ELECTRICAL SYMBOL LEGEND

	FLOURESCENT LIGHTING FIXTURE SEE FIXTURE			
	SCHEDULE (OPTIONAL RECESS MOUNTED) FLOURESCENT LIGHTING FIXTURE SEE FIXTURE			
	SCHEDULE (OPTIONAL SURFACE MOUNTED) LIGTHING FIXTURE ON EMERGENCY SYSTEM			
•	LIGHTING FIXTURE ON EMERGENCY SYSTEM			
 	FLOURESCENT STRIP LIGHTING FIXTURE			
⊢0 −1	SIZE PER FIXTURE SCHEDULE FOURESCENT STRIP LIGHTING FIXTURE			
⊢ δ⊣	SIZE PER FIXTURE SCHEDULE WALL MOUNTED FLOURESCENT STRIP LIGHTING FIXTURE			
0	CEILING FIXTURE SURFACE, RECESSED OR PENDANT, SEE FIXTURE SCHEDULE			
ОН	WALL FIXTURE BRACKET MOUNTED SEE FIXTURE SCHEDULE			
₩	SELF CONTAINED EMERGENCY LIGHTING FIXTURE			
⊗	EXIT SIGN, CEILING MOUNTED DIRECTIONAL ARROW AS INDICATED			
⊗ ⊣	EXIT SIGN, WALL MOUNTED DIRECTIONAL ARROW AS INDICATED			
□⊷	POLE MOUNTED AREA LIGHT			
ш	WALL MOUNTED AREA LIGHT			
S	SWITCH, SINGLE POLE			
S ₂	SWITCH, DOUBLE POLE			
S ₃	SWITCH, 3-WAY			
S ₄	SWITCH, 4-WAY			
S _D	SWITCH, DIMMER			
SEP	SWITCH, EXPLOSION-PROOF			
SE	SWITCH CONTROLLING EMERGENCY LIGHTS, RED			
Sp	SWITCH, WITH PILOT LIGHT			
S _K	SWITCH, KEY OPERATED			
S _{MC}	SWITCH, MOMENTARY CONTACT			
S _{LV}	SWITCH, LOW VOLTAGE			
R	LOW VOLTAGE RELAY			
TS	TIME SWITCH			
©	PHOTOELECTRIC CELL			
:	SWITCH, PUSH BUTTON			
	ABBREVIATIONS:			
	AC ALTERNATING CURRENT AFG ABOVE FINAL GRADE AHJ AUTHORITY HAVING JURISDICTION, BLDG DEPT, ETC.			
	AHJ AUTHORITY HAVING JURISDICTION, BLDG DEPT, ETC. AIC AMPS INTERRUPTING CAPACITY C CONDUIT			
	CKT CIRCUIT			
	EX EXISTING TO REMAIN ER EXISTING RELOCATED			
	EMT ELECTRICAL METALLIC TUBING FLA FULL LOAD AMPS			
	GF! GROUND FAULT INTERRUPTER GND GROUND ("G")			
	HP HORSEPOWER IMC IMTERMEDIATE METALLIC CONDUIT			
	KAIC KILOAMPERES INTERRUPTING CAPACITY KVA KILOVOLT-AMPS			
	MCA MIN CIRCUIT AMPS MCB MAIN CIRCUIT BREAKER			
	MLO MAIN LUGS ONLY			
	MTD MOUNTED N NEUTRAL			
	PH PHASE PNL PANELBOARD			
	PVC POLYVINYL CHLORIDE CONDUIT			
	T TRANSFORMER W WATTS			
	WP WEATHERPROOF UG UNDERGROUND			
	UNO UNLESS NOTED OTHERWISE WP WEATHERPROOF			
	XFMR TRANSFORMER 3R NEMA 3R CABINET			

