

Addendum #1



Capital Project Committee

Project Information

Project Name:	Island Grove Event Center Lighting Upgrade
Bid Number:	RFP #FD20-06-107
Date:	July 10, 2020
Manager:	Dale Blehm / Jimmy Trujillo

Addendum Items

Item 1	<p>Due to the corona-virus, the City is requiring the following for submitting bids and the opening of bids:</p> <p>see attached instructions for submittal of bid responses</p> <p>See below for Bid Opening Instructions</p> <p>Doug Clapp is inviting you to a scheduled Zoom meeting.</p> <p>Join Zoom Meeting</p> <p>https://greeleygov.zoom.us/j/95562391164</p> <p>Meeting ID: 955 6239 1164</p> <p>Password: 011334</p> <p>Dial by your location</p> <ul style="list-style-type: none">+1 253 215 8782 US (Tacoma)+1 346 248 7799 US (Houston)+1 669 900 6833 US (San Jose)
Item 2	<p>Please see revised Bid Tab sheet - Section 00130</p> <p><u>Add Alternates pricing to be added:</u></p> <p>- Add Alternate "Overhead #1" - add to route panel to panel (LBL, HB1, LAL, HA1, HC1) low voltage DMX cable (type D) over-head in lieu of via existing underground conduits. This alternate shall define all associated costs for routing panel to panel DMX control cable overhead if existing underground conduits are found to be unusable.</p>

	- Add Alternate "Overhead #2" - add to route mid house Event Center low voltage DMX and Unison data cable (type D and UV) over-head in lieu of via existing underground 6" conduits. This alternate shall define all associated costs for routing low voltage DMX an Unison data cable over-head if existing underground 6" conduits are found to be unusable.
Item 3	Drawing Clarifications - see attached drawings. - drawings E100 and E700 updated with job walk notes - replace existing E100 an E700 - notes on E100 and E700 supercede notes on entire drawing set - added detailed coordination drawing for owner supplied fixture type SB - drawing SB 01 with clarifications based on walk thru discussions.
Item 4	Confirming that the contractor will have to warranty the project, including the lighting the city purchased for 2 years from project completion date. Electrical Contractor will need to provide 2 year warranty for this project from Final Acceptance date.
Item 5	There is an empty 6inch conduit in building not shown on the drawings. Can this be used for the control cabling and is the cabling rated to be in this conduit? Attached is an up-dated drawing from the Per-Bid meeting on the existing 6" conduit to be used for the control wiring. Electrical Contractor must provide the correct cabling rating for use in conduit.
Item 6	Currently the data and com links are underground between the existing lighting control panels. Will the contractor be using these or will we have to make new runs overhead? Electrical Contractor will use existing underground conduits to existing lighting control panels. If existing conduits are unusable, EC will provide new overhead runs as an alternate.
Item 7	It was mentioned that there are no substitutions allowed on the controls or lighting. Just confirming. No substitutions allowed, bid per drawing controls and lighting specs.
Item 8	RFP states, The City of Greeley has purchased the Sport Beam fixtures (SB) in order to have them before the start of the project. Yes.
Item 9	Did the city of Greeley purchase all required DMX control wire and DMX term box for (SB) fixtures? See Addenda and new drawing SB 01. Low Voltage data wire (all types) is supplied by the installing Electrical Contractor.
Item 10	Are controls available once contract is awarded contractor to meet time frame listed? Unsure what the "ask" is here. The control system is supplied and installed by Electrical Contractor in this scope of work and shall go through the submittal review and approval process before release. Lead time on control system submittal is anticipated to be 1-3 weeks after hold for release order is entered, control system equipment shipment is anticipated to be 2-4 weeks ARO. Submittal review process is anticipated to be 7-10 days.
Item 11	Will Greeley be providing any Unison wire cable required? Low Voltage data wire (all types) is supplied by the installing Electrical Contractor.
Item 12	Confirming that all electrical work is to be performed by licensed electricians and that documentation of this could be asked for. Yes, all work must be performed by a License Electrical Contractor and documentation should be provide with the bid package. This was called out in the Special Provisions Section 00620: Note # 7 and # 11.

Bid Responses will only be accepted electronically during the COVID-19 event.

Instructions for electronic submittal.

Email your Bid Response to purchasing@greeleygov.com. Submit your Bid response to this email only – please do not email to multiple people. Only email's sent to purchasing@greeleygov.com will be considered as responsive to the invitation to bid. Emails sent to other City emails may be considered as non-responsive and may not be reviewed.

Bids shall be submitted in a single Microsoft Word or PDF file under 20MB

The Bid number and Project name **must be noted** in the subject line, otherwise the Bid may be considered as non-responsive to the Bid.

Electronic submittals will be held, un-opened, until the time and date noted in the Bid documents or posted addenda.

IG Eventer Center LED Lighting Up-grade Greeley, Colorado

BID # FD20-06-107

Bid Form - 00130

City Of Greeley

Bid Item	Description	Quantity	Unit	Unit Cost	Total Cost
1	Base Bid - Labor/Installation w/o SB fixtures		Lump sum		

Base Total

TOTAL PROPOSAL **dollars**

Total Proposal (Written Out)

2	Add Alternate - entrance vestibules (North and South)		Lump Sum		
3	Overhead #1 Add Alternate		Lump Sum		
4	Overhead #2 Add Alternate		Lump Sum		

This Lump Sum Bid shall include all costs for materials, labor overhead and profit; insurance costs and incidental costs incurred by the Contractor to satisfactorily complete the work in accordance with the Standard General Conditions of the Construction Contract, Summary of Work, Technical Specifications and Plans.

Company Name: _____

Company address: _____

Submitted By: _____

Title: _____

E-mail: _____

Phone #: _____

- FLAG NOTES - THIS SHEET ONLY
- 1 NEW PANEL REPLACES EXISTING IN SAME PLACE RE-CONNECT FEEDER AND ALL BRANCH CIRCUITS.
 - 2 MAKE 120 VOLT, 20 AMP CIRCUIT CONNECTION TO LCP-MAIN. (2 #10 & #10 GRD) 3/4".
 - 3 REFER TO LOW VOLTAGE LIGHTING CONTROL SYSTEM RISER, SHEET E700, FOR WIRE TYPE, NUMBER OF RUNS, ETC.

