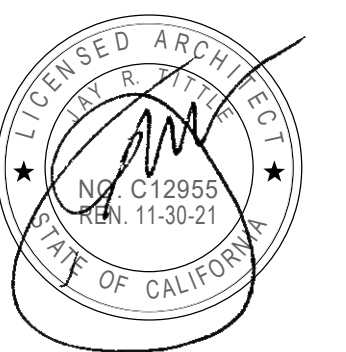


# HUENEME HIGH SCHOOL STADIUM LIGHTING

OXNARD UNION HIGH SCHOOL DISTRICT

DSA SUBMITTAL

05/27/2020



COVER SHEET  
G0.1



# HUENEME HIGH SCHOOL STADIUM LIGHTING

## OXNARD UNION HIGH SCHOOL DISTRICT

AGENCY REVIEW

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP. 03-120337 INC.  
 REVIEWED FOR  
 SS  FLS  ACS   
 DATE: 05/28/2020

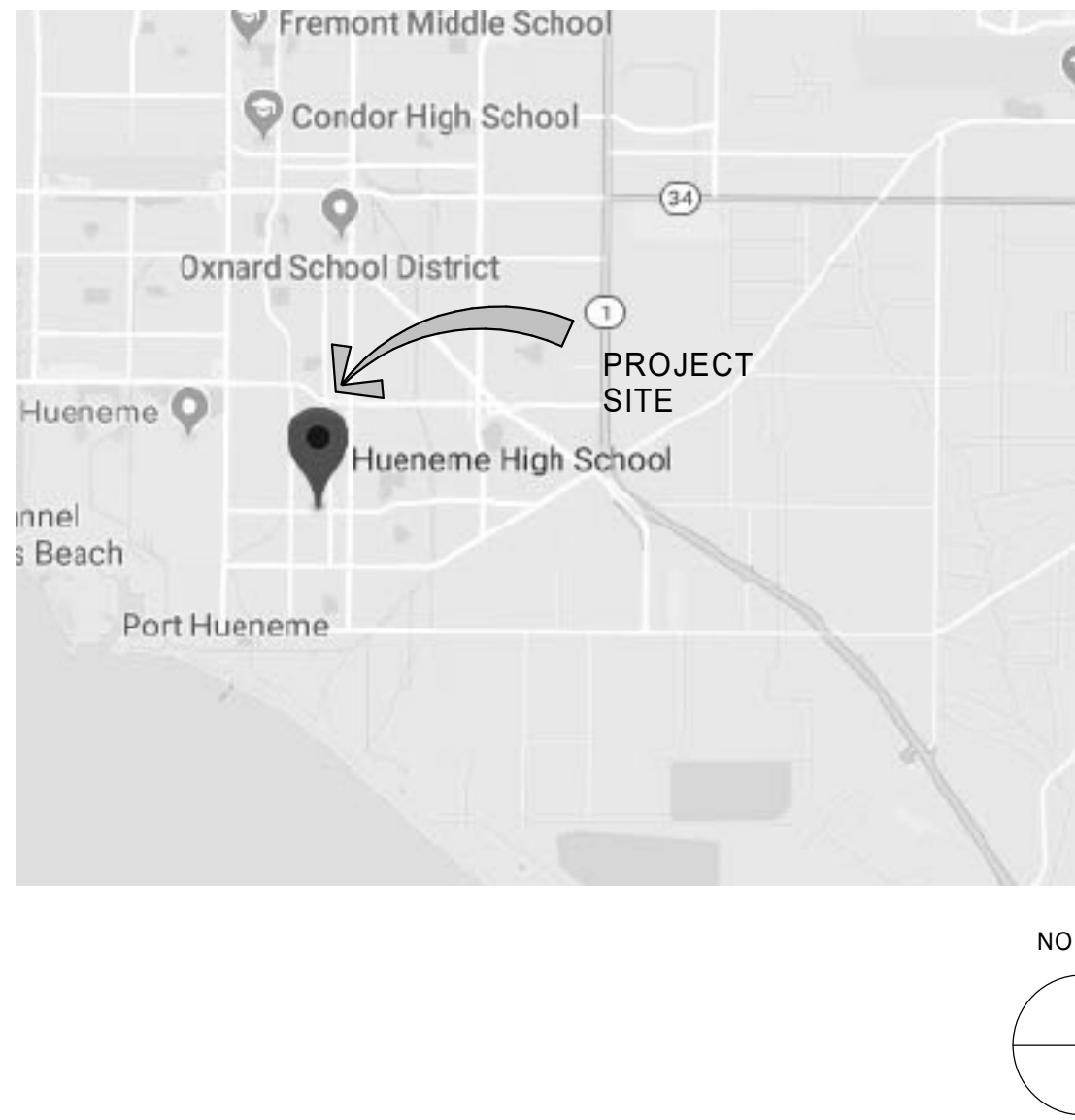
**LITTLE**  
DIVERSIFIED ARCHITECTURAL CONSULTING

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

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APPLICABLE STATE CODES	PROJECT DIRECTORY	VICINITY MAP <small>NOT TO SCALE</small>	SHEET INDEX
<p>1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH:</p> <p>2016 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.</p> <p>2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2015 INTERNATIONAL BUILDING CODE VOLUMES 1 &amp; 2 AND 2013 CALIFORNIA AMENDMENTS)</p> <p>2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2014 NATIONAL ELECTRICAL CODE AND 2013 CALIFORNIA AMENDMENTS)</p> <p>2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (2015 UNIFORM MECHANICAL CODE AND 2013 CALIFORNIA AMENDMENTS)</p> <p>2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2015 UNIFORM PLUMBING CODE AND 2013 CALIFORNIA AMENDMENTS)</p> <p>2016 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.</p> <p>2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2015 INTERNATIONAL FIRE CODE AND 2013 CALIFORNIA AMENDMENTS)</p> <p>2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.</p> <p>2016 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.</p> <p>TITLE 19 C.C.R. - PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS</p> <p>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.</p> <p>3. THE PROVISIONS OF 2016 CFC CHAPTER 11 AND 2016 CBC CHAPTER 33 SHALL BE ENFORCED ON THIS PROJECT.</p> <p>4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.</p> <p>5. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.</p>	<p><b>PROJECT</b></p> <p>HUENEME HIGH SCHOOL TRACK &amp; FIELD IMPROVEMENTS - INC 2 500 W. BARD RD. OXNARD, CA 93033</p> <p><b>OWNER</b></p> <p>OXNARD UNION HIGH SCHOOL DISTRICT 309 S. "K" STREET OXNARD, CA 93030 (805) 385-2500</p> <p><b>ARCHITECT</b></p> <p>LITTLE 1300 DOVE STREET, SUITE 100 NEWPORT BEACH, CA 92660 (949) 698-1400 (949) 698-1433 (FAX)</p> <p><b>ELECTRICAL</b></p> <p>ENGINEOUS GROUP INC. 751 N. FAIR OAKS, #201 PASADENA, CA 91103 (626) 714-7506</p>		<p><b>GENERAL</b></p> <p>G0.1 COVER SHEET G1.1 TITLE SHEET / SHEET INDEX</p> <p><b>ARCHITECTURAL</b></p> <p>D1.0 DEMOLITION SITE PLAN A1.0 OVERALL SITE PLAN A2.0 EGRESS PHOTOMETRIC SCANS</p> <p><b>ELECTRICAL</b></p> <p>E-100 OVERALL ELECTRICAL SITE PLAN E-200 ENLARGED ELECTRICAL SITE PLAN</p> <p><b>MUSCO STADIUM LIGHTING</b></p> <p>MT1 NOTES, FOUNDATION DETAIL MS1 POLE DETAIL MS2 POLE DETAIL MS3 POLE DETAIL MD1 ATTACHMENT DETAILS MD2 ATTACHMENT DETAILS MD3 ATTACHMENT DETAILS GRAND TOTAL: 14</p>

**OXNARD UNION HIGH SCHOOL DISTRICT**

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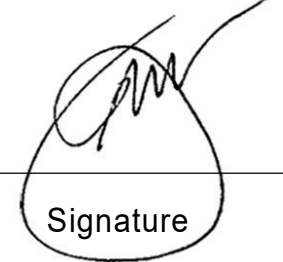
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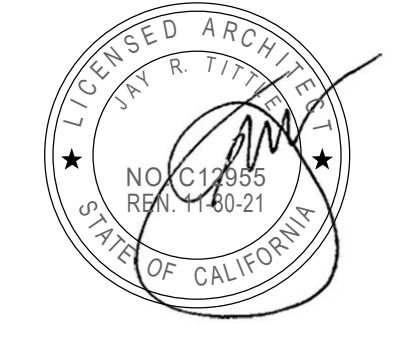
**HUENEME HIGH SCHOOL STADIUM LIGHTING**

**500 W. BARD RD., OXNARD, CA, 93033**

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**CONSULTANT**

GENERAL NOTES	SCOPE OF WORK	STATEMENT OF GENERAL CONFORMANCE	
<p>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 UPON OR VISITING THE SITE. THE CONTRACTOR SHALL BECOME FULLY INFORMED OF ALL APPLICABLE STANDARDS AND REGULATIONS AND INFORM ALL PERSONS AND REPRESENTATIVES RESPONSIBLE FOR WORK UNDER THIS CONTRACT.</p> <p>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 CONTRACTOR'S RISK, AND CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CORRECTIVE ACTION.</p> <p>3. REVIEW THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF SYSTEMS SHOWN ON CONSULTING ENGINEERS DOCUMENTS. DISCREPANCIES BETWEEN THE ARCHITECTURAL AND CONSULTING ENGINEER'S 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.</p> <p>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 CONTRACTOR PROCEEDS WITHOUT DIRECTION FROM ARCHITECT, IT SHALL BE AT CONTRACTOR'S RISK, AND CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CORRECTIVE ACTION.</p> <p>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.</p> <p>6. VISIT JOB SITE PRIOR TO BEGINNING WORK AND VERIFY ALL DIMENSIONS AND CONDITIONS.</p> <p>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.</p> <p>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.</p> <p>9. ALL HEIGHTS ARE DIMENSIONED FROM TOP OF SLAB UNLESS NOTED "AFF" (ABOVE FINISH FLOOR).</p> <p>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.</p> <p>11. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE ELEVATION OR DETAIL NOTED VERIFY DIMENSIONS AND ORIENTATION ON PLANS.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>16. VERIFY POINTS OF CONNECTION, INCLUDING SIZES AND LOCATIONS, AND ALL OTHER REQUIRED OPERATING CRITERIA WITH EQUIPMENT MANUFACTURER.</p> <p>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.</p> <p>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.</p>	<p>WORK UNDER THIS CONTRACT INCLUDES THE FOLLOWING ITEMS SHOWN ON THE DRAWINGS AND AS SPECIFIED IN THE PROJECT MANUAL, INCLUDING:</p> <p>1. CONSTRUCTION OF (6) NEW MUSCO STADIUM LIGHT POLES.</p>	<p style="text-align: center;"><b>FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS</b></p> <p style="text-align: center;">The drawings or sheets listed on the sheet index under: "MUSCO STADIUM LIGHTING"</p> <p>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:</p> <p>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</p> <p>2) coordination with my plans and is acceptable for incorporation into the construction of this project.</p> <p>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))</p> <p>I certify that all drawings listed on the sheet index under: "MUSCO STADIUM LIGHTING"</p> <p>are in general conformance with the project design, and have been coordinated with the project plans.</p>	<p style="text-align: center;"><b>PROJECT INSPECTOR</b></p> <p>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.</p> <p>DUTIES AND REQUIRED (OR CLASSIFICATION PER SECTION 4-342, TITLE 24, PART 1 CCR AND IR A-7: CLASS 1 INSPECTOR CERTIFIED BY DSA.</p> <p>A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.</p> <p style="text-align: center;"><b>DSA REQUIREMENTS</b></p> <p>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. 4-336, PART 1, TITLE 24, CCR.</p> <p>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]</p> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">               Architect or Engineer designated to be in responsible charge         </div> <div style="text-align: center;">             12/06/19              Date         </div> </div> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">             JAY R. TITTLE, AIA              Print Name         </div> <div style="text-align: center;">             11-30-21              Expiration Date         </div> </div> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">             C 12955              License Number         </div> <div style="text-align: center;">             11-30-21              Expiration Date         </div> </div>



