1 0

WALL MOUNTED LIGHT FIXTURE (SEE SCHEDULE)

WALL MOUNTED LIGHT FIXTURE (SEE SCHEDULE)

Å₽a

LIGHTING CONTROLS

THREE WAY 20A 120/277V SWITCH - UON CENTERLINE MOUNTED 48" AFF

SINGLE POLE SWITCH 20A 120/277V UON CENTERLINE MOUNTED 48" AFF K: KEY TYPE M: MOTOR RATED

FOUR WAY WALL MOUNTED SWITCH - UON CENTERLINE MOUNTED 48" AFF

DIMMER SWITCH — UON CENTERLINE MOUNTED 48" AFF

TIME SWITCH AS INDICATED. UON MOUNT TOP OF ENCLOSURE 66" AFF

CEILING MOUNTED DAYLIGHT DIMMING OCCUPANCY SENSOR.

CEILING MOUNTED OCCUPANCY SENSOR.

WALL MOUNTED OCCUPANCY SENSOR. UON CENTERLINE MOUNTED 48" AFF

WALL MOUNTED DIMMING OCCUPANCY SENSOR/MANUAL DAYLIGHT DIMMING CONTROL. UON CENTERLINE MOUNTED 48" AFF.

GENERAL NOTES

 TEXT SHOWN ON PLANS ADJACENT TO LIGHTING FIXTURES SHALL DENOTE THE FOLLOWING: LOWERCASE LETTER (BY FIXTURE OR SWITCH) INDICATES LIGHT SWITCH CONTROL. UPPERCASE LETTER INDICATES FIXTURE TYPE. NUMERAL INDICATES BRANCH CIRCUIT NUMBER.

SHADED LIGHTING FIXTURE SYMBOLS THAT APPEAR ON PLANS INDICATE EMERGENCY LIGHTING FIXTURES AND SHALL BE INTERPRETED AS FOLLOWS:

LIFE SAFETY BRANCH CIRCUIT:

CRITICAL BRANCH CIRCUIT: EMERGENCY LIGHT FIXTURE WITH BATTERY BACK UP:

(THE ABOVE SHALL APPLY TO ALL LIGHTING FIXTURE SYMBOLS SHOWN ON LEGEND).

PLANS WITH AN ADJACENT ABBREVIATION SHALL BE INTERPRETED AS FOLLOWS:

3. NUMERALS SHOWN ON PLANS ADJACENT TO WIRING DEVICES INDICATE BRANCH CIRCUIT NUMBER(S). 4. STANDARD SYMBOLS SHOWN ON LEGEND MAY NOT ALL APPEAR ON PLANS. WHERE SYMBOL

APPEARS ON PLANS FURNISH AND INSTALL AS SPECIFIED. 5. ALL STANDARD SYMBOLS ON LEGEND THAT APPEAR ON PLANS WITH HIDDEN LINES SHALL BE EXISTING TO REMAIN (FOR REFERENCE ONLY). EXISTING SYMBOLS (AS DESCRIBED ABOVE) THAT APPEAR ON

E = EXISTING TO REMAIN.

LOCATION AND RECONNECT.

D = EXISTING TO BE REMOVED. CONTRACTOR SHALL REMOVE DEVICE AND/OR EQUIPMENT AND UNLESS OTHERWISE NOTED REMOVE ALL UNUSED CONDUIT AND WIRING RL = EXISTING TO BE RELOCATED (SHOWN AT EXISTING LOCATION ON DEMOLITION PLAN).

