

Mt. SAC Athletics Complex East

Walnut, CA

Lighting System

Pole / Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Group
F1-F4	100'	100'	18	228NB 1400	25.20 kW	B
		80'	2	96 LED	0.80 kW	D
F5	147'	147'	28	228NB 1400	39.20 kW	A
		107'	4	96 LED	1.60 kW	C
F6-F7	155'	155'	28	228NB 1400	39.20 kW	A
F8	130'	130'	28	228NB 1400	39.20 kW	A
		90'	4	96 LED	1.60 kW	C
8			200		264.00 kW	

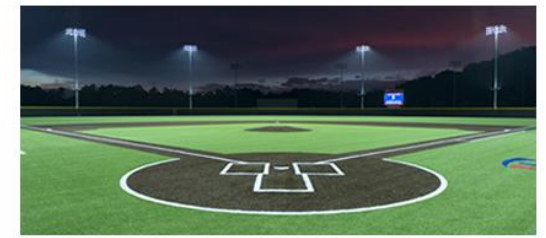
Group Summary			
Group	Description	Load	Fixture Qty
A	Home Side	156.8 kW	112
B	Visitor Side	100.8 kW	72
C	Bleacher-Home	3.2 kW	8
D	Bleacher-Visitor	3.2 kW	8

Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
96 LED	LED 5700K - 75 CRI	400W	38,600	61,000	>72,000	>72,000	16
228NB 1400	LED 5700K - 75 CRI	1400W	133,000	>36,000	>36,000	>36,000	184

Light Level Summary

Calculation Grid Summary							
		Illumination					
		Ave	Min	Max	Max/Min		
HORIZONTAL SP - POINT 8001	Horizontal	1.70	1.70	1.70	1.00	A,B	184
HORIZONTAL SP - POINT 8003	Horizontal	0.62	0.62	0.62	1.00	A,B	184
HORIZONTAL SP - POINT 8004	Horizontal	0.36	0.36	0.36	1.00	A,B	184
HORIZONTAL SP - POINT 8005	Horizontal	0.16	0.16	0.16	1.00	A,B	184
HORIZONTAL SP - POINT 8006	Horizontal	0.07	0.07	0.07	1.00	A,B	184
HORIZONTAL SP - POINT 8007	Horizontal	1.10	1.10	1.10	1.00	A,B	184
HORIZONTAL SP - POINT 8009	Horizontal	0.20	0.20	0.20	1.00	A,B	184
HORIZONTAL SP - POINT 8010	Horizontal	0.11	0.11	0.11	1.00	A,B	184
HORIZONTAL SP - POINT 8011	Horizontal	0.09	0.09	0.09	1.00	A,B	184
HORIZONTAL SP - POINT 8012	Horizontal	0.08	0.08	0.08	1.00	A,B	184
VERTICAL SP - POINT 8001	Max Vert Illuminance (by Light Bank)	6.86	6.86	6.86	1.00	A,B	184
VERTICAL SP - POINT 8003	Max Vert Illuminance (by Light Bank)	2.95	2.95	2.95	1.00	A,B	184
VERTICAL SP - POINT 8004	Max Vert Illuminance (by Light Bank)	1.88	1.88	1.88	1.00	A,B	184
VERTICAL SP - POINT 8005	Max Vert Illuminance (by Light Bank)	1	1	1	1.00	A,B	184
VERTICAL SP - POINT 8006	Max Vert Illuminance (by Light Bank)	0.55	0.55	0.55	1.00	A,B	184
VERTICAL SP - POINT 8007	Max Vert Illuminance (by Light Bank)	4.66	4.66	4.66	1.00	A,B	184
VERTICAL SP - POINT 8009	Max Vert Illuminance (by Light Bank)	1.19	1.19	1.19	1.00	A,B	184
VERTICAL SP - POINT 8010	Max Vert Illuminance (by Light Bank)	0.80	0.80	0.80	1.00	A,B	184
VERTICAL SP - POINT 8011	Max Vert Illuminance (by Light Bank)	0.67	0.67	0.67	1.00	A,B	184
VERTICAL SP - POINT 8012	Max Vert Illuminance (by Light Bank)	0.61	0.61	0.61	1.00	A,B	184

From Hometown to Professional



We Make It Happen.

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Mt. SAC Athletics Complex East
Walnut, CA

GRID SUMMARY	
Name:	VERTICAL SP - POINT 8001
Spacing:	30.0' x 30.0'
Height:	16.8' above grade

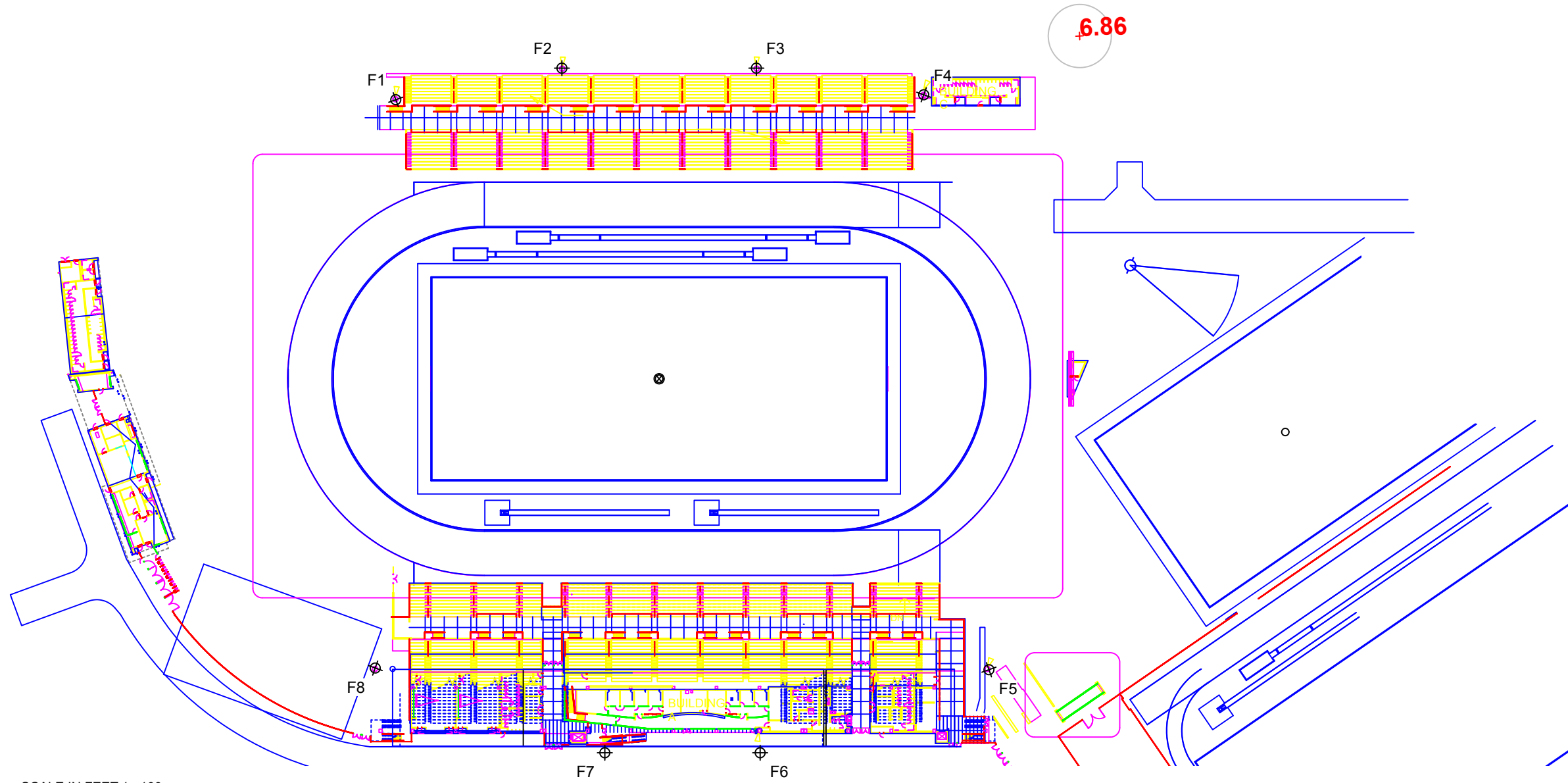
ILLUMINATION SUMMARY			
MAINTAINED MAX VERTICAL FOOTCANDLES			
	Entire Grid		
Scan Average:	6.86		
Maximum:	6.86		
Minimum:	6.86		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
	Lumen Maintenance		
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000
Reported per TM-21-11. See cutsheets for details.			

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

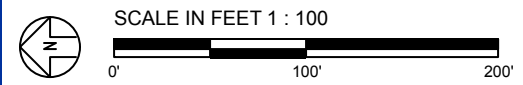
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

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

Installation Requirements: Results assume +/- 5% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



6.86



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



Mt. SAC Athletics Complex East
Walnut, CA

GRID SUMMARY	
Name:	HORIZONTAL SP - POINT 8001
Spacing:	30.0' x 30.0'
Height:	14.8' above grade

ILLUMINATION SUMMARY			
MAINTAINED HORIZONTAL FOOTCANDLES			
	Entire Grid		
Scan Average:	1.70		
Maximum:	1.70		
Minimum:	1.70		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
	Lumen Maintenance		
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

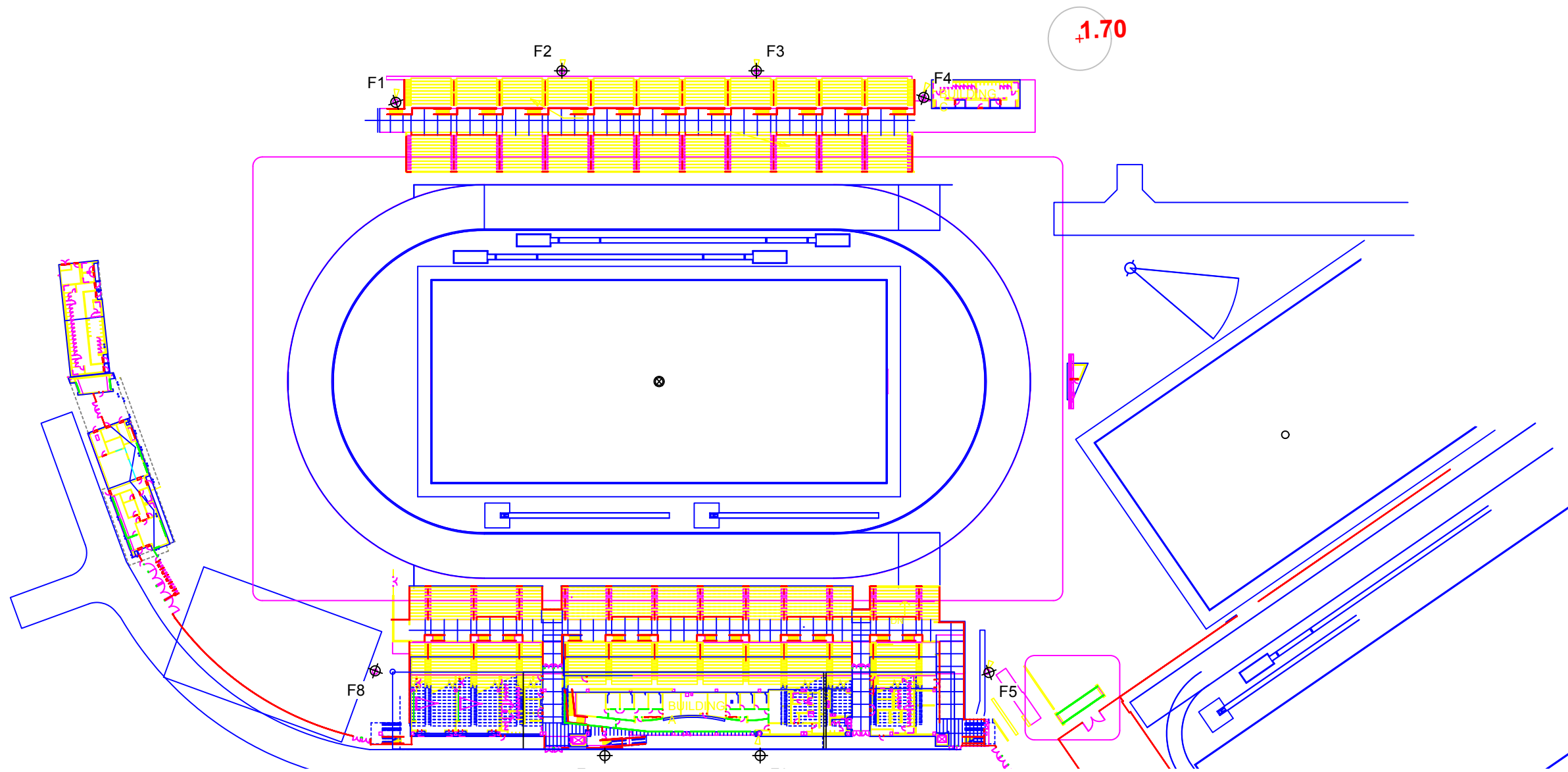
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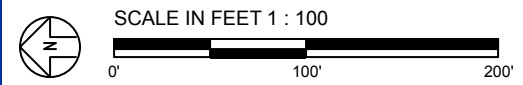
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1.70



