

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.	21899(04)			
DESCRIPTION					DATE
REVISIONS					

LIGHTING, POWER & SYSTEM LEGEND

	NON-FUSED DISCONNECT SWITCH, SIZE AS NOTED		TRANSFORMER, IDENTIFIER SHOWN, REFER TO SCHEDULE FOR SIZE
	COMBINATION DISCONNECT AND MOTOR STARTER, SIZE AS NOTED, FUSED TYPE SHOWN		TRANSFORMER, RATINGS AS SHOWN
	FUSED DISCONNECT SWITCH, SIZE AS NOTED		HANDHOLE, IDENTIFIER SHOWN, REFER TO HANDHOLE SCHEDULE FOR SIZE
	PUSHBUTTON STATION, NEMA 4X UNLESS NOTED		ELECTRIC MOTOR, HORSEPOWER AS SHOWN
	20 AMP SINGLE RECEPTACLE, TYPE, MOUNTING HEIGHT AND RATINGS AS NOTED. 'C' INDICATES CLOCK HANGER RECEPTACLE MTD. 12" BELOW CEILING UNLESS NOTED OTHERWISE		MOTOR OVERLOAD
	20 AMP DUPLEX RECEPTACLE, MTD. 18" AFF. WITH #12 GROUND WIRE. 'GFCI' INDICATES GROUND FAULT CIRCUIT INTERRUPTER. 'WP' INDICATES WEATHERPROOF WHILE-IN-USE ENCLOSURE AND COVER. 'TR' INDICATES TAMPER-RESISTANT DEVICE, BOX INDICATES FLOOR OUTLET WITH RECESSED CAST JUNCTION BOX		HEATER OR HEATING ELEMENT
	20 AMP DUPLEX RECEPTACLE, MTD. 48" AFF		MOTOR STARTER, SIZE AS SHOWN OR REQUIRED, FVNR UNLESS NOTED
	20 AMP DUPLEX RECEPTACLE MTD. HORIZ. 6" ABOVE COUNTER TOP UNLESS OTHERWISE SHOWN		CIRCUIT BREAKER, TRIP RATING SHOWN, 3-POLE UNLESS NOTED OTHERWISE
	20 AMP QUADPLEX RECEPTACLE, MTD. 18" AFF		VARIABLE FREQUENCY DRIVE
	SPECIAL RECEPTACLE, TYPE, MOUNTING HEIGHT AND RATINGS AS NOTED		FUSE, CURRENT LIMITING, AMPERE RATING AS SHOWN OR REQUIRED. 'BFI' INDICATES 'BLOWN FUSE INDICATOR' TYPE
	250V, 50 AMP, WELDING RECEPTACLE		DUCT BANK, IDENTIFIER SHOWN, REFER TO DUCT BANK SCHEDULE FOR SIZE AND CONFIGURATION
	ELECTRICAL PANEL OR EQUIPMENT CABINET, SURFACE MOUNTED, 5'-6" TO TOP OF ENCLOSURE		SURGE PROTECTIVE DEVICE WITH INDICATING LIGHTS
	ELECTRICAL PANEL OR EQUIPMENT CABINET, RECESSED MOUNTED, 5'-6" TO TOP OF ENCLOSURE		GENERATOR, RATINGS AS SHOWN
	HOME RUN TO PANEL IN DEDICATED CONDUIT, RECEPTACLES AND EQUIPMENT SHALL HAVE DEDICATED GREEN GROUND WIRE. NUMBER OF ARROWS INDICATES NUMBER OF PHASE CONDUCTORS, LETTER(S) INDICATE NAME OF PANEL, NUMBER(S) INDICATE CIRCUIT NUMBERS		ATS, RATINGS AS SHOWN
	BRANCH CIRCUIT WITH PHASE, NEUTRAL, SWITCHED PHASE AND EQUIPMENT GROUNDING CONDUCTORS		CABLE TRAY SYSTEM, LADDER TYPE, SIZE AS NOTED
	TELEPHONE OUTLET, SINGLE GANG BOX MTD. 18" AFF WITH 3/4"C STUB TO ABOVE LAY-IN CEILING. 'W' INDICATES 4'-6" MTD. HEIGHT FOR WALL PHONE.		WEATHERHEAD
	INFORMATION OUTLET, 18" AFF UNLESS NOTED OTHERWISE, SEE DETAIL FOR CONFIGURATION, BOX INDICATES FLOOR OUTLET WITH RECESSED CAST JUNCTION BOX		CABLE CONNECTION
	TELEVISION OUTLET, SINGLE GANG BOX MTD. 18" AFF WITH 3/4"C STUB TO ABOVE LAY-IN CEILING UNLESS NOTED OTHERWISE, SEE DETAIL FOR CONFIGURATION		CAPACITOR, KVAR AS SHOWN
	CCTV CAMERA		DEFLECTION AND EXPANSION CONDUIT FITTING
	GROUND		3-WAY SWITCH
	3/4" X 10' COPPER CLAD GROUND ROD		EXISTING RAMP LIGHTING POLE LOCATION, TO REMAIN IN PLACE OR BE RELOCATED AS NOTED (RAMP LIGHTING REMOVAL AND REINSTALLATION PLAN)
	3/4" PLYWOOD TELEPHONE BACKBOARD, SIZE AS NOTED, MTD. 5'-6" TO TOP		EXISTING RAMP LIGHTING POLE LOCATION, TO BE REMOVED (RAMP LIGHTING REMOVAL AND REINSTALLATION PLAN)
	JUNCTION BOX, 42 CUBIC INCH MINIMUM CAPACITY		PROPOSED ROADWAY LIGHTING POLE LOCATION, TYPICAL (MEDIAN LIGHTING LAYOUT PLANS)
			MEDIAN BARRIER PULLBOX (MEDIAN LIGHTING CONDUIT ROUTING PLANS)