REFER TO INSTALLATION PLAN FOR NEW LOCATION. CONTRACTOR SHALL EXTEND WIRING TO NEW

* PER NEC 430.24

VOLTS LAMP FIXTURE LUMENS VA

|MVOLT| LED | 36 |

120 | LED | 277.2 |

120 | LED |

SY300 L1L10 WD 35K 120 SWK (REM7) SNT XXX XXX 120 LED 13 924 WALL EXTERIOR

58.4 AMPS

					AMPS: 100											
DANEL MD						MAIN: LUGGS ONLY						ENCLOSURE: NEMA 1				
PANEL: MP					MODEL: NQOD						AIC: 10,000					
SEI	RVICE: 120/ 240 V, 1Φ, 3W															
CKT	T			BRE	AKER	С	ONNECT	ED	LOAD (K\	BREAKER				СК		
NUM	DESCRIPTION		CODE	Α	Р	Α	В		Α	В	Α	Р	CODE	DESCRIPTION	NU	
1	BACK WALL REC.		REC	20	1	1.00			1.00		20	1	REC	FLOOR BOX REC.	2	
3	BACK WALL REC.		REC	20	1		1.00			1.00	20	1	REC	FLOOR BOX REC.	4	
5	BACK WALL REC.		REC	20	1	1.00			1.00		20	1	REC	PERIMETER REC.	6	
7	BACK WALL REC.		REC	20	1		1.00			1.00	20	1	REC	PERIMETER REC.	8	
9	CANOPY WALL REC.		REC	20	1	1.00			1.28		20	1	LTG	TRUSS LIGHTING FRONT	10	
11	CANOPY WALL REC.		REC	20	1		1.00			0.50	20	1	LTG	TRUSS LIGHTING REAR	12	
13	CANOPY WALL REC.		REC	20	1	1.00			0.50		20	1	LTG	DMX CONTROLLER	14	
15	CANOPY WALL REC.		REC	20	1		1.00			0.00				SPACE	16	
17	RECEPTACLES (REC)		REC	20	1	0.36			0.00					SPACE	18	
19	SPARE	7		20	1		0.00			0.00				SPACE	20	
						4.4	4.0		3.8	2.5						
	CONNECTED			DEMAN		D DEMAND				MIN NEC						
	LOAD (KVA)				, ,		A)	LOAD (KVA		A) LOAD (AMP			•			
LIGHTING (LTG)			2.3		1.25	2.3			2.8					* PER NEC 215.3		
	RECEPTACLES (REC)	12.4		*			11.2			11.2				* PER NEC 220.44		
	AC (NON COINCID)(AC NC) 0.0			1.0		0.0			0.0					* PER NEC 220.60		
	HEAT (NON COINCID)(H NC) 0.0			1.0			0.0		0.0					* PER NEC 220.60		
	HVAC (COINCID) HVAC C) 0.0			1.0			0.0		0.0							
	MISC. EQUIPMENT (EQ)	0.0			1.0		0.0			0.0						

ABBREVIATIONS

AMPERE ABOVE COUNTER ARC FAULT CIRCUIT INTERRUPTER ABOVE FINISHED FLOOR AIR HANDLING UNIT AMPERAGE INTERRUPTING CAPACITY AUTOMATIC TRANSFER SWITCH AUDIO VISUAL AMERICAN WIRE GAUGE BOTTOM OF BOX CATEGORY CIRCUIT BREAKER CIRCUIT CENTER LINE CL CLG COB CENTER OF BOX EQUIPMENT GROUND BAR ELECTRICAL CONTRACTOR EMERGENCY LECTRICAL METALLIC TUBING ELECTRIC WATER HEATER FIRF ALARM FURNISHED BY OTHERS FIRE ALARM CONTROL PANEL FIRE CONTROL CENTER FO GFIC FIRFR OPTIC HOA HORSEPOWER JUNCTION BOX KCMIL

FIRE ALARM TERMINAL CABINET GROUND FAULT CIRCUIT INTERRUPTER HAND-OFF-AUTOMATIC HEATING/AIR CONDITIONING RATED HIGH POWER FACTOR HIGH PRESSURE SODIUM ISOLATED GROUND INTERNET PROTOCOL TELEVISION THOUSAND CIRCULAR MILLS KILOVOLT AMPERER MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER A/V & WIFI CABINET MAINT LUGS ONLY MOUNTED MANUAL TRANSFER SWITCH MICROWAVE NOT APPLICABLE NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUF. ASSOC. NON FUSED NATIONAL FIRE PROTECTION ASSOCIATION NOT IN CONTRACT NIGHT LIGHT NORMALLY OPEN NOT TO EXCEED PUSHBUTTON PHOTOCELL POWER OVER ETHERNET PROVIDE AND INSTALL

PLAIN OLE TELEPHONE SYSTEM POLY VINYL CHLORIDE RIGID GALVANIZED STEEI SHORT CIRCUIT AMPS SURGE PROTECTIVE DEVICE SHIELDED TWISTED PAIR SWITCH **SWITCHBOARD** TIME CLOCK TWISTED PAIR TAMPER RESISTANT TIME SWITCH UNDER COUNTER UNDERGROUND UNIT HEATER

