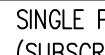
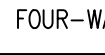
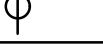
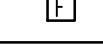
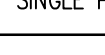
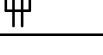
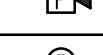
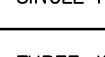
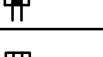
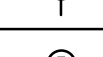
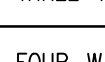
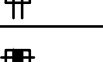
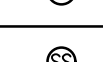
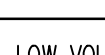
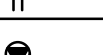
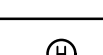
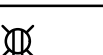
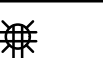
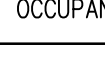
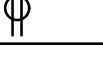
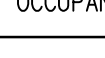
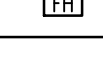
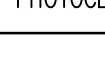
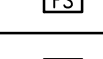
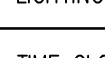
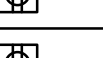
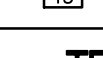
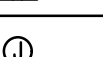
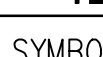
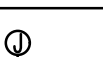
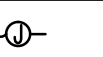
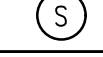
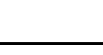
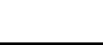
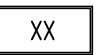
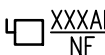
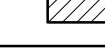
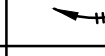
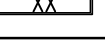
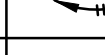
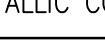
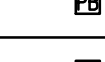
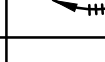
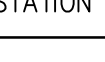
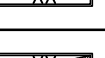
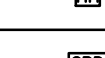
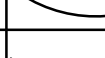
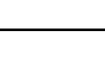
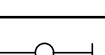
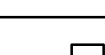
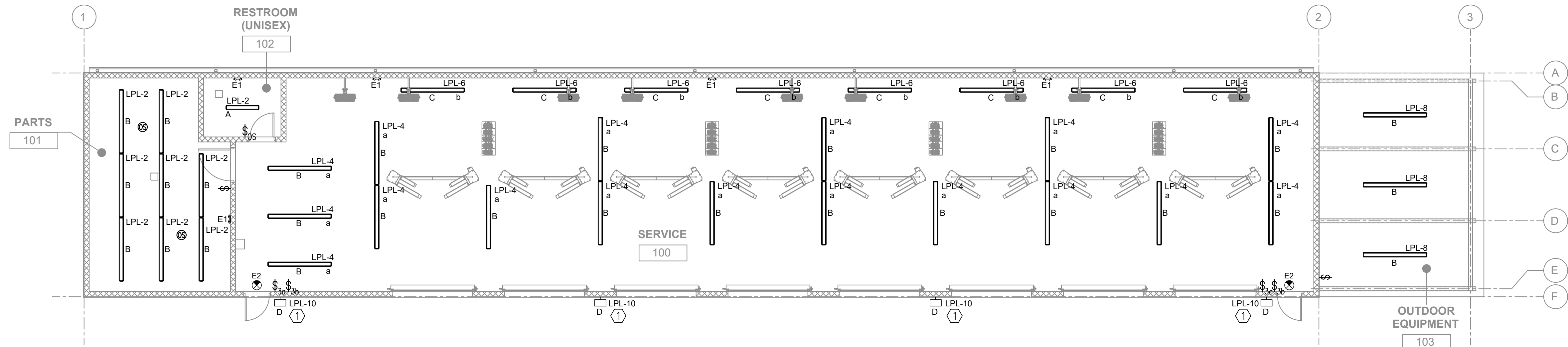


