Rancho Potrero Community Equestrian Center Newbury Park, CA

Lighting System

l	Pole/Fixture Sur	nmary					
L	Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
I	P1-P6	30'	30'	2	TLC-LED-550	1.08 kW	А
L	6			12		6.48 kW	

Circuit Summary									
	Circuit	Description	Load	Fixture Qty					
	Α	Arena	6.48 kW	12					

Fixture Type Summary							
Туре	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-550	LED 5700K - 75 CRI	540W	67,000	>120,000	>120,000	>120,000	12

Single Luminaire Amperage Draw Chart											
Driver Specifications		Lin	e Ampe	rage Per	Lumina	ire					
(.90 min power factor)	(max draw)										
Single Phase Voltage	208	220	240	277	347	380	480				
Single Flidse Voltage	(60)	(60)	(60)	(60)	(60)	(60)	(60)				
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.8	1.4				

Light Level Summary

culation Grid Summary								
Grid Name	Calculation Metric				Circuits	Fixture		
Griu Name		Ave	Min	Max	Max/Min	Ave/Min	Circuits	Qty
Arena	Horizontal Illuminance	14.66	10	19	1.89	1.46	A	12
Blanket Grid	Horizontal	2.37	0	19	-	-	A	12
East Property Line Spill	Horizontal	0.00	0	0	-	-	A	12
East Property Line Spill	Max Candela (by Fixture)	0.00	0	0	-	-	A	12
East Property Line Spill	Max Vertical Illuminance Metric	0.00	0	0	-	-	A	12
Lynn Rd Spill	Horizontal	0.00	0	0	-	-	A	12
Lynn Rd Spill	Max Candela (by Fixture)	0.00	0	0	-	-	A	12
Lynn Rd Spill	Max Vertical Illuminance Metric	0.00	0	0	-	-	A	12
North Property Line Spill	Horizontal	0.00	0	0	-	-	A	12
North Property Line Spill	Max Candela (by Fixture)	0.00	0	0	-	-	A	12
North Property Line Spill	Max Vertical Illuminance Metric	0.00	0	0	-	-	A	12
South Property Line Spill	Horizontal	0.00	0	0	-	-	A	12
South Property Line Spill	Max Candela (by Fixture)	2.25	0	129	-	-	A	12
South Property Line Spill	Max Vertical Illuminance Metric	0.00	0	0	-	-	A	12
West Property Line Spill	Horizontal	0.00	0	0	-	0.00	A	12
West Property Line Spill	Max Candela (by Fixture)	0.00	0	0	-	-	A	12
West Property Line Spill	Max Vertical Illuminance Metric	0.00	0	0	-	0.00	A	12



From Hometown to Professional

NOTES: All fixtures in this design are dimmed to a 50% output.



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PROJECT SUMMARY

Equi	Equipment List For Areas Shown														
	Pole	5			Luminaires										
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS							
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0							
6				Totals		12	12	0							



Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) \bigotimes

Rancho Potrero Community Equestrian Cente

Newbury Park, CA

Grid Summary

Name Arena Size 170' x 120' Spacing 20.0' x 20.0' Height 3.0' above grade

Illumination Summary

	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Scan Average	14.66
Maximum	19
Minimum	10
Avg/Min	1.46
Max/Min	1.89
UG (adjacent pts)	1.61
CU	0.84
No. of Points	54
LUMINAIRE INFORMATION	
Applied Circuits	A
No. of Luminaires	12
Total Load	6.48 kW

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 $\pm 3\%$ nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

NOTES: All fixtures in this design are dimmed to a 50% output.



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Equi	Equipment List For Areas Shown														
	Pole	5			Luminaires										
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS							
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0							
6				Totals		12	12	0							

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120' ENGINEERED DESIGN By: C.Hensley • File #201822Or1-50 • 14-Jun-24 Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) \bigotimes

Rancho Potrero Community Equestrian Cent						
Newbury Park, CA						
Grid Summary						
Name	Blanket Grid					
Spacing	20.0' x 20.0'					
Height	3.0' above grade					
Illumination Summa	ry					
	MAINTAINED HORIZONTAL FOOTCANDLES					
	Entire Grid					
Scan Average	2.37					
Maximum	19					
Minimum	0					
Avg/Min	-					
Max/Min	-					
UG (adjacent pts)	121.23					
CU	1.00					
No. of Points	399					
LUMINAIRE INFORMATION						
Applied Circuits	A					
No. of Luminaires	12					
Total Load	6.48 kW					

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.