UNINTERRUPTIBLE POWER SUPPLY UNLESS OTHERWISE NOTED VARIABLE AIR VOLUME WEATHER RESISTANT TRANSFORMER TWO GANG

MOUNT

WALL

TRUSS

TRUSS

4896

3401

7762

DEVICES

ALL DEVICES ARE WHITE W/PLASTIC COVERS UON. - ALL SWITCHES & ABOVE COUNTER DEVICES ARE @ 48" TOB ALL RECEPTACLES & DATA OUTLETS ARE @ 20" TOB A DIFFERENT MOUNTING HEIGHT IS @ TOB EXTERIOR RECEPTACLES ARE GFCI AND WEATHER RESISTANT. ALL RECEPTACLES SERVICING LOCATIONS ACCESSIBLE TO CHILDREN SHALL BE TAMPER RESISTANT.

LOCATION NOTES TAG

OL1

OL2

I AS SHOWN I

EXTERIOR

EXTERIOR

ELECTRIC NOTES

AND SHALL BE REGISTERED OR LICENSED IN ACCORDANCE WITH THE LOCAL JURISDICTION REQUIREMENTS.

CONTRACTOR SHALL PROVIDE FOR AND ACQUIRE ALL NECESSARY PERMIT(S) AND INSPECTIONS AS MAY BE REQUIRED BY THE AUTHORITY(IES) HAVING JURISDICTION.

INSTALLATION SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF THE APPLICABLE CODES IN FORCE OR ADOPTED BY THE AUTHORITIES HAVING

NO CHANGE ORDERS — THE CONTRACTOR SHALL FURNISH ALL MATERIALS AND LABOR NECESSARY FOR THE INSTALLATION OF A COMPLETE AND FUNCTIONAL ELECTRICAL SYSTEM MEETING THE INTENDED PURPOSE OF THE PROJECT.

THE CONTRACTOR SHALL MAKE A THOROUGH EXAMINATION OF THE SITE CONDITIONS AND CONTRACT DOCUMENTS.

PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITIES FOR METERING, TRANSFORMER AND SERVICE CONNECTION

CONDUIT SHALL BE INSTALLED CONCEALED OR RECESSED IN A NEAT AND WORKMANLIKE MANNER. ALL CONDUIT SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING LINES UNLESS OTHERWISE APPROVED BY OWNER. EXPOSED CONDUIT ON EXTERIOR WALLS OF FINISHED WALLS IS PROHIBITED UNLESS OTHERWISE REVIEWED AND APPROVED BY OWNER.

CONDUIT SHALL BE EMT AND FITTINGS SHALL BE STEEL. FOR UNDERGROUND AND UNDER SLAB INSTALLATIONS, CONDUIT SHALL BE PVC OR IMC W/AN ASPHALTIC OR OTHER APPROVED CORROSION INHIBITING COATING.

. TO LIMIT WATER INTRUSION, SEAL ALL CONDUITS WHERE THE CONDUIT CONNECTS AN INTERIOR CONDUIT BODY TO AN EXTERIOR CONDUIT BODY OR LUMINAIRE.

10. PROVIDE AN INDEPENDENT MEANS OF SUPPORT FOR CONDUIT INSTALLED ABOVE A CEILING WHERE THEY ARE DISTINGUISHABLE BY COLOR, TAGGING OR OTHER EFFECTIVE MEANS. THE CEILING SUPPORT SYSTEM SHALL BE PERMITTED TO SUPPORT BRANCH CIRCUIT WIRING WHERE INSTALLED IN ACCORDANCE WITH THE CEILING MANUFACTURER'S INSTRUCTIONS.