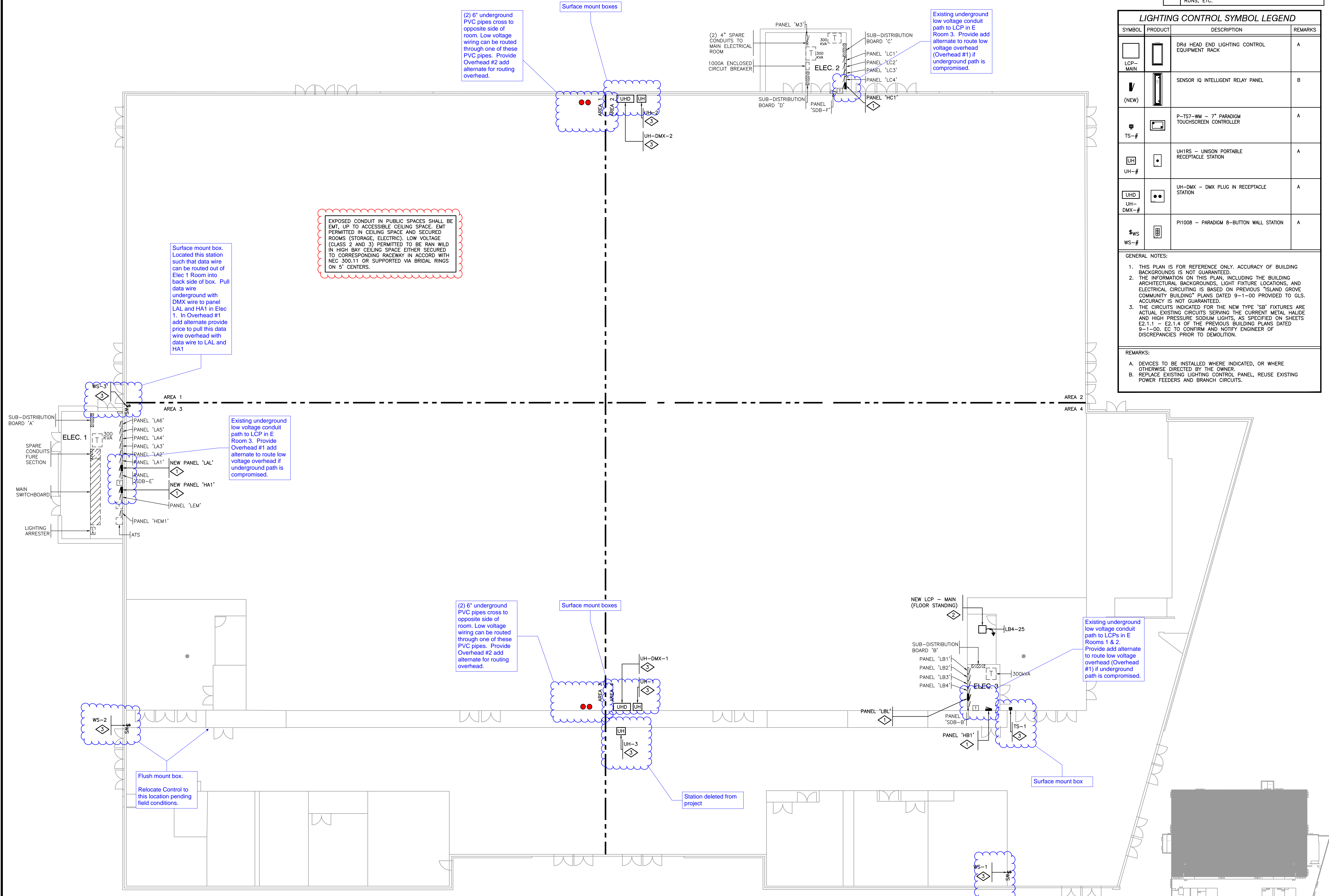
LIGHTING CONTROL SYMBOL LEGEND			
SYMBOL	PRODUCT	DESCRIPTION	REMARKS
		DR4 HEAD END LIGHTING CONTROL EQUIPMENT RACK	A
		SENSOR IQ INTELLIGENT RELAY PANEL	B
		P-TS7-WM - 7" PARADIGM TOUCHSCREEN CONTROLLER	A
		UH1RS - UNISON PORTABLE RECEPTACLE STATION	A
		UH-DMX - DMX PLUG IN RECEPTACLE STATION	A
		P1008 - PARADIGM 8-BUTTON WALL STATION	A

GENERAL NOTES:

- THIS PLAN IS FOR REFERENCE ONLY. ACCURACY OF BUILDING BACKGROUNDS IS NOT GUARANTEED.
- THE INFORMATION ON THIS PLAN, INCLUDING THE BUILDING ARCHITECTURAL BACKGROUNDS, LIGHT FIXTURE LOCATIONS, AND ELECTRICAL CIRCUITING IS BASED ON PREVIOUS "ISLAND GROVE COMMUNITY BUILDING" PLANS DATED 9-1-00 PROVIDED TO GLS. ACCURACY IS NOT GUARANTEED.
- THE CIRCUITS INDICATED FOR THE NEW TYPE "SB" FIXTURES ARE ACTUAL EXISTING CIRCUITS SERVING THE CURRENT METAL HALIDE AND HIGH PRESSURE SODIUM LIGHTS, AS SPECIFIED ON SHEETS E2.1.1 - E2.1.4 OF THE PREVIOUS BUILDING PLANS DATED 9-1-00. EC TO CONFIRM AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO DEMOLITION.

REMARKS:

- DEVICES TO BE INSTALLED WHERE INDICATED, OR WHERE OTHERWISE DIRECTED BY THE OWNER.
- REPLACE EXISTING LIGHTING CONTROL PANEL, REUSE EXISTING POWER FEEDERS AND BRANCH CIRCUITS.



EXPOSED CONDUIT IN PUBLIC SPACES SHALL BE EMT, UP TO ACCESSIBLE CEILING SPACE. EMT PERMITTED IN CEILING SPACE AND SECURED ROOMS (STORAGE, ELECTRIC). LOW VOLTAGE (CLASS 2 AND 3) PERMITTED TO BE RAN WILD IN HIGH BAY CEILING SPACE EITHER SECURED TO CORRESPONDING RACEWAY IN ACCORD WITH NEC 300.11 OR SUPPORTED VIA BRIDAL RINGS ON 5' CENTERS.

Surface mount box. Located this station such that data wire can be routed out of Elec 1 Room into back side of box. Pull data wire underground with DMX wire to panel LAL and HA1 in Elec 1. In Overhead #1 add alternate provide price to pull this data wire overhead with data wire to LAL and HA1

Existing underground low voltage conduit path to LCP in E Room 3. Provide Overhead #1 add alternate to route low voltage overhead if underground path is compromised.

