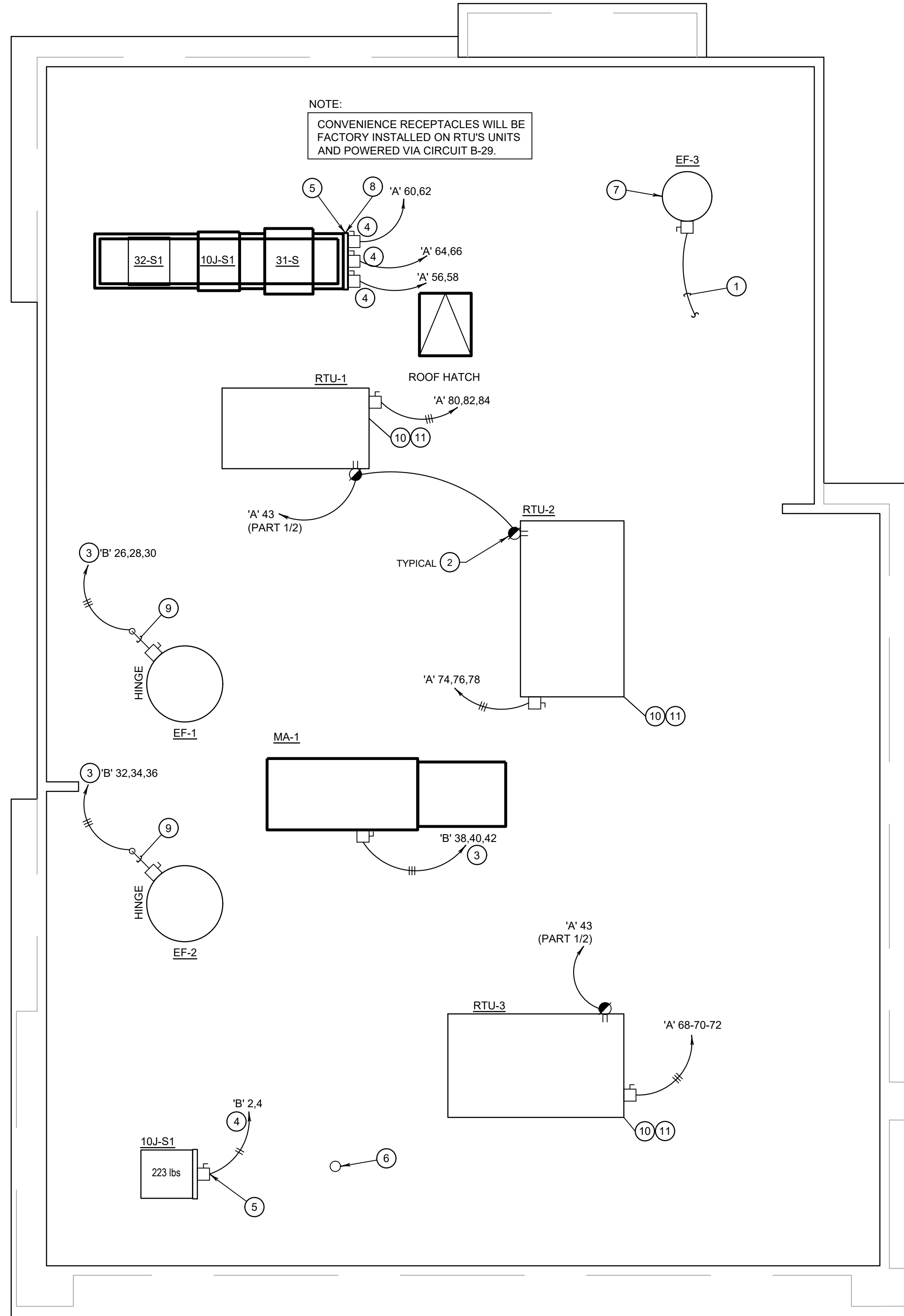
(1) DISCONNECT SWITCH PROVIDED WITH UNIT.

(2) COMBINATION 30A. 2P. 2F. WP DISCONNECT SWITCH WITH RK5 FUSES PER MANUFACTURER RECOMMENDATION.

(3) COMBINE CIRCUITRY IN 1" CONDUIT FROM J-BOX ON EQUIPMENT DISCONNECT SWITCH SUPPORT. REFER TO DETAIL THIS SHEET, 1 / E-104.

(4) ELECTRICAL FEEDS ARE TO BE ROUTED FROM PLENUM SPACE, UP THROUGH EQUIPMENT CURB, INTO BOTTOM OF EQUIPMENT, THROUGH FACTORY INSTALLED WATER TIGHT CONNECTIONS.

HVAC EQUIPMENT SCHEDULE 4
NOT TO SCALE E-104



ROOF POWER PLAN 1
1/4" = 1'-0" E-104

- COORDINATE SERVICE ENTRANCE SECTION, TRANSFORMER, PRIMARY SERVICE, SECONDARY SERVICE, AND SWITCHING CABINET OR POWER POLE LOCATIONS WITH SERVING UTILITY COMPANY AND COMPLY AS REQUIRED.
- CONTRACTOR TO BE RESPONSIBLE FOR COORDINATING AND PROVIDING REQUIRED WORK FOR SUPPLYING ELECTRICAL POWER AND TELEPHONE UTILITIES TO THE BUILDING.
- CONTRACTOR SHALL HAVE ALL EXISTING UNDERGROUND UTILITIES LOCATED PRIOR TO TRENCHING. ALL UNDERGROUND UTILITIES DAMAGED DURING TRENCHING SHALL BE REPAIRED TO THE SATISFACTION OF INVOLVED UTILITY AT CONTRACTOR'S EXPENSE.
- MINIMUM CONDUCTOR SIZE THIS SHEET TO BE #10 CU, 1" CONDUIT.

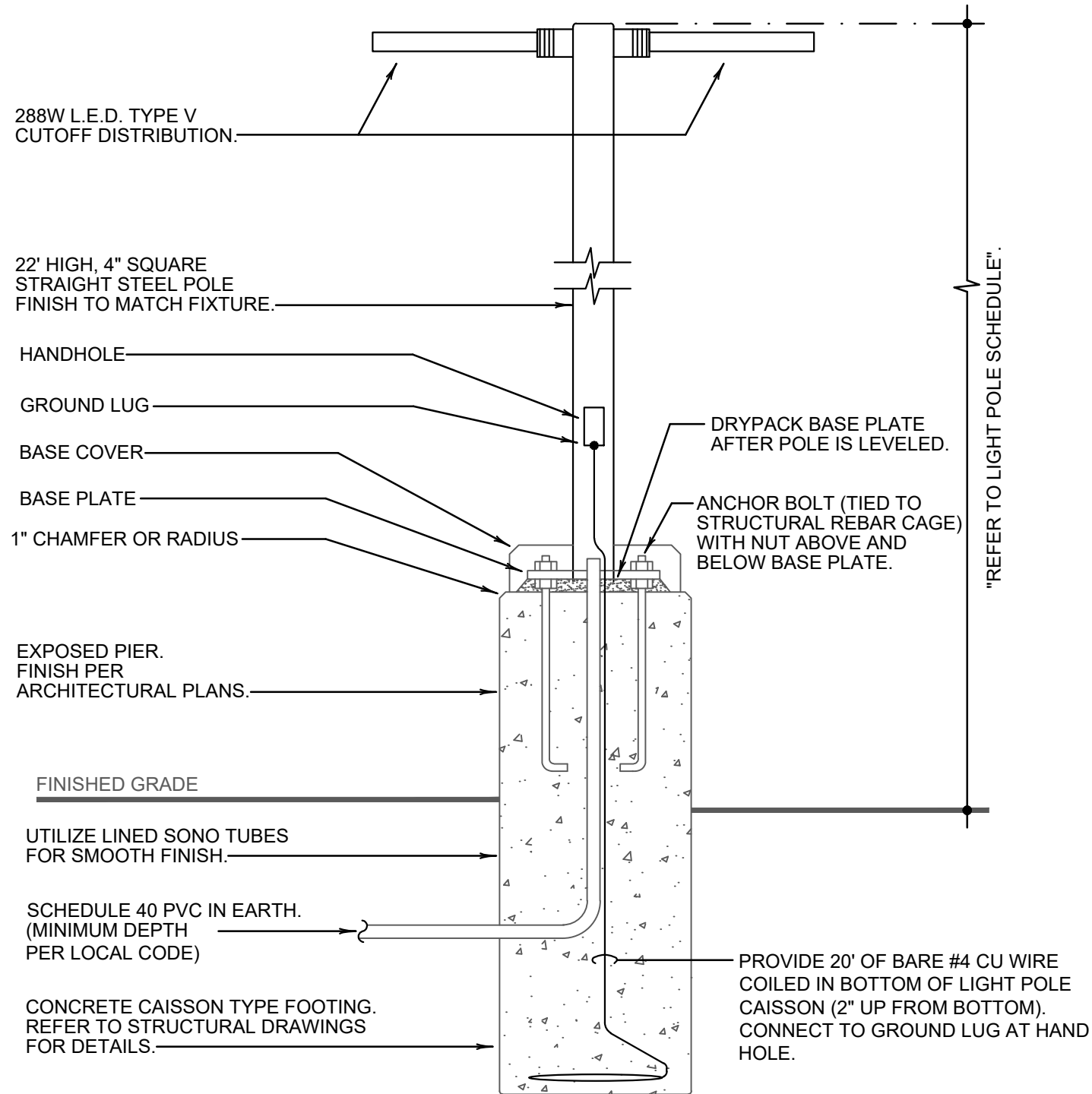
SITE PLAN GENERAL NOTES 2

E-105

1. FEED THROUGH LIGHTING CONTACTOR. REF: 11/E400.
2. STUB UP LOCATION FOR (3) 3/4" CONDUITS & PULL STRINGS, TO ENTER BUILDING & UP TO 6" ABOVE CEILING. REFER TO SHEET 1/E401.
3. STUB-UP LOCATION FOR MENU BOARD. SIGN DISCONNECT PROVIDED BY SIGN CONTRACTOR. COORDINATE PRECISE LOCATION WITH ARCHITECT / OWNER.
4. DRIVE-THRU SENSOR LOOP. COORDINATE LOCATION. REFER TO DETAIL 1 / E401.
5. STUB-UP FOR DRIVE-THRU ORDER CONFIRMATION MONITOR. COORDINATE LOCATION WITH ARCHITECT / OWNER.
6. STUB UP LOCATION FOR PYLON SIGN OR MONUMENT SIGN. ELECTRICAL CONTRACTOR TO PROVIDE NON-FUSED DISCONNECT AT BASE OF SIGN. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER. CONNECT TO EXTERIOR BUILDING SIGN TIMER CONTROL. REFERENCE 11/E400.
7. SEE POLE MOUNTING DETAIL, REFER TO 4/E105.
8. CABLE PULL BOX; REFERENCE 1/E100. INSTALL MINIMUM 3' FROM SIDEWALK. DO NOT INSTALL IN SIDEWALK CONCRETE.
9. REF: 1/E400 FOR SES GROUNDING DETAIL.

