

LEGEND:

- 4"x4" SQUARE SURFACE MOUNTED LED LIGHT FIXTURE
- WALL SCONCE MOUNTED @ 6" FROM F.F. U.O.N.

NEO & Associates INC.
 Architecture + Interior Design

NEO & Associates
 2115 Huntington Drive
 San Marino, CA 91108
 626.590.1818



COMMERCIAL BLDG

4406 W. VICTORY BLVD.
 BURBANK, CA. 91505

NO.	DATE	DESCRIPTION
2	10/02/19	PLAN CHECK 1

Architectural Drawn By _____

SHEET TITLE
GROUND FLOOR RCP

Date Issued 08/20/2018



A2.2

1 GROUND FLOOR RCP
 1/4" = 1'-0"



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COMMERCIAL BLDG

4420 W. VICTORY BLVD.
BURBANK, CA. 91505

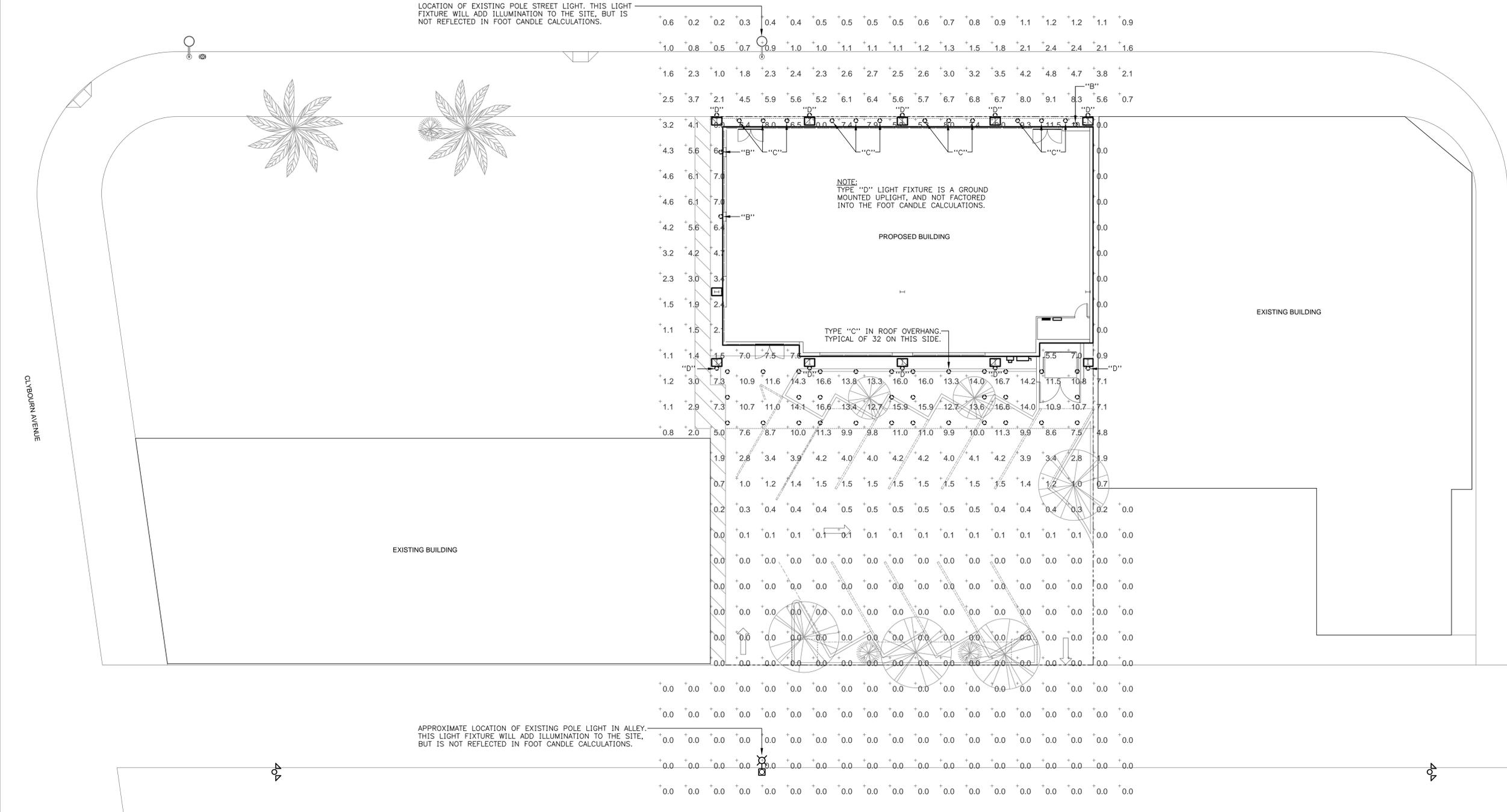
NO.	DESCRIPTION
1	CITY OF BURBANK COMMENT RESPONSES - 1/00/21/9
2	PC CORRECTION - 02/28/20
3	CITY OF BURBANK COMMENT RESPONSES - 06/03/20

