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CONSTRUCTION DRAWINGS

BAILEY FARMS CLUBHOUSE
 LEE'S SUMMIT, MO

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 COLLINS WEBB
 ARCHITECTURE, LLC

REVISION DATES:

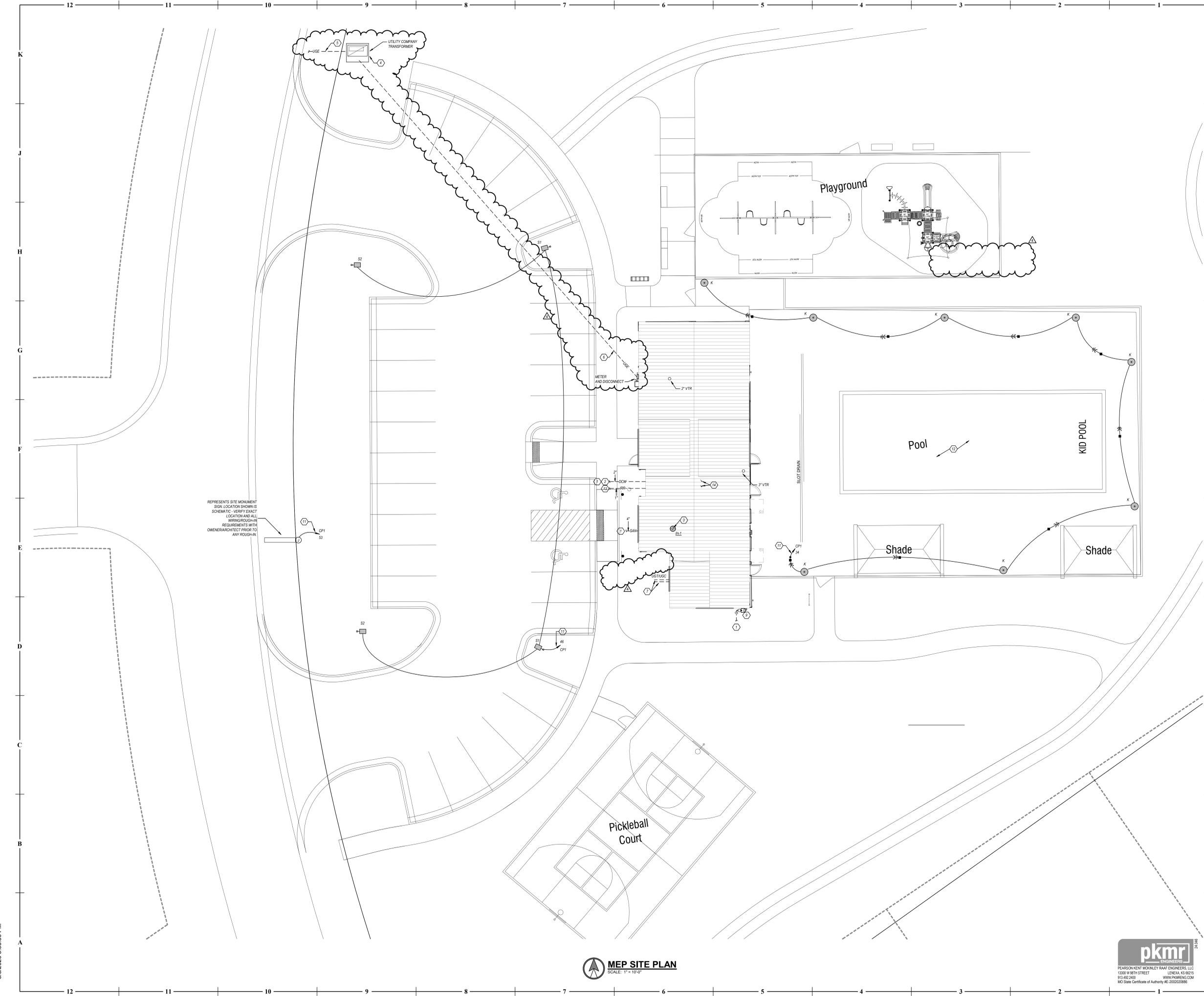
1	Revision 1	11/8/2024
4	Owner Changes	3/4/2026

GENERAL SITE NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. REFER TO CIVIL PLANS FOR CONTINUATION OF SERVICES BEYOND 5'-0" FROM BUILDING UNLESS OTHERWISE SHOWN.
3. REFER TO RESPECTIVE FLOOR PLANS FOR CONTINUATION OF SERVICES INSIDE BUILDING AND/OR EXACT LOCATIONS OF EQUIPMENT.
4. CONTRACT UTILITY LOCATING SERVICE TO LOCATE EXACT LOCATION OF ALL EXISTING UTILITIES BELOW GRADE.

KEYED NOTES - SITE

1. REFER TO CIVIL FOR CONTINUATION.
2. WATER SERVICE: REFER TO CIVIL PLANS FOR METER LOCATION ON SITE.
3. INTAKE HOOD ON SLOPED ROOF: PROVIDE MINIMUM 10" CLEARANCE FROM ALL EXHAUST AND FLUE TERMINATIONS ON ROOF.
4. PROPOSED LOCATION FOR UTILITY COMPANY PAD MOUNTED TRANSFORMER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ELECTRICAL UTILITY COMPANY. PRIOR TO ANY ROUGH-IN, CONTRACTOR TO PROVIDE CONCRETE PAD PER UTILITY COMPANY REQUIREMENTS.
5. PRIMARY UNDERGROUND FEEDERS: REFER TO ELECTRICAL RISER DIAGRAM FOR MORE INFORMATION. COORDINATE ALL SITE WORK WITH CIVIL ENGINEER. ROUTE CONDUITS TO PROPERTY LINE PER UTILITY COMPANY REQUIREMENTS.
6. SECONDARY UNDERGROUND FEEDERS: REFER TO ELECTRICAL RISER DIAGRAM FOR MORE INFORMATION. COORDINATE ALL SITE WORK WITH CIVIL ENGINEER.
7. TWO (2) CONDUITS FOR TELECOMMUNICATION AND TELEVISION SERVICE. REFER TO E01 FOR CONTINUATION BELOW GRADE TO IT EQUIPMENT ROOM.
8. GAS METER, BY UTILITY. GAS SERVICE SHOULD BE RATED FOR +100 MBH AT 7-11 "WC.
9. NOT USED.
10. WIRE THROUGH LIGHTING CONTROL PANEL LCP-1.
11. ALL WORK SHOWN AT THE POOL AND POOL EQUIPMENT ROOM DONE BY POOL CONSULTANT.
12. 1" BRIGATION LINE. COORDINATE WITH IRRIGATION PLAN FOR CONTINUATION.
13. CONCENTRIC VENTS TO FURNACES. MAINTAIN 10" MIN. DISTANCE AWAY FROM ANY FRESH AIR INTAKES.

