

LIGHT FIXTURE SCHEDULE													
NOTE: SEE SPECIFICATIONS SECTIONS FOR ADDITIONAL INFORMATION REGARDING LIGHTING FIXTURE AND INSTALLATION REQUIREMENTS. PROVIDE OPTIONS AND ACCESSORIES REFERENCED BY THE COLUMN TITLED "OPTIONS/ACCESSORIES". MANUFACTURERS LISTED AS ACCEPTABLE SHALL MEET ALL REQUIREMENTS AND FEATURES INDICATED. ACCEPTABLE MANUFACTURERS MUST MEET THE PHOTOMETRIC PERFORMANCE OF THE LISTED UNIT.													
ABBREVIATIONS: DW = DRY WALL ES = EXPOSED STRUCTURE LG = LAY-IN GRID P = PENDANT PL = PLASTER PO = POLE R = RECESS S = SURFACE V = VARIES													
DES	QTY	LAMP DATA		DESCRIPTION	LIGHT FIXTURE		VOLTS	MOUNT	CEILING TYPE	FIXTURE DEPTH	OPTIONS / ACCESSORIES	ACCEPTABLE MANUFACTURES	SEE NOTES
		TYPE	COLOR		MANUFACTURE	CATALOG SERIES							
A	--	LED	--	EXTERIOR LED WALL PACK	DAYBRITE	WTN-24-U-BK	120	W	--	--	---	COOPER, LITHONIA, LSI	1
B	1	LED	--	EXTERIOR EGRESS LUMINAIRE	LUMINAIRE	AEL-24-22-120-DP-BKH-OCC	120	W	--	--	---	LITHONIA, DAYBRITE, LSI	2
C	2	F32T8	--	4FT LINEAR FLUORESCENT	LUMINAIRE	VPF-3-4-2F32T8-120-CP-GRY-CW-ST/SC-PRS	120	W	--	--	---	LITHONIA, DAYBRITE, LSI	1
D	1	32W PLT	--	15" SURFACE MOUNT ROUND	KENALL	RHR15-W	120	S	--	--	---	COOPER, DAYBRITE, LSI	1
EBU	2	LED	--	EMERGENCY BATTERY UNIT	LITHONIA	ELMZLED	120	W	--	--	---	COOPER, DAYBRITE, LSI	1

**LIGHT FIXTURE SCHEDULE NOTES:**

- SEE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS.
- FIXTURE SHALL BE MOUNTED ABOVE DOOR FRAME.

MOTOR STARTER SCHEDULE																			
GENERAL ABBREVIATIONS:			STARTER TYPES:			STARTER ACCESSORIES:			DISCONNECT TYPES:			FURNISHED BY:							
N/A	NOT APPLICABLE	MAN	MANUAL START SWITCH	DC	PROVIDE WITH SPARE SET OF DRY CONTACTS, 2 SETS NORMALLY OPEN & 1 SET NORMALLY CLOSED	FDS	FUSIBLE DISCONNECT SWITCH	EM	EQUIPMENT MANUFACTURE	EC	ELECTRICAL CONTRACTOR	MC	MECHANICAL CONTRACTOR	PC	PLUMBING CONTRACTOR	FC	FIRE PROTECTION CONTRACTOR		
FLA	FULL LOAD AMPS	FVNR	FULL VOLTAGE NON-REVERSING	DS	INTEGRAL DISCONNECT SWITCH	NFDS	NON-FUSED DISCONNECT SWITCH	EC	ELECTRICAL CONTRACTOR	EC	ELECTRICAL CONTRACTOR	MC	MECHANICAL CONTRACTOR	PC	PLUMBING CONTRACTOR	FC	FIRE PROTECTION CONTRACTOR		
KVA	KILOVOLT-AMPERES	FVR	FULL VOLTAGE REVERSING	HDA	INTEGRAL HAND-OFF-AUTO SELECTOR SWITCH	CB	CIRCUIT BREAKER DISCONNECT	MC	MECHANICAL CONTRACTOR	MC	MECHANICAL CONTRACTOR	PC	PLUMBING CONTRACTOR	FC	FIRE PROTECTION CONTRACTOR	FC	FIRE PROTECTION CONTRACTOR		
KW	KILOWATT	VFD	VARIABLE FREQUENCY DRIVE	HDA	INTEGRAL HAND-OFF-AUTO SELECTOR SWITCH	COMB	COMBINATION STARTER/FDS	PC	PLUMBING CONTRACTOR	PC	PLUMBING CONTRACTOR	FC	FIRE PROTECTION CONTRACTOR	FC	FIRE PROTECTION CONTRACTOR	FC	FIRE PROTECTION CONTRACTOR		
HP	HORSE POWER	TSW	TWO SPEED, 2 WINDING	TS	FACE MOUNTED ON-OFF TOGGLE SWITCH	CAP	CORD AND PLUG	FC	FIRE PROTECTION CONTRACTOR	FC	FIRE PROTECTION CONTRACTOR	FC	FIRE PROTECTION CONTRACTOR	FC	FIRE PROTECTION CONTRACTOR	FC	FIRE PROTECTION CONTRACTOR		
MCA	MINIMUM CIRCUIT AMPS	PB	FACE MOUNTED ON-OFF PUSH BUTTON SWITCH	PB	FACE MOUNTED ON-OFF PUSH BUTTON SWITCH														
		PL(G)	FACE MOUNTED PILOT LIGHT INDICATING STATUS (COLOR OF LIGHT: G=GREEN, Y=YELLOW, R=RED, W=WHITE)	PL(G)	FACE MOUNTED PILOT LIGHT INDICATING STATUS (COLOR OF LIGHT: G=GREEN, Y=YELLOW, R=RED, W=WHITE)														
GENERAL NOTES:																			
A. OBTAIN SUPPLIERS SHOP DRAWINGS / WIRING DIAGRAMS TO VERIFY LOCATION AND REQUIREMENTS PRIOR TO ROUGH-IN.																			
B. FURNISH HACR TYPE BREAKERS FOR ALL HVAC EQUIPMENT																			
C. ELECTRICAL CONTRACTOR SHALL INSTALL ALL STARTS AND DISCONNECTS AND PROVIDE ALL WIRING AND CONDUIT NEEDED FOR COMPLETE SYSTEM																			
D. ALL MOTORS SHALL BE PROVIDED WITH A DISCONNECT SWITCH LOCATED PER NEC REQUIREMENTS.																			
EQUIPMENT NUMBER	LOAD	VOLT	PHASE	LOCATION	DESCRIPTION	FED FROM		BREAKER		BRANCH WIRING			STARTER			DISCONNECT		SEE NOTES	
						PANEL	CKT	SIZE	POLE	#	SIZE	GND	CONDUIT	TYPE	FURNISHED BY	ACCESSORIES	TYPE		FURNISHED BY
1	-	-	-	-	NOT USED	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	-	-	-	-	NOT USED	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	6.1 MCA	120	1	102	GF-1	RPIA	6	20	1	2	#12	#12	3/4"	MAN	MC	--	NFDS	MC	1,2
4	9.0 MCA	120	1	102	ERV-1	RPIA	8	20	1	2	#12	#12	3/4"	MAN	MC	--	NFDS	EM	1,2
5	FRAC	120	1	102	MOTORIZED DAMPER	RPIA	27	20	1	2	#12	#12	3/4"	MAN	EM	--	NFDS	MC	1
6	FRAC	120	1	102	MOTORIZED DAMPER	RPIA	27	20	1	2	#12	#12	3/4"	MAN	EM	--	NFDS	MC	1