SITE PLAN KEYED NOTES 3

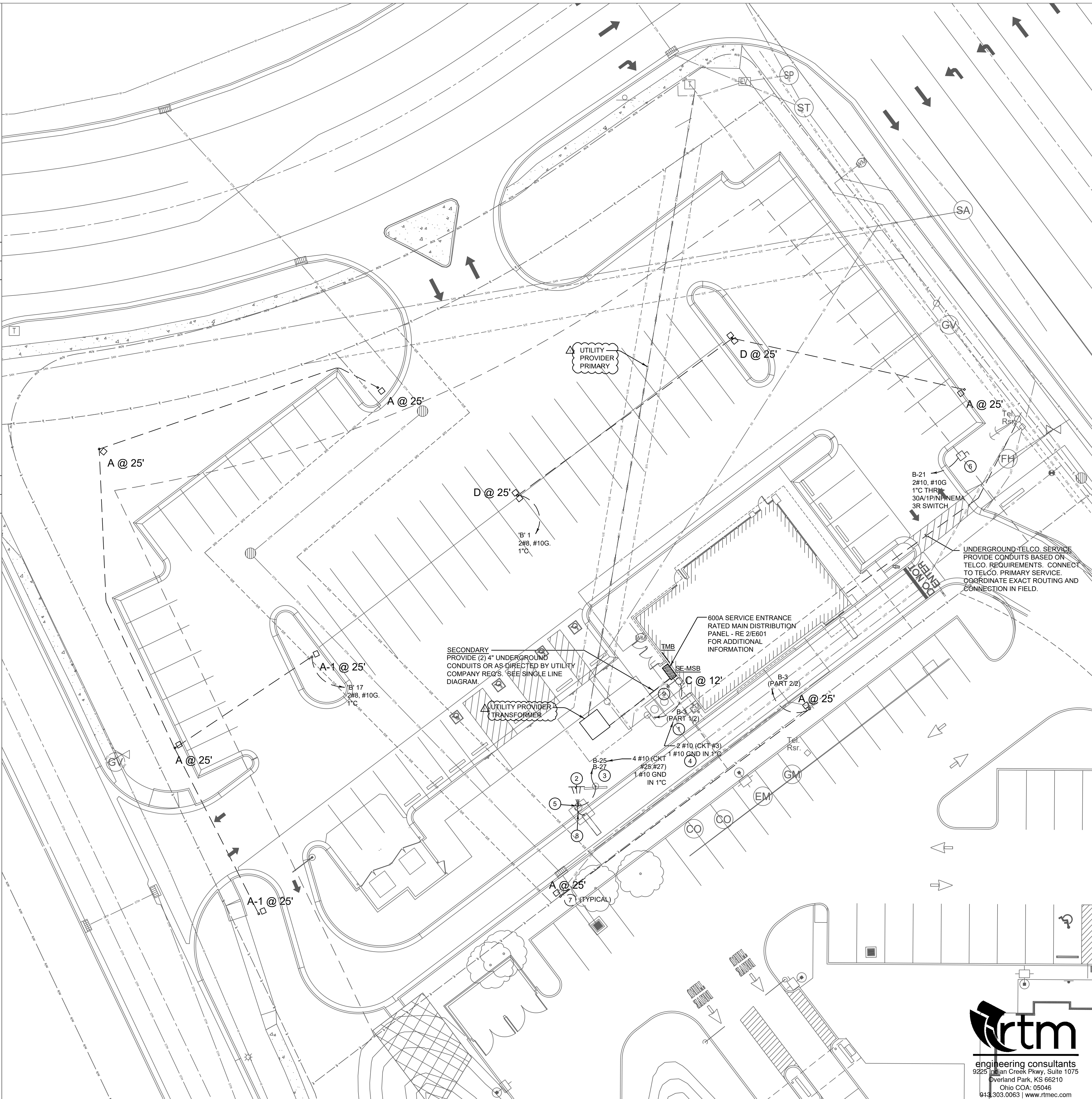
E-105



NOTE: THIS DETAIL IS FOR ELECTRICAL INSTALLATION ONLY. REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.

POLE MOUNTING DETAILS 4

NO SCALE E-105



SITE & EXTERIOR LIGHTING PLAN 1

1" = 16'-0" E-105



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REVISIONS:

1st CITY COMMENTS 05.10.21

ISSUE DATE:

1st BUILDING PERMIT SET 04-02-21

DRAWN BY: KB

PANDA PROJECT #: S8-22-D8193

PANDA STORE #: -

ARCH PROJECT #: 20044.021



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E-105

SITE & EXTERIOR LIGHTING PLAN

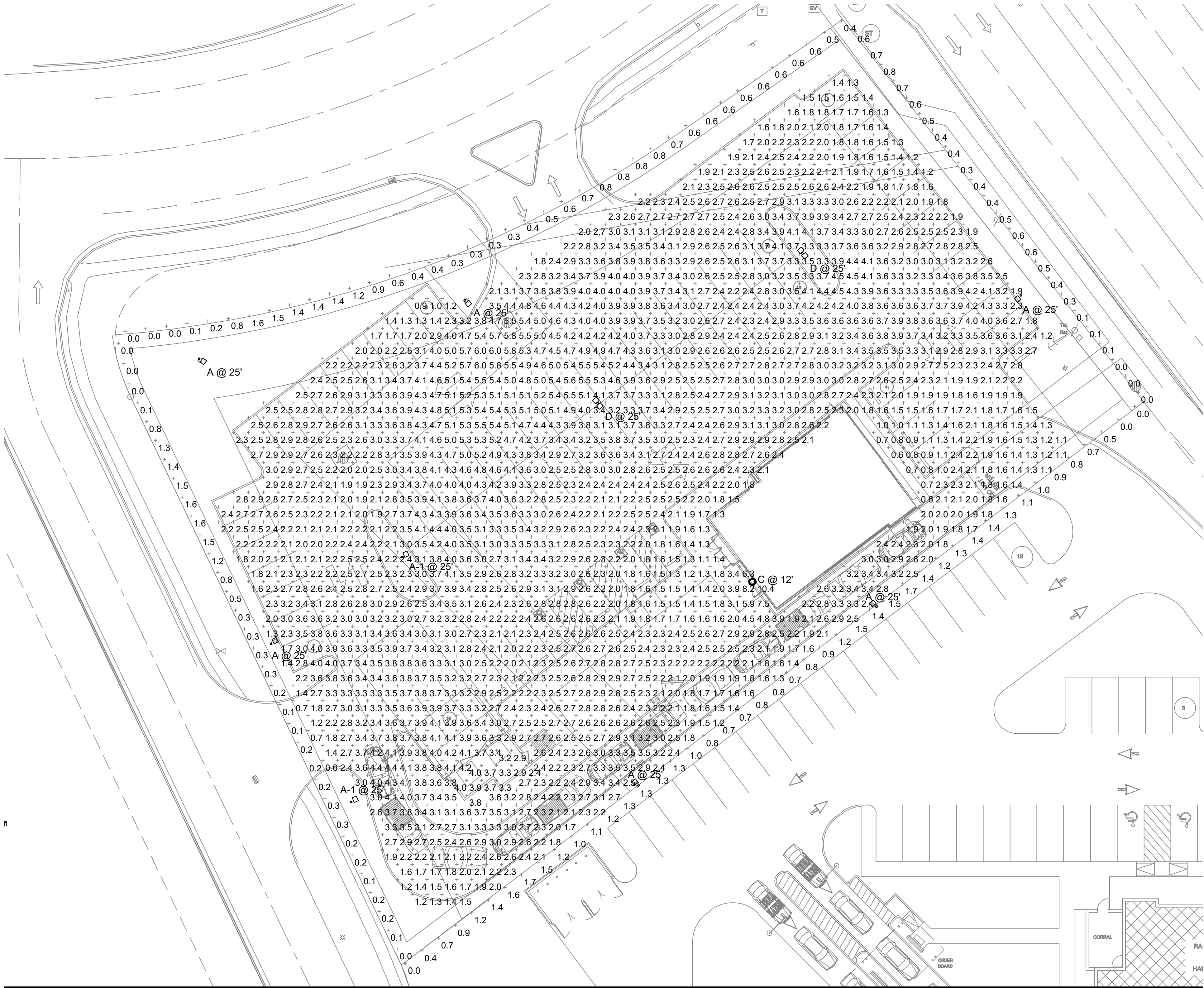
TRUE WARM & WELCOME 2300 R5

Symbol	Label	QTY	Catalog Number	Description	Number Lamps	Filename	Lumens per Lamp	LLF	Wattage
<div><div></div><div></div></div>	A	6	SLM-LED-18L-SIL-FT-40-70CRI-IL- REUSE EXISTING POLES	CONTACT RYAN ZINSELMEIER-314-531-2600	1	SLM-LED-18L-SIL-FT-40-70CRI-IL.ies	12046	1	148.5
<div><div></div><div></div></div>	A-1	2	SLM-LED-18L-SIL-FT-40-70CRI-IL	CONTACT RYAN ZINSELMEIER-314-531-2600	1	SLM-LED-18L-SIL-FT-40-70CRI-IL.ies	12046	1	148.5
<div><div></div></div>	C	1		VL305	1	IES_VL305.ies	3290	1	27.9

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
CALC SUMMARY- PAVED SURFACE	+	2.9 fc	10.4 fc	0.6 fc	17.3:1	4.8:1
Calc Zone #3	+	0.7 fc	1.7 fc	0.0 fc	N/A	N/A
TRASH ENCLOSURE	+	3.4 fc	4.0 fc	2.4 fc	1.7:1	1.4:1

Note						
1. MOUNTING HEIGHT OF 25'						
2. CALCULATIONS TAKEN AT GROUND LEVEL						
3. CONTACT VILLA LIGHTING- RYAN ZINSELMEIER- RYAN.ZINSELMEIER@VILLALIGHTING.COM- 314-531-2600						

SITE LIGHTING FIXTURE SCHEDULE				3	PANDA SITE LIGHTING DESIGN CRITERIA				2
				E-106	NO SCALE				E-106



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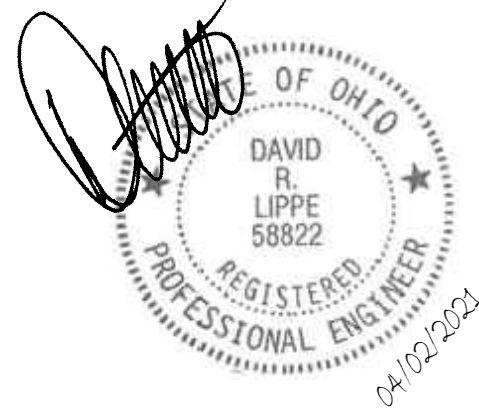
REVISIONS:

ISSUE DATE:

1st	BUILDING PERMIT SET	04-02-21

DRAWN BY: KB

PANDA PROJECT #: S8-22-D8193
PANDA STORE #: -
ARCH PROJECT #: 20044.021

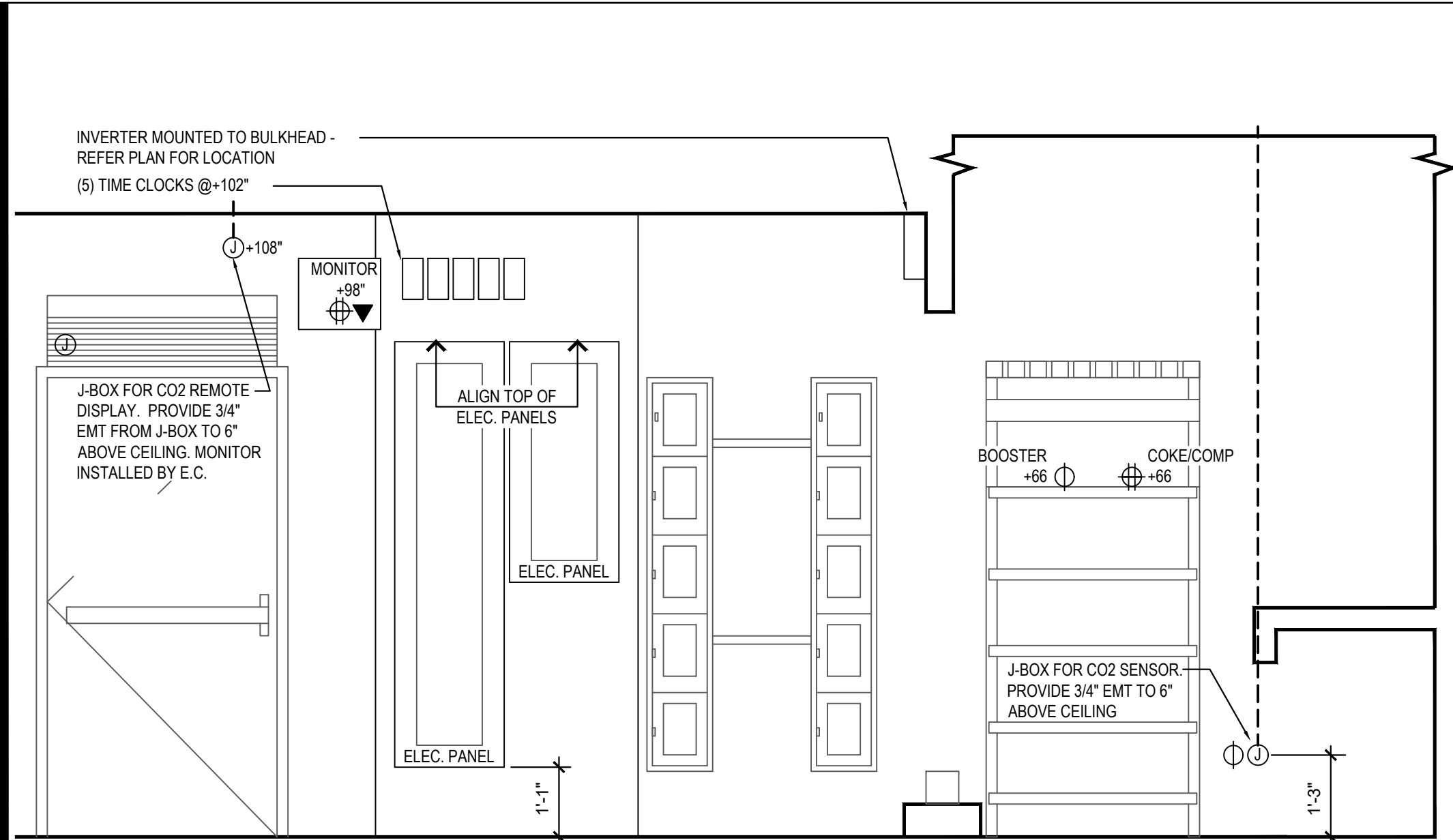


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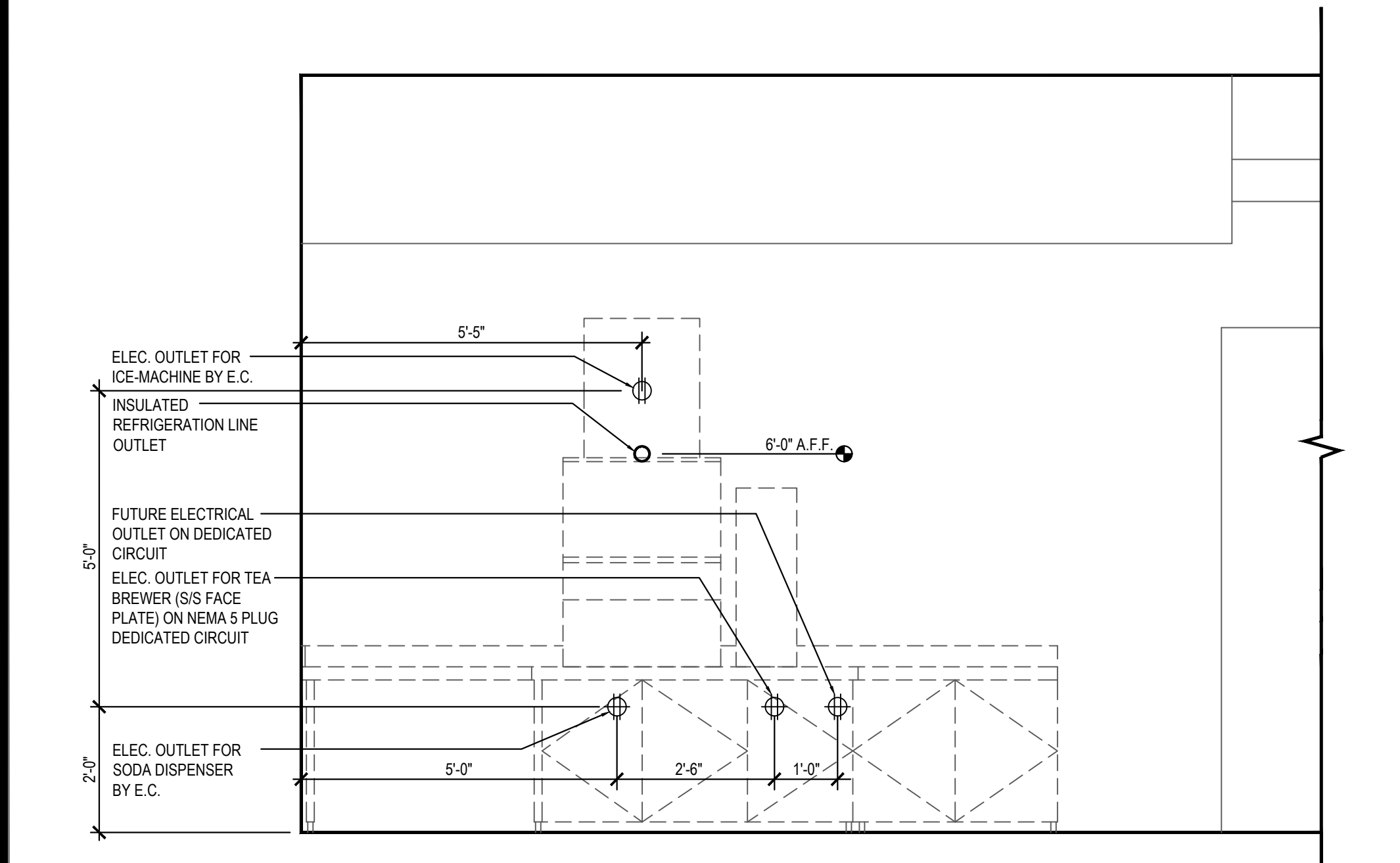
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E-106
HOT - MEDIUM
SITE PHOTOMETRIC PLAN