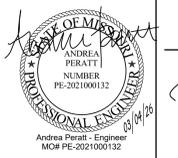


REPRESENTS SITE MONUMENT
 SIGN LOCATION SHOWN IS
 SCHEMATIC - VERIFY EXACT
 LOCATION AND ALL
 IRREGULARITIES
 REQUIREMENTS WITH
 OWNER/ARCHITECT PRIOR TO
 ANY ROUGH-IN.

MEP SITE PLAN
 SCALE: 1" = 10'-0"



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MEP101

ISSUE DATE: 06/26/2024
 COLLINS WEBB #: 23115

SITE PLAN

GENERAL LIGHTING NOTES

- REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
- LIGHT FIXTURES INDICATED AS EMERGENCY FIXTURES ARE TO FUNCTION AS NIGHT LIGHTS UNLESS SPECIFICALLY SHOWN SWITCHED.

KEYED NOTES - LIGHTING

- WIRE CIRCUIT THROUGH LIGHTING CONTROL PANEL LCP-1. THEN RETURN TO PANELBOARD. REFER TO LIGHTING CONTROL PANEL SCHEDULE AND SCHEMATIC WIRING DETAIL (E40) FOR MORE INFORMATION.
- PHOTOCELL FOR LIGHTING CONTROL SYSTEM INSTALLED AS HIGH AS POSSIBLE AT THE PEAK. ORIENT TO THE NORTH.
- WIRE THROUGH ROOM CONTROLLER RC-1 AT MECHANICAL ROOM. REFER TO DETAIL 25401. PROVIDE 5/16" WIRING BETWEEN ROOM CONTROLLER AND LIGHT FIXTURES (NOT SHOWN FOR CLARITY).
- WALL ADJUST ROOM CONTROLLERS AT 30" ABOVE FINISH FLOOR IN AN ACCESSIBLE LOCATION. EXTEND LOW VOLTAGE WIRING BETWEEN ROOM CONTROLLER, OCCUPANCY SENSORS AND LOW VOLTAGE SWITCHES PER MANUFACTURER'S REQUIREMENTS. REFER TO DETAIL 25401 FOR ADDITIONAL NOTES.
- WIRE THROUGH ROOM CONTROLLER RC-2 AT MECHANICAL ROOM. REFER TO DETAIL 25401. PROVIDE 5/16" WIRING BETWEEN ROOM CONTROLLER AND LIGHT FIXTURES (NOT SHOWN FOR CLARITY).
- NOT USED.
- NOT USED.

MARK	MANUFACTURER	MODEL	DESCRIPTION	VOLTAGE
LIGHTING CONTROL DEVICE SCHEDULE				
SWITCHES				
1P	WATSTOPPER	LMSW-100 SERIES	DIGITAL DECORA PUSH/BUTTON SWITCH WITH LED PILOT LIGHT. CATS CONNECTION TO CONTROLLER. # REFERS TO QUANTITY OF BUTTONS ON FACE.	24 V
LD1	WATSTOPPER	LDM-101	DIGITAL DECORA DIMMING SWITCH WITH LED PILOT AND INDICATING LIGHTS. CATS CONNECTION TO CONTROLLER.	120 V
WALL SENSORS				
M2	WATSTOPPER	DSW-100	DUAL-TECHNOLOGY WALL SENSOR. LINE VOLTAGE.	120 V
MR2	WATSTOPPER	DSW-200	DUAL-TECHNOLOGY DUAL RELAY WALL SENSOR. LINE VOLTAGE.	120 V

LIGHTING CONTROLS

REFER TO SCHEDULES FOR SPECIFIC INFORMATION ON DEVICES. UNLESS NOTED OTHERWISE, WHERE "N" IS USED BELOW IT REFERS TO THE DEVICE IDENTITY IN THE RESPECTIVE SCHEDULE.

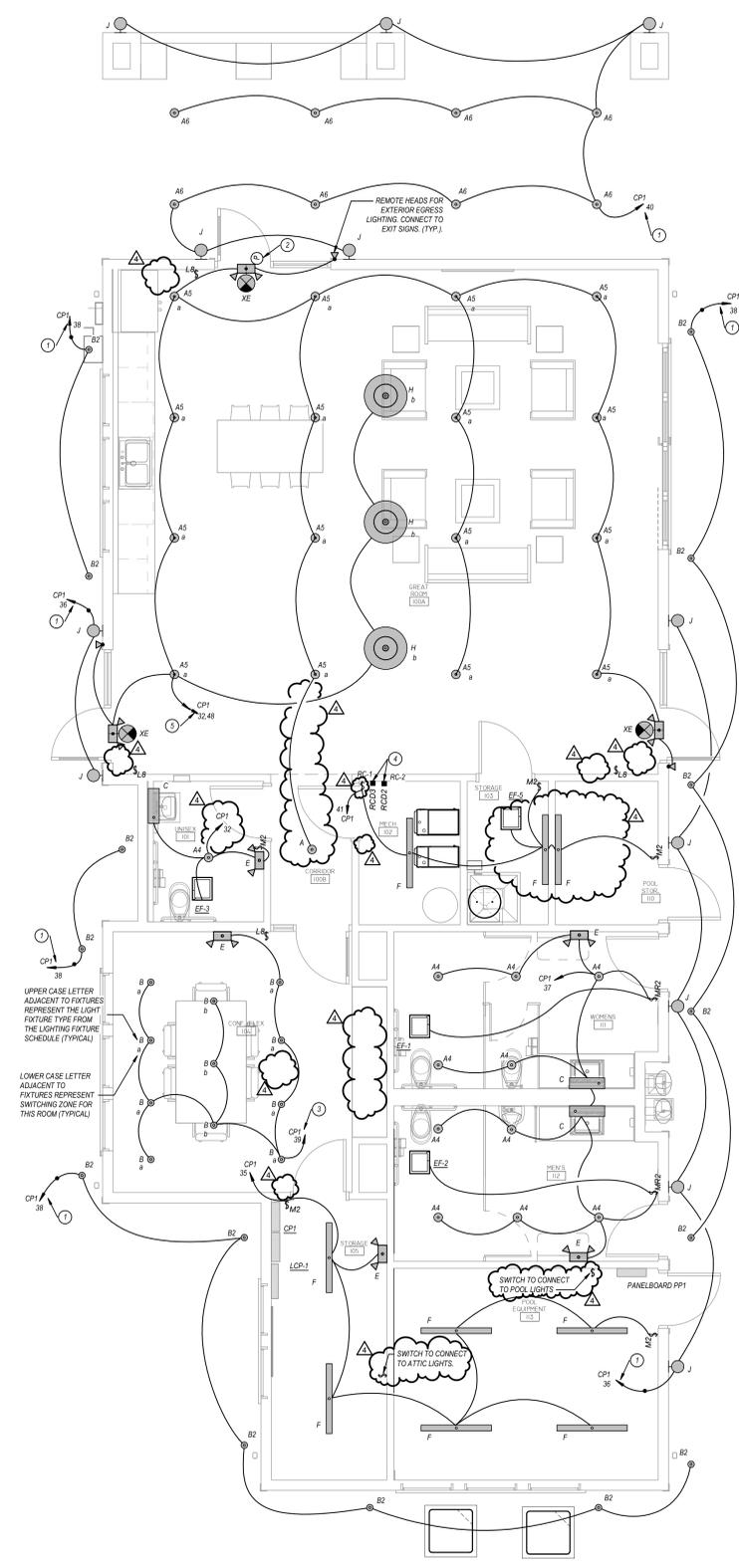
- STANDARD SENSORS/CONTROLLERS**
- WALL MOUNTED SENSOR
 - WALL MOUNTED SENSOR - DUAL RELAY
 - CORNER MOUNTED (ON CEILING) MOTION SENSOR
 - CORNER MOUNTED (ON WALL) MOTION SENSOR
 - CEILING MOUNTED MOTION SENSOR
- DIGITAL LIGHTING MANAGEMENT SENSORS/CONTROLLERS**
- DIGITAL WALL MOUNTED SENSOR
 - DIGITAL WALL MOUNTED SENSOR - DUAL RELAY
 - DIGITAL CORNER MOUNTED (ON WALL) MOTION SENSOR
 - DIGITAL CEILING MOUNTED MOTION SENSOR
 - DIGITAL ON/OFF SWITCH (# INDICATES NO. OF BUTTONS)
 - DIGITAL DIMMING SWITCH (# INDICATES NO. OF BUTTONS)
 - DIGITAL ON/OFF ROOM CONTROLLER
 - DIGITAL DIMMING ROOM CONTROLLER
- LIGHTING CONTROL PANEL SYSTEMS**
- LIGHTING CONTROL PANEL SWITCH
 - LIGHTING CONTROL PANEL