**ISSUE FOR**

**DSA SUBMITTAL**

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**ISSUE DATE**

05/27/2020

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NO.	REASON	DATE

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**PROJECT TEAM**

PRINCIPAL IN CHARGE  
JT  
PROJECT MANAGER  
LEB  
DESIGN TEAM  
FM / RG / JCL

---

**PROJECT NAME**

HUENEME HIGH SCHOOL STADIUM LIGHTING

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**PROJECT NO.**

6121235302

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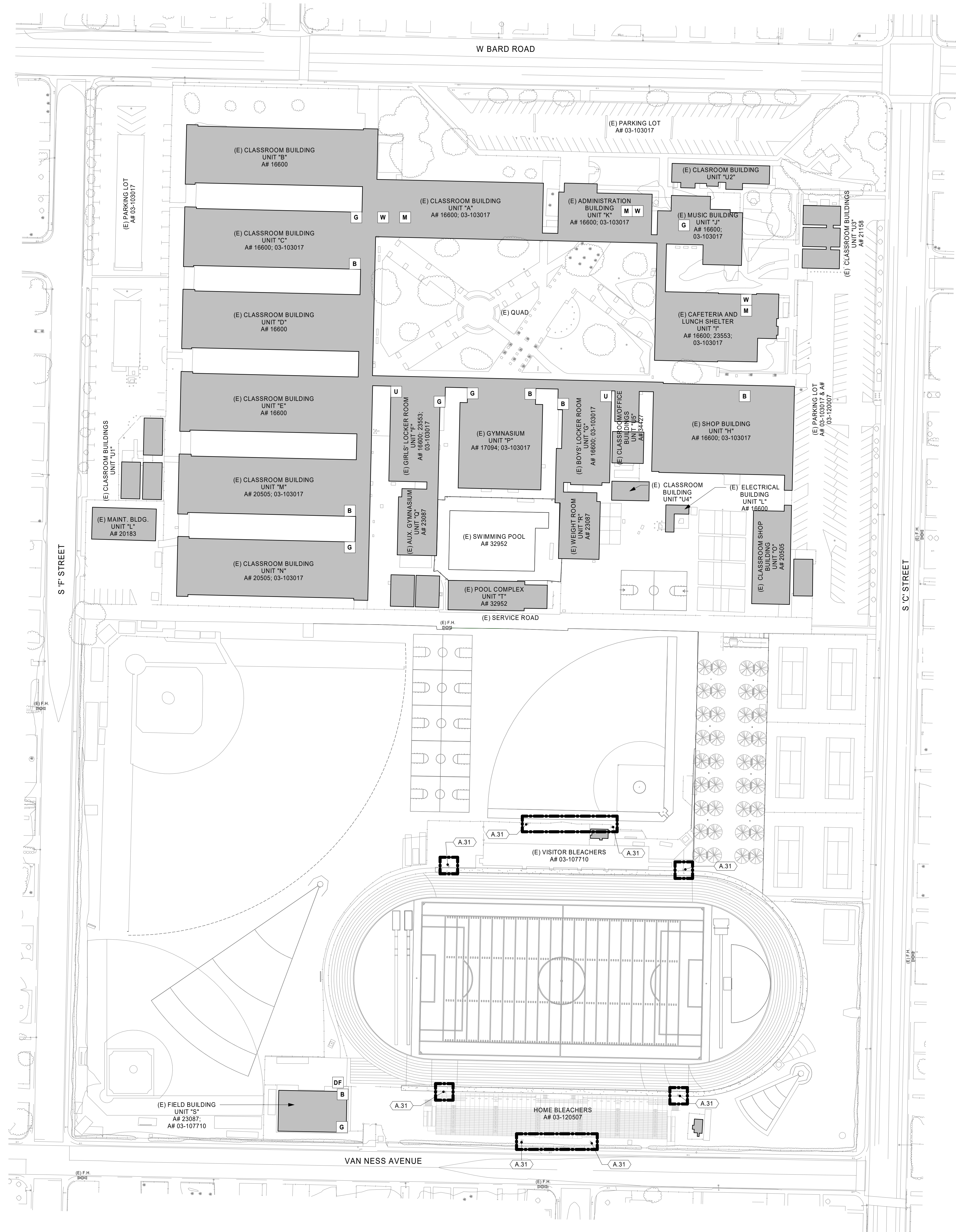
**SHEET TITLE**

TITLE SHEET / SHEET INDEX

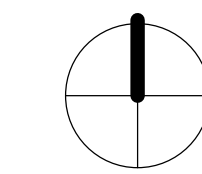
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**SHEET NUMBER**

G1.1



DEMOLITION SITE PLAN 1  
1" = 60'-0"



AGENCY REVIEW

IDENTIFICATION STAMP  
 APP: 03-120337 INC:  
 REVIEWED FOR  
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 DATE: 05/28/2020

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 DIVERSIFIED ARCHITECTURAL CONSULTING

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CLIENT NAME  
**OXNARD UNION HIGH SCHOOL DISTRICT**

PROJECT NAME  
**HUENEME HIGH SCHOOL STADIUM LIGHTING**  
 500 W. BARD RD,  
 OXNARD, CA. 93033

CONSULTANT

KEYNOTES

A.31 REMOVE EXISTING STADIUM LIGHT POLE, LIGHT BASE, FOOTING, FIXTURES AND WIRING. THE CONDUITS ARE EXISTING TO REMAIN.

DEMOLITION PLAN LEGEND

EXTENT OF SCOPE OF WORK

EXISTING ITEM TO REMAIN

EXISTING ITEM TO BE REMOVED/DEMOLISHED

DEMOLITION NOTES

- THE CONTRACTOR SHALL DELIVER ALL REMOVED LIGHT FIXTURES AND SPEAKERS TO DISTRICT
- THE CONTRACTOR SHALL REMOVE SUCH EXISTING WORK AS CALLED FOR IN CONTRACT OR AS REQUIRED TO CLEAR THE AREAS FOR NEW CONSTRUCTION.
- ALL DEMOLITION WORK SHALL BE PERFORMED WITH "DUE CARE AND DILIGENCE" AS TO PREVENT THE ARBITRARY DESTRUCTION OR INTERRUPTION OF CONCEALED UTILITIES WHICH ARE INTENDED TO REMAIN IN USE AND THE ROUTING OF WHICH COULD NOT BE PREDETERMINED UNTIL DEMOLITION WAS STARTED. ALL SUCH DISCOVERIES OF UTILITIES DURING THE DEMOLITION PROCESS WHICH ARE IN A LOCATION DIFFERENT FROM THAT INDICATED, OR ARE UNIDENTIFIED, SHALL BE REPORTED TO THE ARCHITECT PRIOR TO REMOVAL FOR FINAL DISPOSITION.
- WORK DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE AND PATCHED OR REPAIRED SHOULD DAMAGE OCCUR.
- WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, EXTREME CARE SHALL BE TAKEN TO PREVENT DAMAGE DURING THE REMOVAL WHERE DAMAGE OCCURS, THE EQUIPMENT SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
- ALL DEBRIS BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED DAILY FROM THE PREMISES AT THE CONTRACTOR'S EXPENSE AND BE DISPOSED OF ACCORDING TO LOCAL CODES AND GOVERNING AUTHORITIES. VERIFY SALVAGE MATERIALS WITH THE OWNER'S REPRESENTATIVE.
- WHERE EXISTING ELECTRICAL WORK INTERFERES WITH NEW WORK AND WHERE SUCH INSTALLATIONS ARE TO REMAIN IN USE, THE INSTALLATIONS SHALL BE DISCONTINUED AND RELOCATED AND/OR RECONNECTED TO COORDINATE WITH NEW ELECTRICAL WORK.
- CONTRACTOR SHALL CONSULT OTHER TRADES PRIOR TO COMMENCING DEMOLITION WORK, TO AVOID CONFLICT.
- DEMOLITION DRAWINGS ARE DIAGRAMMATIC AND SHOW INTENT OF WORK TO BE DONE. CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, LABOR, REQUIRED AND COST FOR REMOVAL OF ALL SYSTEMS CALLED FOR IN CONTRACT.
- ALL EXISTING CONSTRUCTION SHALL REMAIN UNLESS NOTED OTHERWISE.
- CONTRACTOR TO PATCH AND REPAIR ALL AREAS AFFECTED BY THE DEMOLITION.

ISSUE FOR  
**DSA SUBMITTAL**

ISSUE DATE  
 05/27/2020

NO.	REASON	DATE

PROJECT TEAM

PRINCIPAL IN CHARGE  
 JT

PROJECT MANAGER  
 FM

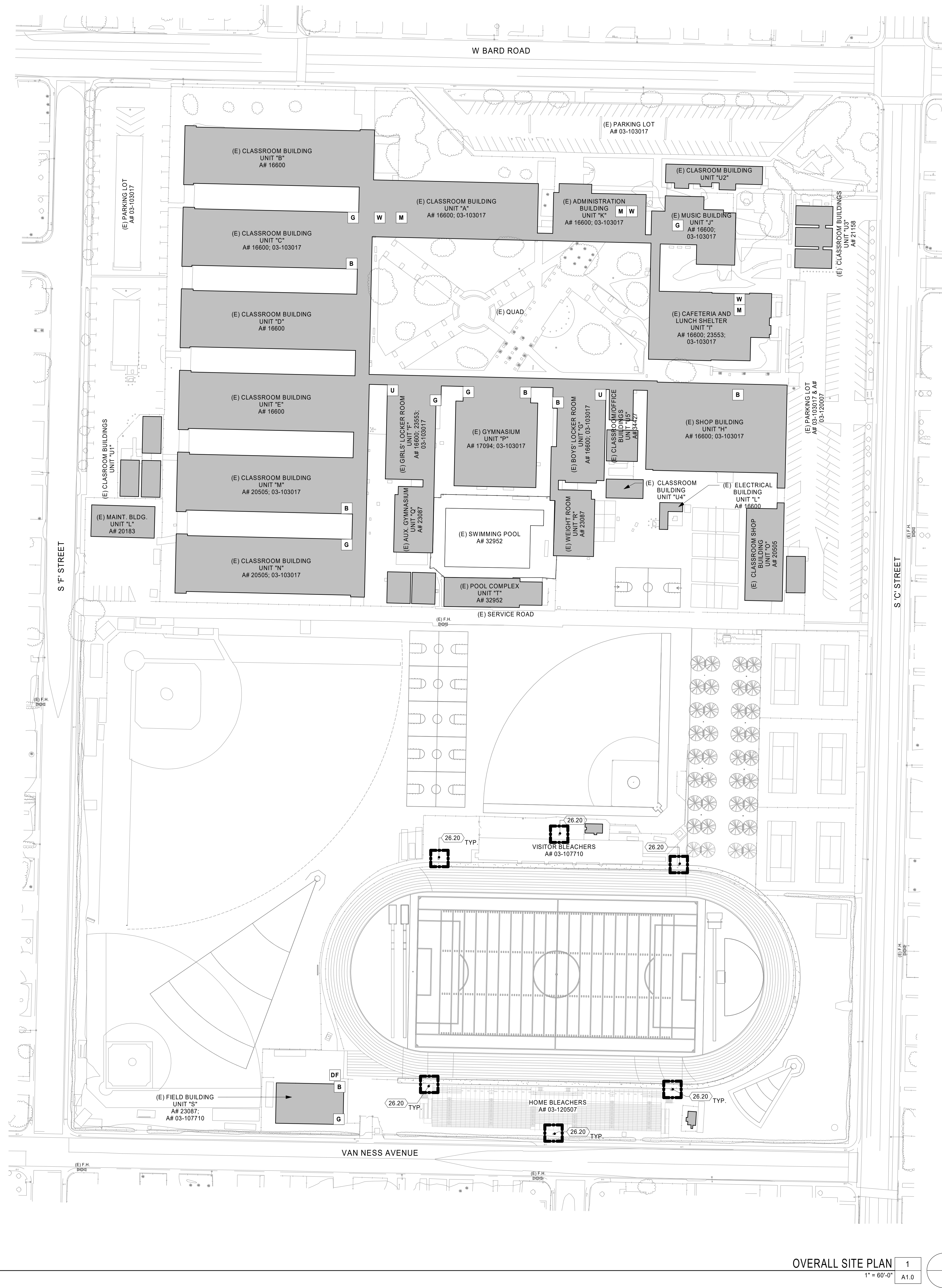
DESIGN TEAM  
 FM

PROJECT NAME  
**HUENEME HIGH SCHOOL STADIUM LIGHTING**

PROJECT NO.  
**6121235302**

SHEET TITLE  
**DEMOLITION SITE PLAN**

SHEET NUMBER  
**D1.0**



OVERALL SITE PLAN 1  
1" = 60'-0" A1.0

KEYNOTES  
26.20 NEW STADIUM LIGHT POLE AND FIXTURES PER MUSCO DRAWINGS, TYP. OF 6

ACCESSIBILITY NOTES  
1. POT PER A#03-120007

- LEGEND
- (E) BUILDING TO REMAIN
  - EXTENT OF SCOPE OF WORK
  - U UNISEX RESTROOM
  - M MEN'S RESTROOM
  - W WOMEN'S RESTROOM
  - B BOYS' RESTROOM
  - G GIRLS' RESTROOM
  - DF DRINKING FOUNTAIN