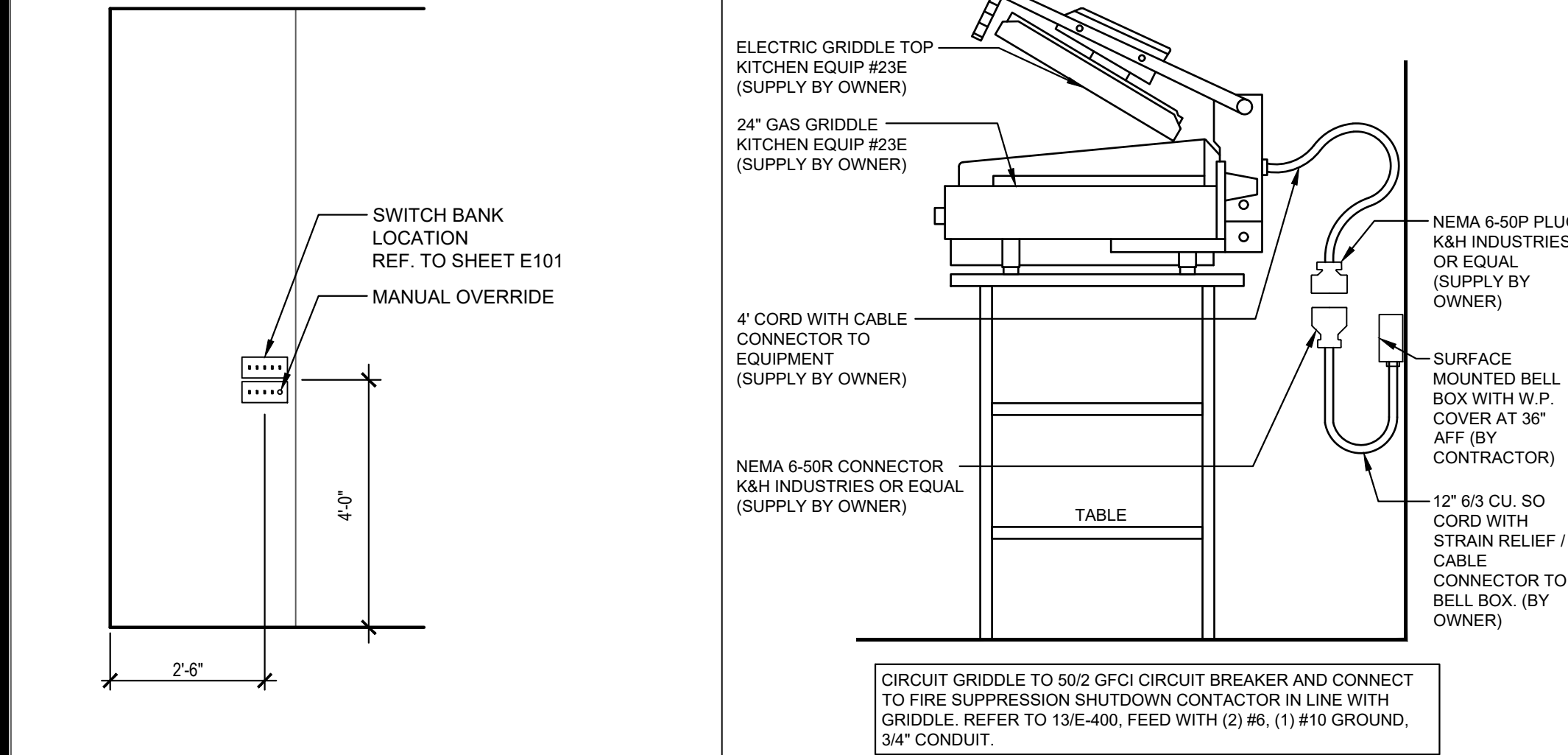
TRUE WARM & WELCOME 2300 R5



BOH REAR WALL ELEVATION 9
NOT TO SCALE E-200

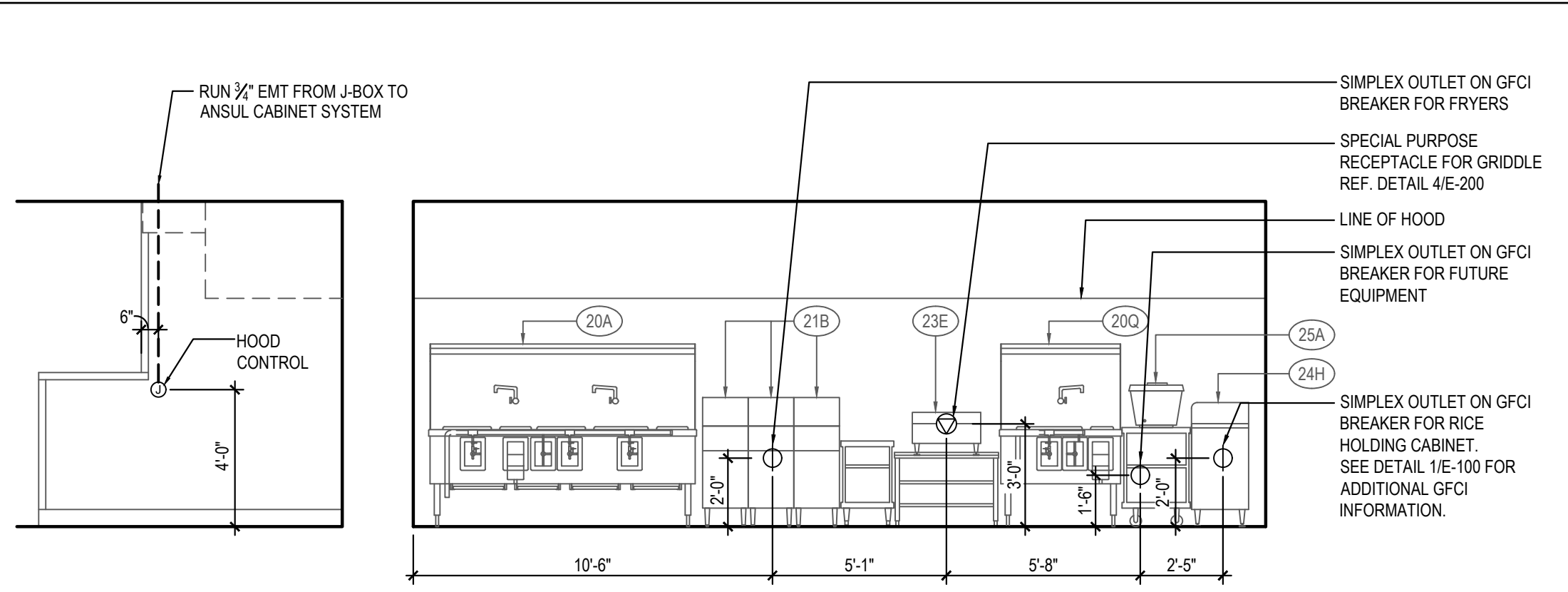


DRINK STATION ELEVATION 5
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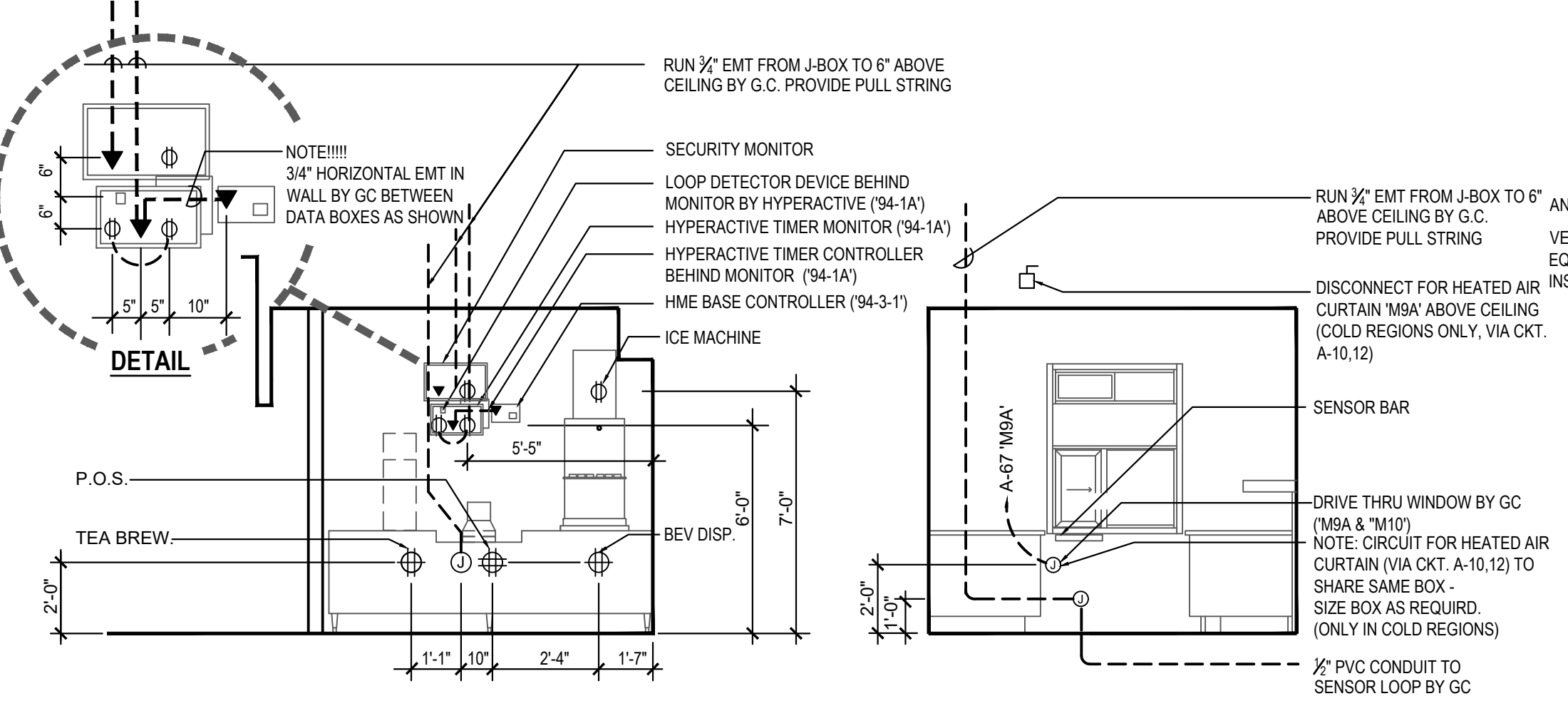


SWITCH BANK ELEV 7
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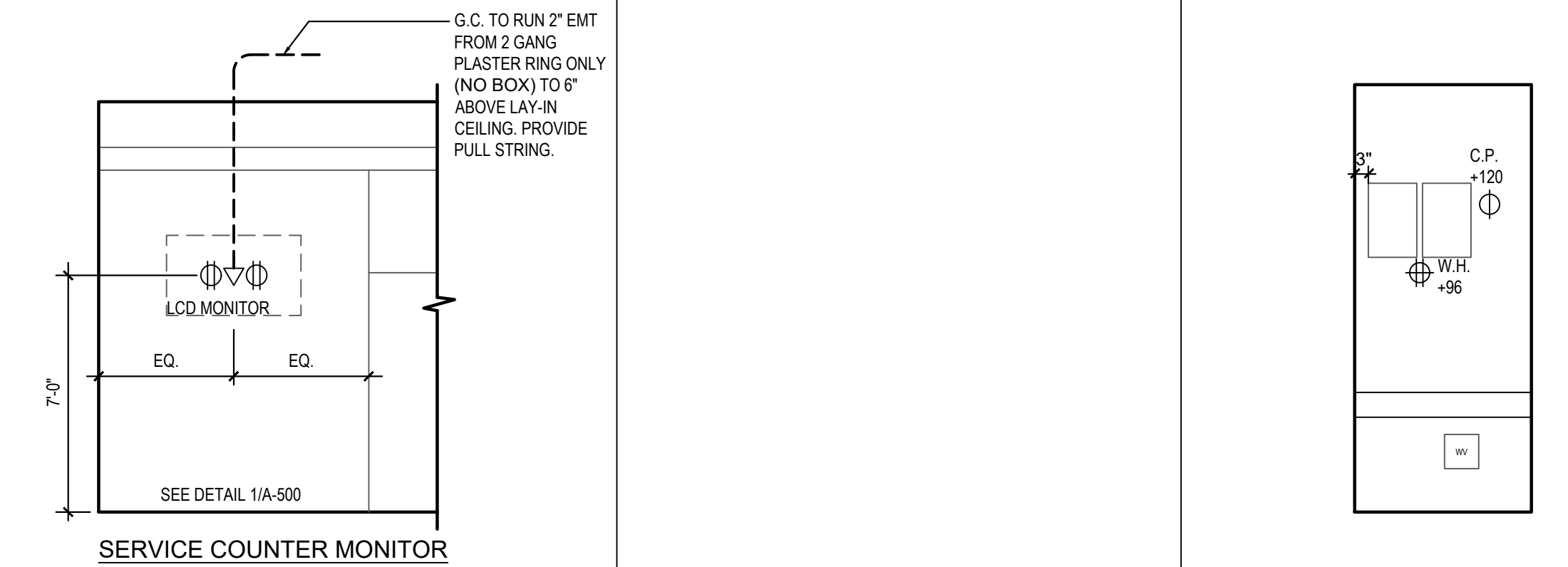
GRIDDLE 23B (EG-24H) 4
NOT TO SCALE E-200