TRAINING AND PROGRAMMING

- OWNER TRAINING:**
- PROVIDE FACTORY REPRESENTATIVE TRAINING TO OWNER FOR EACH LIGHTING CONTROL SYSTEM UTILIZED, INCLUDING PROGRAMMING FOR SCHEDULING AND OPERATION OF EACH ROOM PER OWNER DIRECTION.
 - PROVIDE RECORD OF TIME DELAY SETTINGS ON ALL SENSOR DEVICES FOR OWNER USE.
- SENSOR ADJUSTMENTS AND SETTINGS:**
- SYSTEMS SHALL BE SET/PROGRAMMED TO OPERATE TYPICALLY IN MANUAL ON/AUTO OFF MODE.
 - SET WALL MOUNTED MOTION SENSOR TO MANUAL ON MODE.
 - SET POWER PACKS AND ROOM CONTROLLERS CONTROLLED BY MOTION SENSORS TO MANUAL ON AND CONTROL WITH MOMENTARY WALL SWITCH.
 - PROVIDE FINAL SETTINGS/ADJUSTMENTS PER OWNER'S DIRECTION.

CONTROLS SEQUENCES

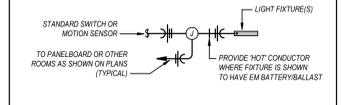
- WALL MOUNTED LINE VOLTAGE SENSORS:**
- TURN ON LIGHTS VIA PROGRAMMA UPON BUTTON ON SENSOR BEING ACTIVATED BY OCCUPANT.
 - TURN OFF LIGHTS AFTER NO MOTION IS DETECTED AND DELAY EXPIRES.
- GREAT ROOM:**
- MANUAL ON AND DIMMING CONTROL OF LIGHTING VIA DIMMING SWITCHES.
 - TURN OFF LIGHTS AFTER NO MOTION IS DETECTED BY WALL MOUNTED SENSOR AND DELAY EXPIRES.
 - PROVIDE SWITCHES AT EACH DOOR.
 - WHERE MULTIPLE SWITCH LOCATIONS ARE SHOWN, EACH SWITCH IS TO FUNCTION AS A THREE-WAY SWITCH IN CONJUNCTION WITH THE SWITCH SERVING SAME LOAD AT THE OTHER DOOR IN THE ROOM.
 - DIM AND CONTROL ROOM ZONES INDIVIDUALLY FOR PENDANTS AND DOWNLIGHTS.
- PUBLIC RESTROOMS (MULTI OCCUPANT):**
- TURN ON LIGHTS AUTOMATICALLY UPON SENSING MOTION.
 - TURN OFF LIGHTS AFTER NO MOTION IS DETECTED AND DELAY EXPIRES.
 - INTERLOCK VIA RELAY TO CONTROL EXHAUST FANS WHERE SHOWN.
 - PUBLIC RESTROOMS (SIMPLE OCCUPANT):
 - SAME AS GENERAL WALL MOUNTED LINE VOLTAGE SENSOR SEQUENCES, EXCEPTING:
 - OPERATE EXHAUST FAN VIA SECOND RELAY FROM WALL MOUNTED SWITCH AND SET DELAY FOR 1 MIN AFTER LIGHTS TURN OFF.
- CONFERENCE/EX ROOM:**
- MANUAL ON/OFF AND DIMMING CONTROL OF LIGHTING VIA DIMMING SWITCHES.
 - TURN OFF LIGHTS AFTER NO MOTION IS DETECTED AND DELAY EXPIRES.
 - PROVIDE SWITCHES AT EACH DOOR.
 - DIM AND CONTROL ROOM ZONES INDIVIDUALLY FOR CONFERENCE TABLE AND PERIMETER AREAS.
 - EACH SWITCH IS TO FUNCTION AS A THREE-WAY SWITCH IN CONJUNCTION WITH THE SWITCH SERVING SAME LOAD AT THE OTHER DOOR IN THE ROOM.



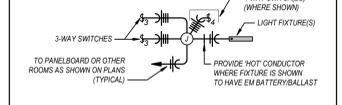
TYPICAL WIRING OF CONTROLS AND LIGHT FIXTURES

THE WIRING AND/OR TIC MARKS SHOWN BELOW ARE NOT SHOWN ON THE PLANS FOR CLARITY. PROVIDE WIRING FROM JUNCTION BOXES TO SWITCHES/CONTROLLERS AND LIGHT FIXTURES AS SHOWN BELOW FOR EACH ROOMAREA.

