

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NO.	VOLTS	NO. OF LAMPS	LAMP WATTS	LAMP TYPE	DESCRIPTION	REMARKS
W	COLORKINETICS COLOR-REACH (WHITE COLOR HOUSING)		120	LED	290	RGB LED	COLOR CHANGING PROGRAMMABLE LED UPLIGHT FOR CANOPY	①②③④
X	*ETC* #SELD40-V-0-1-DRJM-5 (WHITE COLOR HOUSING)		120	LED	100	X7 LED	COLOR CHANGING PROGRAMMABLE LED STRUCTURE FOR STRUCTURE & SPACE FRAME (WITH WVID COLOR MIX)	①②③⑤⑨
X2	*ETC* #SELD40-V-0-1-DRJM-5 (WHITE COLOR HOUSING)		120	LED	100	X7 LED	COLOR CHANGING PROGRAMMABLE LED FOR STRUCTURE & SPACE FRAME (WITH WVID COLOR MIX)	①②③⑥⑩
Y	*ETC* #SELD40-V-0-1-DRJM-5 (WHITE COLOR HOUSING)		120	LED	100	X7 LED	COLOR CHANGING PROGRAMMABLE LED FOR THEATRICAL DOWN-LIGHTS (WITH WVID COLOR MIX)	①②③⑤⑦⑨
Z	*ALTMAN* #SSW-PAR100-3-W (WHITE COLOR HOUSING)		120	LED	100	WHITE LED	WHITE COLOR PROGRAMMABLE LED THEATRICAL DOWNLIGHTS (3000K WHITE)	①②③⑧
Z2	*ALTMAN* #SSW-PAR100-3-W (WHITE COLOR HOUSING)		120	LED	100	WHITE LED	WHITE COLOR PROGRAMMABLE LED THEATRICAL DOWNLIGHTS (3000K WHITE)	①③⑦⑧

NOTES:

- ① OUTDOOR/WET LOCATION RATED.
- ② PROVIDE MEANS OF MOUNTING TO THREADED STUD OR METAL PLATE PROVIDED.
- ③ CONTRACTOR AND SYSTEM INTEGRATOR SHALL PROVIDE NIGHT-TIME DEMONSTRATION AND AIMING OF FIXTURES.
- ④ PROVIDE WITH ACCESSORY LENSE AND DATA ENABLER.
- ⑤ PROVIDE WITH ACCESSORY LENSE OPTION SET.
- ⑥ PROVIDE WITH COLOR FRAME AND #SELO2040-9 OBLONG FIELD LENSE.
- ⑦ PROVIDE WITH MOUNTING CLAMP BY FIXTURE MANUFACTURER FOR THIS LIGHT SOURCE.
- ⑧ PROVIDE EACH FIXTURE WITH ACCESSORY LENSE SET #97-0150.
- ⑨ PROVIDE WITH #490PH3 TOP HAT 3" TUBE.
- ⑩ PROVIDE WITH #490CF COLOR FRAME FOR OBLONG LENSE.

