

SPECIAL OUTLETS

MARK	DESCRIPTION
AV2	AV WALL INPUT PLATE. PROVIDE 2-GANG WALL OUTLET BOX FOR AUDIO-VISUAL CABLING MOUNTED AT 46" AFF. PROVIDE 1" CONDUIT WITH PULL ROPE TO ABOVE ACCESSIBLE CEILING.
FT	UNMETERED RV PEDESTAL WITH (2)20A, 125V. GFCI BREAKERS. (1)30A., 125V. BREAKER AND (1)50A., 2 POLE, 240V. BREAKER. (2)20A, 125V., 2 POLE, 3 WIRE GROUNDED DUPLEX RECEPTACLE (1)30A., 125V., 2 POLE, 3 WIRE GROUNDED RECEPTACLE (NEMA 5-30), (1)50A., 125/250V., 3 POLE, 4 WIRE GROUNDED RECEPTACLE (NEMA 14-50) MOUNTED TO 14" WIDE C-CHANNEL.
PP	PEDESTAL HDMI INPUT AND SOURCE SELECTOR EQUAL TO PEDOC 4FMIM30-C-HT WITH 2-GANG MOUNTING PLATE. COORDINATE FINISH WITH ARCHITECT PRIOR TO ORDERING. REFER TO AV RISER DIAGRAM 1/E-115 FOR PLATE CONFIGURATION.
TV	FLAT PANEL WALL BOX WITH (1)DATA JACK, AND (1)20A, 125V. DUPLEX RECEPTACLE. ROUTE (1)3/4" AND (1)1" CONDUIT, EACH WITH PULLROPE, UP TO ACCESSIBLE CEILING FOR POWER AND LOW VOLTAGE, RESPECTIVELY. WALL BOX SHALL BE FSR INC, PWR #203 OR EQUAL. VERIFY EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER. FIELD COORDINATE WITH DISPLAY/MOUNTING BRACKET PROVIDED BY OTHERS.
WR	20A, 125V., GFCI DUPLEX RECEPTACLE IN LOCKABLE WEATHERPROOF ENCLOSURE, MOUNTED TO SHADE STRUCTURE POLE AT 12" ABOVE POLE BASE.
WRP	20A, 125V., GFCI DUPLEX RECEPTACLE IN LOCKABLE WEATHERPROOF ENCLOSURE, MOUNTED TO COURT LIGHTING POLE AT 12" ABOVE POLE BASE.

ELECTRICAL SHEET INDEX

SHEET NO.	SHEET TITLE
E-001	ELECTRICAL GENERAL NOTES AND SYMBOLS
E-111	ELECTRICAL SITE PLAN
E-112	AUDIO-VISUAL SITE PLAN
E-113	POWER PLAN
E-114	LIGHTING PLAN
E-115	AUDIO-VISUAL PLAN
E-501	ELECTRICAL DETAILS
E-502	ELECTRICAL DETAILS
E-601	ELECTRICAL RISER DIAGRAM
E-611	ELECTRICAL SCHEDULES
E-612	ELECTRICAL SCHEDULES

SYMBOL LIST

SYMBOL	DESCRIPTION	MOUNTING	SYMBOL	DESCRIPTION	MOUNTING
ABBREVIATIONS					
NL	NIGHT LIGHT - WIRE AHEAD OF CONTROLS		AFF	ABOVE FINISHED FLOOR	
EM	ON EMERGENCY POWER		AFG	ABOVE FINISHED GRADE	
WP	WEATHERPROOF		DF	DRINKING FOUNTAIN - SEE GENERAL NOTE 11	
CT	COUNTERTOP (SEE GEN. NOTE 16)		GAP	GENERATOR ANNUNCIATOR PANEL	
UON	UNLESS OTHERWISE NOTED				
W	WALL				
COMMUNICATION / DATA					
▷	1-DATA OUTLET & JACK (GEN NOTE T1)	18" AFF	▷	2-DATA OUTLETS & JACKS (GEN NOTE T1)	18" AFF
▶	1-VOICE OUTLET & JACK (GEN NOTE T1)	18" AFF	▷▷	3-DATA OUTLETS & JACKS (GEN NOTE T1)	18" AFF
▷	1-VOICE/1-DATA OUTLET & JACKS (GEN NOTE T1)	18" AFF	▷▷▷	4-DATA OUTLETS & JACKS (GEN NOTE T1)	18" AFF
▷▷	1-VOICE/2-DATA OUTLETS & JACKS (GEN NOTE T1)	18" AFF	▷▷▷	2-VOICE/2-DATA OUTLETS & JACKS (GEN NOTE T1)	18" AFF
◊	CABLE TV OR VIDEO OUTLET & CONNECTOR (GEN NOTE T1)	18" AFF	▷▷▷	1-VOICE/3-DATA OUTLETS & JACKS (GEN NOTE T1)	18" AFF

