

ELECTRICAL LEGEND OF SYMBOLS (ALL SHEETS)

POWER/WIRING DEVICES

- ⊕ DUPLEX RECEPTACLE (NEMA 5-20R)
- ⊕ QUADRUPLEX RECEPTACLE (NEMA 5-20R)
- ⊕ SIMPLEX (SINGLE) RECEPTACLE (NEMA 5-20R)
- ⊕ GFCI DUPLEX RECEPTACLE (NEMA 5-20R)
- ⊕ DUPLEX RECEPTACLE (NEMA 5-20R) ONE OUTLET SWITCHED
- ⊕ SPECIAL PURPOSE OUTLET #1
- ⊕ SPECIAL PURPOSE OUTLET #2
- ⊕ SPECIAL PURPOSE OUTLET #3
- ⊕ TELEPHONE OUTLET
- ⊕ DATA/COMPUTER OUTLET
- ⊕ JUNCTION BOX
- ⊕ TOGGLE TYPE SWITCH (20A/1P) UNLESS NOTED OTHERWISE
- ⊕ TOGGLE TYPE SWITCH (20A/3 WAY)
- ⊕ TOGGLE TYPE SWITCH (20A/4 WAY)
- ⊕ MANUAL MOTOR STARTER SWITCH (HP RATED)
- ⊕ NON-FUSED SAFETY DISCONNECT SWITCH
- ⊕ FUSED SAFETY DISCONNECT SWITCH
- ⊕ COMBINATION STARTER-DISCONNECT SWITCH
- ⊕ STARTER
- ⊕ SINGLE PHASE MOTOR
- ⊕ THREE PHASE MOTOR (HP RATING SHOWN)
- ⊕ UTILITY METER
- ⊕ SURFACE MOUNT PANEL BOARD
- ⊕ FLUSH MOUNT PANEL BOARD
- HOME RUN - #12 THHN IN 3/4" UNLESS NOTED OTHERWISE
- SHORT - PHASE
- LONG - NEUTRAL
- LONG w/DOT - GROUND
- FLEXIBLE CONDUIT CONNECTION, NOT TO EXCEED SIX FEET
- CIRCUIT CONTINUATION

FIRE/SECURITY ALARM DEVICES

- F₁ AUDIO - VISUAL DEVICE TYPE:
 - 1 - 15/75 CANDELA
 - 2 - 75 CANDELA
 - 3 - 110 CANDELA
- S₁ IONIZATION SMOKE DETECTOR TYPE:
 - D - DUCT
 - B - BELOW CEILING
 - 3 - ABOVE DROP CEILING
 - 3 - UNDER RAISED FLOOR
- F_T MANUAL PULL STATION
- F_T TAMPER SWITCH
- F_{WF} WATER FLOW SWITCH
- F_R SHUT DOWN REPLAY
- F_D VISUAL ALARM ONLY
- F_D AUDIO ALARM ONLY
- CAM CLOSED CIRCUIT CAMERA
- P SECURITY PANIC BUTTON
- DC SECURITY DOOR CONTACT
- ANN ANNUNCIATOR PANEL
- FACP FIRE ALARM CONTROL PANEL
- S BEAM-TYPE SMOKE DETECTOR

LIGHTING

- A 2' x 4' FLUORESCENT FIXTURE
- A - FIXTURE TYPE
- 1 - CIRCUIT NUMBER
- o - SWITCH LEG
- 2' x 4' FLUORESCENT FIXTURE WITH EMERGENCY BALLAST
- 2' x 2' FLUORESCENT FIXTURE
- 2' x 2' FLUORESCENT FIXTURE WITH EMERGENCY BALLAST
- 1' x 4' FLUORESCENT FIXTURE
- 1' x 4' FLUORESCENT FIXTURE WITH EMERGENCY BALLAST
- INDUSTRIAL TYPE FLUORESCENT FIXTURE
- INDUSTRIAL TYPE FLUORESCENT FIXTURE W/ EMERGENCY BALLAST
- CEILING MOUNTED FIXTURE
- WALL MOUNTED FIXTURE
- OUTDOOR FIXTURE, POLE MOUNT
- SINGLE FACE EXIT SIGN, DIRECTIONAL ARROWS AS INDICATED
- DOUBLE FACE EXIT SIGN, DIRECTIONAL ARROWS AS INDICATED
- EMERGENCY LIGHT