ELECTRICAL SYMBOL LEGEND									
SWITCHES		RECEPTACLES		FIRE ALARM		ELECTRICAL ABBREVIATIONS		GENERAL NOTES	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION		
	SINGLE POLE SWITCH (SUBSCRIPT INDICATES ITEM CONTROLLED)		DUPLEX RECEPTACLE, 20 AMP, 120V MOUNTED AT 18" A.F.F. U.O.N.		FIRE ALARM CONTROL PANEL		AMPERES	1) DESIGN DRAWINGS ARE SCHEMATIC IN NATURE. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.	
	EMERGENCY SWITCH		DUPLEX RECEPTACLE, 20 AMP, 120V MOUNTED AT 48" A.F.F. U.O.N.		FIRE ALARM TERMINAL CABINET		ALTERNATING CURRENT	2) THE CONTRACTOR SHALL CONTACT THE ARCHITECT OR ENGINEER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN THEIR BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT OR ENGINEER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.	
	THREE-WAY SWITCH		QUADRAPLEX RECEPTACLE, 20 AMP, 120V MOUNTED AT 18" A.F.F. U.O.N.		FIRE ALARM ANNUNCIATOR PANEL		AIR CONDITIONING	3) ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/OWNER.	
	FOUR-WAY SWITCH		QUADRAPLEX RECEPTACLE, 20 AMP, 120V MOUNTED AT 48" A.F.F. U.O.N.		FIRE ALARM VOICE / EVACUATION UNIT		ARC FAULT CIRCUIT INTERRUPTER	4) CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FROM A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.	
	HAND-OFF-AUTOMATIC SWITCH		SINGLE RECEPTACLE, 20 AMP, 120V MOUNTED AT 18" A.F.F. U.O.N.		FIRE ALARM MANUAL PULL STATION		AIR HANDLING UNIT	5) CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.	
	SINGLE POLE SWITCH WITH WEATHERPROOF COVER		GFCI RECEPTACLE, 20 AMP, 120V U.O.N. (WP DENOTES WEATHERPROOF COVER)		FIRE ALARM HORN/STROBE DEVICE MINIMUM 75CD RATING		AMPERE INTERRUPTING CAPACITY	6) ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY OF PROPERTY DAMAGE FOR THE DURATION OF THE WORK.	
	SINGLE POLE KEY SWITCH		GFCI RECEPTACLE, 20 AMP, 120V U.O.N. (WP DENOTES WEATHERPROOF COVER)		FIRE ALARM STROBE DEVICE MINIMUM 75CD RATING (WALL MOUNTED)		ALUMINUM	7) ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, NFPA 101, AND STATE AND LOCAL CODE ORDINANCES.	
	THREE-WAY KEY SWITCH		GFCI QUADRAPLEX RECEPTACLE, 20 AMP, 120V U.O.N. (WP DENOTES WEATHERPROOF COVER)		FIRE ALARM SPEAKER DEVICE (CEILING MOUNTED)		AUTOMATIC TRANSFER SWITCH	8) ALL ELECTRICAL EQUIPMENT, DEVICES, WIRE, ETC., SHALL BE LISTED, FOR INTENDED USE, WITH UNDERWRITER'S LABORATORIES INC. (U.L.), WHERE STANDARDS HAVE BEEN ESTABLISHED BY U.L.	
	FOUR-WAY KEY SWITCH		GFCI QUADRAPLEX RECEPTACLE, 20 AMP, 120V U.O.N. MOUNTED AT 48" A.F.F. U.O.N. (WP DENOTES WEATHERPROOF COVER)		FIRE ALARM HEAT DETECTOR 135°F U.O.N. (CEILING MOUNTED)		CONDUIT	9) ALL LIGHT SWITCHES SHALL BE MOUNTED 48 INCHES ABOVE FINISHED FLOOR TO CENTER LINE OF DEVICE U.O.N.	
	LOW VOLTAGE SWITCH		SPECIAL PURPOSE RECEPTACLE (NEMA RATING AS INDICATED)		FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR (CEILING MOUNTED)		CABLE TELEVISION	10) THE OPENING IN THE GYPSUM BOARD FACING SHALL BE CUT NOT TO EXCEED 1/8 INCH BETWEEN THE EDGES OF THE OUTLET BOX AND THE EDGES OF THE OPENING.	
	FAN SWITCH		EMERGENCY DUPLEX RECEPTACLE, 20 AMP, 120V MOUNTED AT 18" A.F.F. U.O.N.		FIRE ALARM IONIZATION SMOKE DETECTOR (CEILING MOUNTED)		CIRCUIT BREAKER	11) CONTRACTOR SHALL FIELD VERIFY EXISTING/NEW ROUGH-IN LOCATIONS TO SUIT THE GIVEN SPACE.	
	MOTOR SWITCH		EMERGENCY QUADRAPLEX RECEPTACLE, 20 AMP, 120V MOUNTED AT 18" A.F.F. U.O.N.		FIRE ALARM SMOKE DETECTOR WITH ELEVATOR RECALL CONTACTS		CLOSED CIRCUIT TELEVISION	12) CONTRACTOR TO FIELD VERIFY ROUTING OF NEW CONDUIT/WIRING ABOVE EXISTING CEILINGS FOR NEW DEVICES.	