(2) 6" underground PVC pipes cross to opposite side of room. Low voltage wiring can be routed through one of these PVC pipes. Provide Overhead #2 add alternate for routing overhead.

Existing underground low voltage conduit path to LCPs in E Rooms 1 & 2. Provide add alternate to route low voltage overhead (Overhead #1) if underground path is compromised.

Flush mount box. Relocate Control to this location pending field conditions.

OVERALL ELECTRICAL PLAN
Scale: 3/32"=1'-0" NORTH

KEY PLAN

GREELEY IG EVENT
CENTER LIGHTING
GREELEY, COLORADO



JOB: 20020
DATE: 04-30-2020
DRAWN: CAD
CHECKED: TJP

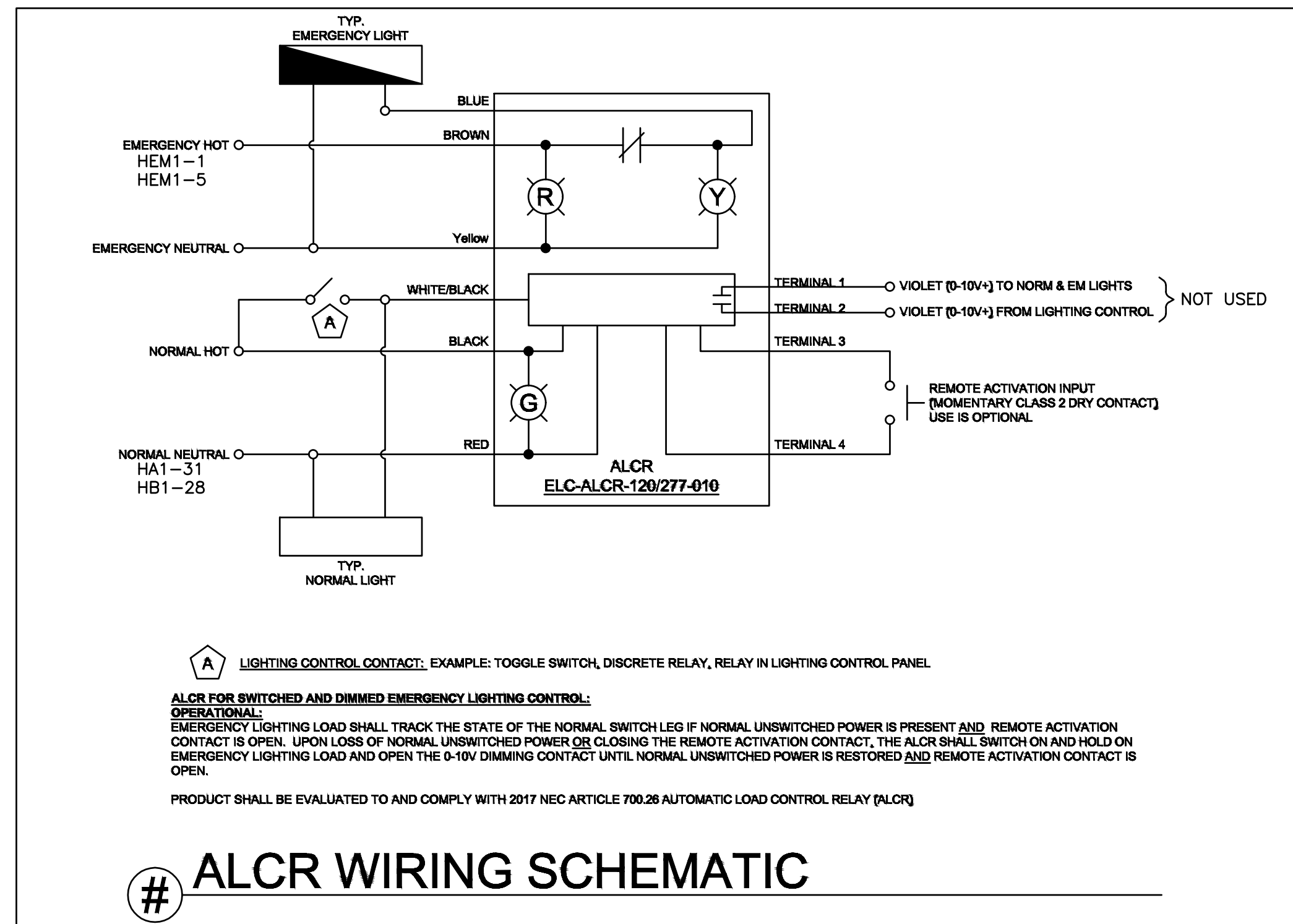
LIGHTING PLAN

E100

PANEL 'LBL'
120/208V, 3PH, 4W
FEED FROM SUB-DISTRIBUTION B,
CKT 9,1,1,13
OCP=150A
A=BLACK, B=RED, C=BLUE
N=WHITE, G=GREEN

TYPICAL PANEL NAME PLATE
N.T.S.

- NOTES
1. PROVIDE NEW PHENOLIC ENGRAVED NAME PLATES FOR ALL NEW EQUIPMENT.
 2. ALL NEW AND EXISTING PANELS SHALL HAVE UPDATED TYPED PANEL DIRECTORY CARDS INSTALLED.