ONE - LINE DIAGRAM ELEMENTS (3 UNLESS NOTED)

- SWITCH AND FUSE
- MOLDED CASE CIRCUIT BREAKER
- DRAWOUT TYPE SYSTEMS CIRCUIT BREAKER
- MEDIUM VOLTAGE CIRCUIT BREAKER
- FUSED CUT - OUT SWITCH
- TRANSFORMER
- GROUND
- LIGHTING ARRESTOR WITH VOLTAGE RATING
- CURRENT TRANSFORMER
- MOTOR STARTER WITH STARTER SIZE
- GENERATOR
- AUTOMATIC TRANSFER SWITCH

MISCELLANEOUS

- 1 ELECTRICAL KEYED NOTE
- 1 ONE - LINE DIAGRAM FEEDER ID

PLUMBING LEGEND

- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- DOMESTIC TEMPERED WATER
- DRAIN, WASTE
- VENT
- GATE VALVE
- TEMPERATURE AND PRESSURE RELIEF VALVE
- HWR HOT WATER RETURN
- WC WATER CLOSET
- UR URINAL
- LAV LAVATORY
- SS SERVICE SINK
- KS KITCHEN SINK
- WH WATER HEATER
- HB HOSE BIBB
- FD FLOOR DRAIN
- CO CLEANOUT
- VTR VENT THRU ROOF
- EWV ELECTRIC WATER COOLER
- SINK SINK
- GD GARBAGE DISPOSAL
- FHC FIRE HOSE CABINET
- DF DRINKING FOUNTAIN

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- DC SECURITY DOOR CONTACT
- ANN ANNUNCIATOR PANEL
- FACP FIRE ALARM CONTROL PANEL
- S BEAM-TYPE SMOKE DETECTOR
- M MAGNETIC DOOR HOLDER
- ER CARD READER

FIRE PROTECTION SYMBOLS

- CONTROL VALVE
- FIRE DEPARTMENT PUMPER CONNECTION
- FIRE HYDRANT
- PIV POST INDICATOR VALVE
- F FIRE PROTECTION PIPING
- OS & Y GATE VALVE
- OS & Y GATE VALVE WITH TAMPER SWITCH
- PENDANT SPRINKLER
- UPRIGHT SPRINKLER
- SIDEWALL SPRINKLER
- INSTITUTIONAL SPRINKLER
- CHECK VALVE
- BACKFLOW PREVENTER