ENGINEERED DESIGN By: Shawn Moyer • File #167173-I-STADIUM-R-SPILL • 05-Apr-16

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



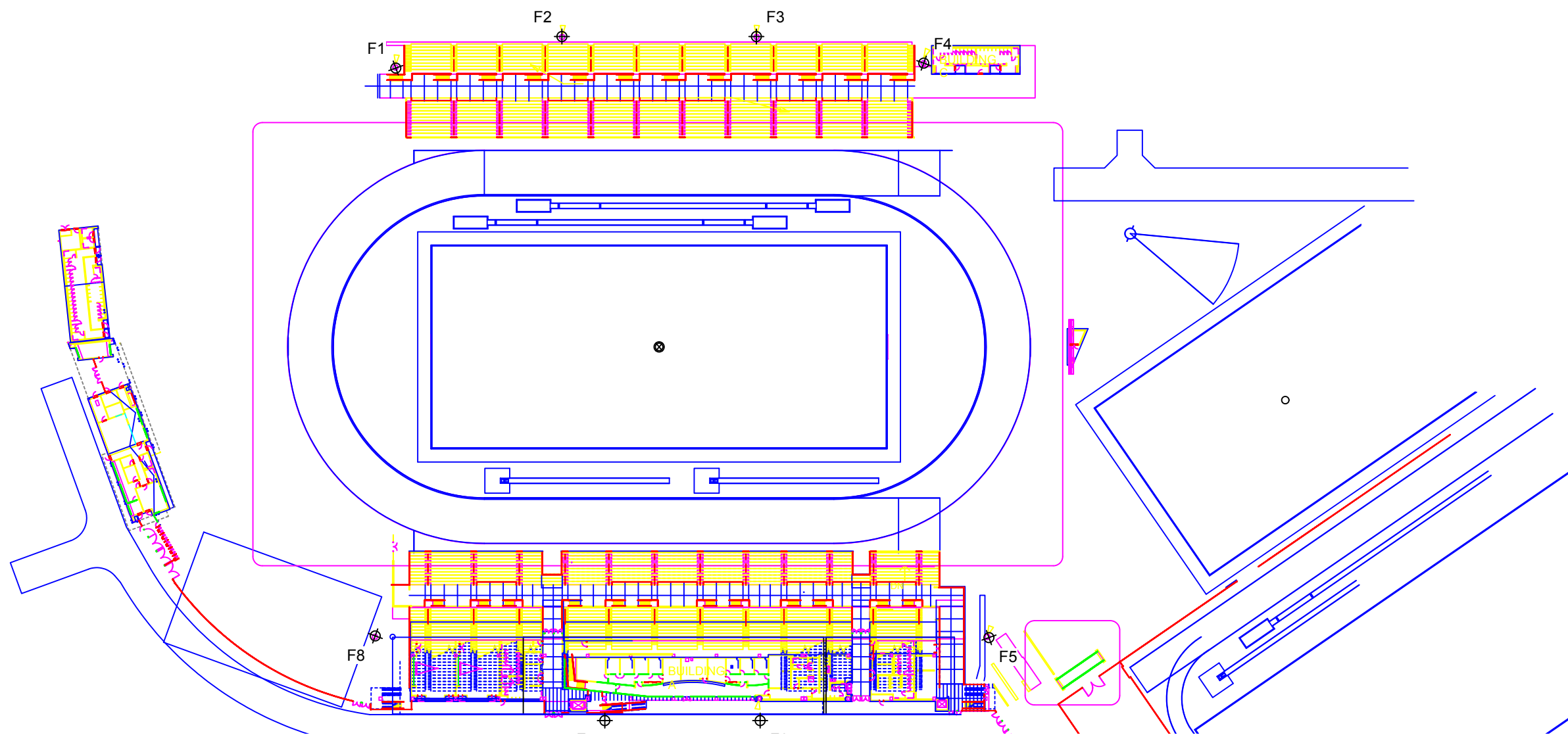
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Walnut, CA

GRID SUMMARY	
Name:	VERTICAL SP - POINT 8003
Spacing:	30.0' x 30.0'
Height:	29.8' above grade

ILLUMINATION SUMMARY			
MAINTAINED MAX VERTICAL FOOTCANDLES			
	Entire Grid		
Scan Average:	2.95		
Maximum:	2.95		
Minimum:	2.95		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000
Reported per TM-21-11. See cutsheets for details.			

2.95

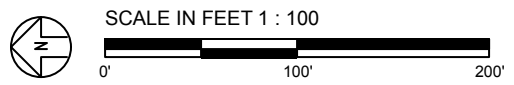


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Installation Requirements: Results assume +/- 5% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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Mt. SAC Athletics Complex East
Walnut, CA

GRID SUMMARY	
Name:	HORIZONTAL SP - POINT 8003
Spacing:	30.0' x 30.0'
Height:	27.8' above grade

ILLUMINATION SUMMARY			
MAINTAINED HORIZONTAL FOOTCANDLES			
	Entire Grid		
Scan Average:	0.62		
Maximum:	0.62		
Minimum:	0.62		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
	Lumen Maintenance		
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000
Reported per TM-21-11. See cutsheets for details.			

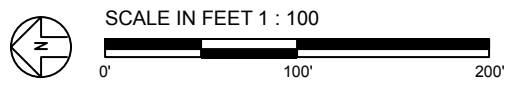
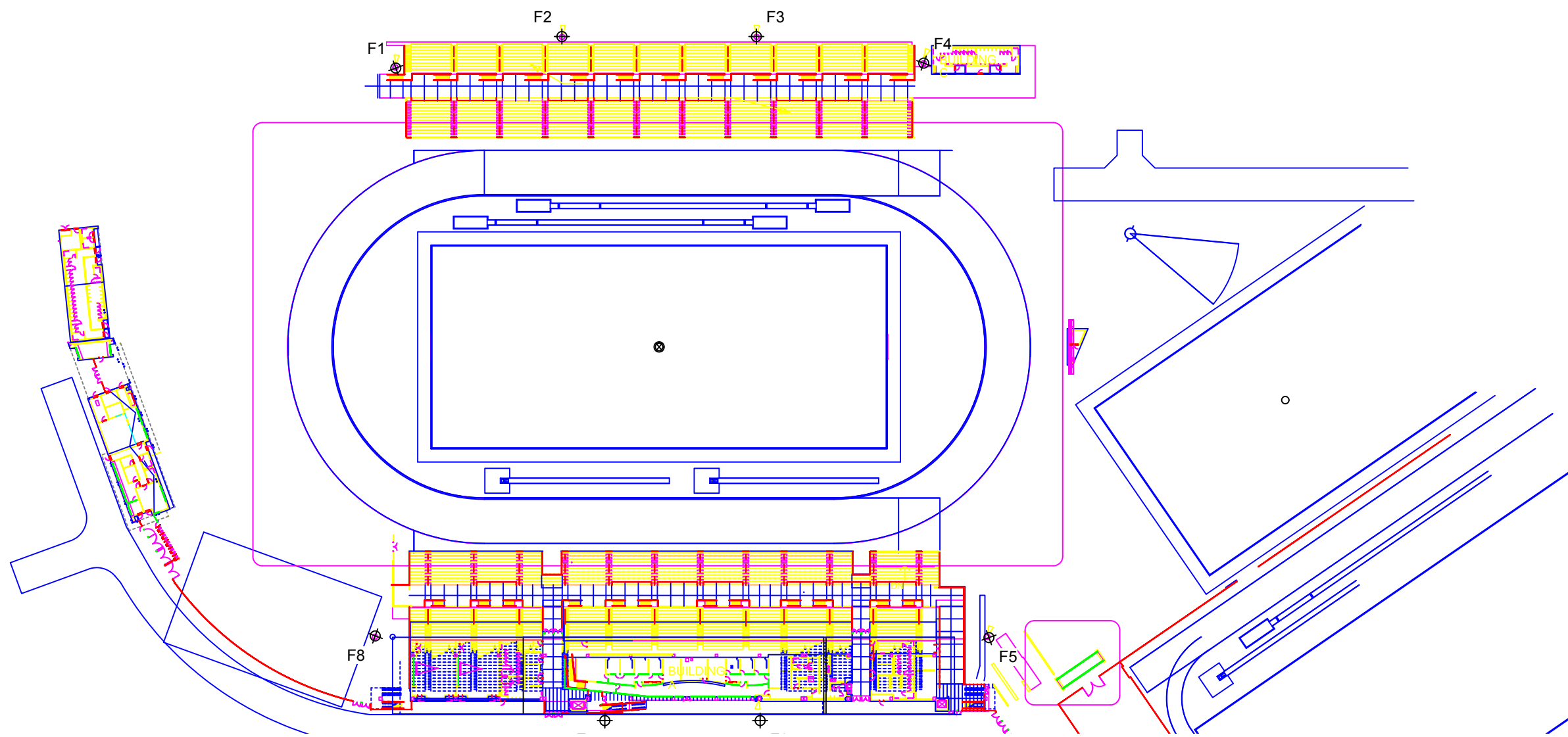
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0.62



