NOTICE OF EXEMPTION 2019078112

To: ☒ Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

☐ County Clerk
County of San Bernardino
385 N. Arrowhead Avenue, 2nd Floor
San Bernardino, CA 92415

From: Chaffey Joint Union High School District (Lead Agency)
211 West Fifth Street
Ontario, CA 91762

Project Title: Chaffey High School Pool Relocation

Project Location – Specific: 1245 N Euclid Avenue

Project Location – City: Ontario **Project Location – County:** San Bernardino

Description of Nature, Purpose, and Beneficiaries of Project: Chaffey Joint Union High School District (District) is planning to relocate the Chaffey High School swimming pool, named the Plunge, located on the Chaffey High School Campus in Ontario, CA (Figure 1). Located adjacent to the northeast of the football field, the plunge is 60' x 164' and was constructed in 1937 and recently it was determined to be beyond repair. In addition to heating system problems, the pool is non-CIF (California Interscholastic Federation) compliant. In order to bring the existing pool into compliance, it would have to be demolished and expanded, but the current location is too narrow to meet Division of the State Architect's (DSA) occupancy requirements. District's plans include building a new 75' x 125' pool north of the current location, replacing the tennis courts along W 5th Street, and filling in the existing pool for a Futsal Soccer area. Additional details are provided in the Attachment.

Name of Public Agency Approving Project: Chaffey Joint Union High School District

Name of Person or Agency Carrying Out Project: Chaffey Joint Union High School District

Exempt Status: (check one below)

☐ Ministerial (Sec. 21080(b)(1); 15268);
☐ Declared Emergency (Sec. 21080(b)(3); 15269(a));
☐ Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
☒ Categorical Exemption. Section 15314 of CEQA Guidelines, Class 1, Existing Facility
☐ Statutory Exemptions. State code number:

Governor's Office of Planning & Research
JUL 22 2019
STATE CLEARINGHOUSE

Reasons why project is exempt: See Attachment

Contact Person: **Area Code/Telephone/Extension:**

Michael Harrison, Director Operations Chaffey Joint Unified School District (909) 988.8511

If filed by applicant:

1. Attach certified document of exemption findings
2. Has a Notice of Exemption been filed by the public agency approving the project ☐ Yes ☐ No

Date Received for Filing: 7/17/2019

Signature: Title: Director of Operations and Planning

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ATTACHMENT TO NOTICE OF EXEMPTION
CHAFFEY HIGH SCHOOL POOL RELOCATION, ONTARIO, CALIFORNIA
SUPPLEMENTAL INFORMATION

1. Description of the Project

Chaffey Joint Union High School District (District) is planning to relocate the Chaffey High School swimming pool, named the Plunge, located on the Chaffey High School Campus in Ontario, CA (Figure 1). Located adjacent to the northeast of the football field, the plunge is 60' x 164' and was constructed in 1937 and recently it was determined to be beyond repair. In addition to heating system problems and consistent mechanical failure of the pool divider, the pool is non-CIF (California Interscholastic Federation) compliant. In order to provide the campus with a CIF compliant pool, the existing pool would need to be demolished and expanded, but the current location is too narrow to meet Division of the State Architect's (DSA) occupancy requirements. District's plans include building a new 75' x125' pool approximately 125 feet to the north of the current location – removing the tennis courts along W 5th Street – and filling in the existing pool for a Futsal Soccer area. The plans involve installing four 60-foot pole mounted lights around the pool. A lighting impact assessment, conducted by Musco Lighting, concludes that the glare impact on the residential dwelling along W 5th Street would be minimal. The study is attached. In addition to the lights, there will also be a shade structure north of the pool and a set of aluminum bleachers as shown in the attached lighting report.

2. Description of the Existing Setting of the Site and Adjacent Areas

The project consists of filling in the current swimming pool and building a new CIF compliant pool approximately 125 north of the current location on the campus of Chaffey High School located at 1245 N. Euclid Avenue in Ontario, California 91762 (see Figure 1, *Regional Location*). The school, which opened in 1901 as Ontario High School, was renamed Chaffey High School in 1911 and currently serves approximately 3,231 students in grades 9-12 on a traditional calendar-year schedule. The school is in a residential neighborhood and is bounded by Euclid Avenue to the west, W. 4th Street to the south, W. 5th Street to the north, and residential properties to the west, as shown on Figure 2, *Aerial Photograph*. Residential homes, primarily single-family, are present across the bordering streets in all directions.

3. Reasons Why This Project is Exempt

The proposed project qualifies for a Categorical Exemption under Class 1, Existing Facility, (CEQA Guidelines Section 15301). Class 1 consists of the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination. The proposed project consists of the replacement and relocation of a swimming pool that is currently non-CIF compliant and was constructed in 1937. The goal of the project is to provide the Chaffey High School campus with a swimming pool that is not in disrepair, in compliance with CIF regulation, and meet DSA occupancy standards. The project does not increase student capacity of the school, and does not increase the square feet of the swimming pool. Therefore, the project qualifies for a Class 1 exemption.