DSA CERTIFICATIONS

DSA A#	STATUS
03-1200007-1	OPEN, APPROVED ON 10/01/2019
03-1200007-2	OPEN, APPROVED ON 01/09/2020

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP. 03-120337 INC.  
REVIEWED FOR  
DATE: 05/28/2020

**LITTLE**  
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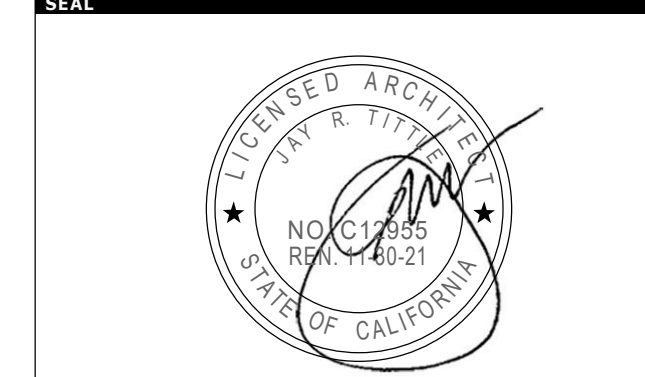
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PROJECT NAME  
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500 W. BARD RD.,  
OXNARD, CA. 93033

CONSULTANT



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ISSUE DATE  
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REVISIONS

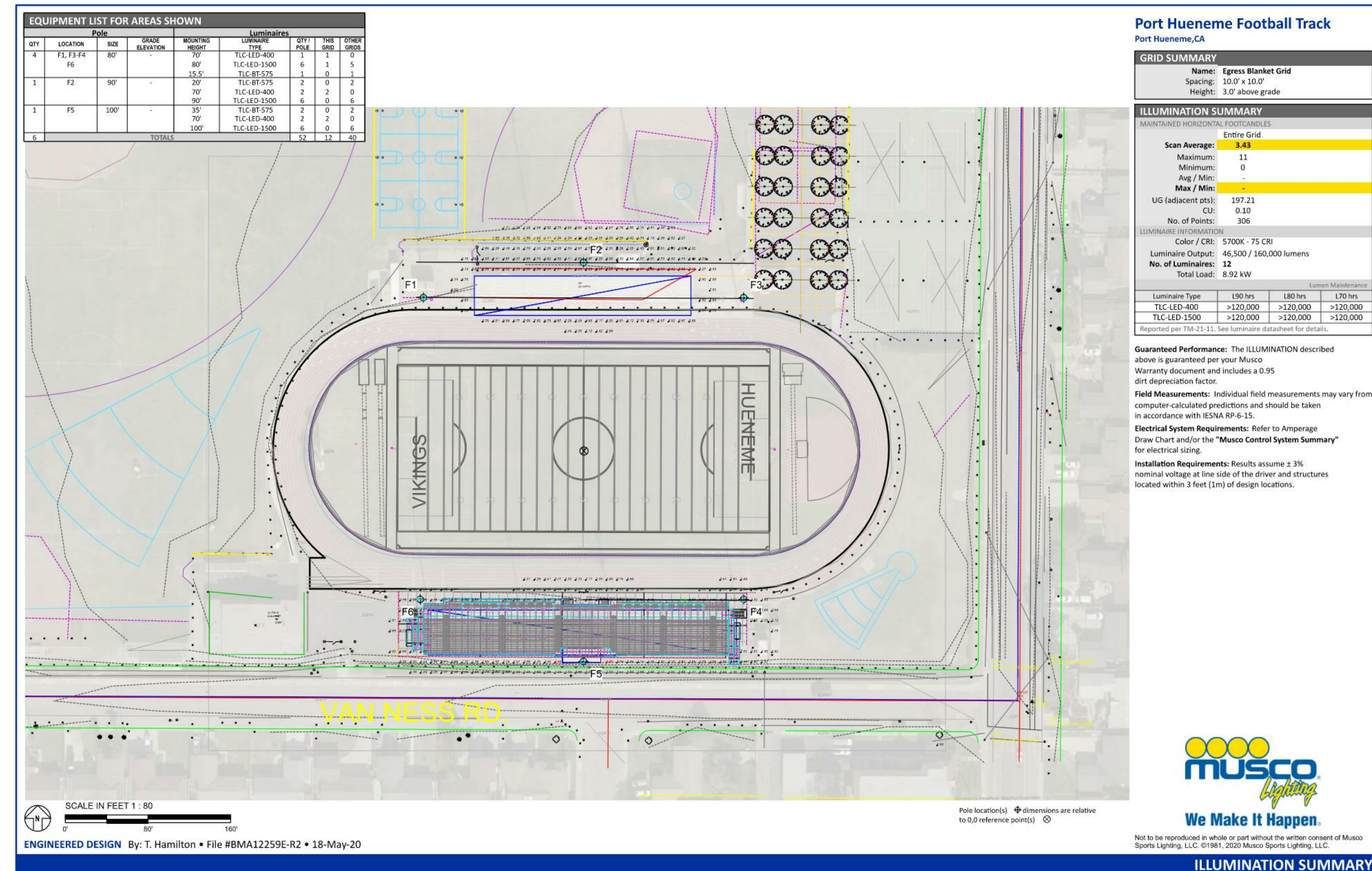
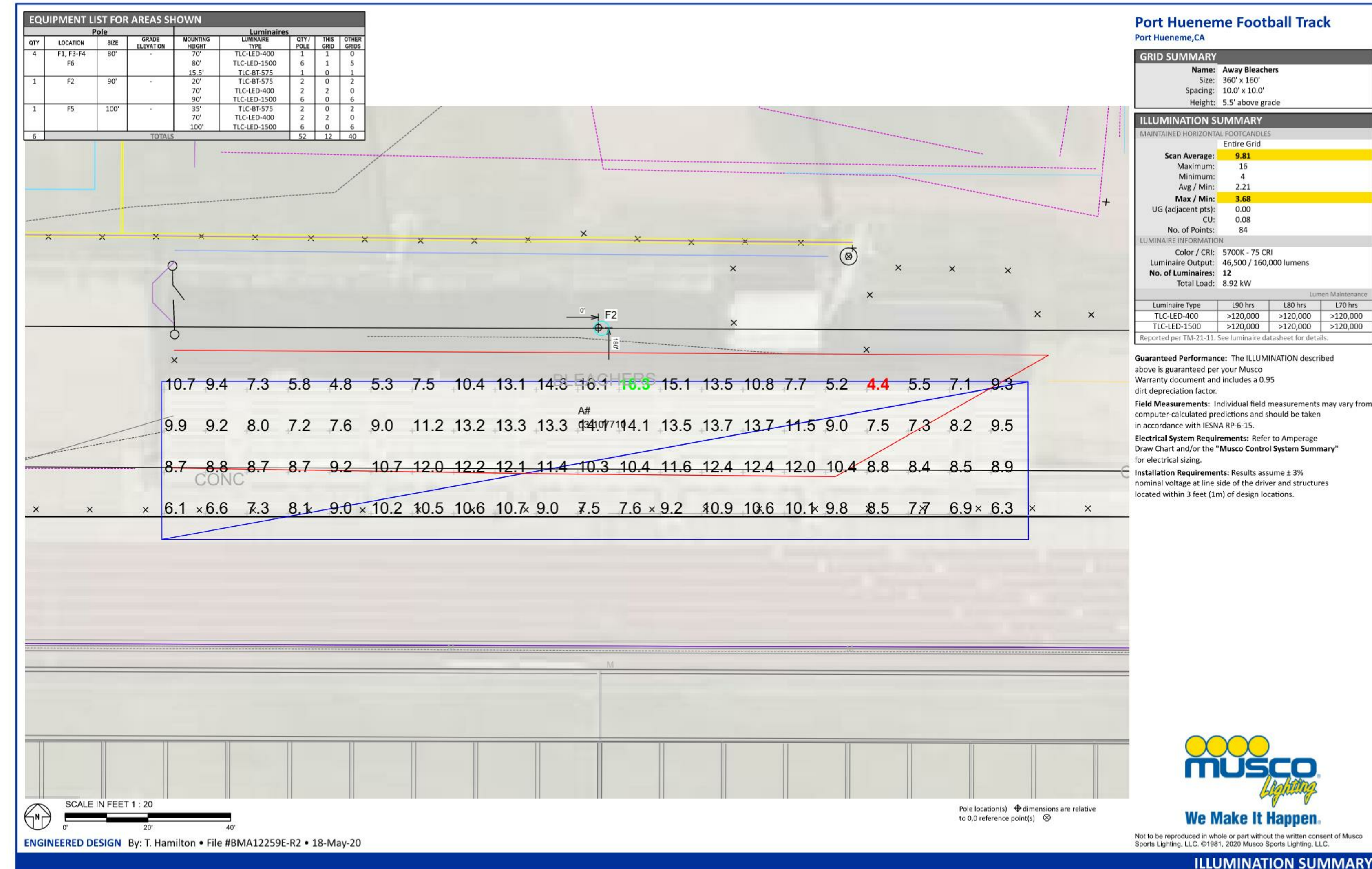
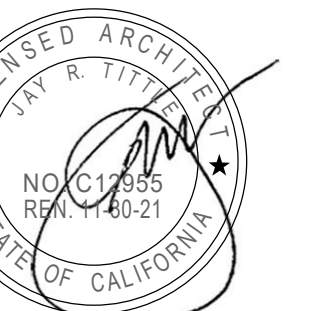
NO.	REASON	DATE