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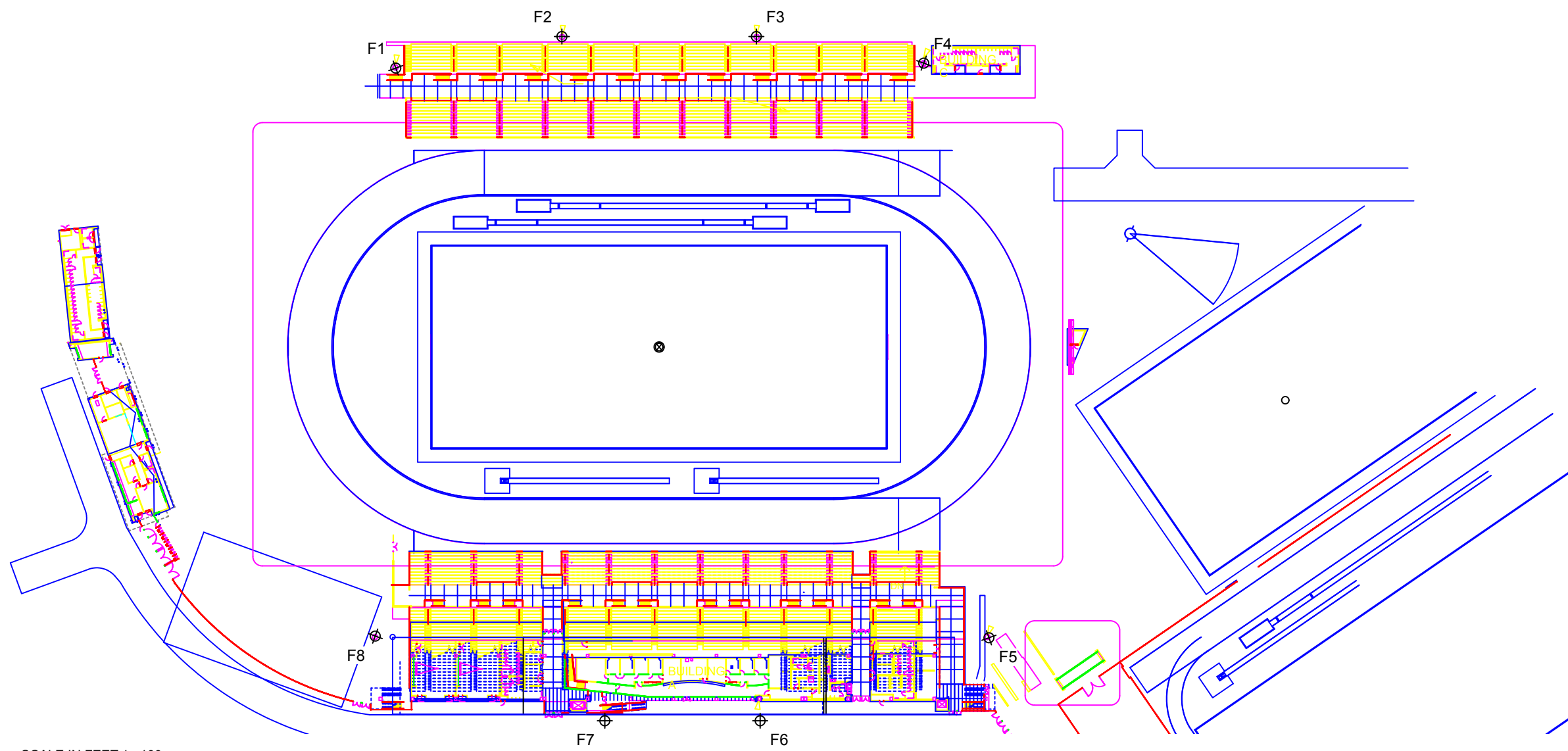
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Walnut, CA

GRID SUMMARY	
Name:	VERTICAL SP - POINT 8004
Spacing:	30.0' x 30.0'
Height:	30.6' above grade

ILLUMINATION SUMMARY			
MAINTAINED MAX VERTICAL FOOTCANDLES			
	Entire Grid		
Scan Average:	1.88		
Maximum:	1.88		
Minimum:	1.88		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
	Lumen Maintenance		
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

Reported per TM-21-11. See cutsheets for details.

1.88

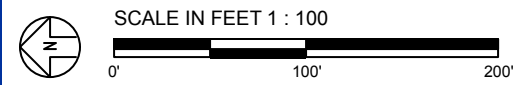


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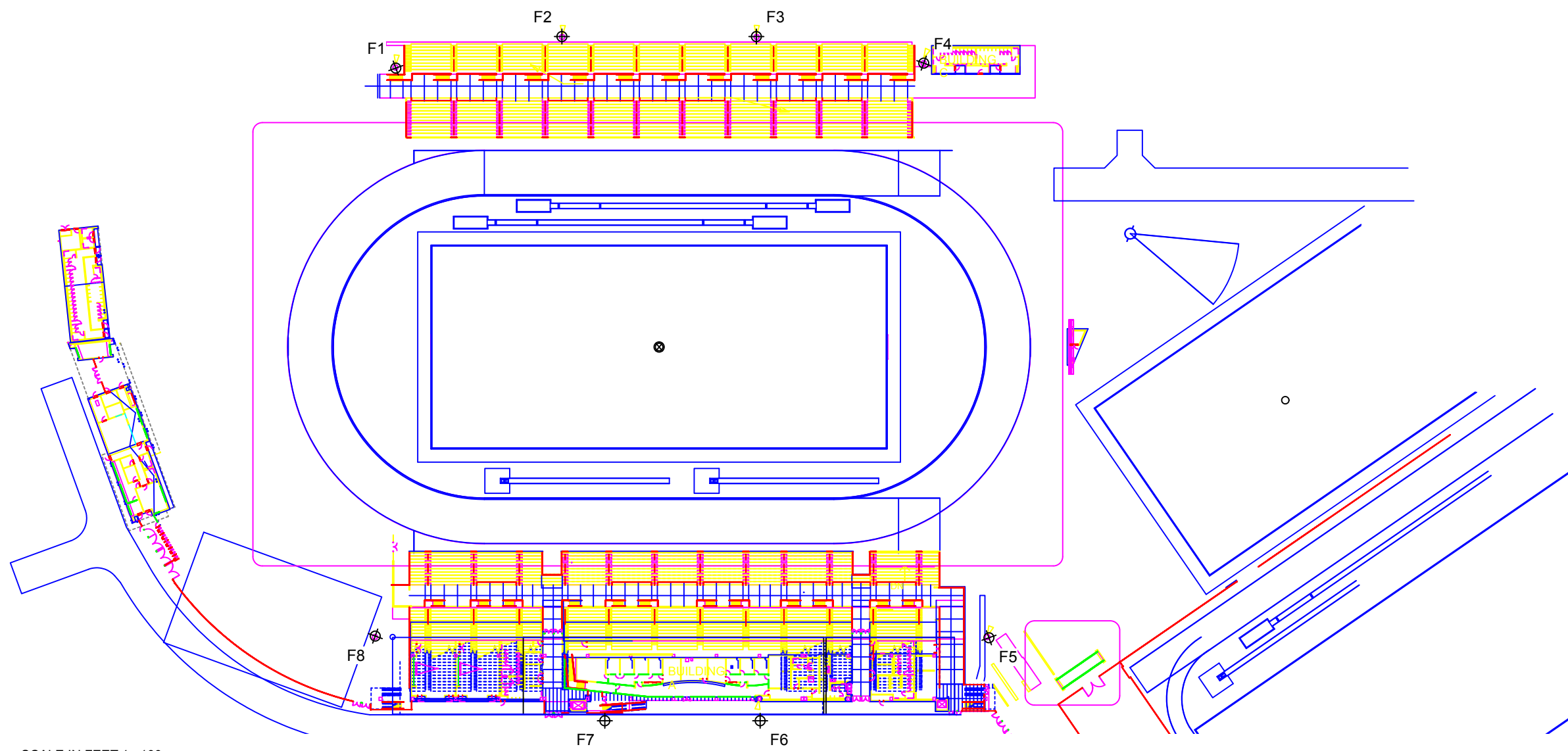
Mt. SAC Athletics Complex East
Walnut, CA

GRID SUMMARY	
Name:	HORIZONTAL SP - POINT 8004
Spacing:	30.0' x 30.0'
Height:	28.6' above grade

ILLUMINATION SUMMARY			
MAINTAINED HORIZONTAL FOOTCANDLES			
	Entire Grid		
Scan Average:	0.36		
Maximum:	0.36		
Minimum:	0.36		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

Reported per TM-21-11. See cutsheets for details.

0.36

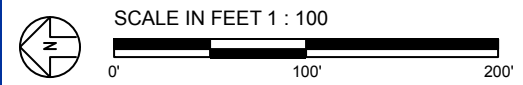


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Walnut, CA

GRID SUMMARY	
Name:	VERTICAL SP - POINT 8005
Spacing:	30.0' x 30.0'
Height:	44.2' above grade

ILLUMINATION SUMMARY	
MAINTAINED MAX VERTICAL FOOTCANDLES	
	Entire Grid
Scan Average:	1.00
Maximum:	1.00
Minimum:	1.00
No. of Points:	1

LUMINAIRE INFORMATION	
Color / CRI:	5700K - 75 CRI
Luminaire Output:	133,000 lumens
Total LLF:	1.000
No. of Luminaires:	184
Total Load:	257.6 kW

Luminaire Type	Lumen Maintenance		
	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

Reported per TM-21-11. See cutsheets for details.

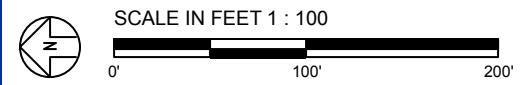
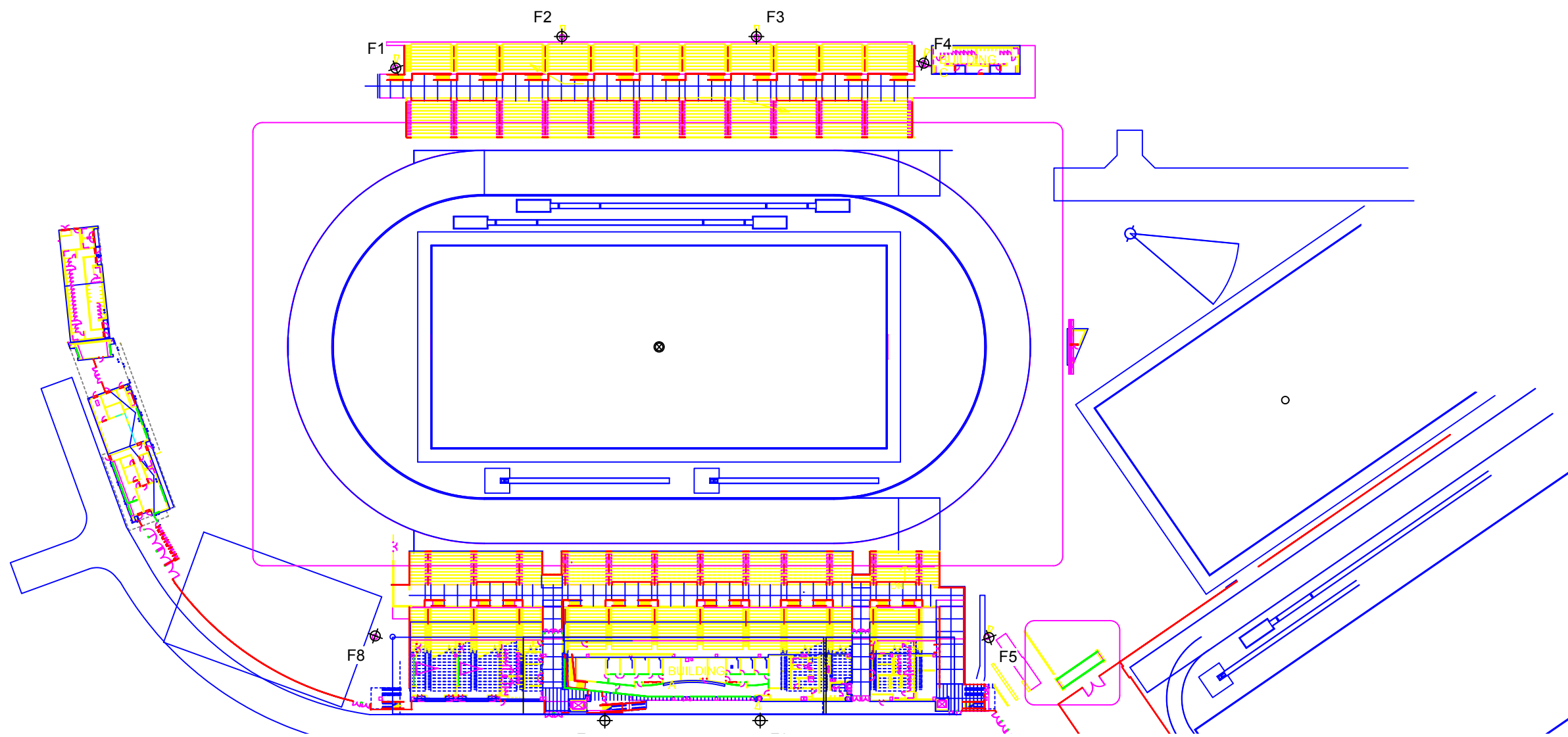
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1.00



