

**CENTRAL PLATTE VALLEY COORDINATION METROPOLITAN DISTRICT**  
**8390 E. CRESCENT PKWY., STE. 300**  
**GREENWOOD VILLAGE, CO 80111**  
**Phone: 303-779-5710 Fax: 303-779-0348**  
[www.cpvcmd.org](http://www.cpvcmd.org)

**NOTICE OF SPECIAL MEETING AND AGENDA**

**DATE:** Tuesday, July 18, 2023

**TIME:** 12:00 p.m.

**LOCATION:** DaVita, Inc.  
 2000 16<sup>th</sup> Street  
 Denver CO, 80202

You can also attend the meetings in any of the following ways:

1. To attend via WebEx Videoconference, use the link below:

<https://village.webex.com/join/michael.geiger>

**ACCESS:**

1. To attend via telephone, dial 1-415-655-0001 and enter the following additional information:

Passcode: 801164611#

<u>Board of Directors</u>	<u>Office</u>	<u>Term Expires</u>
Amy Cara	President	May 2027
Derrick Walker	Secretary/Treasurer	May 2025
Vacant	Assistant Secretary	May 2025
Michael Geiger	Assistant Secretary	May 2025
Jason Dorfman	Assistant Secretary	May 2025

**I. ADMINISTRATIVE MATTERS**

- A. Call to order and approval of agenda.
- B. Present disclosures of potential conflicts of interest.
- C. Confirm quorum, location of meeting and posting of meeting notices.
- D. Public comment.

Members of the public may express their views to the Board on matters that affect the District that are otherwise not on the agenda. Comments will be limited to three (3) minutes per person.

- E. Discuss vacancy on the Board and consider the appointment of District eligible elector to the Board of Directors of the District. (Notice of Vacancy published May 5, 2023). Administer Oath of Office.
- F. Consider appointment of officers.

President: \_\_\_\_\_

Secretary: \_\_\_\_\_

Treasurer: \_\_\_\_\_

Assistant Secretary: \_\_\_\_\_

Assistant Secretary: \_\_\_\_\_

\_\_\_\_\_

**II. CONSENT AGENDA**

- A. Review and consider approval of the minutes of the June 26, 2023 Special Meeting (enclosed).
- B. Accept May 31, 2023 Financial Statements and Cash Position Report (enclosed).
- C. Approve current claims (enclosed).
- D. Accept Weekly Security Report from DDP BID (enclosed).

**III. MANAGER ITEMS**

- A. 17<sup>th</sup> Street Gardens follow up:
  - 1. Updates from Livable Cities Studios:
    - i. Anticipated budget and schedule (enclosed).

- ii. Bidding process, preferred providers and potential contractors.
- iii. Fencing.
- 2. Updates from Stantec.
  - i. Electrical drawings.
  - ii. Review draft Millennium Bridge Due Diligence Report (enclosed).
- 3. Updates from Denver Urban Gardens (DUG).
  - i. Discuss Harvard Graduate School of Design study participation (enclosed).
- B. Review Maintenance Coordination Report – EWUM, Brandon Fries (enclosed).
  - 1. Update on Hello Darling permit process.

**IV. FINANCIAL ITEMS**

- A. Update on Bill.com approvals.
- B. Update on long-term project budget planning.

**V. PROJECT UPDATES**

- A. Update on holiday lighting in Gardens and throughout District and review ESRI map (to be distributed).
- B. Review and consider approval of proposal from CDR Construction, LLC (enclosed).

**VI. DIRECTOR ITEMS**

**VII. ATTORNEY ITEMS**

- A. Update on CliftonLarsonAllen LLP Statements of Work for 2023.

**VIII. OTHER BUSINESS**

**IX. ADJOURNMENT**

**The next regular meeting is scheduled for Tuesday, August 1, 2023 at 9:00 a.m. at DaVita, Inc. (2000 16<sup>th</sup> Street, Denver, CO 80202) and via WebEx.**

## RECORD OF PROCEEDINGS

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MINUTES OF A SPECIAL MEETING OF  
THE BOARD OF DIRECTORS OF THE  
CENTRAL PLATTE VALLEY COORDINATION METROPOLITAN  
DISTRICT (THE “DISTRICT”)  
HELD  
JUNE 26, 2023

A special meeting of the Board of Directors of the Central Platte Valley Coordination Metropolitan District (referred to hereafter as the “Board”) was convened on Monday, June 26, 2023, at 12:00 p.m. via Zoom. The meeting was open to the public.

### ATTENDANCE

#### Directors In Attendance Were:

Derrick Walker, Secretary/Treasurer  
Michael Geiger, Assistant Secretary  
Jason Dorfman, Assistant Secretary

President Amy Cara was absent and excused.

#### Also, In Attendance Were:

Anna Jones and Shauna D’Amato; CliftonLarsonAllen LLP  
Dianne Miller, Esq., Sonja Steele and Rhonda Bilek; Miller & Associates Law Offices, P.C.  
Brandon Fries; East West Urban Management  
Andrew Uram; TK Elevator Corporation  
Todd Wenskoski; Livable Cities Studio  
Nessa Mogharreban; Denver Urban Gardens  
Steph Powell; Stantec  
Vince Martinez; DDBID  
Sabrina Valencia-Chavez; BID

### ADMINISTRATIVE MATTERS

**Call to Order and Agenda:** Director Walker called the District meeting to order at 12:02 p.m. Following review, upon a motion duly made by Director Geiger, seconded by Director Dorfman and, upon vote, unanimously carried, the Board approved the agenda, as presented.

**Disclosures of Potential Conflicts of Interest:** Attorney Miller advised the Board that, pursuant to Colorado law, certain disclosures by the directors may be appropriate prior to taking official action at the meeting and that written disclosures of the interests of all directors were filed with the Secretary of State and the District prior to the meeting. The directors then reviewed the agenda for the meeting and previous written disclosures stating the fact and summary nature of any matters, as required under Colorado law, to permit official action to be taken at the meeting.

## RECORD OF PROCEEDINGS

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Director Walker disclosed his interests as an owner of property located in the District. He also disclosed that he is an owner of Infield, which has an equity interest in the operating company that owns and manages 1801 Wewatta Street, Denver, Colorado, 80202. He also disclosed that he is on the board of the Central Platte Valley Metropolitan District. This disclosure is associated with the approval of items on the agenda that may affect his interests.

Director Geiger disclosed his interests as an owner of property located in the District. He also disclosed he is Vice President of DaVita, Inc. He also disclosed that he is on the board of the Central Platte Valley Metropolitan District. This disclosure is associated with the approval of items on the agenda that may affect his interests.

Director Dorfman disclosed his interests as an owner of property located in the District. He also disclosed he is executive manager for MH Blue Union Station, LLC, SBA Indigo Hotel. This disclosure is associated with the approval of items on the agenda that may affect his interests.

Written disclosures of the interests of all directors were filed with the Secretary of State and the District prior to the meeting.

**Quorum, Location of Meeting, and Posting of Meeting Notice:** It was noted that a quorum was present allowing the Board to act on all matters to come before them at this meeting. The Board confirmed the location of the meeting and the posting of the meeting notice. Director Cara was absent and excused.

**Public Comment:** None.

**Acknowledge Resignation of Lindsay Belluomo:** The Board acknowledged the resignation of Lindsay Belluomo effective as of May 2, 2023.

**Board Vacancy and Appointment of District Eligible Elector to the Board:** This item was deferred to the July meeting.

### CONSENT AGENDA

**Minutes of the May 2, 2023 Special Meeting:**

**April 30, 2023 Financial Statements and Cash Position Report:**

**Current Claims:**

**Weekly Security Report from DDP BID:**

Following review, upon a motion duly made by Director Dorfman, seconded by Director Geiger and, upon vote, unanimously carried, the Board approved and

## RECORD OF PROCEEDINGS

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accepted the Consent Agenda items.

### MANAGER ITEMS

#### **17<sup>th</sup> Street Gardens Follow Up:**

**Denver Urban Gardens (DUG):** Ms. Mogharreban provided an update to the Board, noting that the DUG Marketing team (Feed Media) is putting together a press release and will circulate to the Board and CLA for review this week. She also informed the Board that the next community interest meeting will likely be in August, and she will continue to keep the Board updated.

#### **Livable Cities Studios and Stantec:**

**Anticipated Budget and Schedule:** Mr. Wenskoski provided an update to the Board, noting that plans are almost completed and should be wrapped up by the end of July. He stated this will be brought back to the Board at the August meeting for approval in order to move forward with the bidding process.

Ms. Powell confirmed that once the Board approves Item 2 IV (electrical drawings), Stantec will move forward with the work which should be about a four-week schedule.

**Bidding Process, Preferred Providers and Potential Contractors:** This item was previously discussed.

**Update on Fencing:** This item was previously discussed.

**Electrical Drawings from Stantec:** The Board requested a cost estimate/budget for the overall Gardens Project to be put together for their review. These will be sent to the Board by Ms. Jones. Following discussion, upon a motion duly made by Director Dorfman, seconded by Geiger and, upon vote, unanimously carried, the Board approved the electrical drawings from Stantec, as presented.

**Activation Updates:** Ms. D'Amato provided updates to the Board noting that yoga will be the focus in the garden and music series.

**Maintenance Coordination Report - EWUM:** Mr. Fries provided his report updates to the Board.

### FINANCIAL ITEMS

**EWUM Account Reconciliation:** Ms. Jones provided an update to the Board.

**Bill.com Approvals:** Ms. Jones provided an update to the Board.

## RECORD OF PROCEEDINGS

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### PROJECT UPDATES

**Holiday Lighting in Gardens and Throughout District:** Ms. D'Amato provided an update to the Board, noting that a walk through was conducted and she expects to have the ESRI map for review at the July meeting.

**Proposal for Millennium Bridge Lighting Control System from Connect Solutions Group - \$2,300:** Mr. Fries reviewed the proposal with the Board. Following review, upon a motion duly made by Director Geiger, seconded by Director Dorfman and, upon vote, unanimously carried, the Board approved the Proposal for Millennium Bridge Lighting Control System from Connect Solutions Group in the amount of \$2,300, as presented.

### DIRECTOR ITEMS

None.

### ATTORNEY ITEMS

**Update on CliftonLarsonAllen LLP Statements of Work for 2023:** Attorney Miller and Ms. Jones provided respective updates to the Board, and plan to have additional updates at the July meeting.

**Hello Darling Permit Process:** Mr. Fries stated he will reach out for an update from Hello Darling regarding the status of the permit, and then provide the Board with an update.

### OTHER BUSINESS

None.

### ADJOURNMENT

There being no further business to come before the Board at this time, upon a motion duly made by Director Geiger, seconded by Director Dorfman and, upon vote, unanimously carried, the Board confirmed the July meeting at Da Vita, Inc. and adjourned the meeting at 12:41 p.m.

Respectfully submitted,

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Secretary for the Meeting

**CPV COORDINATION METROPOLITAN DISTRICT**

**FINANCIAL STATEMENTS**

**MAY 31, 2023**



**Central Platte Valley Coord Metro Dist  
Balance Sheet - Governmental Funds  
May 31, 2023**

	<u>General</u>	<u>Total</u>
Assets		
Checking Account	\$ 56,727.40	\$ 56,727.40
Due from Other Districts	319,550.00	319,550.00
Accounts Receivable	10,197.60	10,197.60
Total Assets	<u>\$ 386,475.00</u>	<u>\$ 386,475.00</u>
Liabilities		
Accounts Payable	\$ 327,081.00	\$ 327,081.00
Event Deposits	1,500.00	1,500.00
Total Liabilities	<u>328,581.00</u>	<u>328,581.00</u>
Fund Balances	<u>57,894.00</u>	<u>57,894.00</u>
Liabilities and Fund Balances	<u>\$ 386,475.00</u>	<u>\$ 386,475.00</u>

No assurance is provided on these financial statements. Substantially all required disclosures, the government-wide financial statements, and the statement of revenues, expenditures and changes in fund balances – governmental funds have been omitted.

**Central Platte Valley Coord Metro Dist**  
**General Fund Statement of Revenues, Expenditures and Changes in**  
**Fund Balances - Budget and Actual**  
**For the Period Ending May 31, 2023**

	<u>Annual Budget</u>	<u>Actual</u>	<u>Variance</u>
Revenues			
Other revenue	\$ -	\$ 115.52	\$ (115.52)
Transfers from other districts	3,180,000.00	840,000.00	2,340,000.00
Transfers from other districts - Capital	350,000.00	-	350,000.00
Total Revenue	<u>3,530,000.00</u>	<u>840,115.52</u>	<u>2,689,884.48</u>
Expenditures			
General government			
Accounting	65,000.00	32,453.22	32,546.78
Auditing	4,000.00	-	4,000.00
Contingency	9,542.00	-	9,542.00
Directors' fees	6,000.00	1,900.00	4,100.00
District management	95,000.00	51,974.62	43,025.38
Dues and membership	4,500.00	1,237.50	3,262.50
Election	2,500.00	1,448.50	1,051.50
Engineering	10,000.00	31,200.00	(21,200.00)
Insurance	7,500.00	6,719.00	781.00
Legal	46,000.00	23,229.00	22,771.00
Miscellaneous	3,000.00	1,320.61	1,679.39
Onsite Management	80,000.00	28,305.25	51,694.75
Payroll taxes	458.00	38.25	419.75
Website	1,500.00	-	1,500.00
Operations and maintenance			
Landscaping and other maintenance	700,000.00	142,465.47	557,534.53
17th Street Gardens	380,000.00	49,702.01	330,297.99
Security	665,000.00	280,295.57	384,704.43
Millennium Bridge maintenance	860,000.00	66,557.79	793,442.21
Union Gateway Bridge maintenance	195,000.00	92,313.67	102,686.33
Capital			
Art Funds	350,000.00	-	350,000.00
Total Expenditures	<u>3,485,000.00</u>	<u>811,160.46</u>	<u>2,673,839.54</u>
Net Change in Fund Balances	5,000.00	28,549.15	(23,549.15)
Fund Balance - Beginning	14,811.00	29,344.85	(606.85)
Fund Balance - Ending	<u>\$ 19,811.00</u>	<u>\$ 57,894.00</u>	<u>\$ (24,156.00)</u>

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## **SUPPLEMENTARY INFORMATION**

**CENTRAL PLATTE VALLEY COORDINATION METROPOLITAN DISTRICT  
2023 BUDGET  
SUMMARY OF SIGNIFICANT ASSUMPTIONS**

**Services Provided**

The District, a quasi-municipal corporation and a political subdivision of the State of Colorado, was organized by order and decree of the District Court for the County of Denver on February 19, 2013 and is governed pursuant to provisions of the Colorado Special District Act (Title 32, Article 1, Colorado Revised Statutes). The District's service area is located in the City and County of Denver (City). The District operates under a Service Plan approved by the City Council on November 26, 2012.

The District was organized to implement a multi-district structure to more effectively accommodate both residential and commercial development within and without the District's physical boundaries.

On February 5, 2013, the District's voters authorized the District to collect, retain, and spend the full amount of all taxes, tax increment revenues, tap fees, park fees, facility fees, service charges, inspection charges, administrative charges, grants or any other fee, rate, toll, penalty, or charges authorized by law or contract to be imposed, collected or received by the District during 2013 and each fiscal year thereafter, such amounts to constitute a voter-approved revenue change and be collected, retained and spent by the District without regard to any spending, revenue-raising, or other limitation.

The District has no power to issue any debt and no authority to impose a mill levy upon any property within or without its boundaries. Rather, the primary source of revenue available to the District is based upon its ability to enter into inter-governmental agreements with other governmental entities (IGAs). The basic nature of these IGAs would be for a governmental entity with taxing or other revenue-generating authority, such as the Central Platte Valley Metropolitan District (CPV MD) to transfer revenues to the District, which would then use the funds to provide for the operation and maintenance of all of the improvements and the provision of public services not otherwise dedicated to third party entities.

In accordance with its Service Plan, the District is entirely responsible for coordinating the operation and maintenance of all public services and improvements throughout the development. It is anticipated that all capital improvements will be owned and maintained by CPV MD or dedicated to the City or to such other governmental entity as appropriate.

The District has no employees, and all administrative functions are contracted.

The District prepares its budget on the modified accrual basis of accounting in accordance with the requirements of Colorado Revised Statutes C.R.S. 29-1-105 using its best estimates as of the date of the budget hearing. These estimates are based on expected conditions and its expected course of actions. The assumptions disclosed herein are those that the District believes are significant to the budget. There will usually be differences between the budget and actual results, because events and circumstances frequently do not occur as expected, and those differences may be material.

**CENTRAL PLATTE VALLEY COORDINATION METROPOLITAN DISTRICT  
2023 BUDGET  
SUMMARY OF SIGNIFICANT ASSUMPTIONS**

**Revenues**

**Intergovernmental Revenue**

On October 8, 2013, the District entered into an intergovernmental agreement (IGA) with Central Platte Valley Metropolitan District (CPV MD). Per this Agreement, payments from CPV MD represent transfers from CPV MD to the District to provide funding for the overall administrative and operating costs for both Districts, as well as to pay administrative capital costs.

During 2023, it is anticipated that the District will receive \$3,530,000 from CPV MD - \$3,180,000 will be used for general government, operations and maintenance expenditures, and \$350,000 will be used for administrative capital costs.

**Expenditures**

**Administrative and Operational Expenditures**

Administrative expenditures include the services necessary to maintain the District's administrative viability such as accounting and audit, engineering, insurance, legal, management, and meeting expenses. Operational expenditures in 2023 include the security and maintenance of areas within the District and the excluded area, including the 17<sup>th</sup> Street Gardens, Union Gateway Bridge and the Millennium Bridge, fountain, and elevators. These expenditures are based on estimates of the District's Board of Directors and consultants.

**Capital Expenditures**

The 2023 anticipated capital expenditures include amounts for art funds within CPV MD as detailed on page 2 of the budget.

**Debt and Leases**

The District has no outstanding debt nor any capital or operating leases.

**Reserves**

**Emergency Reserve**

TABOR requires local governments to establish Emergency Reserves. These reserves must be at least 3% of fiscal year spending. Since all funds received by the District are transferred from CPV MD, an emergency reserve is not reflected in the District's 2023 Budget. Therefore, the Emergency Reserve related to the District's revenue is reported in CPV MD.

**CENTRAL PLATTE VALLEY COORDINATION METROPOLITAN DISTRICT**  
**Schedule of Cash Deposits & Investments**  
**May 31, 2023**  
Updated as of July 7, 2023

	<b>General Fund</b>
<b><u>Wells Fargo Bank - Checking Account</u></b>	
Balance as of 05/31/23	\$ 56,727.40
Subsequent activities:	
06/15/23 Transfer from CPVMD	210,000.00
06/05/23 Xcel ACH	(4,271.99)
06/06/23 Denver Water ACH	(776.76)
06/06/23 Century Link ACH	(331.07)
06/20/23 Bill.com Payables	(204,752.74)
Anticipated transfer from CPVCMD	204,000.00
Anticipated vouchers payable	(203,617.52)
<i>Anticipated Balance</i>	\$ 56,977.32

No assurance is provided on these financial statements. Substantially all required disclosures, the government-wide financial statements, and the statement of revenues, expenditures and changes in fund balances - governmental funds have been omitted.

Central Platte Coordination Metropolitan District  
 Schedule of July Payables as of July 7, 2023  
 Paid July 18, 2023

Vendor	Invoice #	Date	Aging	Approval Status	Payment Status	Open Balance	
Century Link	303-436-9655 792	May23	5/25/2023	43 Approving	Unpaid	\$ 240.12	
Century Link	303-629-9660 658	Jun23	6/4/2023	33 Approving	Unpaid	90.95	\$ 331.07
City and County of Denver	SD FEE 23-028		6/1/2023	36 Approving	Unpaid	3,000.00	3,000.00
CliftonLarsonAllen LLP	3759645		5/31/2023	37 Approving	Unpaid	7,903.29	
CliftonLarsonAllen LLP	3763280		5/31/2023	37 Approving	Unpaid	15,957.12	23,860.41
Denver Commercial Property Services	INV12382492		5/31/2023	37 Approving	Unpaid	6,436.00	6,436.00
DENVER WATER	8489380088	Jun23	6/14/2023	23 Approving	Unpaid	17.90	
DENVER WATER	0592267648	Jun23	6/14/2023	23 Approving	Unpaid	30.14	
DENVER WATER	4987054226	Jun23	6/14/2023	23 Approving	Unpaid	60.74	
DENVER WATER	8291430350	Jun23	6/14/2023	23 Approving	Unpaid	17.90	
DENVER WATER	3804050000	Jun23	6/14/2023	23 Approving	Unpaid	127.00	
DENVER WATER	4661150000		6/14/2023	23 Approving	Unpaid	140.30	393.98
Diversified Underground, Inc.	27712		5/31/2023	37 Approving	Unpaid	260.00	260.00
Downtown Denver BID	SEC-36979-23		5/25/2023	43 Approving	Unpaid	10,058.23	
Downtown Denver BID	SEC-34158-22		5/31/2023	37 Approving	Unpaid	9,584.52	19,642.75
East West Urban Management	05/23 Mgmt		5/31/2023	37 Approving	Unpaid	5,661.05	
East West Urban Management	05/23 MB		5/31/2023	37 Approving	Unpaid	5,466.78	
East West Urban Management	05/31 UG		5/31/2023	37 Approving	Unpaid	5,118.26	
East West Urban Management	REIM 05/23		5/31/2023	37 Approving	Unpaid	14.90	16,260.99
FASTSIGNS	221-103384		5/9/2023	59 Approving	Unpaid	225.13	
FASTSIGNS	221-103622		5/31/2023	37 Approving	Unpaid	180.78	405.91
Genesis Landscape & Irrigation	182		6/11/2023	26 Approving	Unpaid	30,000.00	30,000.00
JT Specialty Services	21899		6/5/2023	32 Approving	Unpaid	845.00	845.00
Komac	230614		6/15/2023	22 Approving	Unpaid	18,408.00	18,408.00
Livable Cities Studio, Inc	1942		5/31/2023	37 Approving	Unpaid	12,797.50	12,797.50
Megan Burt	1675		6/7/2023	30 Approving	Unpaid	2,250.00	2,250.00
Miller and Associates Law Offices	679		5/31/2023	37 Approving	Unpaid	5,454.50	5,454.50
Orkin Denver Commercial	239983332		2/6/2023	151 Approving	Unpaid	150.00	
Orkin Denver Commercial	241504656		3/3/2023	126 Approving	Unpaid	167.99	
Orkin Denver Commercial	242676232		4/7/2023	91 Approving	Unpaid	167.99	
Orkin Denver Commercial	243883960		5/4/2023	64 Approving	Unpaid	167.99	
Orkin Denver Commercial	243884280		5/4/2023	64 Approving	Unpaid	88.99	
Orkin Denver Commercial	245356257		6/6/2023	31 Approving	Unpaid	88.99	
Orkin Denver Commercial	249949930		6/12/2023	25 Approving	Unpaid	167.99	999.94
Promenade Loft Association	08/23/22-10/31/22		5/31/2023	36 Approving	Unpaid	744.74	744.74
Reflection Windows & Doors LLC	91787		6/9/2023	28 Approving	Unpaid	500.00	
Reflection Windows & Doors LLC	91791		6/9/2023	28 Approving	Unpaid	500.00	1,000.00
Riverfront Park Association	Allstream 19507555		5/11/2023	57 Approving	Unpaid	124.64	
Riverfront Park Association	SEC 05/01/23-05/14/23		5/17/2023	51 Approving	Unpaid	12,750.00	
Riverfront Park Association	9933385668 Verizon		5/25/2023	43 Approving	Unpaid	32.72	
Riverfront Park Association	SEC 05/15/23-05/28/23		5/31/2023	37 Approving	Unpaid	11,850.00	
Riverfront Park Association	9935761102 Verizon		6/1/2023	36 Approving	Unpaid	32.72	
Riverfront Park Association	SEC 05/29/23-06/11/23		6/12/2023	25 Approving	Unpaid	10,725.00	
Riverfront Park Association	993653625 ADT		6/12/2023	25 Approving	Unpaid	118.36	
Riverfront Park Association	Allstream 19594687		6/21/2023	16 Approving	Unpaid	129.24	35,762.68
Stantec Architecture Inc.	2092687		6/15/2023	22 Approving	Unpaid	8,037.50	8,037.50
Stealth Monitoring Inc	IN337239		6/5/2023	32 Approving	Unpaid	5,580.00	5,580.00
TK Elevator Corporation	6000649312		5/9/2023	59 Approving	Unpaid	5,045.60	
TK Elevator Corporation	3007276066		6/1/2023	36 Approving	Unpaid	870.00	
TK Elevator Corporation	3007274726		6/1/2023	36 Approving	Unpaid	900.88	
TK Elevator Corporation	3007276086		6/1/2023	36 Approving	Unpaid	870.00	7,686.48
Utility Notification Center of Colorado	223050365		5/31/2023	37 Approving	Unpaid	11.61	11.61
Xcel Energy	53-2026712-7J	May23	6/1/2023	36 Approving	Unpaid	780.94	
Xcel Energy	53-0010034496-2	Jun23	6/13/2023	24 Approving	Unpaid	231.20	
Xcel Energy	53-9105366-2	Jun23	6/13/2023	24 Approving	Unpaid	1,072.26	
Xcel Energy	53-2026711-6	Jun23	6/14/2023	23 Approving	Unpaid	1,364.06	3,448.46
					Grand Total	<u>\$ 203,617.52</u>	<u>\$ 203,617.52</u>

No assurance is provided on these financial statements. Substantially all required disclosures, the government-wide financial statements, and the statement of revenues, expenditures and changes in fund balances - governmental funds have been omitted.

Central Platte Valley Coordination Metropolitan District - General Fund								
Schedule of Maintenance Costs								
				2022	2023	5/31/23	2023	16
				Actual	Budget	Actual	Estimated	Budget
								Variance
Acct No.	Account Name:	Vendor/Description	Notes					
107606		Denver Police - Off Duty		291,282	350,000	123,028	350,000	-
		DDPBID Security		219,022	250,000	127,547	250,000	-
		Stealth Monitoring		59,341	65,000	29,720	65,000	-
		Additional Security		-	-	-	-	-
				<b>569,645</b>	<b>665,000</b>	<b>280,295</b>	<b>665,000</b>	<b>-</b>
	<b>Landscaping and Other Maintenance</b>							
107585	Landscaping and repairs	DCPS/Genesis	Annual contract	87,907	85,000	10,775	85,000	-
107584		Landscaping - Tree maintenance	DDBID	-	40,000	-	40,000	-
107584		Landscaping - Tree replacement		51,713	100,000	35,000	100,000	-
107586		Other - Irrigation and other repairs		7,045	10,000		10,000	-
107587	Lighting	Xcel	Pedestrian lights	11,410	12,000	7,571	12,000	-
107588	General maintenance/cleanup	DDPBID	Base contract	277,317	250,000	41,932	250,000	-
		Other	Encore	-	25,000	-	25,000	-
107593		Snow removal	DDBID	7,181	40,000	-	40,000	-
107589	Irrigation	Denver Water		6,838	6,000	890	6,000	-
107590	Fossil filters	Komac	Base contract - 55% to District	18,526	25,000	6,798	25,000	-
		Komac	Replacement	-	20,000	-	20,000	-
107592	Storm drainage	Annual storm drainage	2 locations	2,772	2,000	1,499	2,000	-
107591	Other	Gallegos/MGT/Encore	Granite repairs/electrical	16,694	50,000	38,000	50,000	-
		Seasonal Lighting		-	30,000	-	30,000	-
		Contingency		-	5,000	-	5,000	-
				<b>487,403</b>	<b>700,000</b>	<b>142,465</b>	<b>700,000</b>	<b>-</b>
	<b>17th Street Gardens</b>							
107810	Landscaping	Landscape design/renovations	Includes temporary fencing	17,978	100,000	37,744	100,000	-
		Western Proscape - annual contract		5,066	25,000	-	25,000	-
107812	Repairs and maintenance	DDBID		72,464	70,000	10,696	70,000	-
		Other repairs and maintenance	Orkin	38,006	45,000	1,231	45,000	-
		Seasonal lighting		12,968	12,000	-	12,000	-
107820		Activation		59,209	50,000	-	50,000	-
107815		Other	Musicians	61,081	75,000	-	75,000	-
107811	Irrigation	Denver Water	35% of 1678 Chestnut Place	2,090	3,000	31	3,000	-
				<b>268,862</b>	<b>380,000</b>	<b>49,702</b>	<b>380,000</b>	<b>-</b>



**Central Platte Valley Coordination Metropolitan District - General Fund**  
**Schedule of Maintenance Costs**

				<b>2022</b>	<b>2023</b>	<b>5/31/23</b>	<b>2023</b>	<b>Budget</b>
				<u>Actual</u>	<u>Budget</u>	<u>Actual</u>	<u>Estimated</u>	<u>Variance</u>
<u>Acct No.</u>	<u>Account Name:</u>	<u>Vendor/Description</u>	<u>Notes</u>					
	<b>Millennium Bridge/Mall/Fountain</b>							
107601	General Maintenance/Cleanup	EWUM/RPA		48,136	65,000	17,178	65,000	-
		DDPBID - Bridge maintenance		57,084	55,000	8,626	55,000	-
		Other		-	1,000	-	1,000	-
107602	Elevator	ThyssenKrupp	Maintenance contract	10,455	12,000	4,505	12,000	-
		ThyssenKrupp	Other repairs	22,367	25,000	20,287	25,000	-
		Other repairs	Gallegos/RPA	5,748	2,500	-	2,500	-
		JT Specialty Services	Graffiti	4,275	5,000	1,010	5,000	-
		Long Mechanical		10,419	5,000	1,968	5,000	-
		Reflection Windows	Housing glass cleaning	6,500	15,000	2,000	15,000	-
		Fire Alarm system		1,080	6,000	-	6,000	-
		Integra phone charges		-	1,000	540	1,000	-
		Elevator permits/inspections		-	1,500	-	1,500	-
107603	Lighting	Xcel	16th Street A&B - Power to bridge	15,565	16,000	5,672	16,000	-
107604	Irrigation	16th Street Fountain		4,593	2,000	556	2,000	-
		Promenade Lofts/Western Proscapes		2,472	1,500	745	1,500	-
107605	Snow removal	DDPBID		3,667	15,000	-	15,000	-
107609	Other	68 West - Bridge maintenance		41,831	40,000	-	40,000	-
		Landscaping		7,808	10,000	-	10,000	-
		Encore Electric/Mathias/Connect		17,422	10,000	-	10,000	-
		Fountain repair/deck repairs		857	5,000	-	5,000	-
		Gallegos		1,100	5,000	3,122	5,000	-
		Millennium Bridge inspection		-	55,000	-	55,000	-
		Wood refinishing	Railing and benches	-	-	-	-	-
		Bridge painting		-	500,000	-	500,000	-
		Contingency		-	6,500	-	6,500	-
				<b>261,379</b>	<b>860,000</b>	<b>66,209</b>	<b>860,000</b>	<b>-</b>

**Central Platte Valley Coordination Metropolitan District - General Fund**  
**Schedule of Maintenance Costs**

				<b>2022</b>	<b>2023</b>	<b>5/31/23</b>	<b>2023</b>	<b>Budget</b>
				<u>Actual</u>	<u>Budget</u>	<u>Actual</u>	<u>Estimated</u>	<u>Variance</u>
<u>Acct No.</u>	<u>Account Name:</u>	<u>Vendor/Description</u>	<u>Notes</u>					
	<b>Union Gateway Bridge</b>							
107701	General Maintenance/Cleanup	EWUM		43,618	45,000	18,181	45,000	-
		DDPBID - Bridge maintenance		38,519	40,000	8,280	40,000	-
		Other		-	3,000	-	3,000	-
107702	Elevator	Century Link		3,833	4,000	1,663	4,000	-
		ThyssenKrupp	Maintenance contract	12,180	12,000	4,381	12,000	-
		ThyssenKrupp	Other repairs	6,767	15,000	45,352	15,000	-
		JT Specialty	Graffiti	3,365	3,000	790	3,000	-
		Long Mechanical		870	5,000	-	5,000	-
		Reflection Windows	Housing glass cleaning	6,500	6,000	2,000	6,000	-
		Elevator permits/inspections		1,000	1,000	-	1,000	-
		Fire Alarm system		540	1,500	-	1,500	-
		Other		-	1,500	-	1,500	-
107703	Lighting	Xcel		23,381	25,000	12,015	25,000	-
107704	Other	Other repairs	Encore	2,445	4,000	-	4,000	-
		68 West - Bridge maintenance		30,225	25,000	-	25,000	-
		Contingency		-	4,000	-	4,000	-
				<b>173,243</b>	<b>195,000</b>	<b>92,662</b>	<b>195,000</b>	<b>-</b>
				<b>1,760,532</b>	<b>2,800,000</b>	<b>631,332</b>	<b>2,800,000</b>	<b>-</b>
				-	-			
		DDPBID		719,786	820,000	232,081	820,000	-
		Denver Commercial Property Services		100,781	120,000	10,775	120,000	-
		EWUM/RPA		91,754	110,000	35,359	110,000	-
		68 West		72,056	65,000	-	65,000	-
		ThyssenKrupp		51,769	64,000	74,525	64,000	-
		JT Specialty		7,640	8,000	1,800	8,000	-
		Long Mechanical		11,289	10,000	1,968	10,000	-
		Reflection Windows		13,000	21,000	4,000	21,000	-
		Gallegos		17,794	55,000	41,122	55,000	-
		Livable Cities/MGT		17,978	100,000	37,744	100,000	-

**Alles, Rachel**

---

**From:** Kralik, Cole <Cole.Kralik@aus.com>  
**Sent:** Monday, July 3, 2023 11:37 AM  
**To:** dmiller@ddmalaw.com; jkincaid@eastwestum.com; Jones, Anna; Carlson, Nicholas; Alles, Rachel; bfries@eastwestum.com  
**Cc:** Ryan Ertman  
**Subject:** [External] CPVMD Monthly Security Report  
**Attachments:** June 2023 CPVMD Monthly Security Report.xlsx

**Think Security – This email originated from an external source. Be cautious with any links or attachments.**

All,

The CPVMD Allied Security team reported no significant increase in specific log types. We observed a decrease in trespassing contacts. All other logs remained consistent with the previous month.