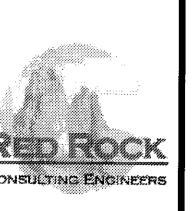
Н	SINGLE RECEPTACLE			
€	DUPLEX RECEPTACLE			
=	FOURPLEX RECEPTACLE			
=	DUPLEX RECEPTACLE LOWER RECEPTACLE SWITCHED			
	DUPLEX RECEPTACLE, CEILING MOUNTED			
=	DUPLEX RECEPTACLE, EMERGENCY, RED			
ФН	DUPLEX RECEPTACLE, HORIZONTALLY MOUNTED			
=	DUPLEX RECEPTACLE, HOSPITAL GRADE			
€	RANGE RECEPTACLE			
\bigcirc H	SPECIAL RECEPTACLE (MARK INDICATES OUTLET IN SCHEDULE)			
<u></u>	MULTI-RECEPTACLE STRIP SPACING AS INDICATED			
Œ	FLUSH FLOOR BOX WITH DUPLEX RECEPTACLE			
⊞	FLUSH FLOOR BOX WITH FOURPLEX RECEPTACLE			
	FLUSH FLOOR OUTLET BOX			
0	FLUSH JUNCTION BOX, CEILING MOUNTED			
<u>o</u>	JUNCTION BOX ABOVE SUSPENDED CEILING WITH FLEX CONNECTION			
Œ	FLUSH JUNCTION BOX, WALL MOUNTED			
J	SURFACE JUNCTION BOX, CEILING MOUNTED			
IJH	SURFACE JUNCTION BOX, WALL MOUNTED			
РВ	PULL BOX			
	SUBSCRIPTS: WP = WEATHERPROOF IG = ISOLATED GROUND GFI = GROUND FAULT INTERUPTER EP = EXPLOSION PROOF C = COUNTER BACKSPLASH EX = EXISTING TO REMAIN ER = EXISTING TO BE RELOCATED			
•	TELEPHONE (VOICE) OUTLET, WALL			
\triangleright	DATA OUTLET, WALL			
>	VOICE/DATA OUTLET, WALL			
•	TELEPHONE OUTLET, +60" A.F.F.			
	FLUSH FLOOR BOX WITH TELEPHONE OUTLET			
	FLUSH FLOOR BOX WITH DATA OUTLET			
	TELEPHONE CABINET SIZE AS NOTED			
	TELEPHONE BACKBOARD SIZE AS SHOWN			
% ⊣	TELEVISION OUTLET, WALL			
	TELEVISION OUTLET, CEILING			
TV	TELEVISION TERMINAL CABINET			