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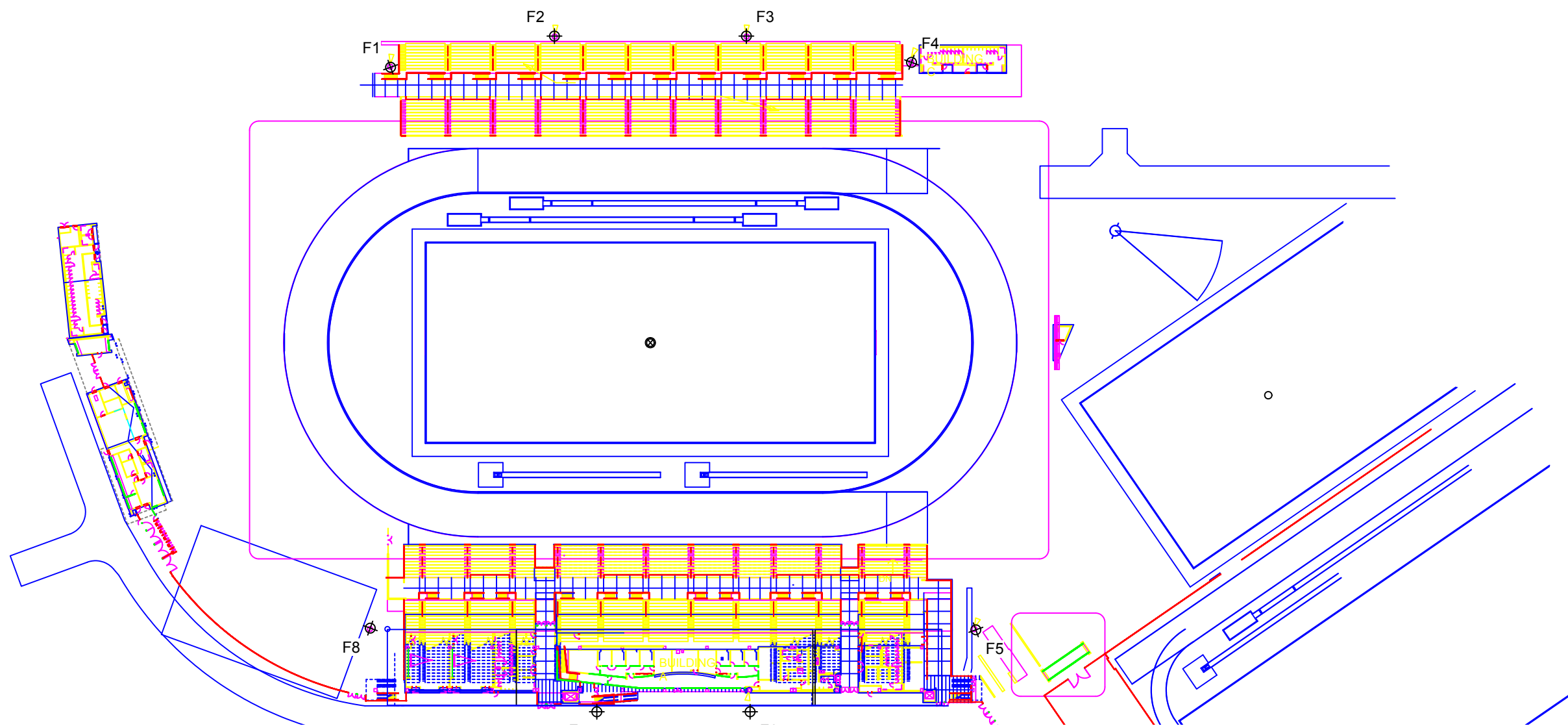
Mt. SAC Athletics Complex East
Walnut, CA

GRID SUMMARY	
Name:	HORIZONTAL SP - POINT 8005
Spacing:	30.0' x 30.0'
Height:	42.2' above grade

ILLUMINATION SUMMARY			
MAINTAINED HORIZONTAL FOOTCANDLES			
	Entire Grid		
Scan Average:	0.16		
Maximum:	0.16		
Minimum:	0.16		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
	Lumen Maintenance		
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

Reported per TM-21-11. See cutsheets for details.

0.16

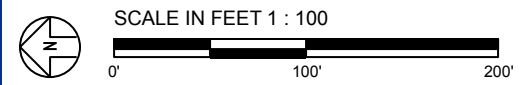


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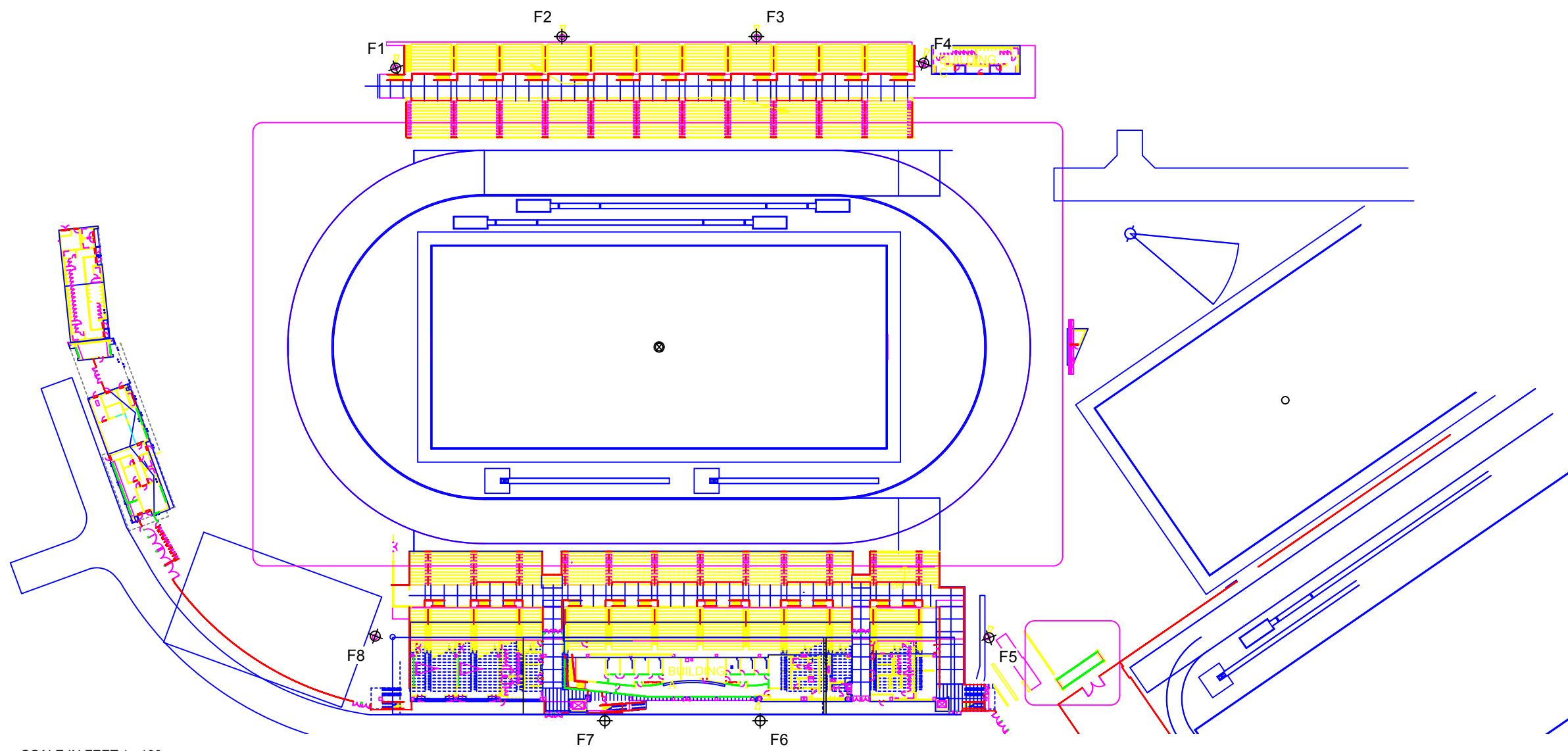
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GRID SUMMARY	
Name:	VERTICAL SP - POINT 8006
Spacing:	30.0' x 30.0'
Height:	64.1' above grade

ILLUMINATION SUMMARY			
MAINTAINED MAX VERTICAL FOOTCANDLES			
	Entire Grid		
Scan Average:	0.55		
Maximum:	0.55		
Minimum:	0.55		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
	Lumen Maintenance		
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

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0.55



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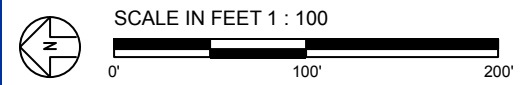
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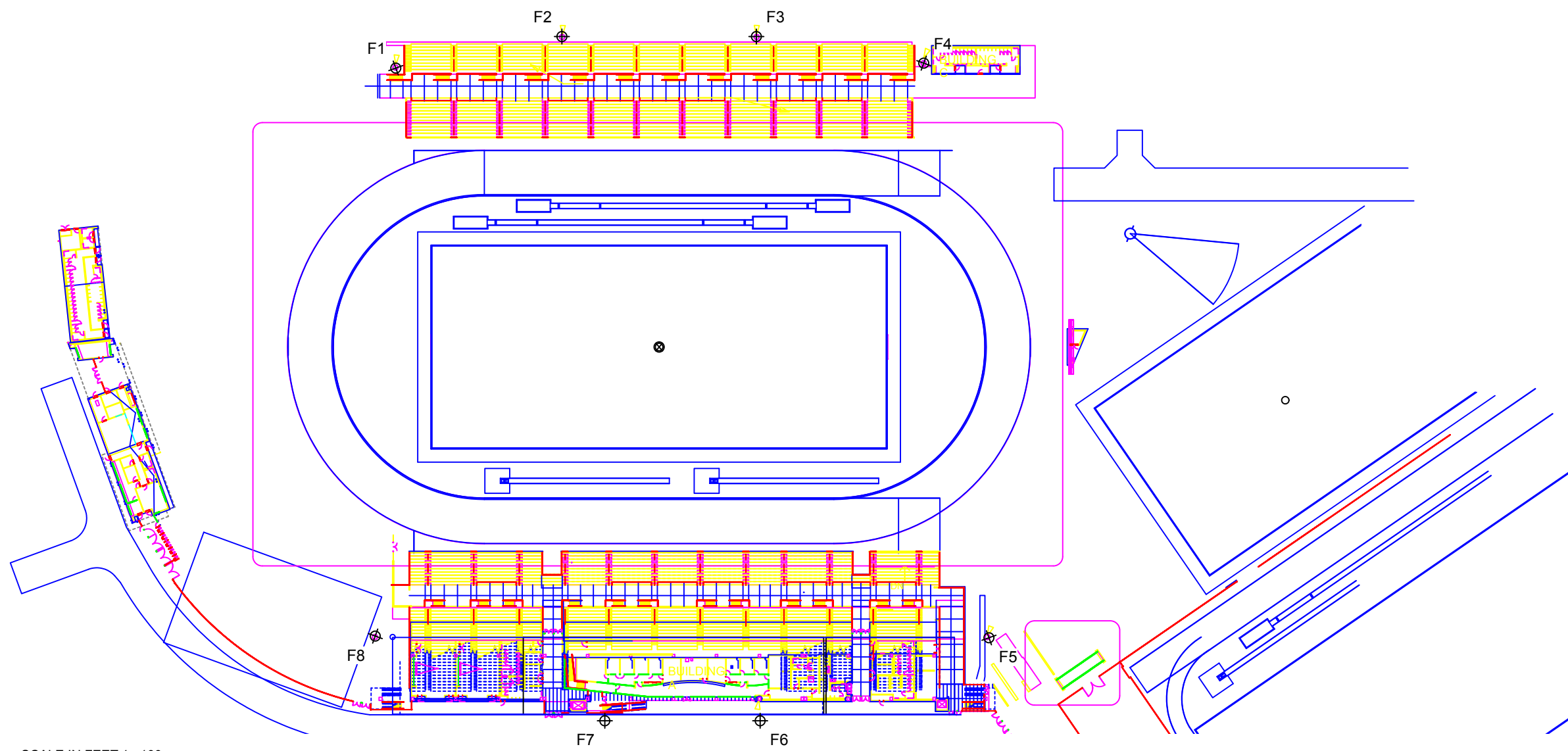
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GRID SUMMARY	
Name:	HORIZONTAL SP - POINT 8006
Spacing:	30.0' x 30.0'
Height:	62.1' above grade