1. PROVIDE AN INSULATED THROAT FITTING OR PLASTIC BUSHING FOR ALL 1" AND LARGER CONDUIT TERMINATIONS IN PANEL BOARDS, LOAD CENTERS, WIREWAYS

12. PROVIDE GROUNDING BUSHINGS FOR ANY CONDUIT TERMINATIONS AT ECCENTRIC AND CONCENTRIC KNOCKOUTS IN DISCONNECTS, PANELBOARDS AND LOAD CENTERS OR WHEN REDUCING WASHERS ARE USED. BOND ALL JUNCTION AND

3. WIRE/CABLES SHALL BE COPPER OR ALUMINUM AS ALLOWED BY CODE AND LISTÉD FRO THE INTENDED USE AND ENVIRONMENT. AMPACITIES ARE CALCULATED

14. REFER TO BRANCH CIRCUIT SCHEDULE FOR MAXIMUM LENGTHS OF CONDUCTOR SIZE FOR HOMERUNS.

15. ALL WIRING DEVICES SHALL BE TERMINATED AT THE SCREW IN A CLOCKWISE DIRECTION. THE PUSH-IN TERMINATIONS SHALL NOT BE USED.

16. VERIFY DOOR SWINGS AND BACKSPLASH HEIGHTS AT ROUGH IN.

17. STAGGER WALL BOXES IN ALL WALLS BY AT LEAST ONE STUD FOR SOUND ATTENUATION. APPLY NECESSARY FIRE PROOFING OR SOUND INSULATION AS REQUIRED OR AS LISTED ON ARCHITECTURAL PLANS.

18. PROVIDE A TYPED PANEL SCHEDULE REFLECTING INSTALLED CONDITIONS FOR ALL PANEL BOARDS WITH "SPACE" OR "SPARE" PERMANENTLY WRITTEN.

19. SUPPORT WIRES FOR ELECTRICAL EQUIPMENT SHALL BE FASTENED AT BOTH ENDS SO AS TO BE TAUT. INSTALLATION OF ELECTRICAL CABLES AND CONDUIT SHALL

20. "TYPICAL" NOTES APPLY TO ALL SIMILAR SITUATIONS.

BE SUCH THAT UNDULATIONS ARE KEPT TO A MINIMUM.

21. PERMANENTLY LABEL ALL JUNCTION BOX COVERS WITH CIRCUITS DESIGNATION (SOURCE, PHASE, ETC.) CONTAINED WITHIN.

22. AT CONCLUSION OF PROJECT, PROVIDE OPERATING, INSTALLATION INSTRUCTIONS. AND WARRANTY DOCUMENTS TO THE OWNER FOR ALL INSTALLED EQUIPMENT. OPERATING, INSTALLATION, AND WARRANTY DOCUMENTS SHALL BE BOUND. TOGETHER WITH INDEX INDICATING WHERE TO FIND INFORMATION ON THE VARIOUS

23. PROVIDE THE APPROPRIATE FIRE STOP SYSTEM AND/OR FIRE CAULK AT ANY PENETRATION BETWEEN RATED ASSEMBLIES.

24. CONDUIT TERMINATION AT NEMA3R ENCLOSURES SHALL BE WITH MYERS HUBS FOR TOP PENETRATIONS AND LIQUID TIGHT SEALING RINGS OR SEALING LOCKNUTS FOR SIDE PENETRATIONS.

25. FOR ALL LED LUMINAIRES, PERMANENTLY MARK EACH FIXTURE WITH TAG #, MANUFACTURER, MODEL NUMBER, INSTALLATION DATE, INSTALLING CONTRACTOR AND LENGTH OF MANUFACTURER'S WARRANTY.

26. COORDINATE INSTALLATION OF RECEPTACLES SHOWN ADJACENT TO MILLWORK WITH ARCHITECTURAL ELEVATIONS SO THEY ARE ACCESSIBLE. LOCATIONS SHOWN ON

7. INSTALL ELECTRICAL HARDWARE SUPPORTING ELECTRICAL FED AND OTHER EQUIPMENT IN ACCORDANCE WITH THE WEIGHT REQUIREMENTS OF THE EQUIPMENT, FIXTURE, APPLIANCE, ETC.

28. ALL EXHAUST FANS SHALL BE POWERED FROM NEAREST LIGHTING CIRCUIT UON, AND SHALL HAVE A 20A RATED TOGGLE DISCONNECT SWITCH IN A NEMA 1 RATED

29. ALL CONDUCTORS SHALL BE COLOR CODED AS FOLLOWS.

ORANGE YELLOW PHASE C BLUE

POWER LEGEND

MANHOLE.