Architectural Drawn By

SHEET TITLE

SITE PLAN ILLUMINATION

Date Issued 03/08/2019



LOCATION OF EXISTING POLE STREET LIGHT. THIS LIGHT FIXTURE WILL ADD ILLUMINATION TO THE SITE, BUT IS NOT REFLECTED IN FOOT CANDLE CALCULATIONS.

NOTE:
TYPE "D" LIGHT FIXTURE IS A GROUND MOUNTED UPLIGHT, AND NOT FACTORED INTO THE FOOT CANDLE CALCULATIONS.

PROPOSED BUILDING

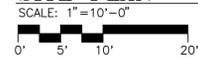
TYPE "C" IN ROOF OVERHANG. TYPICAL OF 32 ON THIS SIDE.

EXISTING BUILDING

EXISTING BUILDING

APPROXIMATE LOCATION OF EXISTING POLE LIGHT IN ALLEY. THIS LIGHT FIXTURE WILL ADD ILLUMINATION TO THE SITE, BUT IS NOT REFLECTED IN FOOT CANDLE CALCULATIONS.

SITE PLAN - ILLUMINATION



- FOOTCANDLE LEVEL CALCULATION NOTES:
- FOOTCANDLE LEVELS CALCULATED USING .81 LIGHT LOSS FACTOR.
 - CALCULATIONS REFLECT CONTRIBUTIONS FROM NEW LIGHT FIXTURES IN MOUNTED ON BUILDING.

ENTIRE DRAWING ISSUED

Vreeland Engineers Inc.
3107 Sutherland Ave.
P.O. Box 10648
Knoxville, TN 37939
865-637-4451
1-800-362-9789
vreelandengineers.com