	WALL DIMMER SWITCH		DUPLEX RECEPTACLE HALF SWITCHED, 20 AMP, 120V MOUNTED AT 18" A.F.F. U.O.N.		FIRE ALARM SMOKE DETECTOR RETURN DUCT		CIRCUIT	13) EQUIPMENT SHALL BE OF MATERIALS SUITABLE FOR AND NEMA RATED FOR THE ENVIRONMENT IN WHICH THEY ARE TO BE INSTALLED.	
	WALL SWITCH OCCUPANCY SENSOR		DUPLEX RECEPTACLE, 20 AMP, 120V CEILING MOUNTED		FIRE ALARM SMOKE DETECTOR SUPPLY DUCT		COPPER	14) PROVIDE BLANK COVERPLATE FOR EXISTING DEVICE BACKBOXES THAT ARE NOT REUSED. COVERPLATE SHALL OF MATERIALS SUITABLE FOR THE ENVIROMENT IN WHICH THEY ARE INSTALLED.	
	TIMER SWITCH (60 MINUTES)		QUADRAPLEX RECEPTACLE, 20 AMP, 120V CEILING MOUNTED	TELECOMMUNICATIONS (RACEWAY ONLY)			DIRECT CURRENT		
	OCCUPANCY SENSOR - CEILING MOUNTED		DUPLEX RECEPTACLE WITH ISOLATED GROUND, 20 AMP, 120V MOUNTED AT 18" A.F.F. U.O.N.		POST INDICATOR VALVE WITH TAMPER SWITCH		DIAMETER		
	OCCUPANCY SENSOR - WALL MOUNTED		DUPLEX RECEPTACLE, 20 AMP, 120V AUTOMATIC SWITCHED RECEPTACLE		FIRE HYDRANT WITH TAMPER SWITCH		EXISTING TO REMAIN		
	PHOTOCELL		QUADRAPLEX RECEPTACLE, 20 AMP, 120V AUTOMATIC SWITCHED RECEPTACLE		FLOW SWITCH		ELECTRICAL CONTRACTOR		
	LIGHTING CONTACTOR		DUPLEX RECEPTACLE, 20 AMP, 120V FLOOR MOUNTED		TAMPER SWITCH		EXHAUST FAN		
	TIME CLOCK		QUADRAPLEX RECEPTACLE, 20 AMP, 120V FLOOR MOUNTED				ELEVATOR		
	LIGHTING ROOM CONTROLLER		JUNCTION BOX - CEILING MOUNTED	SYMBOL	DESCRIPTION		EMERGENCY		
	PLUG LOAD SWITCH PACK FOR RECEPTACLE LOAD CONTROL		JUNCTION BOX - WALL MOUNTED		INFORMATION OUTLET		ELECTRICAL METALLIC TUBING		
	LIGHTING / MOTOR SWITCH PACK		JUNCTION BOX - FLOOR MOUNTED		INFORMATION OUTLET (FLOOR MOUNTED)		EMERGENCY POWER		
			JUNCTION BOX - FURNITURE SYSTEM FEED		CATV OUTLET		EMERGENCY POWER OFF (BUTTON OR SWITCH)		
			DUPLEX RECEPTACLE, 20 AMP, 120V & VOICE/DATA OUTLET FLOOR MOUNTED		CATV OUTLET (FLOOR MOUNTED)		FIRE ALARM		
			QUADRAPLEX RECEPTACLE, 20 AMP, 120V & VOICE/DATA OUTLET FLOOR MOUNTED		INTERCOM SPEAKER (CEILING MOUNTED)				
LIGHTING		MISCELLANEOUS		MISCELLANEOUS		ELECTRICAL ABBREVIATIONS		ELECTRICAL ABBREVIATIONS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CEILING MOUNTED 2'x4' RECESSED LUMINAIRE NORMAL POWER		NON-FUSED DISCONNECT SWTCH FRAME SIZE / NON-FUSED / ENCLOSURE RATING		3/4" PLYWOOD TELEPHONE BACKBOARD		FULL LOAD AMPERES		PUSH BUTTON, PANIC BUTTON, OR PULLBOX
	CEILING MOUNTED 2'x2' RECESSED LUMINAIRE NORMAL POWER		FUSED DISCONNECT SWTCH FRAME SIZE / FUSE SIZE / ENCLOSURE RATING		CONCRETE ENCASED DUCTBANK		GROUND		PANEL
	CEILING MOUNTED 2'x4' RECESSED LUMINAIRE EMERGENCY POWER		COMBINATION MAGNETIC MOTOR STARTER MCP SIZE / STARTER SIZE / ENCLOSURE RATING		HOMERUN CIRCUIT TO PANEL (1 HOT, 1 NEUTRAL, & 1 EQUIPMENT GROUND)		GALVANIZED RIGID METAL CONDUIT		POWER
	CEILING MOUNTED 2'x2' RECESSED LUMINAIRE EMERGENCY POWER		PANELBOARD, 480/277V		HOMERUN CIRCUIT TO PANEL (2 HOTS, 1 NEUTRAL, & 1 EQUIPMENT GROUND)		HAND-OFF-AUTO SWITCH		RIGID METAL CONDUIT
	CEILING MOUNTED 1'x4' RECESSED LUMINAIRE NORMAL POWER		PANELBOARD, 208/120V		HOMERUN CIRCUIT TO PANEL (3 HOTS & 1 EQUIPMENT GROUND)		HEATING, VENTILATION, AIR CONDITIONING		RIGID NON-METALLIC CONDUIT
	CEILING MOUNTED 1'x4' RECESSED LUMINAIRE NORMAL POWER		PULL BOX		HOMERUN CIRCUIT TO PANEL (3 HOTS, 1 SHARED NEUTRAL, & 1 EQUIPMENT GROUND)		HERTZ		REMOTE TEST STATION
	PENDANT MOUNTED 1'x4' RECESSED LUMINAIRE NORMAL POWER		HAND HOLE		CONDUIT CONCEALED IN CEILING OR WALL		INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS		SPARE
	PENDANT MOUNTED 1'x4' RECESSED LUMINAIRE NORMAL POWER		SURGE PROTECTION DEVICE						