PROJECT TEAM  
PRINCIPAL IN CHARGE  
JT  
PROJECT MANAGER  
LEB  
DESIGN TEAM  
FMR/GTA

PROJECT NAME  
HUENEME HIGH SCHOOL STADIUM LIGHTING

PROJECT NO.  
6121235302  
SHEET TITLE  
OVERALL SITE PLAN

SHEET NUMBER  
A1.0







DSA SUBMITTAL

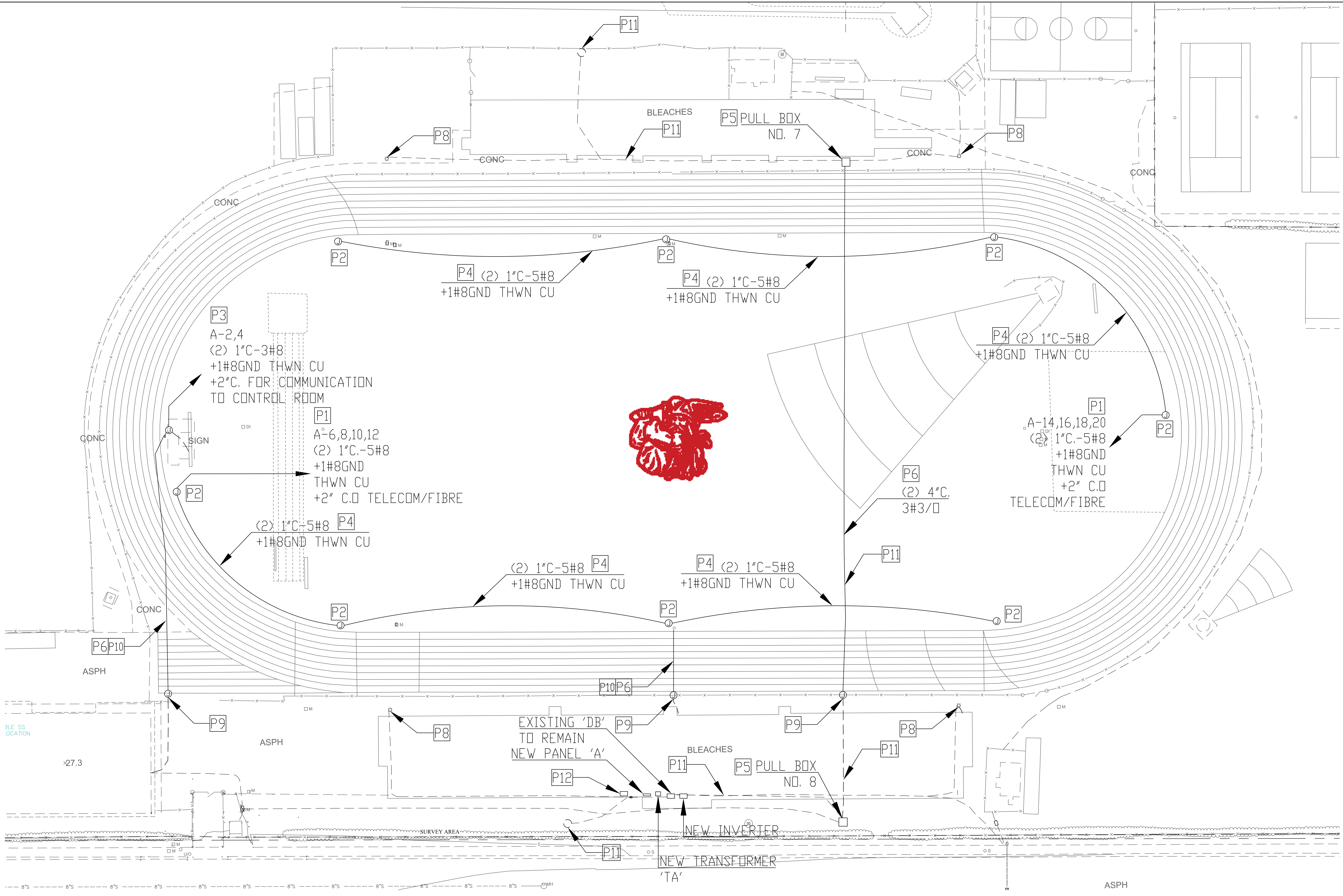
05/27/20

NO.	REASON	DATE

PRINCIPAL IN CHARGE  
**B.E.S.**  
 PROJECT MANAGER  
**A.O.**  
 DESIGN TEAM  
**D.L.E.**

ENLARGED ELECTRICAL  
 SITE PLAN

E-200



**ENLARGED ELECTRICAL SITE PLAN - TRACK & FIELD** SCALE: 1"=20'-0" 1

- POWER GENERAL NOTES**
- ALL CONDUITS SHALL BE RUN NEATLY AND PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS. CONDUIT ROUTING SHOWN ON PLAN IS DIAGNOSTIC AND IS INTENDED TO SHOW POSSIBLE FUNCTIONAL ROUTE OF CONDUITS AND CONDUCTORS. IN SOME CASES THE DRAWING SHOWS ROUTING WHICH MAY NOT BE PARALLEL OR PERPENDICULAR TO BUILDING STRUCTURAL MEMBERS. THIS IS FOR CLARITY OF CIRCUITING AND NOT INTENDED TO APPROVE ANY DEVIATION FROM NEAT WORKMANSHIP.
  - COMBINING OF MEMBERS AND OTHER CIRCUITS OTHER THAN WHAT IS SHOWN ON PLAN WILL NOT BE APPROVED.
  - CONDUITS AND ROUTING FOUND OBJECTIONABLE BY THE ARCHITECT WILL BE REWORKED AT ELECTRICAL CONTRACTORS EXPENSE.
  - ELECTRICAL CONTRACTOR SHALL PROVIDE APPROVED SEISMIC STRUCTURAL SUPPORTS AS CURRENTLY ADOPTED BY UBC OR CBC WHERE APPLICABLE FOR ALL FIXTURES, BOXES AND OTHER ELECTRICAL EQUIPMENT.
  - ELECTRICAL CONTRACTOR SHALL VERIFY LOCATIONS AND MOUNTING HEIGHTS OF ALL OUTLETS AND EQUIPMENT WITH ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS.
- POWER PLAN KEYED NOTES (NOT ALL MAY APPLY)**
- P1** (2) 1" C. 5#8+1#8GND THWN CU +2" CONDUIT FOR TELECOM/FIBER USE TO NEAREST POWER PANEL. CONDUITS SHALL BE BURIED 24" BELOW GRADE ENCASED IN CONCRETE. CONTRACTOR SHALL VERIFY EXISTING UNDERGROUND CONDUITS TO BE USED OR INTERCEPTED TO CLOSEST POWER PANEL, IF POSSIBLE, PRIOR BID/CONSTRUCTION.
  - P2** NEW JUNCTION BOXES (24"x36") FOR POWER/TV/DATA/PA TO BE INSTALLED BELOW GRADE OUTDOOR RATED WITH RUBBERIZED TRACK SURFACE MATCHING EXISTING TYPE AND COLOR OF THE TRACK. CONTRACTOR SHALL VERIFY DISTRICT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  - P3** (2) 1" C. 3#8+1#8GND THWN CU +2" CONDUIT FOR SCOREBOARD COMMUNICATION USE. TO NEAREST POWER PANEL. CONDUITS SHALL BE BURIED 24" BELOW GRADE ENCASED IN CONCRETE.
  - P4** (2) 1" C. 5#8+1#8GND THWN CU +2" FIBER BETWEEN JUNCTION BOXES. CONDUITS SHALL BE BURIED 24" BELOW GRADE. CONTRACTOR SHALL VERIFY EXISTING UNDERGROUND CONDUITS TO BE USED OR INTERCEPTED, IF POSSIBLE, PRIOR BID/CONSTRUCTION.
  - P5** NEW PULL BOXES (24"x36") SHALL BE INSTALLED TO REPLACE PULL BOXES #7 & #8. PULL BOXES SHALL BE BURIED 24" BELOW GRADE ENCASED IN CONCRETE.
  - P6** NEW CONDUITS/CONDUITS TO BE BURIED 24" BELOW GRADE ENCASED IN CONCRETE. SIZING AND QUANTITIES OF NEW CONDUITS AND CONDUCTORS SHALL BE VERIFIED BASED UPON EXISTING.
  - P7** NOT USED.
  - P8** AT EXISTING LIGHT POLES, REMOVE ALL STADIUM LIGHT FIXTURES AND SPEAKERS, CAP ALL THE WIRES AND CONNECTIONS. BELIEVER REMOVED FIXTURES AND SPEAKERS TO DISTRICT.
  - P9** INTERCEPT NEW CONDUITS AND CONDUCTORS WITH EXISTING CONDUITS AND CONDUITS.
  - P10** CONTRACTOR SHALL VERIFY EXACT LOCATION, SIZING, AND QUANTITIES OF PREEXISTING CONDUITS/CONDUITS TO PROCEED INSTALLATION OF NEW CONDUITS/CONDUCTORS.
  - P11** PROVIDE 1-1/2" CONDUIT FOR AV SYSTEM POWER AND LOW VOLTAGE WIRES. FUTURE MAIN AV EQUIPMENT IS LOCATED IN THE PRESS ROOM AND FUTURE SPEAKERS ON LIGHTING POLE.
  - P12** FUTURE AV EQUIPMENT AND ISOLATION TRANSFORMER/UPS LOCATED IN THE PRESS ROOM.

**POWER PLAN NOTES** SCALE: NONE

**GENERAL NOTES:**

**SCOPE OF WORK**

F1, F2, F3, F4, F5, F6 Poles:  
New construction of Musco light pole and foundation 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 = I
  - See Pole Foundation Schedule for maximum pole wind forces.

- Seismic Design Data:
  - Ie = 1.0
  - Risk Category = II (Self Supporting Poles)
  - Ss = 2.251
  - Si = 0.802
  - Site Class = E
  - Ses = 1.357
  - Sml = 1.284
  - Seismic Design Category = E
  - Basic Seismic-Force-Resisting System = Non-Building Structure, not similar to buildings
  - Cs = 0.428 (STRENGTH LEVEL)
  - R = 1.5
  - Q = 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 Registered Design Professional (RDP) in Responsible Charge.

Contractor must check all dimensions, clearances and job conditions before starting work. The RDP in Responsible Charge 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 RDP in Responsible Charge 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 by RDP in Responsible Charge 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, the RDP in Responsible Charge, and DSA.

All changes to the approved plans after a contract for construction has been awarded, affecting structural, access or life-safety portions of the project, shall be made by means of construction change documents (CCD) approved by DSA, as required by Section 4-338, Part 1, Title 24, CCR. All CCD shall be prepared and signed by the RDP 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 School District (Owner) and approved by DSA 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 on the Architectural, Structural, and/or Electrical drawings for actual pole placement and site location. Pole shall be located 5'-0" min. from adjacent structures below 50'-0" A.G.L., unless noted otherwise.

**LIGHT POLE FOUNDATIONS**

Reference geotechnical report prepared by Earth Systems Pacific, Dated October 28, 2019; Project no.: 303514.001; Report no.: 19-10-95, and supplemental letter dated October 29, 2019; Report no.: 19-10-104

Allowable Vertical soil Capacity - 30 Kips (downward)

Ultimate Lateral Bearing capacity: 390 PSF/FT (upper 5 feet), 300 PSF/FT (Native soils above groundwater table) and 165 PSF/FT (Native soils below groundwater table) to maximum 2,900 PSF/FT. Factor of safety of 1.5 was used. The upper 2 feet of soil should be neglected. Values may be doubled for isolated piers spaced more than 3.0 x diameter or a width of 3 times the actual pier diameter may be used for passive pressure calculations.

A representative of Earth Systems Pacific should be available at the time of the foundation installation to verify the soil design parameters and to provide assistance if any problems arise in foundation installation.

The Contractor must familiarize himself with the complete geotechnical report, and borings and contact the above firm to understand the soil conditions and the possibility of ground water pumping and excavation stabilization or bracing during the foundation installation and placement of concrete.

Soil formations that will require special design considerations or excavation procedures may exist. Pole foundations may need to be reanalyzed according to the soil conditions that exist.

If any discrepancies or inconsistencies arise, notify the RDP in Responsible Charge of such discrepancies.

All piers and concrete must bear on and against firm undisturbed soil as determined by the Geotechnical Engineer.

Place plywood collar around perimeter at the top of foundation excavation to prevent soil from entering pier.

All excavations must be free of loose soil, and debris prior to foundation installation and placement of concrete. Casing or drilling slurry may be required if caving occurs. Review and approval of the Geotechnical Engineer and DSA is required.

All excavations must be free of water or concrete shall be placed by the Tremie Method in accordance with ACI standard 336. Concrete placed by the Tremie Method shall have a minimum ultimate strength of 1,000 PSI greater than required under "Concrete Cast-in-Place" and a maximum slump of 8".

**CONCRETE (CAST-IN-PLACE)**

Concrete pier foundations with steel reinforcement shall obtain a minimum ultimate compressive strength at 28 day test of 3,000 psi. Batch plant inspection not required.