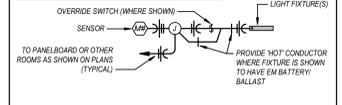
LINE VOLTAGE STANDARD WALL SWITCHES



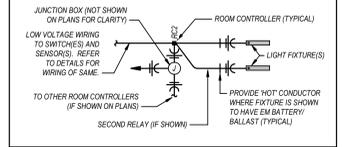
3-WAY WALL SWITCHES

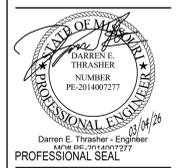
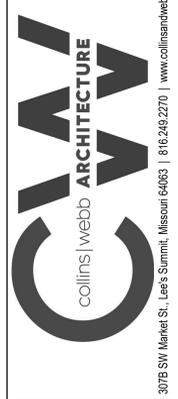


LINE VOLTAGE CEILING SENSORS



ROOM CONTROLLERS / POWER PACKS





GENERAL POWER NOTES

- REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
- COORDINATE EXACT NEMA CONFIGURATIONS OF RECEPTACLES SERVING EQUIPMENT WITH EXACT EQUIPMENT BEING FURNISHED.
- EXACT MECHANICAL EQUIPMENT LOCATIONS MAY NOT BE SHOWN FOR CLARITY. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, DUCT DETECTORS, ETC. WITH MECHANICAL DRAWINGS AND CONTRACTOR.
- COORDINATE EXACT LOCATIONS OF SMOKE DETECTORS WITH CEILING FANS, HVAC DIFFUSERS, SPRINKLER HEADS, ETC. PER NFPA REQUIREMENTS.

KEYED NOTES - POWER

- SWITCH ABOVE COUNTER FOR GARBAGE DISPOSAL. GANG WITH RECEPTACLE ADJACENT.
- TWO (2) 3" CONDUITS FOR TELECOMMUNICATION AND TELEVISION SERVICES. STUB UP TO 12" ABOVE FINISH FLOOR WITH BUSSED ENDS. COORDINATE WITH SERVICE PROVIDER.
- RECEPTACLE TELEVISION AND DATA OUTLETS INSTALLED BEHIND WALL MOUNTED TELEVISION. REFER TO ARCHITECTURAL ELEVATIONS. VERIFY EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER/ARCHITECT. AND ADJUST DEVICE LOCATIONS BASED ON ACTUALLY PROVIDED TELEVISION AND MOUNTING BRACKET. FOR THE TELEVISION OUTLET, PROVIDE HBL306 4"x3.25" BACK BOX WITH 2" CONDUIT KNOCKOUT. AT THE CONVERSATION ROOM, EXTEND 2" CONDUIT FROM BOX DOWN TO BELOW GRADE AND EXTEND TO FLOOR BOX.
- ROUGH-IN AND CONNECT TO SECURITY PANEL PROVIDED BY OTHERS. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH SECURITY PANEL PROVIDER.
- ROUGH-IN FOR SECURITY CAMERA BY OTHERS. COORDINATE EXACT LOCATION AND NUMBER OF CAMERAS REQUIRED WITH SECURITY CAMERA PROVIDER AND OWNER. EXTEND (1) 3/4" CONDUIT ABOVE/UP ACCESSIBLE CEILING BACK TO MAIN SECURITY PANEL.
- RECEPTACLES FOR GRILLE LOCATION. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO ANY ROUGH-IN.
- (2) #8 WIRE AND (1) #10 GROUND WITH 3/4" CONDUIT.
- WIRE RAMP THROUGH AQUASTAT FOR CONTROL. COORDINATE ALL REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- MOTORIZED DAMPER ON OUTSIDE AIR DUCT. EXTEND WIRING TO FURNACE AND PROVIDE RELAY FOR OPEN/CLOSE CONTROL PER THE OUTSIDE AIR DAMPER WIRING SCHEMATIC ON SHEET A001. DAMPER SHALL OPEN WHEN FURNACE IS ON AND CLOSE WHEN OFF. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
- RECEPTACLE INSTALLED AS HIGH AS POSSIBLE BELOW THE ROOF EAVE. COORDINATE WITH OWNER/ARCHITECT PRIOR TO ANY ROUGH-IN. VERIFY EXACT LOCATION AND ALL REQUIREMENTS WITH OWNER/ARCHITECT PRIOR TO ANY ROUGH-IN. WIRE THROUGH LIGHTING CONTROL PANEL LCP-1.
- RECEPTACLE INSTALLED IN SOFFIT FOR LIGHTING. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO ANY ROUGH-IN.
- PROVIDE 4-POLE LIGHTING CONTACTOR FOR POOL LIGHTING CIRCUITS. WIRE COIL OF CONTACTOR THROUGH LIGHTING CONTROL PANEL LCP-1 FOR TIME/CLOCK CONTROL.
- ALL POOL EQUIPMENT PROVIDED AND ASSOCIATED ELECTRICAL EQUIPMENT AND WIRING BY POOL CONSULTANT.
- 400A, 2-POLE, NON-FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE.

ELECTRICAL FLOOR DEVICE SCHEDULE

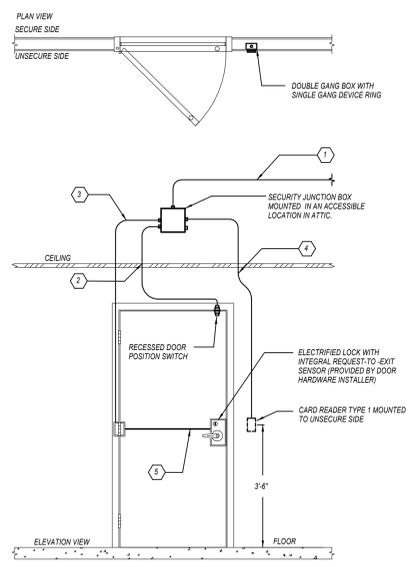
MARK	MANUFACTURER / MODEL	DESCRIPTION	CORE HOLE SIZE	FIRE RATING	CONDUIT - POWER NO. SIZE	CONDUIT - LV NO. SIZE	DEVICE QUANTITIES RECEPTACLES TELECOM	MODEL # / DESCRIPTION	SUB-PLATE / OPENINGS FOR OVERLY RECEPTACLES AND (2) FACELATES FOR (8) KEYSTONE JACKS OR FLUSH-KV CONNECTORS.	MODEL # / DESCRIPTION	COVER / CAST ALUMINUM RECESSED COVER ASSEMBLY, BLACK FINISH	REMARKS
FR-2		4 GANG RECESSED FLOOR BOX			2 3/4"	2 1 1/2"	4					1,2,3,4

REMARKS:
 1. COORDINATE FINISH COLORS WITH ARCHITECT/OWNER PRIOR TO ORDERING.
 2. CONTRACTOR TO FURNISH/INSTALL DEVICES AS SHOWN.
 3. LOW VOLTAGE DEVICES BY OTHERS/OTHERS.
 4. WINGED DOORS OPEN 180°. SCREWS ALLOW EACH DOOR TO BE SECURED SHUT.