2528 W. US Highway 90 - Lake City, Florida 32055

E - 1.01



1 LIGHTING PLAN
SCALE: 1/8"=1'-0"

LIGHTING FIXTURE SCHEDULE								
TYPE	MANUFACTURER	CATALOG NO.	MOUNTING	VOLT	LAMP	DESCRIPTION	WATTS	REMARKS
A	METALUX	4VT2-LD5-4-DR-W-UNV-L840-CD1-WL-U	SURFACE	120-277	LED	4'-0" LENGTH LED STRIP FIXTURE 4000K, 4600 LUMENS	29.9	
B	METALUX	8VTS-LD5-9-DR-W-UNV-L840-CD1-WL-U	SURFACE	120-277	LED	8'-0" LENGTH LED STRIP FIXTURE 4000K, 8600 LUMENS	65.7	
C	METALUX	8VTS-LD5-9-DR-W-UNV-L840-CD1-WL-U	WALL	120-277	LED	8'-0" LENGTH LED TASK STRIP FIXTURE 4000K, 8600 LUMENS	65.7	
D	METALUX	AXCS4A	WALL	120-277	LED	EXTERIOR WALL PACK LED	43.7	
OH	DUAL-LITE	OCR-D-XX-06-03L	SURFACE	120-277	LED	EXTERIOR, WEATHER-PROOF EMERGENCY FIXTURE WITH DUAL HEADS	6	
EX	DUAL-LITE	EVE-U-R-W-E-I	SURFACE	120-277	LED	SINGLE FACE LED EXIT SIGN WITH RED LETTERS W/ BATTERY PACK	2	
X	DUAL-LITE	HGX-U-R-W-03L	SURFACE	120-277	LED	SINGLE FACE LED EXIT SIGN WITH RED LETTERS, WHITE HOUSING, DUAL EMERGENCY HEADS AND REMOTE CAPABILITY	12	
NOTES: 1) LIGHTING DESIGN HAS BEEN BASED ON COOPER LIGHTING. CONTACT JEFFREY BUCHANAN - TAMPA BAY LIGHTING 813-451-2234.								

GENERAL LIGHTING NOTES

- ALL EXIT SIGNS AND EMERGENCY LIGHTS SHALL BE POWERED BY NEAREST UNSWITCHED LOCAL LIGHTING CIRCUIT.
- MANUAL AND AUTOMATIC CONTROLS IN ALL SPACES SHALL MEET FBC ENERGY CONSERVATION SECTION C405.2.
- PER FBC ENERGY CONSERVATION SECTION 408.3 A FUNCTIONAL TEST OF THE LIGHTING CONTROL SYSTEM WILL BE PERFORMED. TEST TO BE PERFORMED BY 3RD PARTY
- FIELD COORDINATE FINAL PANEL LOCATIONS PREVENTING ANY OBSTRUCTIONS OF ANY PENETRATIONS.
- BRANCH CIRCUIT CONDUCTORS AND FEEDERS ARE SIZED TO KEEP TOTAL VOLTAGE DROP BELOW 5% AS REQUIRED BY FBC 405.5.3.
- PROVIDE DRAWING AND MANUALS TO THE OWNER PER FBC ENERGY CONSERVATION SECTION C405.5.4.
- AREAS WITH OCCUPANCY (VACANCY) CONTROLS FOR LIGHTS MUST 1. AUTOMATICALLY TURN LIGHTS OFF WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE. 2. BE MANUAL ON OR CONTROLLED TO AUTOMATICALLY TURN LIGHTING ON TO NOT MORE THAN 50% POWER UNLESS THE EXCEPTION APPLIES. 3. SHALL INCORPORATE A MANUAL CONTROL TO ALLOW OCCUPANTS TO TURN LIGHTS OFF PER FBC ENERGY CONSERVATION SECTION C405.2.1.1.
- OCCUPANCY SENSORS PROVIDING ILLUMINATION OF THE MEANS OF EGRESS MUST BE A FAIL SAFE DEVICE AND BE ACTIVATED UPON ACTIVATION OF BUILDING FIRE ALARM SYSTEM PER NFPA 101 7.8.1.2.2.