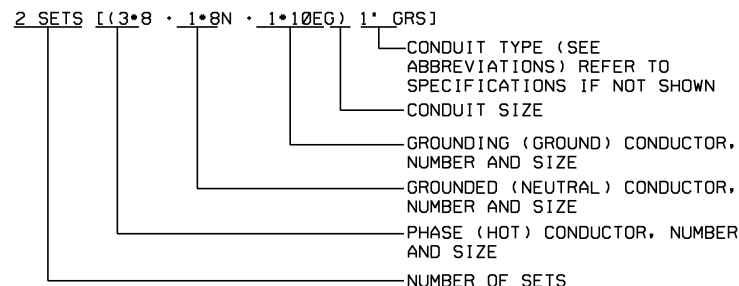
ABBREVIATIONS

PH	PHASE	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	RVAT	REDUCED VOLTAGE
@	AT	GND	GROUND	S	AUTO-TRANSFORMER STARTER SECOND
•	NUMBER	GRS	GALVANIZED RIGID STEEL	SDBC	SOFT DRAWN BARE COPPER
A	AMP	HID	HIGH INTENSITY DISCHARGE	SE	SERVICE ENTRANCE
ABC	ABOVE COUNTER	HOA	HAND-OFF-AUTO	SHT	SHEET
ACS	ACCESS CONTROL SYSTEM	HP	HORSEPOWER OR HEAT PUMP	S/N	SERIAL NUMBER
ACU	AIR CONDITIONING UNIT	IDS	INTRUSION DETECTION SYSTEM	SN	SOLID NEUTRAL
AFB	ABOVE FINISHED FLOOR	HR	HOUR	SPD	SURGE PROTECTIVE DEVICE
AFG	ABOVE FINISHED GRADE	IG	ISOLATED GROUND	SS	STAINLESS STEEL
AIC	AMPS INTERRUPTING CAPACITY	ISP	INDIVIDUALLY SHIELDED PAIR	STA	STATION
AM	AMP-METER	JB	JUNCTION BOX	SW	SWITCH
ANN	ANNUNCIATOR	KVA	KILOVOLT-AMPERE	SWBD	SWITCHBOARD
AP	AERIAL PRIMARY	KVAR	KILOVOLT-AMPERE, REACTIVE	T	TON
AS	AERIAL SECONDARY	KW	KILOWATT	TEL	TELEPHONE
ATS	AUTOMATIC TRANSFER SWITCH	LA	LIGHTNING ARRESTER	TD	TIME DELAY
AUX	AUXILIARY	LED	LIGHT EMITTING DIODE	TDD	TIME DELAY ON DE-ENERGIZATION
BFI	BLOWN FUSE INDICATOR	LLF	LIGHT LOSS FACTOR	TDE	TIME DELAY ON ENERGIZATION
BI	BYPASS ISOLATION	LO	LUGS ONLY	THD	TOTAL HARMONIC DISTORTION
BKR	BREAKER	LOR	LOCAL-OFF-REMOTE	TMB	TELECOMMUNICATION MOUNTING BOARD
BT	BOOST TRANSFORMER	LV	LOW VOLTAGE	TYP	TYPICAL
C	CONDUIT	MAX	MAXIMUM	TC	TIME CLOCK
CAT	CATALOG OR CATEGORY	MCA	MINIMUM CIRCUIT AMPACITY	TR	TAMPER RESISTANT
CB	CIRCUIT BREAKER	MCB	MAIN CIRCUIT BREAKER	UG	UNDER GROUND
CCTV	CLOSED CIRCUIT TELEVISION	MCC	MOTOR CONTROL CENTER	UGE	UNDER GROUND ELECTRIC
CGRS	PVC COATED GALVANIZED RIGID STEEL	MCP	MOTOR CIRCUIT PROTECTOR	UGP	UNDERGROUND PRIMARY
CFCI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED	MFR	MANUFACTURER	UGS	UNDERGROUND SECONDARY
CKT	CIRCUIT	MIN	MINIMUM	UH	UNIT HEATER
CL	CENTERLINE	MH	METAL HALIDE	UON	UNLESS OTHERWISE NOTED