**Map of Encounters**

(Safety, Ambassador, and Outreach) logged by our private security officers this past month by location. The darker color dots indicate increased number of encounters at that location. If the iPhone cannot log a GPS location, it will log the location of the cell phone tower it is connected to, hence some locations appear outside the CPVMD area.

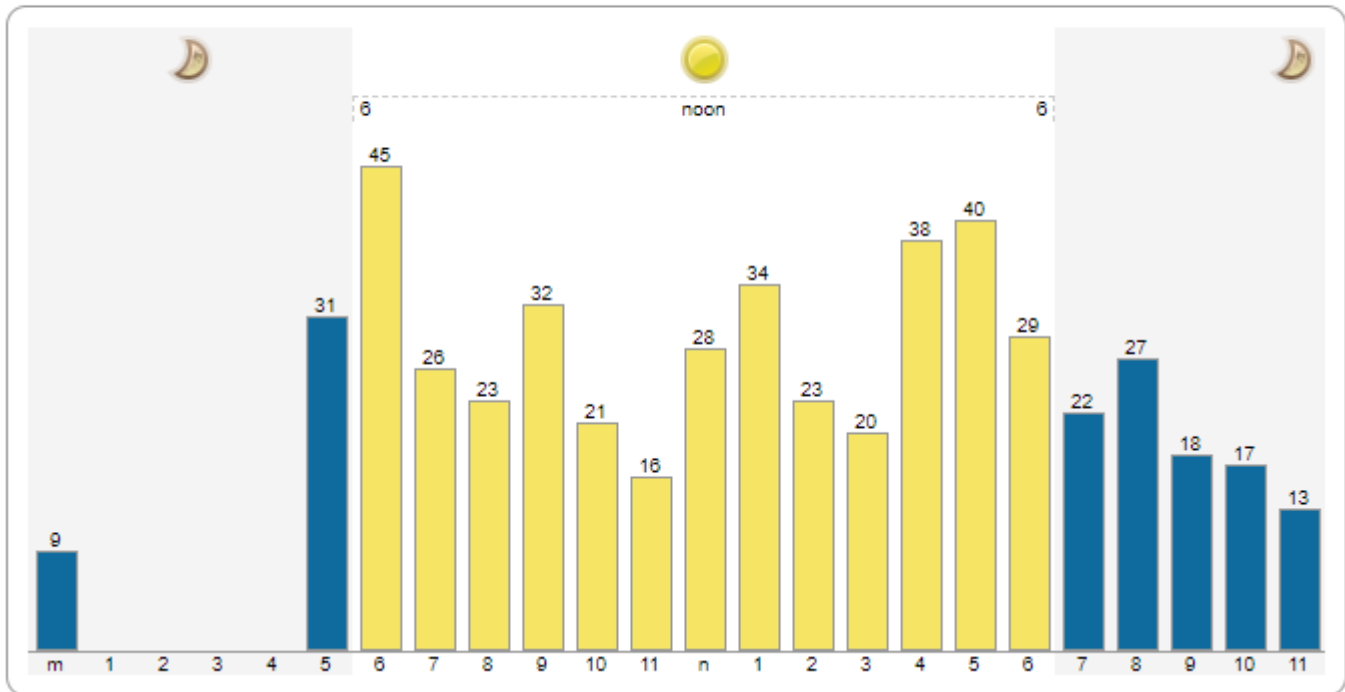


**Chart of Encounters**

Chart of encounters (Safety, Ambassador, and Outreach) logged by our private security officers this past week (Sunday through Saturday) by time of day. Note our shift changes are at 5am and 3pm, this is when outgoing officers brief incoming officers.

# HOURLY ACTIVITY

1/2023 ALL  ALL  CPVMD 



Cole Kralik  
DDBID Account Manager

**Allied Universal**  
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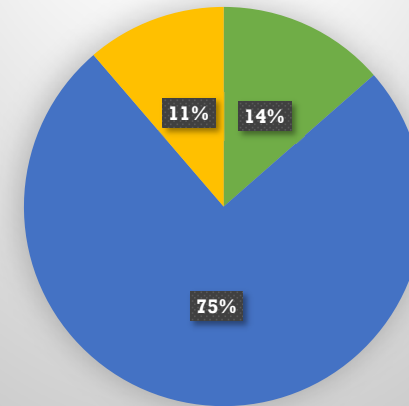
# Allied Universal Security Report

Safety	June 1st-30th	Totals	YTD	Safety	66
Aggressive Panhandling	0	0	0	Ambassador	366
Assault	0	0	1	Outreach	55
Disturbance	16	16	94		
Injury/Illness	2	2	8		
Park Curfew Violation	0	0	0		
Public Intoxication	0	0	6		
Public Urination	0	0	1		
Public Use of Drugs	12	12	40		
Trespass	16	16	155		
Unauthorized Camping	10	10	53		
Vandalism	10	10	55		
<b>Totals</b>	<b>66</b>	<b>66</b>	<b>413</b>		

Ambassador			
Assistance (Directions/Info)	155	155	826
Business Checks	209	209	1372
Lost property	1	1	6
Positive Comment	1	1	11
<b>Totals</b>	<b>366</b>	<b>366</b>	<b>2215</b>

Outreach			
Welfare Check	55	55	468

Officer Focus

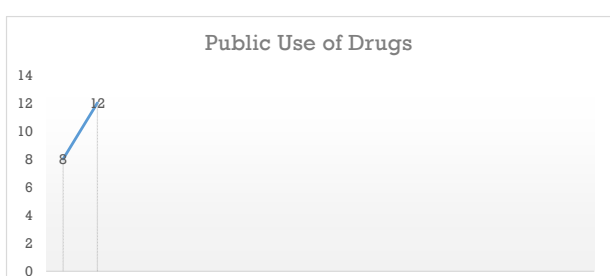
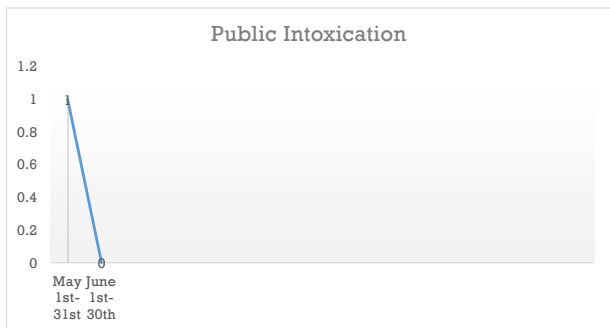
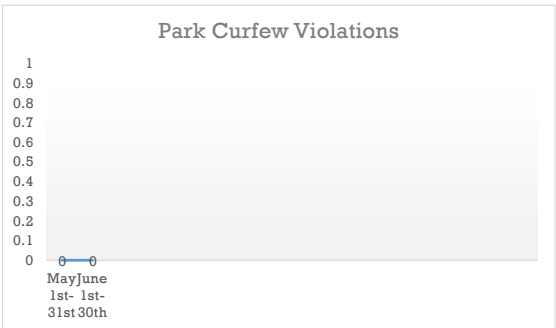
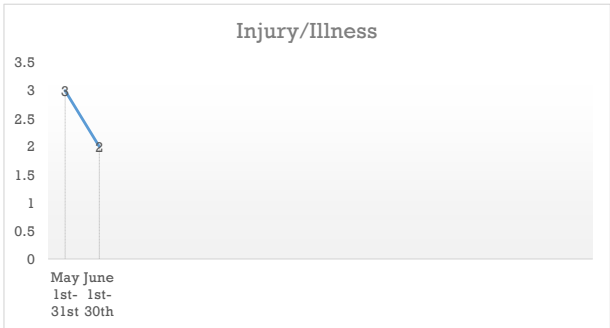
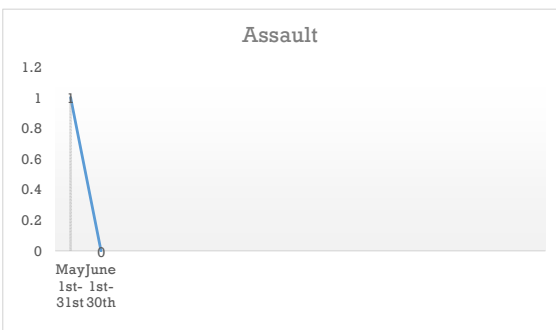


■ Safety   ■ Ambassador   ■ Outreach

# Allied Universal Security Report

Tracking Spreadsheet

Incident Response	May 1st-31st	June 1st-30th																			Monthly Total	Monthly Average
Aggressive Panhandling	0	0																			0	0
Assault	1	0																			1	1
Disturbance	24	16																			40	20
Injury/Illness	3	2																			5	3
Park Curfew Violations	0	0																			0	0
Public Intoxication	1	0																			1	1
Public Urination	0	0																			0	0
Public Use of Drugs	8	12																			20	10
Trespass	44	16																			60	30
Unauthorized Camping	14	10																			24	12
Vandalism	5	10																			15	8
Welfare Checks	107	55																			162	81
<b>Totals</b>	<b>207</b>	<b>121</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>328</b>	<b>164</b>



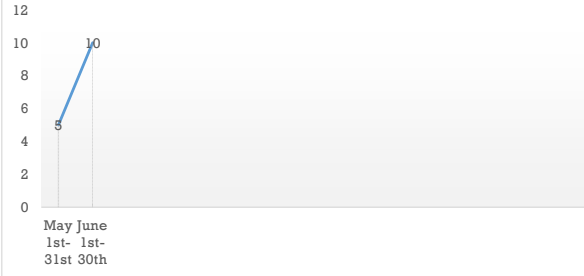
May June  
1st- 1st-  
31st 30th

### Unauthorized Camping

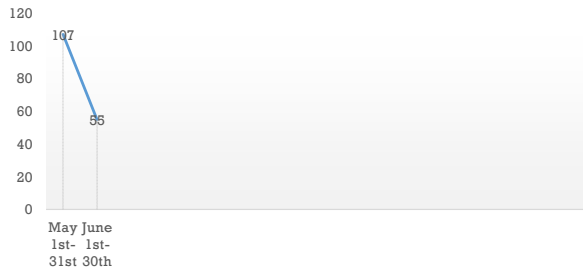


May June  
1st- 1st-  
31st 30th

### Vandalism



### Welfare Checks

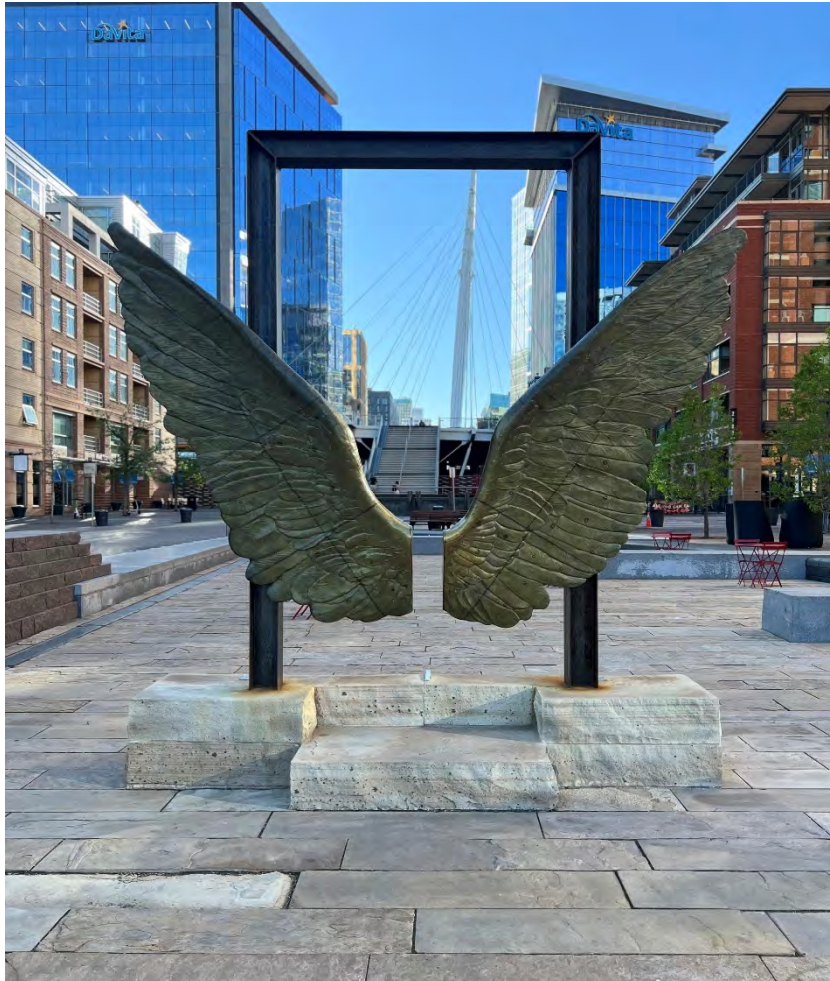




CPVMD - 17th Street Gardens Renovation						
Design Cost Estimate						
6/25/2023						
LIVABLE CITIES STUDIO						
17th Street Gardens Renovation						
	Unit	Unit Price	Quantity	Cost	COMMENTS/QUESTIONS	
<b>01 00 00</b>	<b>GENERAL REQUIREMENTS</b>					
	Construction Permits	LS	\$5,000.00	1	\$5,000.00	Placeholder for any required permits
<b>02 00 00</b>	<b>SITE WORK</b>					
	Demolition - Remove Perennial Plantings, Prep Garden and Improvement Areas	SF	\$2.50	2,647	\$6,617.50	
	Demolition - Remove Existing Unit Pavers	SF	\$2.50	95	\$237.50	
	Demolition - Remove existing crusher fines	SF	\$2.50	743	\$1,857.50	
	Site Preparation - Prep all renovation areas for improvements	SF	\$1.25	3,485	\$4,356.25	
<b>32 00 00</b>	<b>EXTERIOR IMPROVEMENTS</b>					
	Unit Pavers - Installation in Performance Area and Next to Food Kiosk	SF	\$25.00	1,100	\$27,500.00	
	Crusher Fines - Installation in Community Garden Area	SF	\$2.50	1,968	\$4,920.00	
	Stone Pavers - Installation of Small Paths in Community Garden Area	SF	\$12.00	60	\$720.00	New cut through paths connecting community garden areas
	Community Garden Bed - Raised (4'x8') Wood Construction	EA	\$1,200.00	14	\$16,800.00	
	Community Garden Bed - In-Ground (4'x8') Wood Construction	EA	\$500.00	18	\$9,000.00	
	Community Garden - Tool / Utility Box (72")	EA	\$1,750.00	1	\$1,750.00	
	Community Garden - Benches/Tables/Miscellaneous Furniture	Allowance	\$10,000.00	1	\$10,000.00	Allowance - to be confirmed
	Community Garden - Signage	Allowance	\$3,000.00	1	\$3,000.00	Allowance - to be confirmed
	Fencing - Community Garden High Fence	LF	\$150.00	522	\$78,300.00	Updated based on conversations with fence fabricators
	Fencing - Perennial Planting Low Fence	LF	\$95.00	336	\$31,920.00	Updated based on conversations with fence fabricators
	Fencing - Footings	LS	\$20,000.00	1	\$20,000.00	Updated based on conversations with fence fabricators
	Deciduous Tree, (2.5" cal.)	EA	\$950.00	3	\$2,850.00	
	Site Furnishings - Streetlife Solid Podium Isle (10x10)	EA	\$24,000.00	1	\$24,000.00	Based on latest estimate from Streetlife - 6/26. Includes estimated 50% markup for shipping and install
	Site Furnishings - Bryant Park Café Table and Chairs	EA	\$1,000.00	8	\$8,000.00	
<b>33 00 00</b>	<b>UTILITIES</b>					
	Irrigation System Modifications	SF	\$3.00	2,647	\$7,941.00	
	Community Garden Hose Bibs	EA	\$350.00	8	\$2,800.00	
	Sound Garden - Poles and Footings	EA	\$5,000.00	8	\$40,000.00	Allowance - to be confirmed
	Sound Garden - Speakers	EA	\$2,250.00	17	\$38,250.00	Updated per Stantec 6/5 + 50% LCS markup for installation and shipping
	Sound Garden - Electrical Wiring	EA	\$8,000.00	1	\$8,000.00	Keeping this line item - confirmed by Stantec 6/21
	Sound Garden - Control System	EA	\$1,200.00	1	\$1,200.00	Keeping this line item - confirmed by Stantec 6/21
	Sound Garden - Control Box and Installation	EA	\$1,000.00	1	\$1,000.00	Keeping this line item - confirmed by Stantec 6/21
	Specialty/Updated Lighting - Flood Light Projectors w/ Decorative Gobo	EA	\$7,700.00	20	\$154,000.00	Provided by Stantec 6/5 + 40% LCS markup for installation and shipping
	Specialty/Updated Lighting - Bollards	EA	\$1,680.00	8	\$13,440.00	Provided by Stantec 6/5 + 40% LCS markup for installation and shipping
	<b>SUBTOTAL</b>				<b>\$523,459.75</b>	
	<b>GENERAL COSTS</b>					
	Mobilization and Demobilization			15%	\$78,518.96	
	<b>SUBTOTAL</b>				<b>\$601,978.71</b>	
	<b>Owner Contingency</b>			10%	<b>\$60,197.87</b>	
	<b>TOTAL UPDATED ESTIMATE</b>				<b>\$662,176.58</b>	
<b>NOTES:</b>						

# MILLENNIUM BRIDGE LIGHTING DUE-DILIGENCE

CENTRAL PLATTE VALLEY METROPOLITAN DISTRICT



**July 13, 2023**

Prepared by:  
**Stantec**

Project Number:  
**2270476501**

<b>Revision</b>	<b>Description</b>	<b>Author</b>	<b>Date</b>	<b>Independent Review</b>	<b>Date</b>
First Issue	Draft Report	Vannessa Pederson <a href="mailto:vannessa.pederson@stantec.com">vannessa.pederson@stantec.com</a>	July 12, 2023	Rachel Fitzgerald	July 6, 2023



The conclusions in the Report are Stantec’s professional opinion, as of the time of the Report, and concerning the scope described in the Report. The opinions in the document are based on conditions and information existing at the time the scope of work was conducted and do not take into account any subsequent changes. The Report relates solely to the specific project for which Stantec was retained and the stated purpose for which the Report was prepared. The Report is not to be used or relied on for any variation or extension of the project, unless otherwise noted, any unauthorized use or reliance is at the recipient’s own risk.

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Prepared by: \_\_\_\_\_  
Signature

Vannessa Pederson  
\_\_\_\_\_  
Printed Name

Reviewed /  
Approved by: \_\_\_\_\_  
Signature

Rachel Fitzgerald  
\_\_\_\_\_  
Printed Name



**EXECUTIVE SUMMARY ..... III**

**PRICING LINE ITEMS ..... III**

**SUMMARY OF RECOMMENDATIONS BY LINE ITEM ..... IV**

**1 INTRODUCTION & BACKGROUND ..... 1**

**2 CODE REQUIREMENTS ..... 1**

**3 INVESTIGATION NOTES AND RECOMMENDATIONS..... 2**

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3.2 Parkside Stairs ..... 3

3.3 Upper Bridge Lighting..... 3

3.4 Mast Lighting ..... 5

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3.7 Lighting Controls..... 8

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**5 APPENDIX A – CUTSHEETS**

**APPENDIX B – REFERENCE DRAWINGS**

**APPENDIX C – ILLUMINANCE LEVELS**



## Executive Summary

This report presents the findings of Stantec's investigations into the lighting and lighting control system of the Millennium Bridge, a pedestrian bridge located in downtown Denver, Colorado. Our team conducted on-site visits on May 17th and June 7th to identify areas for improvement concerning safety and accessibility.


In a downtown environment, safety is of utmost importance, and it is equally important to provide accessibility and wayfinding for all users. However, our investigations revealed deficiencies in the current lighting and lighting controls system, such as non-operational color changing lighting controls, maintenance of original design intent, and inadequate light levels. It is our understanding that the responsibility for the ongoing maintenance of the bridge lies with the Central Platte Valley Metropolitan District ("CPVMD").

The purpose of this report is to provide a detailed account of the deficiencies in the current lighting system on and around the bridge and to provide recommendations for the necessary restoration or enhancement of the lighting systems.


## Pricing Line Items

This report includes remedial actions for items found to be deficient. Items requiring replacement luminaires, lamps or new luminaires will be classified into the following line items. These line items are intended to be priced separately by contractor to provide a cost estimate for procurement and installation. Remedial actions have been grouped by the following:


### Critical Lighting Adjustments

-  Areas that lighting contributes to the safety of wayfinding and identification for pedestrians.


### Aesthetic Lighting Adjustment

-  Areas the lighting contributes to the ambiance and aesthetic quality of the bridge in hours of darkness.

### LED Upgrades

-  Lighting currently utilizing older lamp technology which can be retrofitted or replaced with LED.

### Maintenance Requirements (Contractor Exclude)

-  Lighting can be adjusted, cleaned or fixed by maintenance staff.



## Summary of Recommendations by Line Item

Refer to Section 3 – Investigation Notes and Recommendations for additional information for each item below.

### **A** Critical Lighting Adjustments

#### Parkside Hardscape and Landscaping

1. Replace single elevator pendant with 'Cylinder' in Appendix A.

#### Parkside Stairs

1. Replace two steplights with 'Steplight B' in Appendix A.
2. Relamp ten 100W metal halide uplight with '100W MH' in Appendix A.

#### Upper Bridge Lighting

1. Single elevator linear additional light provided in 'Elevator Rail' in Appendix A.

#### Streetside Stairs

1. Replace six steplights with 'Steplight A' in Appendix A.

#### Streetside Hardscape

1. Replace and gasket rusted two in-grade faceplate covers for weather proof assembly.

### **B** Aesthetic Lighting Adjustment

#### Upper Bridge Lighting

1. Replace five 4' bench lighting with 'Bench Light' in Appendix A.
2. Replace seven in-grade lights outside upper elevator entries with 'Deck Light' in Appendix A.

#### Streetside Stairs

1. Replace four steplights with 'Steplight B' in Appendix A.

#### Streetside Hardscape and Landscaping

1. Confirm planter steplight power is operational.



#### Lighting Controls

1. Commission The Lighting Agency to reprogram DMX color changing lights to default to 3000K CCT upon any DMX signal failure.

### **C** LED Upgrades

#### Parkside Hardscape and Landscaping

1. Wallwash LED replacements for eleven 70W MH and five accent 100W MH in Appendix A. \*

#### Parkside Stairs

1. Ten stair in-grade uplight LED replacements for 100W MH in Appendix A. \*

#### Upper Bridge Lighting

1. Four bollard LED replacement for 42W CFL in Appendix A.

#### Streetside Stairs

1. Steplight LED replacement for six Steplight A and four Steplight B in Appendix A. \*

### **D** Maintenance Requirements

#### Parkside Hardscape and Landscaping

1. Wallwash in-grades to be cleared of gravel.
2. Replace lamp for northernmost wallwash in-grade to resolve flickering.

#### Upper Bridge Lighting

1. Tighten bollard bases and clean lensing from interior and exterior.
2. Clear debris / gum from in-grade outside elevator lighting.

#### Mast Lighting

1. Clear debris from lens.
2. Clear black substance from lens.
3. Replace broken diffusion lens.

#### Streetside Hardscape and Landscape





1. Clean flag light assembly of condensation.

\* Some luminaires may not be applicable for LED upgrade under 'C – LED Upgrades' if already upgraded or replaced under line items 'A – Critical Lighting Adjustment' or 'B – Aesthetic Lighting Adjustment'.



# 1 Introduction & Background

Constructed in the early 2000s, the pedestrian bridge is an important part of Denver's cityscape and connection over the light rail corridor between the 16<sup>th</sup> Street Mall and Riverfront Park. The lighting system consists of both traditional source metal halide, compact fluorescent and LED lights. The lighting system was initially installed in 2001 and additional DMX layers of lighting were added in 2013 to replace original Architectural lighting with color changing lighting on the mast and cable support system. This report aims to review operation and note performance deficiencies.

Original construction documents dated from August 2001 were used to determine original lamp types. Portions of those drawings pertaining to lighting have been included in Appendix B.

# 2 Code Requirements

Current applicable codes are as follows, any resulting work from this report shall comply with:

- 2021 International Building Code (IBC)
- 2021 International Energy Conservation Code (IECC)
- 2020 National Electrical Code (NEC)
- Denver Zoning Code

The Illuminating Engineering Society (IES) has created four different lighting zone classifications (LZ-1 through LZ-4) to define the levels of light pollution in outdoor areas. LZ-1 represents areas where there is no artificial lighting, while LZ-4 represents areas with high levels of artificial lighting, such as urban centers. The classifications factor the amount of ambient light in the area and the intensity and direction of the light being emitted. The goal is to provide a framework for designing outdoor lighting systems that balance the need for visibility and safety with the need to minimize light pollution and energy consumption.

Based on the description above, this project best falls under the classification of LZ-2: moderate ambient light. "Applies to areas of human activity (i.e., habitation, recreation, and/or work) where electric lighting may be required for safety and convenience at night. Pedestrian vision within this zone is adapted to moderate light levels, and the pedestrian has a moderate expectation of electric lighting". Refer to Appendix C for screenshot of IES recommended light levels.



## 3 Investigation Notes and Recommendations

### 3.1 Parkside Hardscape and Landscaping

The area in front of retail storefronts connecting to Little Raven is equipped with operational 10'-0" 150W metal halide, direct/indirect pedestrian poles illuminating the adjacent hardscape pathways. 12-3/4" 70W metal halide diameter in-grade wallwash uplights highlight the back perimeter wall. Similar in-grades provide accent light on sculptures but with higher output 100W metal halide lamping. Small aperture LED pendant cylinder has replaced original 10" suspended cylinder.

Light levels in this area were appropriate considering the function and surrounding context. Appendix C provides comprehensive evaluation based on IES guidelines.

D

In-grade light lensing covered by gravel slightly obscuring back wall. Maintain clear lens for proper operation of these in-grade luminaires.

D

Northernmost in-grade uplight flickering, likely due to lamp nearing end of life. Replace lamping, if issue not remedied, replace luminaire.

A

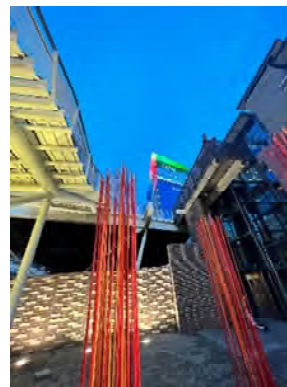
Small aperture LED pendant cylinder over elevator bottom level is non-operational leaving this area in darkness and at risk for safety of pedestrians utilizing elevator. Light levels measured were only 0.1 foot candles at elevator threshold. Replacement suggestion is located in Appendix A under 'Cylinder' to achieve minimum of 0.8 to 0.5 foot candle average.

C

LED lamping or replacement exists that would benefit energy usage and overall lifetime. The replacements for the following are in Appendix A. LED lamping for 70W Metal Halide in the in-grade wallwash – '70W MH' and for 100W metal halide in the sculptural accents – '100W MH'.



**Figure 1** – Partially Covered Wallwash



**Figure 2** – Dark elevator entry



### 3 Investigation Notes and Recommendations Millennium Bridge

Central Platte Valley Metropolitan District

#### 3.2 Parkside Stairs

These stairs are illuminated entirely from below by 11-5/8" diameter 100W metal halide in-grade uplights. Small steplights have been installed on backside of fountain, original documentation did not include these lights for reference of lamp type.

Although the measurements indicate that light levels on horizontal surface (run) of steps do not meet IES recommendation, the contrast ratio and luminance between the light colored vertical portion of stair (rise) and dark colored run of the stairs provide adequate marking for pedestrians to safely travel up and down stairs.

A

Small linear steplights with solid lens near stairs on backside of fountain are non-operational. The lighting contribution from these lights will help provide adequate lighting for pedestrians to identify stairs safely. Replacement suggestion is located in Appendix A under 'Steplight B'.

A

One of the uplights under stairs was non-operational. Replace lamp, if luminaire continues to be non-operational, replace luminaire. The replacement for 100W metal halide lamp are in Appendix A under '100W MH'.

C

LED lamping or replacement exists that would benefit energy usage and overall lifetime. The replacements for the following are in Appendix A: LED lamping for 100W Halide in in-grade stair uplights – '100W MH'.



Figure 3 – Parkside non-operational steplight



Figure 4 – Stair non-operational in-grade

#### 3.3 Upper Bridge Lighting

The main pathway of this area is illuminated by 30" tall, 8" diameter, 42W compact fluorescent pedestrian bollards on the north portion of the pedestrian path of the bridge. There is a 8'-5", 100W metal halide custom pedestrian pole described as the "Porch Lantern" near the east stair.



### 3 Investigation Notes and Recommendations Millennium Bridge

Central Platte Valley Metropolitan District

The mesh sides of the bridge have linear LED graze luminaires highlighting the borders of the bridge. 4' Long vandal and water resistant 32W linear fluorescent sources were originally designed to be housed in the benches. Small 3-3/4" LED in-grades are located at the elevator decks on each side.

Light levels in this area were appropriate considering the function and surrounding context. Appendix provides comprehensive evaluation based on IES guidelines.