ELECTRICAL KEYED NOTES

- OUTDOOR LIGHTING FIXTURE TO BE WIRED INTO ASTRONOMICAL TIMECLOCK PANEL, LCP - INTERMATIC ET8450R OR EQUAL. REFER TO POWER DRAWING FOR LOCATION OF LCP PANEL.

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Revisions

Rountree - Moore KIA
— Service Department Addition —

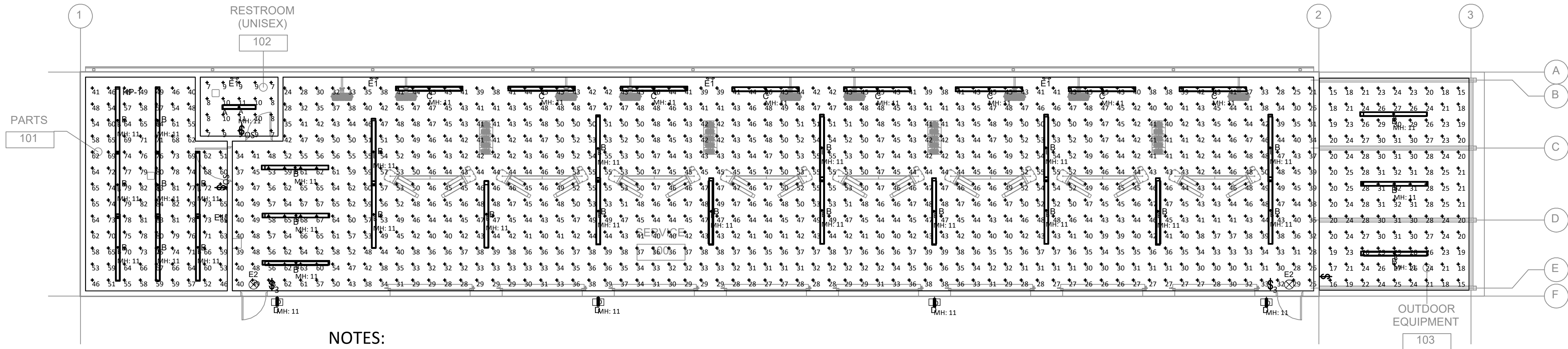
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LIGHTING
PLAN

Project number 2022.01
Date October 20, 2022

E - 2.01

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NOTES:
- All fixtures mounted at labeled heights

FIXTURE SCHEDULE								
Symbol	Qty	Type	Fixture	Arrangement	LLF	Lamp Lumens	Fixture Lumens	Watts
	4	D	AXCS4A	Single	0.912	N.A.	5520	43.7
	8	C	8VT2-LD5-9-DR-W-UNV-L840-CD1-WL-U	Single	0.950	N.A.	8665	65.7
	1	A	4VT2-LD5-4-DR-W-UNV-L840-CD1-WL-U	Single	0.950	N.A.	3963	29.9
	28	B	8VT2-LD5-9-DR-W-UNV-L840-CD1-WL-U	Single	0.950	N.A.	8665	65.7

CALCULATION SUMMARY											
Label	Avg	Max	Min	Max/Min	Avg/Min	Units	CalcType	Grid Z	PtSpcLr	PtSpcTb	
Outdoor Equipment 103_Floor	24.56	32	15	2.13	1.64	Fc	Illuminance	0	2	2	
Parts 101_Floor	65.90	84	40	2.10	1.65	Fc	Illuminance	0	2	2	
RR 102_Floor	8.80	11	7	1.57	1.26	Fc	Illuminance	0	2	2	
Service 100_Workplane	43.54	68	21	3.24	2.07	Fc	Illuminance	2.5	2	2	

1 LIGHTING PHOTOMETRIC PLAN
SCALE: 1/8"=1'-0"

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LIGHTING
PHOTOMETRIC
PLAN

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