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GENERAL NOTES

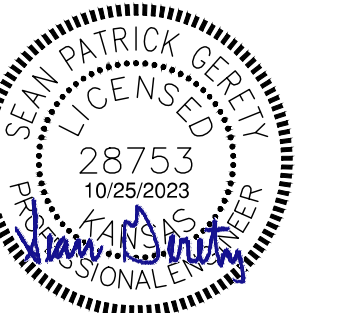
- ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) & THE AMERICANS WITH DISABILITIES ACT (ADA).
- REFER TO RELATED ARCHITECTURAL, MECHANICAL, STRUCTURAL, AND CIVIL DRAWINGS FOR RELATED INFORMATION.
- REFER TO THE SPECIFICATIONS FOR DATA NOT ON THE DRAWINGS.
- E.C. SHALL REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR THE REQUIREMENTS ASSOCIATED WITH WIRING AND CONNECTION OF INTERLOCKING AND CONTROLS OF MECHANICAL UNITS AND THERMOSTAT LOCATIONS.
- COORDINATE OUTLET BOX LOCATIONS WITH MASONRY TO MINIMIZE CUTTING OF BRICK OR BLOCK.
- ALL MOUNTING HEIGHTS TO CENTERLINE OF ITEM UNLESS OTHERWISE NOTED. VERIFY ALL OUTLET LOCATIONS ON THE JOB PRIOR TO ROUGH-IN.
- CONDUIT RUN W/CONDUCTORS AS INDICATED & GROUND WIRE SIZED PER N.E.C. 250.122. CONDUIT SIZE AS REQUIRED.
- WHEN INCREASED CONDUCTOR SIZES ARE SHOWN ON THE PLANS, THE LARGER CONDUCTOR SIZE SHALL BE USED THROUGHOUT THE LENGTH OF THE CIRCUIT, INCLUDING NEUTRAL AND GROUND.
- E.C. SHALL REFERENCE ARCHITECTURAL FINISH DRAWINGS FOR LOCATIONS AND HEIGHTS OF RIGID WALL COVERINGS, TILE, CHAIR RAIL, WAINSCOTING, ETC. AND ADJUST ELECTRICAL BOX ROUGH-IN HEIGHTS SO THAT COVERPLATES DO NOT PARTIALLY OVERLAP THESE ITEMS.
- LABEL THE FRONT OF EACH RECEPTACLE COVERPLATE WITH PANEL DESIGNATION AND CIRCUIT NUMBER USING CLEAR THERMAL TRANSFER (ELECTRONIC DYMO) LABELS WITH 1/8" HIGH BLACK LETTERS (OR CONTRASTING COLOR IF COVERPLATES ARE BLACK OR BROWN). LABELS SHALL BE SUITABLE FOR INDOOR/OUTDOOR USE. LABEL THE BACK OF EACH LIGHT SWITCH COVERPLATE WITH PANEL DESIGNATION AND CIRCUIT NUMBER USING A FINE BLACK PERMANENT MARKER.
- BRANCH CIRCUITS ARE INDICATED AS ONE CIRCUIT HOME RUNS WITH INDIVIDUAL NEUTRALS. A MAXIMUM OF THREE CIRCUITS (MAXIMUM OF THREE PHASE CONDUCTORS) MAY BE GROUPED IN A SINGLE CONDUIT. WHERE MULTIPLE CIRCUITS ARE LOCATED IN THE SAME RACEWAY, JUNCTION BOX OR ENCLOSURE, NEUTRALS SHALL BE MARKED OR LABELED TO INDICATE WHICH CIRCUIT THEY ARE ASSOCIATED WITH. SEE SPECIFICATION SECTION "LOW VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES" FOR ADDITIONAL INFORMATION.
- PROVIDE DIMMER PER THE SPECIFICATIONS. COORDINATE DIMMER TYPE AND WIRING WITH ASSOCIATED LIGHT FIXTURE DIMMING REQUIREMENTS (I.E. 3-WIRE, 0-10V, ELECTRONIC OR MAGNETIC LOW VOLTAGE, ETC.) OR WITH LIGHTING CONTROL SYSTEM PROPRIETARY REQUIREMENTS (I.E. LUTRON, nLIGHT, DALI, ETC.) AS NECESSARY. 3-WIRE DIMMERS SHALL BE PROVIDED WITH A DEDICATED NEUTRAL FOR EACH CONTROL ZONE. 0-10V DIMMERS SHALL BE PROVIDED WITH DIM/ON/OFF CONTROL. COORDINATE PHASE CONTROL OF LED DRIVERS (I.E. REVERSE PHASE, FORWARD PHASE, ETC.) WITH LIGHT FIXTURE MANUFACTURER'S RECOMMENDATIONS. LOW VOLTAGE CONTROL WIRING IS NOT SHOWN ON PLANS FOR CLARITY, BUT SHALL BE PROVIDED AS REQUIRED.
- EACH DATA, TELEPHONE, VIDEO, OR OTHER SYSTEMS OUTLET REQUIRES 1" C. WITH PULL ROPE STUBBED 6" ABOVE NEAREST ACCESSIBLE CEILING UNLESS OTHERWISE NOTED ON PLANS. CONDUITS STUBBED UP ABOVE CEILINGS SHALL BE TURNED OUT 90 DEGREES. PROVIDE INSULATED BUSHINGS ON ALL CONDUITS. LABEL CONDUIT TO IDENTIFY ITS INTENDED USE (I.E. TELEPHONE, DATA, ETC.).