- D** Bollards are no longer rigid and slightly flexible when pushed. Maintenance to tighten bolting as possible and clean lensing from interior and exterior.
- B** Bench lighting was non-operational. Replacement suggestion is located in Appendix A under 'Bench Light'.
- B** Numerous in-grades on the bridge were non-operational or missing. Replace all locations for consistency as more than half have failed. Replacement suggestion is located in Appendix A under 'Deck Light'.
- D** Debris/Gum was observed on in-grade luminaire outside elevator lighting. Clean luminaires to be free from debris and gum.
- A** Streetside upper elevator lighting is inadequate, Parkside upper elevator has additional LED added to supplement lighting. Replacement suggestion is located in Appendix A under 'Elevator Rail'.
- C** LED lamping or replacement exists that would benefit energy usage and overall lifetime. The replacements for the following are in Appendix A: LED lamping for 42W CFL bollards – '42W CFL'.



**Figure 5** – Loose bollard



**Figure 6** – Non-operational bench lighting

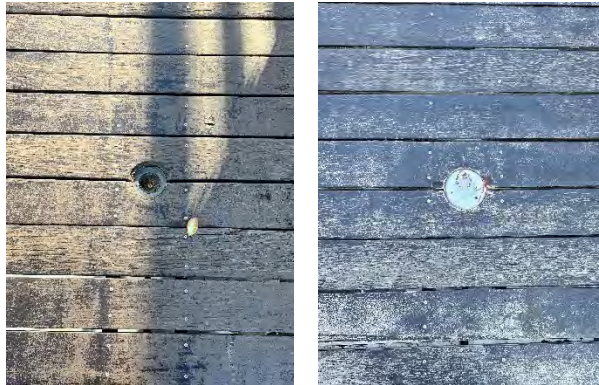


**Figure 7** – Non-operational deck lighting



### 3 Investigation Notes and Recommendations Millennium Bridge

Central Platte Valley Metropolitan District



**Figure 8** – Missing deck lighting

**Figure 9** – Deck light with gum / debris

#### 3.4 Mast Lighting

Accent lighting for the mast is provided by a series of LED four channel color changing luminaires installed in 2013. Smaller sized flood lights are placed at the base of each cable suspension point and an array of larger floods was placed at the base of the large mast structure.

Lighting control scene and color changing equipment was not operational, the electronic component within an LED that emit specific colors of light (red / green / blue / white) were all observed to be on 100% which gave a blueish white cast to the structure. When operating correctly the various color LEDs will mix to create distinct colors (for example when creating a purple color the red and blue chips would be primarily used).

- D** Debris was observed on lenses. Clear lenses of debris.
- D** Black substance was observed on lens. Clear lenses of black substance.
- D** Broken diffusion lens was observed. Replace diffusion lens.

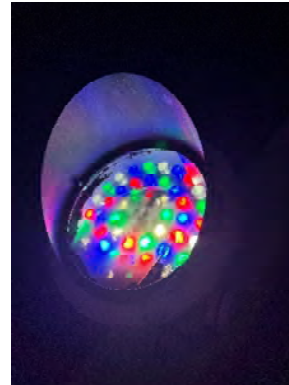


### 3 Investigation Notes and Recommendations Millennium Bridge

Central Platte Valley Metropolitan District



**Figure 10** – Mast light with  
black substance on lens



**Figure 11** – Mast light with  
RGBW LED chips all on

#### 3.5 Streetside Stairs

Steps were illuminated from 13” wide 26W quad compact fluorescent oval surface wall mounted luminaire with upper shielding and 10.5” width, 3.5” tall 18W twin tube compact fluorescent wall recessed louvered step light.

Light levels in this area were appropriate considering the function and surrounding context. Appendix provides comprehensive evaluation based on IES guidelines.

**A**

Black paint like substance and other graffiti observed on lens and general yellowing of lenses. This luminaire is critical to safe travel of pedestrians. Recommended LED replacement is located in Appendix A under ‘Steplight A’.

**B**

Louvered steplight has sustained damage to the faceplate and some are non-operational. Based on light level testing it was determined that louvered steplights are aesthetic in nature and don’t contribute to usable lighting at stairs or for safety. Recommended LED replacement is located in Appendix A under ‘Steplight B’.

**C**

LED lamping or replacement exists that would benefit energy usage and overall lifetime. The replacements for the following are in Appendix A: LED replacements for steplights are located under Appendix A ‘Steplight A’ and ‘Steplight B’.



### 3 Investigation Notes and Recommendations Millennium Bridge

Central Platte Valley Metropolitan District



**Figure 12** – Steplight with black substance on lens



**Figure 13** – Non-operational steplight and yellowing lens



**Figure 14** – Steplight with graffiti on lens



**Figure 15** – Non-operational steplight with corrosion

## 3.6 Streetside Hardscape and Landscaping

The area in front of high rise entry and connecting to Chestnut Place is equipped with operational 10'-0" 150W metal halide, direct/indirect pedestrian poles illuminating the adjacent hardscape pathways. Accent LED wall mount cylinder has replaced original 10" suspended cylinder. Additional planter steplights and flag uplights are located in this area.

Light levels in this area were appropriate considering the function and surrounding context. Appendix provides comprehensive evaluation based on IES guidelines.

**B**

Planter steplights are non-operational. Ensure power is being supplied to these luminaires.

**A**

Rusted faceplates were observed covering previous ingrade luminaire placement. Replace with new wet listed faceplate and install with gasketing to avoid any leakage.





### 3 Investigation Notes and Recommendations Millennium Bridge

Central Platte Valley Metropolitan District

D

Flag lights have accumulated condensation. Clean assembly where possible to free interior from condensation.



**Figure 16** – Non-operational steplights in planter



**Figure 17** – Non-operational pendant cylinder over elevator



**Figure 18** – Abandoned upright floods



**Figure 19** – Rusted in-grade faceplates



**Figure 20** – Flagpole light with condensation inside

## 3.7 Lighting Controls

The lighting controls consist of a contactor / photocell combination for all lighting and additional DMX integration for color changing lighting. The contactor / photocell is operational and from the original construction is still operational and similar part numbers and are still in use at this time.

Coordination with local manufacturers representative of the colored lighting control system revealed the operation of the color changing lighting on cable system and mast as a proprietary system that sends DMX signals over existing line voltage wiring through the electrical panels.



## 4 Conclusion

## Millennium Bridge

Central Platte Valley Metropolitan District

Each color changing luminaire is fitted with a proprietary device that is on and searching for these DMX signals over line voltage. Failure to send DMX signals to the lights results in all chipsets within lights being set to 100%, or a blue-white colored lighting. While DMX signals provide color changing and output control, there is an override for on / off control via a Tork photocell. This provides redundant on / off control of the luminaires to prevent burn during the day if an issue is present with DMX system.

Additional coordination with the local representative of the lighting control system revealed the source of the failure as the touchpanel scene control interface. This resulted in no DMX signals to be sent over the line voltage wiring and therefore the luminaires defaulted to 100% on for red / green / blue and white LED chips, resulting in the blue-white light output. During this investigation the owner and client representative have discussed remedial actions that would quickly fix this issue. This team met with the lighting control representative to understand benefits and limitations, those have been communicated to CPVMD through emails.

**B**

To prevent the unappealing blue-white default color when there is a DMX failure, it is possible to reprogram the LED color changing flood luminaires to default to 3000K and match the other lighting on the bridge and adjacent streetscale lighting. This is possible through the lighting control manufacturer representative.

## 4 Conclusion

This report presents recommended upgrades, classified into critical lighting adjustments, aesthetic lighting adjustments, LED upgrades, and maintenance needs. These categories address safety, accessibility, aesthetics, maintenance considerations, usability, and energy efficiency. The proposed upgrades aim to create a well illuminated environment for pedestrians, while enhancing the visual appeal of the bridge during hours of darkness.

The necessary upgrades will address safety and accessibility concerns, while the proposed enhancements aim to improve aesthetics and energy efficiency. We welcome the opportunity to discuss these findings and recommendations with stakeholders, and we are excited to see the potential impact these recommendations may have on this feature element of our community.

We would like to express our appreciation to the stakeholders involved for their cooperation and support throughout the progress of this due diligence report.



## Appendix A Annotated Cutsheets

See following pages for annotated cutsheets



Project Name:	Type:
Part Number:	Date:



# HID BOLLARD LAMP

## FEATURES

- Integral driver suitable for 120-277V
- Integral thermal sensor reduces power to the lamp in the event ambient temperature exceeds specified limitations
- Replaces 50W/70W/100W HID
- Suitable for damp locations and totally enclosed fixtures\*
- Temperature rating: -4°F/-20°C - 95°F/35°C
- Rated lifetime (L70): 50,000hrs
- 5 year limited warranty\*\*
- Integral 4kV surge protector (25HID models only)
- For installation in Post Top, Area light, or other fixtures exposed to high surge conditions, the use of our 10KV surge protector 97718-10SURGE/277V is recommended.

**\*Test lamp for fit prior to purchase**



ETL CLASSIFIED

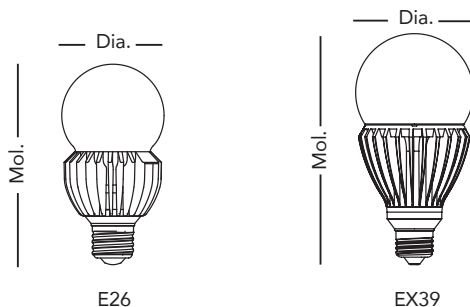


## SPECIFICATIONS

Product	Model	Equiv. (HID)	Equiv. (Incandescent)	Input Voltage	Wattage	Lumens	CCT	CRI	Efficacy (LPW)	Beam Angle	Power Factor	THD	Fixture Rating	ES / DLC
35425	16A21/830/277V	70W	125W	120-277V	16	2,000	3000K	82	125	300°	0.9	<20%	Enclosed	√ / N.A.
35426	16A21/835/277V	70W	125W	120-277V	16	2,000	3500K	82	125	300°	0.9	<20%	Enclosed	√ / N.A.
35427	16A21/840/277V	70W	125W	120-277V	16	2,100	4000K	82	131	300°	0.9	<20%	Enclosed	√ / N.A.
35428	16A21/850/277V	70W	125W	120-277V	16	2,100	5000K	82	131	300°	0.9	<20%	Enclosed	√ / N.A.
97972	25HID/830/277V/E26/R	70-100W	200W	120-277V	25	3,200	3000K	82	128	230°	0.9	<20%	Enclosed	√ / N.A.
35414	25HID/835/277V/E26/R	70-100W	200W	120-277V	25	3,200	3500K	82	128	230°	0.9	<20%	Enclosed	√ / N.A.
97973	25HID/840/277V/E26/R	70-100W	200W	120-277V	25	3,300	4000K	82	132	230°	0.9	<20%	Enclosed	√ / N.A.
97974	25HID/850/277V/E26/R	70-100W	200W	120-277V	25	3,400	5000K	82	136	230°	0.9	<20%	Enclosed	√ / N.A.
97968	25HID/830/277V/EX39/R	70-100W	200W	120-277V	25	3,200	3000K	82	128	230°	0.9	<20%	Enclosed	N.A. / N.A.
35415	25HID/835/277V/EX39/R	70-100W	200W	120-277V	25	3,200	3500K	82	128	230°	0.9	<20%	Enclosed	N.A. / N.A.
97969	25HID/840/277V/EX39/R	70-100W	200W	120-277V	25	3,300	4000K	82	132	230°	0.9	<20%	Enclosed	N.A. / N.A.
97970	25HID/850/277V/EX39/R	70-100W	200W	120-277V	25	3,400	5000K	82	136	230°	0.9	<20%	Enclosed	N.A. / N.A.

\*\* Please visit [www.greencreative.com](http://www.greencreative.com) for Limited Warranty terms.

## DIMENSION & WEIGHT



Model	Base	Mol.	Dia.	Weight
16A21/xxx/277V	E26	5"	2-9/16"	0.50lb
25HID/xxx/277V/E26/R	E26	6-3/8"	3-1/4"	1.04lb
25HID/xxx/277V/EX39/R	EX39	6-13/16"	3-1/4"	1.10lb

Where xxx means 824-965 which indicates CRI and color temperature

## HID BOLLARD LAMP

### \*MINIMUM COMPARTMENT DIMENSIONS ( FOR ENCLOSED FIXTURES )

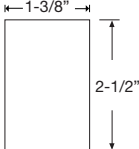
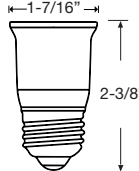
Model	Dia.	Height
16A21/xxx/277V	4"	5-1/2"
25HID/xxx/277V/E26/R	6"	8-1/2"
25HID/xxx/277V/EX39/R	6"	8-1/2"

Installing lamp in a fixture that does not have the minimum compartment dimensions will void the warranty and could cause product failures.

### HID EQUIVALENCE

GREEN CREATIVE HID LED		Metal Halide		Mercury Vapor		High Pressure Sodium	
Power	Lumens	Power	Mean Lumens	Power	Mean Lumens	Power	Mean Lumens
25W	3,300	70W	3,400	100W	3,300	50W	3,600

### OPTIONAL ACCESSORY ORDERING INFORMATION

Product	Model	Description	Picture	Dimensions
97718	10SURGE/277V	10KV Surge Protector Recommended for use in Area light retrofits and other applications subject to high surge conditions.		
16325	E26 EXTENDER	E26 Lamp Extender Adds 1-5/16" to Lamp Height		
35050	E39 EXTENDER	EX39 Lamp Extender Adds 1-11/16" to Lamp Height		

Project Name:	Type:
Part Number:	Date:



# HID BOLLARD LAMP

## FEATURES

- Integral driver suitable for 120-277V
- Integral thermal sensor reduces power to the lamp in the event ambient temperature exceeds specified limitations
- Replaces 50W/70W/100W HID
- Suitable for damp locations and totally enclosed fixtures\*
- Temperature rating: -4°F/-20°C - 95°F/35°C
- Rated lifetime (L70): 50,000hrs
- 5 year limited warranty\*\*
- Integral 4kV surge protector (25HID models only)
- For installation in Post Top, Area light, or other fixtures exposed to high surge conditions, the use of our 10KV surge protector 97718-10SURGE/277V is recommended.

**\*Test lamp for fit prior to purchase**



ETL CLASSIFIED

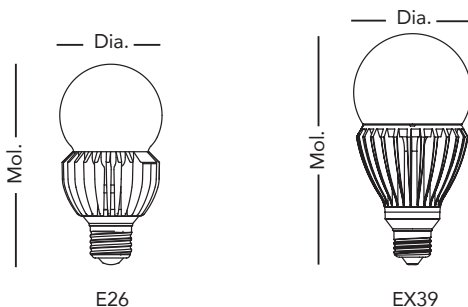


## SPECIFICATIONS

Product	Model	Equiv. (HID)	Equiv. (Incandescent)	Input Voltage	Wattage	Lumens	CCT	CRI	Efficacy (LPW)	Beam Angle	Power Factor	THD	Fixture Rating	ES / DLC
35425	16A21/830/277V	70W	125W	120-277V	16	2,000	3000K	82	125	300°	0.9	<20%	Enclosed	√ / N.A.
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35428	16A21/850/277V	70W	125W	120-277V	16	2,100	5000K	82	131	300°	0.9	<20%	Enclosed	√ / N.A.
97972	25HID/830/277V/E26/R	70-100W	200W	120-277V	25	3,200	3000K	82	128	230°	0.9	<20%	Enclosed	√ / N.A.
35414	25HID/835/277V/E26/R	70-100W	200W	120-277V	25	3,200	3500K	82	128	230°	0.9	<20%	Enclosed	√ / N.A.
97973	25HID/840/277V/E26/R	70-100W	200W	120-277V	25	3,300	4000K	82	132	230°	0.9	<20%	Enclosed	√ / N.A.
97974	25HID/850/277V/E26/R	70-100W	200W	120-277V	25	3,400	5000K	82	136	230°	0.9	<20%	Enclosed	√ / N.A.
97968	25HID/830/277V/EX39/R	70-100W	200W	120-277V	25	3,200	3000K	82	128	230°	0.9	<20%	Enclosed	N.A. / N.A.
35415	25HID/835/277V/EX39/R	70-100W	200W	120-277V	25	3,200	3500K	82	128	230°	0.9	<20%	Enclosed	N.A. / N.A.
97969	25HID/840/277V/EX39/R	70-100W	200W	120-277V	25	3,300	4000K	82	132	230°	0.9	<20%	Enclosed	N.A. / N.A.
97970	25HID/850/277V/EX39/R	70-100W	200W	120-277V	25	3,400	5000K	82	136	230°	0.9	<20%	Enclosed	N.A. / N.A.

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## DIMENSION & WEIGHT



Model	Base	Mol.	Dia.	Weight
16A21/xxx/277V	E26	5"	2-9/16"	0.50lb
25HID/xxx/277V/E26/R	E26	6-3/8"	3-1/4"	1.04lb
25HID/xxx/277V/EX39/R	EX39	6-13/16"	3-1/4"	1.10lb

Where xxx means 824-965 which indicates CRI and color temperature

# HID BOLLARD LAMP

## \*MINIMUM COMPARTMENT DIMENSIONS ( FOR ENCLOSED FIXTURES )


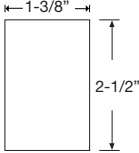

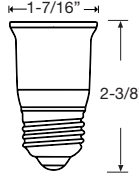

Model	Dia.	Height
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25HID/xxx/277V/E26/R	6"	8-1/2"
25HID/xxx/277V/EX39/R	6"	8-1/2"

Installing lamp in a fixture that does not have the minimum compartment dimensions will void the warranty and could cause product failures.

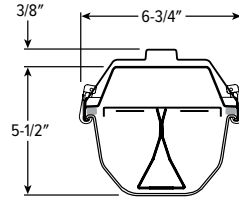
## HID EQUIVALENCE

GREEN CREATIVE HID LED		Metal Halide		Mercury Vapor		High Pressure Sodium	
Power	Lumens	Power	Mean Lumens	Power	Mean Lumens	Power	Mean Lumens
25W	3,300	70W	3,400	100W	3,300	50W	3,600

## OPTIONAL ACCESSORY ORDERING INFORMATION

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16325	E26 EXTENDER	E26 Lamp Extender Adds 1-5/16" to Lamp Height		
35050	E39 EXTENDER	EX39 Lamp Extender Adds 1-11/16" to Lamp Height		

# 97 LED Enclosed & Gasketed Industrial/Garage Lighter



CATALOG #: \_\_\_\_\_

Type: \_\_\_\_\_

PROJECT: \_\_\_\_\_

## FEATURES

- Wide distribution optics are ideal for parking garage applications
- Fully gasketed fixture is built tough to resist contaminants
- Toggle latches ensure a tight seal and provide easy access to electrical components
- Optional tamper-resistant latches available
- Standard stainless steel latches protect the fixture from corrosion in harsh environments
- NSF/ANSI Standard 2–Splash Zone certified
- IP65, IP66, and IP67 certified
- Closed-cell polyurethane gasket poured and formed in place to ensure tight seal—does not absorb water or promote fungal growth
- High-performance up to 147 lm/W
- Made Right Here® in the USA



## SPECIFICATIONS

- ENCLOSURE** – Outer housing consists of 5VA (f1) fiberglass, rated for flame and weather resistance.
- INTERNAL HOUSING** – .050" aluminum.
- LATCHING** – Stainless steel latches. Injection-molded polycarbonate latches available (not recommended for use in harsh environments, such as a car wash).
- REFLECTOR** – 95% reflective highly specular aluminum.
- SHIELDING** – Frosted or clear, impact-resistant acrylic.
- ELECTRICAL** – High-quality mid-power LED board. L70 >50,000 hours. -20°C to 40°C maximum ambient operating temperature. -40°C minimum operating temperature with LA40 option.
- MOUNTING** – Surface or suspended. Stainless steel ceiling mount brackets included.
- LISTINGS** –
  - cETLus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for wet locations when specified with watertight hub, STOW or SOOW cord, or mini-male receptacle option.
  - NSF/ANSI Standard 2–Splash Zone certified, IP65, IP66, and IP67 certified, and rated for NEMA 4X.
  - Complies with the Buy American Act and other federal regulations. Request certification at [hew.com/baa](http://hew.com/baa).
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

ORDERING EXAMPLE: 97 - 4 - L95/840 - FR - OPTIONS - CONTROL/DRV - UNV

## ORDERING INFO

SERIES	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT	SHIELDING
97	2 2'	2'	8 80	30 3000K	FR Frosted, impact-resistant acrylic
	4 4'	L25 2500lm	9 90 <sup>[2]</sup>	35 3500K	A Clear, impact-resistant acrylic with frosted ends
		L37 3700lm		40 4000K	
	4'	L45 4500lm		50 5000K	
		L50 5000lm			
		L79 7900lm			
		L95 9500lm			

## OPTIONS<sup>[3]</sup>

EM/10W	10-watt emergency battery <sup>[5]</sup>
EM/6WC	6-watt emergency, low temperature battery <sup>[6]</sup>
LA40	-40°C minimum operating temperature <sup>[7]</sup>
(L__)	Additional lower lumen packages available Example: 6,100 lumens = 97-4-L79/840-FR-(L61) <sup>[8]</sup>
WET/1	(1) 1/2" watertight hub <sup>[9]</sup>
WET/2	(2) 1/2" watertight hubs <sup>[10]</sup>
SSCMB	Stainless steel chain mounting brackets <sup>[11]</sup>
PCL	Injection-molded polycarbonate latches. <sup>[12]</sup>
TP	Tamper-resistant screws <sup>[13]</sup>

## CONTROL

– None  
 See page 3 for Additional Control Options.<sup>[14]</sup>

## DRIVER<sup>[4]</sup>

**DIM Dimming driver**  
 DRV Non-dimming driver

## VOLTAGE

120 120V  
 277 277V  
**UNV 120-277V**  
 347 347V<sup>[15]</sup>

## ACCESSORIES

**TPTG TOOL** Tamper-resistant tool for tri-groove screws.<sup>[16]</sup>

## NOTES

- Lumen output based on 4000 CCT and FR shielding. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- Extended lead times may apply. Consult factory for availability.
- Stainless steel latches required for applications with harsh chemicals. See page 2 for CORD OPTIONS. See page 2 for OPTION DETAILS.
- See page 3 for ADDITIONAL DRIVER OPTIONS.
- 4' only. 25°C maximum ambient operating temperature at or below L79.
- 4' only. Rated for -20°C to 25°C ambient temperature.
- Not available with EM batteries.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.

- Factory-installed in end of housing.
- Factory-installed in ends of housing. Not available with occupancy sensor option.
- 2 per fixture.
- Not recommended for use in harsh environments, such as a car wash.
- This option requires a tamper-resistant tool, see Accessories.
- See page 3 for SENSOR PLACEMENT DETAILS.
- Not available with EM batteries.
- Tamper-resistant tool must be ordered separately. Please specify quantity required per project.





# 97 LED Enclosed & Gasketed Industrial/Garage Lighter

## FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'	L25	2559	18.3	140
	L37	3756	27.2	138
	L45	4554	30.8	148
4'	L50	5118	34.7	147
	L79	7920	57.3	138
	L95	9590	64.8	148

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 4000K, 80 CRI, actual lumens may vary +/-5%
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

## MULTIPLIER TABLES

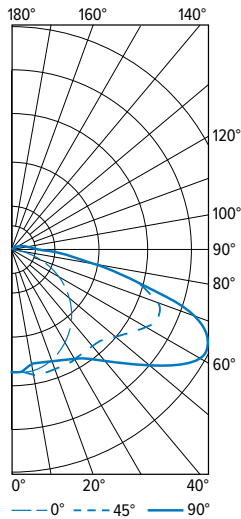
		COLOR TEMPERATURE	
		CCT	CONVERSION FACTOR
80 CRI	3000K		0.96
	3500K		0.97
	4000K		1.00
	5000K		1.03

LENS	CONVERSION FACTOR
A	1.00
FR	0.98

90 CRI	3000K	0.79
	3500K	0.80
	4000K	0.83
	5000K	0.86

## PHOTOMETRY

97-4-L95/840-FR-DRV-UNV Total Luminaire Output: 9590 lumens; 64.8 Watts | Efficacy: 148 lm/W | 86.8 CRI; 4166K CCT

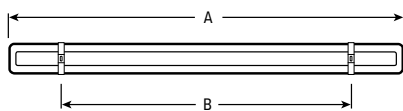


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1545	1545	1545	
5	1570	1599	1458	149
15	1528	1609	1501	442
25	1427	1608	1553	717
35	1285	1595	1680	970
45	1088	1629	2050	1243
55	844	1853	2546	1582
65	565	2070	2778	1795
75	307	1660	1823	1408
85	109	716	689	665
90	70	460	411	
95	51	314	281	285
105	36	185	172	154
115	22	117	134	95
125	11	65	95	52
135	0	30	54	22
145	0	12	28	8
155	0	0	10	2
165	0	0	0	0
175	0	0	0	0
180	0	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1308	14
	0 - 40	2278	24
	0 - 60	5103	53
	0 - 90	8971	94
	90 - 120	534	6
	90 - 150	617	6
	90 - 180	619	7
	0 - 180	9590	100

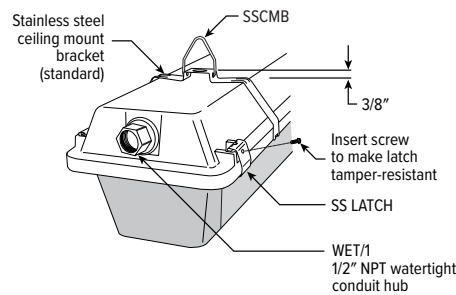
## FIXTURE DETAILS

### BACKVIEW



NOMINAL LENGTH	OVERALL LENGTH (A)	MOUNTING DISTANCE (B)
2'	27-5/8"	12"- 17" OC
4'	51-7/8"	30"- 42" OC
8'	100-1/4"	48"- 80" OC

### OPTION DETAILS



## CORD OPTIONS

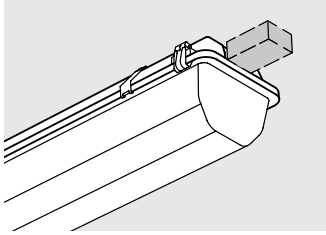
EXAMPLE: 5WMRC6		
NUMBER OF CONDUCTORS	POWER CONNECTION - NON-DIMMING	CORD LENGTH
3 3-wire	WMR Mini-male receptacle only	-
	WC STOW cord	6 6'
4 4-wire	WMRC Mini-male receptacle with STOW cord	20 20'
	POWER CONNECTION - DIMMING	
5 5-wire	WMR Mini-male receptacle only	-
	WC SOOW cord	6 6'
6 6-wire	WMRC Mini-male receptacle with SOOW cord	20 20'

Wet location cord sets are yellow.

# 97 LED

## Enclosed & Gasketed Industrial/Garage Lighter

### SENSOR PLACEMENT DETAILS



### ADDITIONAL CONTROL OPTIONS

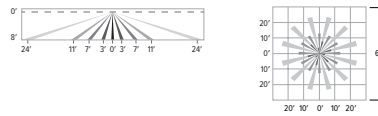
**OCCWS-FSP-321B-L\_-120-480** Wattstopper PIR motion and daylight sensor using 0-10V internal control, 120V-480V. Must specify lens: L2, L3 or L7. Factory installed.

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 40'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 75°C
COMMISSIONING	App (iOS or Android)

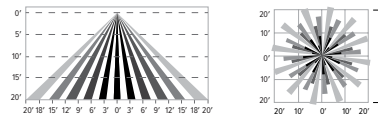
IP66 certified for wet locations. Not rated for NEMA 4X.

#### SENSOR COVERAGE PATTERNS

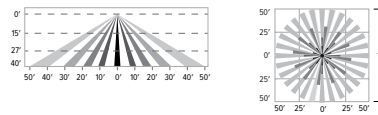
**L2 8' height: ø48' coverage**



**L3 20' height: ø40' coverage**



**L7 40' height: ø100' coverage**



#### SENSOR DETAIL



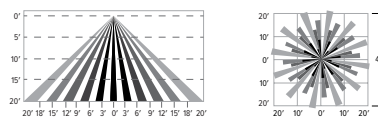
**OCCWS-HB350W-L3W-\_\_\_** Wattstopper PIR motion sensor. Must specify voltage: 120 or 277V.

SPECIFICATIONS	
TYPE	PIR Motion
MOUNTING HEIGHT	20'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 70°C
RELATIVE HUMIDITY	20 to 90%, non-condensing

IP65 certified for wet locations. Not rated for NEMA 4X.

#### SENSOR COVERAGE PATTERNS

**20' height: ø40' coverage**



#### SENSOR DETAIL



### ADDITIONAL DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at [hew.com/product-builder](http://hew.com/product-builder).

CATALOG NUMBER	DESCRIPTION
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver



# CORE/WL 6

ROUND, WET LOCATION, DIRECT ILLUMINATION



## SPECIFICATIONS

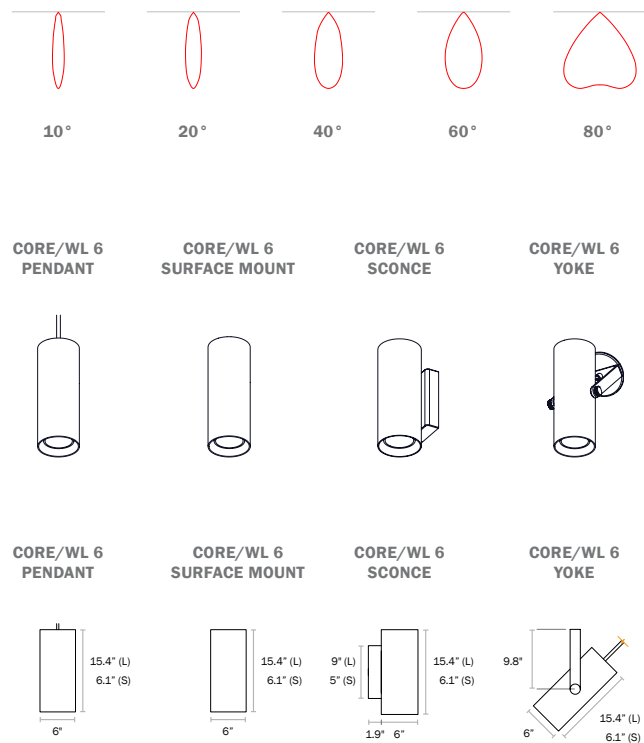
<b>PROFILE</b>	Round
<b>SIZE</b>	6" diameter
<b>LED OUTPUT</b>	700lm - 4,000lm
<b>CCT/CRI</b>	2700K/3000K/3500K/4000K • 83 CRI or 98 CRI
<b>DIMMING/ DRIVER</b>	Internal, Canopy, and Remote Driver: 0-10V, Phase, DALI, DMX, eldoLED, Lutron®. Dimming to 0% for select models.
<b>POWER</b>	5.6W to 39.1W per fixture
<b>INPUT</b>	100VAC to 277VAC Phase dimmable versions are 120VAC only.
<b>OPTICS</b>	10° - 80° distribution spun aluminum reflectors. Field replaceable without tools.
<b>FINISHES</b>	Powder coat - TGIC polyester for exterior and interior use
<b>MATERIAL</b>	Extruded aluminum with stainless steel hardware
<b>ENVIRONMENT</b>	Wet location, IP66 rated LED module

### WELL

For UGR values and recommended options that contribute to meeting the WELL Building Standard™ see [WELL addendum](#).

\*Safety and Performance information available on last page. Output and other specifications available on page 6.