DISCONNECT SWITCH SCHEDULE

MARK	SWITCH RATING	POLES	TYPE	DESCRIPTION	ENCLOSURE TYPE	LOCATION	EQUIPMENT SERVED	NOTES
DS-1	30	2	NON-FUSIBLE	HEAVY-DUTY DISCONNECT SWITCH	NEMA 3R		CU-1	1,2
DS-2	30	2	NON-FUSIBLE	HEAVY-DUTY DISCONNECT SWITCH	NEMA 3R		CU-2	1,2
DS-3	30	2	NON-FUSIBLE	HEAVY-DUTY DISCONNECT SWITCH	NEMA 1	STORAGE 103	WH	7
DS-5	400	2	NON-FUSIBLE	HEAVY-DUTY DISCONNECT SWITCH	NEMA 3R			

1. (2) MOUNT IN ATTIC ABOVE/UP ACCESSIBLE CEILING. (2) MOUNT AT 20" TO BOTTOM OF EXISTING ACCESSIBLE CEILING.



KEYED NOTES

- ONE (1) 1" EC FROM SECURITY JUNCTION BOX TO ACCESS CONTROL PANEL.
- ONE (1) 3/4" EC FROM DOOR POSITION SWITCH MOUNT LOCATION TO ACCESSIBLE AFC.
- ONCE (1) 3/4" EC FROM ACCESSIBLE AFC STUBBED BEHIND DOOR FRAME TO ELECTRIFIED POWER TRANSFER DEVICE.
- DOUBLE GANG BOX WITH SINGLE GANG DEVICE RING MOUNTED 42" A.F.F. WITH ONE (1) 3/4" TO ACCESSIBLE AFC.
- ONE (1) 3/8" CORE DRILL THROUGH DOOR TO LOCKSET.

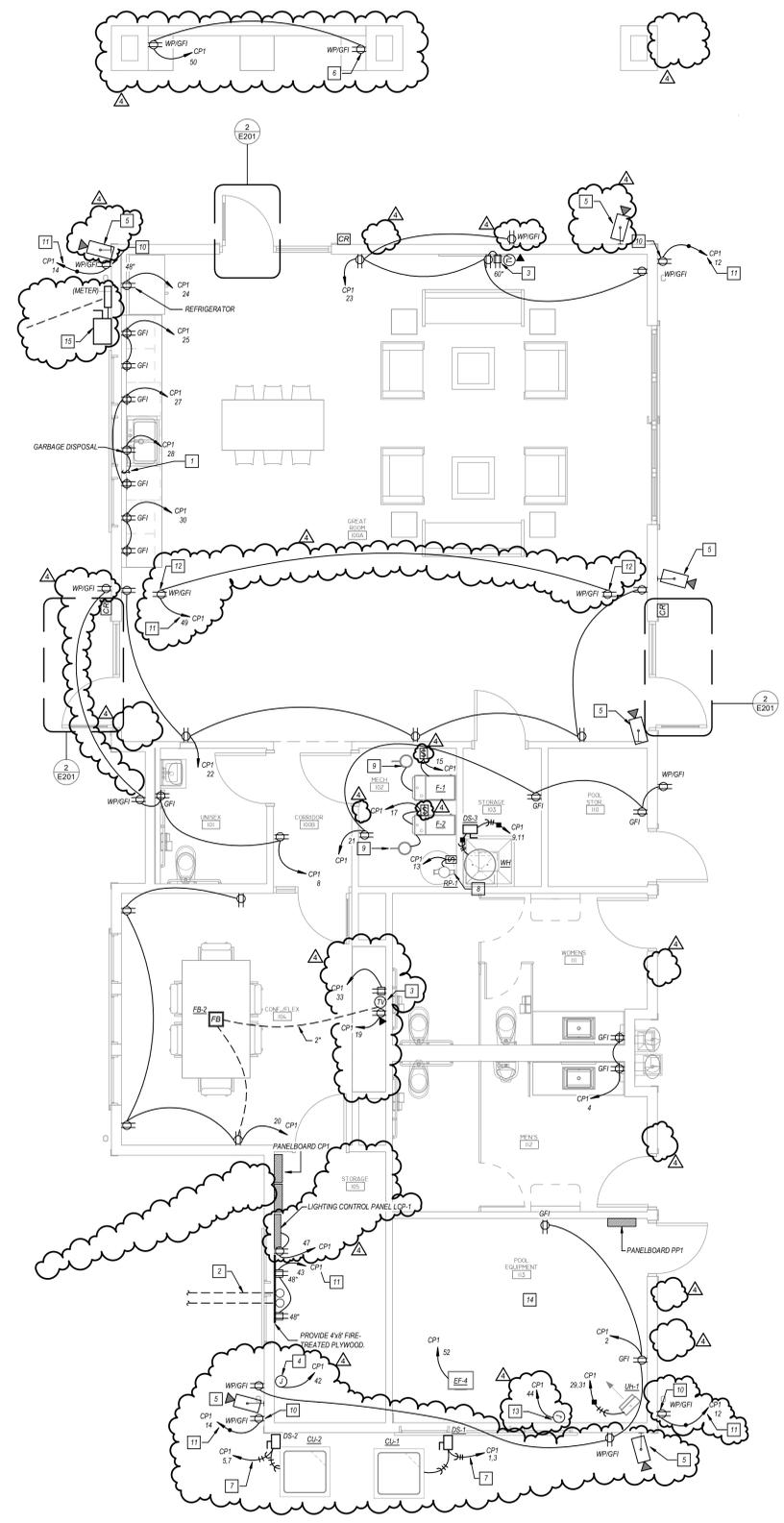
GENERAL NOTES

- PROVIDE MANUFACTURERS REQUIRED CABLING FOR INTERCONNECTION OF ALL ACCESS CONTROL SYSTEM COMPONENTS PER SPECIFICATIONS.
- ALL CARD READERS SHALL BE RFI2 COMPLIANT.
- THESE DIAGRAMS INDICATE ELECTRONIC ACCESS CONTROL SYSTEM COMPONENTS ONLY. REFER TO SPECIFICATIONS FOR OTHER HARDWARE AND CONSTRUCTION REQUIREMENTS.
- ACCESS CONTROL TYPE OR ONLY INDICATES THE SCHEMATIC CONFIGURATION OF ACCESS CONTROL ELECTRONICS AND MOUNTING HARDWARE. REFER TO SECTIONAL OVERHEAD DOOR SPECIFICATION FOR OTHER DOOR / GATE HARDWARE REQUIREMENTS.
- PROVIDE CABLING AND CONNECTIONS TO GATE CONTROLLERS FOR VEHICLE GATES.