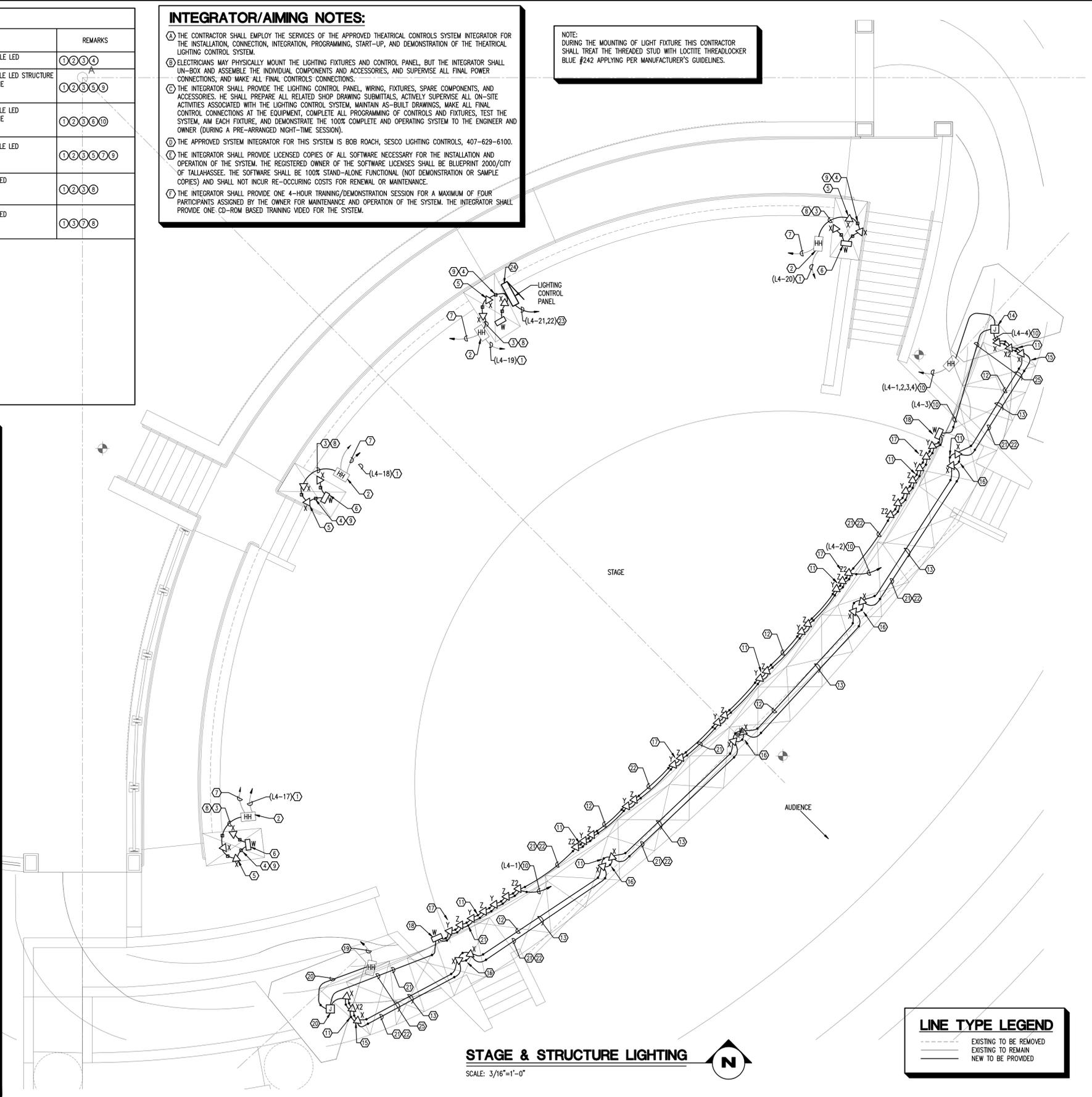
WORK NOTES:

- ① EXISTING UNDERGROUND CONDUIT (2) 1" #10, 1 #10 N & 1 #10 G) FROM HANDHOLE TO AUXILIARY "LIGHTS" POWER PANEL "L4" CIRCUIT NUMBER INDICATED.
- ② SPLICE POWER CONDUCTORS INSIDE HANDHOLE. PROVIDE UTILITY-GRADE, SUBMERSIBLE, MULTI-TAP, ENCAPSULATED CABLE-BLOCK CONNECTORS SUCH AS HOMAC, UTILCO, OR BURNDY.
- ③ PROVIDE DPA-M BARE-END TO MOLEX ADAPTER XT CABLE OF LENGTH REQUIRED AND EXTEND IN EXISTING 1/2" CONDUIT THRU CONCRETE BASE TO LIGHT FIXTURES.
- ④ ROUTE AND CONNECT POWER LEADS INCLUDED WITH FIXTURES USING WATERTIGHT MOLEX CONNECTORS PROVIDED. MANAGE AND CABLE-TIE SLACK CABLE TO FIXTURE HANGING YOKE. EXTEND CIRCUIT THRU FIXTURES AS INDICATED.
- ⑤ PROVIDE 1/2"x1/8" GRADE 8 NUT, WASHERS, AND LOCK-WASHER AND ATTACH EACH "X" FIXTURE YOKE TO THE CANOPY STANCHION USING THE THREADED STUD PROVIDED (ONE STUD PER FIXTURE). THE FIXTURE LOCATION IS APPROXIMATELY 24-INCHES ABOVE THE TOP OF THE CONCRETE BASE. DIRECT EACH "X" FIXTURE LENSE UPWARD TO ILLUMINATE THE UPPER PORTIONS OF THE STANCHION. REFER TO INTEGRATOR/AIMING NOTES.
- ⑥ PROVIDE 1/2"x1/8" GRADE 8 BOLT, NUT, WASHERS, AND LOCK-WASHER SETS AND ATTACH EACH "W" FIXTURE YOKE TO THE CANOPY STANCHION USING THE METAL PLATE PROVIDED (THE HOLE IS PRE-DRILLED IN EACH PLATE). THE FIXTURE LOCATION IS APPROXIMATELY 24-INCHES ABOVE THE TOP OF THE CANOPY BASE. DIRECT EACH "W" FIXTURE LENSE UPWARD TO ILLUMINATE THE CANOPY FABRIC. REFER TO INTEGRATOR/AIMING NOTES.
- ⑦ PROVIDE DMX LIGHTING CONTROL CABLE (BELDEN #9729DMX) IN EXISTING UNDERGROUND 1" CONDUIT FROM HANDHOLE TO LIGHTING CONTROL PANEL. PROVIDE CONNECTIONS INSIDE CONTROL PANEL. PROVIDE WATER-TIGHT DMX CONNECTORS IN HANDHOLES.
- ⑧ EXTEND DMX LIGHTING CONTROL CABLE IN EXISTING 1/2" CONDUIT THRU CONCRETE BASE TO LIGHT FIXTURES (SHARED CONDUIT WITH POWER FEED INSIDE CONCRETE BASE).
- ⑨ ROUTE AND CONNECT DMX CONTROL LEADS INCLUDED WITH FIXTURES USING WATER-TIGHT DMX CONNECTORS PROVIDED. MANAGE AND CABLE-TIE SLACK CABLE TO FIXTURE HANGING YOKE. EXTEND CONTROL CIRCUIT THRU FIXTURES AS INDICATED.
- ⑩ PROVIDE DPA-M BARE-END TO MOLEX ADAPTER XT CABLE OF LENGTH REQUIRED AND EXTEND ALONG CABLE TRAY ON ARCH TO JUNCTION BOX ON TOP OF NORTH ARCH SUPPORT. SPLICE AND EXTEND IN EXISTING 1/2" CONDUIT TO AUXILIARY "LIGHTS" POWER PANEL "L4" CIRCUIT NUMBER INDICATED.
- ⑪ ROUTE AND CONNECT POWER LEADS INCLUDED WITH FIXTURES USING WATER-TIGHT MOLEX CONNECTORS PROVIDED. MANAGE AND CABLE-TIE SLACK CABLE ALONG CABLE-TRAY. EXTEND CIRCUIT THRU FIXTURES AS INDICATED. (TYP.)
- ⑫ PROVIDE OUTDOOR XT MOLEX TO MOLEX EXTENSION CABLE OF LENGTH AS REQUIRED TO EXTEND CIRCUIT BETWEEN FIXTURES WHERE FACTORY-SUPPLIED FIXTURE-CONNECTED CABLES DO NOT REACH. CABLE-TIE AND MANAGE CABLES ALONG CABLE-TRAY. (TYP.)
- ⑬ CABLES SHOWN RUNNING BETWEEN FIXTURES ALONG FRONT OF ARCH FOR CIRCUIT CLARIFICATION ONLY. THESE CABLES SHALL BE MANAGED AND CABLE-TIED TO THE CABLE TRAY ALONG THE STAGE SIDE OF THE ARCH. (TYP.)
- ⑭ TERMINATE OUTDOOR XT CABLE AND SPLICE IN JUNCTION BOX ON TOP OF EXISTING CONCRETE ARCH BASE. EXTEND NEW CONDUIT AND CONNECT TO EXISTING 1/2" CONDUIT INSIDE CONCRETE BASE. EXTEND CIRCUITS (NO SHARED NEUTRALS) THRU HANDHOLE AND EXISTING UNDERGROUND CONDUIT TO PANEL "L4".