All concrete shall attain a minimum strength of 2,500 psi prior to steel pole erection.

Use Type II/V Portland cement or as directed by the Geotechnical Engineer.

Portland Cement ASTM C-150.

Aggregate ASTM C-33. 1" maximum aggregate size. 3/8" max egg size acceptable where pump mixes are used at unreinforced concrete backfill.

Mix in conformance with ASTM C-94, ACI 318 SECTIONS 19.2 and 26.4.

Place concrete immediately after completion of excavation and inspection by the Geotechnical Engineer and the DSA Inspector. Under no circumstances shall piers be allowed to remain open for more than 12 hours without the approval of the Geotechnical Engineer. Excavations shall be covered and protected until filled with concrete.

Concrete shall be placed in one continuous operation (no construction joint) with special equipment to assure a maximum freefall of 5 ft and to prevent concrete from striking the sides of the excavation. Freefall of concrete is unacceptable through water or drilling slurry.

Vibrate concrete full depth, except for concrete with slump greater than 6", then vibrate only upper 10'-0". Concrete placed under water shall have a slump of 6"-8".

**STEEL POLE**

Steel pole sections conform to the California Code of Regulations T.24, Part 2, Chapter 22A.

All steel conforms to referenced ASTM specifications. (See Pole Data Table for each pole type).

All weldment conforms with AWS D1.1-10 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.

Longitudinal seam welds for pole sections shall have 60% minimum penetration; Except longitudinal seam welds on the female section of telescopic field splices shall be full penetration groove welds for a length equal to the minimum splice length plus 6 inches. See detail K on sheet MD1 for seam weld details.

Pole sections hot dipped galvanized to ASTM A123 latest standards.

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

Steel pole sections shall be assembled in the field by attaching two 1.5 ton "come alongs" to jacking ears, using full effort on each simultaneously, to ensure minimum overlaps as indicated on the "MS" sheet(s) and detail G/MD1.

**PRECAST BASE**

The precast concrete base conforms to California Code of Regulations, T.24, part 2, Chapter 19A and to Building Code Requirements for Reinforced Concrete, ACI 318-14.

See detail "A" on "MS" sheet(s) for material strengths and specifications.

**TESTING AND INSPECTION**

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

EXCAVATIONS & FOUNDATIONS: Inspection of cast-in-place deep foundations - 1705A.8 & Table 1705A.8

CONCRETE MATERIALS: 1903A.1  
 Portland cement - 1910A.1  
 Concrete aggregates - 1903A.5  
 Reinforcing bars - 1910A.2 & DSA IR 17-10  
 Prestressing steel and anchorages - 1910A.3

CONCRETE QUALITY: Proportions of concrete - Reference ACI 318 Section 26.4.3.1 Through 26.4.4.1.  
 Strength tests of concrete - 1905A.1.16 and ACI 318 Section 26.12 & 26.5.3.2.

CONCRETE INSPECTION: 1705A.3 & Table 1705A.3  
 Job site - Reference ACI 318 Section 26.5.1, 26.5.2.1(a) & (b), 26.6.1.2(d), 26.11.1.1(a).  
 Batch Plant Inspection Not Required - 1705A.3.3.2  
 Prestressed concrete - 1704A.2.5, 1705A.3.4

STEEL MATERIALS: Structural steel - 2203A.1 & 2205A.1  
 Cold formed steel - 2210A.1  
 Identification - 2203A.1  
 High strength bolt identification - table 1705A.2.1 & DSA IR 17-9

STEEL QUALITY: Tests of structural steel & cold formed steel - 2203A.1  
 Tests of high strength bolts, nuts, & washers - 2213A.1 & DSA IR 17-8  
 Non-destructive weld tests - 1705A.2.5 & DSA IR-17-2

STRUCTURAL STEEL INSPECTIONS: Table 1705A.2.1  
 Shop fabrication inspection - 1704A.2.5  
 Welding - 1705A.2.5, DSA IR 17-3 and AWS D1.1  
 High strength bolt installation - Table 1705A.2.1 & DSA IR 17-9  
 (including Skidmore-Williams bolt tension pre-installation verification testing)  
 (NOTE: ALL WELDING SHALL BE CONTINUOUSLY INSPECTED BY AN AWS CWI CERTIFIED INSPECTOR APPROVED BY 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, FOUNDATION DETAIL
MS1	80B POLE DETAILS
MS2	90B POLE DETAILS
MS3	100C POLE DETAILS
MD1	ATTACHMENT DETAILS
MD2	ATTACHMENT DETAILS
MD3	ATTACHMENT DETAILS

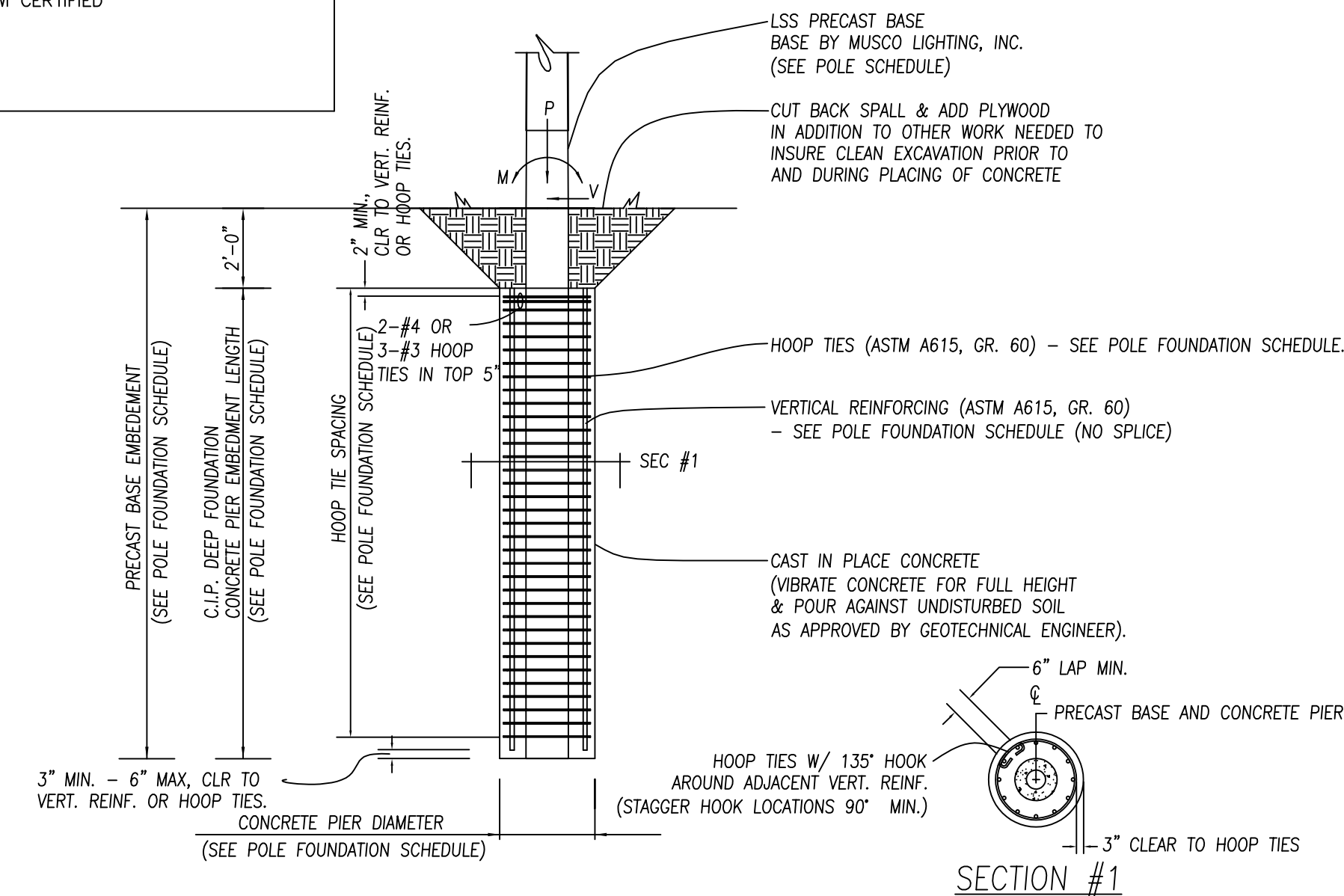
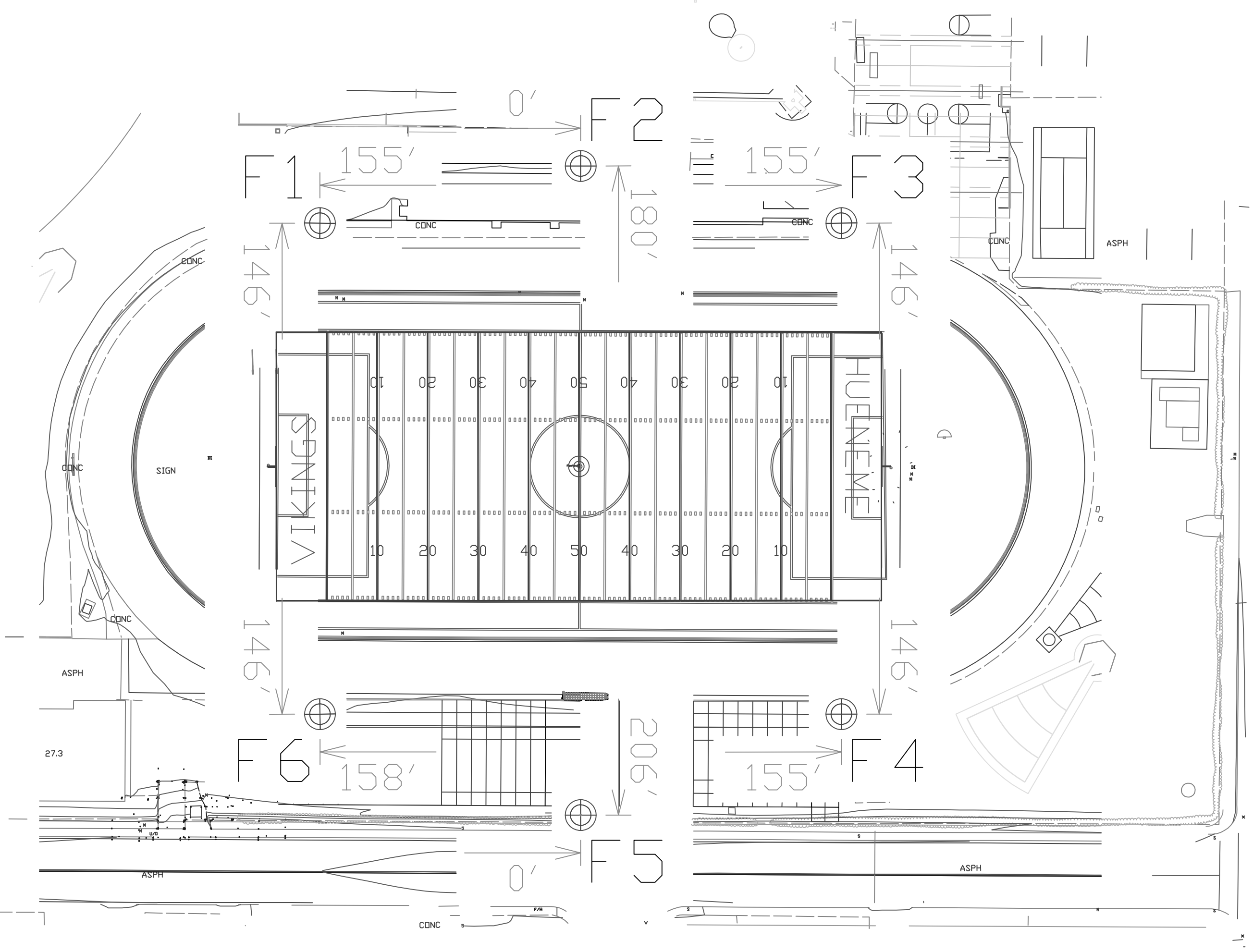
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 APP. 03-120337 INC.  
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 SS  FLS  ACS   
 DATE: 05/28/2020