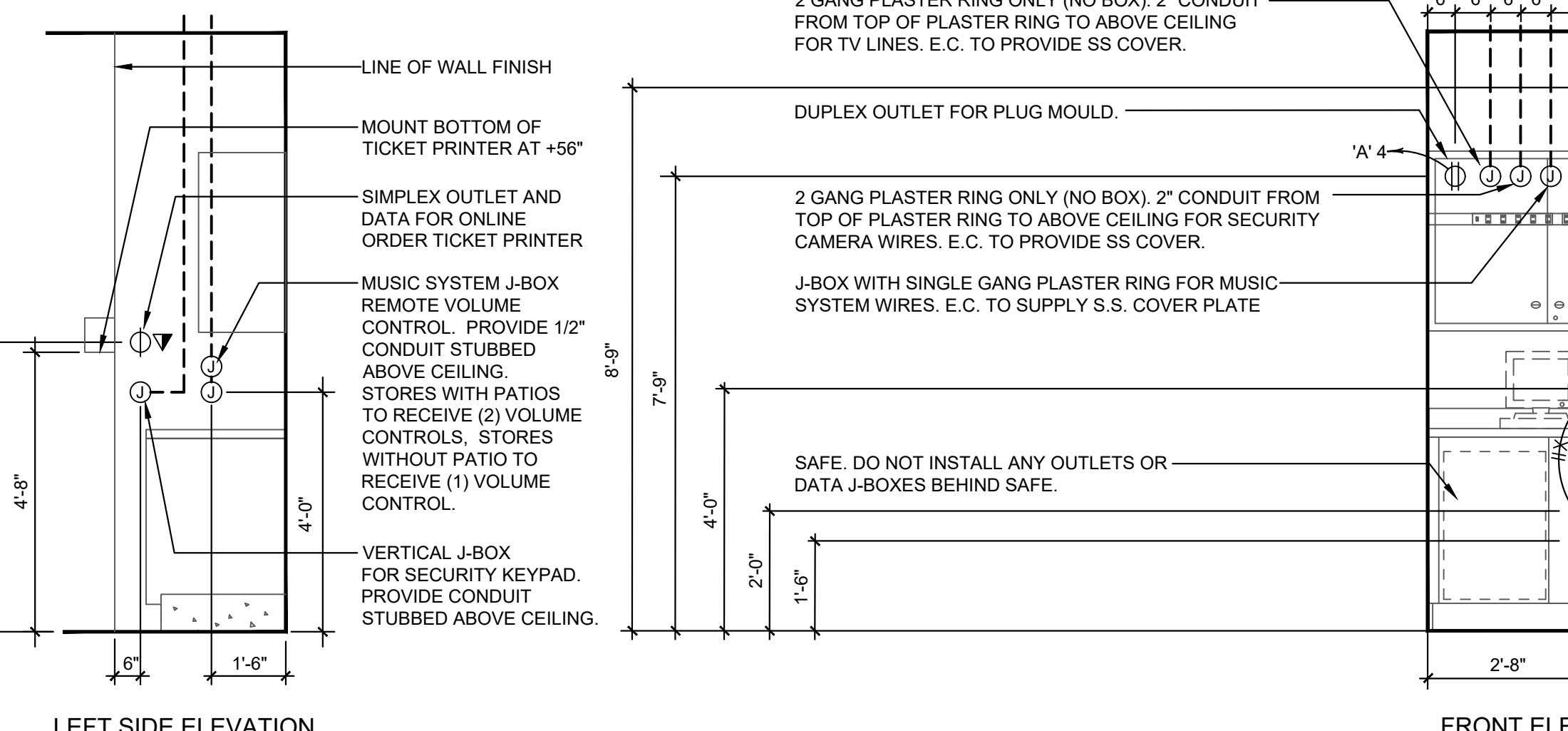
COOKLINE ELECTRICAL ELEVATIONS 6
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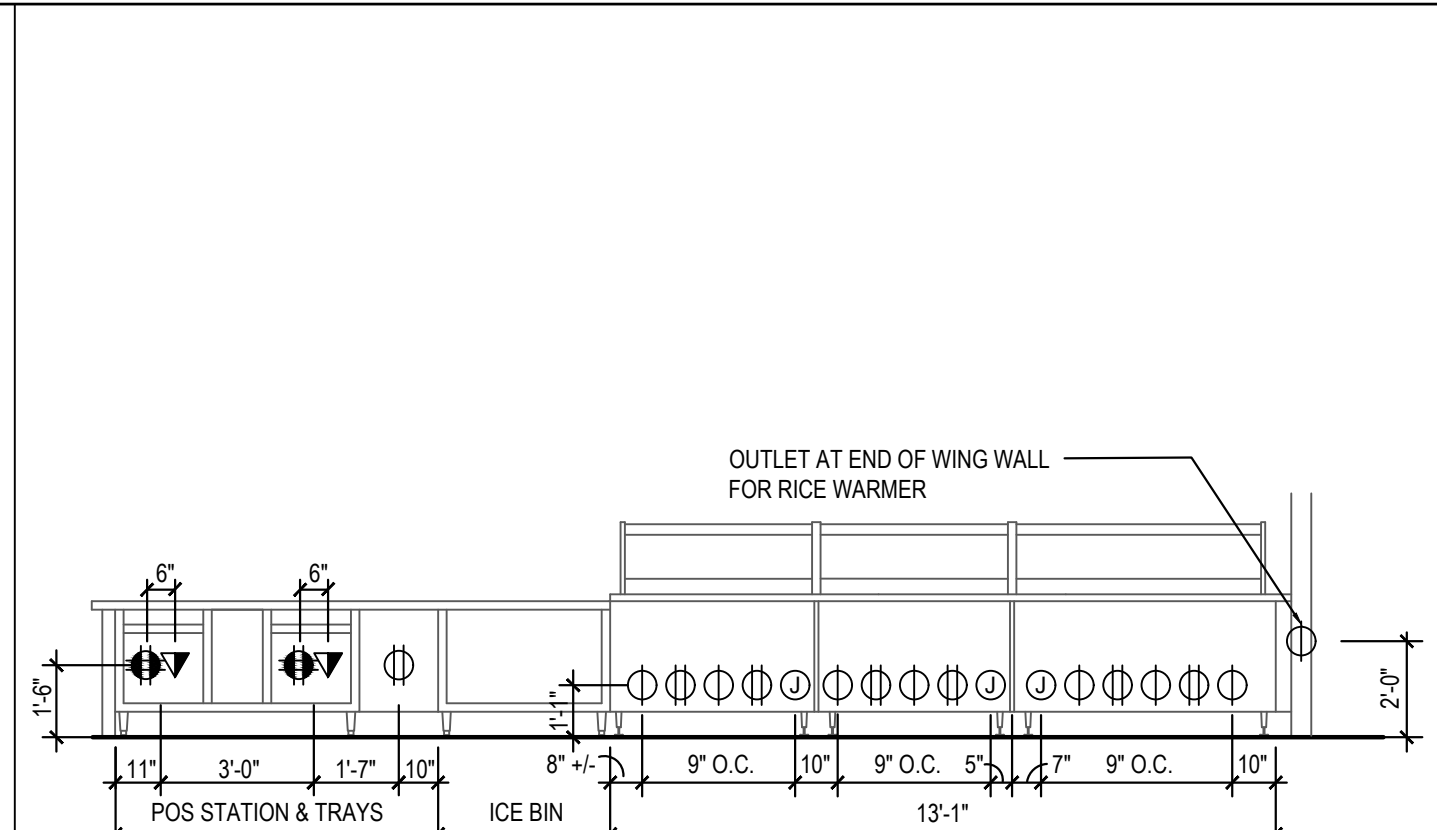
P.O.S. & SERVICE LINE ELEVATION 3
NOT TO SCALE E-200



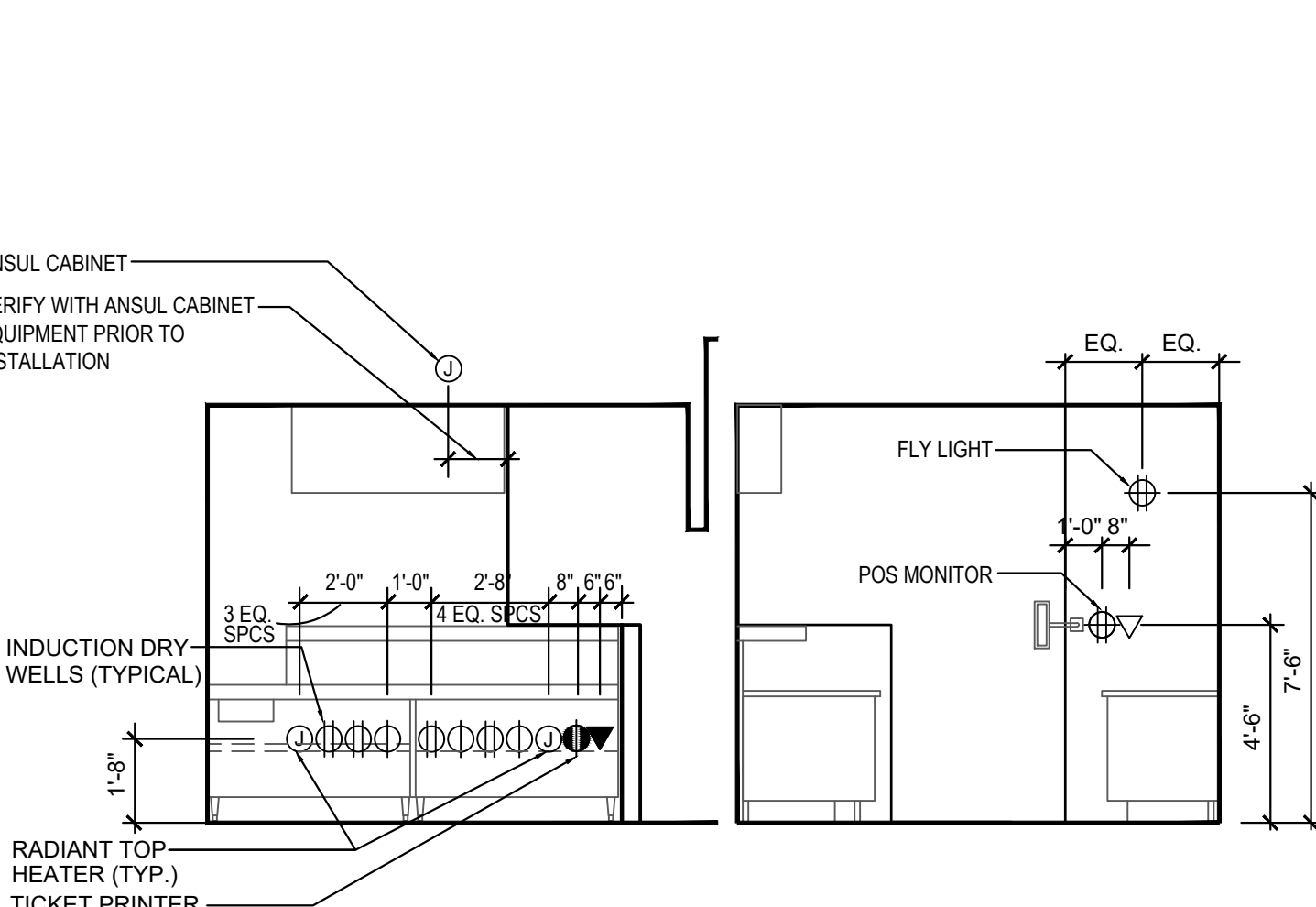
DRIVE-THRU ELEVATIONS 2
Scale: approx. 1/4"=1'-0" E-200