- ⑮ DRILL TOP OF CONCRETE BASE WITHIN AREA OF ARCH TRIANGLE AND PROVIDE EPOXY-ANCHORED BOLTS, NUTS, WASHERS, AND LOCK WASHERS TO ATTACH THESE THREE "X" FIXTURE YOKES TO THE CONCRETE BASE. DIRECT EACH "X" FIXTURE LENSE UPWARD TO ILLUMINATE THE UPPER INTERIOR OF THE ARCH STRUCTURE. REFER TO INTEGRATOR/AIMING NOTES. NOTE THERE ARE TWO SETS OF THREE FIXTURES; ONE SET ON TOP OF EACH ARCH CONCRETE BASE.
- ⑯ PROVIDE 1/2"x1/8" GRADE 8 NUT, WASHERS, AND LOCK WASHER TO ATTACH EACH "X" FIXTURE YOKE TO THE FRONT-TOP CHORD OF THE ARCH USING THE THREADED STUD PROVIDED (ONE STUD PER FIXTURE). DIRECT EACH FIXTURE LENSE PARALLEL TO ARCH TO ILLUMINATE THE ARCH STRUCTURE AS INDICATED BY THE SYMBOL. REFER TO INTEGRATOR/AIMING NOTES.
- ⑰ PROVIDE 1/2"x1/8" GRADE 8 NUT, WASHERS, AND LOC WASHER TO ATTACH EACH "Y", "Z", AND "Z2" FIXTURE YOKE TO THE BOTTOM CHORD OF THE ARCH USING THE THREADED STUD PROVIDED (ONE STUD PER FIXTURE). DIRECT EACH FIXTURE LENSE TOWARD THE STAGE FLOOR. REFER TO INTEGRATOR/AIMING NOTES. (TYP.)
- ⑱ PROVIDE 1/2"x1/8" GRADE 8 BOLT, NUT, WASHERS, AND LOCK WASHER SETS TO ATTACH EACH OF TWO "W" FIXTURES YOKE TO THE ARCH USING THE METAL PLATE PROVIDED (THE HOLE IS PRE-DRILLED IN EACH PLATE). DIRECT EACH "W" FIXTURE LENSE UPWARD TO ILLUMINATE THE CANOPY FABRIC. REFER TO INTEGRATOR/AIMING NOTES.
- ⑲ PROVIDE DMX LIGHTING CONTROL CABLE (BELDEN #9729DMX) IN EXISTING UNDERGROUND 1/2" CONDUIT FROM HANDHOLE TO LIGHTING CONTROL PANEL. PROVIDE CONNECTIONS INSIDE CONTROL PANEL. PROVIDE WATER-TIGHT DMX CONNECTIONS IN HANDHOLE.
- ⑳ PROVIDE JUNCTION BOX ON TOP OF EXISTING CONCRETE ARCH BASE AND EXTEND/CONNECT CONDUIT TO EXISTING 1/2" CONDUIT INSIDE CONCRETE BASE. THIS CONDUIT WILL BE SHARED WITH AUDIO CABLES. EXTEND DMX CONTROL CIRCUITS THRU HANDHOLE AND EXISTING UNDERGROUND CONDUIT TO THE LIGHTING CONTROL PANEL LOCATED AT BACK OF STAGE.
- ㉑ ROUTE AND CONNECT DMX CONTROL LEADS INCLUDED WITH FIXTURES USING WATER-TIGHT DMX CONNECTORS PROVIDED. MANAGE AND CABLE-TIE SLACK CABLE ALONG CABLE TRAY. EXTEND CONTROL CIRCUIT THRU FIXTURES AS INDICATED. (TYP.)
- ㉒ PROVIDE OUTDOOR DMX TO DMX EXTENSION CABLE OF LENGTH AS REQUIRED TO EXTEND CONTROL CIRCUIT BETWEEN FIXTURES WHERE FACTORY-SUPPLIED FIXTURE CONNECTED CABLES DO NOT REACH. MANAGE AND CABLE-TIE CABLES ALONG THE CABLE-TRAY. (TYP.)
- ㉓ EXISTING UNDERGROUND CONDUIT AND CIRCUITS (2) 1" #10, 1 #10 N & 1 #10 G EACH) FROM PANEL "L4" TO LIGHTING CONTROL PANEL. CIRCUIT NUMBERS INDICATED.
- ㉔ PROVIDE LIGHTING CONTROL PANEL, A THEATRICAL LIGHTING SHOW CONTROLLER BY "ETC" (ELECTRONIC THEATRE CONTROLS) MOUNTED TO THE EXISTING CANOPY SUPPORT'S CONCRETE BASE. PROVIDE A MEANS OF MOUNTING AND ATTACHMENT. BOTTOM OF PANEL SHALL BE 42-INCHES AFF. PANEL SHALL BE ENCASED WITHIN A LOCKABLE, WEATHER-PROOF ENCLOSURE WITH INTEGRAL COOLING AND HUMIDITY CONTROL. (NOTE THAT ALTHOUGH THE PANEL'S LOCATION IS UNDER THE CANOPY, IT IS BASICALLY LOCATED OUTDOORS). THE PANEL INTERNAL ASSEMBLY SHALL BE UL-LISTED AND LABELED AS A COMPLETE ASSEMBLY AND INCLUDE RACK-MOUNTED COMPONENTS COMPRISED OF (1) UNISON MOSAIC 512 CHANNEL SHOW CONTROLLER, (1) MTPC UNISON MOSAIC TESSERA TOUCH-SCREEN PANEL CONTROLLER, (3) MSC-OPTO MOSAIC 4-PORT DMX/RDM OPTO SPLITTERS, (1) 120V INTERNAL POWER SUPPLY, (1) INTERNAL UNINTERRUPTIBLE POWER SUPPLY, AND SOFTWARE FOR A COMPLETE AND OPERATING CONTROL SYSTEM.
- ㉕ PROVIDE 1/2" LIQUID-TITE FLEXIBLE CONDUIT ALONG MIDDLE OF ARCH TRIANGLE FOR FIXTURE POWER AND CONTROL CABLES TO TRANSITION FROM CABLE TRAY TO JUNCTION BOX.