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4. Review of Possible Exceptions to the Categorical Exemption

The proposed project has been reviewed under Section 15300.2 for any characteristics or circumstances that might invalidate findings that the project is exempt from CEQA, as follows:

a. **Cumulative Impacts:** The proposed project is not related to any other "successive projects of the same kind in the same place over time;" therefore, no significant cumulative impacts are possible.

b. **Significant Effects:** There is no reasonable possibility that the proposed project would have a significant effect on the environment as planned or under "unusual circumstances." The site is already developed with a school and is in a built-out residential neighborhood in the City of Ontario; therefore, impacts to sensitive biological receptors, cultural resources, or scenic views would not occur. Similarly, because the project would not change the capacity of the school or alter transportation routes or drop-off zones, there would be no impacts on population, public services, recreation, utilities, and transportation systems. Due to project scale, air, noise, and transportation impacts during construction would be temporary and less than significant and would be governed by local ordinances for construction projects. Given these considerations, potentially significant environmental impacts are not anticipated.

c. **Scenic Highways:** The existing school site and surrounding environs are fully developed, and the campus does not contain any scenic resources, including historical buildings, rock outcroppings, or trees of biological or exceptional aesthetic significance. There are no state scenic highways in the vicinity of the project site. The nearest officially designated state scenic highway is State Route 91, which traverses the Santa Ana River roughly 18 miles southwest of the site (Caltrans 2011). Therefore, the project would not damage or impair any scenic resources.

d. **Hazardous Waste Sites:** Subsection 15300.2(e) of the CEQA Guidelines states that a categorical exemption shall not be used for a project located on a site which is included on any list compiled pursuant to Section 65962.5 of the California Government Code. Section 65962.5 specifies lists of the following types of hazardous materials sites: hazardous waste facilities; hazardous waste discharges for which the State Water Quality Control Board has issued certain types of orders; public drinking water wells containing detectable levels of organic contaminants; underground storage tanks with reported unauthorized releases; and solid waste disposal facilities from which hazardous waste has migrated.

   Based on a review of the of the EnviroStor, GeoTracker and EnviroMapper databases, the project site is listed on EnviroMapper as a small quantity generator of hazardous waste. EnviroStor shows the high school had a Phase I and Phase I addendum done for the construction of a new three-story science building and received a No Further Action Required notice from the DTSC on November 6, 2015. Therefore, the proposed project would not create hazards related to the disturbance of, or exposure to, a hazardous waste site.

e. **Historical Resources:** There are resources on or near the campus that are listed on the California Register of Historic Resources (COHP 2019) and the National Register of Historic Places (NPS 2019). The City of Ontario maintains a local register of historic resources, which list the Memorial Library, GWS Auditorium, North Hall, and Tower hall as structures that have historical

significance (City of Ontario 2019). The Plunge pool is not included in any of the historical databases as an individual contributor to a historic district or as a structure of significance.

Overall, the project is not considered to be an adverse impact and will not require any mitigation measures. The proposed improvements should be permitted to bring the school's pool facility into CIF and DSA compliance.

References:

California Department of Education, 2019. 2018-2019 Enrollment by Grade: Chaffey High Report. Accessed 25 June 2019. https://dq.cde.ca.gov/dataquest/dqcensus/enrgrdlevels.aspx?agglevel=School&year=2018-19&cds=36676523632205.

California Department of Transportation (Caltrans). 2011, September 7. California Scenic Highway Mapping System. http://www.dot.ca.gov/hq/LandArch/16_livability/scenic_highways/.

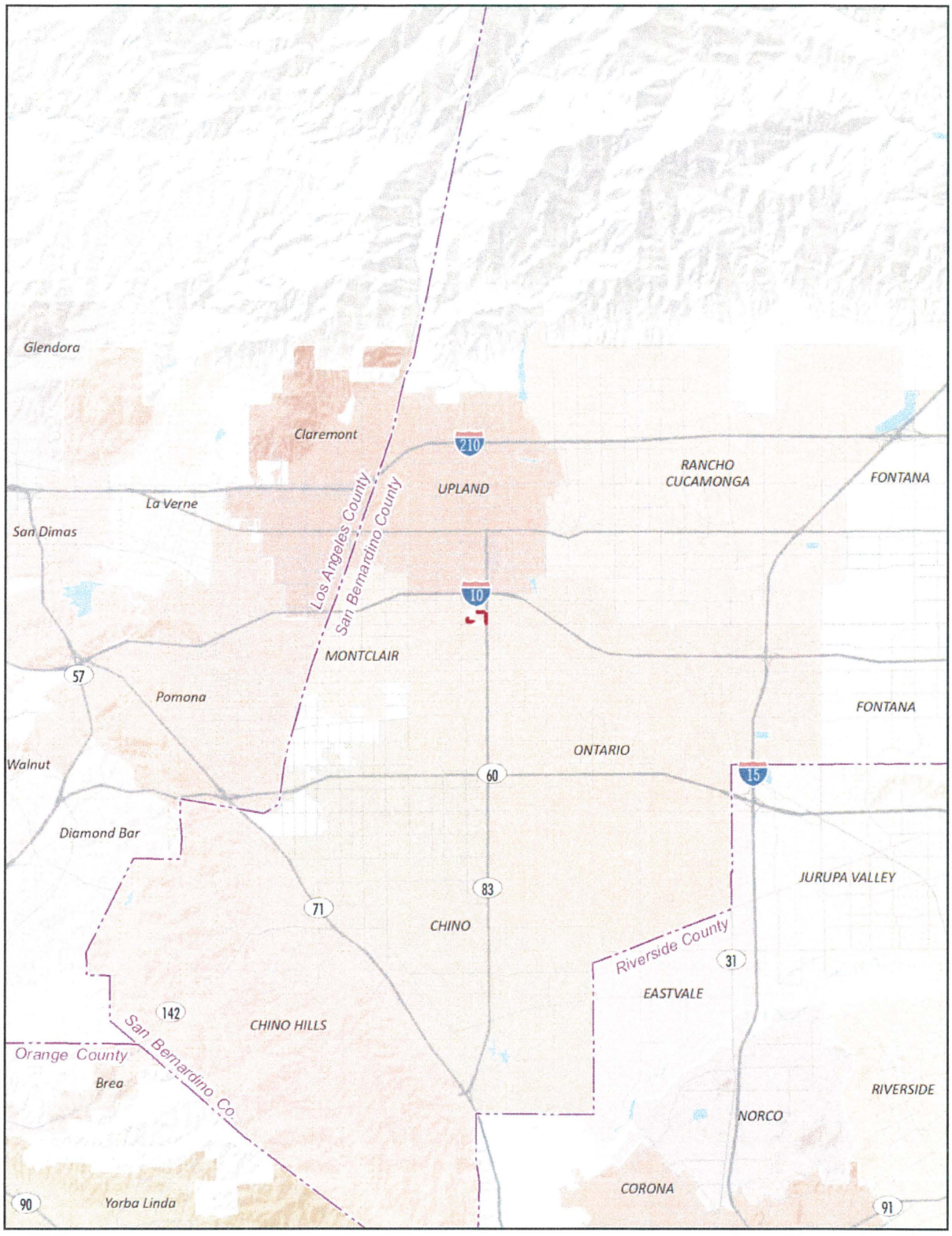
California Office of Historic Preservation (COHP). 2016. California Historical Landmarks. http://ohp.parks.ca.gov/?page_id=21387.