4420 Victory Blvd - Site Plan - Illumination.dwg
A.L.S. 06/04/20 4:12 PM CL19043(C1)



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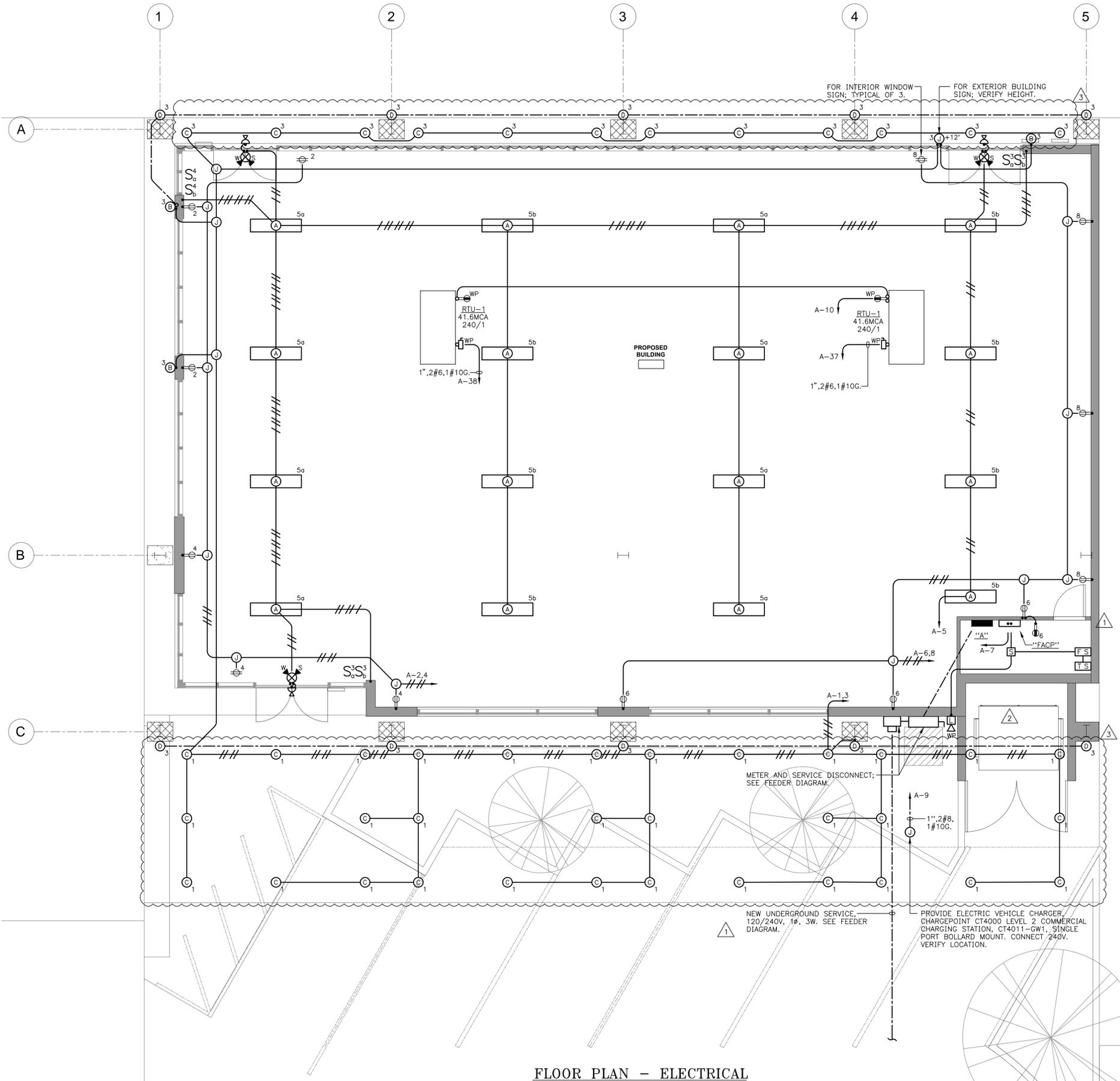
Architectural Drawn By

SHEET TITLE

FLOOR PLAN ELECTRICAL

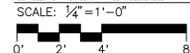
Date Issued 03/08/2019

E-1.0



SPRINKLER FIRE ALARM MONITORING SYSTEM NOTE:
FURNISH AND INSTALL COMPLETE 10-ZONE FIRE ALARM CONTROL PANEL WITH BUILT-IN COMMUNICATOR TO MONITOR SPRINKLER SYSTEM. FURNISH AND INSTALL THE FOLLOWING CONTROL DEVICES AND EQUIPMENT:
A. NEW CONTROL PANEL SHALL BE ANALOG, CLASS B WITH BATTERY SUPPLY, INCLUDING CHARGER. USE FIRELITE MODEL M510UD.
B. INSTALL EXTERIOR HORN/STROBE CONNECTED TO FIRE ALARM, MODEL P2RHK-20, WEATHERPROOF, 120-VOLT HORN STROBE, WHICH SHALL ALARM UPON ACTIVATION OF FLOW SWITCH.
C. PROVIDE MONITOR MODULES, WHERE REQUIRED, AT SPRINKLER SYSTEM.
D. FURNISH AND INSTALL AT MAIN FIRE ALARM CONTROL PANEL A DIGITAL COMMUNICATOR, DUAL CHANNEL TYPE. PROVIDE TELEPHONE OUTLET AT FIRE ALARM CONTROL PANEL FOR TIE-IN TO REMOTE LOCATION. FOR CITY OF KNOXVILLE LOCATIONS, PROVIDE HONEYWELL COMPANY MODEL IPGSM-4G WIRELESS COMMUNICATOR.
INSTALLATION SHALL BE IN COMPLIANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS. COLOR CODE ALL CONDUCTORS. ALL CONDUCTORS SHALL BE INSTALLED IN METALLIC RACEWAY. AT COMPLETION OF WORK, PROVIDE COMPLETE TESTING OF SYSTEM. PROVIDE WRITTEN REPORT TO ARCHITECT, ENGINEER, AND OWNER.

