

ADOLFO CAMARILLO HIGH SCHOOL STADIUM LIGHTING

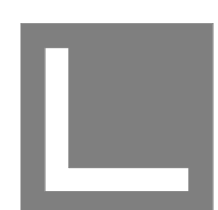
OXNARD UNION HIGH SCHOOL DISTRICT

DSA SUBMITTAL

02/11/2020




COVER SHEET
G0.1



ADOLFO CAMARILLO HIGH SCHOOL STADIUM LIGHTING

OXNARD UNION HIGH SCHOOL DISTRICT

APPLICABLE STATE CODES		PROJECT DIRECTORY		VICINITY MAP <small>NOT TO SCALE</small>		SHEET INDEX	
<div>1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH: 2016 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R. 2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2015 INTERNATIONAL BUILDING CODE VOLUMES 1 & 2 AND 2013 CALIFORNIA AMENDMENTS) 2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2014 NATIONAL ELECTRICAL CODE AND 2013 CALIFORNIA AMENDMENTS) 2016 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R. (2015 UNIFORM MECHANICAL CODE AND 2013 CALIFORNIA AMENDMENTS) 2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2015 UNIFORM PLUMBING CODE AND 2013 CALIFORNIA AMENDMENTS) 2016 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R. 2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2015 INTERNATIONAL FIRE CODE AND 2013 CALIFORNIA AMENDMENTS) 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), Part 11, Title 24 C.C.R. 2016 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS 2. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE REQUIREMENTS OF THESE CODES AND ALL APPLICABLE LOCAL ORDINANCES. WHERE CONTRACT DOCUMENTS EXCEED SUCH REQUIREMENTS, WITHOUT VIOLATING SUCH CODES, REGULATIONS AND ORDINANCES, CONTRACT DOCUMENTS TAKE PRECEDENCE. WHERE CODES CONFLICT, THE MORE STRINGENT SHALL APPLY. 3. THE PROVISIONS OF 2016 CFC CHAPTER 11 AND 2016 CBC CHAPTER 33 SHALL BE ENFORCED ON THIS PROJECT. 4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT. 5. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.</div>		<div>PROJECT ADOLFO CAMARILLO HIGH SCHOOL STADIUM LIGHTING 4660 MISSION OAKS BLVD CAMARILLO, CA 93012 OWNER OXNARD UNION HIGH SCHOOL DISTRICT 309 S. "K" STREET OXNARD, CA 93030 (805) 385-2500 ARCHITECT LITTLE 1300 DOVE STREET, SUITE 100 NEWPORT BEACH, CA 92660 (949) 698-1400 (949) 698-1433 (FAX) ELECTRICAL ENGINEOUS GROUP INC. 751 N. FAIR OAKS, #201 PASADENA, CA 91103 (626) 714-7506</div>				<div>GENERAL G0.1 COVER SHEET G1.1 TITLE SHEET/SHEET INDEX ARCHITECTURAL A1.1 OVERALL SITE PLAN A1.2 EGRESS PHOTOMETRIC SCANS MUSCO STADIUM LIGHTING MT1 NOTES, RETROFIT CONFIGURATION MS1 POLE DETAIL ELECTRICAL E-100 ELECTRICAL COVER SHEET E-200 EMERGENCY SYSTEM DIAGRAM GRAND TOTAL: 8</div>	
GENERAL NOTES		SCOPE OF WORK		STATEMENT OF GENERAL CONFORMANCE			
<div>1. DURING THE ENTIRE CONSTRUCTION PERIOD, IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CONDITIONS AT THE PROJECT SITE, TO MEET THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND CALIFORNIA OCCUPATIONAL REGULATIONS. THIS PROVISION SHALL COVER THE CONTRACTOR'S EMPLOYEES AND ALL OTHER PERSONS WORKING FOR DIRECTION, CONSTRUCTION INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY CONTRACTOR AT NO EXPENSE TO THE OWNER. 2. CONFIRM ALL NEW AND EXISTING CONDITIONS WITH THE CONTRACT DOCUMENTS. NOTIFY ARCHITECT IMMEDIATELY IN WRITING OF ALL DISCREPANCIES OR CONFLICTS. DO NOT PROCEED WITH WORK IN THE AREA OF DISCREPANCY OR CONFLICT UNTIL DIRECTION IS GIVEN BY ARCHITECT. IF CONTRACTOR PROCEEDS WITHOUT DIRECTION FROM ARCHITECT, IT SHALL BE AT CONTRACTORS RISK, AND CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CORRECTIVE ACTION. 3. REVIEW THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF SYSTEMS SHOWN ON CONSULTING ENGINEERS DOCUMENTS. DISCREPANCIES BETWEEN THE ARCHITECTURAL AND CONSULTING ENGINEERS DOCUMENTS SHALL BE BROUGHT TO ARCHITECT'S ATTENTION FOR DIRECTION. CONSTRUCTION INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY CONTRACTOR AT NO EXPENSE TO THE OWNER. 4. DO NOT SCALE THE CONSTRUCTION DOCUMENTS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED GRAPHICS. NOTIFY ARCHITECT IMMEDIATELY IN WRITING OF ALL ADDITIONAL REQUIRED DIMENSIONS. DO NOT PROCEED WITH WORK IN THE AREA OF DISCREPANCY OR CONFLICT UNTIL DIRECTION IS GIVEN BY ARCHITECT. IF THE CONTRACTOR PROCEEDS WITHOUT DIRECTION FROM ARCHITECT, IT SHALL BE AT CONTRACTORS RISK, AND CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CORRECTIVE ACTION. 5. CORRECT ALL WORK INSTALLED IN CONFLICT WITH THE CONSTRUCTION DOCUMENTS BY CONTRACTOR AS DIRECTED BY ARCHITECT AND AT NO ADDITIONAL EXPENSE TO THE OWNER. 6. VISIT JOB SITE PRIOR TO BEGINNING WORK AND VERIFY ALL DIMENSIONS AND CONDITIONS. 7. WHERE WORK OR EQUIPMENT IS INDICATED "N.I.C." (NOT IN CONTRACT) ON THE DRAWINGS, SUCH WORK AND/OR EQUIPMENT SHALL BE PROVIDED BY OTHERS. CONTRACTOR SHALL COORDINATE AND COOPERATE TO EFFECT SUCH INSTALLATION. 8. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT THE REVIEW OF ARCHITECT UNLESS NOTED (+/-) OR "VERIFY". DIMENSIONS NOTED "HOLD" SHALL BE CONSIDERED AS ABSOLUTE AND USED FOR LAY-OUT CONTROL UNLESS OTHERWISE DIRECTED BY ARCHITECT. 9. ALL HEIGHTS ARE DIMENSIONED FROM TOP OF SLAB UNLESS NOTED "AFF" (ABOVE FINISH FLOOR). 10. "TYPICAL" MEANS COMPARABLE CHARACTERISTICS FOR THE ELEVATION OR DETAIL NOTED. WHEN A DETAIL OR NOTE IS IDENTIFIED AS "TYPICAL", CONTRACTOR SHALL APPLY THIS DETAIL OR NOTE TO EVERY LIKE CONDITION, WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE. VERIFY DIMENSIONS AND ORIENTATION ON PLANS. 11. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE ELEVATION OR DETAIL NOTED VERIFY DIMENSIONS AND ORIENTATION ON PLANS. 12. PROVIDE BARRICADES AND PROTECTIVE DEVICES SEPARATING CONSTRUCTION AREAS. PROVIDE TEMPORARY PASSAGES AS REQUIRED. PRIOR TO DELIVERY OF MATERIALS TO CONSTRUCTION ZONE AND REMOVAL OF WASTE FROM SITE, CHECK WITH [OWNER/ARCHITECT/RESIDENT INSPECTOR] FOR ACCEPTABLE ACCESS ROUTE AND TIME. UNDER NO CIRCUMSTANCES USE AREA OUTSIDE THE CONSTRUCTION ZONE WITHOUT PRIOR CLEARANCE FROM THE [OWNER/ARCHITECT/RESIDENT INSPECTOR]. COMPLY WITH REQUIREMENTS AS SPECIFIED IN PROJECT MANUAL. 13. TAKE ALL MEASURES TO ACCOMPLISH THE WORK WITH THE MINIMUM OF INTERRUPTION TO NORMAL BUILDING PROCEDURES. NOTIFY OWNER IN ADVANCE OF HVAC, ELECTRICAL OR OTHER BUILDING SYSTEM SHUT-OFFS. MINIMIZE NOISE AND DUST GENERATION TO MAXIMUM EXTENT POSSIBLE. COMPLY WITH REQUIREMENTS AS SPECIFIED IN PROJECT MANUAL. 14. REMOVE ALL TRASH AND DEBRIS DAILY. DO NOT STORE BUILDING MATERIALS IN CORRIDORS AT ANY TIME. COMPLY WITH REQUIREMENTS AS SPECIFIED IN PROJECT MANUAL. 15. PERFORM ALL CUTTING, PATCHING, AND FINISHING NECESSARY TO RESTORE THE BUILDING AND SITE TO ORIGINAL CONDITION OF ALL EXISTING PORTIONS OF THE BUILDING AND SITE AFFECTED BY CONTRACTORS WORK, TO THE SATISFACTION OF ARCHITECT AND OWNER. 16. VERIFY POINTS OF CONNECTION, INCLUDING SIZES AND LOCATIONS, AND ALL OTHER REQUIRED OPERATING CRITERIA WITH EQUIPMENT MANUFACTURER. 17. CONTRACTOR SHALL STIPULATE THAT ALL PROPOSED SUBSTITUTIONS ARE EQUAL IN PERFORMANCE AND COMPLY WITH APPLICABLE CODES AND REGULATIONS. CONTRACTOR'S SUBSTITUTION OF ALTERNATE MATERIALS OR SYSTEMS SHALL BE AT NO ADDITIONAL COST TO OWNER. 18. CONTRACTOR SHALL INSURE ALL CONSTRUCTION SHALL REMAIN ACCESSIBLE AND EXPOSED FOR INSPECTION PURPOSES UNTIL APPROVED BY THE INSPECTOR OF RECORD. FOR CONTINUOUS INSPECTION, TESTING, AND OBSERVATION REQUIREMENTS, REFER TO THE TESTING AND OBSERVATION PROGRAM.</div>		<div>WORK UNDER THIS CONTRACT INCLUDES THE FOLLOWING ITEMS SHOWN ON THE DRAWINGS AND AS SPECIFIED IN THE PROJECT MANUAL, INCLUDING: 1. RETROFIT (8) EXISTING STADIUM LIGHTS (MUSCO LIGHT FIXTURES ONLY & RELATED COMPONENTS)</div>		<div>FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS The drawings or sheets listed on the sheet index under: "MUSCO STADIUM LIGHTING" have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for: 1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and 2) coordination with my plans and is acceptable for incorporation into the construction of this project. The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1, (Title 24, Part 1, Section 4-317 (b)) I certify that all drawings listed on the sheet index under: "MUSCO STADIUM LIGHTING" are in general conformance with the project design, and have been coordinated with the project plans.</div>			
DSA REQUIREMENTS		PROJECT INSPECTOR					
<div>CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT (DSA), AS REQUIRED BY SEC. 4-338, PART 1, TITLE 24, CCR. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SEC. 4-317(c), PART 1, TITLE 24, CCR)</div>		<div>A DIVISION OF THE STATE ARCHITECT (DSA) CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. DUTIES AND REQUIRED IOR CLASSIFICATION PER SECTION 4-342, TITLE 24, PART 1 CCR AND IR A-7; CLASS 1 INSPECTOR CERTIFIED BY DSA. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.</div>					