NOTES: All fixtures in this design are dimmed to a 50% output. Contour lines shows cutoff of horizontal light at 1.0 Fc.



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Equi	Equipment List For Areas Shown														
	Pole	5			Luminaires										
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS							
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0							
6				Totals		12	12	0							



Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) 🚫

Rancho Potrero Community Equestrian Cente

Newbury Park, CA

Grid Summary

Name North Property Line Spill Spacing 30.0' x 10.0' Height 3.0' above grade

Illumination Summary										
	MAINTAINED HORIZONTAL FOOTCANDLES									
	Entire Grid									
Scan Average	0.00									
Maximum	0									
Minimum	0									
Avg/Min	-									
Max/Min	-									
UG (adjacent pts)	0.00									
No. of Points	69									
LUMINAIRE INFORMATION										
Applied Circuits	A									
No. of Luminaires	12									
Total Load	6.48 kW									

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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.

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NOTES: All fixtures in this design are dimmed to a 50% output.



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Equi	Equipment List For Areas Shown												
Pole Luminaires													
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS					
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0					
6		Totals					12	0					



Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) 🚫

Rancho Potrero Community Equestrian Cente

Newbury Park, CA

Grid Summary

Name North Property Line Spill Spacing 30.0' x 10.0' Height 3.0' above grade

Illumination Summa	Illumination Summary							
	MAINTAINED MAX VERTICAL FOOTCANDLES							
	Entire Grid							
Scan Average	0.00							
Maximum	0							
Minimum	0							
Avg/Min	-							
Max/Min	-							
UG (adjacent pts)	0.00							
No. of Points	69							
LUMINAIRE INFORMATION								
Applied Circuits	A							
No. of Luminaires	12							
Total Load	6.48 kW							

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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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NOTES: All fixtures in this design are dimmed to a 50% output.



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Equi	Equipment List For Areas Shown												
Pole Luminaires													
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS					
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0					
6		Totals						0					



Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) 🚫

Rancho Potrero Community Equestrian Cente

Newbury Park, CA

Grid Summary

Name North Property Line Spill Spacing 30.0' x 10.0' Height 3.0' above grade

Illumination Summa	Illumination Summary							
	MAINTAINED MAX CANDELA (PER FIXTURE)							
	Entire Grid							
Scan Average	0.00							
Maximum	0							
Minimum	0							
Avg/Min	-							
Max/Min	-							
UG (adjacent pts)	0.00							
No. of Points	69							
LUMINAIRE INFORMATION								
Applied Circuits	A							
No. of Luminaires	12							
Total Load	6.48 kW							

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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.

NOTES: All fixtures in this design are dimmed to a 50% output.



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Equi	Equipment List For Areas Shown												
Pole Luminaires													
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS					
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0					
6		Totals						0					



Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) \bigotimes

Rancho Potrero Community Equestrian Cente

Newbury Park, CA

Grid Summary

Name East Property Line Spill Spacing 30.0' x 10.0' Height 3.0' above grade

Illumination Summa	Illumination Summary							
	MAINTAINED HORIZONTAL FOOTCANDLES							
	Entire Grid							
Scan Average	0.00							
Maximum	0							
Minimum	0							
Avg/Min	-							
Max/Min	-							
UG (adjacent pts)	0.00							
No. of Points	20							
LUMINAIRE INFORMATION								
Applied Circuits	A							
No. of Luminaires	12							
Total Load	6.48 kW							

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.

NOTES: All fixtures in this design are dimmed to a 50% output.



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Equi	Equipment List For Areas Shown												
Pole Luminaires													
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS					
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0					
6		Totals						0					



Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) \bigotimes

Rancho Potrero Community Equestrian Cente

Newbury Park, CA

Grid Summary

Name East Property Line Spill Spacing 30.0' x 10.0' Height 3.0' above grade

Illumination Summa	Illumination Summary						
	MAINTAINED MAX VERTICAL FOOTCANDLES						
	Entire Grid						
Scan Average	0.00						
Maximum	0						
Minimum	0						
Avg/Min	-						
Max/Min	-						
UG (adjacent pts)	0.00						
No. of Points	20						
LUMINAIRE INFORMATION							
Applied Circuits	A						
No. of Luminaires	12						
Total Load	6.48 kW						

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.