## DISTRIBUTIONS & PROFILES



Not to scale. Dimensions are nominal. Consult factory for CAD drawing





**PRODUCT SUBMITTAL QUICK WORKSHEET**

1	2	3	4	5	6	7	8	9	10	11	12	13
---	---	---	---	---	---	---	---	---	----	----	----	----

**EXAMPLE: CRP6/WL – 20982740HL – RV10 – L – BABK/12 – AC – EMB**

1. MODEL (CHOOSE 1)	2. OUTPUT* (CHOOSE 1)	3. CRI (CHOOSE 1)	4. CCT (CHOOSE 1)
<input type="checkbox"/> CRP6/WL Pendant <input checked="" type="checkbox"/> CRM6/WL Surface Mount <input type="checkbox"/> CRS6/WL Sconce <input type="checkbox"/> CRY6/WL Yoke	<input type="checkbox"/> 07 700lm <input type="checkbox"/> 10 950lm <input checked="" type="checkbox"/> 13 1300lm <input type="checkbox"/> 20 2000lm <input type="checkbox"/> 30 <sup>1</sup> 3000lm <input type="checkbox"/> 40 <sup>1</sup> 4000lm <small><sup>1</sup>Available for 83CRI only</small>	<input checked="" type="checkbox"/> 83 83 <input type="checkbox"/> 98 98	<input type="checkbox"/> 27 2700K <input checked="" type="checkbox"/> 30 3000K <input type="checkbox"/> 35 3500K <input type="checkbox"/> 40 4000K

5. REFLECTOR* (CHOOSE 1)	6. OPTICAL ACCESSORY* (CHOOSE 1)	7. DRIVER LOCATION* (CHOOSE 1)	8. DIMMING* (CHOOSE 1)
<input checked="" type="checkbox"/> 10 <sup>2</sup> 10° (0.3 S/MH) <input type="checkbox"/> 20 20° (0.4 S/MH) <input type="checkbox"/> 40 40° (0.7 S/MH) <input type="checkbox"/> 60 60° (0.8 S/MH) <input type="checkbox"/> 80 80° (1.3 S/MH) <small><sup>2</sup>Beam angles noted above are nominal.  <sup>3</sup>Available for 2000lm 83CRI and lower or 1300lm 98CRI and lower.</small>	<input type="checkbox"/> NN None <input checked="" type="checkbox"/> HL <sup>4</sup> Honeycomb Louver <input type="checkbox"/> DF Diffusion Lens <input type="checkbox"/> LS Linear Spread Lens (60° x 1°) <input type="checkbox"/> WW Wall Wash Lens (shifts beam 20° from vertical) <input type="checkbox"/> FT <sup>5</sup> Forward Throw <small><sup>4</sup>Not available for UP sconce style.  <sup>5</sup>Available for sconce only.</small>	<input checked="" type="checkbox"/> N <sup>6,7</sup> Internal <input type="checkbox"/> R Remote <input type="checkbox"/> D <sup>7</sup> Deep Canopy <small><sup>6</sup>See 'Dimming/driver location compatibility' on page 7 to ensure correct dimming specification.  <sup>7</sup>Available for sconces or L shell heights only.  <sup>8</sup>Internal driver located in arm on sconces.  <sup>9</sup>Not available for sconces.</small>	<input checked="" type="checkbox"/> V10 (0-10V, dim to 10%) <input type="checkbox"/> P10 (Phase, dim to 10%) <input type="checkbox"/> ELDV0 <sup>8</sup> (eldoLED, 0-10V, dim to 0%) <input type="checkbox"/> LDE1 <sup>8</sup> (Lutron ECOSYS1, 0-10V, dim to 1%) <input type="checkbox"/> LTEA <sup>8</sup> (Lutron HI-Lume, Phase dim, 2-wire to 1%) <input type="checkbox"/> DALI <sup>8</sup> (DALI, dim to 0%) <input type="checkbox"/> DMX <sup>8</sup> (DMX, dim to 0%) <small><sup>8</sup>See 'Driver' and 'dimming/driver compatibility' charts for dimming compatibility.  <sup>9</sup>Premium drivers available for remote driver location only.</small>

9. SHELL HEIGHT* (CHOOSE 1)	10. SHELL COLOR* (CHOOSE 1)	11. SUSPENSION* (CHOOSE 1)	12. SUSPENSION OPTIONS* (OPTIONAL CHOOSE 1)
<input checked="" type="checkbox"/> L 15.4" Shell <input type="checkbox"/> S 6.1" Shell <small><sup>10</sup>See page 3 for shell dimension drawings.  <sup>11</sup>Available for remote and deep canopy driver locations.  <sup>12</sup>Internal driver location available for sconces only.</small>	<b>FINISHES**</b> <input type="checkbox"/> SG Silver Gray <input type="checkbox"/> SW Satin White <input checked="" type="checkbox"/> SB Satin Black <input type="checkbox"/> _____ Specify Finish Code (Ex: OB = Oil-Rubbed Bronze) <b>SPECIAL ORDER FINISHES**</b> <input type="checkbox"/> RAL_____ Specify RAL Classic Color (Ex: RAL 3003) - <input type="checkbox"/> CAT_____ Specify Catalog Colors <input type="checkbox"/> CCM_____ Specify Custom Color Match <small>**See page 5 for finish chart.  <sup>13</sup>Manually type the finish code into the parametric code above.</small>	<b>PENDANT OPTIONS</b> <input type="checkbox"/> BK <sup>14</sup> Black Cord <input type="checkbox"/> RS# <sup>12</sup> Rigid Stem <input type="checkbox"/> SS# <sup>12</sup> Swivel Stem <b>YOKE OPTIONS</b> <input type="checkbox"/> SC Standard Canopy <input type="checkbox"/> RS# <sup>12</sup> Rigid Stem <input type="checkbox"/> SS# <sup>12</sup> Swivel Stem <small><sup>14</sup>Selection not required for surface mount and sconce.  <sup>15</sup>Standard cord length 6ft. For longer cords, type desired length after cord style in product code above (i.e BK/8 = Black Cord + 8ft cord length)  <sup>16</sup>Type desired stem length (4" -100") into product code above.</small>	<b>PENDANT OPTIONS</b> <input type="checkbox"/> AC Aircraft Cable <input type="checkbox"/> SB <sup>13</sup> Seismic Bracing <b>SCONCE OPTIONS</b> <input type="checkbox"/> UP <sup>14</sup> Uplight <small><sup>13</sup>Seismic bracing only available for Rigid Stem suspensions.  <sup>14</sup>Includes reflector cover.</small>

**13. EMERGENCY OPTIONS\* (OPTIONAL)**

EMB<sup>15</sup> Emergency Battery

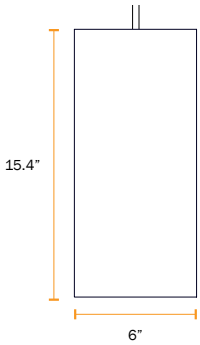
\*Emergency options only available with 0-10V driver options. Third party inverter system recommended for other driver options. Refer to ALW EM Solution Catalog for all compatibility exceptions.  
<sup>15</sup>Available for remote driver only.



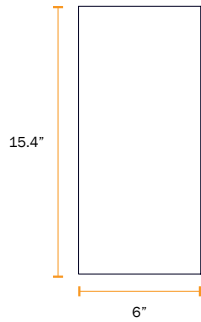
**DIMENSIONS AND MOUNTING**

**SHELL HEIGHT L**

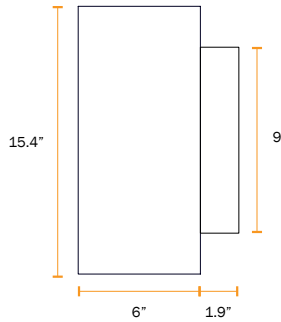
**CORE/WL 6  
PENDANT**



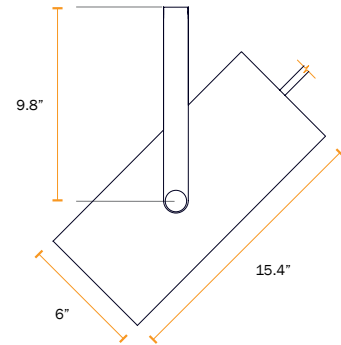
**CORE/WL 6  
SURFACE**



**CORE/WL 6  
SCONCE**

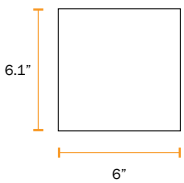


**CORE/WL 6  
YOKE**

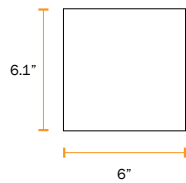


**SHELL HEIGHT S**

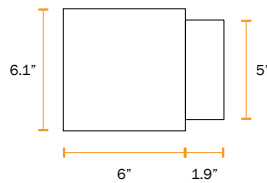
**CORE/WL 6  
PENDANT**



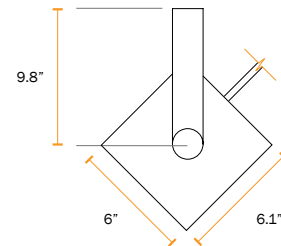
**CORE/WL 6  
SURFACE**



**CORE/WL 6  
SCONCE**



**CORE/WL 6  
YOKE**



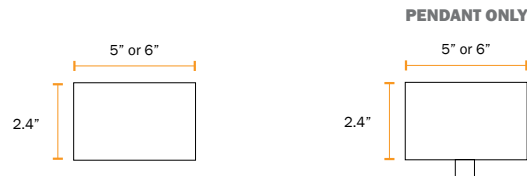
**REMOTE DRIVER**

STANDARD SHALLOW CANOPY



**DEEP CANOPY MOUNTED DRIVER<sup>16,17</sup>**

DEEP CANOPY FOR CANOPY MOUNTED LED DRIVERS



Not to scale. Dimensions are nominal. Consult factory for CAD drawings  
 All canopies fit standard 3.5" and 4" round and octagonal junction boxes.

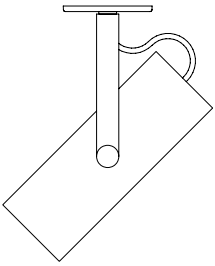
<sup>16</sup>Deep canopy diameter depends on LED driver size

<sup>17</sup>Dual output emergency battery fixtures may require 7" canopy



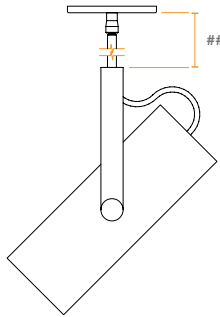
## DIMENSIONS AND MOUNTING

### YOKE STANDARD CANOPY



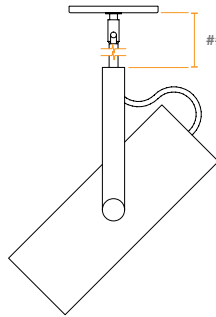
### YOKE RIGID STEM

includes 10° hang straight



### YOKE SWIVEL STEM

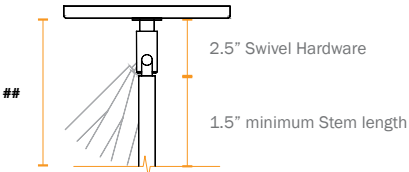
360° rotation x 90° tilt swivel



## = length in inches from bottom of canopy to top of yoke

## PENDANT SUSPENSION OPTIONS

### SWIVEL STEM

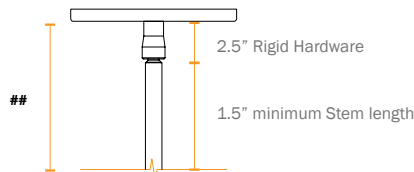


Order Code = **SS##**

## = length in inches from bottom of canopy to top of fixture. Includes the swivel hardware. Minimum length for swivel hardware + stem is 4". Total length (##) for swivel hardware alone is 2.5".

360° rotation x 90° tilt swivel

### RIGID STEM

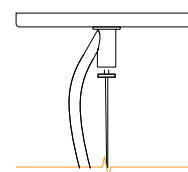


Order Code = **RS##**

## = length in inches from bottom of canopy to top of fixture. Includes the rigid hardware. Minimum length for rigid hardware + stem is 4". Total length (##) for rigid hardware alone is 2.5".

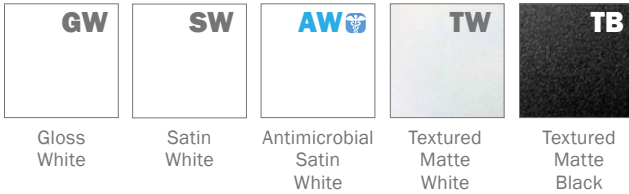
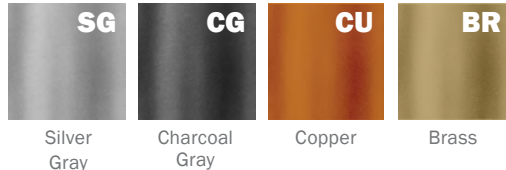
Includes 10° hang straight

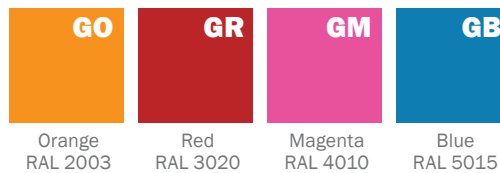
### AIRCRAFT CABLE



Order Code = **AC**

Standard cable length = 6'  
 Cable length is field adjustable


**FINISHES**
**BASIC POWDER COAT**

**METALLIC POWDER COAT**

**SATIN ANODIZED EFFECT POWDER COAT**

**GLOSS POWDER COAT (80-95% GLOSS)**


Contact ALW Quotes for sample paint finish swatches.

**SPECIAL ORDER FINISHES\***

**RAL CLASSIC COLORS (80-95% GLOSS): RAL\_ \_ \_ \_**

Most RAL Classic Colors are available for a minimum setup fee. On your specification submittal choose your RAL color by entering the 4-digit RAL code (Ex: RAL 3003). See [www.alwusa.com/finishes](http://www.alwusa.com/finishes)


**CUSTOM COLOR MATCH: CCM\_ \_ \_ \_**

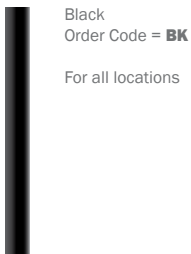
Custom powder coat color matching is available for a premium setup fee. Consult ALW for additional information.


**CATALOG COLORS: CAT\_ \_ \_ \_**

The complete range of powder coat colors from Tiger Drylac and TCI catalogs are available for a minimum setup fee. Consult ALW for a catalog color you would like to specify.

\*An individual setup fee will apply to each unique Special Order Finish per purchase order.  
 (ex: RAL 5023 and RAL 2008 are specified for multiple line items on a purchase order. 2x setup fees will apply)

\*Printed or on-screen colors are only approximations - consult actual Color Chip Set before specifying)

**CORD OPTIONS**



**PERFORMANCE DETAILS**

REFLECTOR OPTION <sup>18</sup>	CRI	OUTPUT OPTIONS	DELIVERED LUMENS <sup>19</sup>	EFFICACY (LM/W)	SYSTEM WATTS(W)	CCT OPTIONS
<b>10°</b> <b>20°</b> <b>40°</b> <b>60°</b> <b>80°</b>	Ra = 83 ± 3	700	643	115	5.6	2700K 3000K 3500K 4000K
		950	873	106	8.2	
		1300	1196	102	11.7	
		2000	1839	94	19.5	
		3000	2761	94	29.3	
	Ra = 98 ± 3	4000	3683	94	39.1	
		700	643	86.9	7.4	
		950	873	80.1	10.9	
		1300	1196	76.7	15.6	
		2000	1839	69.7	26.4	

<sup>\*</sup>Based on 40° reflector for all outputs.

<sup>\*</sup>Refer to IES files for full performance data.

<sup>18</sup>10° Reflector only available for 83CRI 1300lm and lower and 98CRI 950lm and lower.

<sup>19</sup>Actual lumens measured in field may differ +/- 10%.




**DRIVERS**

PRODUCT CODE	DESCRIPTION
V10	0-10V dimming down to 10%
P10	ELV/TRIAC Phase dimming down to 10%
ELDVO	eldoLED, 0-10V dimming down to 0%
DALI	DALI flicker-free dimming down to 0%.
DMX	DMX flicker-free dimming down to 0%.
LDE1	ECOSYS1, (LDE1) Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
LTEA	LTEA. Lutron Hi-lume 1% 2-wire TRIAC dimming (120V forward-phase only)

\*Contact ALW for specific dimming level requests. ALW lighting fixtures are intended for use with a wide range of sensors, lighting controls, LED drivers, and building management systems. If there are specific components required for your application that aren't listed on this spec sheet, please contact ALW customer support today to specify a compatible solution of your choice.

DRIVER/LED LAMPING COMPATIBILITY			
	STD*	CA TITLE 24 JA8/JA10 <sup>20</sup>	IEEE P1789 & HD TV STUDIO <sup>21</sup>
V10	●		
P10	●		
ELDVO	●	●	●
DALI	●	●	●
DMX	●	●	●
LDE1	●	●	●
LTEA	●	●	

DRIVER LOCATION/DRIVER COMPATIBILITY			
	INTERNAL*	DEEP CANOPY	REMOTE
V10	●	●	●
P10	●	●	●
ELDVO		●	●
DALI		●	●
DMX		●	●
LDE1		●	●
LTEA		●	●

● - Indicates compatibility

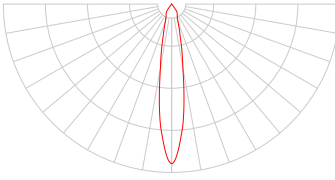
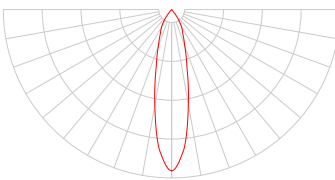
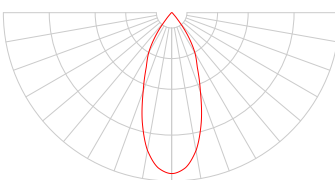
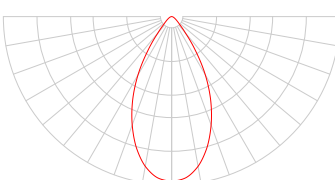
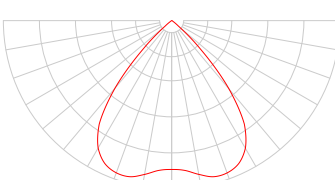
\*Standard lamping (STD) - 700-4000LM

<sup>20</sup>Fixtures specified with 83CRI, 98CRI, 2700K, 3000K, 3500K, and 4000K lamping with applicable LED drivers have the ability to conform to California Title 24 JA8 and JA10 Appendices.

<sup>21</sup>The following drivers conform to IEEE P1789 Flicker Standard: 'IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers'. These drivers may also be installed in HD TV Studio applications utilizing high frequency camera equipment.

\*Internal driver only available for sconces and long shells. For sconces, driver located in sconce arm.


**PHOTOMETRICS CORE/WL**

BEAM ANGLE (°)	POLAR PLOT (CD)	MTG HEIGHT (FT)	LIGHT LEVEL (FC)	BEAM DIAMETER (FT)	SPACING CRITERION (SC) <sup>22</sup> (0° - 180°) (90° - 270°)	MAX INTENSITY (CD)	BUG RATING
10°		6	315.8	1.8	.30 .30	11370	B2-U0-G0
		8	177.7	2.4			
		10	113.7	3.0			
		12	79.0	3.5			
		14	58.0	4.1			
		16	44.4	4.7			
20°		6	173.0	2.6	.40 .40	6228	B2-U0-G0
		8	97.3	3.4			
		10	62.3	4.3			
		12	43.3	5.1			
		14	31.8	6.0			
		16	24.3	6.8			
40°		6	87.6	4.5	.65 .65	3154	B2-U1-G0
		8	49.3	5.9			
		10	31.5	7.4			
		12	21.9	8.9			
		14	16.1	10.4			
		16	12.3	11.9			
60°		6	40.7	5.9	.80 .80	1465	B1-U1-G1
		8	22.9	7.9			
		10	14.7	9.8			
		12	10.2	11.8			
		14	7.5	13.7			
		16	5.7	15.7			
80°		6	34.4	10.2	1.31 1.31	1355	B2-U0-G0
		8	19.3	13.6			
		10	12.4	17.0			
		12	8.6	20.4			
		14	6.3	23.8			
		16	4.8	27.2			

\*Photometric calculations based on 2000lm 2700K-4000K 83CRI-98CRI fixture combination. Actual results may vary in the field.

For footcandle and output multipliers refer to the [ALW IES File Multipliers Chart](#).

<sup>22</sup>Spacing criterion refers to maximum distance luminaires can be spaced to provide uniform illumination on the working plane or surface.

Luminaire spacing = Spacing Criterion (SC) x Mounting Height (MH) (ex. 1.14 (SC) x 10' (MH) = 11.4' Luminaire Spacing).


**ADDITIONAL OPTIONS & SPECIFICATIONS**
**LED PERFORMANCE**

> 55,000 hours at 70% lumen maintenance, LM80 / TM-21

**COLOR CONSISTENCY**

1x2 SDCM (MacAdam) along BBL, CCT +/- 40K to 70K, Duv +/- .001

**HOUSING**

Extruded aluminum with stainless steel hardware

**SAFETY & REGULATORY**

Can be used to comply with **Title 24 JA8 and JA10** requirements.  
 Contact ALW customer support today and we can help you with your project requirements.

ETL Listed (U.S. & Canada). Suitable for wet locations.  
 Conforms to UL 1598, 2108, 8750  
 Certified to CSA std. CSA C22.2# 9 & #250.0

**OPERATING TEMPERATURE**

Luminaire should be installed and operated **ONLY** in environments where the ambient temperature ranges from -4°F to 104°F (-20°C to 40°C). Luminaire operation in environments outside the listed temperature range voids the warranty AND may damage the product or adversely impact lamp life, lumen output and color consistency.

**CONTROLS & LED DRIVER**

ALW lighting fixtures are intended for use with a wide range of sensors, lighting controls, LED drivers, and building management systems. Our component portfolio is continually expanding to adopt to the latest technologies and specification needs. If there's a component or system needed that you don't see on the spec sheet please contact ALW customer support today so we can review your requirements.

**WARRANTY**

LIMITED WARRANTY. Visit [alwusa.com/warranty](http://alwusa.com/warranty) for more information.

**WEIGHT**

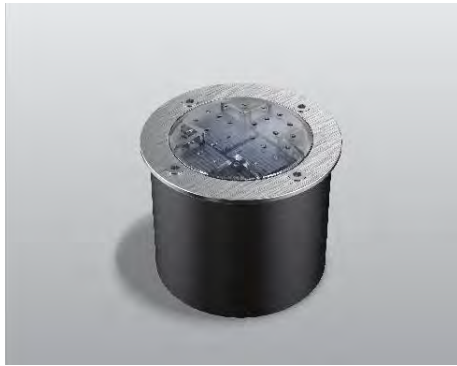
CORE/WL 6			
PENDANT	SURFACE MOUNT	SCONCE	YOKE
9 lbs/ 4.1 kg	9 lbs/ 4.1 kg	9 lbs/ 4.1 kg	9 lbs/ 4.1 kg

Specification

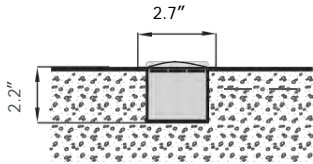
ADVANCED HIGH CEILING

# SH-200 - Solar LED Ground Lights

Water Proof / No Wiring



METEOR Solar LED Ground lights incorporate state-of-the-art technology, combining the best solar panels, power storage and optical design to create products that will function for years to come.



Quantity
Project
Note
Type

**General**  
 Weight: 0.55 lbs  
 Rim Finish: Brushed/Polished stainless steel; Optional: SUS316 stainless steel / Brass  
 Lens: GE super light permeable PC  
 Housing: SUS304 stainless steel, cast aluminum  
 Power Storage: Ultracapacitor

**Operational**  
 Operation Time: Minimum 12 hours (fully charged) 4-8 hours (overcast)  
 Full Charge Time: 6 hours (direct sunlight)  
 Switch: Light sensitive auto on/off

**Environmental**  
 Compressive Strength: 9902 lbs/4456 kgs(maximum)  
 Operating Temperature: -4° F to 140° F  
 Storage Temperature: -13° F to 176° F

**Warranty**  
 3 year limited warranty. See [www.meteor-lighting.com](http://www.meteor-lighting.com) for details.



### How To Specify

Ordering Example: SH200C-AMB-BS

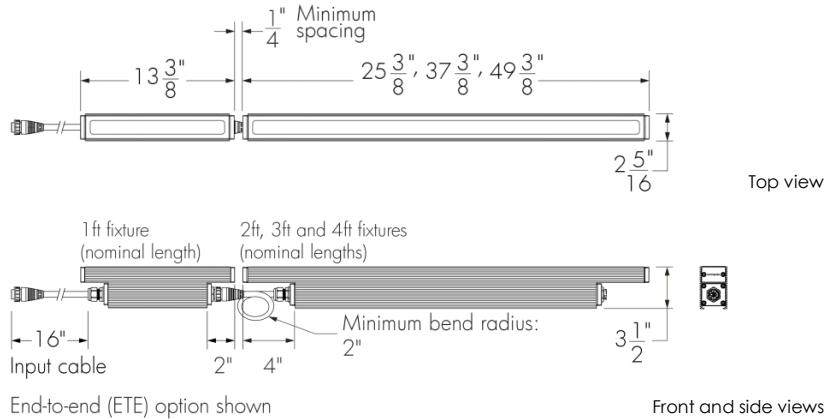
Model	CCT	Finish	Housing
SH200C (Product)	AMB (Amber)	BS (Brushed Stainless Steel)	HS* (Housing)
SH200B (Battery sample)	BLU (Blue)	PS (Polished Stainless Steel)	
	GEN (Green)	SS (SUS316 Stainless Steel)	
	RED (Red)	BR (Brass)	
	WHT (White/5500-6000K)		
	WAM (Warm White/2800-3000K)		* Anchor Plate Not Included

*Color	LUX(Average)
White	25
Amber	25
Red	50
Blue	20
Green	55
Warm White	25

Specification Sheet

**lumenfacade**  
 LOG  
 WHITE AND STATIC COLORS

Project Name \_\_\_\_\_ Qty \_\_\_\_\_  
 Type \_\_\_\_\_ Catalog / Part Number \_\_\_\_\_

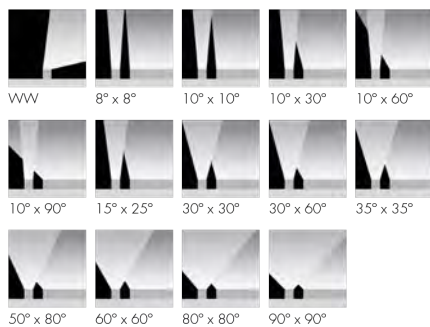


**Photometric Summary**

	Delivered output (lm)	Intensity (peak cd)
<b>WW</b>	3,592	5,159
<b>8°x8°</b>	4,045	77,896
<b>10°x10°</b>	3,830	38,346
<b>10°x30°</b>	3,885	30,056
<b>10°x60°</b>	3,984	17,736
<b>10°x90°</b>	3,576	7,897
<b>15°x25°</b>	3,880	24,730
<b>30°x30°</b>	3,765	14,726
<b>30°x60°</b>	3,848	5,106
<b>35°x35°</b>	3,921	9,999
<b>50°x80°</b>	3,767	3,449
<b>60°x60°</b>	3,435	3,007
<b>80°x80°</b>	3,881	2,530
<b>90°x90°</b>	3,588	1,886

Based on HO 4000K, 4ft [1219mm] configuration.  
 Photometric performance is measured in compliance with IESNA LM-79-08.

**Optics**



**Description**

The Lumenfacade is a high-performance linear LED luminaire for grazing or floodlighting exterior walls and facades. Featuring second generation LED technology, the luminaire is available in 12 in, 24 in, 36 in or 48 in sections, and can be configured with a wide number of options, including: optics for grazing or flood lighting; a choice of outputs (ASHRAE 5 W/ft, RO 8.5 W/ft or HO 15.25 W/ft); various color temperatures or static colors; various mounting options, finishes, accessories and controls. The Lumenfacade is also available with a unique asymmetric wallwash distribution, providing exceptional uniformity and brightness for walls and signage.

**Features**

<b>Color and Color Temperature</b>	2200K, 2700K, 3000K, 3500K, 4000K, Red, Green, Blue
<b>Length (nominal)</b>	12 in, 24 in, 36 in, 48 in
<b>Optics</b>	Asymmetric Wallwash, 8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 15° x 25°, 30° x 30°, 30° x 60°, 35° x 35°, 50° x 80°, 60° x 80°, 80° x 80°, 90° x 90°
<b>Options</b>	End-to-end configuration (factory installed 16 in black input cable included), Corrosion-resistant coating for hostile environments, 3G ANSI C136.31-2010 Vibration Rating for bridge applications, CE (certification covers European Economic Area)
<b>Power Consumption</b>	5 W/ft (meets ASHRAE standards for linear lighting on building facades - not available for 12 in fixture lengths), 8.5 W/ft (RO version), 15.25 W/ft (HO version), Typically 20% higher for 12 in fixture lengths
<b>Warranty</b>	5-year limited warranty
<b>Performance</b>	
<b>Illuminance at Distance</b>	Minimum 1 fc at 133 ft (HO 4000K, 48 in fixture, 10° x 60°, DMX/RDM)
<b>Color Consistency</b>	2 SDCM, 3 SDCM (2200K)

## Specification Sheet

**lumenfacade**  
 LOG  
 WHITE AND STATIC COLORS

### Colors and Color Temperatures



### Controls

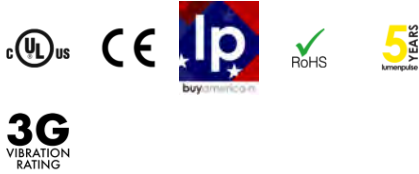
ON/OFF    0-10V    DALI



### Ratings

IP66    IK07\*  
 \*asymmetric wallwash lens is IK06 rated

### Certifications



**Color Rendering** Minimum CRI 80

**Lumen Maintenance** L70 280,000 hrs, L95 35,000 hrs

### Physical

**Housing Material** Low copper content extruded aluminum

**Lens Material** Clear tempered glass

**Hardware Material** Stainless steel

**End Cap Material** Machined aluminum

**Gasket Material** Silicone

**Surface Finish** Electrostatically applied polyester powder coat

**Weight** 12 in: 4.5 lbs, 24 in: 7 lbs, 36 in: 10.5 lbs, 48 in: 14 lbs

### Electrical and control

**Voltage** 100 to 277 volts, 347 volts available (consult factory for details)

**Fixture Cable** Power and data in one cable, End-to-end option (ETE): 16 in black input cable (no jumper cable needed for minimum spacing between two fixtures)

**Leader Cable Conductor** 5C #16-5

**Maximum Cable and Fixture Run Length** 252 ft (On/Off, 277V, RO version), 164 ft (On/Off, 277V, HO version)

**Control** On/Off control, Lumentalk, 0-10V dimming, DALI dimming, Lutron® EcoSystem® Enabled dimming, DMX/RDM enabled

**Resolution (DMX/RDM)** Per foot or per fixture (configured with LumenID V3 software), 8-bit or 16-bit

### Environmental

**Storage Temperature** -40 °F to 185 °F (device must reach start-up temperature value before operating)

**Start-up Temperature** -13 °F to 122 °F

**Operating Temperature** -40 °F to 122 °F

**Ingress Protection Rating** IP66, Wet location rated

**Impact Resistance Rating** IK07 (asymmetric wallwash lens is IK06 rated)

### Accessories (order separately)

**Optical Accessories** Lumenfacade Radial Louver

**Cables** Leader cable (standard), Jumper cable (standard), Leader cable (ETE), Jumper cable (ETE)

**Control Boxes** DMX/RDM enabled (daisy chain or star configuration), Ethernet enabled (daisy chain or star configuration), Lumentalk Data Bridge

**Control Systems** Lumentone™ 2 (LTN2), Pharos® kit (PHAROS)

**Diagnostic and Addressing Tools** LumenID (LID), LumentalkID

**Specification Sheet**

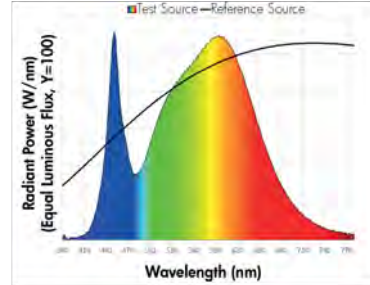
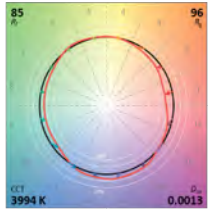
**lumenfacade**  
 LOG  
 WHITE AND STATIC COLORS

**Chromaticity Data**

TM-30 - 4000K

Spectral Power Distribution

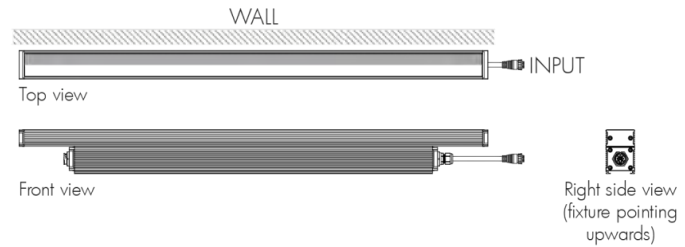
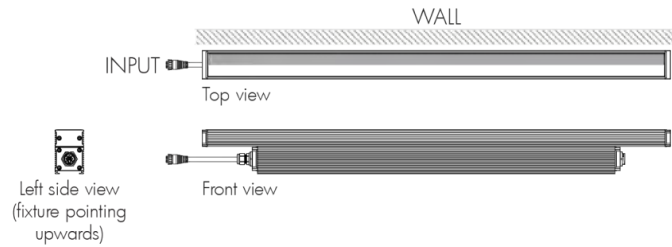
CCT	CIE		TM-30	
4000K	R <sub>a</sub>	83	85	R <sub>f</sub>
	R <sub>v</sub>	14	96	R <sub>g</sub>



**Asymmetric wallwash optic details**

WWLF - Asymmetric wallwash optic, left feed

WWRF - Asymmetric wallwash optic, right feed



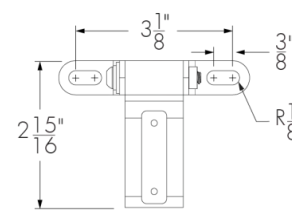
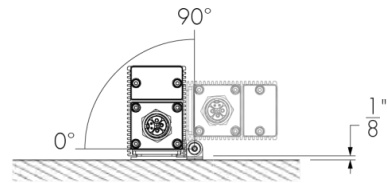
- Always position frosted side toward the wall.
- Fixture's feeding side is based on uplight installations. Feeding sides are reversed when fixture is used in a downlight application.
- Recommended setback from wall is 1/10 of the wall height. Example: 2 ft setback for a 20 ft wall.