FLOOR PLAN - ELECTRICAL



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LOAD SCHEDULE

EXTERIOR LIGHTING:	1.1 KVA
INTERIOR LIGHTING:	0.6 KVA
RECEPTACLES & MISCELLANEOUS:	-
VEHICLE CHARGER:	7.6 KVA
ROOF TOP UNITS:	16.0 KVA 28.5 KVA
SERVICE VOLTAGE:	120/240V, 1Ø, 3W
SERVICE CAPACITY:	400A

2

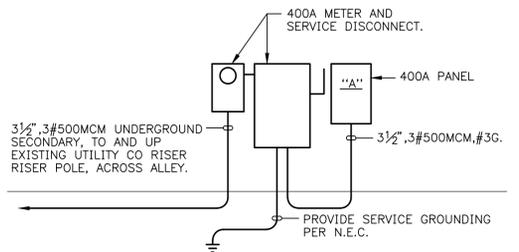
LIGHTING FIXTURE SCHEDULE

DESIGNATION	ILLUMINATION				MOUNTING			DESCRIPTION: SHIELDING, TYPE MATERIALS, FINISH, MOUNTING	MANUFACTURER'S PRODUCT ITEM		* EQUAL PRODUCT PERMITTED	REMARKS
	WATTS	DELIVERED LUMENS	COLOR TEMPERATURE (°K)	MINIMUM CRI	CEILING		WALL		COMPANY	CATALOG NO.		
					PENDANT STEM LENGTH	SURFACE RECESSED						
A	30	3880	35K	80	36				LITHONIA	ZL1D L48 SMR 3000LM FST MVOLT 35K 80CRI WH HC36		
B	29	2000	30K	90			6'-0"		PROGRESS	P5643-20-30K		FINISH TO BE SELECTED BY ARCHITECT
C	20.5	1443	40K	80					LITHONIA	LDN4 40/15 L04 AR LSS MVOLT GZ10 WL		
D	30	-	28K	80								PROVIDE ALLOWANCE OF \$700 PER FIXTURE, MUST BE LED, MAXIMUM 30 WATTS EACH

* UNLESS NOTED, EQUAL PRODUCT TO THAT SPECIFIED WILL BE ACCEPTED. THE DESIGN PROFESSIONAL SHALL HAVE SOLE JUDGEMENT CONCERNING EQUIVALENCY OF SUBSTITUTION.