PROJECT TEAM		
PRINCIPAL IN CHARGE JT		
PROJECT MANAGER FM		
DESIGN TEAM FM		
PROJECT NAME ADOLFO CAMARILLO HIGH SCHOOL STADIUM LIGHTING		
PROJECT NO. 6121235301		
SHEET TITLE TITLE SHEET/SHEET INDEX		
SHEET NUMBER G1.1		

KEYNOTES

26.19 (E) STADIUM LIGHT POLE TO REMAIN, TYP. OF 8.
RETROFIT FIXTURES PER MUSCO DRAWINGS

LEGEND

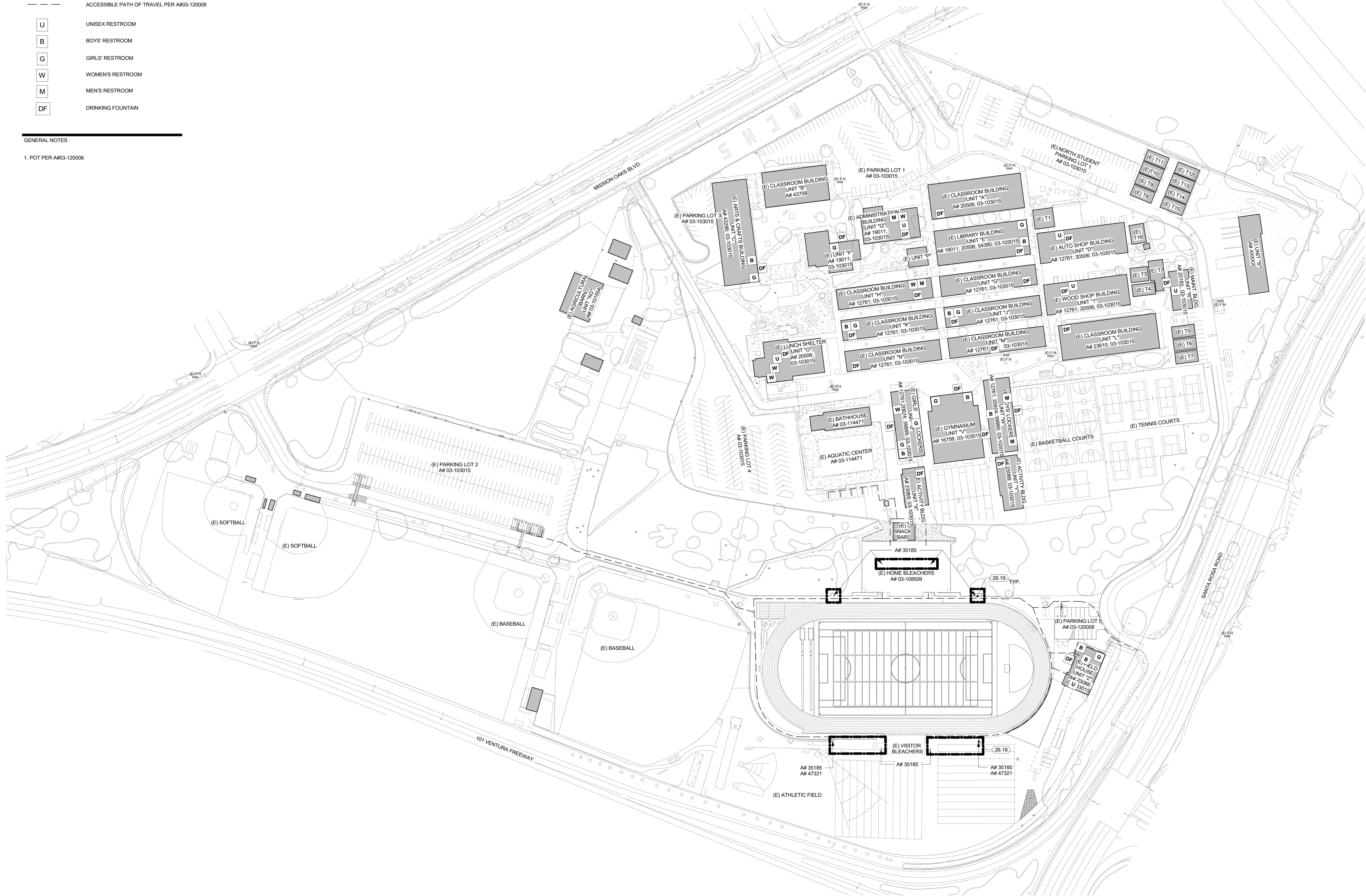
- (E) BUILDING TO REMAIN
- EXTENT OF SCOPE OF WORK
- ACCESSIBLE PATH OF TRAVEL PER A#03-120008
- UNISEX RESTROOM
- BOYS' RESTROOM
- GIRLS' RESTROOM
- WOMEN'S RESTROOM
- MEN'S RESTROOM
- DRINKING FOUNTAIN

GENERAL NOTES

1. POT PER A#03-120008

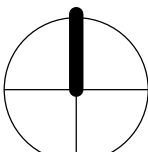
DSA CERTIFICATIONS

DSA A# STATUS
35185 CERTIFICATION AND CLOSE OF FILE
47321 CERTIFICATION AND CLOSE OF FILE



OVERALL SITE PLAN

1" = 80'-0" A1.1



AGENCY REVIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120336 INC.
REVIEWED FOR
SS ☐ FLS ☐ ACS ☐
DATE: 02/11/2020

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING

1300 Dove Street, Suite 100
Newport Beach, CA, 92660
T: 949.698.1400

www.littleonline.com

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CLIENT NAME

**OXNARD UNION
HIGH SCHOOL
DISTRICT**

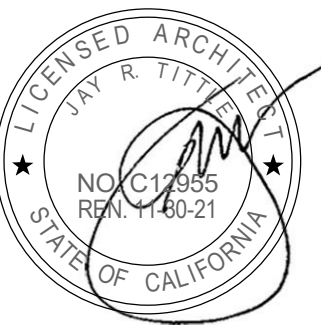
PROJECT NAME

**ADOLFO CAMARILLO HIGH SCHOOL
STADIUM LIGHTING**

**4660 MISSION OAKS BLVD.,
CAMARILLO, CA. 93012**

CONSULTANT

SEAL



ISSUE FOR

DSA SUBMITTAL

ISSUE DATE

02/11/2020

REVISIONS

NO.	REASON	DATE

PROJECT TEAM

PRINCIPAL IN CHARGE

JT

PROJECT MANAGER

FM

DESIGN TEAM

FM

PROJECT NAME

**ADOLFO CAMARILLO HIGH
SCHOOL STADIUM
LIGHTING**

PROJECT NO.