ABBREVIATIONS

- DP = RECESSED DOOR CONTACT (DOOR POSITION SWITCH)
- ES = ELECTRIC STRIKE
- CARD = PROXIMITY CARD READER
- REQ = REQUEST TO EXIT

2 ACCESS CONTROL DETAIL
 NOT TO SCALE



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



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LIGHT FIXTURE SCHEDULE

FIXTURE TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	ID	WATTS	LUMENS	CRI	CCF	DIMMING	VOLTAJE	REMARKS	
A	WILLIAMS	6DR SERIES	6" ROUND RECESSED DOWNLIGHT, DIE-FORMED STEEL PAN WITH FINISHED EXTRUDED ALUMINUM PASSIVE HEAT SINK, OPEN, SELF-FLANGED, SEM-SPICULAR LOW INDEX FINISH ALUMINUM REFLECTOR WITH WIDE BEAM DISTRIBUTION, T0 LENS OVER DIODES AND IC-RATED HOUSING.	L20	19	1782	80	3000K	0-10V	120	1	
A4	WILLIAMS	6DR SERIES	SAME AS TYPE A EXCEPT WITH A DIFFERENT LUMEN PACKAGE.	L20	13.8	1487	80	3000K	0-10V	120	1	
A5	WILLIAMS	6AR SERIES	6" ROUND RECESSED DOWNLIGHT, DIE-FORMED STEEL PAN WITH FINISHED EXTRUDED ALUMINUM PASSIVE HEAT SINK, OPEN, SELF-FLANGED, SEM-SPICULAR LOW INDEX FINISH ALUMINUM REFLECTOR WITH WIDE BEAM DISTRIBUTION, AND IC-RATED HOUSING.	L30	31.3	2917	80	3000K	0-10V	120	1	
A6	WILLIAMS	6AR SERIES	6" ROUND RECESSED DOWNLIGHT, DIE-FORMED STEEL PAN WITH FINISHED EXTRUDED ALUMINUM PASSIVE HEAT SINK, OPEN, SELF-FLANGED, SEM-SPICULAR LOW INDEX FINISH ALUMINUM REFLECTOR WITH WIDE BEAM DISTRIBUTION, WET/CO LENS OVER DIODES AND IC-RATED HOUSING.	L30	31.3	2917	80	3000K	0-10V	120	1	
B	WILLIAMS	4DR SERIES	4.5" ROUND RECESSED DOWNLIGHT, DIE-FORMED STEEL PAN WITH FINISHED EXTRUDED ALUMINUM PASSIVE HEAT SINK, OPEN, SELF-FLANGED, SEM-SPICULAR LOW INDEX FINISH ALUMINUM REFLECTOR WITH MEDIUM BEAM DISTRIBUTION, T0 LENS OVER DIODES AND IC-RATED HOUSING.	L20	19.8	2005	80	3000K	0-10V	120	1	
B2	WILLIAMS	4DR SERIES	4.5" ROUND RECESSED DOWNLIGHT, DIE-FORMED STEEL PAN WITH FINISHED EXTRUDED ALUMINUM PASSIVE HEAT SINK, OPEN, SELF-FLANGED, SEM-SPICULAR LOW INDEX FINISH ALUMINUM REFLECTOR WITH NARROW BEAM DISTRIBUTION, WET/CO LENS OVER DIODES AND IC-RATED HOUSING.	L20	19.8	2005	80	3000K	0-10V	120	1	
C	PROGRESS	FR00190-001-30	2x3 LIGHT LED SCENE FOR BATHROOM VANITY FURNISH WITH DOWNWARD FACING LUMINAIRES, MATTE BLACK SHADES, AND BRUSHED NICKEL FINISH.	-	THREE (3) 100 WATT E26 SOCKET	-	-	-	3000K	0-10V	120	1,2
F	WILLIAMS	7FR SERIES	4x10" LONG STANDARD STRIP FIXTURE WITH ROUND LENS AND SURFACE MOUNTING, ALL PARTS PAINTED WHITE AFTER FABRICATION.	L68	42.3	8313	80	3000K	0-10V	120	1	
H	CAPITAL LIGHT FIXTURE COMPANY	42691MB	CHANDLER FURNISHED, CONTRACTOR INSTALLED PENDANT LIGHT, CONTRACTOR TO PROVIDE LED BULB MAX 14W PER BULB, COORDINATE WITH OWNER FOR BULB TYPE, COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT/OWNER.	-	168	1500	-	-	3000K	-	120	1,2,3
J	MILLENNIUM LIGHTING	R SERIES RWS17-RQW2	17" DIAMETER COOSNECK WALL MOUNTED SHADE LIGHT, FURNISHED WITH SATIN BLACK FINISH, UL LISTED FOR WET LOCATIONS, VERIFY EXACT MOUNTING LOCATIONS AND HEIGHTS WITH ARCHITECT/OWNER.	-	ONE (1) 200 WATT E26 SOCKET	-	-	-	3000K	-	120	1,2
K	INVEE LIGHTING	ARBOR POST TOP SERIES	DECORATIVE POST-TOP SINGLE-HEAD LIGHT, LED, WITH TWO-PIECE IP68 RATED CORROSION RESISTANT ALUMINUM HOUSING, WAVESTRIM LED OPTICS TYPE II DISTRIBUTION WITH 2" ROUND, ALUMINUM, TAPERED 14-0" TALL POLE BASE WITH COVER.	B3	96	8740	80	3000K	0-10V	120	1	
S1	MCGRAW-EDISON	GALLEON LED GLEON SERIES	POLE MOUNTED AREA LIGHT, LOW-PROFILE, ONE-PIECE DIE-CAST ALUMINUM HOUSING, LIGHT SQUARE LED ARRAY, REFER TO LAMP SPECIFICATIONS FOR QUANTITY, 182 TYPICAL WIRE DISTRIBUTION, DIE CAST ALUMINUM MOUNTING ARM, PROVIDE WITH 15" HIGH SQUARE STRAIGHT STEEL POLE, POWDER COAT FINISH DARK BRONZE - COORDINATE EXACT COLOR WITH ARCHITECT AND OWNER.	S430	191	23,522	70	3000K	ND	120	1	
S2	MCGRAW-EDISON	GALLEON LED GLEON SERIES	SAME AS TYPE S1 EXCEPT WITH HOUSE SIDE SHIELD.	S430	191	23,522	70	3000K	ND	120	1	
XE	DUAL-LIFE	EVC SERIES	COMBINATION EMERGENCY LIGHTING UNIT / EXIT LIGHT, UV-STABLE THERMOPLASTIC HOUSING, FINISH WHITE, ADJUSTABLE EYEBALL STYLE LIGHTING HEADS WITH GLASS LENS FOR EMERGENCY LIGHT, EXIT SIGN TO HAVE RED LETTERS WITH DIRECTIONAL ARROWS AS INDICATED ON THE PLANS, MAINTENANCE-FREE LITHIUM ION PHOSPHATE BATTERY FOR 90 MINUTE OPERATION OF LAMPS AND EXIT SIGN, FURNISH WITH CAPACITY FOR REMOTE HEAD, FULLY AUTOMATIC, SOLID-STATE CHARGER WITH TEST SWITCH AND AC-ON INDICATOR.	-	TOTAL POWER CONSUMPTION = 2.4 WATTS EMERGENCY FOUR (4) HIGH-OUTPUT LEADS EXIT FOUR (4) HIGH-OUTPUT LEADS	-	-	-	-	120	-	
ERH	DUAL-LIFE	EVO	OUTDOOR REMOTE WITH 2 HEADS, BLACK FINISH	-	2 WATT HEADS	-	-	-	-	120	1	
E	DUAL-LIFE	EV SERIES	LOW-PROFILE EMERGENCY LIGHTING UNIT, FLAME-RATED, UV-STABLE THERMOPLASTIC HOUSING, TWO (2) SEM-RECESSED, ADJUSTABLE EYEBALL HEADS WITH GLASS LENS, WHITE FINISH, MAINTENANCE-FREE BATTERY FOR 90 MINUTE OPERATION OF LAMPS, INTEGRAL TEST SWITCH, SELF-DIAGNOSTICS AND AC-ON INDICATOR.	-	2 WATT HEADS	-	-	-	-	120	1	