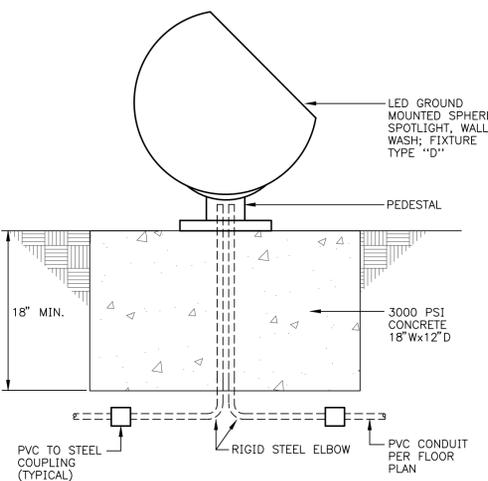
CKT. NO.	SERVES	LOAD (kVA)		BREAKER TRIP	POLE	LOAD (kVA)	SERVES	CKT. NO.			
		#A	#B						#A	#B	
1	EXTERIOR LIGHTING	0.9	0.8	20	1	0.6	RECEPTACLES	2			
3	EXTERIOR LIGHTING	0.8	0.8	20	1	0.6	RECEPTACLES	4			
5	INTERIOR LIGHTING	0.6	0.2	20	1	0.6	RECEPTACLES	6			
7	FACP	0.2	0.2	20	1	0.8	RECEPTACLES	8			
9	ELECTRIC VEHICLE CHARGER	3.8	3.8	40	2	0.4	ROOFTOP UNIT RECEPTACLES	10			
11	SPARE			20	1		SPARE	12			
13	SPARE			20	1		SPARE	14			
15	SPARE			20	1		SPARE	16			
17	SPARE			20	1		SPARE	18			
19	SPARE			20	1		SPARE	20			
21	SPARE			20	1		SPARE	22			
23	SPARE			20	1		SPARE	24			
25	SPARE			20	1		SPARE	26			
27	SPARE			20	1		SPARE	28			
29	SPARE			20	1		SPARE	30			
31	SPARE			20	1		SPARE	32			
33	SPARE			20	1		SPARE	34			
35	SPARE			20	1		SPARE	36			
37	RTU-1	4.0	6.0	2	60	4.0	RTU-1	38			
39		4.0	8.8			4.0		40			
SUB TOTAL CONNECTED #A:		9.3		8.8		5.6		5.4		SUB TOTAL CONNECTED	
SUB TOTAL CONNECTED #A:		14.9		SUB TOTAL CONNECTED #B:		14.2		TOTAL CONNECTED:		29.1	

NOTES:
1. PROVIDE SOLID STATE DIGITAL 365 DAY ASTRONOMIC TIME CLOCK TO CONTROL LIGHTING CIRCUITS 1, 3 & 5. TIME CLOCK SHALL BE OF TORK, INTERMATIC, OR APPROVED SUBSTITUTE.