**Mounting options**

Surface Mount

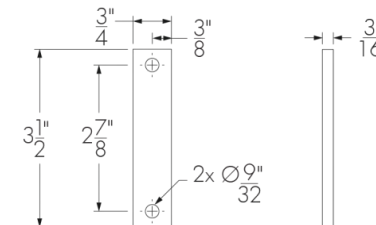
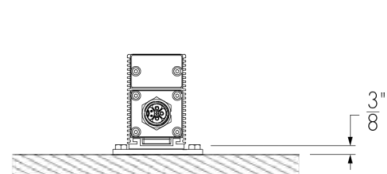
SAM - Slim Adjustable Mounting

SAM - Mounting hole pattern



UMP - Fixed Mounting

UMP - Mounting hole pattern

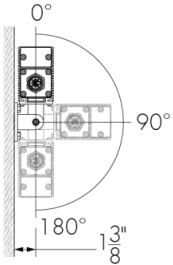


**Specification Sheet**

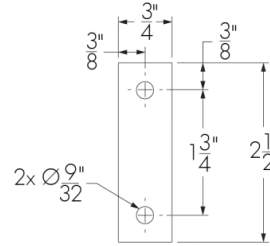
**lumenfacade**  
 LOG  
 WHITE AND STATIC COLORS

**Wall Mount**

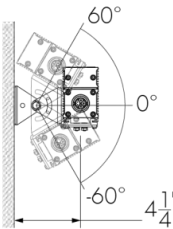
**UMAS - Universal Adjustable Mounting**



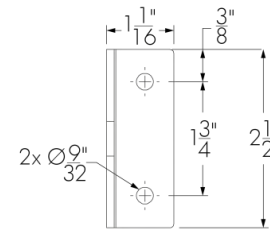
**UMAS - Mounting hole pattern**



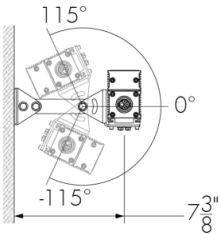
**WAM2 - Adjustable Wall Mounting 2 in**



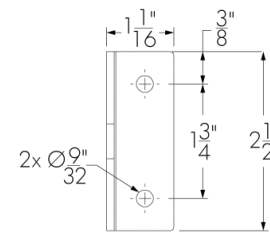
**WAM2 - Mounting hole pattern**



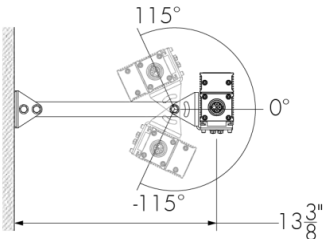
**WAM6 - Adjustable Extended Arm Mounting 6 in**



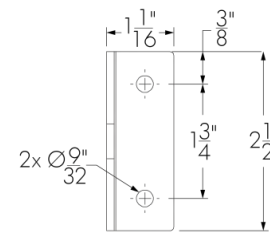
**WAM6 - Mounting hole pattern**



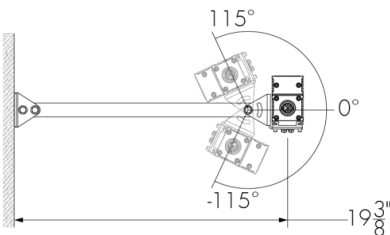
**WAM12 - Adjustable Extended Arm Mounting 12 in**



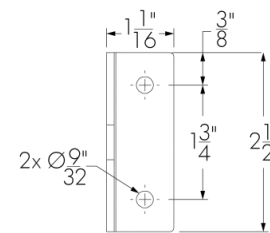
**WAM12 - Mounting hole pattern**



**WAM18 - Adjustable Extended Arm Mounting 18 in**



**WAM18 - Mounting hole pattern**

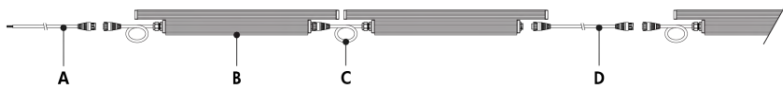




**Specification Sheet**

**lumenfacade**  
 LOG  
 WHITE AND STATIC COLORS

**End-to-end configuration option (ETE)**

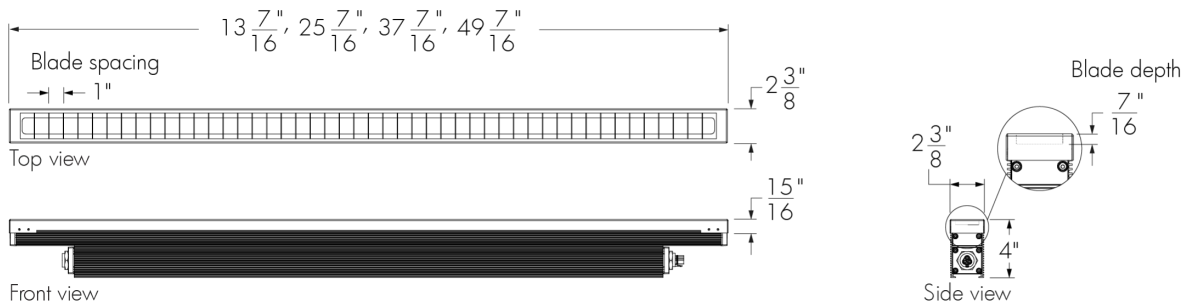


- A - ETE leader cable (order separately)
- B - Lumenfacade with ETE option
- C - ETE 1/6 in black input cable (minimum bend radius: 2 in)
- D - ETE jumper cable (order separately)

Includes a factory installed 1/6 in black input cable. A jumper cable is not required for minimum spacing between two end-to-end (ETE) fixtures. An ETE jumper cable is required only if a longer distance between two adjacent ETE fixtures is needed, or to connect two continuous runs of ETE fixtures together.

**Optical accessories (order separately)**

**LOGRD - Radial louver for Lumenfacade**



**LOGRD-LENGTH-FINISH-OPTIONS**

Please specify:

**LENGTH:** 12 in, 24 in, 36 in or 48 in; **FINISH:** BK - Black Sandtex®, BRZ - Bronze Sandtex®, SI - Silver Sandtex®, WH - Smooth white or CC - custom color and finish (please specify RAL color); **OPTIONS:** CRC - Corrosion-resistant coating for hostile environments

- The addition of a louver will affect beam distribution. Consult factory for application support.
- Not suitable for asymmetric wallwash optic.

**EPA Guide**

**Fixture**

	LOG 12 in	LOG 24 in	LOG 36 in	LOG 48 in
<b>EPA front (sq ft)</b> 	0.274	0.579	0.980	1.386
<b>EPA side (sq ft)</b> 	0.040	0.040	0.044	0.047

**Fixture with radial louver accessory**

	LOG 12 in	LOG 24 in	LOG 36 in	LOG 48 in
<b>EPA front (sq ft)</b> 	0.322	0.656	1.137	1.720
<b>EPA side (sq ft)</b> 	0.045	0.047	0.052	0.055

## Specification Sheet

**lumenfacade**  
 LOG  
 WHITE AND STATIC COLORS

### Cables (order separately)

#### LOGLC - Leader cable for Lumenfacade



Standard construction

LOGLC-CERTIFICATION-STD-LENGTH-CABLE COLOR



End-to-end (ETE) option

LOGLC-CERTIFICATION-ETE-LENGTH-CABLE COLOR

Please specify:

**CERTIFICATION:** UL or CE; **LENGTH:** 10 ft, 25 ft, 50 ft, 100 ft, 150 ft or 200 ft; **CABLE COLOR:** black or white (connectors are black as standard; ETE fixture input cables are black as standard)

- Suitable for dimming/data and non-dimming applications.
- Sealing end cap is mandatory for any unused connector. One (1) included with every leader cable.
- Consult Lumenfacade leader cable specification sheet for details.

#### LOGJC - Jumper cable for Lumenfacade



Standard construction

LOGJC-CERTIFICATION-STD-LENGTH-CABLE COLOR



End-to-end (ETE) option

LOGJC-CERTIFICATION-ETE-LENGTH-CABLE COLOR

Please specify:

**CERTIFICATION:** UL or CE; **LENGTH:** 1 ft (available for ETE option only), 2 ft to 30 ft (available in 1 ft increments) or 50 ft; **CABLE COLOR:** black or white (connectors are black as standard; ETE fixture input cables are black as standard)

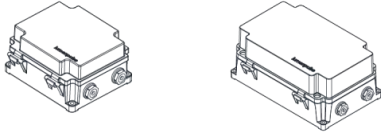
- Suitable for dimming/data and non-dimming applications.
- Consult Lumenfacade jumper cable specification sheet for details.

## Specification Sheet

**lumenfacade**  
 LOG  
 WHITE AND STATIC COLORS

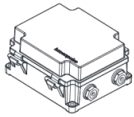
### Control boxes (order separately)

#### CBX-DMX/RDM - DMX/RDM enabled (daisy chain or star configuration)



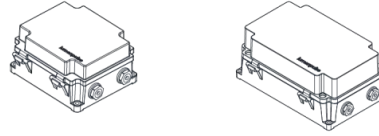
DMX/RDM control box. Up to six power and data outputs to fixtures or fixture runs. Consult CBX specification sheet and installation instructions for details. Lumenterminators provided with CBX (2x for daisy chain configuration, 6x for star configuration), consult factory to order spares.

#### LDB - Lumentalk Data Bridge



Lumentalk Data Bridge, 0-10V or DMX output. Consult LDB specification sheet for details.

#### CBX-ENET - Ethernet enabled (daisy chain or star configuration)



Ethernet control box. Up to four power and data outputs to fixture or fixture runs. Consult Ethernet CBX specification sheet and installation instructions for details.

### Control systems (order separately)

#### LTN2 - Lumentone™ 2



Lumentone 2 is a simple pre-programmed DMX 512 controller with a push button rotary dial and live feedback.

#### PHAROS - Pharos® kit



The Pharos kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations. 2 DMX universes kit shown.

### Diagnostic and addressing tools (order separately)

#### LID - LumenID



LumenID is a diagnostic and addressing DMX/RDM tool. It must be specified on all DMX applications. Consult LID specification sheet for details.

#### LID-LT - LumentalkID



LumentalkID is a diagnostic and addressing tool. It must be specified for all Lumentalk (LT) applications. Consult LID-LT specification sheet for details.

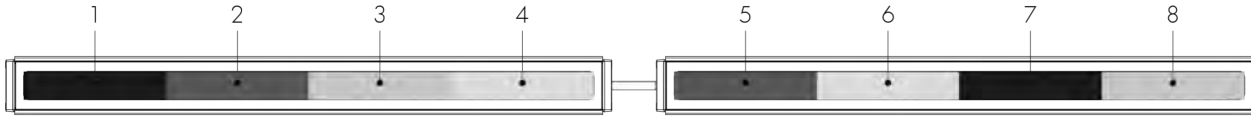
**Specification Sheet**

**lumenfacade**  
 LOG  
 WHITE AND STATIC COLORS

**Resolution details**

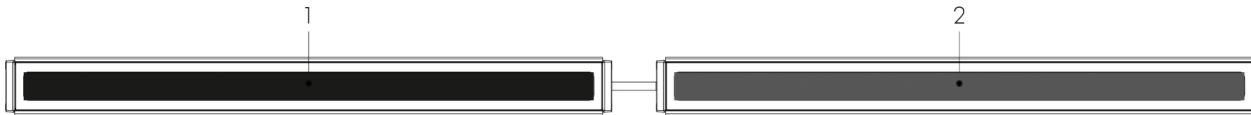
DMX/RDM control, resolution per foot: each 12 in section is addressed independently

DMX addresses:



DMX/RDM control, resolution per fixture: each fixture is addressed independently

DMX addresses:



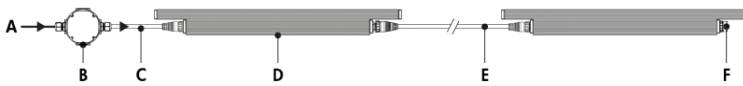
- 48 in fixtures shown.
- Applicable for DMX/RDM control option only. Fixture resolution can be configured on-site within the LumenID V3 software. A DMX/RDM enabled CBX is required.

**Typical wiring diagrams**

**Wiring color code**

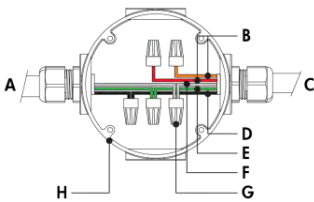
UL Color Code	USE
Green	Ground
Black	Line
White	Line/Neutral
Red or Purple	0-10V / Data +
Orange	0-10V / Data -

**On/Off Control (NO)**



- A - Power input (100-277V, wiring by others)
- B - Junction box (by others)
- C - Leader cable (LOGLC)
- D - Lumenfacade
- E - Jumper cable (LOGJC)
- F - Sealing end cap

**On/Off Control (NO) - wiring detail**



- A - Power input
- B - Not required
- C - To fixture
- D - Line
- E - Ground
- F - Line/Neutral
- G - Wire-nuts (by others)
- H - Junction box (by others)

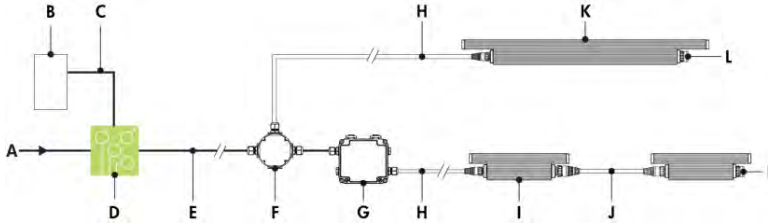
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- ASHRAE version (not available for 12 in fixture lengths): 5 W/ft; Regular Output version: 8.5 W/ft; High Output version: 15.25 W/ft.

**Specification Sheet**

**lumenfacade**  
 LOG

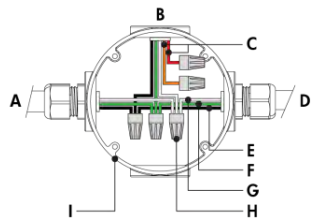
WHITE AND STATIC COLORS

**Lumentalk (LT)**



- A** - Power input (100-277V AC, wiring by others)
- B** - Dimmer/controller (order separately from Lumenpulse, or by others)
- C** - Data wiring (by others)
- D** - Lumentranslator 2 (LTL2-DIM, -DMX, -TRIAC, -DALI)
- E** - Power wiring (by others)
- F** - Junction box (by others)
- G** - Lumentalk Data Bridge (LDB-DIM or LDB-DMX)
- H** - Leader cable (LOGLC)
- I** - Lumenfacade 12 in
- J** - Jumper cable (LOGJC)
- K** - Lumenfacade (24 in, 36 in or 48 in fixture lengths)
- L** - Sealing end cap

**Lumentalk (LT) - wiring detail**

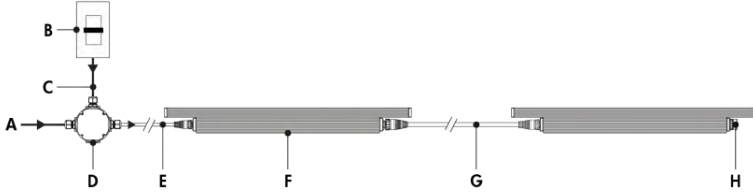


- A** - Power input (control over power line via Lumentalk system)
- B** - To fixture
- C** - Not required
- D** - To Lumentalk Data Bridge (for run lengths with 12 in fixtures)
- E** - Line
- F** - Ground
- G** - Line/Neutral
- H** - Wire-nuts (by others)
- I** - Junction box (by others)

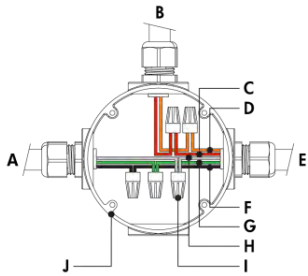
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk Data Bridge required for 12 in fixture lengths, see LDB installation instructions for details.
- For applications with all fixtures controlled as 1 zone: fixtures and Lumentalk Data Bridge must be specified as DIM. Maximum of 10 fixtures per LDB-DIM, consult factory for applications that require additional capabilities.
- For applications with fixtures controlled individually: fixtures and Lumentalk Data Bridge must be specified as DMX, 2-step commissioning process: 1 - DMX/RDM system using LumenID software and a LID, 2 - Lumentalk system using LumentalkID software and a LID-LT. Maximum of 32 fixtures per LDB-DMX. Consult factory for details.
- For DMX applications: 1 DMX controller per Lumentalk network, maximum of 48 DMX channels per Lumentalk network (minimum step transition update rate is 1 second, minimum fade time between two colors is 1 minute). Consult factory for applications that require additional capabilities.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third party fixtures allowed on the same circuit.
- Consult factory for DALI Lumentalk applications.
- 1% minimum dimming value.
- ASHRAE version (not available for 12 in fixture lengths): 5 W/ft; Regular Output version: 8.5 W/ft; High Output version: 15.25 W/ft.

**Specification Sheet**

**lumenfacade**  
 LOG  
 WHITE AND STATIC COLORS

**0-10V dimming (DIM)**


- A - Power input (100-277V, wiring by others)
- B - Dimmer (by others)
- C - Data wiring (by others)
- D - Junction box (by others)
- E - Leader cable (LOGLC)
- F - Lumenfacade
- G - Jumper cable (LOGJC)
- H - Sealing end cap

**0-10V dimming (DIM) - wiring detail**


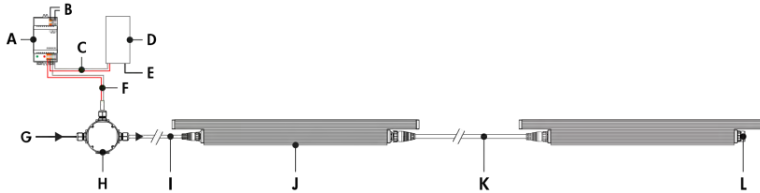
- A - Power input
- B - From dimmer (by others)
- C - 0-10 V +
- D - 0-10 V -
- E - To fixture
- F - Line
- G - Ground
- H - Neutral
- I - Wire-nuts (by others)
- J - Junction box (by others)

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink): 3 mA per fixture, active dimmer (Current Source): 0.5 mA per fixture.
- 1% minimum dimming value.
- ASHRAE version (not available for 12 in fixture lengths): 5 W/ft; Regular Output version: 8.5 W/ft; High Output version: 15.25 W/ft.

**Specification Sheet**

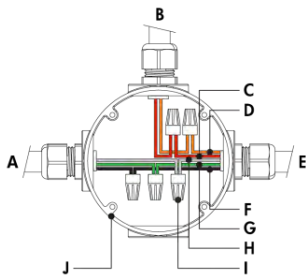
**lumenfacade**  
 LOG  
 WHITE AND STATIC COLORS

**DALI dimming (DALI)**



- A** - DALI bus power supply (by others)
- B** - Power input for DALI bus power supply (wiring by others)
- C** - Data output to DALI controller (wiring by others)
- D** - DALI controller (by others)
- E** - Power input for DALI controller (wiring by others)
- F** - Data output to fixture (wiring by others)
- G** - Power input (100-277V, wiring by others)
- H** - Junction box (by others)
- I** - Leader cable (LOGLC)
- J** - Lumenfacade
- K** - Jumper cable (LOGJC)
- L** - Sealing end cap

**DALI dimming (DALI) - wiring detail**



- A** - Power input
- B** - From DALI controller (by others)
- C** - DA +
- D** - DA -
- E** - To fixture
- F** - Line
- G** - Ground
- H** - Neutral
- I** - Wire-nuts (by others)
- J** - Junction box (by others)

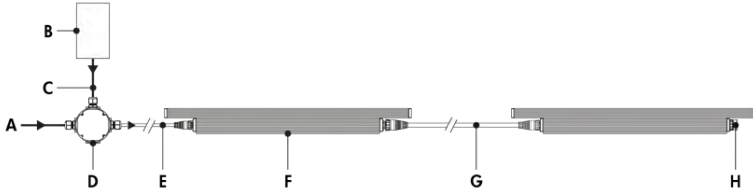
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- 1% minimum dimming value.
- ASHRAE version (not available for 12 in fixture lengths): 5 W/ft; Regular Output version: 8.5 W/ft; High Output version: 15.25 W/ft.
- Commissioning may be required based on the selection of 3rd party DALI controller. Controller and commissioning provided by others.

## Specification Sheet

## lumenfacade LOG

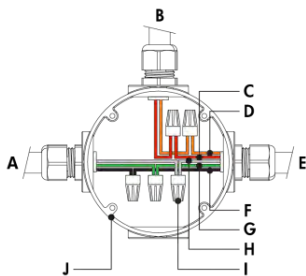
WHITE AND STATIC COLORS

### Lutron® EcoSystem® Enabled dimming (ES)



- A** - Power input (100-277V, wiring by others)
- B** - Lutron® EcoSystem® controller (by others)
- C** - Data wiring (by others)
- D** - Junction box (by others)
- E** - Leader cable (LOGLC)
- F** - Lumenfacade (24 in, 36 in or 48 in fixture lengths)
- G** - Jumper cable (LOGJC)
- H** - Sealing end cap

### Lutron® EcoSystem® Enabled dimming (ES) - wiring detail



- A** - Power input
- B** - From Lutron® EcoSystem® controller (by others)
- C** - Data +
- D** - Data -
- E** - To fixture
- F** - Line
- G** - Ground
- H** - Neutral
- I** - Wire-nuts (by others)
- J** - Junction box (by others)

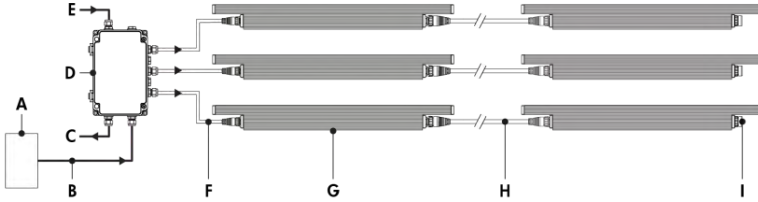
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Each Lutron® EcoSystem® enabled fixture has its own address; for the example shown, there are a total of 2 EcoSystem® addresses.
- 1% minimum dimming value.
- ASHRAE version (not available for 12 in fixture lengths): 5 W/ft; Regular Output version: 8.5 W/ft; High Output version: 15.25 W/ft.



**Specification Sheet**

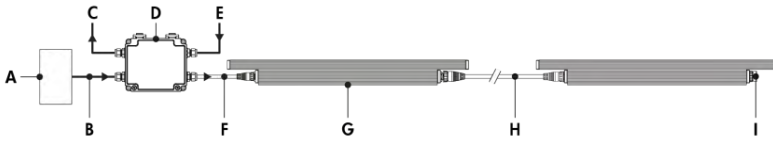
**lumenfacade**  
 LOG  
 WHITE AND STATIC COLORS

**Star Layout (DMX/RDM)**



- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-ST
- E - Power input (100-277V, wiring by others)
- F - Leader cable (LOGLC)
- G - Lumenfacade
- H - Jumper cable (LOGJC)
- I - Sealing end cap

**Daisy Chain Layout (DMX/RDM)**



- A - DMX/RDM controller (order separately from Lumenpulse, or by others)
- B - Data input (Belden 9841 or equivalent, by others)
- C - Data output to next CBX (optional, not isolated/not boosted)
- D - CBX-DS
- E - Power input (100-277V, wiring by others)
- F - Leader cable (LOGLC)
- G - Lumenfacade
- H - Jumper cable (LOGJC)
- I - Sealing end cap

**Maximum Run of Fixtures, Lumenfacade® LOG ASHRAE White & Static Colors 5 W/ft**

Voltage	120V	240V	277V
Maximum Run of Fixtures*		128ft	

**Maximum Run of Fixtures, Lumenfacade® LOG RO White & Static Colors 8.5 W/ft**

Voltage	120V	240V	277V
Maximum Run of Fixtures*	120ft	128ft	128ft

**Maximum Run of Fixtures, Lumenfacade® LOG HO White & Static Colors 15.25 W/ft**

Voltage	120V	240V	277V
Maximum Run of Fixtures*	68ft	80ft	88ft

Based on 15A maximum, 50ft leader cable.

\*Example: 120V = 120ft maximum run of end to end fixtures (30 fixtures maximum for 4ft LOG RO).

Based on 15A maximum, 50 ft leader cable.

- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations. Maximum run length calculations are typically based on 48 in fixtures.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST; maximum of 1 output per CBX-DS.
- Each fixture requires 1 DMX address.
- 1% minimum dimming value.
- ASHRAE version (not available for 12 in fixture lengths): 5 W/ft; Regular Output version: 8.5 W/ft; High Output version: 15.25 W/ft.

Specification Sheet

**lumenfacade**  
LOG

WHITE AND STATIC COLORS

**How to order**

Housing <sup>(2)</sup>	Voltage <sup>(3)</sup>	Length	Color and Color Temperature <sup>(5)</sup>	Optics	Mounting Options	Finish	Control	Options	Buy American Act
<b>LOG ASHRAE</b> Lumenfacade™, 5 W/ft ASHRAE compliant <sup>(1)</sup>  <b>LOG RO</b> Lumenfacade™ Regular Output, 8.5 W/ft  <b>LOG HO</b> Lumenfacade™ High Output, 15.25 W/ft	100 100 volts  120 120 volts  208 208 volts  220 220 volts  240 240 volts  277 277 volts	12 13 3/8 in (4.5 lbs) <sup>(2)</sup>  24 25 3/8 in (7 lbs)  36 37 3/8 in (10.5 lbs)  48 49 3/8 in (14 lbs)	22K 2200K  27K 2700K  30K 3000K  35K 3500K  40K 4000K  RD Red <sup>(4)</sup>  GR Green <sup>(4)</sup>  BL Blue <sup>(4)</sup>	<b>WWLF</b> Asymmetric Wallwash, left feed  <b>WWRF</b> Asymmetric Wallwash, right feed  8x8 8° x 8° <sup>(7)</sup>  10x10 10° x 10° <sup>(7)</sup>  10x30 10° x 30°  10x60 10° x 60°  10x90 10° x 90°  15x25 15° x 25°  30x30 30° x 30°  30x60 30° x 60°  35x35 35° x 35°  50x80 50° x 80°  60x60 60° x 60°  80x80 80° x 80°  90x90 90° x 90°	<b>SAM</b> Slim Adjustable Mounting  <b>BRZ</b> Bronze Sandtex®  <b>SI</b> Silver Sandtex®  <b>UMAS</b> Universal Adjustable Mounting (8)  <b>WAM2</b> Adjustable Wall Mounting 2 in  <b>WAM6</b> Adjustable Extended Arm Mounting 6 in  <b>WAM12</b> Adjustable Extended Arm Mounting 12 in  <b>WAM18</b> Adjustable Extended Arm Mounting 18 in	<b>BK</b> Black Sandtex®  <b>BRZ</b> Bronze Sandtex®  <b>SI</b> Silver Sandtex®  <b>WH</b> Smooth white  <b>CC</b> Custom color and finish (please specify RAL color) <sup>(9)</sup> <sup>(10)</sup> <sup>(11)</sup>	<b>NO</b> On/Off control  <b>LT</b> Lumentalk (4) (12) (13)  <b>DIM</b> 0-10V dimming  <b>DALI</b> DALI dimming  <b>ES</b> Lutron® EcoSystem® Enabled dimming (14)  <b>DMX/RDM</b> DMX/RDM enabled (15)	<b>ETE</b> End-to-end configuration (factory installed 16 in black input cable included)  <b>CRC</b> Corrosion-resistant coating for hostile environments <sup>(16)</sup> <sup>(17)</sup>  <b>3GV</b> 3G ANSI C136.31-2010 Vibration Rating for bridge applications <sup>(18)</sup>  <b>CE</b> CE (certification covers European Economic Area) <sup>(19)</sup>	<b>BAA</b> Buy American <sup>(20)</sup> <sup>(21)</sup>

Notes:

- ASHRAE version not available for 12 in fixture lengths.
- Power consumption is typically 20% higher for 12 in fixture lengths.
- 347 volts available, consult factory for details.
- To connect 12 in fixture lengths to the Lumentalk system, DIM or DMX/RDM must be specified as the control option, and a Lumentalk Data Bridge (LDB) is required. See the typical wiring diagrams in the specification sheet for details.
- Consult factory for availability of static Royal Blue, 6500K and 90+ CRI.
- Static colors made to order 8-10 weeks.
- For best results use with HO fixtures of a 6 in setback from surface. Contact factory for application support.
- Suitable to use when 3GV option is specified.
- Lumenpulse offers a wide selection of RAL CLASSIC (K7) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.
- Setup charges apply for RAL colors. Consult factory for details.
- Longer lead times can be expected for custom RAL color finishes.
- Available for 24 in, 36 in and 48 in fixture lengths only.
- A Lumentranslator 2 (LTL2) and LumentalkID (LIDL2) must be specified for Lumentalk applications. Consult Lumentranslator 2 and Lumentalk pages and specification sheets for details.
- Available for 24 in (ASHRAE and RO only), 36 in and 48 in fixture lengths only.
- A control box (CBX) and LumenID (LID) must be specified.
- Use only when exposed to salt spray. This option is not required for normal outdoor exposure.
- Setup charges apply. Consult factory for details.
- Available with UMP and UMAS mounting options only.
- Consult European specification sheet and installation instructions for CE wiring information.
- Not available with CE certification option.
- Contact your Lumenpulse Sales Representative for more information on order volume details.