City of Ontario, 2019. Planning Department Historic Preservation Properties & Neighborhoods. http://chrid.ontarioca.gov/ChridNEW/index.aspx.

McKenna et. al. 2015. An Assessment of Improvements to the Gardiner W. Spring (GWS) Auditorium, Chaffey High School, 1245 North Euclid Avenue, Ontario, San Bernardino County, California.

National Park Service (NPS). 2019. National Register of Historic Places. http://www.nps.gov/nr/.

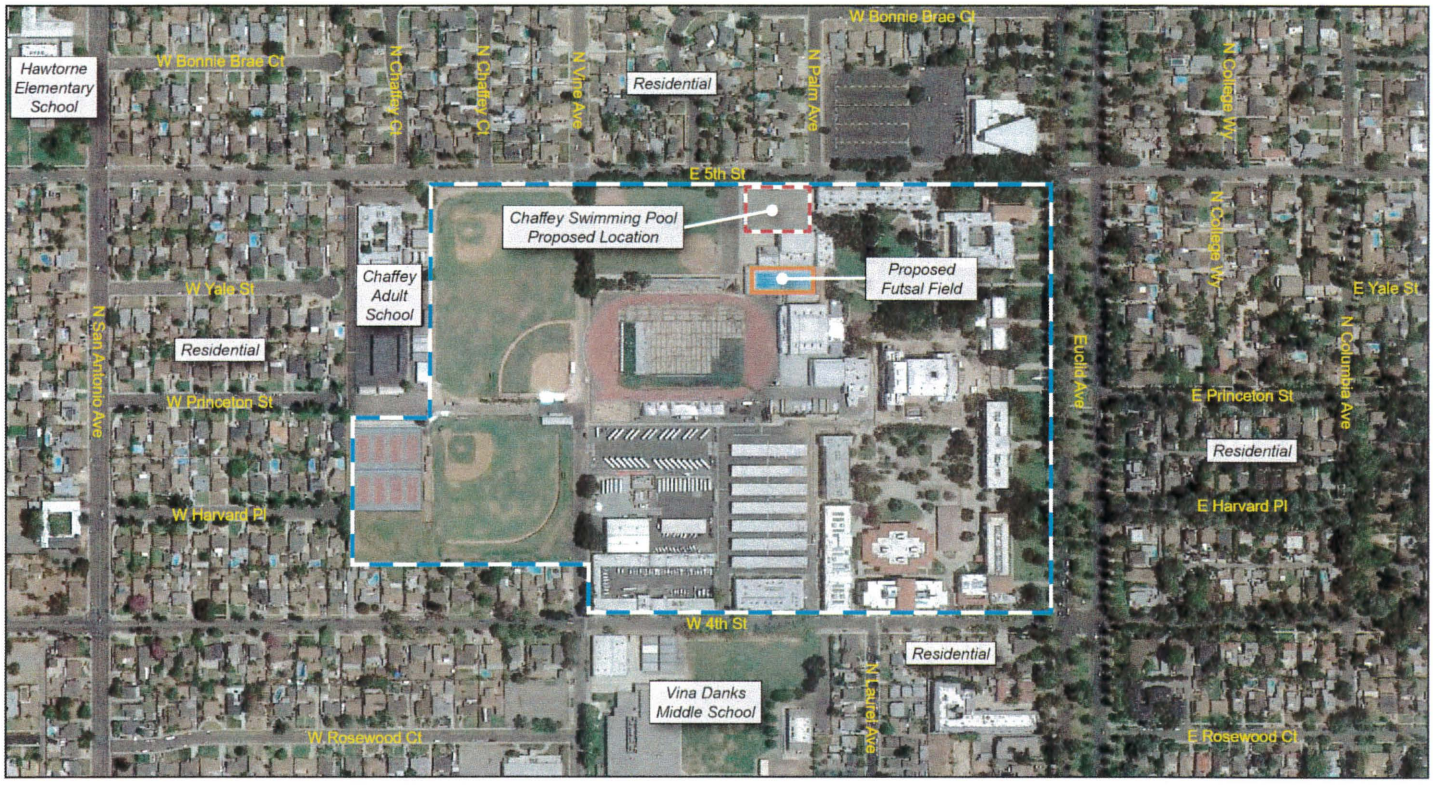
Figure 1 - Regional Location



0 3
Scale (Miles)