Port Hueneme FB  
 FIELD LIGHTING  
 Port Hueneme, CA

ENGINEER  
 KNA STRUCTURAL ENGINEERS  
 9911 Huntington Boulevard, Irvine, CA 92618  
 TEL: (949) 453-1100 FAX: (949) 453-3301  
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MUSCO Lighting  
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 100 1st Avenue West  
 Oskaloosa, Iowa 52577  
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BRADING TITLE: SCALE: SEE PLAN  
 NOTES, FOUNDATION DETAIL  
 REVISIONS  
 PROJECT NO. BMA12259  
 DATE: 05/27/2020  
 DRAWN BY: DCL  
 DRAWING NO. MT1



**POLE FOUNDATION SCHEDULE**

POLE TYPE-# OF FIXTURES (MAX) (LSS=LIGHT STRUCTURE)	MARK (SEE POLE ORIENTATION PLAN)	WIND OR SEISMIC (SEISMIC FORCE INCLUDES OVERSTRENGTH FACTOR=1.5)	ASD LEVEL FORCES (MAX)			C.I.P. DEEP FOUNDATION			PRECAST BASE EMBEDMENT FEET	
			MOMENT (M) FT-LBS*	SHEAR (V) LBS	VERTICAL (P) LBS**	DIAMETER INCHES	EMBEDMENT FEET (SEE NOTE BELOW)	VERTICAL REINFORCING (ASTM A615, GR 60)		HOOP TIE SIZE & SPACING (ASTM A615, GR 60)
LSS80B-6	F1, F3, F4, F6	SEISMIC	135,000	2,326	5,180	42"	14'-0"	12-#7	#4 @ 4" O.C. FULL DEPTH	16'-0"
		WIND	122,800	2,309	3,382					
LSS90B-6	F2	SEISMIC	188,300	3,109	6,924	42"	16'-0"	12-#7	#4 @ 4" O.C. FULL DEPTH	18'-0"
		WIND	166,100	2,920	4,276					
LSS100C-6	F5	SEISMIC	292,800	4,416	9,832	48"	18'-0"	12-#8	#4 @ 4" O.C. FULL DEPTH	20'-0"
		WIND	225,500	3,628	6,186					

\*Moment (M) computed below grade at Shear (V) = 0.  
 \*\*Vertical (P) load includes steel pole, light fixtures, and attachments. Vertical (P) load for wind is the dressed pole weight for erection purposes. Vertical (P) load for seismic also includes weight of precast base above groundline. Reference Detail "A" on MS Sheet(s) for precast base weight.  
 Note: Final Embedment to be determined in the field by the Geotechnical Engineer of Record



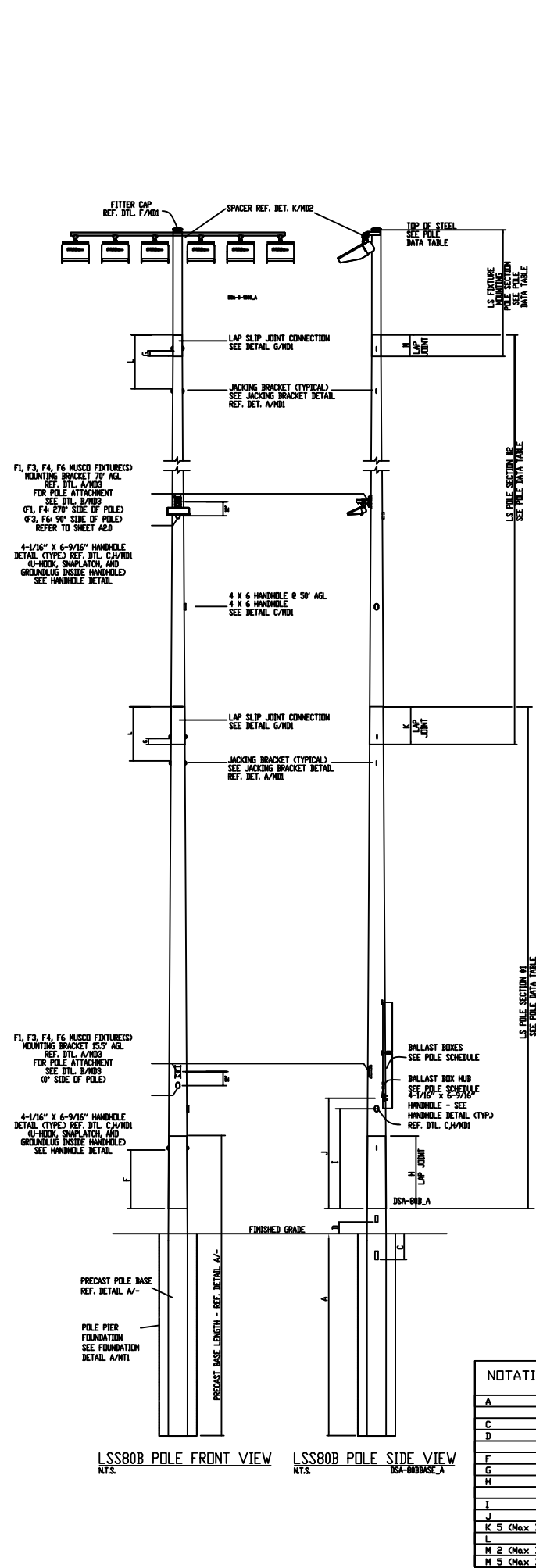
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 FIELD  
 Port

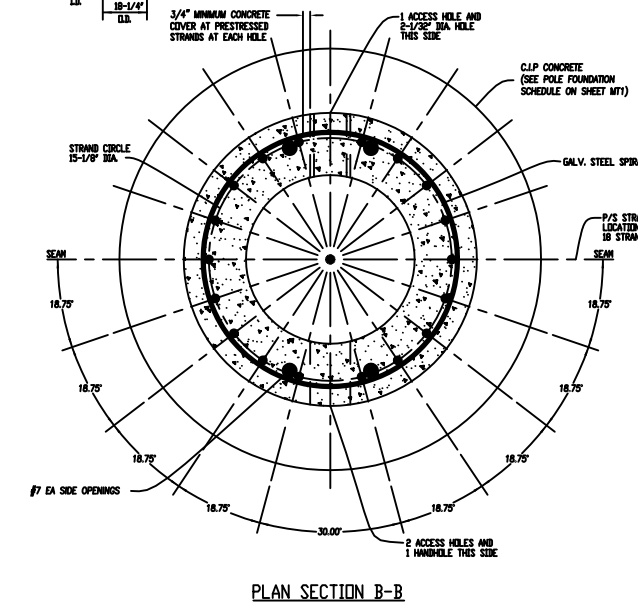
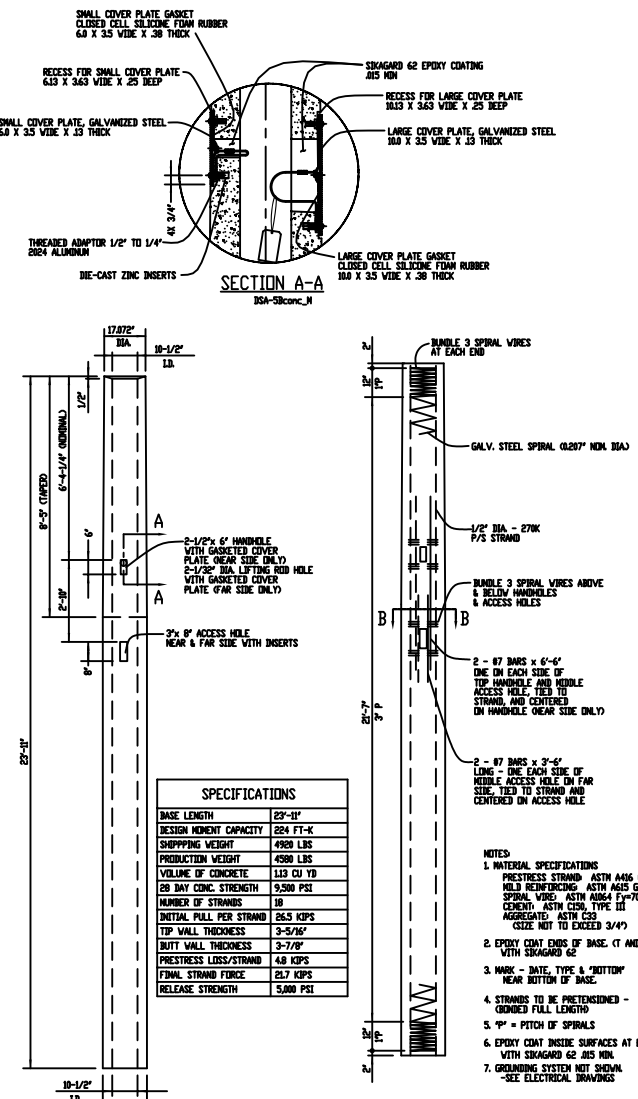


**MUSCO**  
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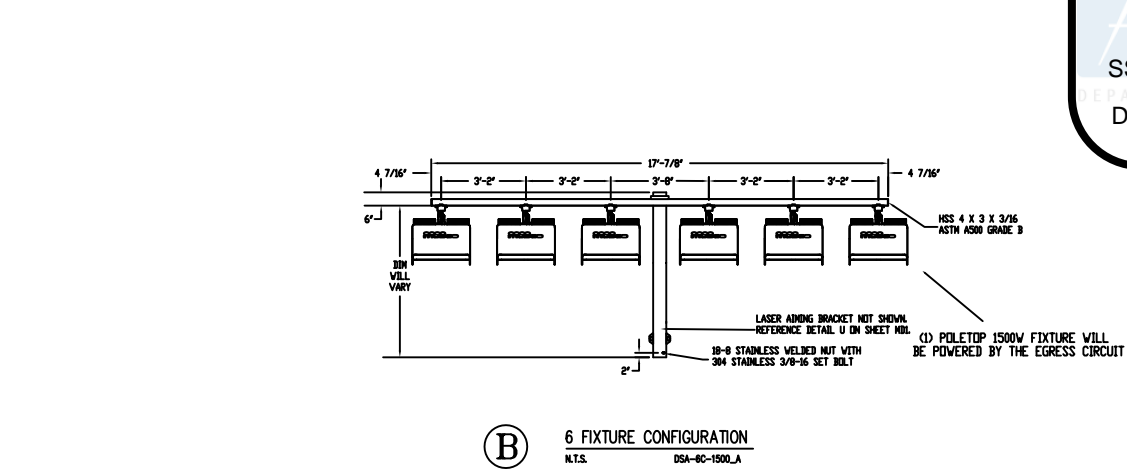
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PROJECT NO. BMA12259		DATE: 04/30/2020	
DRAWN BY: T.HAMILTON		DRAWING NO. MS1	



NOTATION	DIMENSION
A	16'-0"
C	2'-0" NOM.
D	1'-0" NOM.
F	4'-8" NOM.
G	1'-6"
H	6'-1 1/2" NOM. 5'-3 3/4" MIN.
I	7'-11 1/2" NOM.
J	9'-1 1/2" NOM.
K 5 (Max X-arms)	3'-11 1/4" NOM. 2'-7 5/8" MIN.
L	4'-11 1/2" NOM.
M 2 (Max X-arms)	2'-2" NOM. 1'-8 1/2" MIN.
M 5 (Max X-arms)	2'-2" NOM. 1'-9 3/8" MIN.