6121235301

SHEET TITLE

OVERALL SITE PLAN

SHEET NUMBER

A1.1

EQUIPMENT LIST FOR AREAS SHOWN									
QTY	LOCATION	SIZE	GRADE ELEVATION	WORKING HEIGHT	LUMINAIRE TYPE	POLT	HTS	GRD	STREET GRDS
2	F2-F3	70"	25'	50'	TLC-LED-400	1"	1	0	
2					TLC-LED-400	1"	1	0	
TOTALS						4	4	0	

This structure is back to back mounting configuration



SCALE IN FEET 1: 30
ENGINEERED DESIGN By: Daniel Lohman • File #2007968 • 06-Jan-20

Pole location(s) → dimensions are relative to 0.0 reference point(s) ○

Adolfo Camarillo High School Relight
Camarillo, CA

GRID SUMMARY	
Name:	Home Bleachers
Size:	30'0" x 10'0"
Spacing:	10'0" x 10'0"
Height:	8'5" above grade
ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	5.40
Maximum:	9
Minimum:	3
Avg / Min:	2.07
Max / Min:	3.55
UG (adjacent pts):	0.00
CU:	0.38
No. of Points:	180
LUMINAIRE INFORMATION	
Color / CRI:	5700K - 75 CRI
Luminaire Output:	46,500 lumens
No. of Luminaires:	6
Total Load:	2.4 kW
Luminaire Information	
Luminaire Type:	150 hrs 180 hrs 170 hrs
TLC-LED-400	>81,000 >81,000 >81,000

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



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ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN									
QTY	LOCATION	SIZE	GRADE ELEVATION	WORKING HEIGHT	LUMINAIRE TYPE	POLT	HTS	GRD	STREET GRDS
2	F6-F7	70"	-	50'	TLC-LED-400	1"	1	0	
2					TLC-LED-400	1"	2	0	
TOTALS						2	2	0	

This structure is back to back mounting configuration



SCALE IN FEET 1: 30
ENGINEERED DESIGN By: Daniel Lohman • File #2007968 • 06-Jan-20

Pole location(s) → dimensions are relative to 0.0 reference point(s) ○

Adolfo Camarillo High School Relight
Camarillo, CA

GRID SUMMARY	
Name:	Away Bleachers
Size:	30'0" x 10'0"
Spacing:	10'0" x 10'0"
Height:	22'5" above grade
ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	14.13
Maximum:	29
Minimum:	8
Avg / Min:	1.75
Max / Min:	3.56
UG (adjacent pts):	0.00
CU:	0.18
No. of Points:	32
LUMINAIRE INFORMATION	
Color / CRI:	5700K - 75 CRI
Luminaire Output:	46,500 lumens
No. of Luminaires:	4
Total Load:	2.4 kW
Luminaire Information	
Luminaire Type:	150 hrs 180 hrs 170 hrs
TLC-LED-400	>81,000 >81,000 >81,000

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

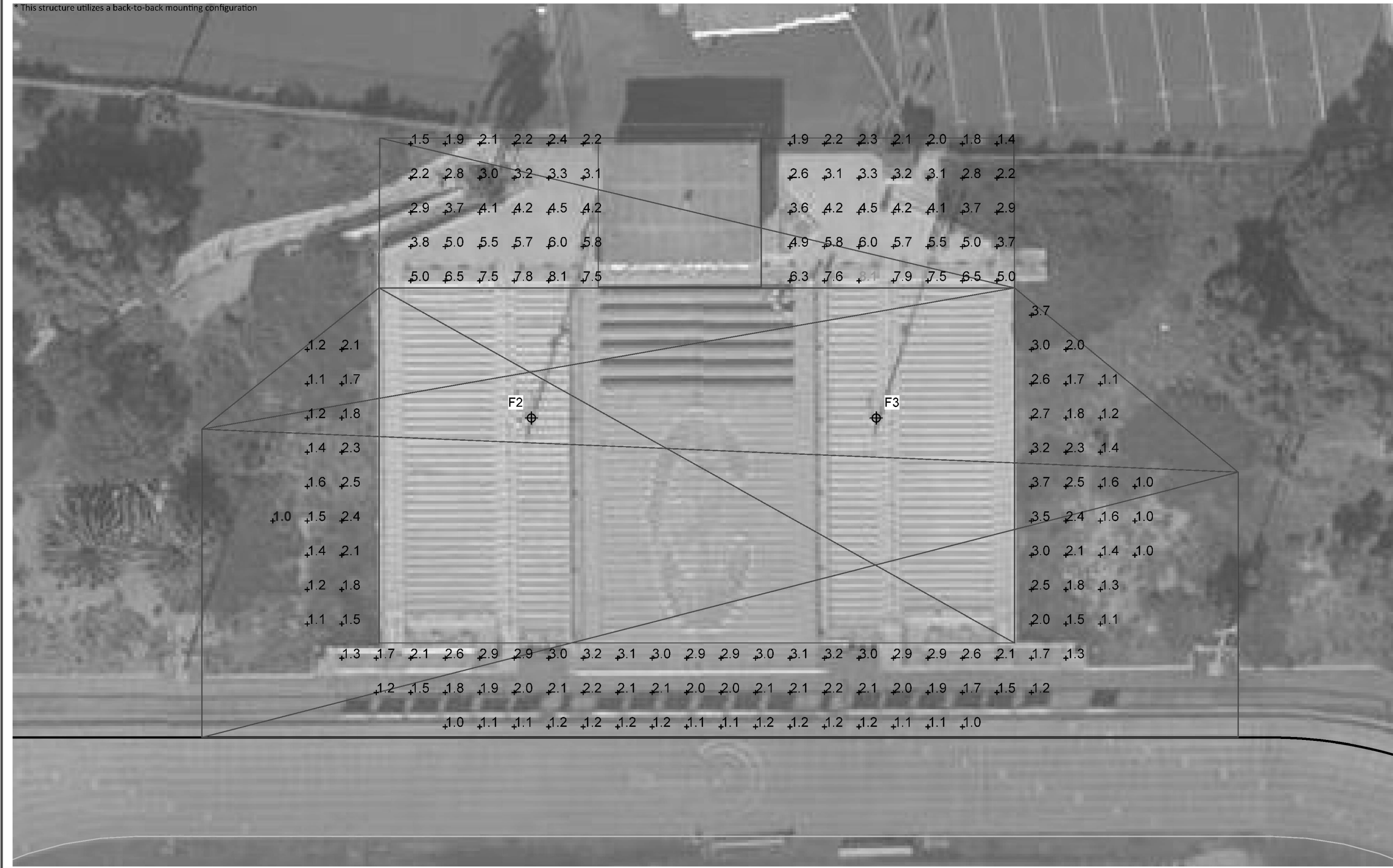


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ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN									
QTY	LOCATION	SIZE	GRADE ELEVATION	WORKING HEIGHT	LUMINAIRE TYPE	POLT	HTS	GRD	STREET GRDS
2	F2-F3	70"	-	50'	TLC-LED-400	1"	1	0	
2					TLC-LED-400	1"	1	0	
TOTALS						4	4	0	

This structure is back to back mounting configuration



SCALE IN FEET 1: 30
ENGINEERED DESIGN By: Daniel Lohman • File #2007968 • 06-Jan-20

Pole location(s) → dimensions are relative to 0.0 reference point(s) ○

Adolfo Camarillo High School Relight
Camarillo, CA

GRID SUMMARY	
Name:	Egress Blanket Grid - Home
Spacing:	10'0" x 10'0"
Height:	4'0" above grade
ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	3.78
Maximum:	8
Minimum:	1
Avg / Min:	2.88
Max / Min:	8.86
UG (adjacent pts):	0.00
CU:	0.19
No. of Points:	172
LUMINAIRE INFORMATION	
Color / CRI:	5700K - 75 CRI
Luminaire Output:	46,500 lumens
No. of Luminaires:	6
Total Load:	2.4 kW
Luminaire Information	
Luminaire Type:	150 hrs 180 hrs 170 hrs
TLC-LED-400	>81,000 >81,000 >81,000

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



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LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING

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www.littleonline.com

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CLIENT NAME

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DISTRICT

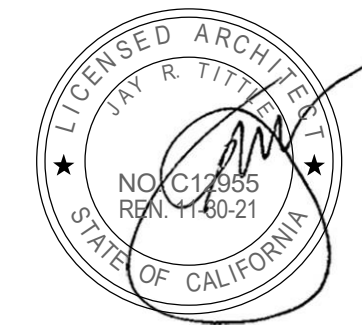
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4660 MISSION OAKS BLVD,
CAMARILLO, CA 93012

CONSULTANT

SEAL



ISSUE FOR

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ISSUE DATE

02/11/2020

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NO.	REASON	DATE

PROJECT TEAM

PRINCIPAL IN CHARGE

JT

PROJECT MANAGER

FM

DESIGN TEAM

FM

PROJECT NAME

ADOLFO CAMARILLO HIGH
SCHOOL STADIUM
LIGHTING

PROJECT NO.