HAND HOLE.

CEILING OR WALL MOUNTED JUNCTION BOX. UON SIZE AS REQUIRED BY NEC.

MISCELLANEOUS PANELBOARD. AS INDICATED. DRY TYPE TRANSFORMER. AS INDICATED.

> HEAVY DUTY DISCONNECT SWITCH, NON FUSIBLE. UON MOUNT TOP OF ENCLOSURE 66" AFF

DUPLEX RECEPTACLE. 20A 120V UON CENTERLINE MOUNTED 18" AFF

FLOOR MOUNTED DUPLEX RECEPTACLE.

FLOOR MOUNTED DOUBLE DUPLEX RECEPTACLE.

FLOOR MOUNTED COMBINATION (20A 120V) DUPLEX RECEPTACLE/DATA COMMUNICATION OUTLET. FLOOR MOUTNED COMBINATION (20A 120V) DOUBLE DUPLEX

RECEPTACLE/DATA COMMUNICATION OUTLET.

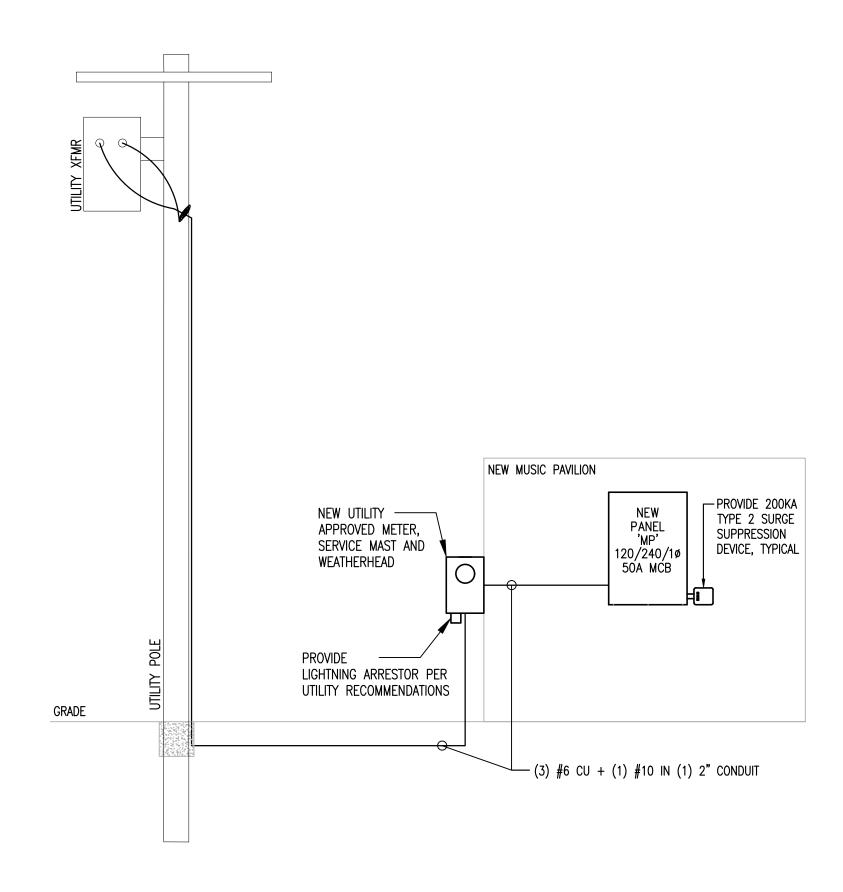
DRAWING INDEX

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EO.O LEGEND, ABBREVIATIONS AND GENERAL NOTES E1.0 ELECTRICAL SITE PLAN E2.0 ELECTRICAL CONSTRUCTION FLOOR PLAN

APPLICABLE CODES

2023 FLORIDA BUILDING CODE 8TH EDITION FLORIDA FIRE PREVENTION CODE 8TH EDITION WITH NFPA 1 AND 101 AMENDMENTS NFPA 70, 2020 NATIONAL ELECTRICAL CODE NFPA 72, 2019 FIRE ALARM & SIGNALING NFPA 101, 2018 LIFE SAFETY CODE, FL EDITION





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ENGINEER SEAL LUIS G. VARGAS JR, P.E Lic. No. 52139 Exp 02-28-20 acent to the seal. ned and sealed and the ature must be verified o

SHEET NO.