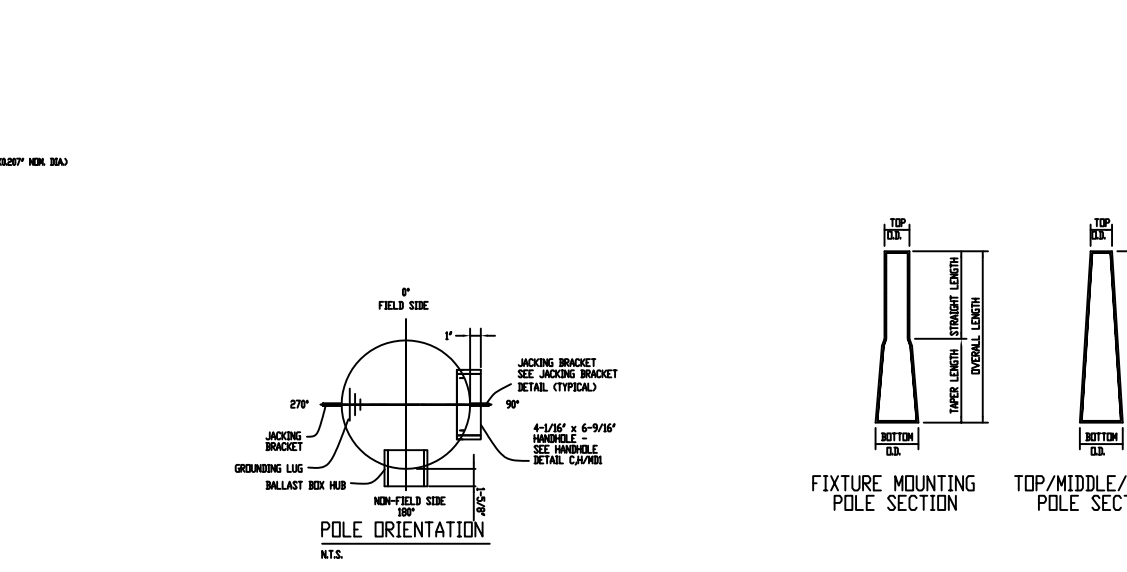


(A) TYPE 5B PRECAST BASE DETAIL  
 N.T.S. BSA-5Bbase\_H



(B) 6 FIXTURE CONFIGURATION  
 N.T.S. BSA-6C-1500\_A

- NOTES:
1. MATERIAL SPECIFICATIONS  
 PRESTRESS STRAND: ASTH A416 GR 270 0.19 RELAXATION  
 HELIX REINFORCING: ASTH A603 GR 60  
 SPIRAL WIRE: ASTH A954 Fy=70 KSI  
 CONCRETE: ASTH C1501 TYPE III  
 AGGREGATE: ASTH C63 (SIZE NOT TO EXCEED 3/4")
  2. EPOXY COAT ENDS OF BASE, (T AND D) WITH SLAGGED 62
  3. MARK - DATE, TYPE & 'BOTTOM' NEAR BOTTOM OF BASE.
  4. STRANDS TO BE PRETENSIONED - GROUDED FULL LENGTH
  5. 'P' = PITCH OF SPIRALS
  6. EPOXY COAT INSIDE SURFACES AT EACH HOLE WITH SLAGGED 62 285 MIN.
  7. GROUNDING SYSTEM NOT SHOWN - SEE ELECTRICAL DRAWINGS



1. CONTAINS COMBINED EPA OF LIGHT FIXTURES, CROSS ARM AND MISCELLANEOUS FIXTURE MOUNTING APPARATUS.  
 FIXTURE WEIGHT 40 LBS. THIS INCLUDES THE WEIGHT OF FIXTURE, CROSS ARM & MISC. MOUNTING APPARATUS. ELECTRICAL BALLAST BOX WEIGHT 30 LBS PER FIXTURE SERVICED.

SITE LOCATION	POLE MARK	REFERENCE LOCATION	POLE TYPE	FIXTURE CONFIGURATION	TOTAL EPA	BALLAST BOX REQUIREMENTS
SEE SITE PLAN (BY OTHERS)	F1, F3, F4, F6	SEE POLE ORIENTATION PLAN	LSS80B	6 - SEE DETAIL B/MS1	XXX	SEE DETAIL SL/MS1

POLE TYPE	PIECE MARK	MAX NUMBER OF X-ARMS	POLE SECTION	TOP O.D. (INCHES)	BTM O.D. (INCHES)	OVERALL LENGTH	STRAIGHT LENGTH	TAPER LENGTH	THICKNESS (INCHES)	TOP OF STEEL NOMINAL	ASTM REFERENCE
LSS80B	LS-2017	2	FIXTURE MOUNTING	8.000"	8.781"	5'-3"	3'-1"	2'-2"	.125	80'-1 7/8"	A513 (Fy=38ksi)
	MP-4BTDSA-9	2	#2	8.190"	13.582"	38'-6 1/8"	---	38'-6 1/8"	.179	---	A595A (Fy=55 ksi) or A572, Gr 55 or 65
	MP-6BTDSA-D	5	#1	12.672"	18.407"	40'-11 5/8"	---	40'-11 5/8"	.239	---	A595A (Fy=55 ksi) or A572, Gr 55 or 65
	MP-5BDSA	---	---	PRECAST BASE	---	---	---	---	---	---	---

FOR PRECAST MEMBER PROPERTIES SEE PRECAST BASE DETAIL A/-

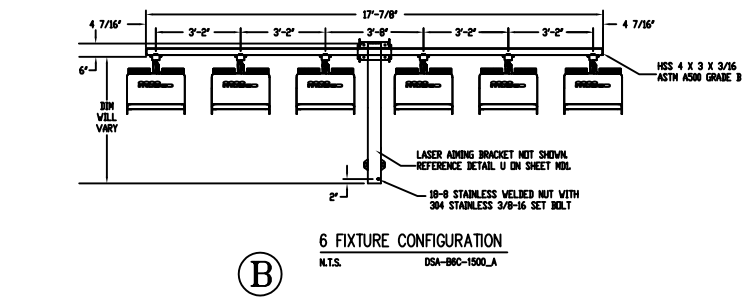
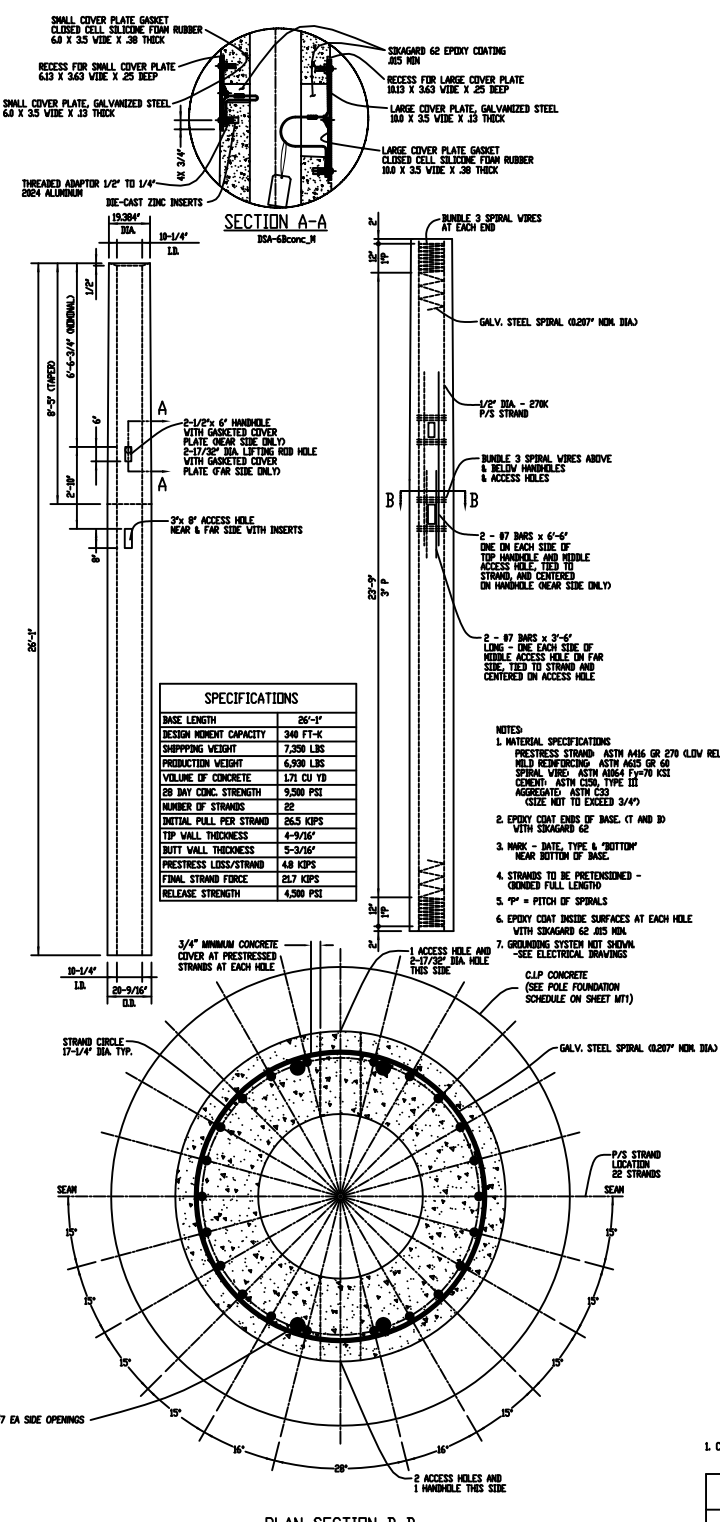
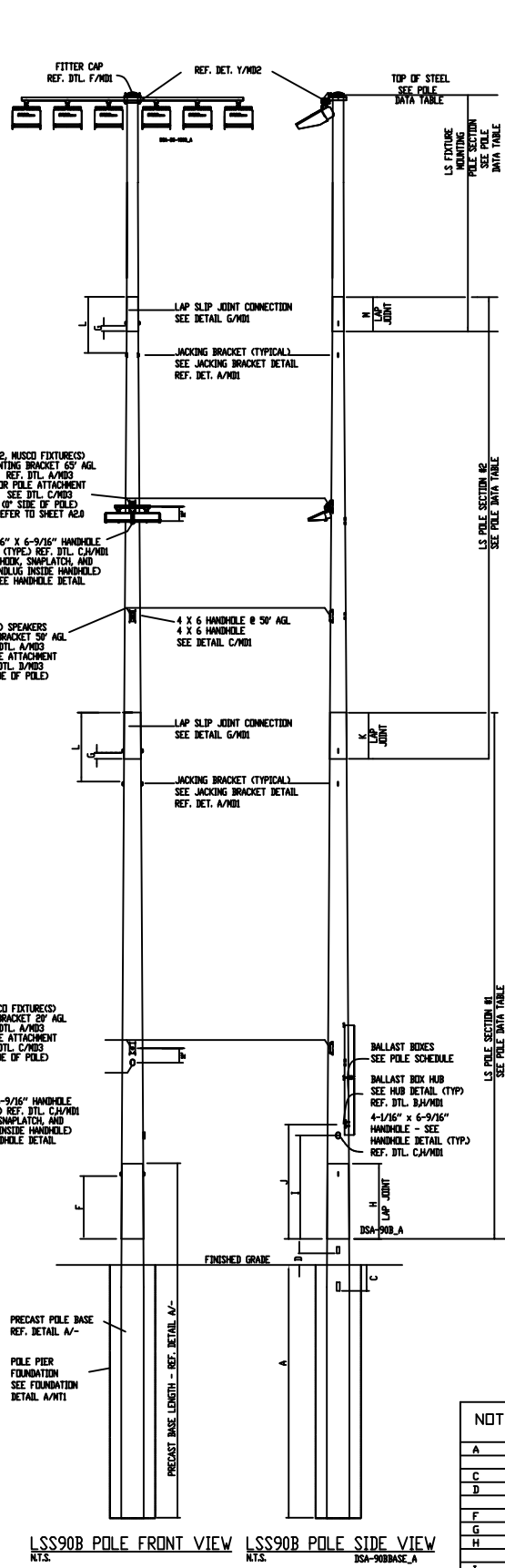
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DRAWING TITLE: POLE DETAIL	SCALE: SEE PLAN	PROJECT NO. BMA12259
REVISIONS:		DATE: 04/30/2020
REFERENCE:		DRAWN BY: T.HAMILTON
		DRAWING NO. MS2



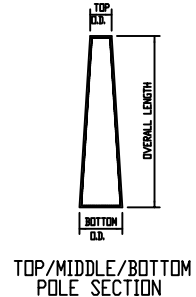
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C	2'-0" NOM.
D	1'-0" NOM.
F	4'-10" NOM.
G	1'-6"
H	6'-5 7/8" NOM. 5'-3 3/4" MIN.
I	8'-1 1/2" NOM.
J	9'-3 1/2" NOM.
K	4'-7 7/8" NOM. 3'-1 3/8" MIN.
L	5'-6 1/2" NOM.
M	3'-3 1/4" NOM. 2'-3" MIN.