ILLUMINATION SUMMARY			
MAINTAINED HORIZONTAL FOOTCANDLES			
	Entire Grid		
Scan Average:	0.07		
Maximum:	0.07		
Minimum:	0.07		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

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0.07



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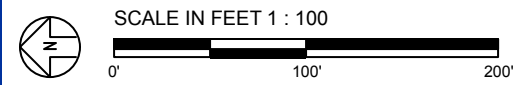
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GRID SUMMARY	
Name:	VERTICAL SP - POINT 8007
Spacing:	30.0' x 30.0'
Height:	44.0' above grade

ILLUMINATION SUMMARY			
MAINTAINED MAX VERTICAL FOOTCANDLES			
	Entire Grid		
Scan Average:	4.66		
Maximum:	4.66		
Minimum:	4.66		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

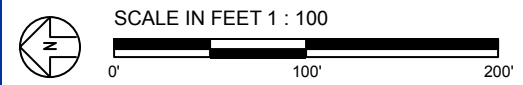
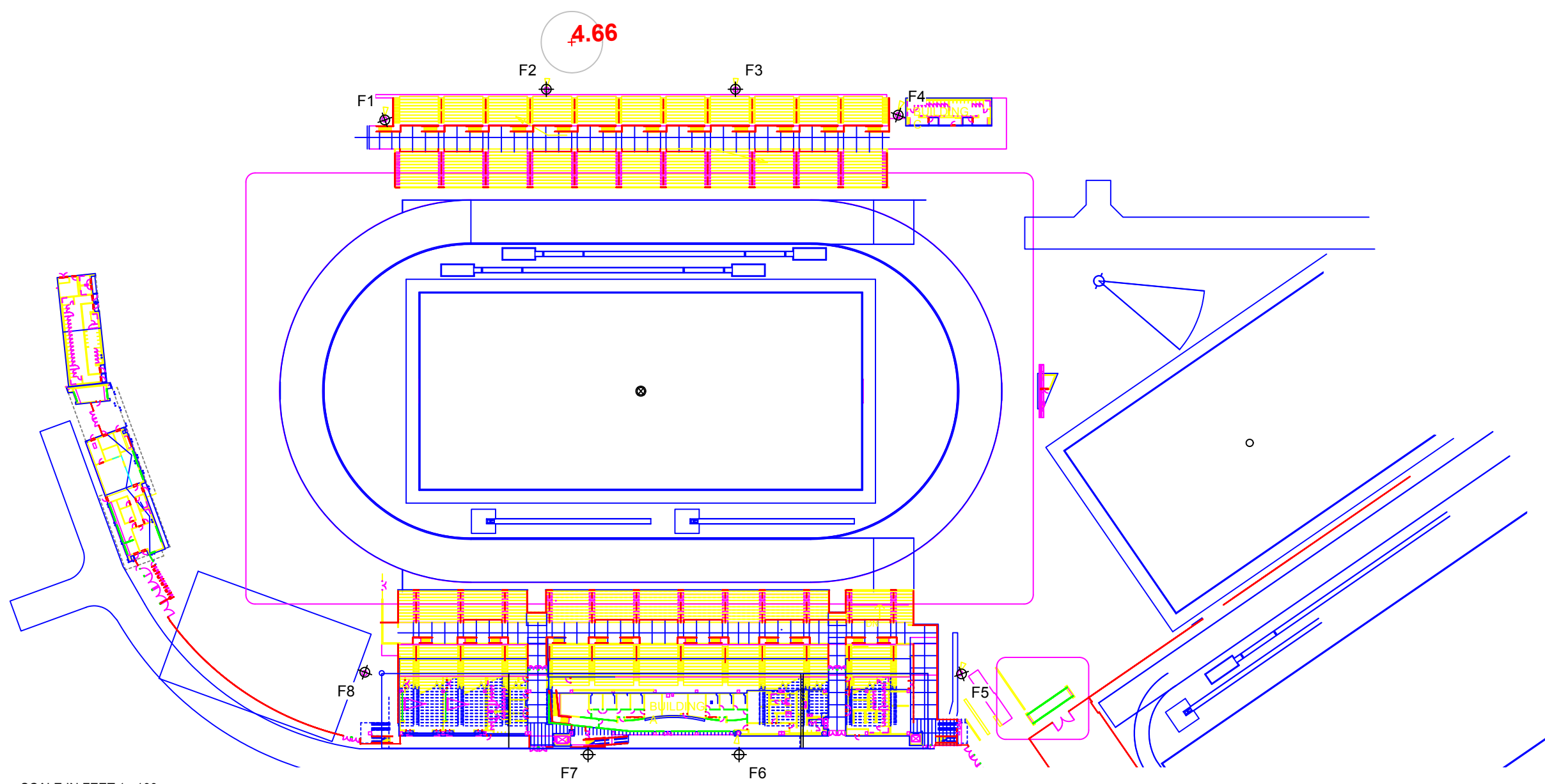
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Mt. SAC Athletics Complex East
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GRID SUMMARY	
Name:	HORIZONTAL SP - POINT 8007
Spacing:	30.0' x 30.0'
Height:	42.0' above grade

ILLUMINATION SUMMARY			
MAINTAINED HORIZONTAL FOOTCANDLES			
	Entire Grid		
Scan Average:	1.10		
Maximum:	1.10		
Minimum:	1.10		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

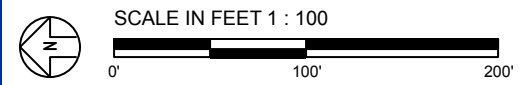
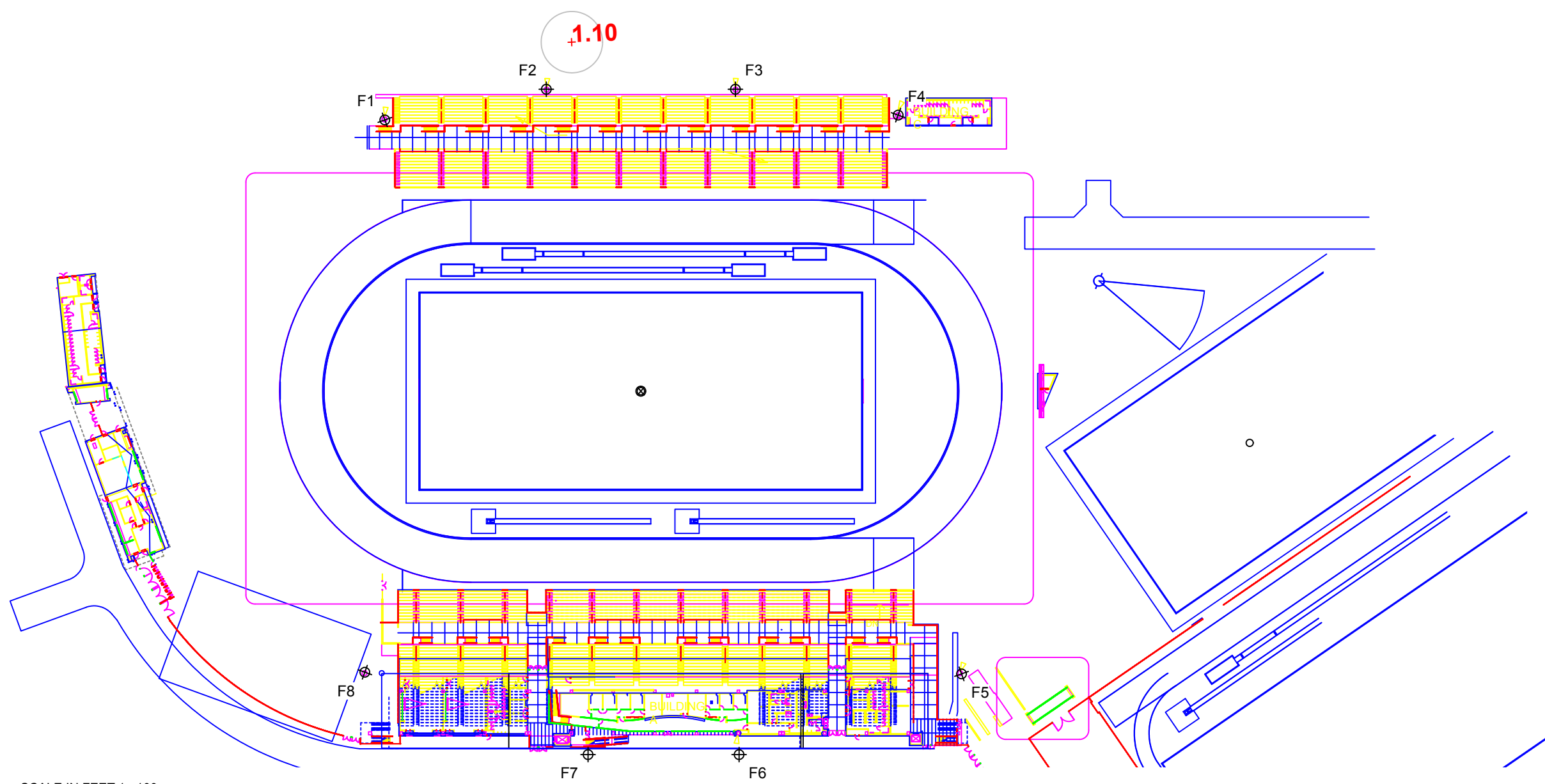
Reported per TM-21-11. See cutsheets for details.

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 +/- 5% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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



Mt. SAC Athletics Complex East
Walnut, CA

GRID SUMMARY	
Name:	VERTICAL SP - POINT 8009
Spacing:	30.0' x 30.0'
Height:	66.0' above grade

ILLUMINATION SUMMARY			
MAINTAINED MAX VERTICAL FOOTCANDLES			
	Entire Grid		
Scan Average:	1.19		
Maximum:	1.19		
Minimum:	1.19		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
	Lumen Maintenance		
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

Reported per TM-21-11. See cutsheets for details.