Т	TRANSFORMER
-	BRANCH CIRCUIT PANEL BOARD
	DISTRIBUTION PANEL BOARD
	SWITCHBOARD
©	GENERATOR
ATS	AUTOMATIC TRANSFER SWITCH
СТ	CURRENT TRANSFORMER ENCLOSURE
M	METER
<u></u>	SYSTEM GROUND ELECTRODE
MH	ELECTRICAL MANHOLE
НН	ELECTRICAL HANDHOLE
S _M	MANUAL SWITCH, MOTOR RATED
S _F	MANUAL SWITCH, WITH PLUG FUSE
S _{TO}	MANUAL SWITCH, WITH THERMAL OVERLOAD
	MAGNETIC MOTOR STARTER
ㅁ	DISCONNECT SWITCH, WITH FUSE
□, NE	DISCONNECT SWITCH, WITHOUT FUSE
⊠ ¹	COMBINATION MOTOR STARTER
С	MAGNETIC CONTACT
Z42/ME	RELAY CABINET
(M)	MOTOR
FACP	FIRE ALARM CONTROL PANEL
FACP	FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL
FACP FACP	FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION
FACP FACP F	FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION FIRE ALARM BELL
FACP FACP F F F A	FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION FIRE ALARM BELL FIRE ALARM HORN
FACP FACP F F F F F F F F F F F F F F F F F F F	FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION FIRE ALARM BELL FIRE ALARM HORN FIRE ALARM VISUAL WARNING SIGNAL
FACP FACP FACP FACP F F F F F F F F F F F F F	FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION FIRE ALARM BELL FIRE ALARM HORN FIRE ALARM VISUAL WARNING SIGNAL FIRE ALARM BELL WITH VISUAL WARNING SIGNAL
FACP FACP F F F F F F F F F F F F F F F F F F F	FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION FIRE ALARM BELL FIRE ALARM HORN FIRE ALARM VISUAL WARNING SIGNAL
FACP FACP FACP FACP F F F F F F F F F F F F F	FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION FIRE ALARM BELL FIRE ALARM HORN FIRE ALARM VISUAL WARNING SIGNAL FIRE ALARM BELL WITH VISUAL WARNING SIGNAL FIRE ALARM HORN WITH VISUAL ALARM SIGNAL
FACP FACP FACP FACP F F F F F F F F F F F F F F F F F F F	FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION FIRE ALARM BELL FIRE ALARM HORN FIRE ALARM VISUAL WARNING SIGNAL FIRE ALARM BELL WITH VISUAL WARNING SIGNAL FIRE ALARM HORN WITH VISUAL ALARM SIGNAL NUMBER INDICATED CANDELA RATING
FACP FACP FACP F F T T T T T	FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION FIRE ALARM BELL FIRE ALARM HORN FIRE ALARM VISUAL WARNING SIGNAL FIRE ALARM BELL WITH VISUAL WARNING SIGNAL FIRE ALARM HORN WITH VISUAL ALARM SIGNAL NUMBER INDICATED CANDELA RATING SMOKE DETECTOR - IONIZATION TYPE (D = DUCT)
FACP FACP FACP FACP FACP FACP FACP FACP	FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION FIRE ALARM BELL FIRE ALARM HORN FIRE ALARM VISUAL WARNING SIGNAL FIRE ALARM BELL WITH VISUAL WARNING SIGNAL FIRE ALARM HORN WITH VISUAL ALARM SIGNAL NUMBER INDICATED CANDELA RATING SMOKE DETECTOR - IONIZATION TYPE (D = DUCT) SMOKE DETECTOR - PHOTOELECTRIC TYPE (D = DUCT)
FACP FACP FACP FACP FACP FACP FACP	FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION FIRE ALARM BELL FIRE ALARM HORN FIRE ALARM VISUAL WARNING SIGNAL FIRE ALARM BELL WITH VISUAL WARNING SIGNAL FIRE ALARM HORN WITH VISUAL ALARM SIGNAL NUMBER INDICATED CANDELA RATING SMOKE DETECTOR - IONIZATION TYPE (D = DUCT) SMOKE DETECTOR - PHOTOELECTRIC TYPE (D = DUCT) HEAT DETECTOR RATE-OF-RISE AND FIXED TEMPERATURE, 135 F HEAT DETECTOR, RATE-OF-RISE AND FIXED
FACP FACP FACP FACP FACP FACP FACP	FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION FIRE ALARM BELL FIRE ALARM HORN FIRE ALARM VISUAL WARNING SIGNAL FIRE ALARM BELL WITH VISUAL WARNING SIGNAL FIRE ALARM HORN WITH VISUAL ALARM SIGNAL NUMBER INDICATED CANDELA RATING SMOKE DETECTOR - IONIZATION TYPE (D = DUCT) SMOKE DETECTOR PHOTOELECTRIC TYPE (D = DUCT) HEAT DETECTOR RATE-OF-RISE AND FIXED TEMPERATURE, 135 F HEAT DETECTOR, RATE-OF-RISE AND FIXED TEMPERATURE, 200 F HEAT DETECTOR
FACP FACP FACP FACP FACP FACP FACP FACP	FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION FIRE ALARM BELL FIRE ALARM HORN FIRE ALARM VISUAL WARNING SIGNAL FIRE ALARM BELL WITH VISUAL WARNING SIGNAL FIRE ALARM HORN WITH VISUAL WARNING SIGNAL FIRE ALARM HORN WITH VISUAL ALARM SIGNAL NUMBER INDICATED CANDELA RATING SMOKE DETECTOR - IONIZATION TYPE (D = DUCT) SMOKE DETECTOR - PHOTOELECTRIC TYPE (D = DUCT) HEAT DETECTOR, RATE-OF-RISE AND FIXED TEMPERATURE, 135 F HEAT DETECTOR FIXED TEMPERATURE ONLY, 135 F HEAT DETECTOR FIXED TEMPERATURE ONLY, 135 F HEAT DETECTOR
FACP FACP FACP FACP FACP FACP FACP FACP	FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION FIRE ALARM BELL FIRE ALARM HORN FIRE ALARM VISUAL WARNING SIGNAL FIRE ALARM HORN WITH VISUAL WARNING SIGNAL FIRE ALARM HORN WITH VISUAL WARNING SIGNAL FIRE ALARM HORN WITH VISUAL ALARM SIGNAL NUMBER INDICATED CANDELA RATING SMOKE DETECTOR - IONIZATION TYPE (D = DUCT) SMOKE DETECTOR - PHOTOELECTRIC TYPE (D = DUCT) HEAT DETECTOR, RATE-OF-RISE AND FIXED TEMPERATURE, 135 F HEAT DETECTOR FIXED TEMPERATURE ONLY, 135 F HEAT DETECTOR FIXED TEMPERATURE ONLY, 200 F
	FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION FIRE ALARM BELL FIRE ALARM HORN FIRE ALARM VISUAL WARNING SIGNAL FIRE ALARM BELL WITH VISUAL WARNING SIGNAL FIRE ALARM HORN WITH VISUAL ALARM SIGNAL NUMBER INDICATED CANDELA RATING SMOKE DETECTOR - JONIZATION TYPE (D = DUCT) SMOKE DETECTOR - PHOTOELECTRIC TYPE (D = DUCT) HEAT DETECTOR RATE-OF-RISE AND FIXED TEMPERATURE, 135 F HEAT DETECTOR, RATE-OF-RISE AND FIXED TEMPERATURE, 200 F HEAT DETECTOR FIXED TEMPERATURE ONLY, 135 F HEAT DETECTOR FIXED TEMPERATURE ONLY, 200 F BEAM DETECTOR (T = TRANSMIT, R = RECEIVE)
	FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM ANNUNCIATOR PANEL MANUAL FIRE ALARM PULL STATION FIRE ALARM BELL FIRE ALARM HORN FIRE ALARM VISUAL WARNING SIGNAL FIRE ALARM BELL WITH VISUAL WARNING SIGNAL FIRE ALARM HORN WITH VISUAL ALARM SIGNAL NUMBER INDICATED CANDELA RATING SMOKE DETECTOR - IONIZATION TYPE (D = DUCT) SMOKE DETECTOR - PHOTOELECTRIC TYPE (D = DUCT) HEAT DETECTOR RATE-OF-RISE AND FIXED TEMPERATURE, 135 F HEAT DETECTOR FIXED TEMPERATURE ONLY, 135 F HEAT DETECTOR FIXED TEMPERATURE ONLY, 200 F BEAM DETECTOR (T = TRANSMIT, R = RECEIVE) FIRE ALARM MAGNETIC DOOR HOLDER