6121235301

SHEET TITLE

EGRESS PHOTOMETRIC SCANS

SHEET NUMBER

A1.2

GENERAL NOTES:

SCOPE OF WORK

Remove all existing light fixtures, & cross-arm support from top of (8) existing poles and replace with new light fixtures, new cross-arm supports as indicated. Remove existing ballast boxes & add ballast boxes as indicated.

APPLICABLE BUILDING CODE

All construction and workmanship shall conform to the 2016 California Building Code, California Code of Regulations – Title 24, Parts 1 & 2.

This pole and foundation standard has been designed for lateral loads on the completed structure as follows:

- Wind Design Data:
- Vult = 110 MPH (Exposure C); Vasd = 85 MPH (Exposure C)
 - Risk Category = II

- Seismic Design Data:
- Ie = 1.0
 - Risk Category = II (Self Supporting Poles)
 - Ss = 2.208
 - Si = 0.795
 - Site Class = D
 - Sas = 1.472
 - Sep = 0.795
 - Seismic Design Category = E
 - Basic Seismic-Force-Resisting System = Non-Building Structure, not similar to buildings
 - R = 1.5
 - Analysis Procedure = Equivalent Lateral Force Procedure
 - See Pole Foundation Schedule for maximum pole seismic forces.

GENERAL CONSTRUCTION

These notes shall be used in conjunction with the plans and any discrepancies shall be brought to the attention of the Engineer.

Contractor must check all dimensions, clearances and job conditions before starting work. Engineer shall be notified immediately of any discrepancies or possible deficiencies.

The drawings and specifications represent the finished structure. All bracing, temporary supports, shoring, etc., is the sole responsibility of the Contractor. Observation visits to the job site by the Engineer do not include inspection of construction procedures. The Contractor is solely responsible for all construction methods and for safety conditions at the worksite. These visits shall not be construed as continuous and detailed inspections.

Design, material, equipment, and products other than those described below or indicated on the drawings may be considered for use, provided prior approval is obtained from the School District, Engineer, and the Division of the State Architect.

All changes in approved plans shall be made by means of construction change documents (CCD) approved by the Division of State Architect, as required by Section 4–338, Part 1, Title 24, CCR. All CCD documents shall be signed by the Architect and Owner. Addenda shall be signed by the design professional in general responsible charge.

Substitutions shall be considered as a CCD and shall be approved by DSA prior to fabrication or use.

A Class 1 or Class 2 Project Inspector employed by the District (Owner) and approved by the Division of State Architect shall provide continuous inspection of the work, the duties of the inspector are defined in Section 4–342, Part 1, Title 24, CCR.

All Tests And Inspections shall be performed by an Independent lab employed by the School District and approved by DSA.

Reference pole location drawings provided by the Architect, Structural Engineer, or Electrical Engineer for actual pole placement and site location.

STEEL POLE

All miscellaneous structural steel items conform to AISC 360–10.

All weldment conforms with AWS D1.1 specification for GMAW fillet utilizing E70S–X filler metal or SAW fillet utilizing F7XX–EXXX or F8XX–EXXX filler metal. GMAW procedure conforms to AWS A5.18. SAW procedure conforms to AWS A5.23.

All field welding shall be in compliance with AWS D1.1 specification.

All welding shall be continuously inspected by an AWS CWI certified inspector approved by DSA.

All exposed steel shall be hot dipped galvanized to ASTM A123 latest standards.

TESTING AND INSPECTION

Testing and inspection in accordance with Title 24, Part 1 & Part 2.

STEEL MATERIALS:

Structural steel – 2203A.1 & 2205A.1
Cold formed steel – 2210A.1
Identification – 2203A.1

STEEL QUALITY:

Tests of structural steel & cold formed steel – 2203A.1
Non-destructive weld tests – 1705A.2.5 & DSA IR–17–2

STRUCTURAL STEEL INSPECTIONS: Table 1705A.2.1
Shop fabrication inspection – 1704A2.5
Welding – 1705A.2.5, DSA IR 17–3 and AWS D1.1.

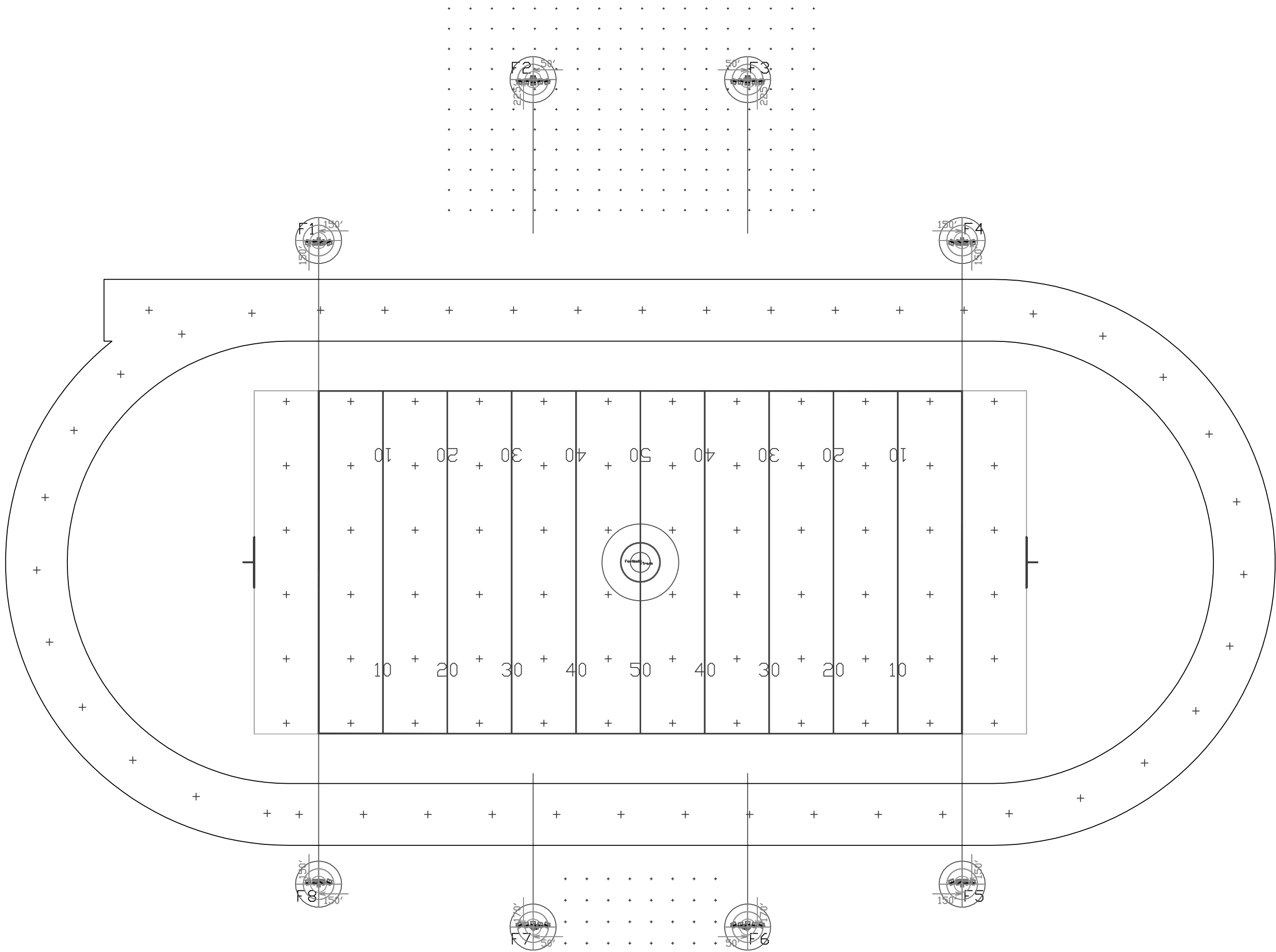
NOTE: Field verify existing pole conditions & repair any defects, if found. Repair procedures and details to be reviewed and approved by Structural Engineer of Record and DSA.