## MILLENNIUM™ OVAL

### MO13 SERIES – HORIZONTAL LOW PROFILE

**PRODUCT FEATURES:**

- » Surface mount – ceiling; 13"Wx9"Hx4"D
- » Aluminum baseplate with UV-stabilized high impact lens
- » Peace of Mind Guarantee® against breakage
- » ADA Compliant
- » Tested to IESNA LM-79-08 standards



**PROJECT INFORMATION**

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

Approved by \_\_\_\_\_

**SPECIFICATIONS**

**BASEPLATE:** Marine grade die-cast aluminum. Integral heat sinks. Baseplate flange interlocks and wraps around lens base producing maximum moisture deflection and resistance to prying. Baseplate provided with four-point mounting holes, one wireway hole and temporary junction box mounting capabilities. Standard matte black, dark bronze or matte white exterior TGIC polyester powder coat – 5-step pre-treatment. See Ordering Information for optional finishes.

**REFLECTOR:** Full reflector/wire cover – 92% reflectivity.

**LENS:** UV-stabilized, high impact resistant, virgin injection molded polycarbonate. High efficiency blondel fluted lens maximizes uniformity. Close tolerance mating of injection molded lens and lens base facilitates set up and installation. Lens and lens base secured with two concealed captive Torx® with center pin fasteners.

**LENS BASE/GRILLE:** High impact resistant, injection molded matte black, dark bronze or matte white polycarbonate. Optional Light Gray, Silver, Forest Green or Custom Color (see Ordering Information below) are chemically bonded, impact resistant finishes.

**EYELID:** High impact resistant, injection molded opaque black, bronze or white polycarbonate. Internal rib reinforced design. Eyelid shields lamp from viewing angle and provides backlight. For optional chemically bonding, impact resistant finishes, see Ordering Information.

**GASKETING:** Die-cut, closed cell neoprene self adhesive gasket seals baseplate to mounting surface. Closed cell, silicone "O" ring gaskets positioned and friction secured in gasket channels of lens base, baseplate and optional surface adapter.

**HARDWARE:** Two stainless steel Torx® T-20 with center pin fasteners.

**ELECTRICAL:** Available in 3500K, 4000K, and 5000K color temperatures, 80 CRI. 120-277VAC, 50/60Hz electrical input with high power factor electronic, constant-current driver (>.90 PF). Standard 0-10V dimming with 1-100% range; maximum driver source of 200 µA.

**SENSOR & CONTROLS:** Optional sensor available with compatible third party controls. To see the full list of compatible controls, [click here](#).

**PHOTOMETRICS:** Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For additional photometric information, go to [www.kenall.com](http://www.kenall.com).

**WARRANTY:** Limited five (5) year LED warranty. [Peace of Mind Guarantee against breakage](#).

**LISTINGS:** Luminaire is certified to UL Standards by either Underwriters Laboratory or Intertek Laboratory for Wet Location (includes Emergency Battery Pack "LEL" option). UL certified IP64 per IEC 60598. ADA compliant.



**ORDERING INFORMATION (Ex: MO13HL-PP-DB-16L40K-DV)**

Model	Lens Type	Finish	Lamp Type	Voltage	Options	Accessories
<b>PP</b>						
<b>Model</b>			<b>Lamp Type</b>	<b>Custom 3000K C.C.T</b>	<b>Options</b>	
MO13HL	Eyelid		MO13HL		LEL-SA LED Emergency Battery Backup with Die-cast Surface Adapter (SA) - Non ADA (n/a with 347V)	
MO13HBL	Bar		8L35K 8 Watt 3500K LED		BPC-SA Photo Control – Shielded Button Type with Die-cast Surface Adapter (SA) - Non ADA (120V or 277V only)	
			8L40K 8 Watt 4000K LED		FS Single Fuse & Holder	
			8L50K 8 Watt 5000K LED		NAT Natatorium Environment Option	
			16L35K 16 Watt 3500K LED			
			16L40K 16 Watt 4000K LED			
			16L50K 16 Watt 5000K LED			
<b>Lens Type</b>						<b>Accessories</b>
PP	Pearlescent Polycarbonate					SA Die-Cast Surface Adapter – Non ADA
<b>Finish</b>						
DB	Dark Bronze					
FG	Forest Green					
LG	Light Gray					
MB	Matte Black					
MW	Matte White					
SL	Silver					
CC	Custom Color (Consult factory)					
			<b>MO13HBL</b>			
			10L35K 10 Watt 3500K LED			
			10L40K 10 Watt 4000K LED			
			10L50K 10 Watt 5000K LED			
			20L35K 20 Watt 3500K LED			
			20L40K 20 Watt 4000K LED			
			20L50K 20 Watt 5000K LED			
			<b>Voltage</b>			
			120 120 Volts			
			277 277 Volts			
			347†* 347 Volts			
			DV† 120-277 Volts			

† n/a with BPC  
 \* When 347V is ordered, fixture will be supplied with Die-Cast Surface Adapter (SA) — Non ADA

## MILLENNIUM™ OVAL

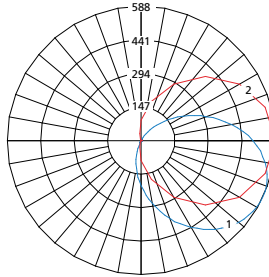
### MO13 SERIES – HORIZONTAL LOW PROFILE

#### PERFORMANCE

Model	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (hrs)
		@ 25°C (lm)	Efficacy (lm/W)			
MO13HL	8L35K	963	84	11	75	85,000
	8L40K	963	84	11	75	85,000
	8L50K	1,050	92	11	75	85,000
	16L35K	1,574	79	20	150	85,000
	16L40K	1,574	79	20	150	85,000
	16L50K	1,716	86	20	150	85,000
MO13HBL	10L35K	931	71	13	75	85,000
	10L40K	931	71	13	75	85,000
	10L50K	1015	77	13	75	85,000
	20L35K	1796	75	24	150	85,000
	20L40K	1796	75	24	150	85,000
	20L50K	1958	82	24	150	85,000

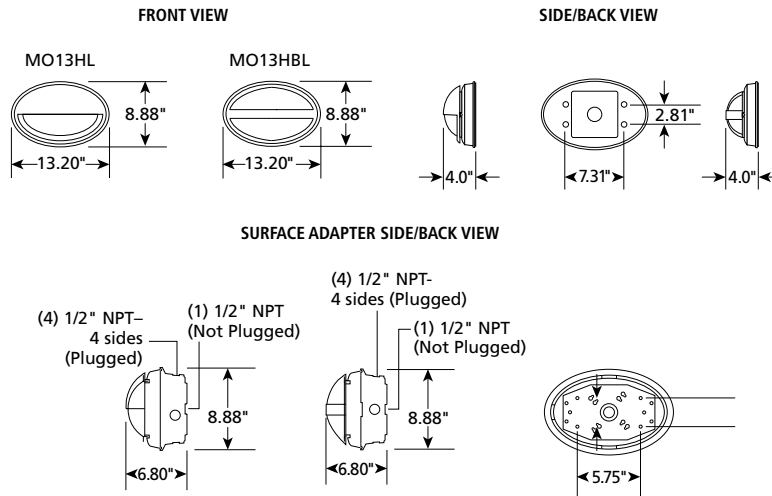
Info subject to change. Visit [www.kenall.com](http://www.kenall.com) for IES files and additional information.

Model: MO13HL-PP-MW-16L40K-DV



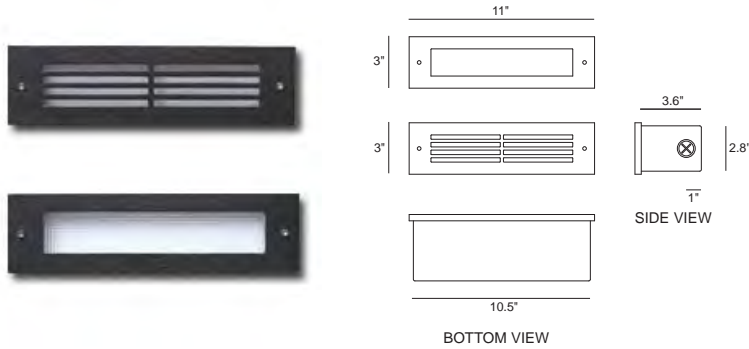
Max Candela = 588 Located At Horizontal Angle = 0, Vertical Angle = 65  
 — 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)  
 — 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

#### DIMENSIONAL DATA



**REBELLE**  
 ARCHITECTURAL  
 LIGHTING

\*Reuse existing backbox, LED components and faceplate match original series backbox and are compatible



# Sightlines 2400LED Mini Step/Path Low Level Area Light EXTERIOR

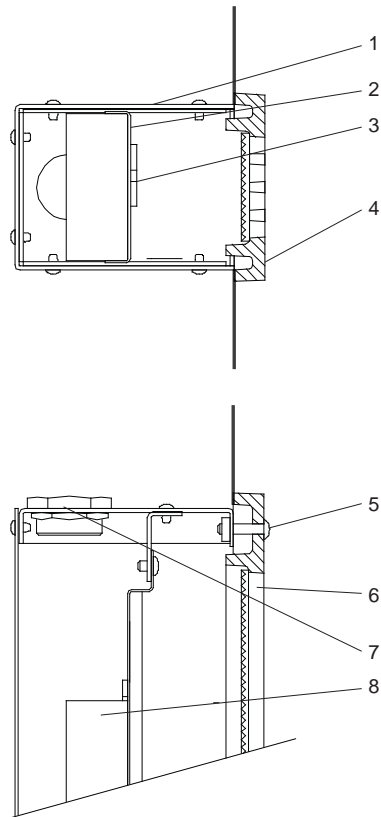
MODEL	LED	COLOR TEMPERATURE	VOLT	FACEPLATE	OPTIONS	COLOR
2400	7L	20 x 0.21 watts 600 lumens <sup>1</sup>	40* 30	4000K 3000K	120* 208 240 277	LV* slotted PR open
					DIM	dimming driver (0-10 volt)
						WT white texture BT black texture SM silver metallic AN aluminum natural BZ bronze GM gunmetal WS white satin BM black matte RAL specify no.

\*Standard configuration unless otherwise specified <sup>1</sup> Source lumens

SAMPLE CATALOG NUMBER: 2400 - 7L - 40 - 120 - LV - WT

Using this catalog number would order 1 model 2400 low level area light with 20 x 0.21 watt LEDs with a color temperature of 4000K wired to 120 volts and a slotted faceplate painted with white texture polyester powder coat.

CONSTRUCTION	MOUNTING	OPTICAL	PROTECTION
<p>Materials</p> <p>Faceplate: Cast aluminum. Housing: .064" aluminum protected with high gloss white polyester powder coat.</p> <p>Reflector: High gloss white, formed aluminum. Lens: Open - Tempered, sealed prismatic glass. Louvered face: Prismatic polycarbonate.</p> <p>Suitable for through branch circuit conductors, suitable for 90°C. (2) - 1/2 NPT plugs, neoprene rubber gaskets.</p> <p>LED driver: Constant current, 350mA. LED boards &gt;82 CRI.</p>	<p>The Sightlines 2400LED series is designed for concrete pour installations and hollow wall construction. Units are non IC rated so the insulation, if any, must be kept 3" away from the housing and the housing should have 1/2" clearance all around except at the mounting points/surface. See Installation Instructions on the Rebelle website for further details. Conduits must be sealed against water entry into the fixture housing as outlined in the National Electric Code.</p>	<p>The Sightlines 2400LED units are offered with slotted or open faceplates. A white polyester powder coated reflector directs light output. Reflector is sealed behind faceplate assembly so that water and other contaminants are excluded.</p>	<p>The Sightlines 2400LED series is listed for use in wet locations within four feet of the ground to CSA and UL standards. Conduit must be sealed to exclude water from entering the housing.</p>



Concrete Pour & Hollow  
 Wall Applications

## Sightlines 2400LED Detailed Product Description

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>1 Housing .064" Aluminum Protected with White Polyester Powder Coat</li> <li>2 Reflector - High Gloss White - .036" Thick</li> <li>3 LED Module</li> <li>4 Cast Aluminum, Gasketted Face Plate</li> <li>5 (2) Stainless Steel, Cap Screws - Captive</li> </ul> | <ul style="list-style-type: none"> <li>6 Sealed Prismatic Polycarbonate Lens - .125" Thick or Prismatic Tempered Glass Lens "PR" Option</li> <li>7 1/2 NPT Plugs (2) - Suitable for 4 No. 12 AWG Through Branch Circuit Conductors Suitable for 90°C.</li> <li>8 LED Driver - Constant Current</li> </ul> |
|---|---|

## **Appendix B Existing Drawings**

See following pages from existing drawings

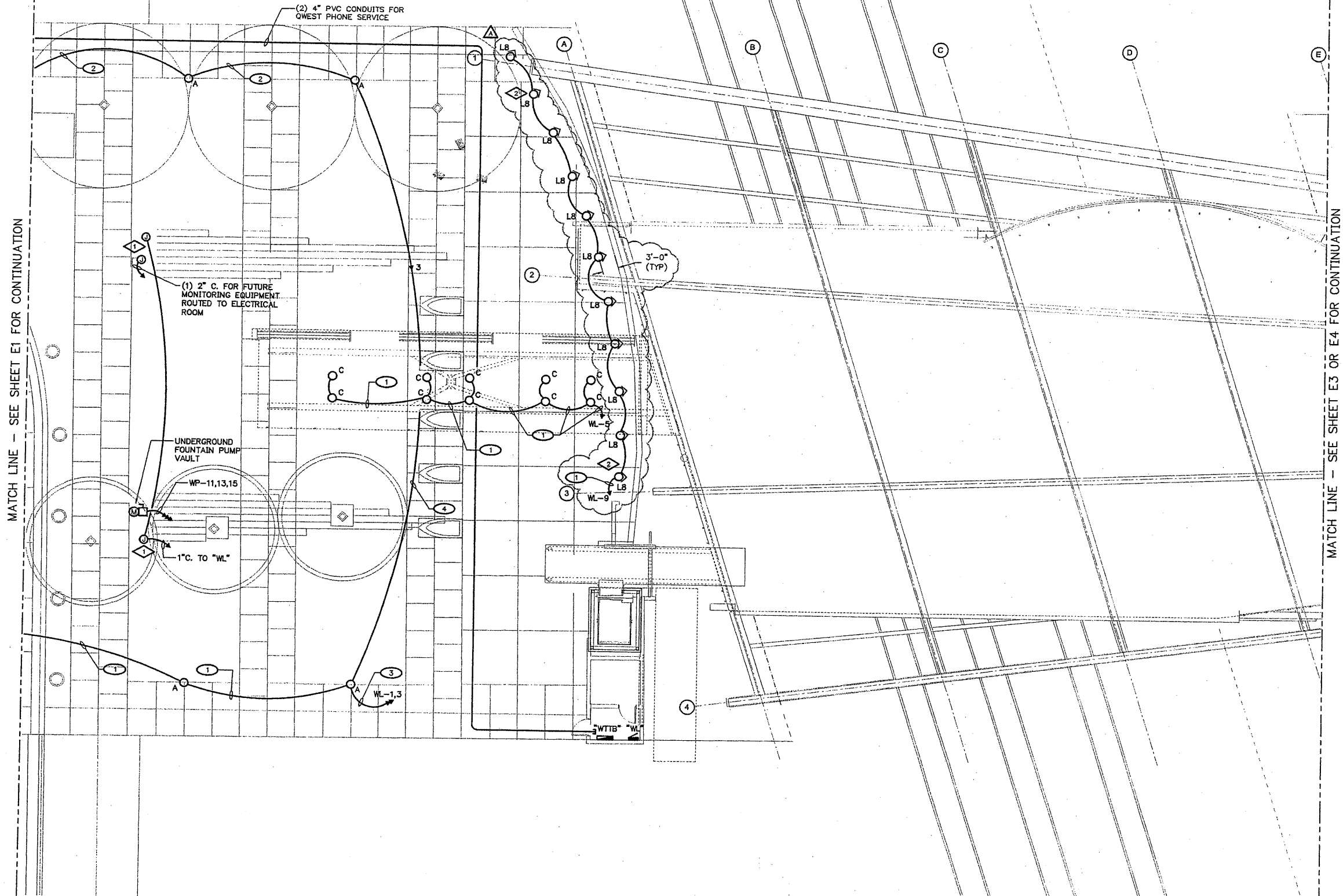


**DETAIL NOTES**

- 1 PROVIDE JUNCTION BOX AND CONDUIT ROUGH-IN FOR FUTURE FOUNTAIN POWER AND LIGHTING CONNECTIONS. PROVIDE 1" CONDUIT TO PANEL "WL".
- 2 TYPE "LB" WALLWASH UPLIGHT SHALL BE MOUNTED FLUSH IN-GRADE, 36" FROM THE BASE OF THE WALL. LIGHT FIXTURES SHALL BE EVENLY SPACED IN FRONT OF WALL PANELS, APPROXIMATELY 8' ON CENTER, (2) FIXTURES PER PANEL FOR (5) PANELS AND (1) FIXTURE FOR THE SOUTHERNMOST PANEL. SEE ARCHITECTURAL PLANS FOR WALL ELEVATIONS.

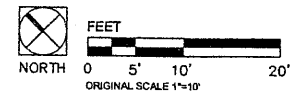
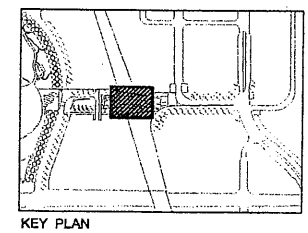
**FEEDER SCHEDULE**

- 1 (2 #10 CU THWN & 1 #10 CU GND) 3/4"C.
- 2 (2 #8 CU THWN & 1 #8 CU GND) 3/4"C.
- 3 (3 #6 CU THWN & 1 #6 CU GND) 1"C.
- 4 (2 #6 CU THWN & 1 #6 CU GND) 1"C.
- 5 (3 #10 CU THWN & 1 #10 CU GND) 3/4"C.
- 6 (4 #8 CU THWN & 1 #8 CU GND) 1"C.
- 7 (2 #4 CU THWN & 1 #4 CU GND) 1"C.
- 8 (3 #4 CU THWN & 1 #4 CU GND) 1"C.



MATCH LINE - SEE SHEET E1 FOR CONTINUATION

MATCH LINE - SEE SHEET E3 OR E4 FOR CONTINUATION



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**SITE LIGHTING PLAN**

DESIGNWORKSHOP MK CENTENNIAL <small>CENTENNIAL ENGINEERING, P.C.</small>	<b>Computer File Information</b> Creation Date: 6/21/00 Initials: RSI Last Modification Date: Initials: RSI Full Path: N:\DWI\16TEXT\ Drawing File Name: 16THST-E2.DWG ACAD Ver: R14 Scale: 1"=10' Units: ENGLISH		<b>Index of Revisions</b> 8/6/01 LIGHTING REVISION CAS		City and County of Denver Dept. of Public Works Transportation Division/City Engineer 200 W. 14th Ave. Suite 303 Denver, CO 80204 Ph: 303-640-5282 Fx: 303-640-5281	Central Platte Valley Metropolitan District 1225 17th St. Suite 3030 Denver, CO 80202 Ph: 303-296-3030 Fx: 303-296-9707	As Constructed No. Rev. Revised: Void:	Designer: SEL Checker: CAS Comments: ROOS SZYNSKIE Project No.	Structure Number Sheet Subset: ELECTRICAL Subset Sheets: E2 of 13	Project Number: 98-112 Drawing File: Sheet 197 of 215
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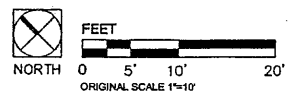
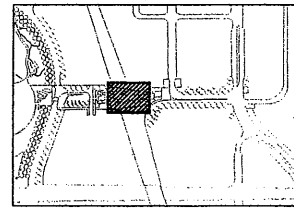
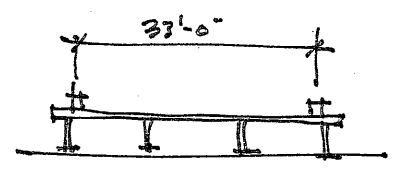
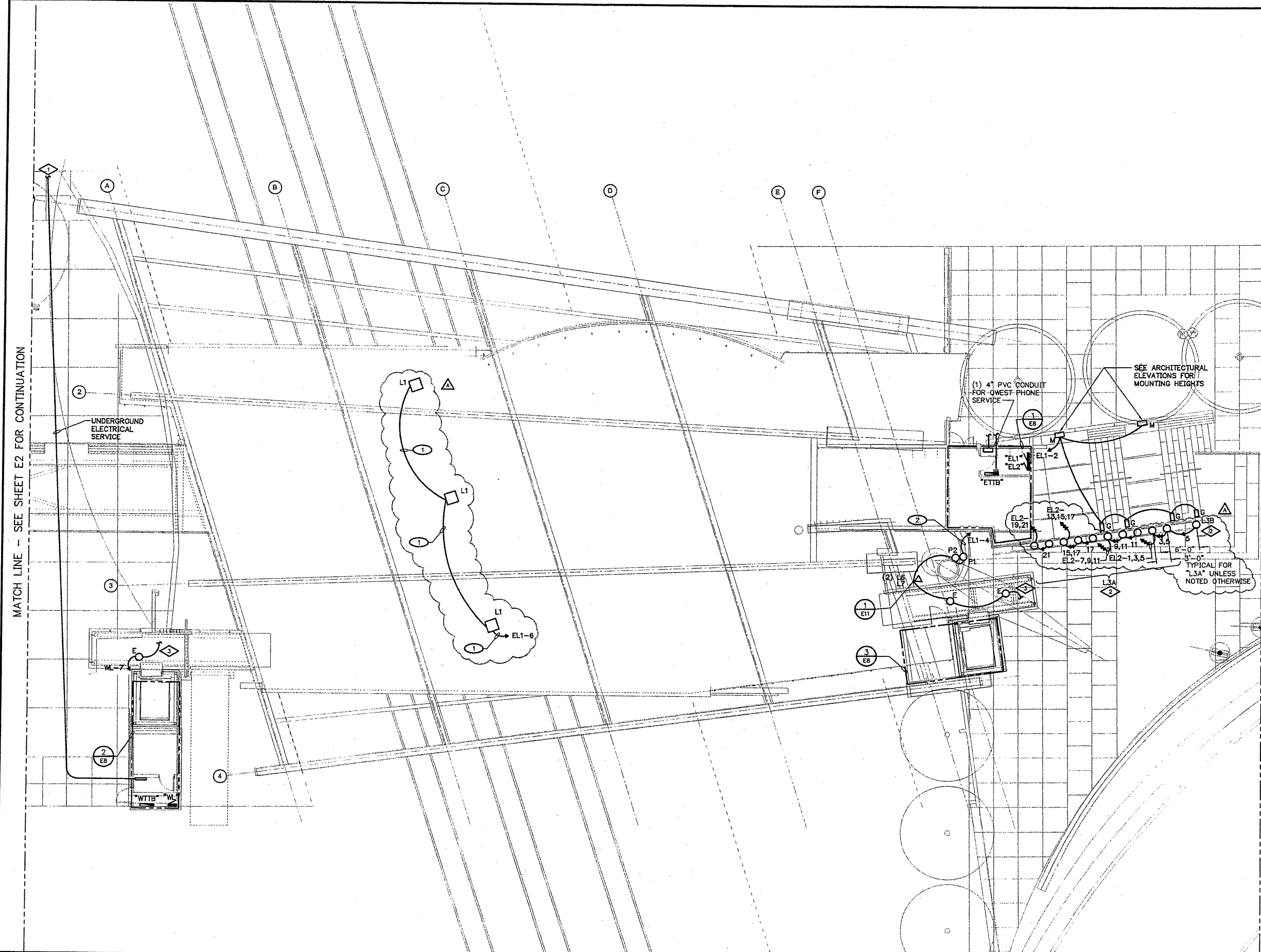


**DETAIL NOTES**

- 1 CONTINUE SERVICE LATERAL IN CONDUIT BANK PROVIDED BY OTHERS. TRANSFORMER IS LOCATED ON ADJACENT LOT APPROX. 300' NORTH ALONG RAILROAD PROPERTY LINE.
- 2 MOUNT REMOTE BALLAST FOR EACH "L3A" AND "L3B" FIXTURE IN ELECTRICAL ROOM. SEE DETAIL 1/E8.
- 3 CONNECT TO LIGHT FIXTURES ABOVE DECK.

**FEEDER SCHEDULE**

- 1 (2 #10 CU THWN & 1 #10 CU GND) 3/4"C.
- 2 (2 #8 CU THWN & 1 #8 CU GND) 3/4"C.
- 3 (3 #6 CU THWN & 1 #6 CU GND) 1"C.
- 4 (2 #6 CU THWN & 1 #6 CU GND) 1"C.
- 5 (3 #10 CU THWN & 1 #10 CU GND) 3/4"C.
- 6 (4 #8 CU THWN & 1 #8 CU GND) 1"C.
- 7 (2 #4 CU THWN & 1 #4 CU GND) 1"C.
- 8 (3 #4 CU THWN & 1 #4 CU GND) 1"C.



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<b>DESIGNWORKSHOP</b> MK CENTENNIAL <small>CENTENNIAL ENGINEERS, P.C.</small>	<b>Computer File Information</b> Creation Date: 6/21/00 Initials: RSI Last Modification Date: Initials: RSI Full Path: N:\DW\16THEXT\16THST-E3.DWG Drawing File Name: 16THST-E3.DWG ACAD Ver. R14 Scale: 1"=10' Units: ENGLISH		<b>Index of Revisions</b> R-1 8/6/01 LIGHTING REVISIONS CAS R-2 R-3 R-4		City and County of Denver Dept. of Public Works Transportation Division/City Engineer 200 W. 14th Ave. Suite 303 Denver, CO 80204 Ph: 303-640-5262 Fx: 303-640-5261	Central Platte Valley Metropolitan District 1225 17th St. Suite 3030 Denver, CO 80202 Ph: 303-296-3030 Fx: 303-296-9707	As Constructed No. Rev. Revised: Void:	<b>LOWER BRIDGE ELECTRICAL PLAN</b>		Project Number: 98-112 Drawing File: Sheet 198 of 215
	Designer: SEL Checker: CAS Comments: ROOS SZYNSKIE Project No.	Structure Number: Sheet Subset: ELECTRICAL Subset Sheets: E3 of 13								

**DETAIL NOTES**

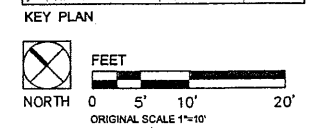
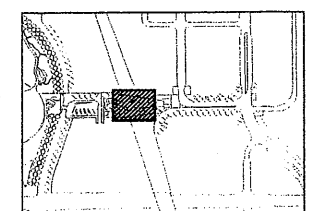
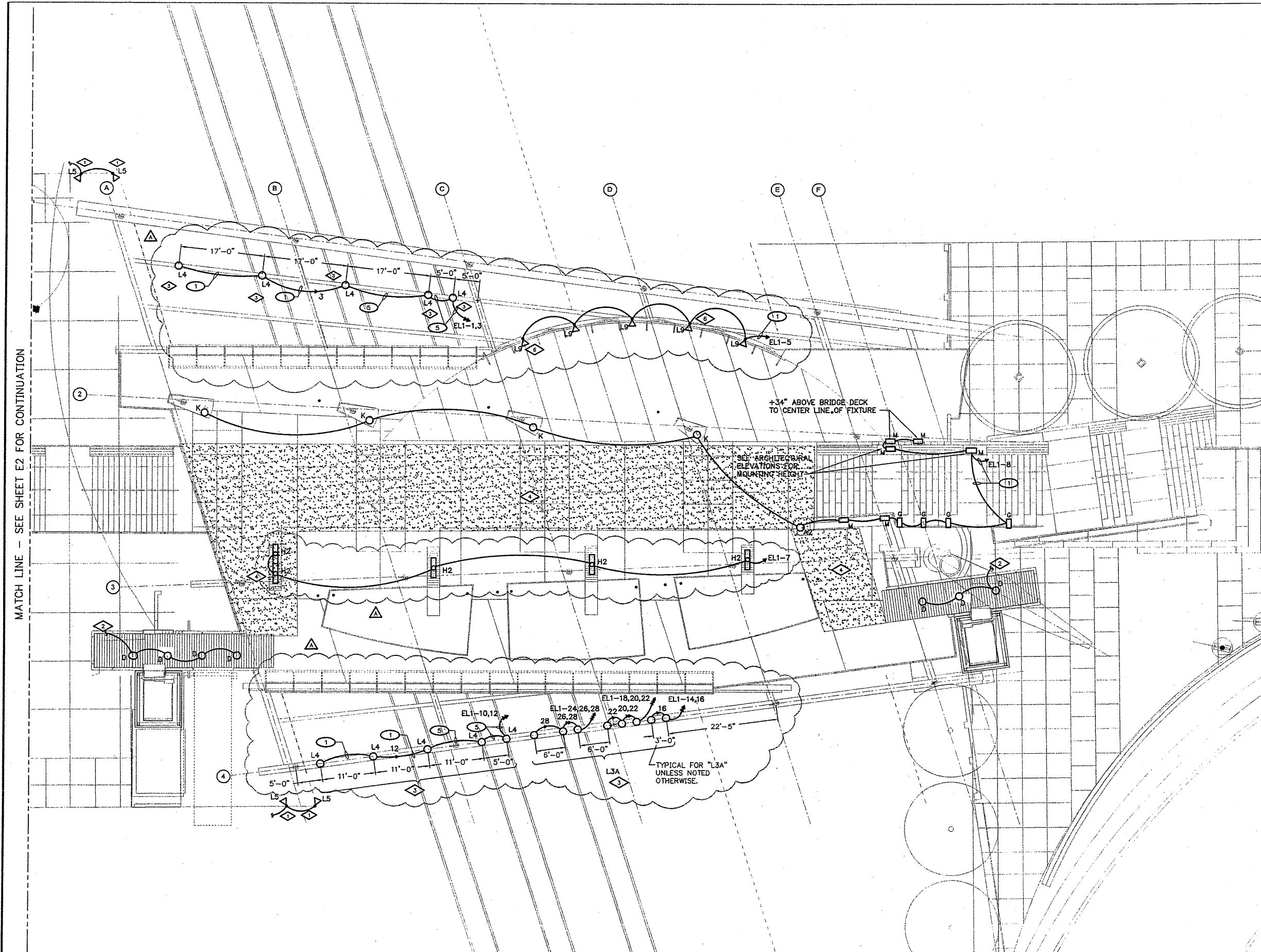
- ◇ TYPE "L5" BUILDING MOUNTED FLOODLIGHTS ARE SHOWN FOR REFERENCE ONLY. FIXTURES SHALL BE PROVIDED AS PART OF BUILDING CONSTRUCTION.
- ◇ CONNECT TO LIGHT FIXTURE BELOW.
- ◇ MOUNT REMOTE BALLAST FOR EACH "L3A" AND "L4" FIXTURE ON BELOW BRIDGE DECK ON STRUCTURAL BEAM. SEE ARCHITECTURAL DECK SECTIONS FOR DETAIL.
- ◇ SHADING INDICATES AREA OF HOT WATER SNOW MELT PIPING. NO ELECTRICAL WIRING CAN BE LOCATED WITHIN 4" TOPPING SLAB IN THIS AREA.
- ◇ SEE ARCHITECTURAL DETAIL FOR MOUNTING TYPE "H2" COLD CATHODE FIXTURE BELOW BENCH
- ◇ TYPE "L9" FLOODLIGHTS TO BE MOUNTED ON STEEL BEAM VIA SURFACE MOUNT TENNON BEHIND CURVED WOOD SCREEN. CENTER FIXTURE BEHIND PANEL SECTION AS SHOWN AND AIM TOWARDS BACK OF WOOD SCREEN AT AN ANGLE OF 68° ABOVE HORIZONTAL. SEE ARCHITECTURAL DETAIL 4, SHEET A301 FOR MORE INFORMATION. (TYPICAL)

**FEEDER SCHEDULE**

- ① (2 #10 CU THWN & 1 #10 CU GND) 3/4"C.
- ② (2 #8 CU THWN & 1 #8 CU GND) 3/4"C.
- ③ (3 #6 CU THWN & 1 #6 CU GND) 1"C.
- ④ (2 #6 CU THWN & 1 #6 CU GND) 1"C.
- ⑤ (3 #10 CU THWN & 1 #10 CU GND) 3/4"C.
- ⑥ (4 #8 CU THWN & 1 #8 CU GND) 1"C.
- ⑦ (2 #4 CU THWN & 1 #4 CU GND) 1"C.
- ⑧ (3 #4 CU THWN & 1 #4 CU GND) 1"C.