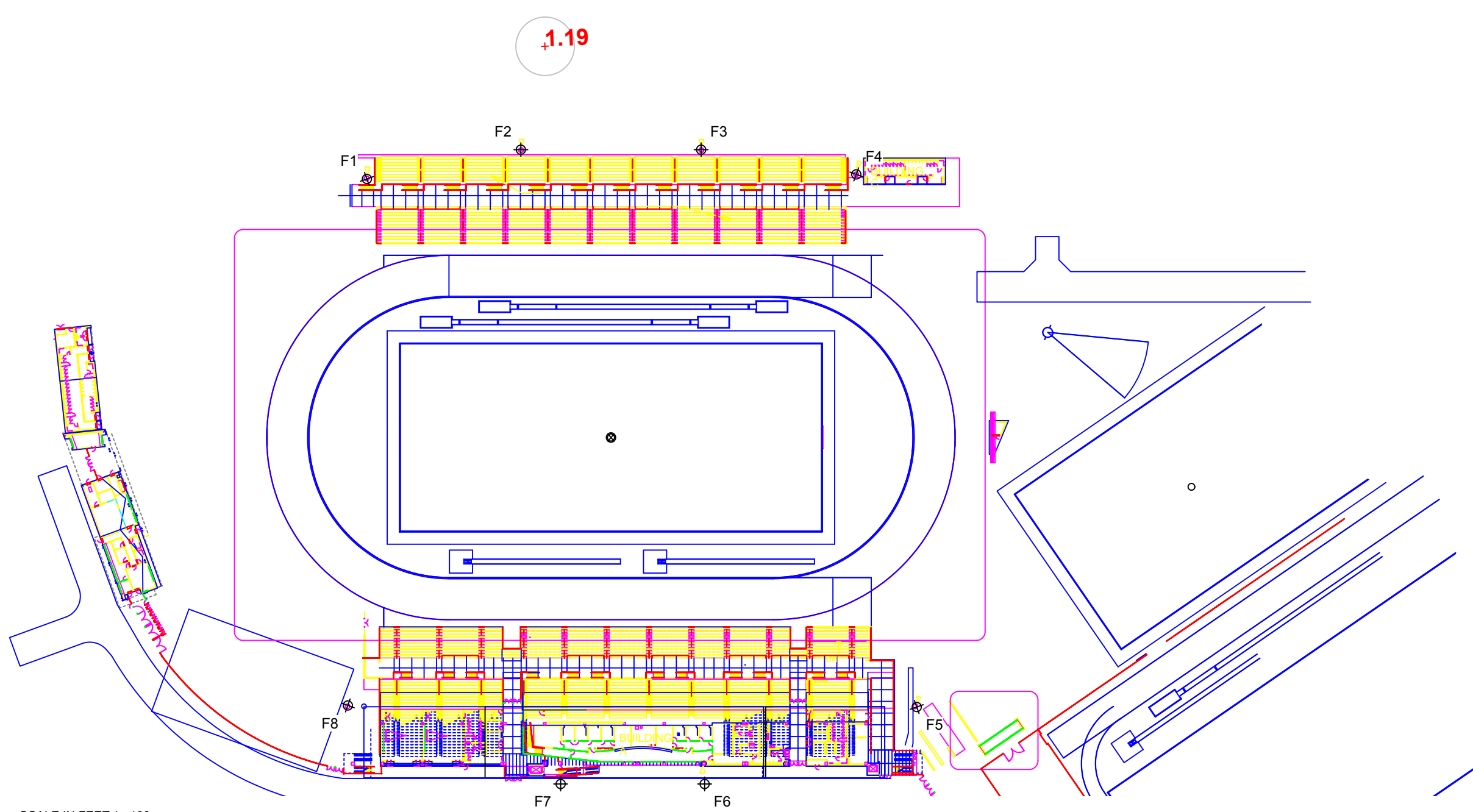
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Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

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

Installation Requirements: Results assume +/- 5% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

1.19

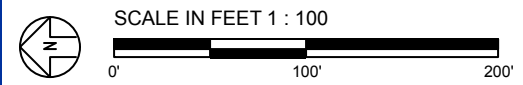


Pole location(s) ⓧ dimensions are relative to 0,0 reference point(s) ⊗



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Mt. SAC Athletics Complex East
Walnut, CA

GRID SUMMARY	
Name:	HORIZONTAL SP - POINT 8009
Spacing:	30.0' x 30.0'
Height:	64.0' above grade

ILLUMINATION SUMMARY			
MAINTAINED HORIZONTAL FOOTCANDLES			
	Entire Grid		
Scan Average:	0.20		
Maximum:	0.20		
Minimum:	0.20		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
	Lumen Maintenance		
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

Reported per TM-21-11. See cutsheets for details.

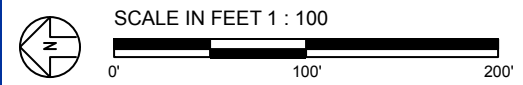
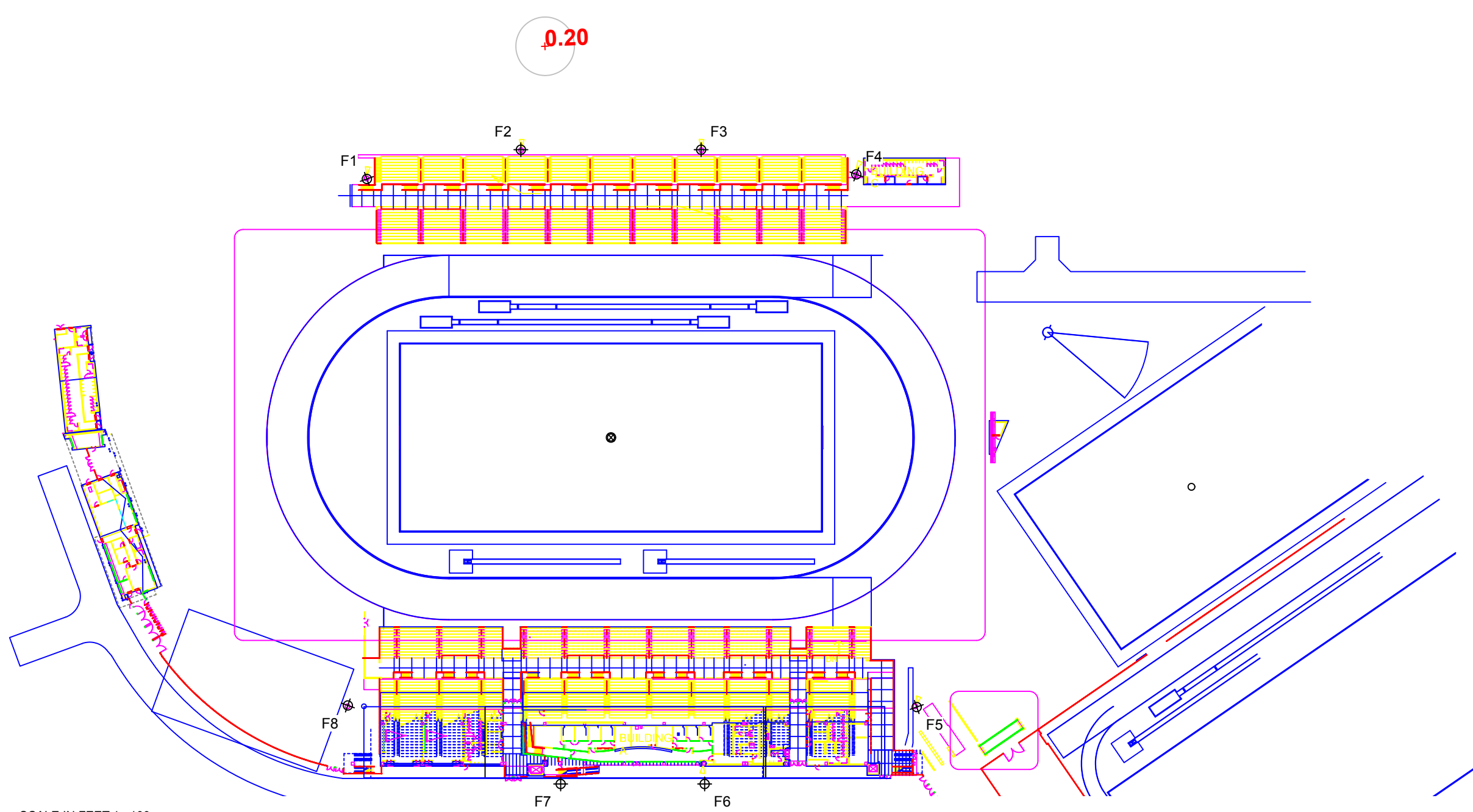
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Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

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

Installation Requirements: Results assume +/- 5% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

0.20



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



Mt. SAC Athletics Complex East
Walnut, CA

GRID SUMMARY	
Name:	VERTICAL SP - POINT 8010
Spacing:	30.0' x 30.0'
Height:	71.8' above grade

ILLUMINATION SUMMARY	
MAINTAINED MAX VERTICAL FOOTCANDLES	
	Entire Grid
Scan Average:	0.80
Maximum:	0.80
Minimum:	0.80
No. of Points:	1

LUMINAIRE INFORMATION	
Color / CRI:	5700K - 75 CRI
Luminaire Output:	133,000 lumens
Total LLF:	1.000
No. of Luminaires:	184
Total Load:	257.6 kW

Luminaire Type	Lumen Maintenance		
	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

Reported per TM-21-11. See cutsheets for details.

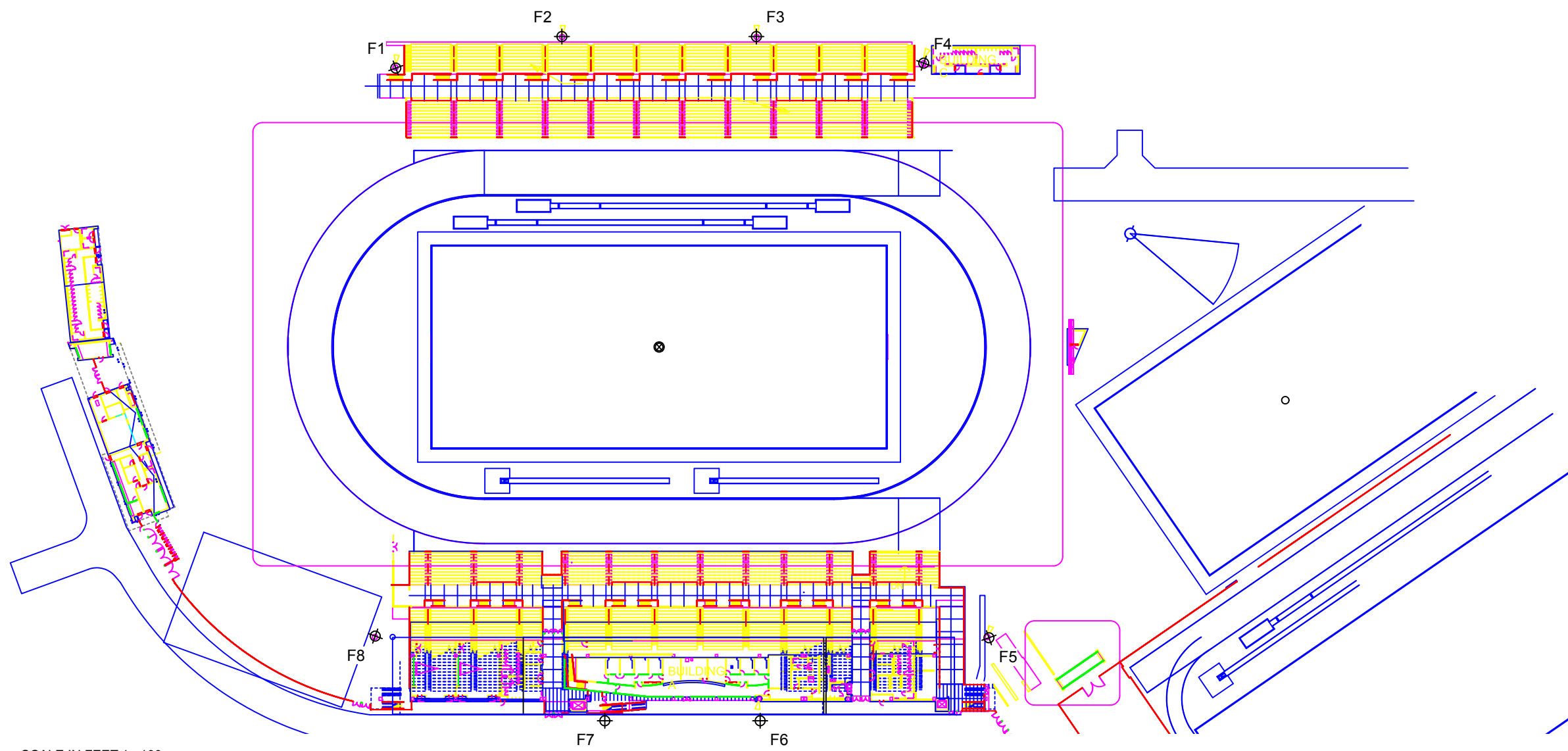
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Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

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

Installation Requirements: Results assume +/- 5% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

0.80

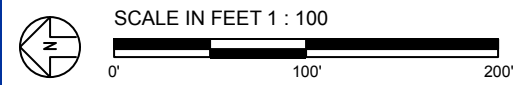


Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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Mt. SAC Athletics Complex East
Walnut, CA

GRID SUMMARY	
Name:	HORIZONTAL SP - POINT 8010
Spacing:	30.0' x 30.0'
Height:	69.8' above grade

ILLUMINATION SUMMARY			
MAINTAINED HORIZONTAL FOOTCANDLES			
	Entire Grid		
Scan Average:	0.11		
Maximum:	0.11		
Minimum:	0.11		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

Reported per TM-21-11. See cutsheets for details.