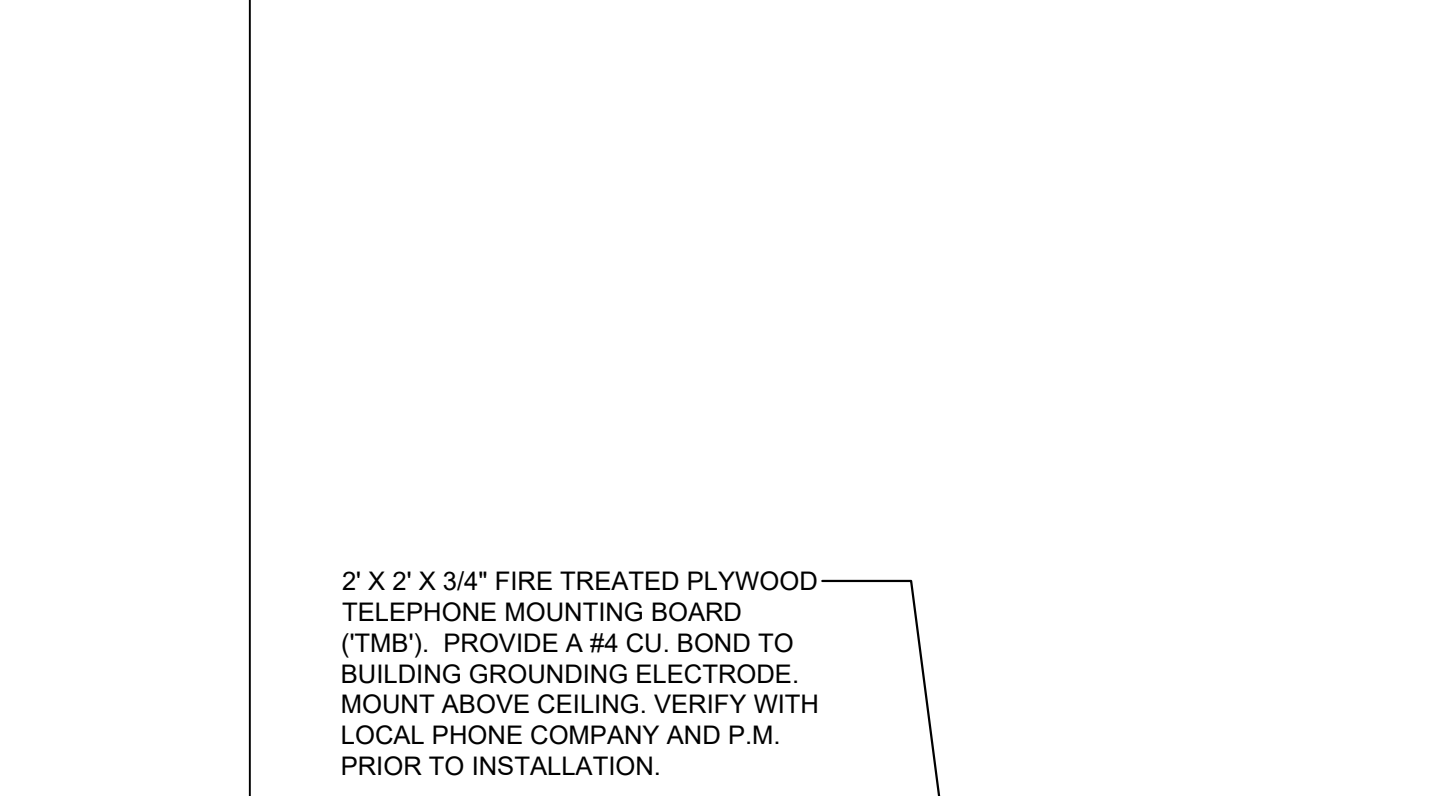
MANAGER'S STATION ELEVATIONS 1
NOT TO SCALE E-200



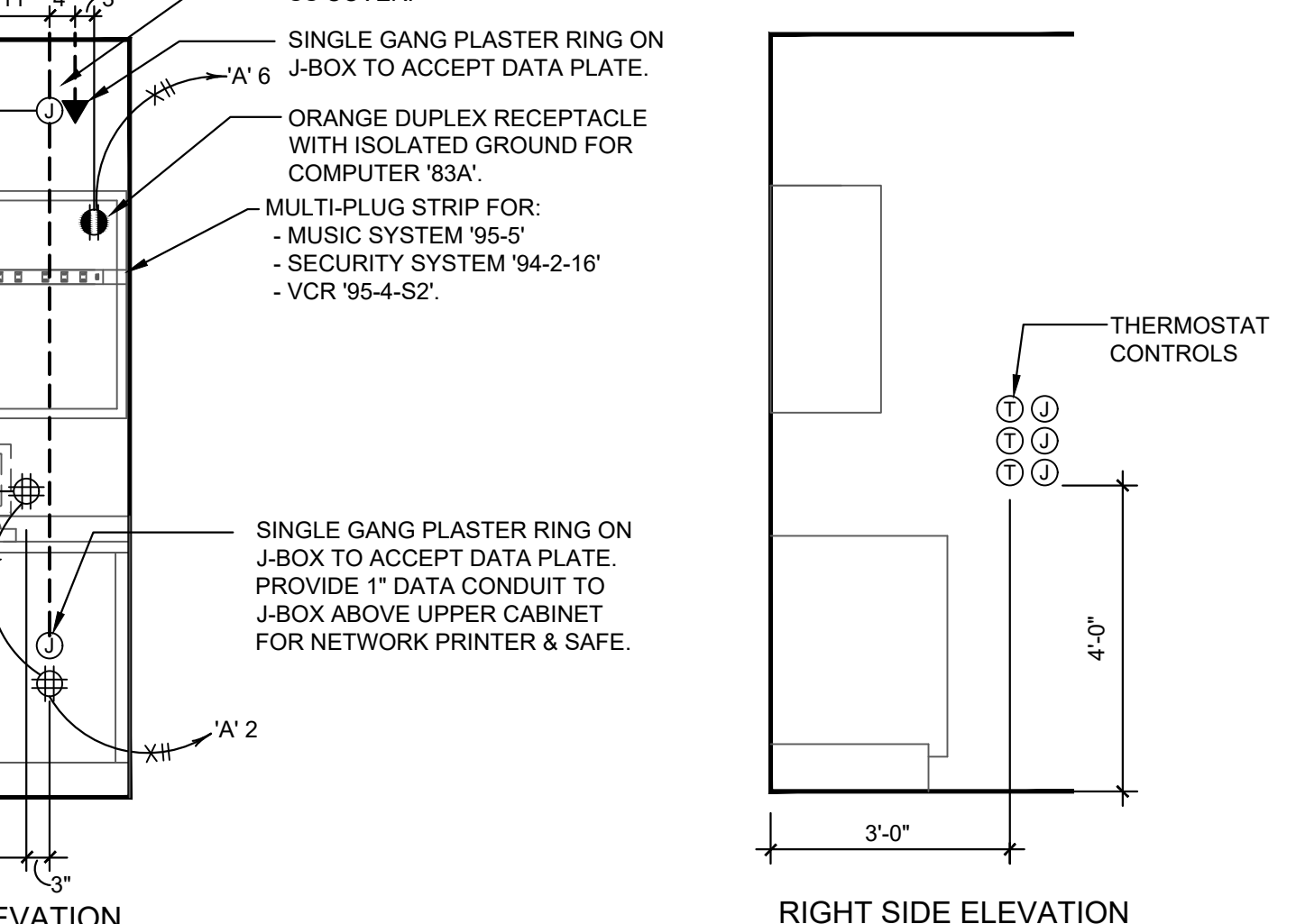
P.O.S. & SERVICE LINE ELEVATION 3
NOT TO SCALE E-200



DRIVE-THRU ELEVATIONS 2
Scale: approx. 1/4"=1'-0" E-200



MANAGER'S STATION ELEVATIONS 1
NOT TO SCALE E-200



MANAGER'S STATION ELEVATIONS 1
NOT TO SCALE E-200



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REVISIONS:

1st	BUILDING PERMIT SET	04-02-21
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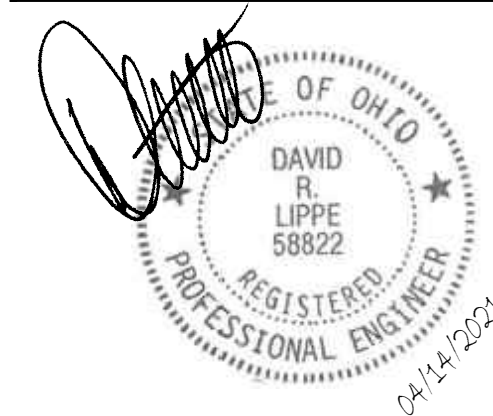
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PANDA PROJECT #: S8-22-D8193

PANDA STORE #: -

ARCH PROJECT #: 20044.021



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E-200

ELECTRICAL ELEVATIONS

TRUE WARM & WELCOME 2300 R5



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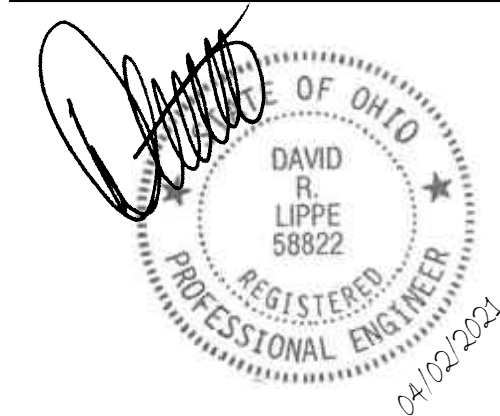
1st	BUILDING PERMIT SET	04-02-21