LIGHTING FIXTURE SCHEDULE

NO	FIXTURE DATA			LAMP DATA			NOTES
	TYPE	DESCRIPTION	MOUNTING	NO.	WATTS	TYPE	
A	FLUORESCENT PENDANT	LITE CONTROL PI-5491218-CWM-LP/ELB-277	PENDANT	9	32W	F32T8	
B	SPOTLIGHT	SKANDA 1407-CMP-3/XTSA-70	TRACK				ONE CIRCUIT MONOPOINT FOR EACH HEAD.
C	FLUORESCENT CORRIDOR UNIT	WILLIAMS 19-4-2320C-A-E2320C/277	SURFACE	2	32W	T8	
C1	FLUORESCENT WRAPAROUND	WILLIAMS 17-4-2320C-A-E2320C/277	SURFACE	2	32W	T8	
D	FLUORESCENT PARABOLIC 2x4	WILLIAMS U3G-D24-3320C-365-E3320C/277	RECESSED	3	32W	T8	
E	METAL HALIDE PENDANT	KURT VERSEN SM82250277-DAMP LOCATION	PENDANT	1	250W	MH	COATED LAMP.
F	FLUORESCENT	WILLIAMS 21-4-2320-IM-E2320C/277	SURFACE	3	32W	T8	
G	WALL MOUNTED INDIRECT/DIRECT	LITE CONTROL W-ID-66N2478-BW-CWM-277	WALL MOUNTED	2	32W	T8	
H	RECESSED CAN-FLUORESCENT	INFINITY PH85-242T-EB-277	RECESSED	2	42W	TRIPLE TUBE	
J	INDIRECT PENDANT	VISA LIGHTING CP1310-2DH150-PT/PB	RECESSED	2	150W	DOUBLE ENDED MH	
K	FLUORESCENT PARABOLIC 2x2	WILLIAMS U3G-D22-2310CUW-335-E2320C/277	RECESSED	2	31W	T8U-LAMP	
L	PENDANT 16'	LITE CONTROL P-SD-921216T8-PARSS-CWM-277	PENDANT	12	32W	T8	WITH SLOTTED TOP COVER FOR 23% UPLIGHT.
L1	PENDANT 12'	LITE CONTROL P-SD-9291216T8-PARSS-CWM-277	PENDANT	9	32W	T8	WITH SLOTTED TOP COVER FOR 23% UPLIGHT.
L2	PENDANT 16' (INDIRECT)	LITE CONTROL P-ID-921216T8-PARSS-CWM	PENDANT	12	32W	T8	
M	SURFACE FLUORESCENT	TREND LIGHTING 5731-12-2D/28W	SURFACE	1	28W		
N	SECURITY LIGHT	MARK-LIGHTING CP4-MX-S-14-232-277-T8		2	32W	T8	
P	METAL HALIDE CAN LIGHT	KURT VERSEN R7382-277	RECESSED	1	250W	MH	COATED LAMP
Q	FLUORESCENT STRIP	WILLIAMS 76-4-2320C-E2320C-277	SURFACE	2	32W	T8	
R	WALL MLD. FLUORESCENT	WILLIAMS 29-4-2320C-KA-E2320C-277	WALL MOUNTED	2	32W	T8	
S	SINGLE PARKING	BETA (2) BAF540D2A-M1/(1) BPS530S11	POLE	1	400W	MH	30' POLE
T	TWIN PARKING	BETA (2) BAF540D2A-M1/(1) BPS530S21	POLE	1	400W	MH	30' POLE
W	FLAGPOLE LIGHT	GREENLEE RDB-175MH-SPV-277	DIRECT BURIAL	1	175W	MH	
X	CORRIDOR LIGHT	VISA CB5066-2F40-PT	WALL MOUNTED	2	40W	BIAX	MOUNT BOTTOM FIXTURE MINIMUM OF 6"-9" AFF.
Y	SIGN LIGHT	FORUM PRO-30X8-277		1	96W	F96T12/035/HO	ONE AT EACH SIDE OF ENTRANCE SIGN (S11). USE "WASH" POSITION.
Z	WALL WASH	ELP 140BXWW-AK-277	RECESSED	1	40W	BIAX	
DD	SURFACE PARABOLIC 2x2	WILLIAMS SU4-24-3320C-365-E2320C/277	SURFACE	3	32W	T8	
SS	FLUORESCENT DAWN LIGHT	INFINITY PV60-126Q-277 SATIN ALUMINUM	RECESSED	1	26W	QUAD TUBE	
TT	WALL MLD. FLUORESCENT	VISA CB3014-MD12889-1-2QF26-PT-277V	WALL MOUNTED	2	26W	QUAD TUBE	MOUNT INVERTED
EXIT LIGHT		DUAL-LITE CWRWW-LPLEDE FOR WALL MOUNT	WALL MOUNTED				
		CSRWW-LPLEDE FOR CEILING MOUNT	CEILING MOUNTED				
		CDRWW-LPLEDE FOR DOUBLE FACE	CEILING MOUNTED				
EMERGENCY LIGHT	DUAL-LITE L2-2	WALL MOUNTED					

HVAC LEGEND

- ⊕ THERMOSTAT OR SENSOR
- XXX EQUIP. DESIG.
- XXX GRILLE DESIG.
- X KEYED NOTE (MECHANICAL)
- ⊕ SUPPLY GRILLE
- ⊕ RETURN OR EXHAUST GRILLE
- Flex. DUCT
- VOLUME DAMPER
- DUCT
- FRESH AIR OR EXHAUST DUCT
- GATE VALVE
- BUTTERFLY VALVE
- CWS CONDENSING WATER SUPPLY
- CWR CONDENSING WATER RETURN
- D CONDENSATE DRAIN
- FIRE DAMPER
- MOTORIZED DUMPER
- SLOT OR LINEAR DIFFUSER
- SIDWALL DIFFUSER

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NEW CITY HALL COMPLEX

SYMBOLS, SCHEDULES AND ABBREVIATIONS
CONSTRUCTION DOCUMENTS

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