EMERGENCY FIXTURE 'D' Calculation Summary

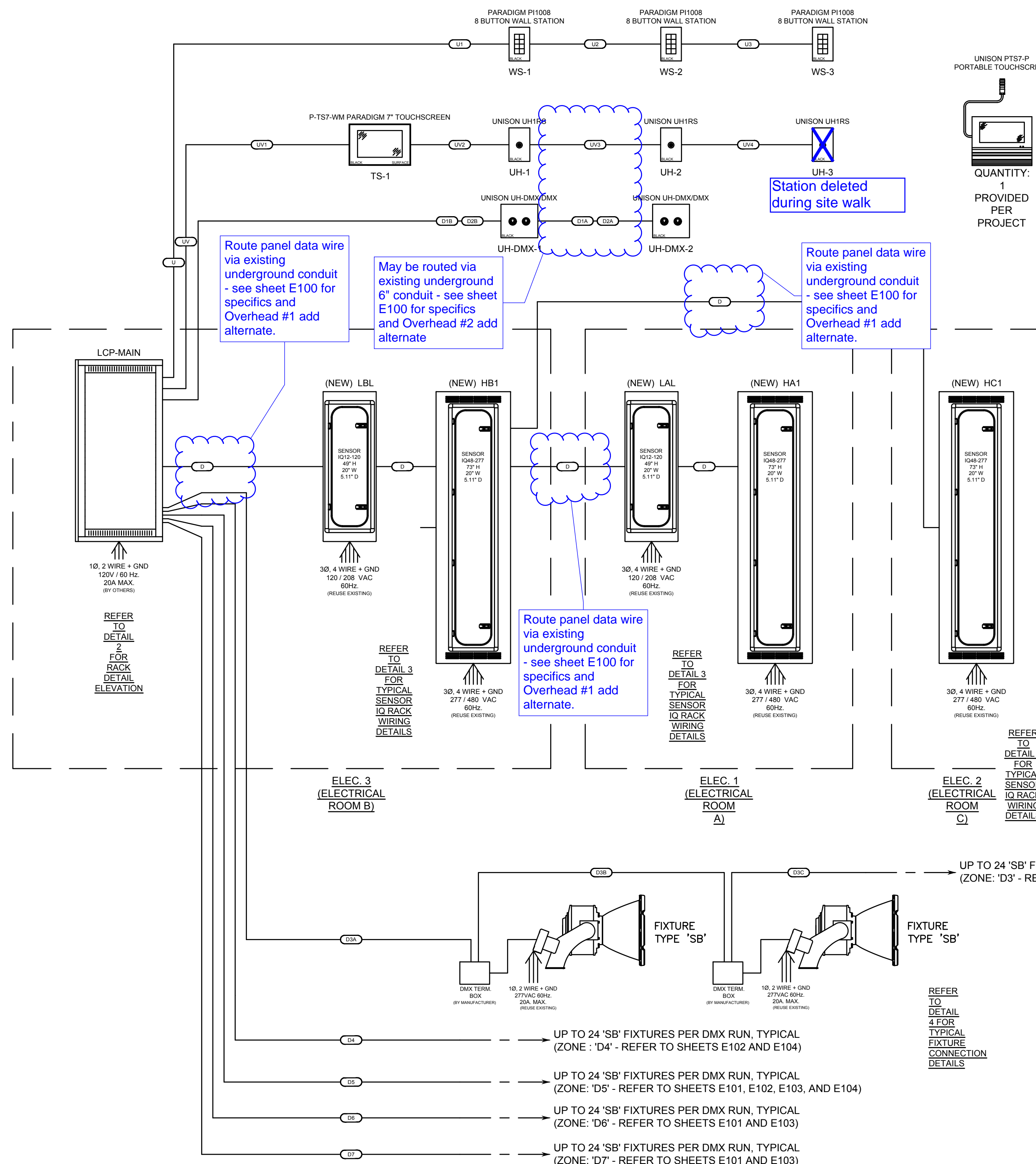
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Event_Hall_Plan_East	Illuminance Fc		2.80	6.8	0.9	3.11	7.56
Event_Hall_Plan_West	Illuminance Fc		2.60	7.5	0.8	3.25	9.38

NORMAL FIXTURE 'D' Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Event_Hall_Plan_East	Illuminance Fc		12.58	23.4	7.2	1.80	3.94
Event_Hall_Plan_West	Illuminance Fc		12.85	28.3	7.1	1.91	3.99

FIXTURE 'SB' Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
AREA 1 - 5700K	Illuminance Fc		85.0	107	56	1.52	1.91
AREA 2 - 5700K	Illuminance Fc		85.4	105	58	1.47	1.81
AREA 3 - 5700K	Illuminance Fc		81.2	94	48	1.69	1.96
AREA 4 - 5700K	Illuminance Fc		80.6	94	45	1.79	2.09
AREA 1 - 4000K	Illuminance Fc		76.5	96	51	1.50	1.88
AREA 2 - 4000K	Illuminance Fc		76.8	94	53	1.45	1.77
AREA 3 - 4000K	Illuminance Fc		73.1	84	43	1.70	1.95
AREA 4 - 4000K	Illuminance Fc		72.6	84	40	1.81	2.10
AREA 1 - Red	Illuminance Fc		5.2	15	1	5.24	15.00
AREA 2 - Red	Illuminance Fc		5.2	11	1	5.19	11.00
AREA 3 - Red	Illuminance Fc		5.3	9	2	2.63	4.50
AREA 4 - Red	Illuminance Fc		5.3	10	2	2.64	5.00
AREA 1 - Green	Illuminance Fc		9.0	26	1	9.04	26.00
AREA 2 - Green	Illuminance Fc		9.0	20	2	4.51	10.00
AREA 3 - Green	Illuminance Fc		9.2	16	3	3.05	5.33
AREA 4 - Green	Illuminance Fc		9.1	17	3	3.04	5.67
AREA 1 - Blue	Illuminance Fc		2.5	7	0	N.A.	N.A.
AREA 2 - Blue	Illuminance Fc		2.6	6	0	N.A.	N.A.
AREA 3 - Blue	Illuminance Fc		2.6	4	1	2.58	4.00
AREA 4 - Blue	Illuminance Fc		2.6	5	1	2.55	5.00
AREA 1 - Amber	Illuminance Fc		20.9	66	1	20.85	66.00
AREA 2 - Amber	Illuminance Fc		20.5	46	1	20.54	46.00
AREA 3 - Amber	Illuminance Fc		21.0	40	2	10.49	20.00
AREA 4 - Amber	Illuminance Fc		20.9	45	1	20.92	45.00