INTEGRATOR/AIMING NOTES:

- ① THE CONTRACTOR SHALL EMPLOY THE SERVICES OF THE APPROVED THEATRICAL CONTROLS SYSTEM INTEGRATOR FOR THE INSTALLATION, CONNECTION, INTEGRATION, PROGRAMMING, START-UP, AND DEMONSTRATION OF THE THEATRICAL LIGHTING CONTROL SYSTEM.
- ② ELECTRICIANS MAY PHYSICALLY MOUNT THE LIGHTING FIXTURES AND CONTROL PANEL, BUT THE INTEGRATOR SHALL UN-BOX AND ASSEMBLE THE INDIVIDUAL COMPONENTS AND ACCESSORIES, AND SUPERVISE ALL FINAL POWER CONNECTIONS, AND MAKE ALL FINAL CONTROLS CONNECTIONS.
- ③ THE INTEGRATOR SHALL PROVIDE THE LIGHTING CONTROL PANEL, WIRING, FIXTURES, SPARE COMPONENTS, AND ACCESSORIES. HE SHALL PREPARE ALL RELATED SHOP DRAWING SUBMITTALS, ACTIVELY SUPERVISE ALL ON-SITE ACTIVITIES ASSOCIATED WITH THE LIGHTING CONTROL SYSTEM, MAINTAIN AS-BUILT DRAWINGS, MAKE ALL FINAL CONTROL CONNECTIONS AT THE EQUIPMENT, COMPLETE ALL PROGRAMMING OF CONTROLS AND FIXTURES, TEST THE SYSTEM, AIM EACH FIXTURE, AND DEMONSTRATE THE 100% COMPLETE AND OPERATING SYSTEM TO THE ENGINEER AND OWNER (DURING A PRE-ARRANGED NIGHT-TIME SESSION).
- ④ THE APPROVED SYSTEM INTEGRATOR FOR THIS SYSTEM IS BOB ROACH, SESCO LIGHTING CONTROLS, 407-629-6100.
- ⑤ THE INTEGRATOR SHALL PROVIDE LICENSED COPIES OF ALL SOFTWARE NECESSARY FOR THE INSTALLATION AND OPERATION OF THE SYSTEM. THE REGISTERED OWNER OF THE SOFTWARE LICENSES SHALL BE BLUEPRINT 2000/CITY OF TALLAHASSEE. THE SOFTWARE SHALL BE 100% STAND-ALONE FUNCTIONAL (NOT DEMONSTRATION OR SAMPLE COPIES) AND SHALL NOT INCUR RE-OCCURRING COSTS FOR RENEWAL OR MAINTENANCE.
- ⑥ THE INTEGRATOR SHALL PROVIDE ONE 4-HOUR TRAINING/DEMONSTRATION SESSION FOR A MAXIMUM OF FOUR PARTICIPANTS ASSIGNED BY THE OWNER FOR MAINTENANCE AND OPERATION OF THE SYSTEM. THE INTEGRATOR SHALL PROVIDE ONE CD-ROM BASED TRAINING VIDEO FOR THE SYSTEM.