Source: ESRI, 2019

Figure 2 - Aerial Photograph



School Boundary

0 400
Scale (Feet)

Source: Google Earth Pro, 2019

PlaceWorks

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[DSA] Chaffey High School Aquatic Center

Ontario,CA

Lighting System

Pole / Fixture Summary

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
P1-P4	60'	40'	2	CREE OSQ	0.26 kW	B
		60'	3	TLC-LED-1150	3.45 kW	A
4			***20***		***14.84 kW***	

Circuit Summary

Circuit	Description	Load	Fixture Qty
A	Pool	13.8 kW	12
B	Egress	1.04 kW	8

Fixture Type Summary

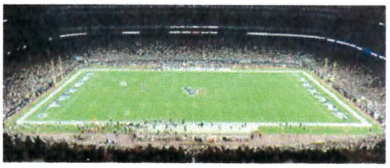
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
CREE OSQ	LED 5700K - 70 CRI	130W	17,000	--	--	--	8
TLC-LED-1150	LED 5700K - 75 CRI	1150W	121,000	>81,000	>81,000	>81,000	12

Light Level Summary

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Deck Area	Horizontal	46.4	17	61	3.51	2.73	A	12
Egress	Horizontal Illuminance	2.83	1	4	3.43	2.83	B	8
Pool	Horizontal Illuminance	63.1	57	73	1.30	1.11	A	12
Spill at north side of 5th Street	Horizontal	0.01	0	0.02	0.00		A	12
Spill at north side of 5th Street	Max Candela (by Fixture)	542	0	1014	0.00		A	12
Spill at north side of 5th Street	Max Vertical Illuminance Metric	0.02	0	0.04	0.00		A	12

From Hometown to Professional



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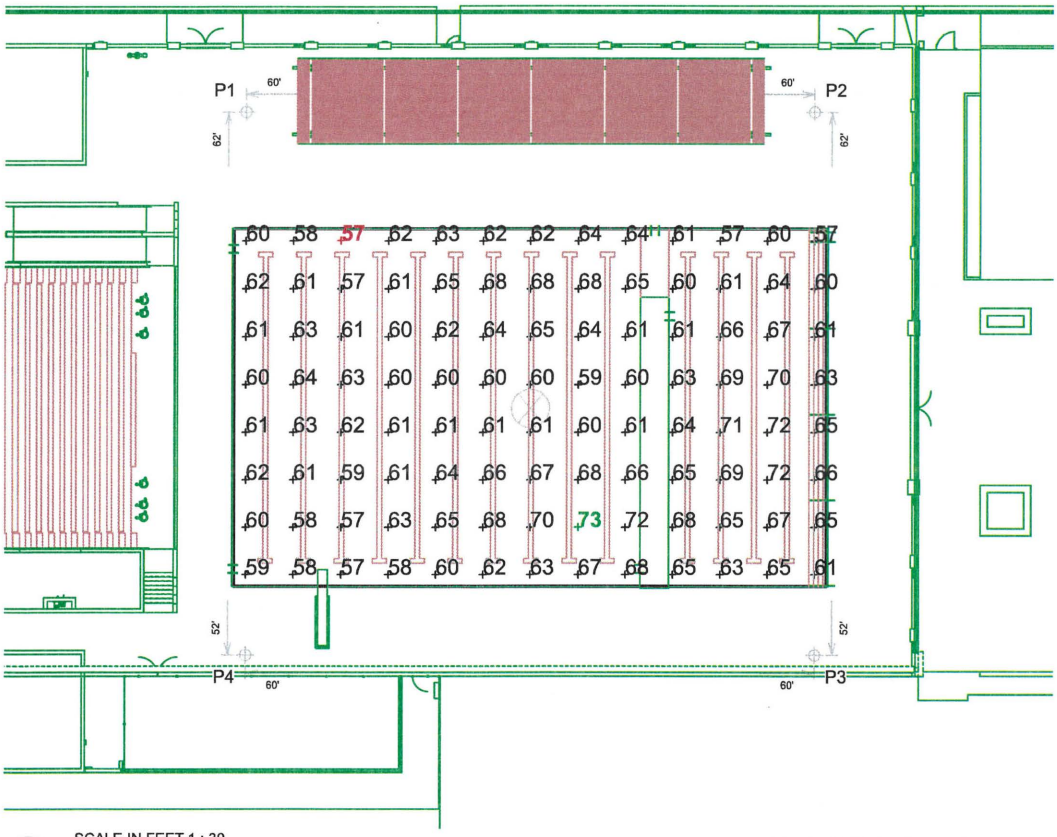
EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	P1-P4	60'	-	40'	CREE OSQ	2	0	2
				60'	TLC-LED-1150	3	3	0
4	TOTALS					20	12	8