These plans are for construction approval. An application number and approval of these drawings by the Division of The State Architect of California must be secured to build from these plans.

INDEX OF SHEETS

MT1 NOTES, RETROFIT CONFIGURATION

MS1 70’ POLE DETAILS



POLE ORIENTATION PLAN

N.T.S.

NOTE: THIS PLAN IS A PICTORIAL REPRESENTATION OF THE SITE LAYOUT.
REFERENCE APPROPRIATE ARCHITECTURAL SITE PLAN FOR ALL NECESSARY INFORMATION.

Existing Retrofit Configuration

Exist Pole (As-Built)	Type Attachment	Number Attachments	EPA ¹ / Attachment sq ft (t)	Total EPA sq ft	Weight ² / Attachment lbs	Total Attachment Weight lbs	Weight Ballast Per Fixture lbs	Total ballast Weight lbs	Pole weight lbs	Total weight lbs
F1– F8	LIGHT FIXTURE	12	2.7	32.4	49	590	–	–	2,144	2,734

1. EPA VALUES OF EXISTING FIXTURES WERE TAKEN FROM DSA APPROVED CALCULATIONS.
2. WEIGHTS OF EXISTING FIXTURES WERE ASSUMED.

Proposed Retrofit Configuration

Exist Pole (As-Modified)	Type Attachment	Number Attachments	EPA/Attachment sq ft	Total EPA sq ft	Weight/ Attachment lbs	Total Attachments Weight lbs	Weight Elect. Driver Per Fixture lbs	Total Elect. Driver Weight lbs	Pole weight lbs	Total weight lbs	Max. % Weight Difference	Max. % EPA Difference
F1, F4, F5, F8	LED1500	4	3.4	13.5	92.8	371	20	120	2,144	2,744	0.37	–44.28
	LED575	2	2.3	4.5	54.5	109						
F6, F7	LED1500	5	3.5	17.4	92.8	464	20	120	2,144	2,865	4.80	–29.98
	LED400	1	2.1	2.1	71	71						
	SPEAKER*	1	3.2	3.2	66	66	–	–				
F2, F3	LED1500	5	3.4	16.9	92.8	464	20	140	2,144	2,998	9.64	0.09
	LED400	1	4.3	4.3	71	71						
	EXTENSION MOUNTING HARDWARE	1	0	0	107	107						
	LED400	1	4.1	4.1	71	71						
	SPEAKER*	2	2.9	5.8	56	111	–	–				
	SPEAKER*	1	1.4	1.4	51	51	–	–				

* SPEAKERS ARE INSTALLED ON POLES AND WERE NOT INCLUDED IN ORIGINAL POLES DESIGN.

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DSA–TITLE1_E

Adolfo Camarillo High School Relight
FIELD LIGHTING
Camarillo, CA

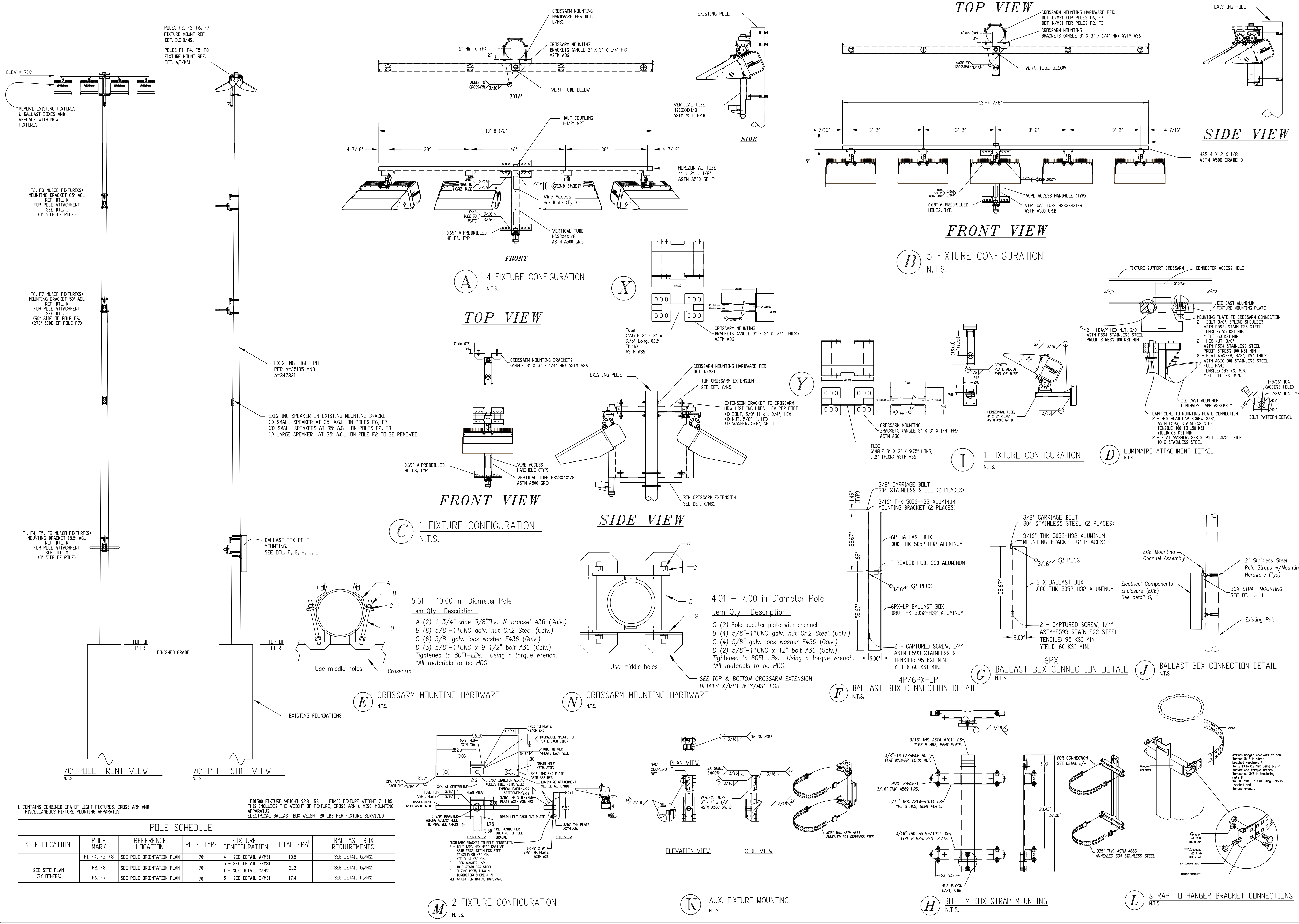


CORPORATE OFFICE:
P.O. Box 808
100 1st Avenue West
Oskaloosa, Iowa 52577
800/825–6020

musco
Lighting

DRAWING TITLE: SCALE: SEE PLAN	PROJECT NO. 200796
NOTES, RETROFIT CONFIGURATION	DATE: 02/05/2020
REVISIONS:	DRAWN BY: BCarter
REFERENCE:	DRAWING NO. MT1

1 OF 2



POLE SCHEDULE					
SITE LOCATION	POLE MARK	REFERENCE LOCATION	POLE TYPE	FIXTURE CONFIGURATION	TOTAL EPA ¹
SEE SITE PLAN (BY OTHERS)	F1, F4, F5, F8	SEE POLE ORIENTATION PLAN	70'	4 - SEE DETAIL A/MS1	13.5
	F2, F3	SEE POLE ORIENTATION PLAN	70'	5 - SEE DETAIL B/MS1	21.2
	F6, F7	SEE POLE ORIENTATION PLAN	70'	5 - SEE DETAIL C/MS1	17.4
				BALLAST BOX REQUIREMENTS	
					SEE DETAIL G/MS1
					SEE DETAIL H/MS1
					SEE DETAIL I/MS1

Adolfo Camarillo High School Relight
FIELD LIGHTING
Camarillo, CA







































CORPORATE OFFICE:
P.O. Box 808
100 1st Avenue West
Oskaloosa, Iowa 52577
800/825-6020

DRAWING TITLE: POLE DETAIL	SCALE: SEE PLAN
REVISIONS:	
REFERENCE:	