MATCH LINE - SEE SHEET E2 FOR CONTINUATION

MATCH LINE - SEE SHEET E5 FOR CONTINUATION



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DESIGNWORKSHOP MK CENTENNIAL <small>CENTENNIAL SYSTEMS, INC.</small>	<b>Computer File Information</b> Creation Date: 6/21/00 Initials: RSI Last Modification Date: Initials: RSI Full Path: N:\DW\16THXT\ Drawing File Name: 16THST-E4.DWG ACAD Ver. R14 Scale: 1"=10' Units: ENGLISH		<b>Index of Revisions</b> 8/6/01 LIGHTING REVISIONS CAS R-1 R-2 R-3 R-4		City and County of Denver Dept. of Public Works Transportation Division/City Engineer 200 W. 14th Ave. Suite 303 Denver, CO 80204 Ph: 303-640-5262 Fx: 303-640-5261		Central Platte Valley Metropolitan District 1225 17th St. Suite 3030 Denver, CO 80202 Ph: 303-296-3030 Fx: 303-296-9707		As Constructed No.Rev. Revised: Void:		<b>UPPER BRIDGE ELECTRICAL PLAN</b> Designer: SEL Checker: CAS Comments: ROOS SZYNSKIE Project No.			Structure Number Sheet Subset: ELECTRICAL Subset Sheets: E4 of 13		Project Number: 98-112 Drawing File: Sheet 199 of 215	
											Project Number: 98-112 Drawing File: Sheet 199 of 215						

### DETAIL NOTES

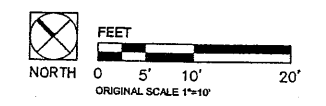
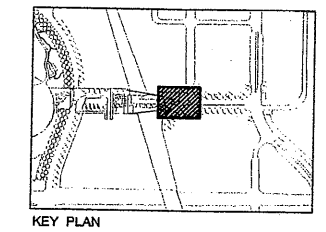
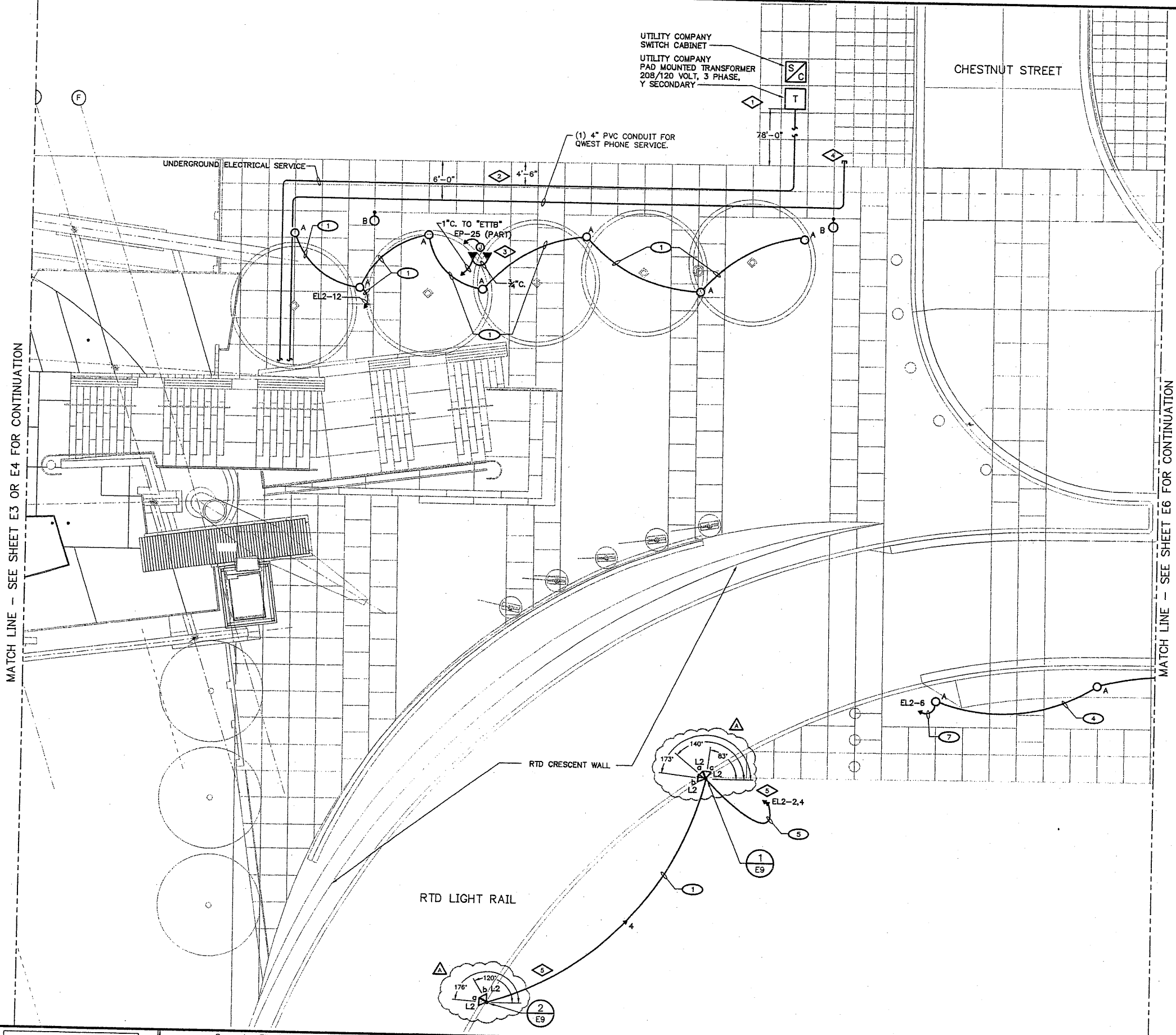
- 1 TRANSFORMER AND SWITCH CABINET ARE LOCATED APPROXIMATELY 78' NORTH OF PROPERTY LINE.
- 2 MAINTAIN CLEARANCE FOR UTILITIES.
- 3 VERIFY PHONE OUTLET MOUNTING REQUIREMENTS. PROVIDE WATERPROOF JUNCTION BOX WITH CIRCUIT AS INDICATED FOR PHONE POWER. COORDINATE POWER REQUIREMENTS WITH QWEST. PHONE CABLES BY OTHERS.
- 4 EXTEND PHONE SERVICE CONDUIT TO QWEST POINT OF CONNECTION ON CHESTNUT STREET. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH BILL REED OF QWEST (TELEPHONE 303-257-9033). PHONE CABLE BY OTHERS.
- 5 TYPE "L2" FLOOD LIGHTS SHALL BE MOUNTED ON OCS POLES. POLES SHALL BE PROVIDED BY RTD CONTRACTOR. POLE INSTALLER SHALL PROVIDE (1) 3/4" CONDUIT BETWEEN THE OCS POLES AND (1) 3/4" CONDUIT STUBBED UNDER LIGHT-RAIL TRACKS AND RTD CRESCENT WALL INTO PLAZA AREA. ELECTRICAL CONTRACTOR FOR PLAZA WORK SHALL CONTINUE CONDUIT TO PANEL "EL2" AND PROVIDE ALL WIRING. ELECTRICAL CONTRACTOR SHALL ALSO PROVIDE A LOCKABLE SAFETY DISCONNECT SWITCH MOUNTED IN A WATERTIGHT ENCLOSURE LOCATED AT THE BASE OF EACH POLE. THIS SHALL ALLOW THE POWER TO THE FLOODLIGHTS TO BE DISCONNECTED LOCALLY FOR MAINTENANCE. COORDINATE INSTALLATION WITH RTD CONTRACTOR.

### FEEDER SCHEDULE

- 1 (2 #10 CU THWN & 1 #10 CU GND) 3/4"C.
- 2 (2 #8 CU THWN & 1 #8 CU GND) 3/4"C.
- 3 (3 #6 CU THWN & 1 #6 CU GND) 1"C.
- 4 (2 #6 CU THWN & 1 #6 CU GND) 1"C.
- 5 (3 #10 CU THWN & 1 #10 CU GND) 3/4"C.
- 6 (4 #8 CU THWN & 1 #8 CU GND) 1"C.
- 7 (2 #4 CU THWN & 1 #4 CU GND) 1"C.
- 8 (3 #4 CU THWN & 1 #4 CU GND) 1"C.

MATCH LINE - SEE SHEET E3 OR E4 FOR CONTINUATION

MATCH LINE - SEE SHEET E6 FOR CONTINUATION



**ROOS SZYNSKIE**
  
 Electrical Engineering & Lighting Design

<b>DESIGNWORKSHOP</b> MK CENTENNIAL	<b>Computer File Information</b> Creation Date: 6/21/00 Initials: RSI Last Modification Date: Initials: RSI Full Path: N:\DW\16THEXT\ Drawing File Name: 16THST-E5.DWG ACAD Ver. R14 Scale: 1"=10' Units: ENGLISH		<b>Index of Revisions</b> <table border="1"> <tr> <th>Rev.</th> <th>Date</th> <th>Description</th> <th>By</th> </tr> <tr> <td>R-1</td> <td>8/6/01</td> <td>▲ LIGHTING REVISIONS</td> <td>CAS</td> </tr> <tr> <td>R-2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>R-3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>R-4</td> <td></td> <td></td> <td></td> </tr> </table>		Rev.	Date	Description	By	R-1	8/6/01	▲ LIGHTING REVISIONS	CAS	R-2				R-3				R-4				<b>City and County of Denver</b> Dept. of Public Works Transportation Division/City Engineer 200 W. 14th Ave. Suite 303 Denver, CO 80204 Ph: 303-640-5262 Fx: 303-640-5261		<b>Central Platte Valley Metropolitan District</b> 1225 17th St. Suite 3030 Denver, CO 80202 Ph: 303-296-3030 Fx: 303-296-9707		<b>As Constructed</b> No. Rev. Revised: Void:		<b>SITE LIGHTING PLAN</b> Designer: SEL Checker: CAS Comments: ROOS SZYNSKIE Project No.		Project Number: 98-112 Drawing File: Sheet 200 of 215	
	Rev.	Date	Description	By																														
R-1	8/6/01	▲ LIGHTING REVISIONS	CAS																															
R-2																																		
R-3																																		
R-4																																		
								Structure Number Sheet Subset: ELECTRICAL Subset Sheets: E5 of 13																										



PANEL "EEP"							
VOLTS: 208/120V,1PH,3W MAINS: 100A M.L.O. A.I.C.: 10KA				MTG: SURFACE NEMA 1 MFGR: SEE SPECS TYPE: SEE SPECS			
DESCRIPTION	T	KVA	BKR	CKT#	BKR	KVA	DESCRIPTION
ELEVATOR CAB	0	1.00	20A1P	1	2		SPACE
ELEVATOR SHAFT LTS	L	0.36	20A1P	3	4		SPACE
SPACE				5	6		SPACE
SPACE				7	8		SPACE
SPACE				9	10		SPACE
SPACE				11	12		SPACE

LOAD KVA	LTG	OTHR	TOTAL
CONNECTED	0.4	1.0	1.4
NEC DEMAND	0.4	1.0	1.4
AMPS			7

PHASE KVA      A = 1.0    B = 0.4  
PHASE IMBALANCE (%)    A/B = 177.8

PANEL "WL"							
VOLTS: 208/120V,3PH,4W MAINS: 100A M.L.O. A.I.C.: 14KA				MTG: SURFACE NEMA 1 MFGR: SEE SPECS TYPE: SEE SPECS			
DESCRIPTION	T	KVA	BKR	CKT#	BKR	KVA	DESCRIPTION
PEDESTRIAN LIGHTS	L	1.05	20A1P	1	2		SPACE
PEDESTRIAN LIGHTS	L	1.23	20A1P	3	4		SPACE
BRIDGE UPLIGHTS	L	1.20	20A1P	5	6		SPACE
BRIDGE LIGHTS	L	0.30	20A1P	7	8		SPACE
WALL FLOOD LIGHTS	L	0.94	20A1P	9	10		SPACE
SPACE				11	12		SPACE
SPACE				13	14		SPACE
SPACE				15	16		SPACE
SPACE				17	18		SPACE
SPACE				19	20		SPACE
SPACE				21	22		SPACE
SPACE				23	24		SPACE

LOAD KVA	LTG	TOTAL
CONNECTED	4.7	4.7
NEC DEMAND	5.9	5.9
AMPS		16

PHASE KVA      A = 1.4    B = 2.2    C = 1.2  
PHASE IMBALANCE (%)    A/B = 60.0    B/C = 80.0    C/A = 12.5

PANEL "EP"							
VOLTS: 208/120V,3PH,4W MAINS: 700A MAIN BREAKER A.I.C.: 42KA				MTG: SURFACE NEMA 1 MFGR: SEE SPECS TYPE: SEE SPECS			
DESCRIPTION	T	KVA	BKR	CKT#	BKR	KVA	DESCRIPTION
AC-1	H	2.15	30A	1	2	35A	2.10 M
	H	2.15	2P	3	4		2.10 M
AC-2	H	2.15	30A	5	6	3P	2.10 M
	H	2.15	2P	7	8	20A	1.67 H
B-1, CIRC PUMP	M	0.86	20A1P	9	10		1.67 H
EF-1	M	0.10	20A1P	11	12	3P	1.67 H
GF-1	M	0.08	20A1P	13	14	150A	14.1 M
SF-1	M	0.70	20A1P	15	16		14.1 M
EF-2	M	1.51	20A1P	17	18	3P	14.1 M
BOILER CONTROL PNL	O	1.00	20A1P	19	20	20A1P	0.66 C
ELEVATOR PIT	C	0.28	20A1P	21	22	20A1P	0.72 R
ELEV MACH REC/LTS	C	0.33	20A1P	23	24	20A1P	0.50 O
TELEPHONE POWER	O	1.00	20A1P	25	26		SPACE
SPACE				27	28		SPACE
SPACE				29	30		SPACE
SPACE				31	32	150A	7.35 P
SPACE				33	34		8.47 P
SPACE				35	36	3P	6.70 P
SPACE				37	38	110A	10.6 P
SPACE				39	40		8.53 P
PANEL "EEP"	P	1.00	60A	39	40		8.53 P
	P	0.36	2P	41	42	3P	7.78 P

LOAD KVA	LTG	REC	MTR	HTR	OTHR	TOTAL
CONNECTED	50.3	1.4	51.7	13.6	3.5	120.5
NEC DEMAND	62.9	1.4	62.2	13.6	3.5	143.6
AMPS						399

PHASE KVA      A = 42.8    B = 40.5    C = 37.2  
PHASE IMBALANCE (%)    A/B = 5.5    B/C = 8.8    C/A = 14.8

PANEL "EL1"							
VOLTS: 208/120V,3PH,4W MAINS: 225A M.L.O. A.I.C.: 22KA				MTG: SURFACE NEMA 1 MFGR: SEE SPECS TYPE: SEE SPECS			
DESCRIPTION	T	KVA	BKR	CKT#	BKR	KVA	DESCRIPTION
MAST SPOT LIGHT	L	1.35	20A1P	1	2	20A1P	0.16 L
MAST SPOT LIGHT	L	0.90	20A1P	3	4	20A1P	1.43 L
SCREEN WALL LIGHTS	L	0.47	20A1P	5	6	20A1P	0.53 L
UNDERBENCH LIGHTS	L	0.45	20A1P	7	8	20A1P	0.58 L
SPACE				9	10	20A1P	1.35 L
SPACE				11	12	20A1P	0.90 L
SPACE				13	14	20A1P	1.60 L
SPACE				15	16	20A1P	1.60 L
SPACE				17	18	20A1P	1.60 L
SPACE				19	20	20A1P	1.60 L
SPACE				21	22	20A1P	1.60 L
SPACE				23	24	20A1P	1.60 L
SPACE				25	26	20A1P	1.60 L
SPACE				27	28	20A1P	1.60 L
SPACE				29	30	20A1P	1.60 L
SPACE				31	32		SPACE
SPACE				33	34		SPACE
SPACE				35	36		SPACE
SPACE				37	38		SPACE
SPACE				39	40		SPACE
SPACE				41	42		SPACE

LOAD KVA	LTG	TOTAL
CONNECTED	22.5	22.5
NEC DEMAND	28.2	28.2
AMPS		78

PHASE KVA      A = 7.3    B = 8.5    C = 6.7  
PHASE IMBALANCE (%)    A/B = 15.4    B/C = 26.5    C/A = 9.6

PANEL "EL2"							
VOLTS: 208/120V,3PH,4W MAINS: 225A M.L.O. A.I.C.: 22KA				MTG: SURFACE NEMA 1 MFGR: SEE SPECS TYPE: SEE SPECS			
DESCRIPTION	T	KVA	BKR	CKT#	BKR	KVA	DESCRIPTION
MAST SPOT LIGHT	L	1.60	20A1P	1	2	20A1P	1.35 L
MAST SPOT LIGHT	L	1.60	20A1P	3	4	20A1P	0.90 L
MAST SPOT LIGHT	L	1.60	20A1P	5	6	20A1P	1.75 L
MAST SPOT LIGHT	L	1.60	20A1P	7	8	20A1P	1.23 L
MAST SPOT LIGHT	L	1.60	20A1P	9	10	20A1P	1.23 L
MAST SPOT LIGHT	L	1.60	20A1P	11	12	20A1P	1.23 L
MAST SPOT LIGHT	L	1.60	20A1P	13	14	20A1P	1.57 L
MAST SPOT LIGHT	L	1.60	20A1P	15	16	20A1P	SPACE
MAST SPOT LIGHT	L	1.60	20A1P	17	18	20A1P	SPACE
MAST SPOT LIGHT	L	1.60	20A1P	19	20	20A1P	SPACE
MAST SPOT LIGHT	L	1.60	20A1P	21	22	20A1P	SPACE
MAST SPOT LIGHT	L	1.60	20A1P	23	24	20A1P	SPACE
SPACE				25	26	20A1P	SPACE
SPACE				27	28	20A1P	SPACE
SPACE				29	30	20A1P	SPACE
SPACE				31	32		SPACE
SPACE				33	34		SPACE
SPACE				35	36		SPACE
SPACE				37	38		SPACE
SPACE				39	40		SPACE
SPACE				41	42		SPACE

LOAD KVA	LTG	TOTAL
CONNECTED	26.9	26.9
NEC DEMAND	33.6	33.6
AMPS		93

PHASE KVA      A = 10.6    B = 8.5    C = 7.8  
PHASE IMBALANCE (%)    A/B = 23.8    B/C = 9.6    C/A = 35.7

PANEL "WEP"							
VOLTS: 208/120V,1PH,3W MAINS: 100A M.L.O. A.I.C.: 10KA				MTG: SURFACE NEMA 1 MFGR: SEE SPECS TYPE: SEE SPECS			
DESCRIPTION	T	KVA	BKR	CKT#	BKR	KVA	DESCRIPTION
ELEVATOR CAB	0	1.00	20A1P	1	2		SPACE
ELEVATOR SHAFT LTS	L	0.36	20A1P	3	4		SPACE
SPACE				5	6		SPACE
SPACE				7	8		SPACE
SPACE				9	10		SPACE
SPACE				11	12		SPACE

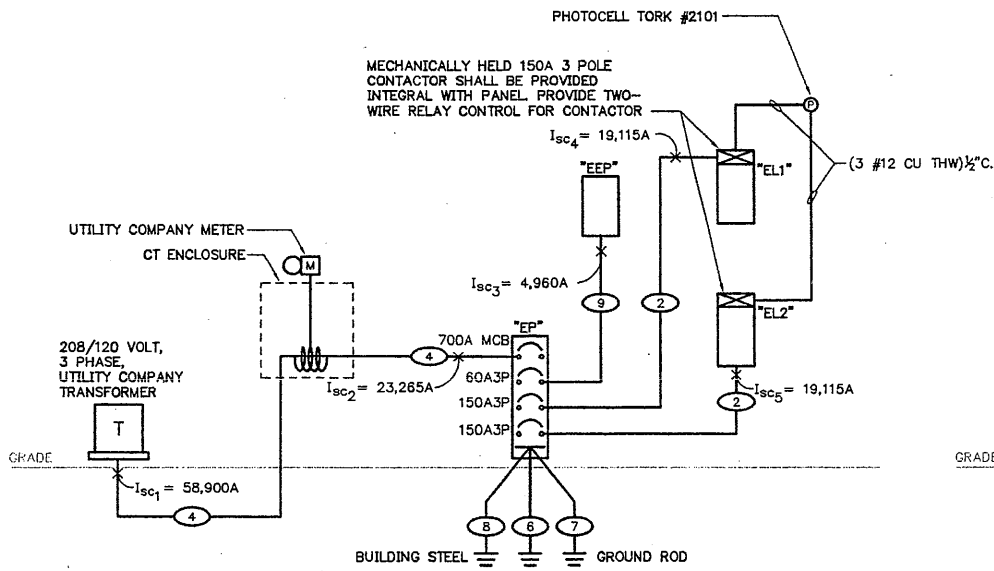
LOAD KVA	LTG	OTHR	TOTAL
CONNECTED	0.4	1.0	1.4
NEC DEMAND	0.4	1.0	1.4
AMPS			7

PHASE KVA      A = 1.0    B = 0.4  
PHASE IMBALANCE (%)    A/B = 177.8

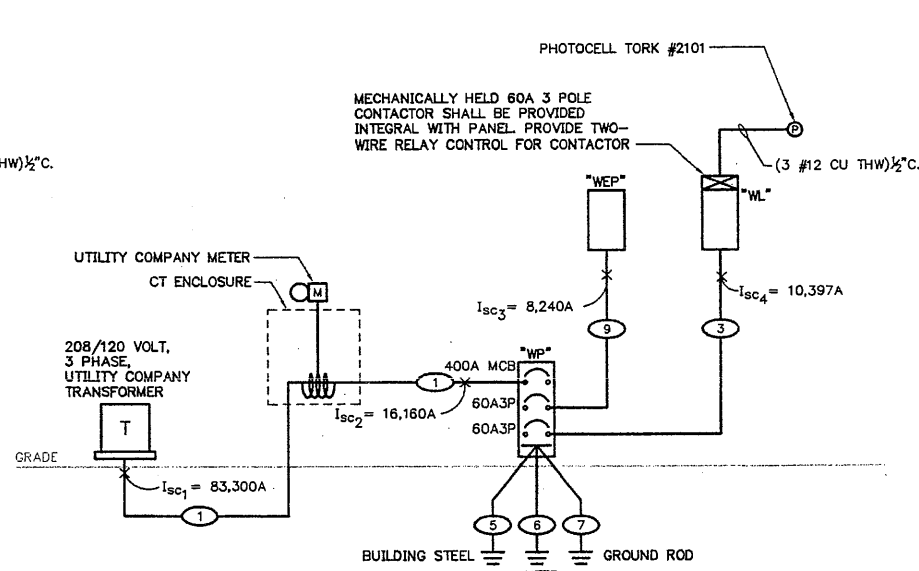
PANEL "WP"							
VOLTS: 208/120V,3PH,4W MAINS: 400A MAIN BREAKER A.I.C.: 22KA				MTG: SURFACE NEMA 1 MFGR: SEE SPECS TYPE: SEE SPECS			
DESCRIPTION	T	KVA	BKR	CKT#	BKR	KVA	DESCRIPTION
AC-3	H	2.15	30A	1	2	150A	14.1 M
	H	2.15	2P	3	4		14.1 M
AC-4	H	2.15	30A	5	6	3P	14.1 M
	H	2.15	2P	7	8	20A1P	0.28 C
ELEV MACH REC/LTS	C	0.33	20A1P	9	10	20A1P	0.54 R
FOUNTAIN PUMP	M	1.40	15A	11	12	20A1P	0.50 O
	M	1.40	3P	15	16	20A	1.25 H
FOUNTAIN PUMP	M	1.40	15A	17	18	2P	1.25 H
	M	1.40	19	19	20	20A	1.25 H
	M	1.40	3P	21	22	2P	1.25 H
FOUNTAIN PUMP	M	1.40	15A	23	24	20A1P	0.50 O
	M	1.40	25	25	26	25A	2.40 M
	M	1.40	3P	27	28		2.40 M
FOUNTAIN PUMP	M	2.40	25A	29	30	3P	2.40 M
	M	2.40	31	31	32	25A	2.40 M
	M	2.40	3P	33	34		2.40 M
SPACE				35	36	3P	2.40 M
SPACE				37	38	60A	1.35 P
PANEL "WEP"	P	1.00	60A	39	40		1.16 P
	P	0.36	2P	41	42	3P	2.10 P

LOAD KVA	LTG	REC	MTR	HTR	OTHR	TOTAL
CONNECTED	5.2	0.7	76.4	13.6	3.0	98.9
NEC DEMAND	6.5	0.7	86.9	13.6	3.0	110.8
AMPS						307

PHASE KVA      A = 33.6    B = 34.1    C = 31.4  
PHASE IMBALANCE (%)    A/B = 1.5    B/C = 8.7    C/A = 7.1



**EAST (CITY SIDE) ONE-LINE DIAGRAM**  
NOT TO SCALE



**WEST (PARK SIDE) ONE-LINE DIAGRAM**  
NOT TO SCALE

**ONE-LINE FEEDER SCHEDULE**

- NOTE: ALL FEEDERS ARE CU THW.
- ① 2 [(4-500 KCMIL) 3/2" C.]
  - ② (4 #1/0 & 1 #6 CU GND) 2" C.
  - ③ (4 #6 & 1 #10 CU GND) 1" C.
  - ④ 3 [(4-500 KCMIL) 3/2" C.]
  - ⑤ (1 #2/0) 3/4" C.
  - ⑥ (1 #4) 1/2" C.
  - ⑦ (1 #6) 1/2" C.
  - ⑧ (1 #3/0) 3/4" C.
  - ⑨ (3 #6 & 1 #10 CU GND) 1" C.



Electrical Engineering & Lighting Design



AUG 06 2001

Project Number: 98-112  
Drawing File: Sheet 208 of 215

DESIGNWORKSHOP  
MK CENTENNIAL

Computer File Information	
Creation Date	6/21/00 Initials RSI
Last Modification Date	Initials RSI
Full Path	N:\DWI\16THEXT
Drawing File Name	16THST-E13.DWG
ACAD Ver. R14	Scale 1"=20' Units: ENGLISH

Index of Revisions	
8/6/01	Δ LIGHTING REVISIONS CAS

City and County of Denver  
Dept. of Public Works  
Transportation Division/City Engineer  
200 W. 14th Ave. Suite 303  
Denver, CO 80204  
Ph: 303-640-5262  
Fx: 303-

# Appendix C Light Level References

Below are screenshots from the Illuminating Engineering Society, Recommended Practice: Lighting Exterior Applications (RP-43-22)

Table A-3. Recommended Illuminance Criteria for People in Outdoor Environments

APPLICATION TASK/AREA <sup>a</sup>  Veiling Reflection Risk Light Level for Task or Area?  Task or Med Area High or Low	Lighting for Human Vision, Visibility, and Reassurance								Lighting for Responsible Design				
	Recommended Average Maintained Illuminance Targets <sup>b</sup>								Optic Control		Controls		Spectrum
	Illuminances are at height of Task Surface (TS) above finished grade (AFG)								Glare, Uplight Ratings		Vacancy, Seasonal, & Time of day		Acceptable Short Wavelength Content <sup>7</sup>
	Horizontal Illuminance				Vertical Illuminance								
	Target E <sub>h</sub> @ Height AFG		Uniformity		Target E <sub>v</sub> @ Height AFG		Uniformity		Max Glare Rating (G)	Max Uplight Rating (U)	Light Output During Controls Reduction		
Lux @ m	(Fc @ Ft)	(Avg:Min)	Ratio Basis	Lux @ m	(Fc @ Ft)	(Avg:Min)	Ratio Basis				(VL, L, M, H), (VH) <sup>12</sup>		
Special Pedestrian Walkways (not for vehicular use; not adjacent to the roadway)													
Pedestrian Overpass													
LZ4													
Lower limit (avg.)		20 @ 0.00	(2 @ 0.0)	5:1	Avg:Min				G2	U2	20% to 50%	VL, L, M, H	
Upper limit (avg.)		40 @ 0.00	(4 @ 0.0)	5:1	Avg:Min								
LZ3													
Lower limit (avg.)		16 @ 0.00	(1.6 @ 0.0)	5:1	Avg:Min				G2	U2	20% to 50%	VL, L, M	
Upper limit (avg.)		32 @ 0.00	(3.2 @ 0.0)	5:1	Avg:Min								
LZ2													
Lower limit (avg.)		8 @ 0.00	(0.8 @ 0.0)	10:1	Avg:Min				G2	U2	20% to 50%	VL, L, M	
Upper limit (avg.)		15 @ 0.00	(1.5 @ 0.0)	10:1	Avg:Min								
LZ1													
Lower limit (avg.)		4 @ 0.00	(0.4 @ 0.0)	10:1	Avg:Min				G1	U1	20% to 50%	VL, L	
Upper limit (avg.)		10 @ 0.00	(1 @ 0.0)	10:1	Avg:Min								
LZ0													
Lower limit (avg.)													
Upper limit (avg.)													



**Alles, Rachel**

---

**From:** Jones, Anna  
**Sent:** Monday, July 10, 2023 9:56 AM  
**To:** A Cara (acara@ewpartners.com); Alles, Rachel; DAmato, Shauna  
**Subject:** FW: [External] Study and PR

Good Morning Ladies!

Linda reached out to me last week with requests for help paying for the GSD study and the DUG PR efforts around the gardens. I asked her to make the request in writing so we can include in next week's meeting packet.

Please let me know if you have any questions/concerns in the meantime....

Thx!

---

**From:** Linda Appel Lipsius <linda@dug.org>  
**Sent:** Sunday, July 9, 2023 8:31 PM  
**To:** Jones, Anna <Anna.Jones@claconnect.com>  
**Cc:** Nessa Mogharreban <nessa@dug.org>  
**Subject:** [External] Study and PR

**Think Security – This email originated from an external source. Be cautious with any links or attachments.**

Anna-

Thank you for taking the time to discuss the study and PR on Thursday.