SCALE IN FEET 1 : 30

0' 30' 60'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: C.Kitzman • File #195125 • 12-Oct-18

[DSA] Chaffey High School Aquatic Center
Ontario,CA

GRID SUMMARY

Name:	**Pool**
Size:	125' x 75'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**50**
Scan Average:	63.07
Maximum:	73
Minimum:	57
Avg / Min:	1.11
Guaranteed Max / Min:	**2**
Max / Min:	1.30
UG (adjacent pts):	1.12
CU:	0.49
No. of Points:	104

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	121,000 lumens
No. of Luminaires:	**12**
Total Load:	13.8 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1150	>81,000	>81,000	>81,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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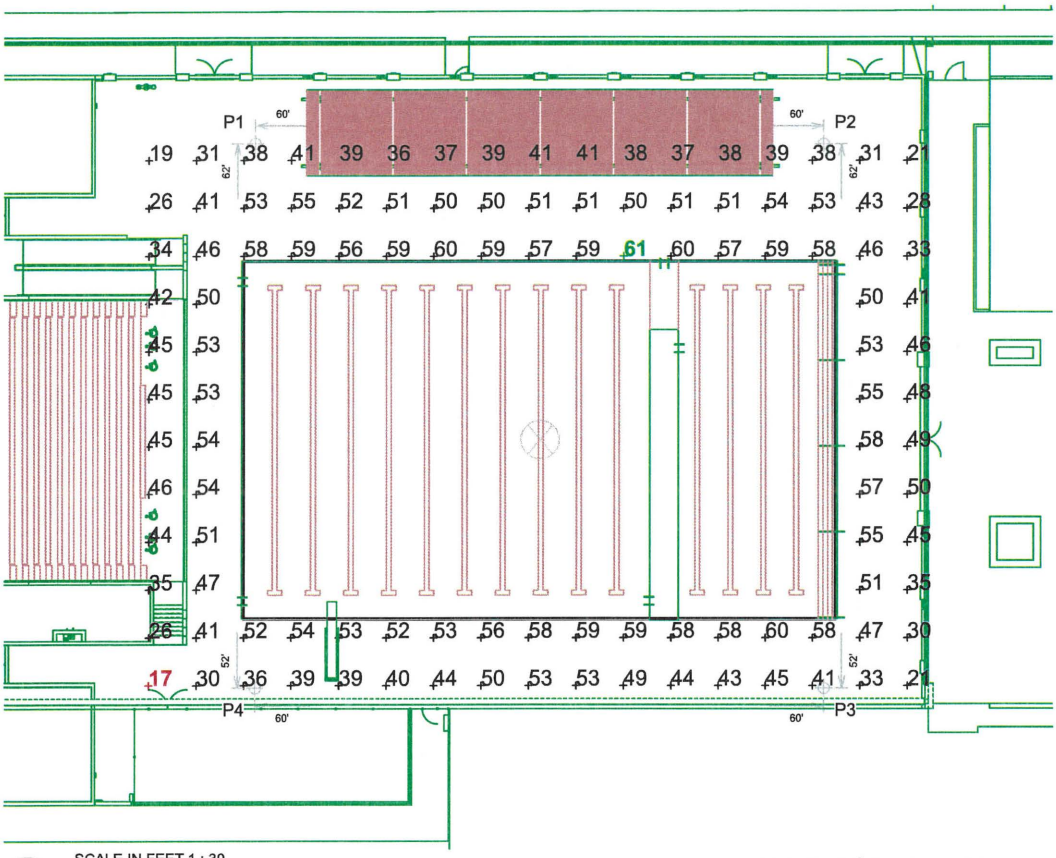
ILLUMINATION SUMMARY

20190781 12

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	P1-P4	60'	-	40'	CREE OSQ	2	0	2
				60'	TLC-LED-1150	3	3	0
4	TOTALS					20	12	8



SCALE IN FEET 1 : 30

0' 30' 60'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

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[DSA] Chaffey High School Aquatic Center
Ontario,CA

GRID SUMMARY

Name:	**Deck Area**
Size:	125' x 75'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**25**
Scan Average:	46.41
Maximum:	61
Minimum:	17
Avg / Min:	2.67
Guaranteed Max / Min:	**4**
Max / Min:	3.51
UG (adjacent pts):	1.73
CU:	0.39
No. of Points:	113

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	121,000 lumens
No. of Luminaires:	**12**
Total Load:	13.8 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1150	>81,000	>81,000	>81,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

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Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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ILLUMINATION SUMMARY

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EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	P1-P4	60'	-	40'	CREE OSQ	2	2	0
				60'	TLC-LED-1150	3	0	3
4	TOTALS					20	8	12

[DSA] Chaffey High School Aquatic Center
Ontario,CA

GRID SUMMARY

Name:	**Egress**
Size:	195' x 127'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