PROJECT NO. 200796
DATE: 02/05/2020
DRAWN BY: B.Carter
DRAWING NO. 2 OF 2

MS1

SYMBOLS					
	SWITCHES & CONTROLS		POWER		LIGHTING/CEILING
	SWITCH, SINGLE POLE +48" ✖		SERVICE DISCONNECT, FUSED OR NON FUSED PER DRAWING		LIGHT, WALL MOUNTED, HEIGHT PER DRAWING, DETAILS PER FIXTURE SCHEDULE,
	SWITCH, DIMMER, SIZE PER LOAD OR SPECIFICATION +48" ✖		SERVICE DISCONNECT, MAGNETIC STARTER		LIGHT, WALL MOUNTED, HEIGHT PER DRAWING, DETAILS PER FIXTURE SCHEDULE, EMERGENCY LIGHT IF FILLED CENTER
	SWITCH, DIMMER 0-10V +48" ✖		SERVICE DISCONNECT, VFD		LIGHT, CEILING MOUNTED, DETAILS PER FIXTURE SCHEDULE
	SWITCH, 3 WAY, SINGLE POLE +48" ✖		OUTLET, SINGLE, 120V +18" ✖ SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, CEILING MOUNTED, DETAILS PER FIXTURE SCHEDULE EMERGENCY LIGHT IF FILLED CENTER
	SWITCH, 4 WAY +48" ✖		OUTLET, DUPLEX, 120V +18" ✖ SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, CEILING MOUNTED, PENDANT, DETAILS PER FIXTURE SCHEDULE
	SWITCH, KEY +48" ✖		OUTLET, HALF HOT, HALF SWITCHED, 120V +18" ✖ SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, CEILING MOUNTED, PENDANT, DETAILS PER FIXTURE SCHEDULE EMERGENCY LIGHT IF FILLED CENTER
	SWITCH, PILOT LIGHT, SINGLE POLE +48" ✖		OUTLET, DOUBLE DUPLEX, 120V +18" ✖ SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		FLUSH MOUNTED DOWN LIGHT, DETAILS PER FIXTURE SCHEDULE
	SWITCH, TIMER, 2 HR. NO HOLD MANUAL TYPE UNLESS NOTED OTHERWISE +48" ✖		OUTLET, DOUBLE DUPLEX, HALF HOT, HALF SWITCHED, 120V +18" ✖ SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		FLUSH MOUNTED WALL WASH/ADJUSTABLE, DETAILS PER FIXTURE SCHEDULE
	SWITCH, VACANCY DETECTOR +48" ✖		OUTLET, SINGLE, 240V SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		IN-GRADE RECESSED UP-LIGHT, DETAILS PER FIXTURE SCHEDULE
	OCCUPANCY SENSOR SINGLE CIRCUIT WALL SWITCH +48" ✖		OUTLET, SINGLE, 120/240V SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		FLUSH MOUNTED DOWN LIGHT, SQUARE CAN, DETAILS PER FIXTURE SCHEDULE
	OCCUPANCY SENSOR DUAL CIRCUIT WALL SWITCH +48" ✖		OUTLET, SINGLE, 3 PHASE SIZE AND TYPE PER CIRCUIT REQUIREMENTS OR SPECIFICATION		FLUSH MOUNTED WALL WASH/ADJUSTABLE, SQUARE CAN, DETAILS PER FIXTURE SCHEDULE
	OCCUPANCY SENSOR SINGLE CIRCUIT DIMMER 120V WALL SWITCH - LIKE LUTRON +48" ✖		OUTLET, DUPLEX, 120V, GFCI +18" ✖ SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, xxxxxx, DETAILS PER FIXTURE SCHEDULE
	OCCUPANCY SENSOR SINGLE CIRCUIT DIMMER 0-10V WALL SWITCH - LIKE LUTRON +48" ✖		OUTLET, DOUBLE DUPLEX, 120V, GFCI +18" ✖ SIZE AND TYPE PER CIRCUIT REQUIREMENTS OR SPECIFICATION		LIGHT, xxxxxx, DETAILS PER FIXTURE SCHEDULE
	CEILING MOUNTED MOTION SENSOR, ULTRA SOUND		OUTLET, DUPLEX, 120V, FLOOR MOUNT SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, xxxxxx, DETAILS PER FIXTURE SCHEDULE
	CEILING MOUNTED MOTION SENSOR, INFRARED		OUTLET, DOUBLE DUPLEX, 120V, FLOOR MOUNT SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, xxxxxx, DETAILS PER FIXTURE SCHEDULE
	CEILING MOUNTED MOTION SENSOR, COMBINATION ULTRA SOUND / INFRARED		OUTLET, PEDOC, DUPLEX, 120V, GFCI ✖ SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		VANITY WALL LIGHT, DETAILS PER FIXTURE SCHEDULE
	CEILING MOUNTED RELAY / POWER PACK FOR LOW VOLTAGE MOTION SENSORS, SIZE PER CIRCUIT AND SENSOR REQUIREMENTS		OUTLET, PEDOC, DOUBLE DUPLEX, 120V, GFCI ✖ SIZE AND TYPE PER CIRCUIT REQUIREMENTS OR SPECIFICATION		TRACK LIGHT, DETAILS PER FIXTURE SCHEDULE
	CEILING MOUNTED RELAY SLAVE PACK FOR LOW VOLTAGE MOTION SENSOR, SIZE PER CIRCUIT AND SENSOR REQUIREMENTS		OUTLET, PEDOC, SINGLE, 120/240V, GFCI ✖ SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		COVE LIGHT, DETAILS PER FIXTURE SCHEDULE
	THERMOSTAT, +48" ✖		OUTLET, SINGLE/2-PORT USB COMBO, 120V ✖ SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, POLE-ARM, DETAILS PER FIXTURE SCHEDULE
	TIME CLOCK, POLES AND VOLTAGE AS NEEDED OR SPECIFIED		OUTLET, 4-PORT USB ✖ SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, POLE-CENTER, DETAILS PER FIXTURE SCHEDULE
	EXTERIOR=PHOTO CELL, SIZE AND VOLTAGE PER CIRCUIT OR AS SPECIFIED INTERIOR=0-10V PHOTO SENSOR RE. DAYLIGHT CONTROLLER		OUTLET, DUPLEX EM CIRCUIT, 120V +18" ✖ SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, BOLLARD SQUARE, DETAILS PER FIXTURE SCHEDULE
			JUNCTION BOX		LIGHT, BOLLARD ROUND, DETAILS PER FIXTURE SCHEDULE
					LANDSCAPE UP OR DOWN LIGHT, DETAILS PER FIXTURE SCHEDULE
			COMMUNICATIONS/CONTROLS		EXIT SIGN, DARK SPOT INDICATES DIRECTION THE LIGHTED FACE IS TO BE VISIBLE FROM, ARROWS INDICATE DIRECTION OF ARROWS ON THE SIGN FACE
					EXIT SIGN, DARK SPOTS INDICATE DIRECTION THE LIGHTED FACES ARE TO BE VISIBLE FROM, ARROWS INDICATE DIRECTION OF ARROWS ON THE SIGN FACE
	NOTES & MISC.		THERMOSTAT, +48" ✖		EXIT SIGN, DARK SPOTS INDICATE DIRECTION THE LIGHTED FACES ARE TO BE VISIBLE FROM, ARROWS INDICATE DIRECTION OF ARROWS ON THE SIGN FACE
	INDICATES PLAN KEYED NOTE		HUMIDITY SENSOR		COMBINATION EXIT SIGN, EMERGENCY LIGHT WITH BATTERY BACK UP
	INDICATES PLAN KEYED NOTE		SPEAKER AND BOX PROVIDED BY OTHERS, BOX PIPED AND INSTALLED BY E. C.		EMERGENCY LIGHT, BATTERY POWERED
	INDICATES PLAN KEYED NOTE		TELEPHONE OUTLET, +18" ✖		STEP/NICHE LIGHT, DETAILS PER FIXTURE SCHEDULE
	INDICATES REVISION		COMPUTER OUTLET, +18" ✖		LIGHT, WALL SMALL UP/DN-LIGHT, HEIGHT PER DRAWING, DETAILS PER FIXTURE SCHEDULE
	INDICATES FIXTURE TYPE		CABLE OUTLET, +18" ✖		ALL LIGHT FIXTURES ABOVE ARE EMERGENCY LIGHT IF FILLED CENTER
	INDICATES MECHANICAL FIXTURE TYPE		TELEPHONE OUTLET, FLOOR		FIRE
	INDICATES DETAIL		COMPUTER OUTLET, FLOOR		FIRE DUCT SMOKE DETECTOR
	PANEL, MOUNTING ACCORDING TO PLACEMENT ON PLANS		CABLE OUTLET, FLOOR		FIRE DUCT DAMPENER
	PANEL, CONTROL-LRG, MOUNTING ACCORDING TO PLACEMENT ON PLANS		COMBINATION TELEPHONE & COMPUTER OUTLET, +18" ✖		FIRE MINI STROBE
	PANEL, CONTROL-SML, MOUNTING ACCORDING TO PLACEMENT ON PLANS		TELEVISION OUTLET, +18" ✖		FIRE ALARM CHIME
	VALVE, ALARM CONTACT OR SOLENOID OPERATOR DEPENDING ON APPLICATION		DOOR BELL PUSH BUTTON		FIRE STROBE & HORN
	EYS FITTING, SIZE PER CONDUIT, LOCATE PER N.E.C.		DOOR BELL CHIME		FIRE ALARM PULL BOX
	SMOKE DETECTOR, CEILING OR WALL MOUNTED PER PLANS		DOOR BELL TRANSFORMER		WIRE TYPES
	COMBINATION SMOKE DETECTOR AND CO SENSOR		NURSES CALL LIGHT		HOME RUN IN CABLE OR CONDUIT (PER SPECIS AND CODE), CIRCUIT AND CIRCUIT & CONDUCTOR SIZE AS NOTED, CONDUIT PER NEC OR AS NOTED
	EXHAUST FAN		NURSES CALL SWITCH WITH PULL CORD		EXISTING WIRING TO REMAIN
	CEILING FAN		ELECTRIC DOOR STRIKE RELEASE		EXISTING WIRING TO BE REMOVED
	MOTOR		WIRELESS ACCESS POINT		NEW ABOVE FLOOR WIRING
	POWER SUPPLY		INTERCOM		NEW UNDER FLOOR WIRING
	POWER CENTER		KEY PAD		STUB UP TO OR DOWN FROM NEXT FLOOR LEVEL
	CURRENT LIMITER				STUB DOWN TO OR UP FROM THE NEXT FLOOR LEVEL
	* STANDARD HEIGHT TO MEET STATE ACCESSIBILITY REQUIREMENTS AND PROVISIONS OF THE ADA IS 36" - 48" AFF FOR SWITCHES AND THERMOSTATS, 15" - 48" FOR OUTLETS. HEIGHT SHOWN IN SYMBOL LIST IS PREFERRED HEIGHT TO BE CHANGED ONLY IF PHYSICAL REQUIREMENTS OF THE STRUCTURE OR CASEWORK REQUIRE. CHANGES MUST MEET STANDARDS IF OUTLET OR SWITCH IS FOR GENERAL USAGE. OUTLET TO BE MOUNTED AT HEIGHT SHOWN ON PLAN WHEN SPECIAL PURPOSE.				
SYMBOLS					SCALE: NONE