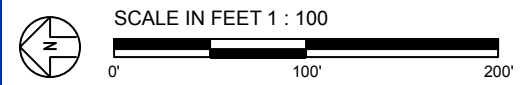
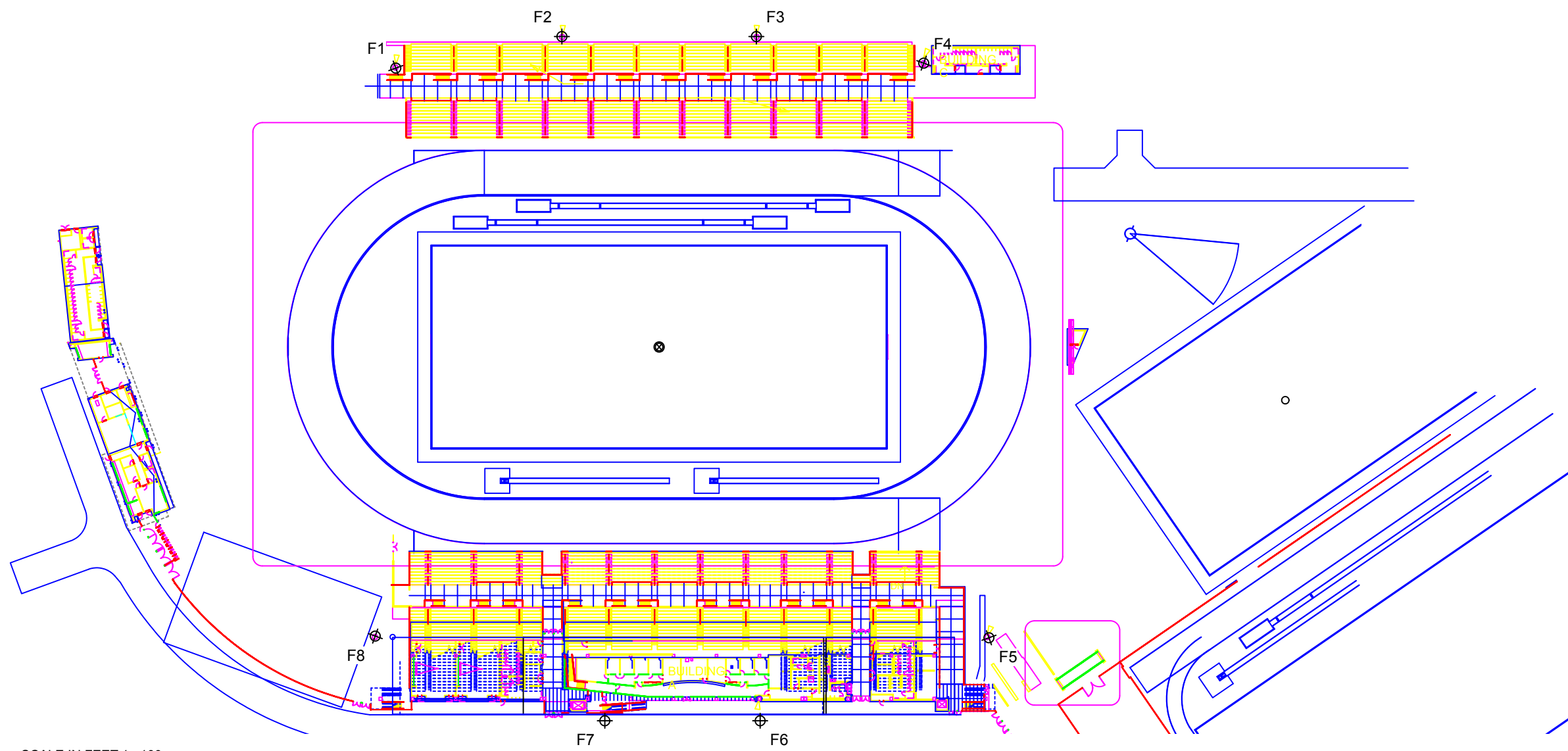
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Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume +/- 5% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

0.11



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



Mt. SAC Athletics Complex East
Walnut, CA

GRID SUMMARY	
Name:	VERTICAL SP - POINT 8011
Spacing:	30.0' x 30.0'
Height:	69.3' above grade

ILLUMINATION SUMMARY			
MAINTAINED MAX VERTICAL FOOTCANDLES			
	Entire Grid		
Scan Average:	0.67		
Maximum:	0.67		
Minimum:	0.67		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

Reported per TM-21-11. See cutsheets for details.

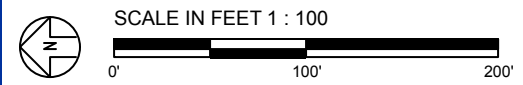
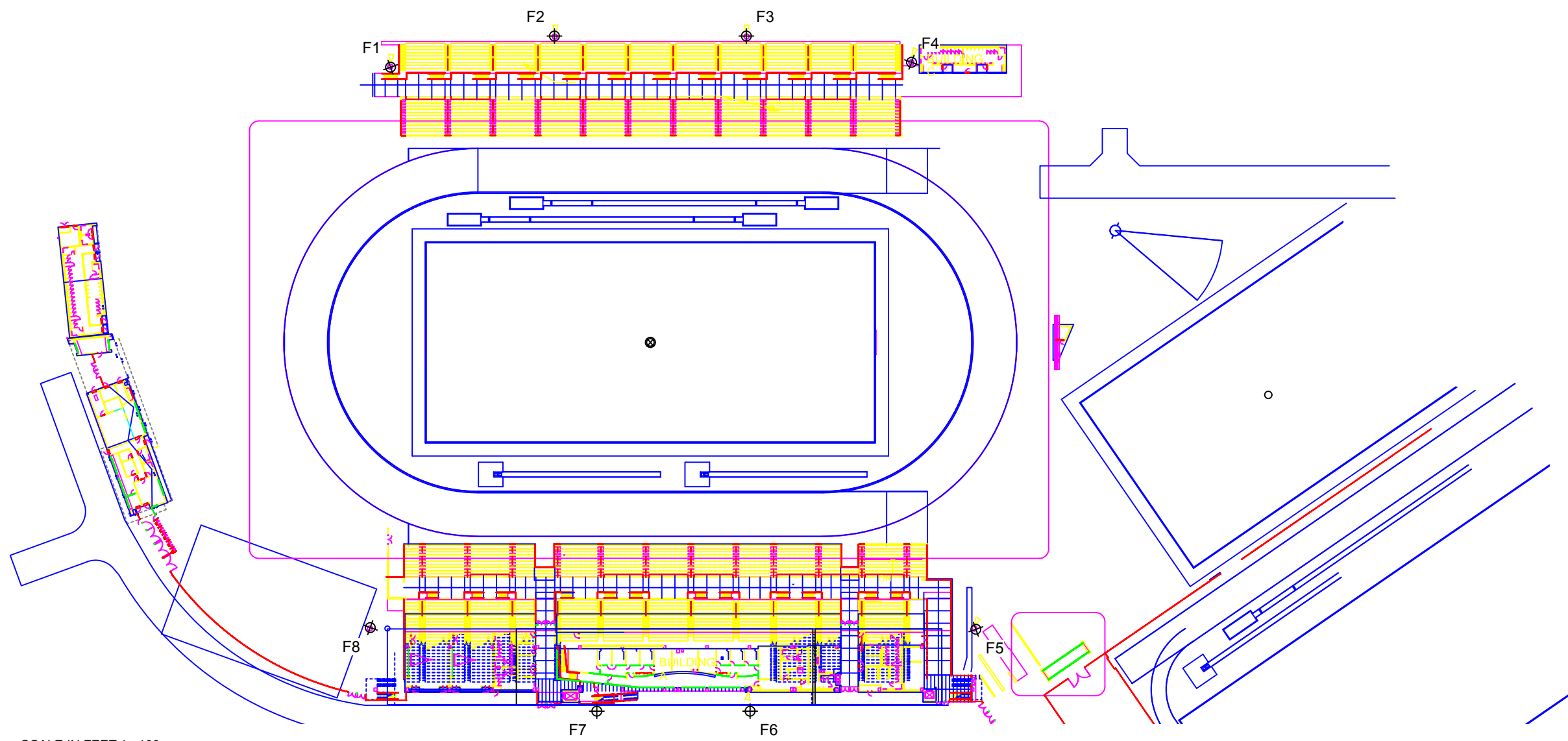
Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

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 +/- 5% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

0.67



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



Mt. SAC Athletics Complex East
Walnut, CA

GRID SUMMARY	
Name:	HORIZONTAL SP - POINT 8011
Spacing:	30.0' x 30.0'
Height:	67.3' above grade

ILLUMINATION SUMMARY			
MAINTAINED HORIZONTAL FOOTCANDLES			
	Entire Grid		
Scan Average:	0.09		
Maximum:	0.09		
Minimum:	0.09		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

Reported per TM-21-11. See cutsheets for details.