CONTROL WIRING LEGEND

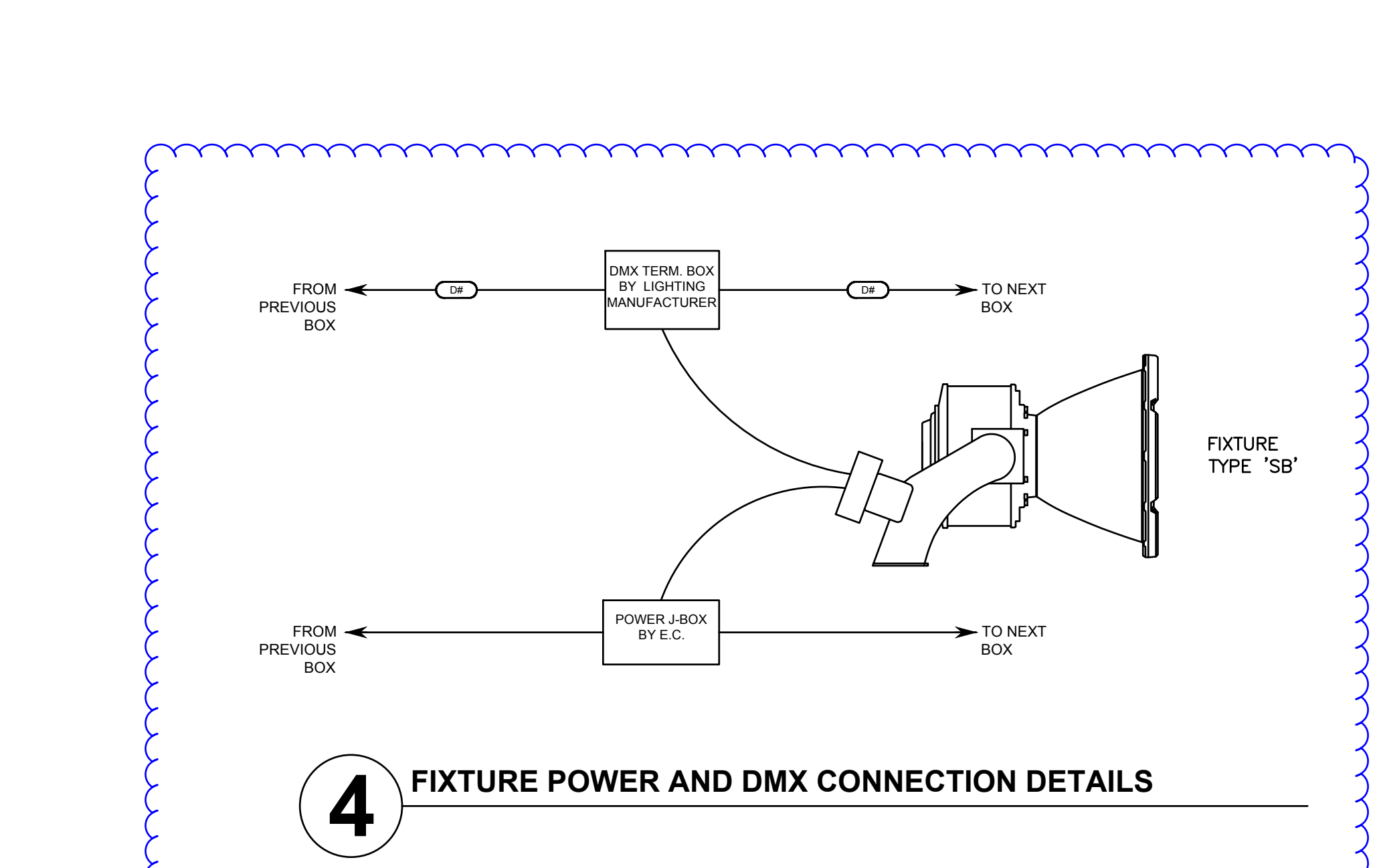
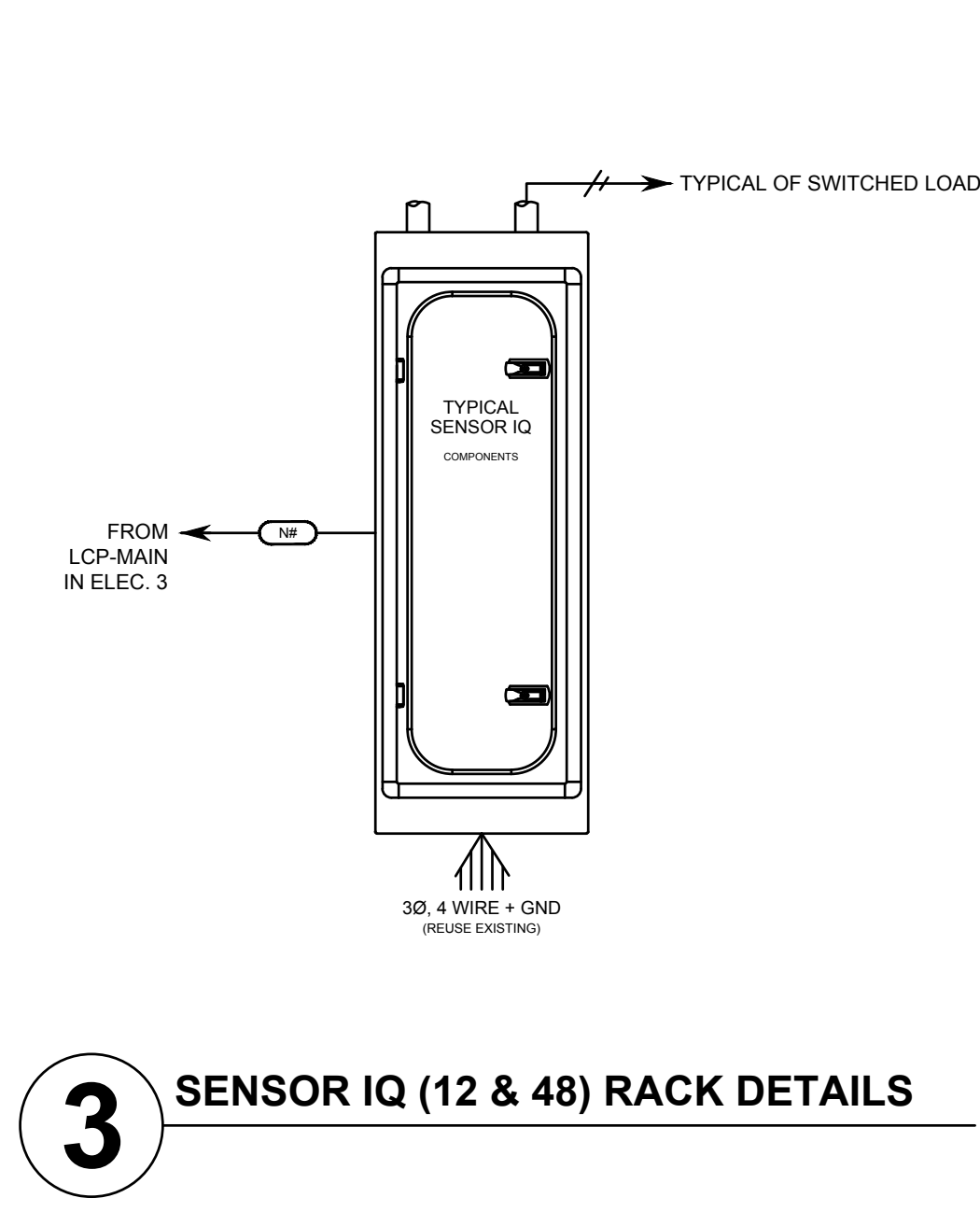
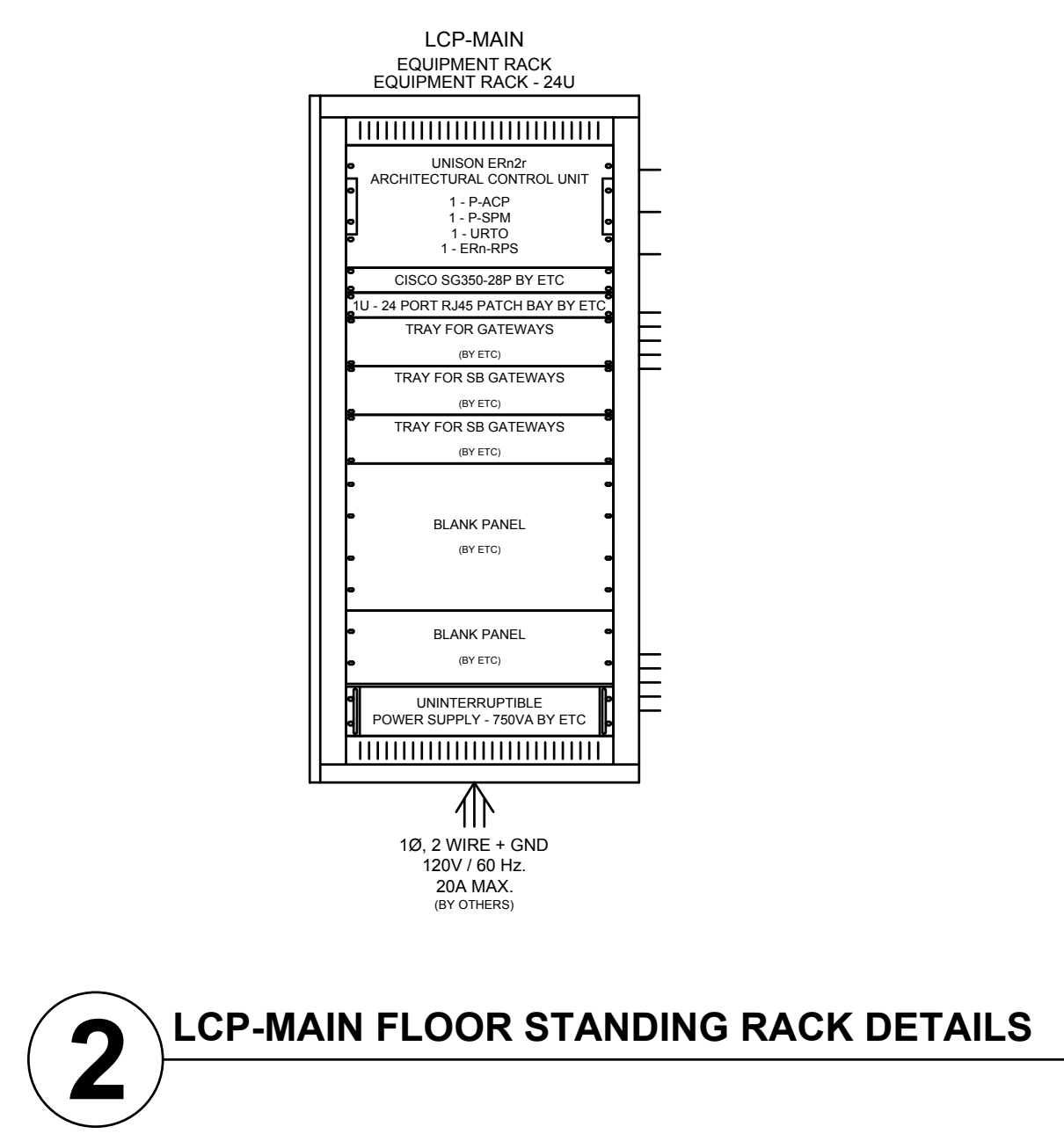
SYMBOL	WIRE TYPE(S)	SIGNAL
D#	(1) BELDEN #89729	DMX
UH	(1) BELDEN #88471 (1) #14 AWG. STRANDED WIRE	UNISON
UV#	(1) BELDEN #88471 (1) #14 AWG. STRANDED WIRE (2) #16 AWG. STRANDED WIRES	UNISON (WITH +24V POWER)