- GENERAL
- All work is to be performed per the 2016 issue of the California Electrical Code and the 2016 California Energy Code as accepted by the City of OXNARD and all other applicable national, state and local codes and laws pertaining to electrical work.
 - All work in hazardous locations shall comply with CEC Art. 500 through 516 as applicable.
 - Nothing in these notes shall be construed as circumventing any more stringent specification or requirement of the contract documents.
 - Electrical Contractor shall visit the job site prior to bidding work and include in his bid the necessary costs required to complete this project according to the intent of the drawings.
 - Any discrepancies between site conditions and drawings shall be brought to the attention of the project coordinator or Architect prior to bid if possible.
 - Electrical work under this contract shall include all labor, materials and equipment necessary to complete the installation covered under the contract including control conduit and wiring as documented or inferred in the mechanical drawings.
 - All material and equipment furnished and/or installed under this contract shall be new, free from defects, and shall be guaranteed for a period of one year from the date of final acceptance by owner or his representative. Should any problems develop during this warranty period due to faulty workmanship, material defects or equipment defects or failure, the Electrical Contractor shall correct the problem and repair or replace equipment or material without cost to the owners. All work shall be executed in a workmanlike manner and shall be neat in appearance as well as functional when completed.
 - Unless noted otherwise or coordinated with the General Contractor, the Electrical Contractor shall be responsible for all demolition, cutting, and patching relating to electrical work.
 - State handicap requirements are to be met per standards listed in "SYMBOL LIST".
 - Cut sheets shall be provided by Electrical Contractor for all equipment provided within contract scope of work.
- MATERIAL and INSTALLATION
- All electrical materials and equipment are to be Underwriter's laboratory listed or listed by an equivalent nationally recognized testing laboratory accepted by the City of OXNARD. All materials shall be approved for the intended purpose and used for such purpose.
 - All 600-volt insulated wire in conduits shall be copper type THHN/THWN-2 unless noted otherwise.
 - All conductors size AWG #12 and smaller shall be solid, all conductors size #10 and larger shall be stranded.
 - All junction boxes shall be marked (in ink) with the panel number, circuit numbers, and system voltage contain within, ("Magic Markers" are acceptable). i.e. "LA"-1,3,5 277/480V or "RA"-2,4,6 120/208V etc.
 - When conduit must cross traffic areas, the conduit shall cross perpendicular to the normal traffic pattern.
 - All ballasts are to be CEC listed.
 - All outdoor lighting fixtures are to be listed for wet or damp location depending on type of exposure.
 - All devices shall be grounded by means of a separate grounding conductor and either a wire bond from the device strap to the box or a self-grounding screw.
 - Each multiwire branch circuit shall be provided with a means that will simultaneously disconnect all ungrounded conductors at the point where the branch circuit originates. (CEC 210.4(B))
 - The ungrounded and grounded conductors of each multiwire branch circuit shall be grouped by wire ties or similar means in at least one location within the panelboard or other point of origination. (CEC 210.4(D))
 - All new overcurrent devices installed in existing panels / switchboards shall match or exceed the make, model and interrupting capacity of the existing overcurrent devices.
- COMPLETION
- Upon completion of work, Electrical Contractor shall insure the installation to be free from short circuits, phase grounds and neutral grounds.
 - All feeders shall have insulation tested prior to energization.
 - All panels, transformers, distribution boards, switches, etc. shall be labeled per Single Line Diagram using plastic plates with 3/8" high white letters on black backgrounds. Label shall include item name and voltage present. Transformer label shall include both primary and secondary voltages. Label shall be permanently attached using at least (2) round head stainless steel machine screws with minimum thread size 8-32.
 - Electrical Contractor shall furnish as-built drawings to Architect upon completion of work.
 - Electrical Contractor shall be available for night inspection and approval of completed work.
 - Prior to final energization, neutral feed shall be disconnected from the panel and bus with all load neutrals connected shall be tested in the presence of the electrical engineer for faults to ground.
 - All circuit breaker, neutral and ground lug connections shall be torqued per manufacturer's specifications in the presence of the electrical inspector.
 - The issuance of a permit shall not prevent the Building Official from requiring the correction of errors on these plans or from preventing any violation of the codes adopted by the city, relevant laws, ordinances, rules and/or regulations.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120336 INC.
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 02/11/2020

LITTLE

DIVERSIFIED ARCHITECTURAL CONSULTING

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OXNARD UNION
HIGH SCHOOL
DISTRICT

ADOLFO CAMARILLO HIGH SCHOOL
STADIUM LIGHTING

4660 MISSION OAKS BLVD,
CAMARILLO, CA. 93012

LICENSED ARCHITECT
STATE OF CALIFORNIA
NO. E-21480
EXP. 11-30-22

REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
NO. E-21480
EXP. 11-30-22

Engineous
Group, Inc.
751 N. Fair Oaks Ave., Suite 201
Pasadena, CA 91103
Phone: (626) 696-3850