POWER SUPPLY

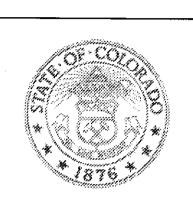
POST INDICATING VALVE

	DCP	DOOR CONTROL PANEL
	ACC	ACCESS CONTROL PANEL
	⊢®	KEYPAD
	CR	CARD READER
	MD	MOTION DETECTOR
	GB	GLASS BREAK DETECTOR
	LBR	BEAM DETECTOR (T=TRANSMIT, R=RECEIVE)
	VM	CCTV VIDEO MONITOR
	001	CCTV CAMERA, NO. INDICATES TYPE
	®	INTUSION RECEIVER
	➀	TRANSFORMER, INTRUSION SYSTEM
	(D)	INTRUSION DETECTOR, CEILING
	\vdash	INTRUSION DETECTOR, WALL
		ALARM PUSH BUTTON
	Ю	CLOCK
	$+\Theta_{\mathbf{M}}$	MASTER TIME CLOCK
	тс	TIMING CONTROL DEVICE
	₽	CLASS PROGRAM BELL
	\$	SPEAKER, CEILING
	⊬ŝ>	SPEAKER, WALL
	₩	HORN, WALL
	⊢©	INTERCOM CALL-BACK STATION, WALL
	₩	VOLUME CONTROL, WALL
	₩	FLUSH FLOOR BOX WITH MICROPHONE OUTLET
	₩	MICROPHONE OUTLET, WALL
	'	BUZZER
	c/	CHIME
/	H-8	CIRCUIT HOMERUN. NUMBER OF MARKS INDICATES NO OF WIRES. GROUND WIRE IS NOT INDICATED.
/	$\overline{}$	CONDUIT CONCEALED IN CEILING OR WALLS, POWER
	ÆM_	CONDUIT CONCEALED IN CEILING OR WALLS, OTHER (SEE ABBREVIATIONS)
/		CONDUIT CONCEALED IN FLOOR OR UNDERGROUND, POWER OR OTHER (SEE ABBREVIATIONS)
<u> </u>		EXPOSED CONDUIT, POWER
	3	CONDUIT STUB-UP
_	—•	CONDUIT TURNING UP



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Colorado State Fair Project M-09003

COLORADO STATE FAIR ACE SECONDARY ELECTRICAL

ELECTRICAL LEGEND

DATE

---O CONDUIT TURNING DOWN

-- CONDUIT SEAL

EQUIPMENT CONNECTION

PROJECT NO: 09050

STATE PROJ: M-09003

DRAWN: CAD

CHECKED: JBT

ISSUE DATE: 10/7/2010

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