FEEDER DIAGRAM
NOT TO SCALE

2



GROUND MOUNTED SPHERE DETAIL (TYPE "D")
NO SCALE

LEGEND

SYMBOL	DESCRIPTION
	LED LIGHTING FIXTURE; "A" REFERS TO DESIGNATION IN THE LIGHTING FIXTURE SCHEDULE; "b" REFERS TO SWITCH CONTROL AND "3" REFERS TO CIRCUIT NUMBER.
	LED LIGHTING FIXTURE; "B" REFERS TO DESIGNATION IN THE LIGHTING FIXTURE SCHEDULE; "a" REFERS TO SWITCH CONTROL; AND "2" REFERS TO CIRCUIT NUMBER.
	WALL SWITCH; SINGLE POLE UNLESS NOTED 3- OR 4-WAY; "P" INDICATES EQUIPPED WITH PILOT LIGHT TO INDICATE WHEN SWITCH IS ON; W.P. INDICATES WEATHERPROOF; "K" INDICATES KEY OPERATED SWITCH; +48"/- ABOVE FLOOR EXCEPT IN MASONRY WALLS WHERE HEIGHT SHALL BE ADJUSTED TO HAVE BOX EDGE OCCUR AT A MASONRY JOINT. PROVIDE NEUTRAL CONDUCTOR IN ADDITION TO LINE AND SWITCHED CONDUCTORS.
	EXIT SIGN WITH BUILT-IN TWIN HEAD EMERGENCY LIGHT; "W" INDICATES WALL MOUNTING; "C" INDICATES CEILING MOUNTING; "S" INDICATES SINGLE FACE; "D" INDICATES DOUBLE FACE; "P" INDICATES PENDANT MOUNTED. PROVIDE DIRECTIONAL ARROWS ON EXIT SIGNS AS INDICATED ON PLANS. UNIT EQUIPPED WITH BATTERY BACK-UP.
	WALL MOUNTED EXTERIOR EMERGENCY LIGHTING UNIT CONTAINING LED LAMPING, WET LOCATION LISTED, WITH BUILT-IN BATTERY, SIMILAR AND EQUAL TO SURE-LITE CO. NO. AEL2-46-FIN-SD. VERIFY FINISH AND MOUNTING HEIGHT WITH ARCHITECT BEFORE ROUGH-IN.
	CONDUIT AND CONDUCTORS EXTENDED TO PANELBOARD A, CIRCUITS 1, 3, AND 5. CROSS LINES INDICATE #12 AWG PHASE AND NEUTRAL CONDUCTORS WHERE MORE THAN TWO. SINGLE CIRCUIT BRANCH CIRCUIT WIRING RUNS SHOWN WITHOUT CROSS LINES SHALL BE PROVIDED WITH 2#12, 1#12G. EACH 20 AMPERE BRANCH CIRCUIT SHALL BE PROVIDED WITH SEPARATE NEUTRAL CONDUCTOR. SHARING OF NEUTRAL CONDUCTORS SHALL NOT BE PERMITTED. PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN EACH CONDUIT RUN.
	CONDUIT IN THE FLOOR CONSTRUCTION OR UNDERGROUND SHOWN TURNING UP.
	CONDUIT IN THE WALL OR CEILING CONSTRUCTION SHOWN TURNING DOWN.
	DUPLEX PLUG RECEPTACLE; 120-VOLTS; 20-AMPERES; CEILING MOUNT.
	DUPLEX PLUG RECEPTACLE; 120-VOLTS; 20-AMPERES; MOUNT 3" ABOVE BACKSPASH AT WORK COUNTERS AND LAVATORIES AND +18" AFF ELSEWHERE UNLESS NOTED TO A DIFFERENT HEIGHT.
	DUPLEX PLUG RECEPTACLE, 120-VOLTS, 20-AMPERES, SHADED CENTER INDICATES EQUIPPED WITH BUILT-IN GROUND FAULT CIRCUIT INTERRUPTER, MOUNT 3" ABOVE BACKSPASH AT WORK COUNTERS/LAVATORIES AND +18" AFF ELSEWHERE UNLESS NOTED TO A DIFFERENT HEIGHT. PROVIDE WEATHER RESISTANT DEVICE AND WEATHERPROOF "EXTRA DUTY WHILE IN USE" COVER WHERE LOCATED OUTDOORS.
	PANELBOARD, RECESSED OR SURFACE MOUNTED AS INDICATED ON DRAWINGS, TOP 6'-FEET ABOVE FINISHED FLOOR ADJUSTED TO OCCUR AT A MASONRY JOINT, SEE PANELBOARD SCHEDULE FOR EQUIPMENT CONTAINED.
	JUNCTION BOX, SIZE AND USE AS REQUIRED; COVERPLATE SHALL OVERLAP THE BOX EDGE BY 1/2" WHERE RECESSED IN WALL WITH CONCEALED WIRING.
	WALL MOUNTED FIRE ALARM CENTRAL CONTROL PANEL, TOP 6'-0" AFF.
	CEILING MOUNTED FIRE ALARM AUTOMATIC SMOKE DETECTOR, LOCATE MINIMUM 3'-0" AWAY FROM HVAC SUPPLY AND RETURN DIFFUSERS.
	SPRINKLER SYSTEM TAMPER SWITCH, CONNECT TO SEPARATE ZONE IN BUILDING FIRE ALARM SYSTEM.
	SPRINKLER SYSTEM FLOW SWITCH, CONNECT TO SEPARATE ZONE IN BUILDING FIRE ALARM SYSTEM.
	WALL MOUNTED FIRE ALARM COMBINATION HORN/STROBE UNIT, COORDINATE BACKBOX TYPE AND EXACT MOUNTING HEIGHT WITH FIRE ALARM EQUIPMENT SUPPLIER. "WP" BY HORN/STROBE INDICATES DEVICE TO BE WEATHERPROOF.



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Architectural Drawn By

SHEET TITLE
LEGEND, SCHEDULES & DETAILS

Date Issued 03/08/2019

E-2.0

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