DSA SUBMITTAL

02/11/2020

NO.	REASON	DATE

PRINCIPAL IN CHARGE
AO

PROJECT MANAGER
AO/DE

DESIGN TEAM
JH

ADOLFO CAMARILLO HIGH
SCHOOL STADIUM
LIGHTING

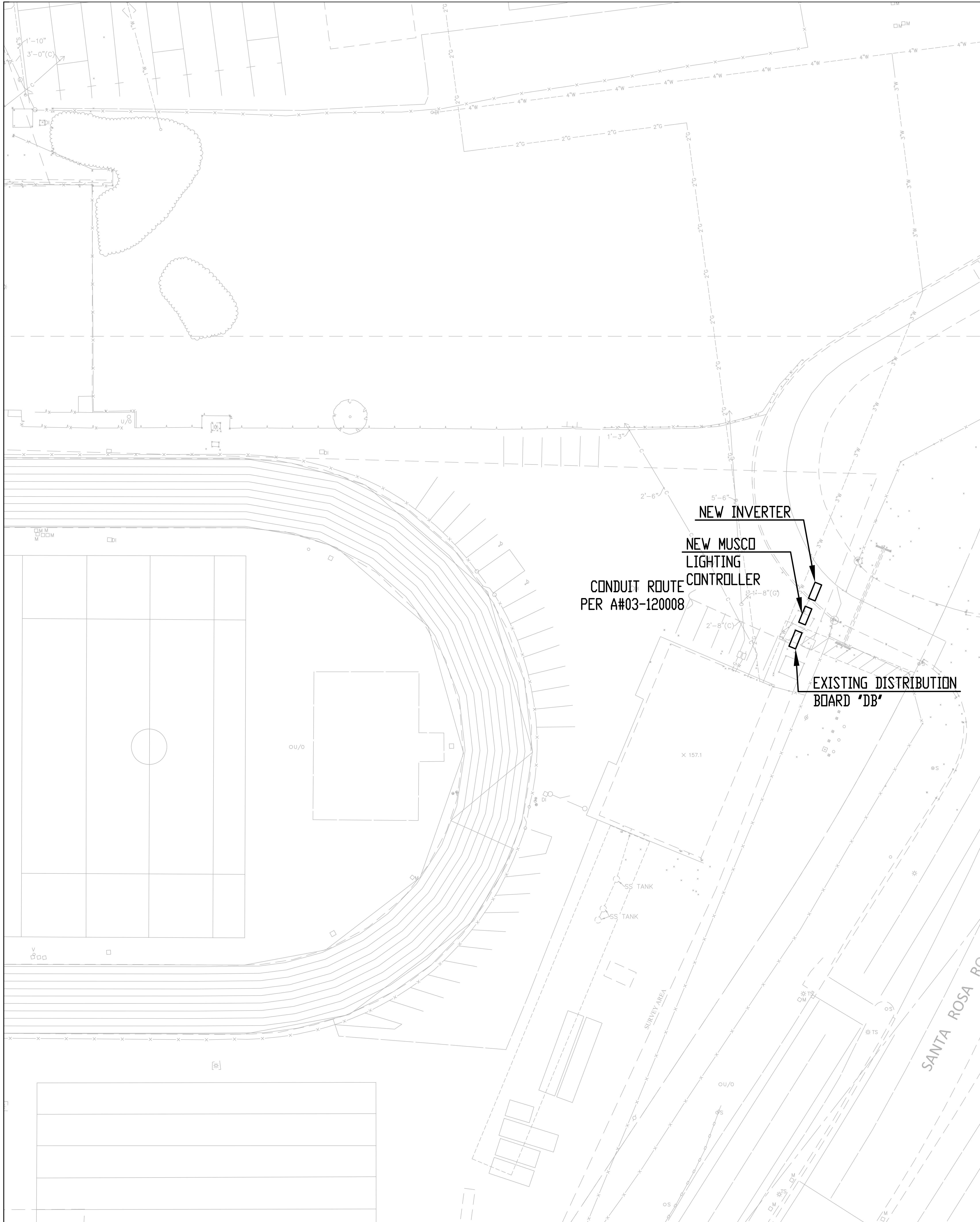
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ELECTRICAL COVER
SHEET

E-100

NOTES

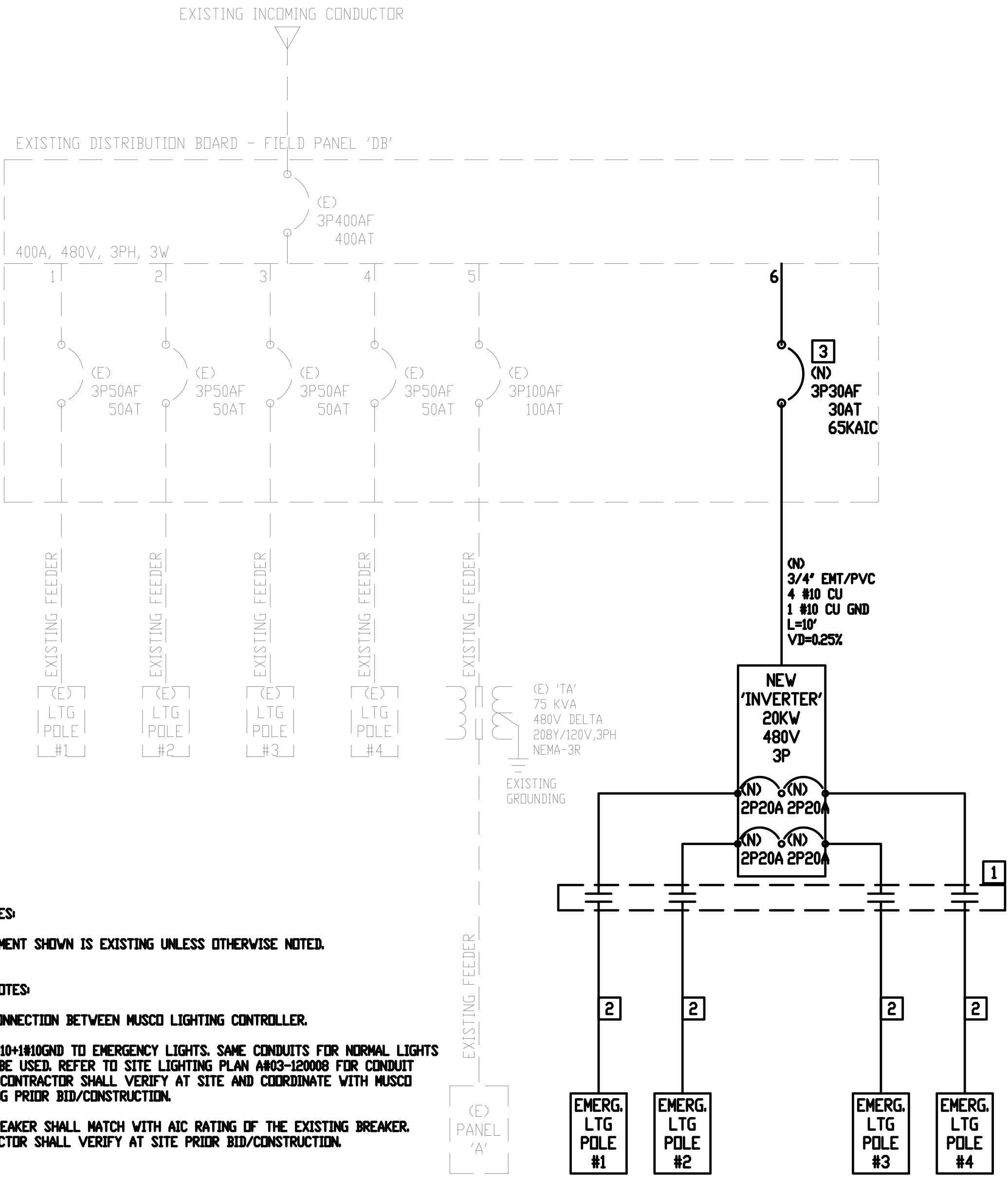
SCALE: NONE



ENLARGED SITE PLAN

SCALE: 1" = 20'-0"

1



- GENERAL NOTES:
- D) ALL EQUIPMENT SHOWN IS EXISTING UNLESS OTHERWISE NOTED.
- REFERENCE NOTES:
- 1) INTERCONNECTION BETWEEN MUSCO LIGHTING CONTROLLER.
- 2) NEW 200A/110V/120V TO EMERGENCY LIGHTS. SAME CONDUITS FOR NORMAL LIGHTS COULD BE USED. REFER TO SITE LIGHTING PLAN A#03-120008 FOR CONDUIT ROUTE. CONTRACTOR SHALL VERIFY AT SITE AND COORDINATE WITH MUSCO LIGHTING PRIOR BID/CONSTRUCTION.
- 3) NEW BREAKER SHALL MATCH WITH AIC RATING OF THE EXISTING BREAKER. CONTRACTOR SHALL VERIFY AT SITE PRIOR BID/CONSTRUCTION.

EXISTING PARTIAL SINGLE LINE DIAGRAM

SCALE: NONE

2

STADIUM/BLEACHERS EMERGENCY LIGHTING CALCULATION

FIXTURE TYPE	POWER(W)	QUANTITY	TOTAL POWER
TLC-LED-400	400W	6	2.4KW
TOTAL CONNECTED LOAD X 1.25%			3KW
SELECTED NEW INVERTER RATING @ 277/480V, 3PH, 4W			20KW

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DISTRICT

ADOLFO CAMARILLO HIGH SCHOOL
STADIUM LIGHTING

4660 MISSION OAKS BLVD,
CAMARILLO, CA. 93012

LICENSED ARCHITECT
STATE OF CALIFORNIA
NO. E-21482
DATE 11-30-21

REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
NO. E-21482
DATE 11-30-21

eg
Engineous
Group, Inc.

751 N. Fair Oaks Ave., Suite 201
Pasadena, CA 91103
Phone: (626) 696-3850

DSA SUBMITTAL

02/11/2020

NO.	REASON	DATE

PRINCIPAL IN CHARGE
AO
PROJECT MANAGER
AO/DE
DESIGN TEAM
JH

ADOLFO CAMARILLO HIGH
SCHOOL STADIUM
LIGHTING

6121235301

EMERGENCY SYSTEM
DIAGRAM

E-200

INVERTER CALCULATION

SCALE: NONE

3