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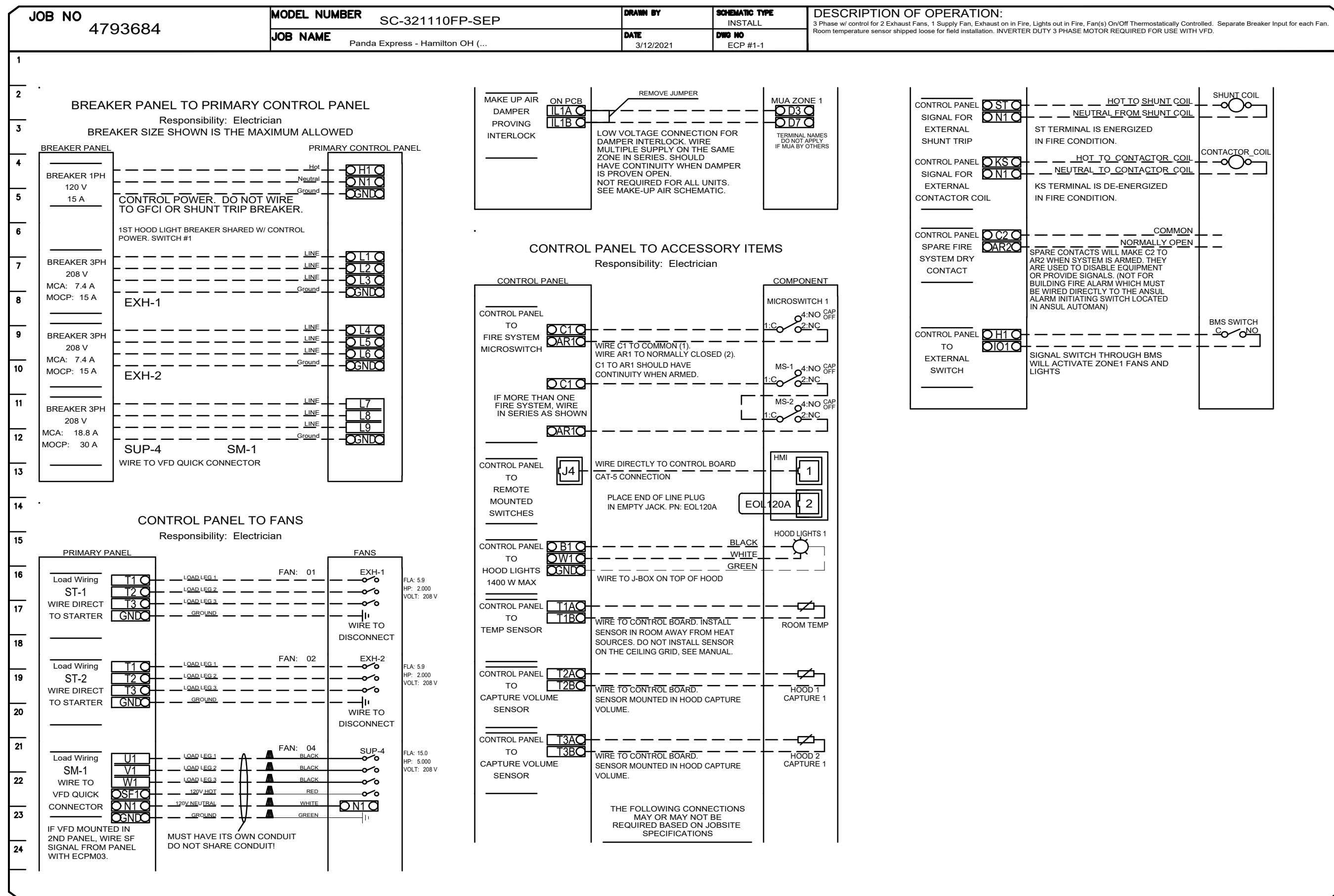
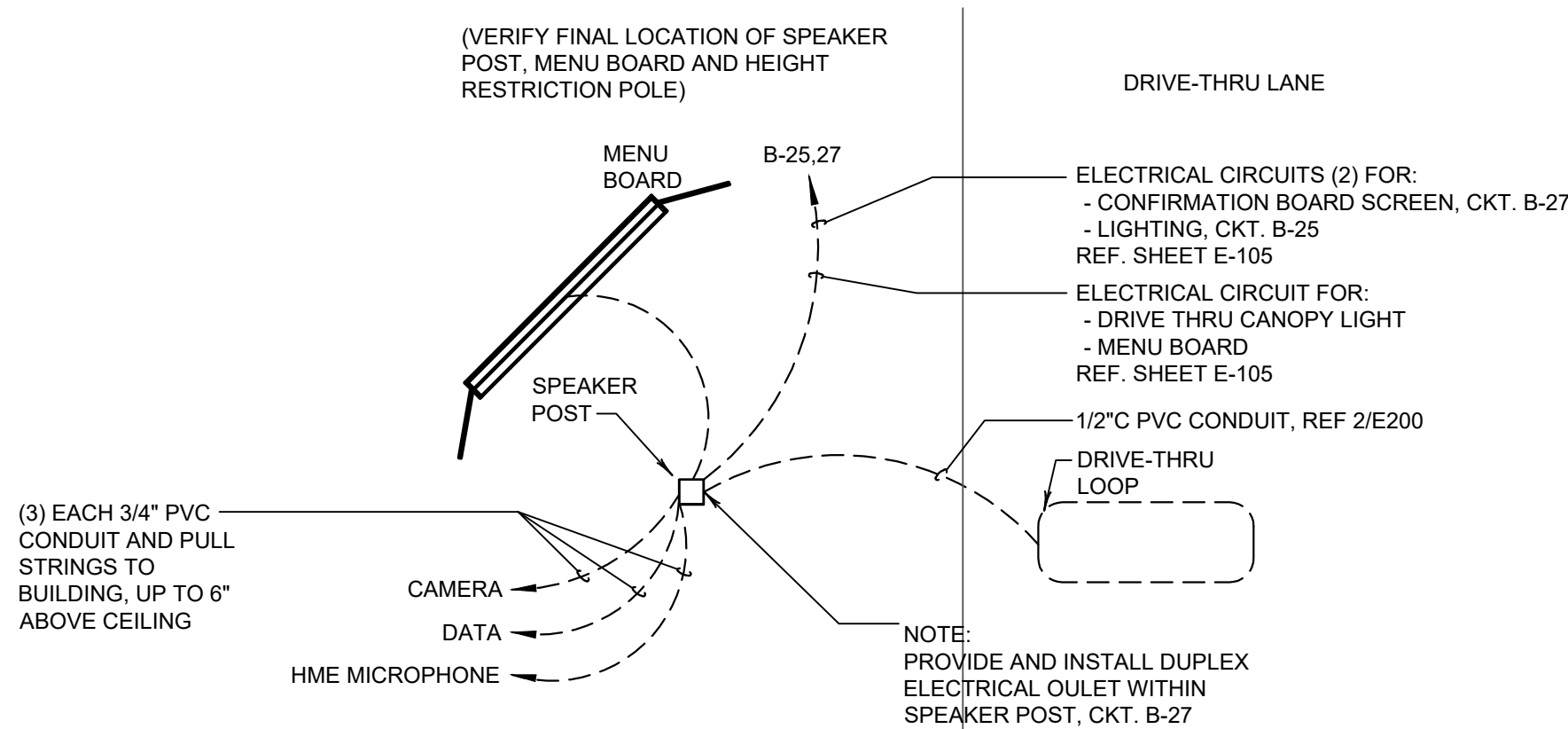
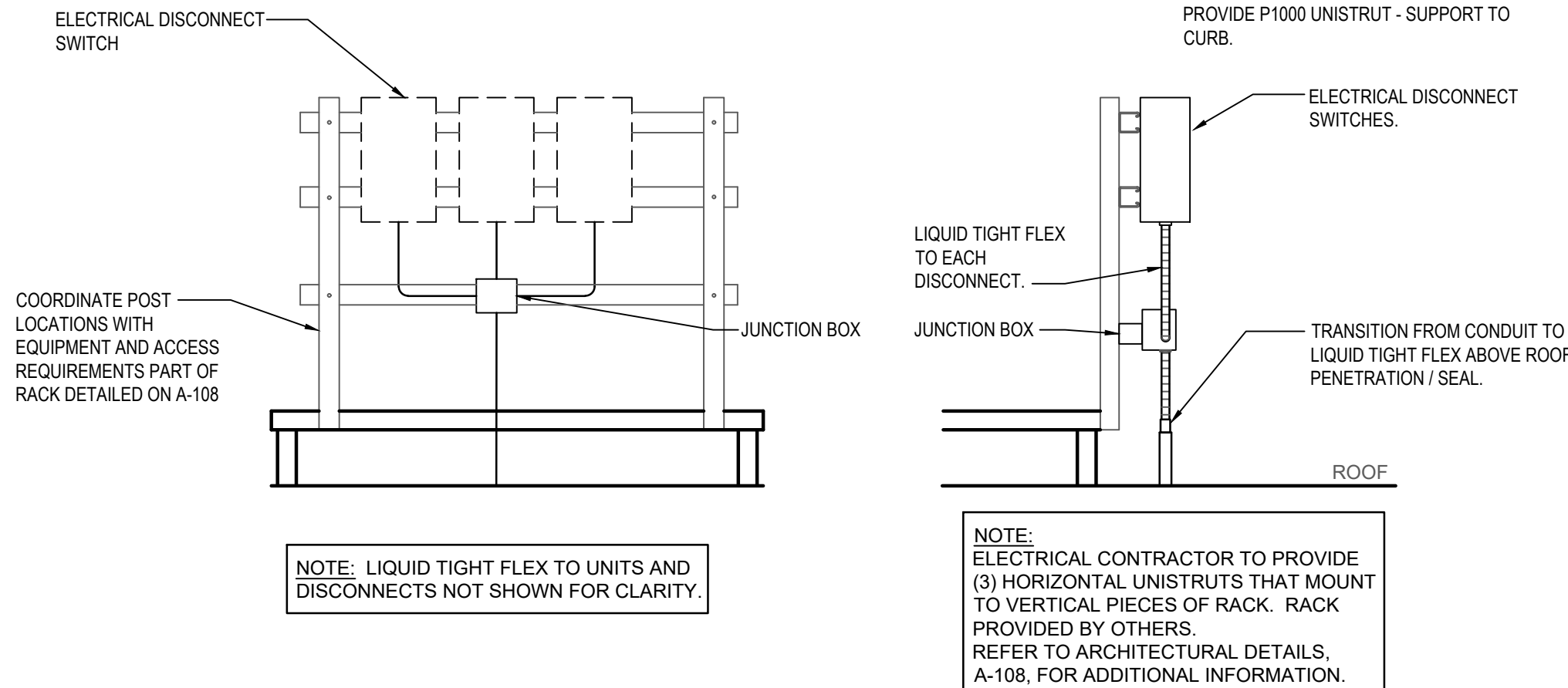
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E-401

ELECTRICAL DETAILS, DIAGRAMS

TRUE WARM & WELCOME 2300 R5



KITCHEN EXHAUST SYSTEM DIAGRAM

3

NOT TO SCALE

E-401

MENU BOARD & SENSOR LOOP

1

E-401

PANELBOARD NOTES ()

- (1) KITCHEN EQUIPMENT SHOWN AT 65% IN PANEL TOTALS PER NEC (KITCHEN EQUIPMENT).
- (2) TERMINATE GROUND ON ISOLATED GROUND BUS.
- (3) ROUTE CIRCUIT THROUGH LIGHTING CONTACTOR, CONTROLLED BY TIMECLOCK. REFER TO DETAILS, SHEET 11/E-400.
- (4) WIRE SIZE INCREASE DUE TO VOLTAGE DROP. SIZE EQUIPMENT GROUND CONDUCTOR PROPORTIONALLY PER NEC.
- (5) REFER TO ONE-LINE DIAGRAM FOR WIRE SIZES.
- (6) GFCI BREAKER
- (7) INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE).