SENERAL NOTES

OL1

MOTORS (MTR) LARGEST MTR

MISCELLANEOUS (MISC)

DESCRIPTION

4' WALL LIGHT

RGB SPOT LIGHT

SPOP LIGHT

EXTERIOR SCONCE

QTY SHOWN IN SCHEDULE IS FOR ENERGY CALCULATIONS ONLY, VERIFY FINAL QUANTITIY PER CONTRACT DRAWINGS. ALL FIXTURES SHALL BE SUPPLIED WITH MOUNTING EQUIPMENT IN COORDINATION WITH CIVIL AND ARCHITECTURAL DETAILS.

ALL FIXTURE FINAL SELECTION BY OWNER/ARCHITECT. CONTROL AND LOAD TO BE VERIFIED BY ENGINEER

0.0

0.0

CATALOG NUMBER

COLORADO 1QS

OVATIONREVEP3IP

CSS L48 AL03 MVOLT SWW3 80CRI (IE10WCPHE)

1.25

MANUFACTURER

LITHONIA

CHAUVET

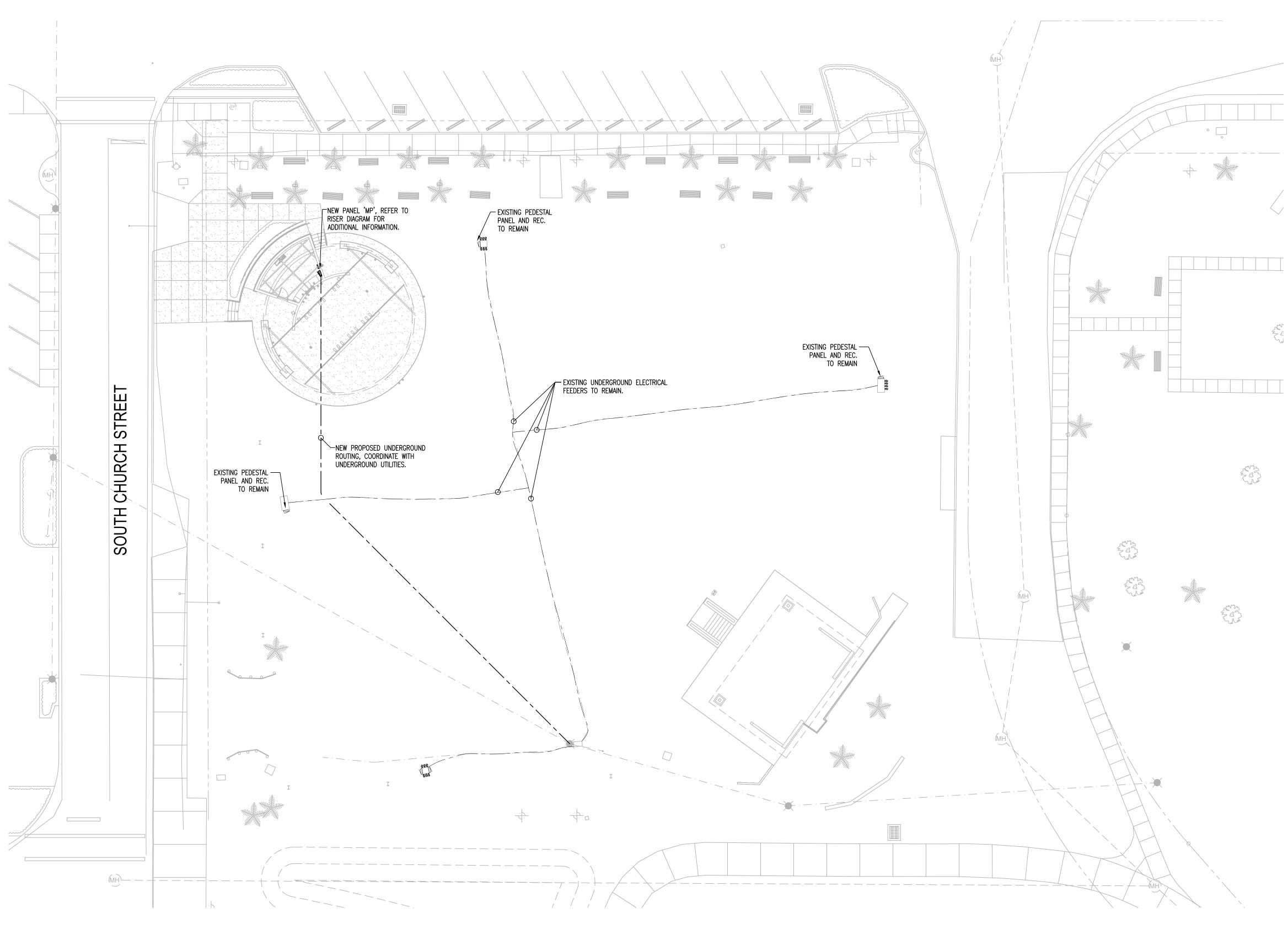
CHAUVET

LUMINIS

0.0

LUMINAIRE SCHEDULE

- CONTRACTOR SHALL COORDINATE ALL WORK WITH ELECTRIC AND TELECOM UTILITIES REQUIREMENTS PRIOR TO BID AND/OR CONSTRUCTION.
- GROUP ALL CONDUITS IN BUILDING AS CLOSE TOGETHER AS CODE PERMITS AND RUN PARALLEL TO PROVIDE A CLEAN LOOK.
- 3. CONTRACTOR SHALL PROVIDE ALL UNDERGROUND CONDUITS AS REQUIRED. COORDINATE ALL REQUIREMENTS WITH SERVING UTILITY COMPANY REQUIREMENTS PRIOR TO BID AND/OR CONSTRUCTION.
- 4. PROVIDE ASTRONOMICAL TIME—CLOCK WITH PHOTOCELL OVERRIDE FOR CONTROL OF ALL OUTDOOR LIGHTING VIA MECHANICAL LIGHTING CONTRACTOR. ALL EXTERIOR EQUIPMENT SHALL BE NEMA 3R. COORDINATE LOCATIONS IN FIELD WITH APPROVED EQUIPMENT SUBMITTALS/SHOP DRAWINGS AND ADJACENT HOUSE SERVICE PANELBOARD AND EQUIPMENT IN A WORKMAN LIKE MANNER.