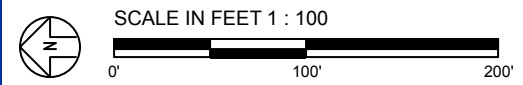
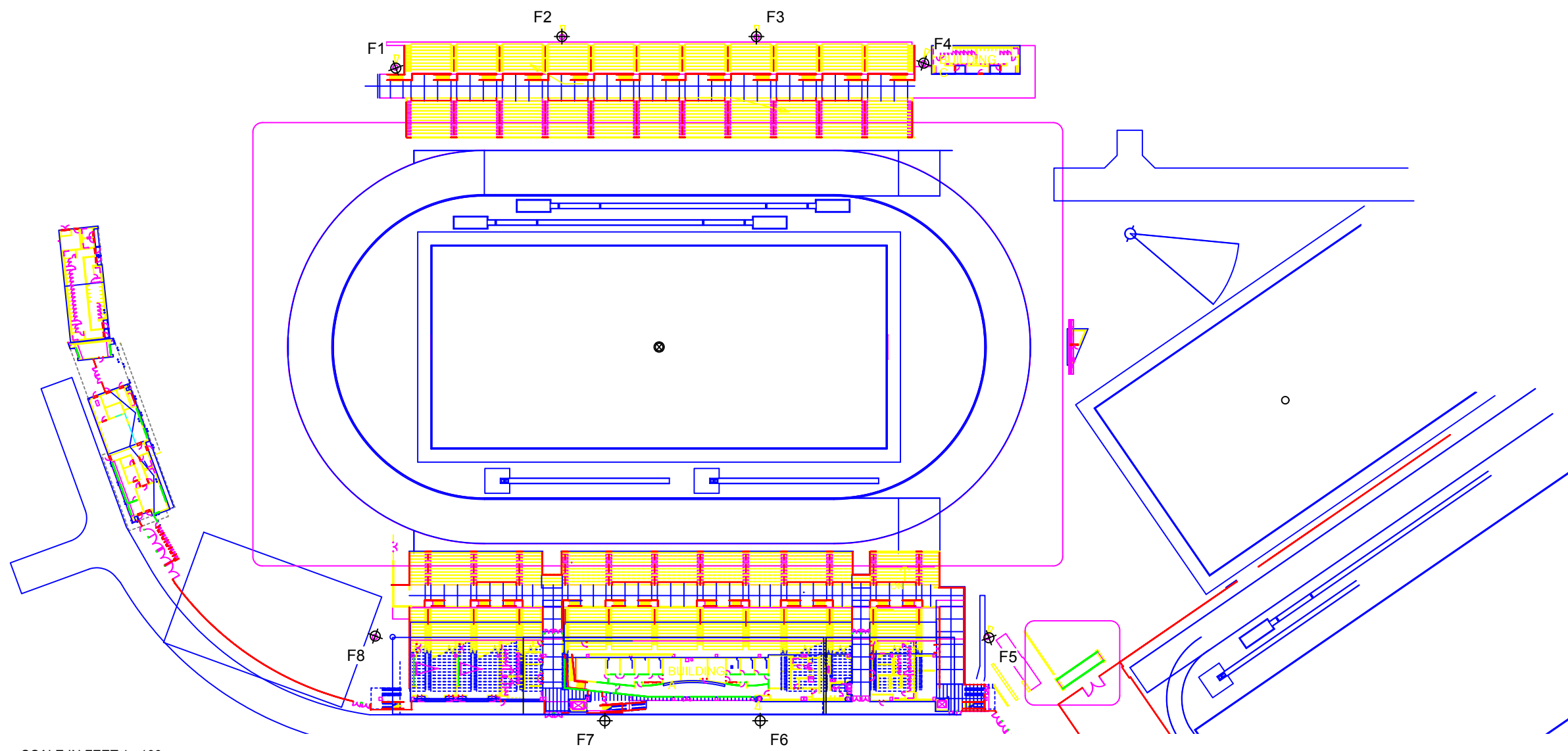
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Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

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

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0.09



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



Mt. SAC Athletics Complex East
Walnut, CA

GRID SUMMARY	
Name:	VERTICAL SP - POINT 8012
Spacing:	30.0' x 30.0'
Height:	61.3' above grade

ILLUMINATION SUMMARY			
MAINTAINED MAX VERTICAL FOOTCANDLES			
	Entire Grid		
Scan Average:	0.61		
Maximum:	0.61		
Minimum:	0.61		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

Reported per TM-21-11. See cutsheets for details.

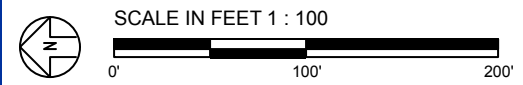
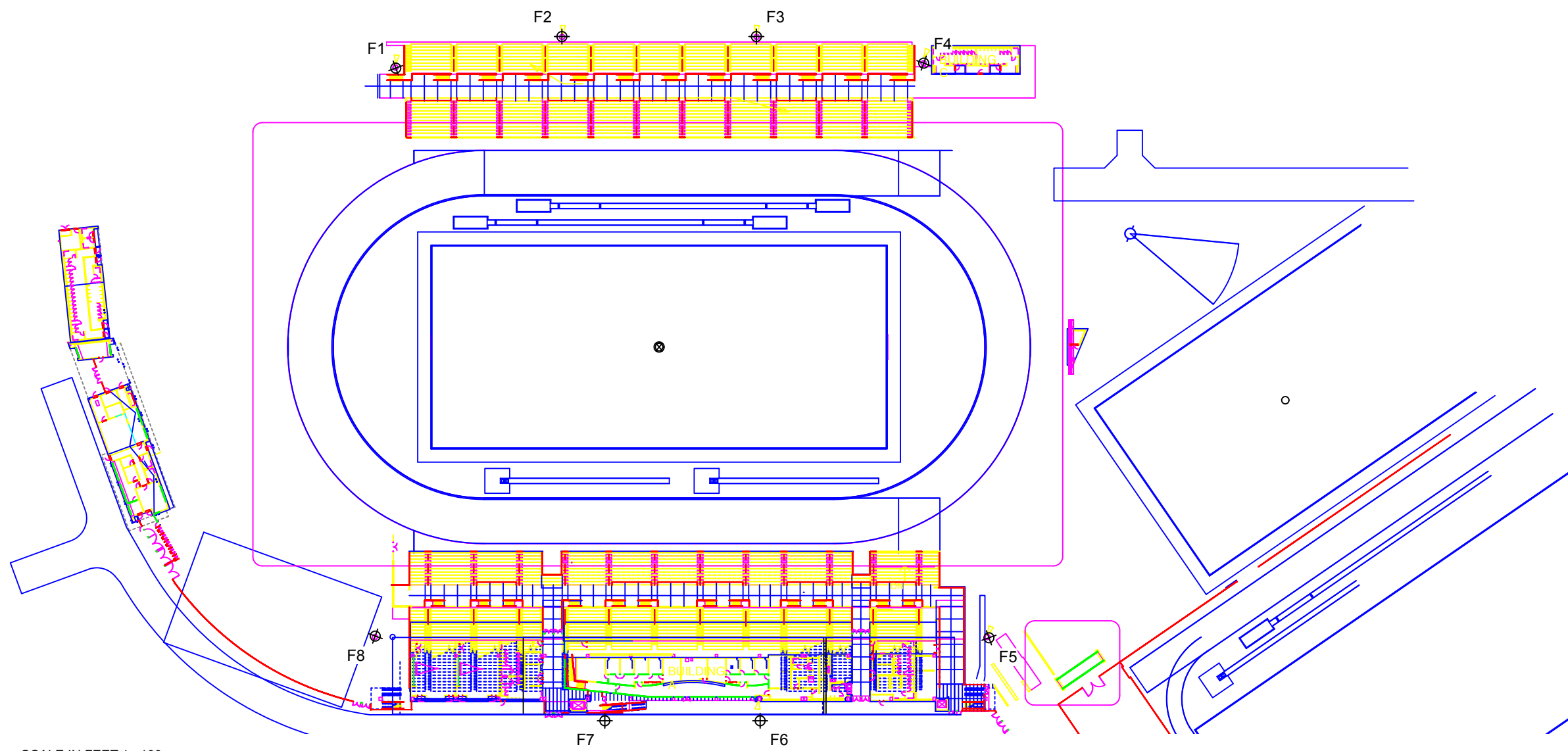
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Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

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

Installation Requirements: Results assume +/- 5% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

0.61



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



Mt. SAC Athletics Complex East
Walnut, CA

GRID SUMMARY	
Name:	HORIZONTAL SP - POINT 8012
Spacing:	30.0' x 30.0'
Height:	59.3' above grade

ILLUMINATION SUMMARY			
MAINTAINED HORIZONTAL FOOTCANDLES			
	Entire Grid		
Scan Average:	0.08		
Maximum:	0.08		
Minimum:	0.08		
No. of Points:	1		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	133,000 lumens		
Total LLF:	1.000		
No. of Luminaires:	184		
Total Load:	257.6 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
228NB 1400	>36,000	>36,000	>36,000

Reported per TM-21-11. See cutsheets for details.

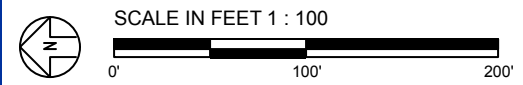
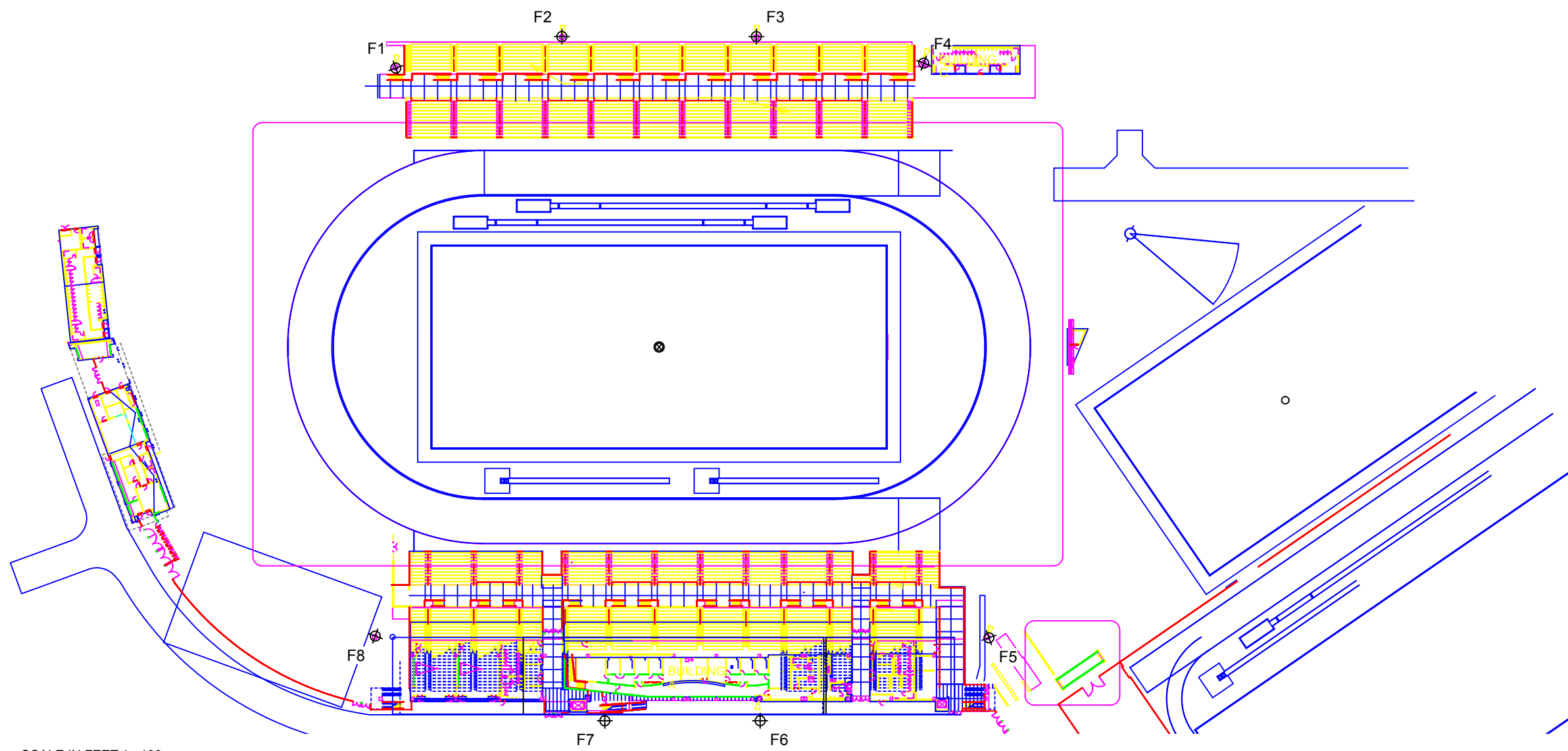
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Installation Requirements: Results assume +/- 5% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

0.08



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