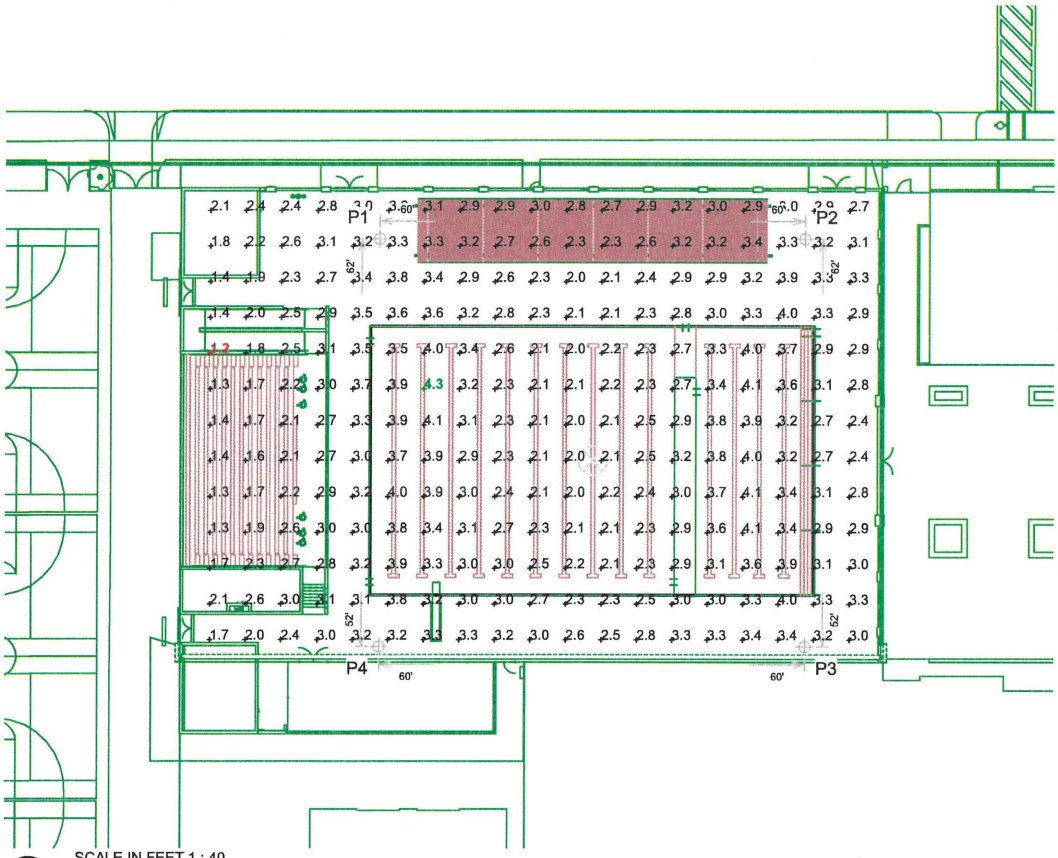
	Entire Grid
Scan Average:	**2.83**
Maximum:	4
Minimum:	1
Avg / Min:	2.27
Max / Min:	**3.43**
UG (adjacent pts):	1.46
CU:	0.53
No. of Points:	247

LUMINAIRE INFORMATION

Color / CRI:	5700K - 70 CRI
Luminaire Output:	17,000 lumens
No. of Luminaires:	**8**
Total Load:	1.04 kW

	Lumen Maintenance		
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
CREE OSQ	--	--	--

Reported per TM-21-11. See luminaire datasheet for details.



SCALE IN FEET 1 : 40

0' 40' 80'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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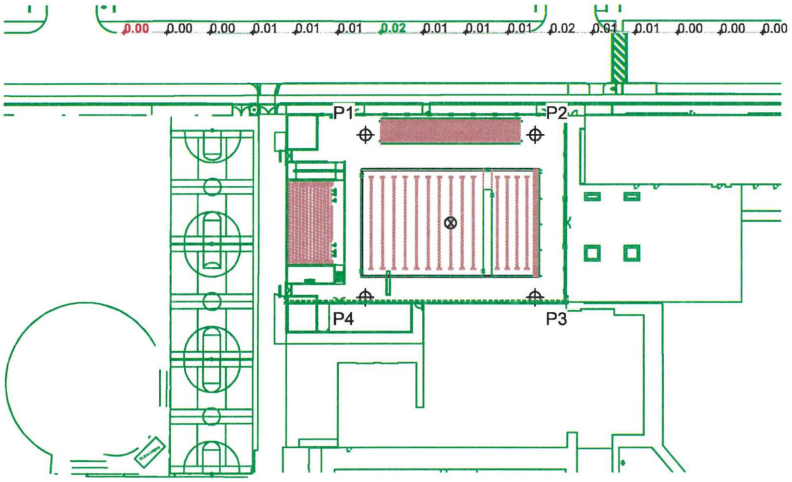
ILLUMINATION SUMMARY

20190781 12

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	P1-P4	60'	-	40'	CREE OSQ	2	0	2
				60'	TLC-LED-1150	3	3	0
4	TOTALS					20	12	8



SCALE IN FEET 1 : 100

0' 100' 200'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

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[DSA] Chaffey High School Aquatic Center
Ontario,CA

GRID SUMMARY

Name: Spill at north side of 5th Street
Spacing: 30.0'
Height: 3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Scan Average:	0.0068
Maximum:	0.02
Minimum:	0.00
No. of Points:	16