PROVIDE AN ARC FLASH WARNING SIGN PER NEC 110.16.

PNL A										PANELBOARD										208Y/120V, 3PH, 4W 400A M.L.O. LOCATION: ELEC. CABINET TYPE: BOLT ON W/GROUND BUS NEMA RATING: 1										SERIES RATED 65/22K A.I.C. GROUND BUS ISOLATED GROUND									
										(NEW)																													
INTERIOR PANELBOARDS SHALL BE RECESSED WITH FLANGED/REMOVABLE SCREW-ON COVER. SURFACE MOUNTED PANELBOARDS OR HINGED/FLUSH COVERS NOT ALLOWED																																							
DESCRIPTION										KVA										DESCRIPTION																			
WIRE BRKR PL										A B C										PL BRKR WIRE																			
1	WC DISPLAY LTS/MENUBRD/LED(30	12	20	1	0.275	1.00				1	20	12	FAX '87', MGR '84C', COMP '49A	2																									
3	HOOD CONTRL PNL 'M4'	12	20	1		0.50	0.60			1	20	12	MUSIC, VCR, MONITOR	4																									
5	SERVICE POS '94, PTR '86A'(2,6)	12	20	1						1	20	12	COMPUTER RECEP '83A' (2)	6																									
7	D THRU POS '94'/PTRS '86A'(2,6)	12	20	1	1.10	0.13				1	20	12	10J ICE MACHINE (6)	8																									
9	95-4-S3', FLY LT,CO2 (1,6)	12	20	1		0.82				2	20	12	SPARE	10																									
11	RICE WARMER '54A' (1,4)	12	20	1				0.11						12																									
13	REF. PREP TABLE '340' (1)	12	20	1	1.80	1.18				1	20	12	REAR DOOR - FLY FAN 'M8A'	14																									
15	REF. PREP TABLE '340' (1)	12	20	1		1.08	0.10			1	20	12	FIRE SUPPRESS' SHUTDOWN RELAY	16																									
17	UNDER CTR FRZR '30L' (1,4)	10	20	1				1.08					SHUNT	18																									
19	BEVERAGE DISP.'4AB'(1)	12	20	1	1.12	1.30				1	20	10	INDUCT WELL 3F, 3G (1,4,6)	20																									
21	SERVING COUNTER	12	20	1		0.10	1.30			1	20	10	INDUCT WELL 3F, 3G (1,4,6)	22																									
23	ICE TEA BREWER '9D'	12	20	1				1.78	1.30	1	20	10	INDUCT WELL 3F, 3G (1,4,6)	24																									
25	FOOD PROCESSOR '53'	12	20	1	1.20	1.30				1	20	10	INDUCT WELL 3F, 3G (1,4,6)	26																									
27	SPARE	12	20	1			1.30			1	20	10	INDUCT WELL 3F, 3G (1,4,6)	28																									
29	WALK-IN COOLER COIL '31M'(1)	12	20	1				0.24	1.30	1	20	10	INDUCT WELL 3F, 3G (1,4,6)	30																									
31	RICE HOLD CAB '24H' (1,4,6)	10	20	1	1.78	1.30				1	20	10	INDUCT WELL 3F, 3G (1,4,6)	32																									
33	FUTURE CONTROLS (1,6)	12	20	1		0.20	0.84			1	20	12	RAD TOP HEATER 'IS2B1' (1)	34																									
35	TIMECLOCK	12	20	1				0.01	1.10	1	20	12	RAD TOP HEATER 'IS2B2' (1)	36																									
37	4B' BOOSTER OUTLET (6)	12	20	1	0.86	1.10				1	20	12	RAD TOP HEATER 'IS2B2' (1)	38																									
39	HEAT WRAP '32-S7 (6)	12	20	1		0.50	0.84			1	20	12	RAD TOP HEATER 'IS2B1' (1)	40																									
41	FLY LIGHT (6)	12	20	1				0.18	0.84	1	20	12	RAD TOP HEATER 'IS2B1' (1)	42																									
43	DUCT DETECTORS	12	20	1	0.20					1	20		SPARE	44																									
45	LTG-FOOD PRP/EF3 (3)(4)	10	20	1		1.13				1	20		SPARE	46																									
47	LTG DINING AREA(S)	12	20	1				0.95	1.40	2	15	12	MICROWAVE - 55A (1)	48																									
49	SHOW WINDOW RECEPS(3)	12	20	1	0.90	1.40				1	20	12	FUTURE EQUIPMENT	50																									
51	GENERAL RECEPS	12	20	1		0.72	0.18			1	20	12	SPARE	52																									
53	EXTERIOR RECEPS	12	20	1				0.36		1	20		SPARE	54																									
55	SPARE	12	20	1		1.23				2	20	12	ICE MACHINE COND. '10J-S' (1)	56																									
57	10J ICE MACHINE (6)	12	20	1		0.13	1.23							58																									
59	GAS WATER HEATER - P3, (6)	12	20	1				0.96	3.33	2	40	8	WALKIN FRZR COND. '32-S1'(1,7)	60																									
61	ICE TEA BREWER '9D' (1,4)	10	20	1	1.78	3.33								62																									
63	SPARE	12	20	1			2.81			2	35	10	WALK IN COOL COND '31-S' (1)	64																									
65	SPARE	12	20	1				2.81						66																									
67	DT WINDOW 'M8A' AIR CURTAIN	12	20	1	0.50	5.52				3	50	6	RTU-3 (LENNOX)	68																									
69	INDUC DR WELL 3F,3G (1,4,6)	10	20	1		1.30	5.52							70																									
71	INDUC DR WELL 3F,3G (1,4,6)	10	20	1			1.30	5.52						72																									
73	ELECTRIC GRIDDLE - "23E" (1,6)	6	50	2	3.79	5.52				3	50	6	RTU-2 (LENNOX)	74																									
75	SPARE	12	20	1		3.79	5.52							76																									
77	SPARE	12	20	1				5.52						78																									
79	SPARE	12	20	1		3.84				3	45	6	RTU-1 (LENNOX)	80																									
81	INDUC DRY WELL 3F,3G (1,4,6)	10	20	1		1.30	3.84							82																									
83	INDUC DRY WELL 3F,3G (1,4,6)	10	20	1			1.30	3.84						84																									
TOTAL					43.45					34.31					31.71					KVA																			
TOTAL LOAD					362					285.9					264.25					AMPS																			
FEEDER LOAD					109.47					KVA					304					AMPS																			
					102.79					KVA					286					AMPS																			

PROVIDE AN ARC FLASH WARNING SIGN PER NEC 110.16.

PNL B				PANELBOARD										208Y/120V, 3PH, 4W 225A M.L.O. LOCATION: ELEC. CABINET TYPE: BOLT ON W/GROUND BUS NEMA RATING: 1										SERIES RATED 22/10K A.I.C. GROUND BUS											
MOUNTING: FLUSH																		(NEW)																	
INTERIOR PANELBOARDS SHALL BE RECESSED WITH FLANGED/REMOVABLE SCREW-ON COVER. SURFACE MOUNTED PANELBOARDS OR HINGED/FLUSH COVERS NOT ALLOWED																																			
DESCRIPTION				WIRE	BRKR	PL	KVA						PL	BRKR	WIRE	DESCRIPTION																			
							A		B		C																								
1	BUILDING SIGN/LOGO (3)			12	20	1	1.00	1.23					2	20	10	ICE MACHINE COND. '10J-S1' (4)	2	4																	
3	EXTERIOR POLE MOUNT LTG (3,4)			10	20	1	0.59		1.23							4	4																		
5	EXTERIOR POLE MOUNT LTG (3,4)			10	20	1				0.59	0.90			1	20	12	21B MJ345 FRYER (1,6)	6																	
7	TICKET PRINTER			12	20	1	0.22									SPACE		8																	
9	BEV. DISPENSER 4AB (1,4)			10	20	1	1.12								SPACE		10																		
11	SECURITY/POS MONITORS			12	20	1					0.10					SPACE		12																	
13	HYPERACTIVE TIMER SYS.			12	20	1	0.10									SPACE		14																	
15	DINING TV'S			12	20	1	0.26								SPACE		16																		
17	EXTERIOR POLE MOUNT LTG (3,4)			10	20	1					0.30					SPACE		18																	
19	COKE CARBONATOR			12	20	1	0.20							3	30	10	SPARE	20																	
21	MONUMENT SIGN (3,4)			10	20	1	0.50										22																		
23	BUILDING LTG/EM (3)			12	20	1					0.10							24																	
25	MENUBOARD (3,4)			10	20	1	1.50	0.71					3	15	12	EF-1	26																		
27	DR THRU ORDER SCREEN (4)			10	20	1	1.00		0.71									28																	
29	RTU CONVENIENCE OUTLETS			12	20	1					0.54	0.71					30																		
31	CANOPY LIGHTING (3)			12	20	1	0.13	0.71					3	15	12	EF-2	32																		
33	CANOPY LIGHTING (3)			12	20	1	0.13		0.71									34																	
35	EXTERIOR MOTION SECURITY LED			12	20	1					0.71							36																	
37	SPARE			10	30	3	2.40						3	30	10	MAU-1	38																		
39									2.40								40																		
41									2.40								42																		
PANELBOARD TOTALS CALCULATED				TOTAL			13.32		13.78		11.48		KVA																						
PER NEC ARTICLE 220							111		115		96		AMPS																						
				TOTAL LOAD			38.58		KVA		108		AMPS																						
FEEDER LOAD							39.77		KVA		111		AMPS																						