- 5. THIS DESIGN ASSUMES AVAILABLE FAULT CURRENT AS SHOWN FOR UTILITY PAD MOUNTED TRANSFORMER. ELECTRICAL CONTRACTOR SHALL CONTACT UTILITY COMPANY TO OBTAIN THE ACTUAL AVAILABLE FAULT CURRENT AS SOON AS CONTRACT IS AWARDED, PRIOR TO ORDERING OR APPROVING RELEASE OF EQUIPMENT AND REPORT UPDATED INFORMATION TO ENGINEER IN WRITING. ENGINEER WILL CALCULATE AVAILABLE FAULT CURRENTS AND RELAY RESULTS TO THE ELECTRICAL CONTRACTOR FOR COMPLIANCE WITH THE NEC 110.24(A),(B) FIELD MARKING REQUIREMENTS. ELECTRICAL CONTRACTOR TO PROVIDE ARC—FLASH HAZARD WARNING FIELD MARKING PER NEC 110.16. ELECTRICAL CONTRACTOR TO PROVIDE SERIES RATED LABELING PER NEC 110.22(B) WHERE THERE IS AN APPLIED SERIES RATING AS SHOWN ON THE DRAWINGS. ANY ADDITIONAL COST FOR FAILURE TO COMPLY WITH THE ABOVE REQUIREMENTS WILL BE STRICTLY AT CONTRACTOR'S EXPENSE.
- 6. REFER TO FAULT CURRENT TABLE FOR WORST CASE AFC AT PANELS PER FLOOR. EC TO ENSURE PANELBOARDS ARE SUITABLE FOR FAULT CURRENT ENVIRONMENT (BUS AFC).





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Check positive response codes before you dig!





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ENGINEER SEAL

LUS G. VARGAS JR, P.E.
FL. Lic. No. 52139 Exp 02–28–20.
This item has been digitally signed and sealed by Luis G. Vargas Jr, PE on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

SHEET NO.

PAVI KE, FLOI

MUSIC

E.1.0