COM	COMMON	MLO	MAIN LUGS ONLY	UNO	UNLESS NOTED OTHERWISE
CONT	CONTINUOUS	MNS	MASS NOTIFICATION SYSTEM	UTP	UNSHIELDED TWISTED PAIR
CP	CONTROL PANEL	MOCP	MAXIMUM OVERCURRENT PROTECTION	V	VOLT
CPT	CONTROL POWER TRANSFORMER	MS	MOTOR STARTER	VA	VOLT-AMP
CR	CONTROL RELAY	MTD	MOUNTED	VFD	VARIABLE FREQUENCY DRIVE
CRI	COLOR RENDERING INDEX	MTS	MANUAL TRANSFER SWITCH	VM	VOLT-METER
CS	CORD SET	N	NEUTRAL	W	WATT OR WIRE
CT	COOLING TOWER	NEC	NATIONAL ELECTRICAL CODE	WH	WEATHER HEAD
CU	COEFFICIENT OF UTILIZATION	NFDS	NON-FUSED DISCONNECT SWITCH	WM	WATT METER
DEB	DIRECT EARTH BURIED	NL	NIGHT LIGHT	WP	WEATHERPROOF
DISC	DISCONNECT	NTS	NOT TO SCALE	W/	WITH
EC	EMPTY OR EMBEDDED CONDUIT	OC	ON CENTER	W/	WITH
EF	EXHAUST FAN	OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED	WW	WIREWAY
EG	EQUIPMENT GROUND	OH	OVERHEAD	XMFR	TRANSFORMER
EL	ELEVATION	OHP	OVERHEAD PRIMARY	Z	IMPEDANCE
EMT	ELECTRICAL METALLIC TUBING	OHS	OVERHEAD SECONDARY		
ETM	ELAPSED TIME METER	OL	OVERLOAD		
FA	FIRE ALARM	PB	PULLBOX		
FACP	FIRE ALARM CONTROL PANEL	PEC	PHOTO ELECTRIC CELL		
FC	FAN COIL	PF	POWER FACTOR		
FDS	FUSED DISCONNECT SWITCH	PFCC	POWER FACTOR CORRECTION CAPACITOR		
FLA	FULL LOAD AMPACITY	PL	PILOT LIGHT		
FLR	FLOOR	PLM	PULSE-START METAL HALIDE		
FMC	FLEXIBLE METALLIC CONDUIT	PMR	PHASE MONITOR RELAY		
FOC	FIBER OPTIC CABLE	PNL	PANEL		
FS	FLOAT SWITCH	PTT	PUSH-TO-TEST		
FT	FEET	PTZ	PAN-TILT-ZOOM		
FVNR	FULL VOLTAGE NON-REVERSING STARTER	PVC	SCHEDULE 40 POLYVINYL CONDUIT		
FVR	FULL VOLTAGE REVERSING STARTER	RECPT	RECEPTACLE		
		RLA	RUNNING LOAD AMPACITY		
		RM	ROOM		

GENERAL NOTES:

1. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET BUT NOT BE UTILIZED ON THE PROJECT.

FEEDER AND BRANCH CIRCUIT LEGEND



DESIGN	SFF	2/15	TULSA & ROGERS COUNTIES
DRAWN	SFF	2/15	
CHECKED	SFF	2/15	
APPROVED			
SQUAD	GARVER	STATE JOB NO. 21899(04)	SHEET NO. 212