REMARKS:
1. FURNISH WITH AND INSTALL ALL NECESSARY HARDWARE AND MOUNTING BRACKETS.
2. FURNISH WITH GREEN SCREEN IN BASE OMNIDIRECTIONAL LED LAMPS IN LIEU OF INCANDESCENT LAMPS. USE 9W LAMPS FOR 60W INCANDESCENT, 8W FOR 40W, 13.5W FOR 75W, AND 18W FOR 100W.
3. FIXTURE IS OWNER-PROVIDED, CONTRACTOR INSTALLED. COORDINATE EXACT ROUGH-IN REQUIREMENTS PRIOR TO CONSTRUCTION.

GENERAL NOTES APPLICABLE TO ALL FIXTURES:
1. EQUALS ARE ACCEPTABLE ON ALL LIGHT FIXTURES UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO SPECIFICATIONS FOR APPROVED EQUAL FIXTURE MANUFACTURERS.
2. ALL DRIVERS ARE INTEGRAL TO FIXTURE UNLESS NOTED OTHERWISE. REFER TO SPECIFICATIONS FOR ADDITIONAL FIXTURE/DRIVER/BALLAST REQUIREMENTS.
3. ALL FIXTURES WITH PAINTED METAL PARTS SHALL BE PAINTED AFTER FABRICATION.
4. LUMENS LISTED FOR LED FIXTURES ARE GENERALLY DELIVERED LUMENS UNLESS NOTED OTHERWISE.
5. ALL EXTERIOR LED FIXTURES ARE FULL CUTOFF UNLESS NOTED OTHERWISE.
6. ALL FIXTURES IN FOOD PREPARATION OR SERVING AREAS SHALL BE FURNISHED WITH SHAFTER-RESISTANT LAMPS UNLESS NOTED.
7. ALL FIXTURES SHALL BE IC RATED OR PROVIDED WITH INSULATION SHIELDS WHEN INSTALLED IN INSULATED AREAS OF THE TRUSS SPACE.
8. FOR ALL FIXTURES INSTALLED IN RATED ASSEMBLIES, FURNISH AND INSTALL APPROVED FIRE BARRIER (E.Z. BARRIER OR TENANT FF109 SERIES) OVER FIXTURE TO MAINTAIN 1 HOUR CEILING ASSEMBLY RATING.
9. FIXTURE TO BE SELECTED BY OWNER AND FURNISHED AND INSTALLED BY CONTRACTOR.

SINGLE-SECTION PANELBOARD SCHEDULE

PANEL DESIGNATION: **PP1**

MAIN LUG AMPS: 125
MAIN BREAKER: M.L.O.
VOLTAGE: 240/120
PHASE/WIRE: 1Ø 3W

DESCRIPTION	PHASE				TRIP	POLE	C/B				DESCRIPTION	
	A	B	TRIP	POLE			TRIP	POLE	A	B		
SPARE	-	-	20	1	1	2	1	20	-	-	20	SPARE
SPARE	-	-	20	1	3	4	1	20	-	-	20	SPARE
SPARE	-	-	20	1	5	6	1	20	-	-	20	SPARE
SPARE	-	-	20	1	7	8	1	20	-	-	20	SPARE
SPARE	-	-	20	1	9	10	1	20	-	-	20	SPARE
SPARE	-	-	20	1	11	12	1	20	-	-	20	SPARE
SPARE	-	-	20	1	13	14	1	20	-	-	20	SPARE
SPARE	-	-	20	1	15	16	1	20	-	-	20	SPARE
SPARE	-	-	20	1	17	18	1	20	-	-	20	SPARE
SPACE	-	-	-	-	19	20	1	-	-	-	-	SPACE
SPACE	-	-	-	-	21	22	1	-	-	-	-	SPACE
SPACE	-	-	-	-	23	24	1	-	-	-	-	SPACE
SPACE	-	-	-	-	25	26	1	-	-	-	-	SPACE
SPACE	-	-	-	-	27	28	1	-	-	-	-	SPACE
SPACE	-	-	-	-	29	30	1	-	-	-	-	SPACE
SPACE	-	-	-	-	31	32	1	-	-	-	-	SPACE
SPACE	-	-	-	-	33	34	1	-	-	-	-	SPACE
SPACE	-	-	-	-	35	36	1	-	-	-	-	SPACE
SPACE	-	-	-	-	37	38	1	-	-	-	-	SPACE
SPACE	-	-	-	-	39	40	1	-	-	-	-	SPACE
SPACE	-	-	-	-	41	42	1	-	-	-	-	SPACE
TOTALS	0	0	-	-	1	41	42	1	-	-	-	TOTALS