LUMINAIRE INFORMATION

Color / CRI: 5700K - 75 CRI
Luminaire Output: 121,000 lumens
No. of Luminaires: 12
Total Load: 13.8 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1150	>81,000	>81,000	>81,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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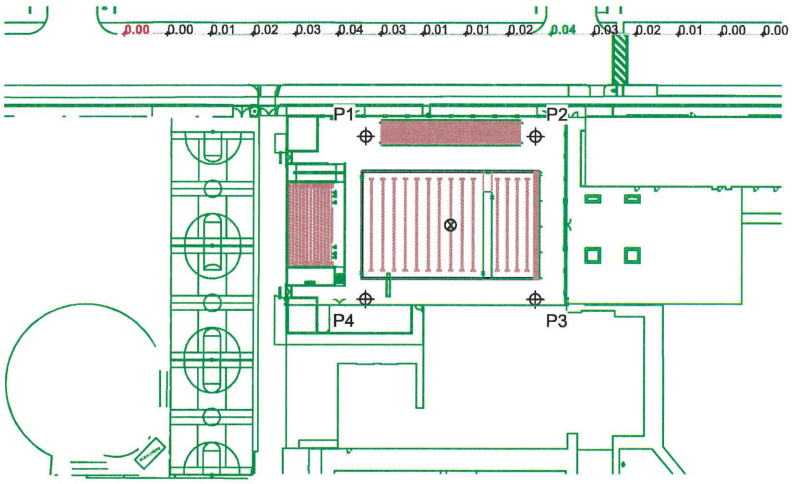
ILLUMINATION SUMMARY

20190781 12

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	P1-P4	60'	-	40'	CREE OSQ	2	0	2
				60'	TLC-LED-1150	3	3	0
4	TOTALS					20	12	8



[DSA] Chaffey High School Aquatic Center
Ontario,CA

GRID SUMMARY

Name:	**Spill at north side of 5th Street**
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED MAX VERTICAL FOOTCANDLES

	Entire Grid
Scan Average:	**0.0176**
Maximum:	0.04
Minimum:	0.00
No. of Points:	16

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	121,000 lumens
No. of Luminaires:	**12**
Total Load:	13.8 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1150	>81,000	>81,000	>81,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 100

0' 100' 200'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: C.Kitzman • File #195125 • 12-Oct-18

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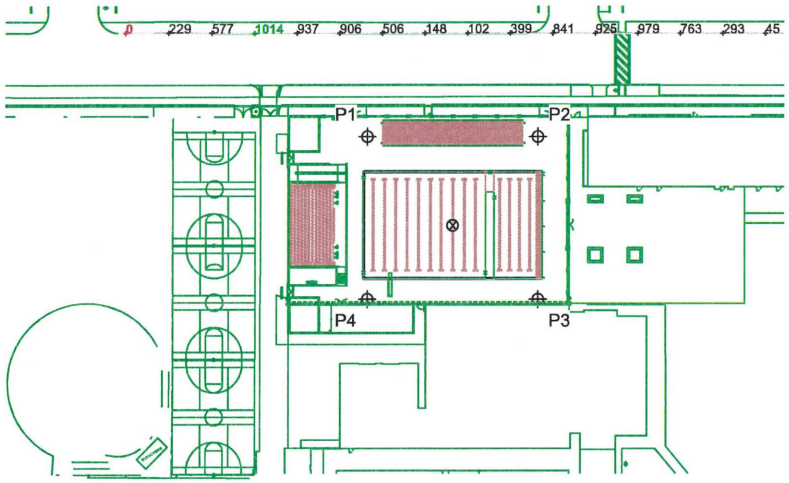
EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	P1-P4	60'	-	40'	CREE OSQ	2	0	2
				60'	TLC-LED-1150	3	3	0
4	TOTALS					20	12	8



[DSA] Chaffey High School Aquatic Center
Ontario,CA

GRID SUMMARY

Name:	**Spill at north side of 5th Street**
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED CANDELA (PER FIXTURE)

	Entire Grid
Scan Average:	541.5086
Maximum:	1013.78
Minimum:	0.00
No. of Points:	16

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	121,000 lumens
No. of Luminaires:	**12**
Total Load:	13.8 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-LED-1150	>81,000	>81,000	>81,000

Reported per TM-21-11. See luminaire datasheet for details.

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Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 100

0' 100' 200'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: C.Kitzman • File #195125 • 12-Oct-18