**MOTOR STARTER SCHEDULE NOTES:**

- ELECTRICAL CONTRACTOR TO COORDINATE EXACT REQUIREMENTS AND LOCATION WITH MECHANICAL CONTRACTOR
- OCCUPANCY SENSOR IN ROOM SHALL BE PROVIDED WITH AUXILIARY CONTACTS TO CONTROL MECHANICAL EQUIPMENT. EC SHALL COORDINATE WITH MECHANICAL CONTRACTOR WITH EXACT REQUIREMENTS.

SPECIAL PURPOSE OUTLET SCHEDULE														
#	SERVING	LOC	FEED FROM		BREAKER		WIRING				VOLT	PHASE	LOAD	SEE NOTE
			PANEL	CIRCUIT	SIZE	POLE	#	SIZE	GND	COND				
1	ELECTRIC HAND DRYERS	100	RPIA	21	20	1	2	#12	#12	3/4"	120	1	1.6	
2	ELECTRIC HAND DRYERS	104	RPIA	23	20	1	2	#12	#12	3/4"	120	1	1.6	
3	WATER HEATER (POU-1)	102	RPIA	9,11,13,15	40	2	2	#8	#10	3/4"	240	1	15 KW	2,7,9
4	WATER HEATER (POU-2)	102	RPIA	-	40	2	2	#8	#10	3/4"	240	1	6.5 KW	2,9,10
5	NOT USED	-	-	-	-	-	-	-	-	-	-	-	-	-
6	WATER SOFTNER	102	RPIA	29	20	1	2	#12	#12	3/4"	120	1	1.5 KW	2,8
FS	FLUSH SENSOR	100 / 104	RPIA	25	20	1	2	#12	#12	3/4"	120	1		2
LS	LAVATORY SENSOR	100 / 104	RPIA	25	20	1	2	#12	#12	3/4"	120	1		2