NOTES: All fixtures in this design are dimmed to a 50% output.



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Equi	Equipment List For Areas Shown												
Pole Luminaires													
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS					
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0					
6		Totals						0					



Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) \bigotimes

Rancho Potrero Community Equestrian Cente

Newbury Park, CA

Grid Summary

Name East Property Line Spill Spacing 30.0' x 10.0' Height 3.0' above grade

Illumination Summa	Illumination Summary									
	MAINTAINED MAX CANDELA (PER FIXTURE)									
	Entire Grid									
Scan Average	0.00									
Maximum	0									
Minimum	0									
Avg/Min	-									
Max/Min	-									
UG (adjacent pts)	0.00									
No. of Points	20									
LUMINAIRE INFORMATION										
Applied Circuits	A									
No. of Luminaires	12									
Total Load	6.48 kW									

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.

NOTES: All fixtures in this design are dimmed to a 50% output.



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Equi	Equipment List For Areas Shown												
Pole Luminaires													
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS					
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0					
6		Totals						0					



SCALE IN FEET 1:200

Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) 🚫

Rancho Potrero Community Equestrian Cente Newbury Park, CA Grid Summary Name South Property Line Spill Spacing 30.0' x 10.0' Height 3.0' above grade Illumination Summary Entire Grid Scan Average 0.00 Maximum 0 Minimum 0 Avg/Min Max/Min UG (adjacent pts) 0.00 CU 0.00 No. of Points 76 LUMINAIRE INFORMATION Applied Circuits A No. of Luminaires 12 Total Load 6.48 kW

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.

NOTES: All fixtures in this design are dimmed to a 50% output.



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Equi	Equipment List For Areas Shown												
Pole Luminaires													
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS					
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0					
6		Totals						0					





Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) 🚫

Rancho Potrero Community Equestrian Cente Newbury Park, CA Grid Summary Name South Property Line Spill Spacing 30.0' x 10.0' Height 3.0' above grade Illumination Summary MAINTAINED MAX VERTICAL FOOTC Entire Grid Scan Average 0.00 Maximum 0 Minimum 0 Avg/Min Max/Min UG (adjacent pts) 0.00 CU 0.00 No. of Points 76 LUMINAIRE INFORMATION Applied Circuits A No. of Luminaires 12 Total Load 6.48 kW

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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Equipment List For Areas Shown										
Pole					Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS		
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0		
6	Totals						12	0		





Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) \bigotimes

Rancho Potrero Community Equestrian Cente Newbury Park, CA Grid Summary Name South Property Line Spill Spacing 30.0' x 10.0' Height 3.0' above grade Illumination Summary INED MAX CANDELA (PER FIXTUR Entire Grid Scan Average 2.25 Maximum 129 Minimum 0 Avg/Min Max/Min UG (adjacent pts) 0.00 CU 0.00 No. of Points 76 LUMINAIRE INFORMATION Applied Circuits A No. of Luminaires 12 Total Load 6.48 kW

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.

NOTES: All fixtures in this design are dimmed to a 50% output.



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Equipment List For Areas Shown										
Pole					Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS		
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0		
6	Totals						12	0		



Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) \bigotimes

Rancho Potrero Community Equestrian Cente

Newbury Park, CA

Grid Summary

Name West Property Line Spill Spacing 30.0' x 10.0' Height 3.0' above grade

Illumination Summary						
	MAINTAINED HORIZONTAL FOOTCANDLES					
	Entire Grid					
Scan Average	0.00					
Maximum	0					
Minimum	0					
Avg/Min	0.00					
Max/Min	-					
UG (adjacent pts)	0.00					
No. of Points	10					
LUMINAIRE INFORMATION						
Applied Circuits	A					
No. of Luminaires	12					
Total Load	6.48 kW					

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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Equipment List For Areas Shown										
Pole					Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS		
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0		
6	Totals						12	0		



Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) 🚫

Rancho Potrero Community Equestrian Cente

Newbury Park, CA

Grid Summary

Name West Property Line Spill Spacing 30.0' x 10.0' Height 3.0' above grade

Illumination Summary						
	MAINTAINED MAX VERTICAL FOOTCANDLES					
	Entire Grid					
Scan Average	0.00					
Maximum	0					
Minimum	0					
Avg/Min	0.00					
Max/Min	-					
UG (adjacent pts)	0.00					
No. of Points	10					
LUMINAIRE INFORMATION						
Applied Circuits	A					
No. of Luminaires	12					
Total Load	6.48 kW					

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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Equipment List For Areas Shown										
Pole					Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS		
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0		
6	Totals						12	0		



Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) \bigotimes

Rancho Potrero Community Equestrian Cente

Newbury Park, CA

Grid Summary

Name West Property Line Spill Spacing 30.0' x 10.0' Height 3.0' above grade

Illumination Summa	Illumination Summary						
	MAINTAINED MAX CANDELA (PER FIXTURE)						
	Entire Grid						
Scan Average	0.00						
Maximum	0						
Minimum	0						
Avg/Min	-						
Max/Min	-						
UG (adjacent pts)	0.00						
No. of Points	10						
LUMINAIRE INFORMATION							
Applied Circuits	A						
No. of Luminaires	12						
Total Load	6.48 kW						

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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Equipment List For Areas Shown										
Pole					Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS		
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0		
6	Totals						12	0		



SCALE IN FEET 1:200
 0'
 200'
 400'

 ENGINEERED DESIGN
 By: C.Hensley
 • File #201822Or1-50
 • 14-Jun-24

Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) 🚫

Rancho Potrero Community Equestrian Cente

Newbury Park, CA

Grid Summary

Name Lynn Rd Spill Spacing 30.0' x 10.0' Height 3.0' above grade

Illumination Summary	

	MAINTAINED HORIZONTAL FOUTCANDLES
	Entire Grid
Scan Average	0.00
Maximum	0
Minimum	0
Avg/Min	-
Max/Min	-
UG (adjacent pts)	0.00
No. of Points	69
LUMINAIRE INFORMATION	
Applied Circuits	A
No. of Luminaires	12
Total Load	6.48 kW

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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Equipment List For Areas Shown										
Pole					Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS		
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0		
6	Totals						12	0		



SCALE IN FEET 1:200
 0'
 200'
 400'

 ENGINEERED DESIGN
 By: C.Hensley
 • File #201822Or1-50
 • 14-Jun-24

Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) 🚫

Rancho Potrero Community Equestrian Cente

Newbury Park, CA

Grid Summary

Name Lynn Rd Spill Spacing 30.0' x 10.0' Height 3.0' above grade

Illumination Summary	

	Entire Grid
Scan Average	0.00
Maximum	0
Minimum	0
Avg/Min	-
Max/Min	-
UG (adjacent pts)	0.00
No. of Points	69
LUMINAIRE INFORMATION	
Applied Circuits	A
No. of Luminaires	12
Total Load	6.48 kW

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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Equipment List For Areas Shown										
Pole				Luminaires						
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS		
6	P1-P6	30'	-	30'	TLC-LED-550	2	2	0		
6	6 Totals			12	12	0				





Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) 🚫

Rancho Potrero Community Equestrian Cente

Newbury Park, CA

Grid Summary

Name Lynn Rd Spill Spacing 30.0' x 10.0' Height 3.0' above grade

	WAINTAINED WAX CANDELA (PER FIXTURE)
	Entire Grid
Scan Average	0.00
Maximum	0
Minimum	0
Avg/Min	-
Max/Min	-
UG (adjacent pts)	0.00
No. of Points	69
LUMINAIRE INFORMATION	
Applied Circuits	Α
No. of Luminaires	12
Total Load	6.48 kW

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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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 0'
 200'
 400'

 ENGINEERED DESIGN
 By: C.Hensley
 • File #201822Or1-50
 • 14-Jun-24

Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) 🚫

Rancho Potrero Community Equestrian Cente

Newbury Park, CA

Equipment Layout

INCLUDES: · Arena

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	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	
6	P1-P6	30'	-	30'	TLC-LED-550	2	
6 Totals					12		

Single Luminaire Amperage Draw Chart							
Driver Specifications	Line Amperage Per Luminaire						
(.90 min power factor)	(max draw)						
Single Phase Voltage	208	220	240	277	347	380	480
	(60)	(60)	(60)	(60)	(60)	(60)	(60)
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.8	1.4

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EQUIPMENT LAYOUT