COMMUNICATION / DATA

SYMBOL LIST

SYMBOL	DESCRIPTION	MOUNTING	SYMBOL	DESCRIPTION	MOUNTING
CONDUIT AND WIRING					
	EMERGENCY CIRCUIT	CLG/WALL		CONDUIT HOME RUN, 1 CIRCUIT, 2#12 & 1#12 GRD. - 1/2"C.	CLG/WALL
	MASTER/SLAVE FIXTURE WHIP	CEILING		CONDUIT HOME RUN, 2 CIRCUITS, 4#12 & 1#12 GRD. - 1/2"C.	CLG/WALL
	LOW VOLTAGE WIRING	CLG/WALL		CONDUIT HOME RUN, 3 CIRCUITS, 6#12 & 1#12 GRD. - 1/2"C.	CLG/WALL
	CDT RUN 2#12 & 1#12 GRD. - 1/2"C. OR CDT RUN AS NOTED ON PLAN	CLG/WALL		CONDUIT HOME RUN, 2 CIRCUITS, PHASE CONDUCTORS/ NEUTRAL CONDUCTOR (#12 UON) SWITCH LEGS (#12 UON) GROUND CONDUCTOR (#12 UON)	CLG/WALL
	CDT RUN 2#12 & 1#12 GRD. - 3/4"C. OR CDT RUN AS NOTED ON PLAN	EARTH/ FLOOR		MISC. EQUIPMENT CONNECTION	
	CONDUIT HOME RUN, 1 CIRCUIT, 2#10 & 1#10 GRD. (GEN. NOTES 7 & 8)	CLG/WALL		CONDUIT SEAL OFF	
	CONDUIT RUN PARTIAL CIRCUIT, 2#12 & 1#12 GRD. - 1/2"C.	CLG/WALL			
LIGHTING, SWITCHES AND SENSORS					
	LIGHT FIXTURE & FIXTURE LETTER	CLG SURF/ RECESSED		SWITCHES (1-POLE, 2-POLE, 3-WAY, 4-WAY)	46" AFF
	STRIP LIGHT FIXTURE & FIXT LETTER	CEILING		SWITCHES (KEYED, PILOT, TIMER)	46" AFF
	LIGHT FIXTURE & FIXTURE LETTER	CLG SURF/ RECESSED		INDICATES SWITCHING SCHEME	
	LIGHT FIXTURE & FIXTURE LETTER	WALL		1 RELAY OCCUPANCY SENSOR SW	46" AFF
	LIGHT FIXTURE & FIXTURE LETTER	CEIL/WALL		2 RELAY OCCUPANCY SENSOR SW	46" AFF
	LIGHT FIXTURE & FIXTURE LETTER	WALL		1 RELAY OCCUPANCY SENSOR/ DIMMER SWITCH (GEN NOTE 12)	46" AFF
	LIGHT FIXTURE & FIXTURE LETTER	WALL		DIMMER SWITCH (GEN NOTE 12)	46" AFF
	FIXTURE WITH SHADED LAMP(S) ON EMERGENCY POWER	CLG SURF/ RECESSED		LOW VOLTAGE SWITCH	46" AFF
	EMERGENCY BATTERY LIGHT FIXT	CEIL/WALL		ON/OFF SWITCH	46" AFF
	COMB EXIT SIGN/EM BATTERY LIGHT	WALL		ON/OFF/0-10V DIMMING SWITCH	46" AFF