LETTER INDICATES WIRE TYPE, # INDICATES INDIVIDUAL RUN OF WIRE

EC TO PROVIDE MINIMUM 3/4". FOR EACH FEEDER RUN.

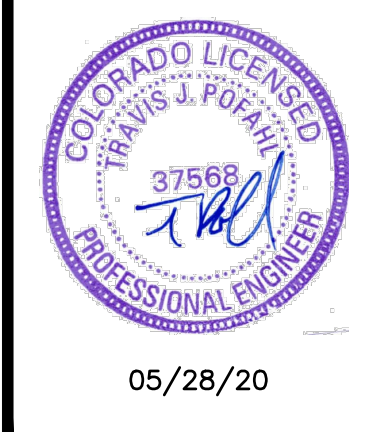
ALL CABLE TO BE PLENUM RATED.

1 LOW VOLTAGE LIGHTING CONTROL SYSTEM RISER



City supplied SB fixtures - fixture will be supplied with 3/4" EMT KO for mounting to existing 3/4" NPT pendants. EC to re-use pendant and existing safety chain for fixture.

See details on drawing for SB Fixture issued in addenda.



GREELEY IG EVENT CENTER LIGHTING
GREELEY, COLORADO



JOB: 20020
DATE: 04-30-2020
DRAWN: CAD
CHECKED: TJP

ELECTRICAL DETAILS

E700



GLS
LIGHTING AND CONTROLS

15485 West 44th Street
Golden, CO 80403
T: (303) 394-0220
F: (303)394-0226

Architect
EE
Consultant
GC
EC
Distributor

Island Grove Event Center

Type SB Detail

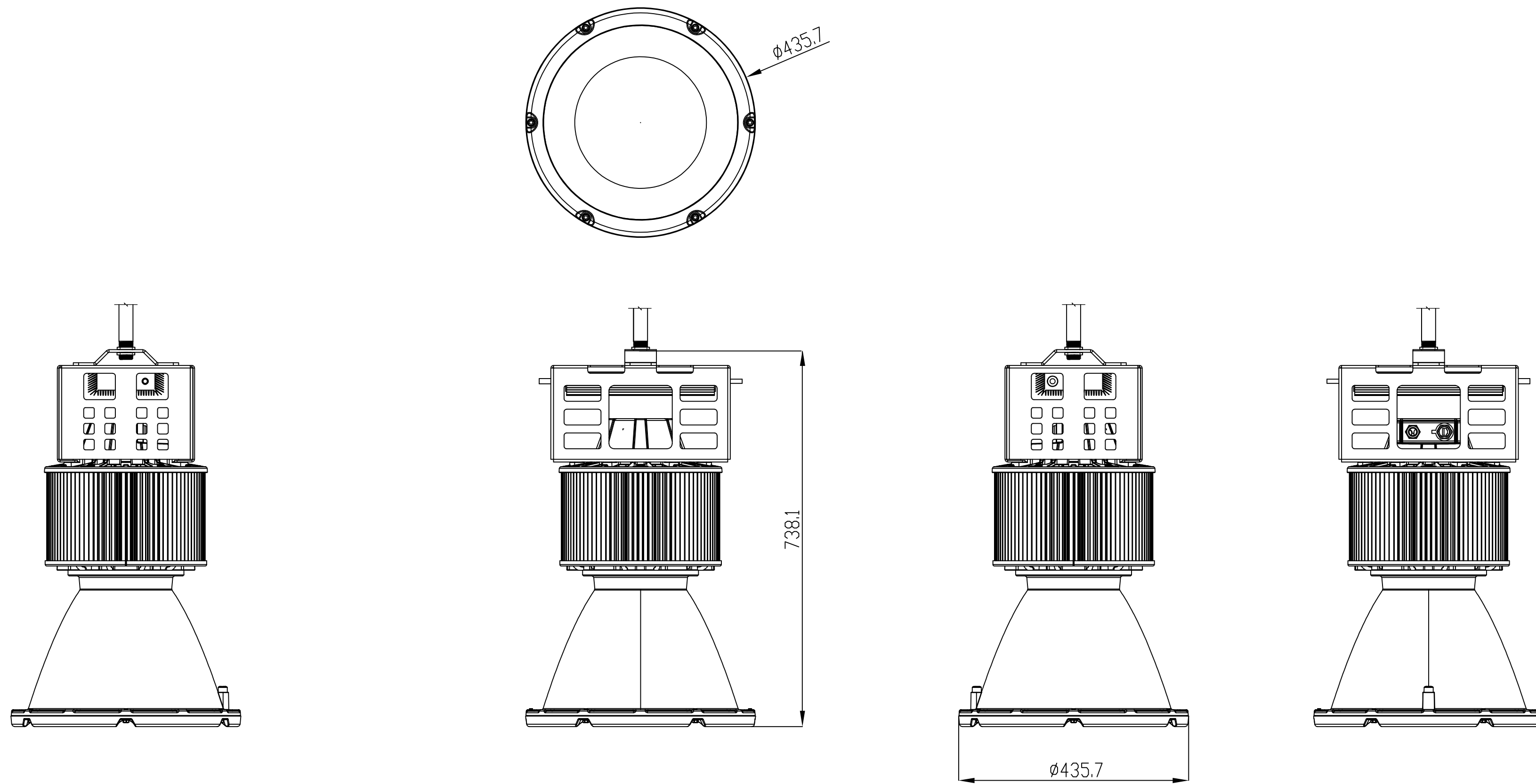
Island Grove Park
Greeley, CO

Sheet Information:
No. Rev/Submission Date
-- (Add 01) 04/08/2020

Sheet Title:
SB Fixture Views
and Details

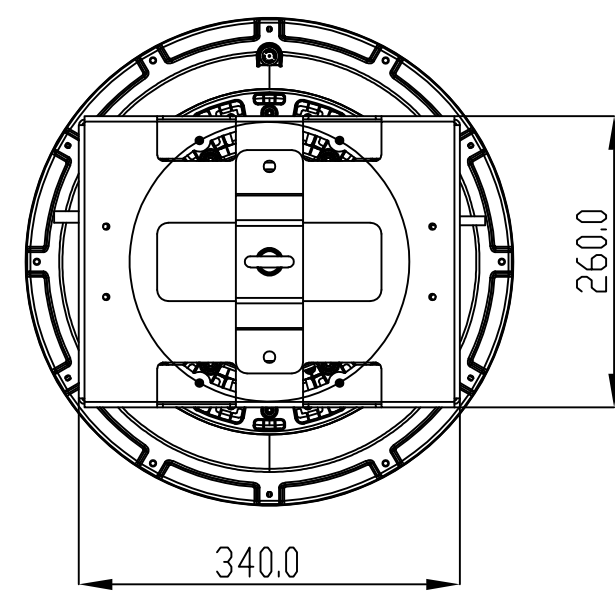
Sheet Number:

SB 01

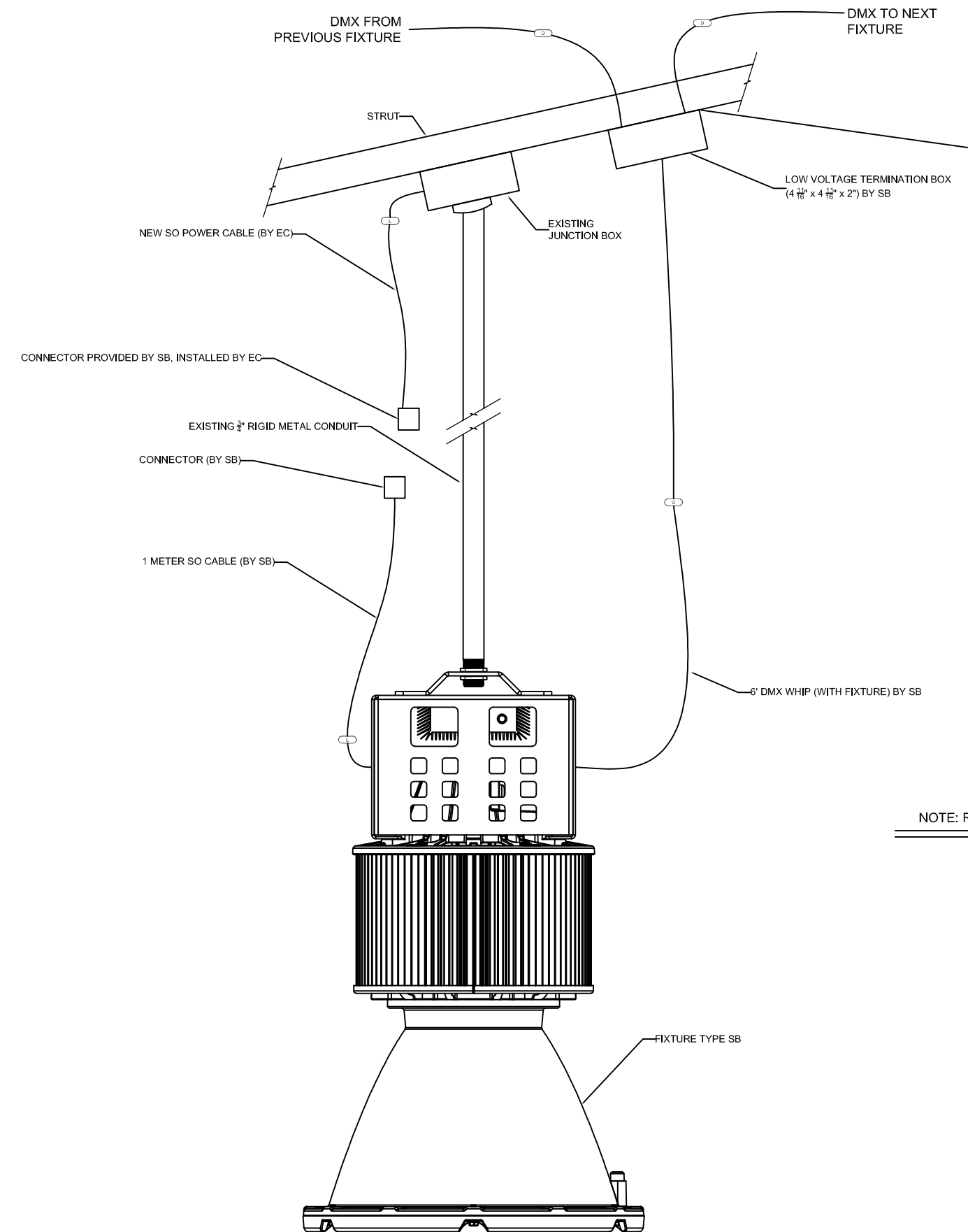


NOTED
MEASUREMENTS
ARE IN MM

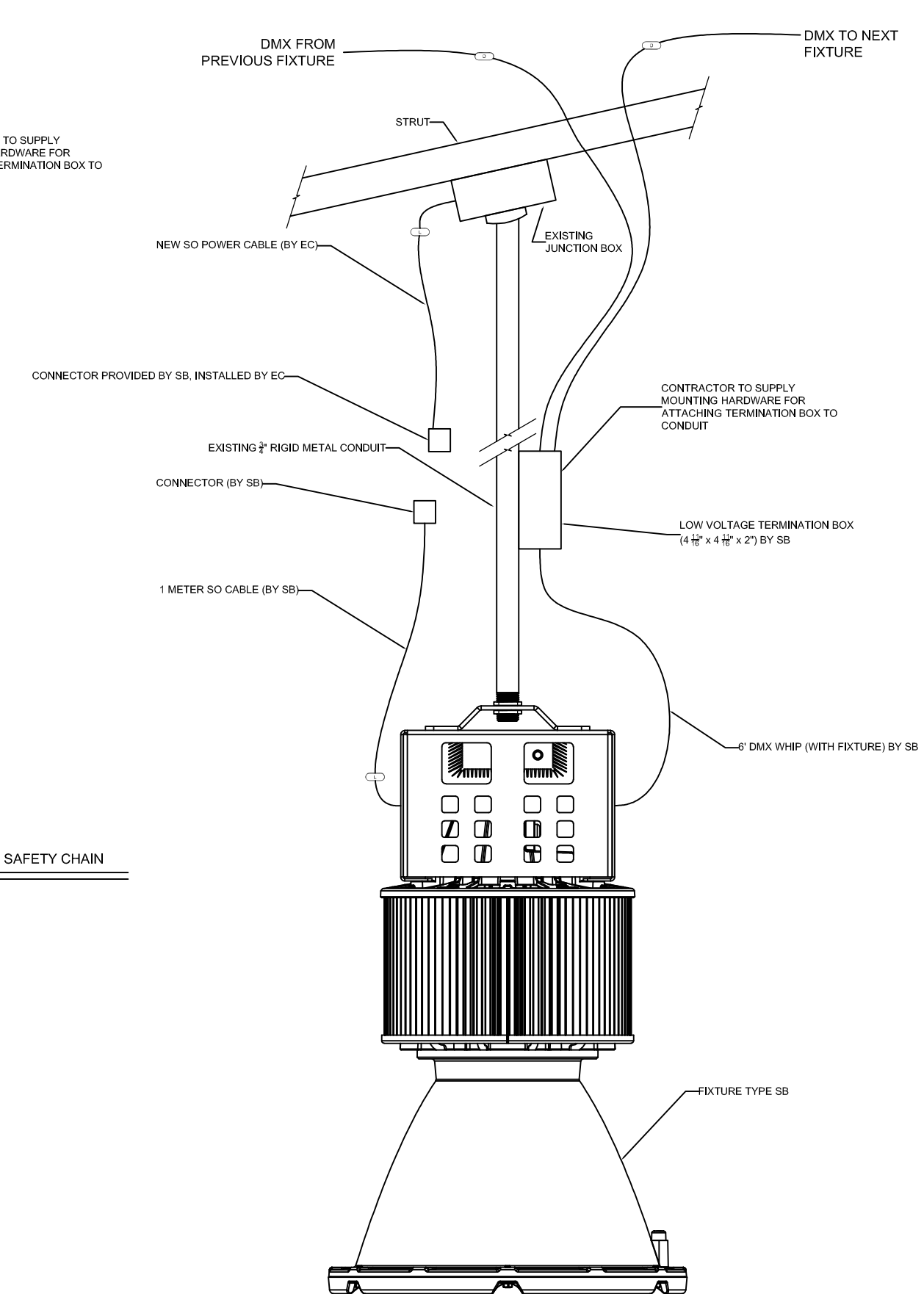
1 TYPICAL SB FIXTURE SECTION VIEWS
SCALE: N.T.S.



NOTED
MEASUREMENTS
ARE IN MM



2 TYPICAL FIXTURES WITH A PENDANT 5' OR SHORTER
SCALE: N.T.S.



3 TYPICAL FIXTURES WITH A PENDANT LONGER THAN 5'
SCALE: N.T.S.

NOTE: RE-USE EXISTING SAFETY CHAIN

ANNOTATION CLARIFICATION	
FULL ANNOTATION	SHORTENED TAG
BY SPORTSBEAMS	BY SB
BY ETC	BY LC
BY GLS	BY LC
BY ELECTRICAL CONTRACTOR	BY EC

CONTROL WIRING LEGEND		
SYMBOL	WIRE TYPE(S)	SIGNAL
(D)	(1) BELDEN #9729	DMX
(L)	BY ELECTRICAL CONTRACTOR	BY EC

LETTER INDICATES WIRE TYPE, # INDICATES INDIVIDUAL RUN OF CABLE