PANELBOARD SIZING LOAD

LOAD DESCRIPTION	CONNECTED	DEMAND	CODE MIN. (VA)
LIGHTS	0	1.25	0
RECEPTACLES	0	100% + 50% REST	0
MOTORS	0	100% + 50% REST	0
AIR CONDITIONING	0	1.00	0
SPACE HEATING	0	0.00	0
CONTINUOUS	0	1.25	0
NON-CONTINUOUS	0	1.00	0
POOL EQUIPMENT	16,000	1.00	16,000
MISC. LOADS 2	0	1.00	0
SIZING LOAD:	16,000		
SIZING LOAD (AMPS):		67	

CONNECTED PHASE LOADS

PHASE	VA	AMPS
A	0	0.0
B	0	0.0
TOTALS	0	0.0

REMARKS:
1. SQUARE D NO PANELBOARD OR EQUAL.

TWO-SECTION PANELBOARD SCHEDULE

PANEL DESIGNATION: **CP1**

MAIN LUG AMPS: 400
MAIN BREAKER: 400
VOLTAGE: 240/120
PHASE/WIRE: 1Ø 3W

DESCRIPTION	PHASE				TRIP	POLE	C/B				DESCRIPTION
	A	B	TRIP	POLE			TRIP	POLE	A	B	
CONDENSING UNIT CU-1	2563	2563	30	2	3	4	1	20	300	150	RECEPT-POOL EQUIP
CONDENSING UNIT CU-2	1987	1987	30	2	5	6	1	20	180	180	RECEPT-RR 111,112 COUNTER
WATER HEATER WH	2230	2230	25	2	7	8	1	20	180	180	RECEPT-RR 101/102/EXT.
RECIRC PUMP RP-1	700	2250	15	1	11	12	1	20	500	500	LTS-CHRISTMAS LTS EAST
FURNACE F-1	1175	1175	20	1	13	14	1	20	500	500	LTS-CHRISTMAS LTS WEST
RECEPT-CONF FLEX TV	150	150	20	1	15	16	1	20	180	180	RECEPT-CONF FLEX TV
RECEPT-GREAT ROOM	900	900	20	1	17	18	1	20	180	180	RECEPT-GREAT ROOM
RECEPT-GREAT ROOM COUNTER	190	190	20	1	19	20	1	20	180	180	RECEPT-GREAT ROOM COUNTER
RECEPT-GREAT ROOM COUNTER	180	180	20	1	21	22	1	20	180	180	RECEPT-GREAT ROOM COUNTER
ELECTRIC UNIT HEATER UH-1	2500	2500	30	2	23	24	1	20	180	180	RECEPT-GREAT ROOM COUNTER
RECEPT-CONF FLEX	360	360	20	1	25	26	1	20	110	110	LTS-RR 101 CORRIDOR
LTS-POOL EQUIP/STOR.	390	390	20	1	27	28	1	20	400	400	LTS-POOL DECK POST LIGHTS
LTS-MEN/WOMENS	342	390	20	1	29	30	1	20	297	297	LTS-EXTERIOR BLDG
LTS-CONF FLEX	280	280	20	1	31	32	1	20	120	120	LTS-EXTERIOR SOFFIT
LTS-MECH/STOR/POOL STOR	186	186	20	1	33	34	1	20	200	200	LTS-RATIO
TOTALS	12464	11595	-	-	41	42	1	-	3066	6400	TOTALS

SECOND SECTION: CP1

MAIN LUG AMPS: 400
MAIN BREAKER: -
VOLTAGE: 240/120
PHASE/WIRE: 1Ø 3W

DESCRIPTION	PHASE				TRIP	POLE	C/B				DESCRIPTION
	A	B	TRIP	POLE			TRIP	POLE	A	B	
RECEPT-STORAGE	220	220	1	1	43	44	1	20	190	190	POOL LIGHTING CONTRACTOR
SPACE HEATING	0	0	20	1	45	46	1	20	34	34	LTS-PARKING LOT
LIGHTING CONTROL PANEL LCP-1	800	800	20	1	47	48	1	20	1003	1003	LTS-GREAT ROOM
RECEPT-POOL DECK	150	150	1	1	50	51	1	20	360	360	RECEPT-POOL DECK
SPACE HEATING	260	260	20	1	52	53	1	20	15	15	EXHAUST FAN (F-5)
SPACE HEATING	55	55	1	1	55	56	1	20	54	54	SPACE
SPACE HEATING	57	57	1	1	57	58	1	20	54	54	SPACE
SPACE HEATING	59	59	1	1	59	60	1	20	54	54	SPACE
SPACE HEATING	61	61	1	1	61	62	1	20	54	54	SPACE
SPACE HEATING	63	63	1	1	63	64	1	20	54	54	SPACE
SPACE HEATING	65	65	1	1	65	66	1	20	54	54	SPACE
SPACE HEATING	67	67	1	1	67	68	1	20	54	54	SPACE
SPACE HEATING	69	69	1	1	69	70	1	20	54	54	SPACE
SPACE HEATING	71	71	1	1	71	72	1	20	54	54	SPACE
SPACE HEATING	73	73	1	1	73	74	1	20	54	54	SPACE
SPACE HEATING	75	75	1	1	75	76	1	20	54	54	SPACE
SPACE HEATING	77	77	1	1	77	78	1	20	54	54	SPACE
PANELBOARD PP1	0	0	100	2	79	80	1	20	84	84	SPACE
SPACE	81	81	1	1	81	82	1	20	84	84	SPACE
SPACE	83	83	1	1	83	84	1	20	84	84	SPACE
TOTALS	1580	1580	-	-	1182	1182	1	-	394	394	TOTALS

PANELBOARD SIZING LOAD

LOAD DESCRIPTION	CONNECTED	DEMAND	CODE MIN. (VA)
LIGHTS	8,542	1.25	11,678
RECEPTACLES	8,400	100% + 50% REST	8,400
MOTORS	2,352	100% + 50% REST	2,352
AIR CONDITIONING	8,100	1.00	8,100
SPACE HEATING	5,000	0.00	0
CONTINUOUS	4,872	1.25	5,846
NON-CONTINUOUS	200	1.00	200
POOL EQUIPMENT	16,000	1.00	16,000
MISC. LOADS 2	0		