	LIGHT FIXTURE & FIXTURE LETTER	POLE		DUAL TECH ON/OFF SENSOR	46" AFF
	LIGHTING TRACK, TRACK FIXTURES, & FIXTURE LETTERS	CEILING		16-SCENE WALL CONTROLLER	46" AFF
	PHOTOCELL			DUAL TECH ON/OFF/0-10V DIM SW	46" AFF
				OCCUPANCY SENSOR	CLG/WALL
				LIGHTING CONTROL POWER PACK	
				UL-924 LISTED POWER PACK	
				AV SYSTEM/LIGHTING INTERFACE	
				DAYLIGHT SENSOR	CEILING
POWER					
	SINGLE GROUNDED RECEPTACLE	18" AFF		BRANCH CIRCUIT PANEL AND PANEL DESIGNATION	72" TO TOP
	DUPLEX GROUNDED RECEPTACLE	18" AFF		ELECTRICAL DISTRIBUTION EQUIP	
	DUPLEX GROUNDED RECEPTACLE	CEILING		EQUIPMENT - SEE EQUIPMENT CONNECTION SCHEDULE	
	DOUBLE DUPLEX GROUNDED REC	18" AFF		CONDUIT SLEEVE (GEN NOTE 13)	
	GROUND FAULT DUPLEX REC	18" AFF		CABLE TRAY - WIRE BASKET, LADDER (GEN NOTE 14)	
	GRD FAULT DOUBLE DUPLEX REC	18" AFF		MOTOR	
	DUPLEX GRD REC BOTTOM SWITCH	18" AFF		DISCONNECT SWITCH	
	TAMPER-PROOF DUPLEX REC	18" AFF		MANUAL STARTER	
	TAMPER-PROOF GFCI DUPLEX REC	18" AFF		CIRCUIT BREAKER	
	SPECIAL OUTLET (SEE SCHEDULE OR AS NOTED)	FLOOR/WALL		STARTER OR ATS (AS NOTED)	
	SPECIAL DEVICE (AS NOTED)			COMBINATION STARTER/DISC	
	FEEDER DESIGNATION			RELAY	
	JUNCTION BOX - 1-GANG			PUSHBUTTON (1-, 2-, 3-BUTTON)	46" AFF
	JUNCTION BOX - 2-GANG			BOX MOUNTED TRANSFORMER	
	FUSTAT BUSS #SSY			CONTACTOR	
	THERMOSTAT/TEMP SENSOR	46" AFF		METER	
	PLUG LOAD SENSOR	CEILING		PLUGMOLD SURFACE RACEWAY	WALL
	HANDICAP DOOR PUSHBUTTON	36" AFF		BUSDUCT PLUG	

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SOUTH LAKES SPORTS PARK WICHITA, KS

Issue:		
100% PLANS		10/18/23
BID SETS		10/25/23

JOB NO.	220008-003
DATE	18 OCTOBER 2023
PM	NLS
DESIGNED BY	DCG
DRAWN BY	SRM
CHECKED BY	SMS

ELECTRICAL GENERAL NOTES AND SYMBOLS

E-001