NOTE: DURING THE MOUNTING OF LIGHT FIXTURE THIS CONTRACTOR SHALL TREAT THE THREADED STUD WITH LOCTITE THREADLOCKER BLUE #242 APPLYING PER MANUFACTURER'S GUIDELINES.



LINE TYPE LEGEND

---	EXISTING TO BE REMOVED
---	EXISTING TO REMAIN
---	NEW TO BE PROVIDED

STAGE & STRUCTURE LIGHTING
SCALE: 3/16"=1'-0"

SHEET TITLE AMPHITHEATRE ELECTRICAL STAGE AND STRUCTURE LIGHTING		PROJECT NAME CAPITAL CASCADE TRAIL CONSTRUCTION PLANS	
SHEET NUMBER E05.08		PROJECT NUMBER BP20-006	
DATE 10/17/21		DATE 10/17/21	
DESIGNED BY: NH		CHECKED BY: NH	
DRAWN BY: NH		SCALE: 1=1	
PINNACLE ENGINEERING GROUP, P.A. 3000 THONSAWALLE ROAD, SUITE 102 TALLAHASSEE, FLORIDA 32301 (904) 427-7163 PHONE (904) 422-5565 FAX ENGINEERING LICENSE NO. 9703		THE KOGER CENTER 8110 BUILDING, SUITE 109 TALLAHASSEE, FLORIDA 32301 (904) 701-2740 (904) 701-2790 FAX	