In follow up, DUG has been in conversations with the Harvard Graduate School of Design (GSD) about studying our work and helping us establish DUG as a model for the country around Community Garden and Food Forest organizational operations. The topic of the 17th St Garden is particularly rich and could be the focus of the study. However, we'd like to ask for support from the CPV Authority in order to do the work. The total study cost is \$150k. Possible for the Authority to fund \$25-\$50k?

Secondly, would the board be willing to contributing to 2 months of DUG's PR efforts which at this point are heavily focused on the 17th St garden? For this I'd request \$9k.

Would you mind sharing this with the board if you think these are reasonable requests?

Thank you for your consideration.

Best,  
Linda

Linda Appel Lipsius  
CEO | [Denver Urban Gardens](#) (DUG)  
[linda@dug.org](mailto:linda@dug.org) | 720.250.7003  
<https://calendly.com/linda-dug/30min>



## Central Platte Valley Coordination Metropolitan District Manager's and Property Update

**July 18, 2023**

**Bridge Elevators:** There was one (1) service call to TKE for the Millennium Bridge and none for the Union Gateway Bridge in June.

**Bridge Camera Monitoring System (Stealth Monitoring): There were 160 incidents reported by Stealth Monitoring in the month of June in and around the elevators, which is up significantly from May 2023.**

**EWUM Team Summary of Tasks-** Please see attached reports and work orders from our Maintenance Team.

- Daily walks of the Central Platte Valley Metropolitan District Areas.
- Daily cleaning of the elevator including vacuuming the tracks and removal of graffiti (4 graffiti removals)
- Elevator inspections two times per day.
- Weekly exterior lighting check on both bridges completed by East West maintenance.
- Security Coordination including payroll and scheduling adjustments as needed.

### **General Items**

- Called in an issue with the fire panel on the Union Gateway Bridge. Discovered the circuit board needs to be replaced. Panel repaired on June 21<sup>st</sup>.
- Met with Stealth Monitoring to replace a surge protector in the equipment room of the Millennium Bridge.
- Replaced protective graffiti film inside the of the Union Gateway Bridge elevators.
- Coordinated trimming of landscaping in medians on Wewatta.
- Coordinated landscaping cleanup of 17<sup>th</sup> Street Garden with DCPS.
- Set up a new tent in the 17<sup>th</sup> Street Garden following a hailstorm that destroyed the previous tent.
- Met with CGS to coordinate additional cleaning of 17<sup>th</sup> Street Garden.
- Coordinated meeting with Millennium Bridge lighting control vendor.

### **Plaza Fountain**

- Performed testing on the water in the fountain.
- Cleaned the fountain filter and added chlorine.

### **Eponic Reporting and DPD Incidents**

2 incidents were reported by Eponic. The reported issues were:

- Mechanical Issues, Safety: Vandalism/Graffiti.

**DPD reported no major incidents.**

Submitted by Brandon Fries, East West Urban Management, LLC.



### All Ticket Types aggregated by Building

Customer: EAST WEST URBAN MANAGEMENT - Millennium Bridge

Timerange : June 1, 2023 12:00 AM - June 30, 2023 11:59 PM



Incident ID	Customer Email
345568	An individual was observed loitering on NVR-1, camera 24 at approximately 1:06 pm. The audible alarms were activated. Police dispatch was not warranted because the individual appeared to leave the area shortly with no further incident.
345827	An individual was observed loitering on NVR-1, camera 11 at approximately 1:16 am. The audible alarms were activated. The security officer was contacted and made aware of the activity. Police dispatch was not warranted because the security officer was observed making contact with the individual and directing them to leave the area.
345863	An individual was observed using an unknown on NVR-1, camera 5 at approximately 2:41 am. The audible alarms were activated. Police dispatch was not warranted because the individual appeared to leave after the audible alarms were activated.
345920	An individual was observed loitering on NVR-1, camera 17 at approximately 4:47 am. The security officer was contacted and made aware of the activity. The individual appeared to leave the area with no further incident observed. The security officer was not observed on camera.
346145	An individual was observed loitering on NVR-1, camera 6 at approximately 10:19 pm. The audible alarms were activated. The security officer was contacted and made aware of the activity. The security officer was observed making contact with the individual and directing them to leave the area.
346316	An individual was observed loitering on NVR - 1, camera 11 at approximately 4:35 am. The audible alarms were activated. The security officer was contacted and made aware of the activity. The security officer was observed making contact with the individual and appeared to direct them to leave the area.
346710	An individual was observed loitering on NVR - 1, camera 11 at approximately 3:43 am. The audible alarms were activated. The security officer was contacted and made aware of the activity. Police dispatch was not warranted because the security officer was observed making contact with the individual and appeared to direct them to leave the area.
347820	An individual was observed loitering and appeared igniting a fire on NVR-1, camera 13 at approximately 3:53 AM. The audible alarms were activated. The security officer was contacted and made aware of the activity. Police dispatch was not warranted because the security officer was observed making contact with the individual and appeared to direct the individual to leave the area.
347866	An individual was observed loitering on NVR-1, camera 11 at approximately 9:30 am. The audible alarms were activated. Police dispatch was not warranted because the individual appeared to leave the area after the audible alarms were activated.
348203	An individual was observed loitering on NVR-1, camera 9 at approximately 8:22 am. The audible alarms were activated. The individual appeared to leave the area without further incident.
348337	An individual was observed loitering on NVR-1, camera 12 at approximately 9:16 pm. The audible alarms were activated. The security officer was contacted and made aware of the activity. The individual appeared to leave the area with no further incident observed. The security officer was observed patrolling the area.

348526 An individual was observed loitering on NVR-1, camera 6 at approximately 3:07 AM. The audible alarms were activated. The security officer was contacted and made aware of the activity. Later, the individual appeared to leave the area with no further incident observed. The security officer was not observed on camera.

349476 Two individuals were observed loitering on NVR-1, camera 9 at approximately 8:02 am. The audible alarms were activated. Police dispatch was not warranted because the individuals appeared to leave the area with no further incident.

349587 An individual was observed loitering on NVR-1 camera 11 at approximately 7:04 pm. The audible alarms were activated. The security officer was contacted and made aware of the activity. Police dispatch was not warranted because the security officer was observed making contact with the individual and directed them to leave the area.

349738 Two individuals were observed using an unknown substance on NVR-1, camera 5 at approximately 1:55 am. The audible alarms were activated. The security officer was contacted and made aware of the activity. Upon review, one of the individual appeared to leave the area before the officer could arrive. The security officers were observed making contact with the remaining individual and appeared to direct them to leave the area.

349814 An individual was observed loitering on NVR-1, camera 25 at approximately 6:23 am. The audible alarms were activated. The security officer was contacted and made aware of the activity. The individual appeared to leave the area without further incident. The security officer was not observed on camera.

349836 An individual was observed loitering on NVR-1, camera 24 at approximately 9:38 am. The audible alarms were activated. It appeared as though the individual was taking an unknown substance. Denver Police were dispatched due to the nature of the activity observed. The individual was observed leaving the area shortly with no further incident. The police officers were not observed on camera.

349872 We observed two individuals on NVR - 1, camera 6 at approximately 2:35 pm. One of the individuals appeared to vandalize the property. The audible alarms were activated. The individuals were observed leaving the area after the audible alarms were activated.

350125 An individual was observed loitering on NVR-1, camera 5 at approximately 2:55 am. The audible alarms were activated. The security officer was contacted and made aware of the activity. Police dispatch was not warranted because the security officer was observed making contact with the individual and appeared to direct them to leave the area.

350217 An individual was observed smoking an unknown substance on NVR-1, camera 15 at approximately 11:23 a.m. The audible alarms were activated. Police dispatch was not warranted because the individual appeared to leave the area and was no longer observed on camera shortly after the audible alarms were activated.

350235 The elevator on NVR - 1, camera 11 was observed vandalized at approximately 1:01 am. Upon review, an individual appeared to write graffiti on the elevator walls and leave the area shortly without further incident.

350805 An individual was observed loitering on NVR-1, camera 7 at approximately 1:00 am. The audible alarms were activated. The security officer was contacted and made aware of the activity. The security officer was observed making with the individual and appeared to direct them to leave the area.

351111 We observed an individual covering the camera with unknown material on NVR-1, camera 5 at approximately 11:03 pm. The audible alarms were activated. The security officer was contacted and made aware of the activity. The individual appeared to leave the area with no further incident observed. The security officer was observed removing the cover on the camera and left with no further incident.

351620 Two individuals were observed loitering on NVR-1, camera 24 at approximately 3:00 am. The audible alarms were activated. The security officer was contacted and made aware of the activity. Police dispatch was not warranted because the individuals appeared to leave the area with no further incident. The security officer was not observed on camera.

352072 An individual was observed loitering on NVR-1, camera 9 at approximately 2:13 am. The audible alarms were activated. The security officer was contacted and made aware of the activity. Police dispatch was not warranted because the individual appeared to leave the area with no further incident observed. The security officer was not observed on camera.

352145 An individual was observed loitering on NVR-1, camera 12 at approximately 5:40 am. The audible alarms were activated. Police dispatch was not warranted because the security officer was observed making contact with the individual and appeared to direct them to leave the area.

352366 An individual was observed damaging the elevator on NVR-1 camera 21 at approximately 8:44 pm. The security officer was contacted and made aware of the activity. The individual appeared to leave the area with no further incident observed. The security officer was not observed in the area.

352431 An individual was observed loitering on NVR-1, camera 12 at approximately 11:08 pm. The audible alarms were activated. The security officer was contacted and made aware of the activity. The security officers were observed making contact with the individual and appeared to direct them to leave the area.

352646 Two individuals were observed loitering and appeared to be using an unknown substance on NVR-1, camera 12 at approximately 2:38 pm. The audible alarms were activated. Police dispatch was not warranted because the individuals appeared to leave the area shortly after the audible alarms were activated.

352662 We observed two individuals vandalizing on NVR - 1, camera 14 at approximately 4:27 pm. The audible alarms were activated. The individuals appeared to leave the area afterward with no further incidents observed.

352805 Two individuals were observed loitering on NVR-1, camera 17 at approximately 11:05 pm. The audible alarms were activated. The security officer was contacted and made aware of the activity. The security officer was observed to make contact with the individuals and direct them to leave the area.

352464 An individual was observed loitering on NVR-1, camera 12, at approximately 12:15 am. The audible alarms were activated. The security officer was contacted and made aware of the activity. Police dispatch was not warranted because the security officer was observed making contact with the individual and appeared to direct them to leave the area.

352973 A vandalism was observed on NVR-1, camera 16 at approximately 6:27 am. Upon review, an individual was observed vandalizing the property and left with no further incident observed.

353605 Two individuals were observed loitering on NVR-1, camera 12 at approximately 10:10 pm. The audible alarms were activated. The security officer was contacted and made aware of the activity. Police dispatch was not warranted because the security officer was observed making contact with the individuals and appeared to escort them from the property.

353560 Two individuals were observed loitering on NVR-1, camera 12 at approximately 8:47 pm. The audible alarms were activated. The security officer was contacted and made aware of the activity. The security officer was observed making contact with the individuals and appeared to direct them to leave the area.

353674 Three individuals were observed loitering on NVR-1, camera 5 at approximately 12:12 am. The audible alarms were activated. The security officer was contacted and made aware of the activity. Police dispatch was not warranted because the security officers were observed making contact with the individuals and appeared to direct them to leave the area.

354135 An individual who appeared to be using an unknown substance was observed on NVR-1, camera 9 at approximately 3:01 am. The audible alarms were activated. Denver Police were dispatched due to the nature of the activity observed. The security officer was contacted and made aware of the activity. The responding officers were observed making contact with the individual and appeared to direct them to leave the area.

354158 An individual was observed loitering on NVR- 1, camera 13 at approximately 4:10 am. The audible alarms were activated. The security officer was contacted and made aware of the activity. The individual appeared to leave the area and were no longer observed on camera. The responding security officer was observed arriving.

354422 An individual was observed using an unknown substance on NVR-1 camera 22 at approximately 11:35 pm. The audible alarms were activated. The security officer was contacted and made aware of the activity. The individual appeared to leave the area with no further incident. The security officer was not observed in the area.

354601 Two individuals were observed loitering on NVR-1, camera 24 at approximately 5:05 am. The security officer was contacted and made aware of the activity. Police dispatch was not warranted because the security officer was observed making contact with the individuals and appeared to direct them to love the area.

354620 An individual was observed using an unknown substance on NVR-1, camera 15 at approximately 5:45 am. The security officer was contacted and made aware of the activity. The individual was observed leaving the area with no further incident. The security officer was not observed on camera.

354860 Two individuals were observed igniting firecrackers on NVR-1, camera 8 at approximately 10:01 pm. The audible alarms were activated. The security officer was contacted and made aware of the activity. The individual appeared to leave the area with no further incident observed. The security officer was not observed on camera.

355338 Two individuals were observed engaging in a lewd activity on NVR-1, camera 15 at approximately 10:08 pm. Denver Police were dispatched due to the nature of the activity observed. The individuals appeared to leave and were no longer observed on camera. The police officers were not observed on camera.

355919 A vandalisim was observed on NVR-1, camera 5 at approximately 9:59 am. Upon review, two individuals were observed putting stickers on the elevator walls.

- 355947 Two individuals were observed loitering on NVR-1, camera 24 at approximately 2:49 pm. The audible alarms were activated. Police dispatch was not warranted because the individuals appeared to leave the area after the audible alarms were activated.
- 355989 An individual was observed loitering on NVR-1, camera 20 at approximately 7:19 pm. The audible alarms were activated. The security officer was contacted and made aware of the activity. The security officer was observed making contact with the individual and appeared to clear them to be in the area. The individual appeared to remain with no further incident.
- 356059 Multiple individuals were observed loitering on NVR-1, camera 1 at approximately 9:43 pm. The audible alarms were activated. The security officer was contacted and made aware of the activity. The individuals appeared to leave the area before the security officer could arrive. The security officers were observed patrolling the area.

Escalation Reason	Site Identifier	Incident Datetime
Loitering/Trespassing	COMillenniumGate	6/1/2023 12:29:00 PM
Loitering/Trespassing	COMillenniumGate	6/2/2023 1:07:00 AM
Alcohol/Drug Activity	COMillenniumGate	6/2/2023 2:12:00 AM
Loitering/Trespassing	COMillenniumGate	6/2/2023 4:33:00 AM
Loitering/Trespassing	COMillenniumGate	6/2/2023 10:10:00 PM
Loitering/Trespassing	COMillenniumGate	6/3/2023 4:34:00 AM
Loitering/Trespassing	COMillenniumGate	6/4/2023 3:44:00 AM
Fire/Flood	COMillenniumGate	6/7/2023 3:52:00 AM
Alcohol/Drug Activity	COMillenniumGate	6/7/2023 9:29:00 AM
Loitering/Trespassing	COMillenniumGate	6/8/2023 8:01:00 AM
Loitering/Trespassing	COMillenniumGate	6/8/2023 8:33:00 PM

Loitering/Trespassing	COMillenniumGate	6/9/2023 2:58:00 AM
Loitering/Trespassing	COMillenniumGate	6/11/2023 7:02:00 AM
Loitering/Trespassing	COMillenniumGate	6/11/2023 7:01:00 PM
Alcohol/Drug Activity	COMillenniumGate	6/12/2023 1:51:00 AM
Loitering/Trespassing	COMillenniumGate	6/12/2023 5:45:00 AM
Alcohol/Drug Activity	COMillenniumGate	6/12/2023 9:27:00 AM
Vandalism/Property Damage	COMillenniumGate	6/12/2023 2:34:00 PM
Abnormal People Behavior	COMillenniumGate	6/13/2023 2:49:00 AM
Alcohol/Drug Activity	COMillenniumGate	6/13/2023 11:18:00 AM
Vandalism/Property Damage	COMillenniumGate	6/13/2023 1:01:00 PM
Loitering/Trespassing	COMillenniumGate	6/15/2023 12:31:00 AM



Vandalism/Property Damage	COMillenniumGate	6/15/2023 11:03:00 PM
Alcohol/Drug Activity	COMillenniumGate	6/17/2023 2:40:00 AM
Loitering/Trespassing	COMillenniumGate	6/18/2023 1:07:00 AM
Loitering/Trespassing	COMillenniumGate	6/18/2023 5:40:00 AM
Vandalism/Property Damage	COMillenniumGate	6/18/2023 8:43:00 PM
Loitering/Trespassing	COMillenniumGate	6/18/2023 11:04:00 PM
Alcohol/Drug Activity	COMillenniumGate	6/19/2023 2:37:00 PM
Vandalism/Property Damage	COMillenniumGate	6/19/2023 4:20:00 PM
Loitering/Trespassing	COMillenniumGate	6/19/2023 10:31:00 PM
Loitering/Trespassing	COMillenniumGate	6/19/2023 11:18:00 PM
Vandalism/Property Damage	COMillenniumGate	6/20/2023 5:02:00 AM

Loitering/Trespassing	COMillenniumGate	6/21/2023 8:30:00 PM
Loitering/Trespassing	COMillenniumGate	6/21/2023 8:37:00 PM
Loitering/Trespassing	COMillenniumGate	6/22/2023 12:10:00 AM
Alcohol/Drug Activity	COMillenniumGate	6/23/2023 2:27:00 AM
Alcohol/Drug Activity	COMillenniumGate	6/23/2023 4:04:00 AM
Alcohol/Drug Activity	COMillenniumGate	6/23/2023 11:28:00 PM
Alcohol/Drug Activity	COMillenniumGate	6/24/2023 4:54:00 AM
Alcohol/Drug Activity	COMillenniumGate	6/24/2023 5:40:00 AM
Fire/Flood	COMillenniumGate	6/24/2023 9:56:00 PM
Abnormal People Behavior	COMillenniumGate	6/25/2023 10:03:00 PM
Vandalism/Property Damage	COMillenniumGate	6/27/2023 9:56:00 AM

Alcohol/Drug Activity      COMillenniumGate      6/27/2023 2:45:00 PM

Loitering/Trespassing      COMillenniumGate      6/27/2023 7:16:00 PM

Loitering/Trespassing      COMillenniumGate      6/27/2023 9:39:00 PM

## Work Order Listing Report

WO Number	Unit Ref. Number	Service Provider	Status	Fixed Asset Serial #	Entry Date	Scheduled Date	Scheduled Time	Estimated Hours	Work Order Description
125242	CPV-16	EHERBERT	Closed		5/26/2023	5/26/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs. ððÿððÿ
125298	CPV-16	MKRU	Closed		5/30/2023	5/28/2023	12:00 AM	0.25	Bridge Walk...Checked bridge elevators to make sure they are operating correctly, checked, & looked for any graffiti, trash, damage, vandalism.
125624	CPV-16	MF	Closed		6/6/2023	5/26/2023	12:00 AM	1.00	Fire panel on east side is in alarm and will not silence. Researched monitoring company contact and called FAS to service fire panel.
125323	CPV-16	EHERBERT	Closed		5/30/2023	5/30/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125365	CPV-16	CFITZ	Closed		5/31/2023	5/31/2023	12:00 AM	0.75	Set up and took down extendable ladder for Stealth Monitoring.
125374	CPV-16	EHERBERT	Closed		5/31/2023	5/31/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125425	CPV-16	EHERBERT	Closed		6/1/2023	6/1/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125433	CPV-16	EHERBERT	Closed		6/2/2023	6/2/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125515	CPV-16	MKRU	Closed		6/5/2023	6/4/2023	12:00 AM	0.25	Bridge Walk...Checked bridge elevators to make sure they are operating correctly, checked, & looked for any graffiti, trash, damage, vandalism.
125546	CPV-16	EHERBERT	Closed		6/5/2023	6/5/2023	12:00 AM	0.50	Swept, wiped & mopped the elevators cabs.
125623	CPV-16	MF	Closed		6/6/2023	5/26/2023	12:00 AM	0.25	Contacted John Titley to replace film on East inside door.
125633	CPV-16	EHERBERT	Closed		6/6/2023	6/6/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125654	CPV-16	EHERBERT	Closed		6/7/2023	6/7/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125680	CPV-16	EHERBERT	Closed		6/8/2023	6/8/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125708	CPV-16	EHERBERT	Closed		6/9/2023	6/9/2023	12:00 AM	0.50	Swept, wiped & mopped the elevators cabs.
125795	CPV-16	EHERBERT	Closed		6/12/2023	6/12/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125817	CPV-16	MKRU	Closed		6/12/2023	6/11/2023	12:00 AM	0.25	Bridge Walk...Checked bridge elevators to make sure they are operating correctly, checked, & looked for any graffiti, trash, damage, vandalism.
125843	CPV-16	EHERBERT	Closed		6/13/2023	6/13/2023	12:00 AM	0.50	Removing the graffiti in the east side elevator cab
125845	CPV-16	EHERBERT	Closed		6/13/2023	6/13/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125869	CPV-16	EHERBERT	Closed		6/14/2023	6/14/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125886	CPV-16	JSNIDE	Closed		6/15/2023	6/15/2023	12:00 AM	0.25	Purchased cleaning supplies for bridge and elevator.
125906	CPV-16	EHERBERT	Closed		6/15/2023	6/15/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.

## Work Order Listing Report

WO Number	Unit Ref. Number	Service Provider	Status	Fixed Asset Serial #	Entry Date	Scheduled Date	Scheduled Time	Estimated Hours	Work Order Description
125932	CPV-16	MF	Closed		6/16/2023	5/30/2023	12:00 AM	1.00	Met Chris w/ FAS to evaluate fire panel on East side elevator room. Circuit board needs to be replaced. Also need to have FAS update records for reporting. Emailed BF.
125933	CPV-16	MF	Closed		6/16/2023	5/30/2023	12:00 AM	4.00	5/30/23 to 6/2/23. Checked the bridge and elevators for trash and graffiti.
125937	CPV-16	MF	Closed		6/16/2023	5/31/2023	12:00 AM	1.00	Met Lee w/ Stealth Monitoring. He was replacing surge protector/power supply in east side equipment room. He cleaned up cables and re-terminated connections. 18 cameras are back in operation.
125939	CPV-16	MF	Closed		6/16/2023	5/31/2023	12:00 AM	1.00	Carried extension ladder with CF over the bridge to the East side for Stealth monitoring to access camera on the rooftop. Returned ladder to storage after work was completed.
125945	CPV-16	EHERBERT	Closed		6/16/2023	6/16/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125976	CPV-16	MF	Closed		6/19/2023	6/5/2023	12:00 AM	5.00	6/5/23 to 6/9/23. Checked the bridge and elevators for trash and graffiti.
125979	CPV-16	MF	Closed		6/19/2023	6/5/2023	12:00 AM	1.00	Met John Titley on east side. Put 1/4-20 screw into jamb to keep metal panel from scrapping door and new graffiti film.
125991	CPV-16	MF	Closed		6/19/2023	6/12/2023	12:00 AM	5.00	6/12/23 to 6/16/23. Checked the bridge and elevators for trash and graffiti.
126030	CPV-16	MKRU	Closed		6/19/2023	6/18/2023	12:00 AM	0.25	Bridge Walk...Checked bridge elevators to make sure they are operating correctly, checked, & looked for any graffiti, trash, damage, vandalism.
126037	CPV-16	EHERBERT	Closed		6/19/2023	6/19/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
126104	CPV-16	EHERBERT	Closed		6/20/2023	6/20/2023	12:00 AM	0.50	Swept, wiped & mopped the elevators cabs.
126138	CPV-16	EHERBERT	Closed		6/21/2023	6/21/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
126196	CPV-16	EHERBERT	Closed		6/22/2023	6/22/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
126224	CPV-16	EHERBERT	Closed		6/23/2023	6/23/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
126313	CPV-16	JP	Closed		6/24/2023	6/24/2023	12:00 AM	1.00	Bridge Walk...Checked bridge elevators to make sure they are operating correctly, checked, & looked for any graffiti, trash, damage, vandalism.
126327	CPV-16	JP	Closed		6/24/2023	6/17/2023	12:00 AM	1.00	Bridge Walk...Checked bridge elevators to make sure they are operating correctly, checked, & looked for any graffiti, trash, damage, vandalism.

## Work Order Listing Report

WO Number	Unit Ref. Number	Service Provider	Status	Fixed Asset Serial #	Entry Date	Scheduled Date	Scheduled Time	Estimated Hours	Work Order Description
126359	CPV-16	MKRU	Closed		6/26/2023	6/25/2023	12:00 AM	0.25	Bridge Walk...Checked bridge elevators to make sure they are operating correctly, checked, & looked for any graffiti, trash, damage, vandalism.
126587	CPV-16	MF	Closed		7/5/2023	6/19/2023	12:00 AM	5.00	6/19/23 to 6/23/23. Checked the bridge and elevators for trash and graffiti.
126636	CPV-16	MF	Closed		7/6/2023	6/21/2023	12:00 AM	1.50	Met tech w/ Pie Barker on east side of bridge and gave access to fire panel to replace board and test signal.
125240	CPV-18	EHERBERT	Closed		5/26/2023	5/26/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125297	CPV-18	MKRU	Closed		5/30/2023	5/28/2023	12:00 AM	0.25	Bridge Walk...Checked bridge elevators to make sure they are operating correctly, checked, & looked for any graffiti, trash, damage, vandalism...West elevator was down, will call in Tuesday morning.
125322	CPV-18	EHERBERT	Closed		5/30/2023	5/30/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125373	CPV-18	EHERBERT	Closed		5/31/2023	5/31/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125424	CPV-18	EHERBERT	Closed		6/1/2023	6/1/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125432	CPV-18	EHERBERT	Closed		6/2/2023	6/2/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125514	CPV-18	MKRU	Closed		6/5/2023	6/4/2023	12:00 AM	0.25	Bridge Walk...Checked bridge elevators to make sure they are operating correctly, checked, & looked for any graffiti, trash, damage, vandalism.
125545	CPV-18	EHERBERT	Closed		6/5/2023	6/5/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125621	CPV-18	MF	Closed		6/6/2023	5/26/2023	12:00 AM	0.25	Called in west elevator in for service. Car stuck at top with doors closed. Non-responsive.
125629	CPV-18	EHERBERT	Closed		6/6/2023	6/6/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125653	CPV-18	EHERBERT	Closed		6/7/2023	6/7/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125679	CPV-18	EHERBERT	Closed		6/8/2023	6/8/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125707	CPV-18	EHERBERT	Closed		6/9/2023	6/9/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125794	CPV-18	EHERBERT	Closed		6/12/2023	6/12/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125815	CPV-18	MKRU	Closed		6/12/2023	6/11/2023	12:00 AM	0.25	Bridge Walk...Checked bridge elevators to make sure they are operating correctly, checked, & looked for any graffiti, trash, damage, vandalism.
125844	CPV-18	EHERBERT	Closed		6/13/2023	6/13/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125868	CPV-18	EHERBERT	Closed		6/14/2023	6/14/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125905	CPV-18	EHERBERT	Closed		6/15/2023	6/15/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.

## Work Order Listing Report

WO Number	Unit Ref. Number	Service Provider	Status	Fixed Asset Serial #	Entry Date	Scheduled Date	Scheduled Time	Estimated Hours	Work Order Description
125934	CPV-18	MF	Closed		6/16/2023	5/30/2023	12:00 AM	4.00	5/30/23 to 6/2/23. Checked the bridge and elevators for trash and graffiti.
125935	CPV-18	MF	Closed		6/16/2023	5/30/2023	12:00 AM	0.25	Called in West elevator for service. Nobody should up from original call in on 5/26/23
125943	CPV-18	EHERBERT	Closed		6/16/2023	6/16/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
125977	CPV-18	MF	Closed		6/19/2023	6/5/2023	12:00 AM	5.00	6/5/23 to 6/9/23. Checked the bridge and elevators for trash and graffiti.
125992	CPV-18	MF	Closed		6/19/2023	6/12/2023	12:00 AM	5.00	6/12/23 to 6/16/23. Checked the bridge and elevators for trash and graffiti.
126029	CPV-18	MKRU	Closed		6/19/2023	6/18/2023	12:00 AM	0.25	Bridge Walk...Checked bridge elevators to make sure they are operating correctly, checked, & looked for any graffiti, trash, damage, vandalism.
126036	CPV-18	EHERBERT	Closed		6/19/2023	6/19/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
126102	CPV-18	EHERBERT	Closed		6/20/2023	6/20/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
126105	CPV-18	EHERBERT	Closed		6/20/2023	6/20/2023	12:00 AM	0.50	Removed the graffiti in the west side elevator cab
126136	CPV-18	EHERBERT	Closed		6/21/2023	6/21/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
126193	CPV-18	EHERBERT	Closed		6/22/2023	6/22/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
126223	CPV-18	EHERBERT	Closed		6/23/2023	6/23/2023	12:00 AM	1.00	Swept, wiped & mopped the elevators cabs.
126358	CPV-18	MKRU	Closed		6/26/2023	6/25/2023	12:00 AM	0.25	Bridge Walk...Checked bridge elevators to make sure they are operating correctly, checked, & looked for any graffiti, trash, damage, vandalism.
126312	CPV-18	JP	Closed		6/24/2023	6/24/2023	12:00 AM	1.00	Bridge Walk...Checked bridge elevators to make sure they are operating correctly, checked, & looked for any graffiti, trash, damage, vandalism.
126326	CPV-18	JP	Closed		6/24/2023	6/17/2023	12:00 AM	1.00	Bridge Walk...Checked bridge elevators to make sure they are operating correctly, checked, & looked for any graffiti, trash, damage, vandalism.
126588	CPV-18	MF	Closed		7/5/2023	6/19/2023	12:00 AM	5.00	6/19/23 to 6/23/23. Checked the bridge and elevators for trash and graffiti.
125479	CPV-DIST	DL	Closed		6/4/2023	6/2/2023	12:00 AM	0.25	Cleaned the fountain strainer and checked the chlorine levels.
125503	CPV-DIST	DL	Closed		6/5/2023	6/5/2023	12:00 AM	0.75	Put up a canopy at the gardens across from Whole Foods.
125673	CPV-DIST	CFITZ	Closed		6/8/2023	6/7/2023	12:00 AM	1.50	Legionella water testing (Includes getting tests, testing, and drop off).
125914	CPV-DIST	DL	Closed		6/15/2023	6/15/2023	12:00 AM	0.25	Added chlorine in the plaza fountain. Cleaned the fountain strainer.

**Work Order Listing Report**

WO Number	Unit Ref. Number	Service Provider	Status	Fixed Asset Serial #	Entry Date	Scheduled Date	Scheduled Time	Estimated Hours	Work Order Description
125916	CPV-DIST	JSNIDE	Closed		6/15/2023	6/15/2023	12:00 AM	0.50	Researched & ordered chlorinating tablets for fountain
126127	CPV-DIST	DL	Closed		6/21/2023	6/21/2023	12:00 AM	0.50	Brought more chlorine to the pit for the fountain. Cleaned the exterior part of the fountain.
126188	CPV-DIST	MKRU	Closed		6/22/2023	6/22/2023	12:00 AM	0.50	Took down tent in music viewing area in front of Whole Foods, & discarded in the dumpster.
125489	CPV-DIST	DL	Closed		6/5/2023	6/4/2023	12:00 AM	0.25	Reset the fountain water alarm after it lost power.



### **CDR SCOPE OF SERVICES**

Upon prior approval of the District Manager, the Consultant will perform general maintenance and property upkeep of the District's property, including, but not limited to, paver repairs, table/bench and other furnishing repairs, cleaning, and maintaining public areas, vendor coordination, painting projects, HVAC preventative maintenance, fence maintenance, small construction projects, property welfare checks, general clean-up of areas of need or due to vandalism, and such other maintenance as directed by the District Manager.

### **CDR SERVICES RATE SCHEDULE**

A rate of Seventy Dollars (\$70.00) per hour (with no charge for the first 15 minutes of travel time), with a minimum charge of One Hundred and Fifty Dollars (\$150.00) plus cost of materials. Services require prior approval of the District Manager.