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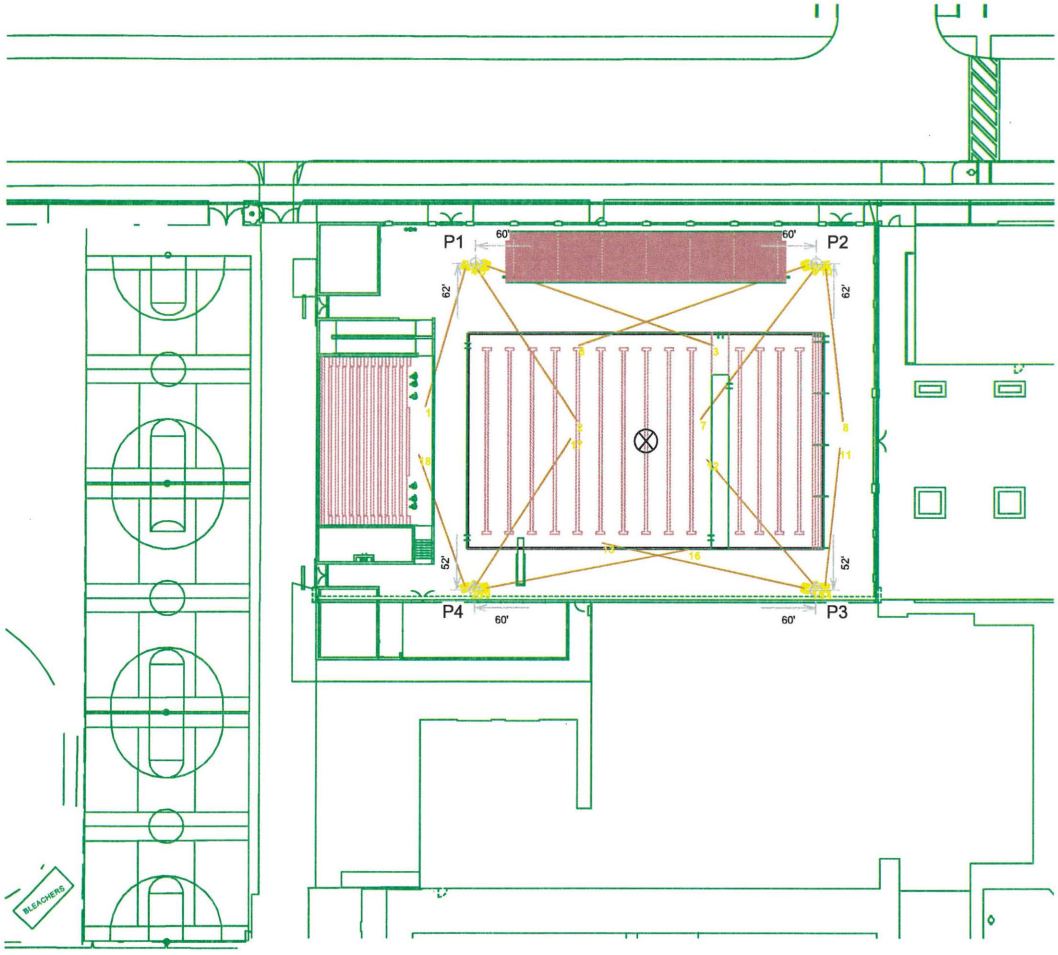
ILLUMINATION SUMMARY

20190781 12



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Ontario,CA

EQUIPMENT LAYOUT

INCLUDES:
· Egress
· Pool

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires		
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE
4	P1-P4	60'	-	40'	CREE OSQ	2
				60'	TLC-LED-1150	3
4	TOTALS					20

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Ballast Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Cree OSQ	-	-	-	-	-	-	-
TLC-LED-1150	6.8	6.5	5.9	5.1	4.1	3.7	3.0

SCALE IN FEET 1 : 50
0' 50' 100'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

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musco Lighting
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EQUIPMENT LAYOUT

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GLARE IMPACT

Summary

Map indicates the maximum candela an observer would see when facing the brightest light source from any direction.

A well-designed lighting system controls light to provide maximum useful on-field illumination with minimal destructive off-site glare.

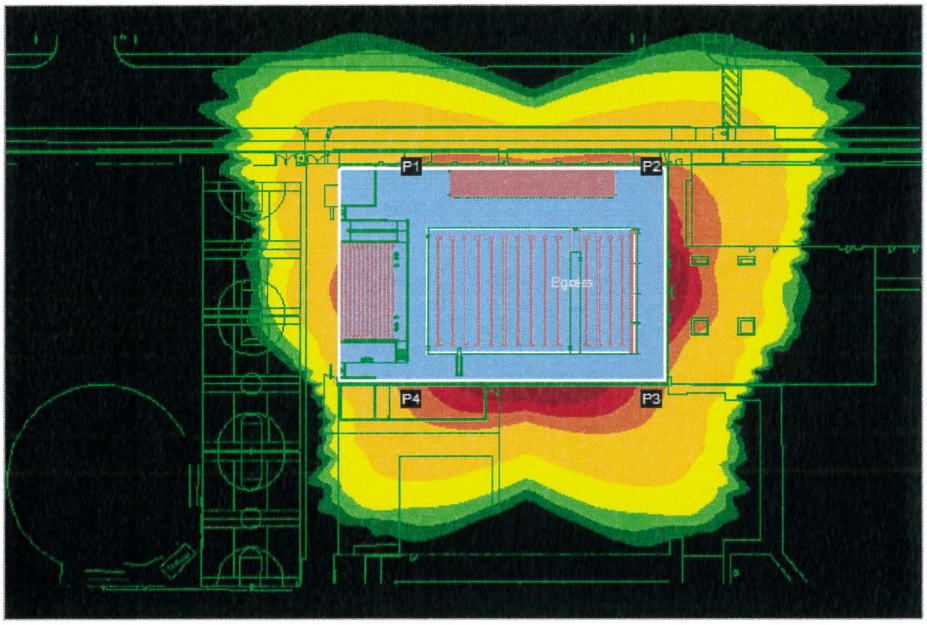
GLARE

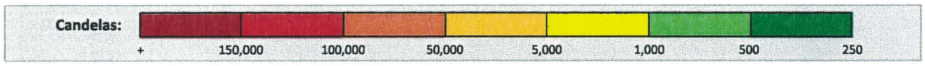
Candela Levels

High Glare: 150,000 or more candela
Should only occur on or very near the lit area where the light source is in direct view. Care must be taken to minimize high glare zones.

Significant Glare: 25,000 to 75,000 candela
Equivalent to high beam headlights of a car.

Minimal to No Glare: 500 or less candela
Equivalent to 100W incandescent light bulb.





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