**SPECIAL PURPOSE OUTLET SCHEDULE NOTES:**

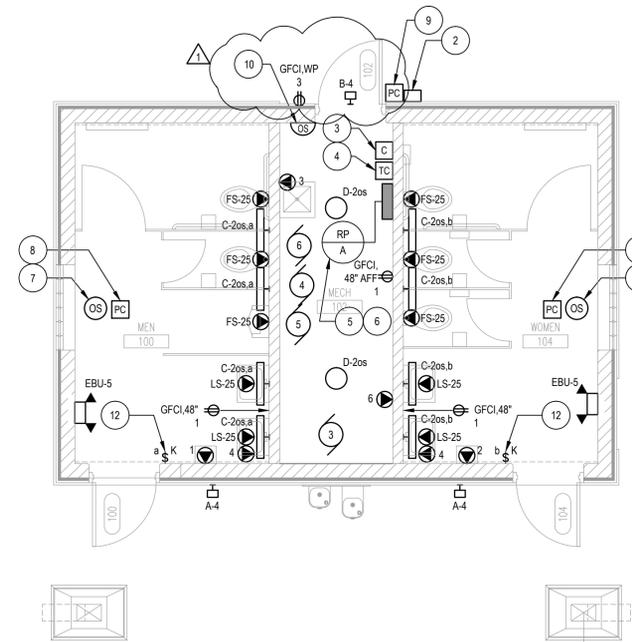
- EC SHALL COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
- EC SHALL COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- EC SHALL COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- EC SHALL COORDINATE EXACT LOCATION AND REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- EC SHALL INSTALL NON-FUSED DISCONNECT SWITCH PROVIDED BY MC.
- EC SHALL INSTALL MANUAL STARTER PROVIDED BY MC.
- EC SHALL INSTALL AND WIRE ELECTRIC HAND DRYER PROVIDED BY OTHERS.
- PROVIDE (2) DEDICATED CIRCUITS PER MANUFACTURE
- EC SHALL PROVIDE 20A 120V 1P DUPLEX RECEPTACLE
- PROVIDE DISCONNECT SWITCH ADJACENT TO WATER HEATER, ONE PER CIRCUIT.
- SEE PANEL SCHEDULE FOR CIRCUIT.

**GENERAL NOTES:**

- ALL CIRCUITS TO BE FED FROM PANEL "RPIA". UOI. SEE PANEL SCHEDULE FOR FURTHER DETAILS.
- SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS PERTAINING TO TYPE S2 REQUIREMENTS.

**SHEET NOTES:**

- NOT USED
- EC TO PROVIDE 400A 240V 1-PHASE, 3-WIRE METER SOCKET. COORDINATE EXACT REQUIREMENTS WITH LOCAL UTILITY
- EC TO PROVIDE ELECTRICALLY HEATED LIGHTING CONTRACTOR SQUARE D MODEL LG40 OR APPROVED EQUAL.
- EC TO PROVIDE ELECTRONIC ASTRONOMICAL TIME CLOCK IN AN INTERMATIC MODEL ET8215C OR APPROVED EQUAL. EC SHALL WIRE FOR PHOTOCELL "ON" AND TIME CLOCK "OFF" CONFIGURATION.
- EC TO PROVIDE 400A 240V 1P 3W PANEL SEE PANEL SCHEDULE ON SHEET E300 FOR FURTHER REQUIREMENTS. FOR MINOOKA PARK AREA 1&2 REFER TO PANEL "RPIA1" SCHEDULE. FOR MINOOKA PARK AREA 5 REFER TO PANEL "RPIA5" SCHEDULE. FOR MUKWONAGO PARK AREA 2&3 REFER TO PANEL "RPIA2" SCHEDULE.
- PROVIDE (2) SETS OF (3) #310 AWG AND (1) #3 GROUND IN (2) 2" CONDUITS FROM METER SOCKET TO ELECTRICAL PANEL.
- EC PROVIDE CEILING MOUNTED OCCUPANCY SENSOR WATTSTOPPER DT-300 OR APPROVED EQUAL. EC SHALL WIRE OCCUPANCY SENSOR AFTER KEYED SWITCH
- EC SHALL PROVIDE PHOTOCELL WATTSTOPPER LS-102 FOR INTERIOR LIGHT CONTROL. PHOTOCELL TO TURN "OFF" FIXTURES FOR DAYLIGHT THROUGH SKY LIGHT.
- EC SHALL PROVIDE PHOTOCELL WATTSTOPPER FOR EXTERIOR LIGHTING CONTROL. EC SHALL WIRE FOR PHOTOCELL "ON" AND TIME CLOCK "OFF" CONFIGURATION.
- EC SHALL PROVIDE A SINGLE POLE OCCUPANCY SENSOR WALL SWITCH MODEL DW-100 OR APPROVED EQUAL.
- NOT USED
- EC SHALL PROVIDE KEYED SWITCH. SWITCH SHALL BE WIRED AHEAD OF OCCUPANCY SENSOR.



**1 TYPE S2 - ELECTRICAL FLOOR PLAN**

1/4" = 1'-0"

**Waukesha County Parks  
Minooka and Mukwonago  
Park Restrooms**

**Minooka Park** | **Mukwonago Park**  
1927 E. Sunset Dr. | S100 W31900 County Hwy L0  
Waukesha, WI 53186 | Mukwonago, WI 53149

Owner  
Waukesha County Parks & Land Use  
515 West Moreland Boulevard  
Waukesha, Wisconsin 53188

Project No. **12219.00**

Issued For:

No.	Description	Date
01	Issued for Bidding	02-04-2014
02	Addendum 1	02-19-2014

Drawn by **HMC**  
Checked by **AW**  
File

**ELECTRICAL FLOOR PLAN &  
SCHEDULES**