SITE LOCATION	POLE MARK	REFERENCE LOCATION	POLE TYPE	FIXTURE CONFIGURATION	TOTAL EPA	BALLAST BOX REQUIREMENTS
SEE SITE PLAN (BY OTHERS)	F2	SEE POLE ORIENTATION PLAN	LSS90B	6 - SEE DETAIL B/M02	XXX	SEE DETAIL VL/M01

(A) TYPE 6B PRECAST BASE DETAIL  
 N.T.S. DSA-6Bconc\_N

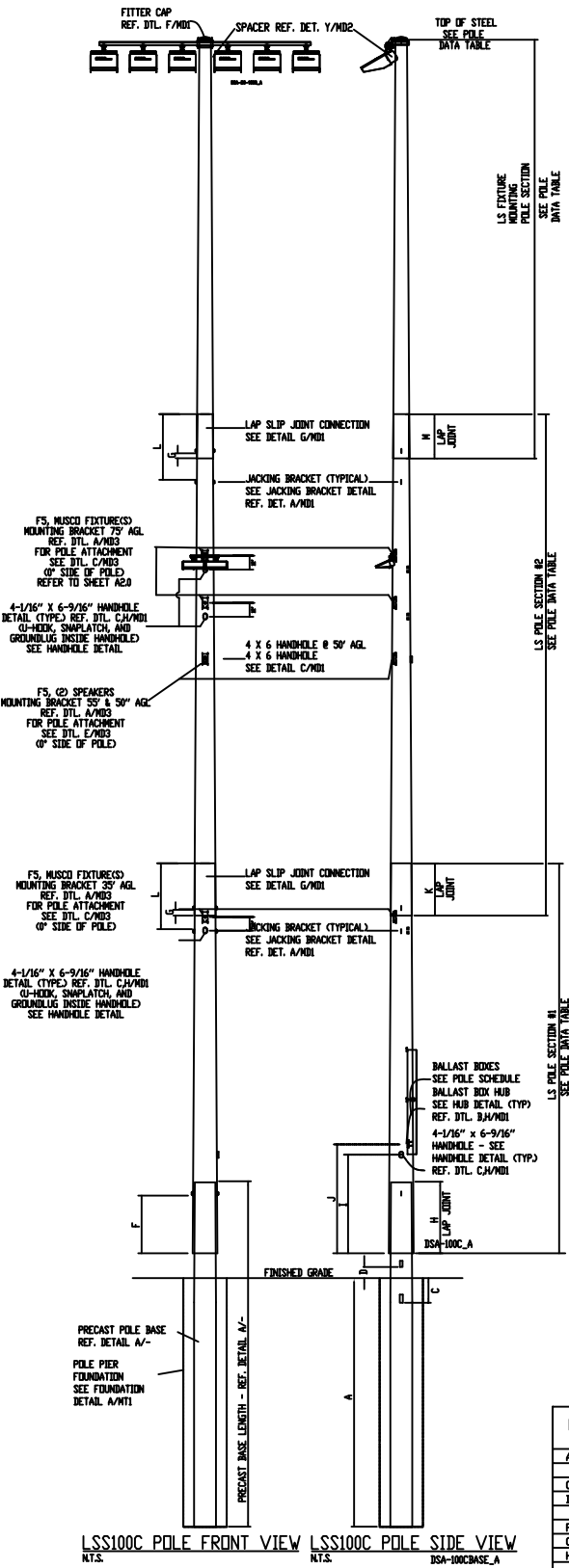
POLE TYPE	PIECE MARK	MAX NUMBER OF X-Arms	POLE SECTION	TOP O.D. (INCHES)	BTM O.D. (INCHES)	OVERALL LENGTH	STRAIGHT LENGTH	TAPER LENGTH	THICKNESS (INCHES)	TOP OF STEEL NOMINAL	ASTM REFERENCE
LSS90B	MP-1BT1-1	6	FIXTURE MOUNTING	9.462"	12.000"	18'-1 1/2"	-----	18'-1 1/2"	.179	87'-5 7/8"	A595A (F <sub>y</sub> =55 ksi) or A572, Gr. 55 or 65
	MP-SBT1TSA-5			11.183"	15.965"	34'-1 7/8"	-----	34'-1 7/8"	.179	-----	A595A (F <sub>y</sub> =55 ksi) or A572, Gr. 55 or 65
	MP-7BT0SA-D			14.954"	20.770"	41'-6 1/2"	-----	41'-6 1/2"	.239	-----	A595A (F <sub>y</sub> =55 ksi) or A572, Gr. 55 or 65
	MP-6B0SA		PRECAST BASE								

FOR PRECAST MEMBER PROPERTIES SEE PRECAST BASE DETAIL A/-

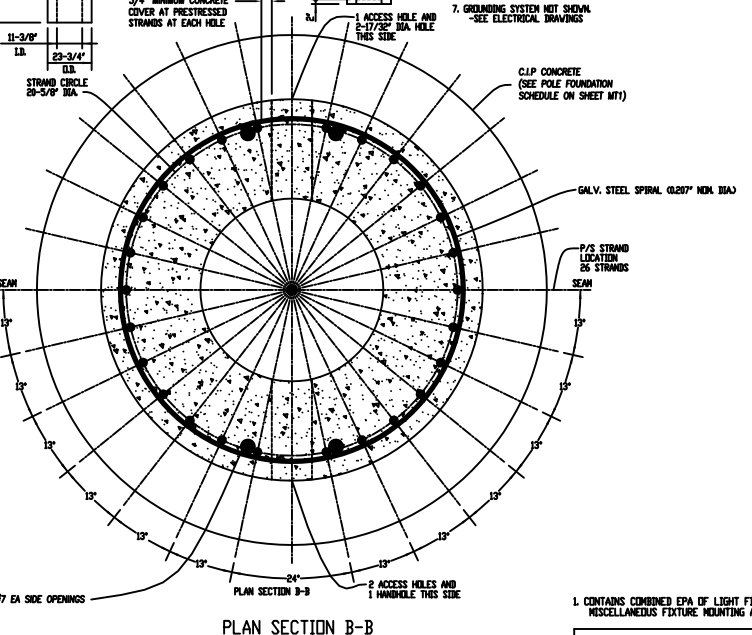
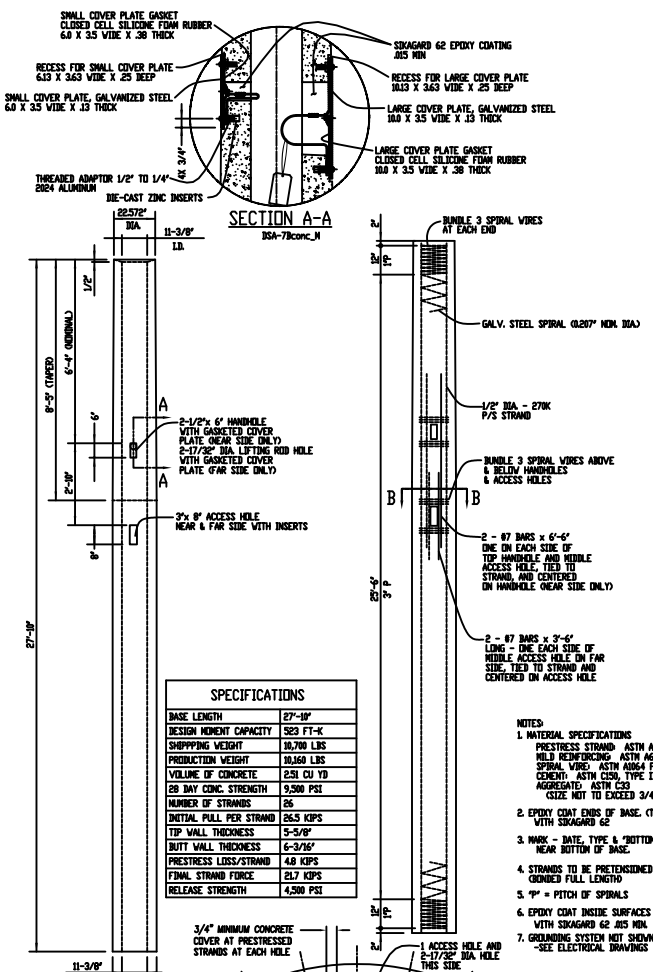


DSA-POLESCH\_C

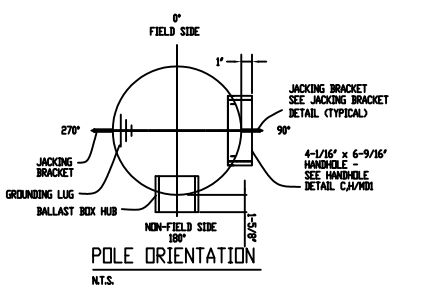
DSA-90BT\_A



NOTATION	DIMENSION
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C	2'-0" NOM.
D	1'-0" NOM.
F	4'-8" NOM.
G	1'-6"
H	6'-0" 7/8" NOM. 5'-3 3/4" MIN.
I	7'-11 1/2" NOM.
J	9'-1 1/2" NOM.
K	5'-8 5/8" NOM. 4'-0 3/4" MIN.
L	6'-7 1/2" NOM.
M	4'-7 7/8" NOM. 3'-1 3/8" MIN.

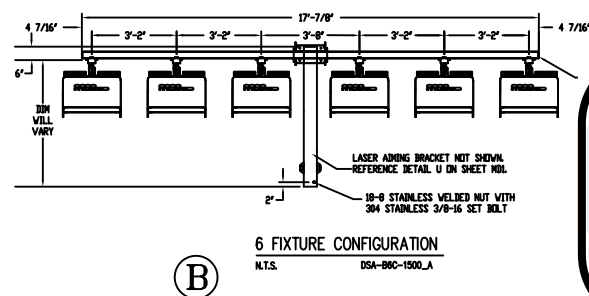


(A) TYPE 7B PRECAST BASE DETAIL  
NT.S. DSA-7Bconc\_M



POLE SCHEDULE						
SITE LOCATION	POLE MARK	REFERENCE LOCATION	POLE TYPE	FIXTURE CONFIGURATION	TOTAL EPA <sup>1</sup>	BALLAST BOX REQUIREMENTS
SEE SITE PLAN (BY OTHERS)	FS	SEE POLE ORIENTATION PLAN	LSS100C	6 - SEE DETAIL B/M03	XXX	SEE DETAIL V/L/M01

POLE DATA TABLE											
POLE TYPE	PIECE MARK	MAX NUMBER OF X-Arms	POLE SECTION	TOP O.D. (INCHES)	BTM O.D. (INCHES)	OVERALL LENGTH	STRAIGHT LENGTH	TAPER LENGTH	THICKNESS (INCHES)	TOP OF STEEL	ASTM REFERENCE
LSS100C	MP-SBTISA-5	7	FIXTURE MOUNTING	11.182"	15.965"	34'-1 7/8"	---	34'-1 7/8"	.179	99'-7 1/2" NOM. 101'-3 3/4" EXP.	A595A (Fy=55 ksi) or A572, Gr. 55 or 65
	MP-7BTISA	62	BT	14.954"	20.770"	41'-6 1/2"	---	41'-6 1/2"	.239	---	A595A (Fy=55 ksi) or A572, Gr. 55 or 65
	MP-SBTISA-D	81	BT	19.492"	24.047"	32'-6 3/8"	---	32'-6 3/8"	.313	---	A595A (Fy=55 ksi) or A572, Gr. 55 or 65
	MP-7BDSA		PRECAST BASE								



(B) 6 FIXTURE CONFIGURATION  
NT.S. DSA-BAC-1000\_A

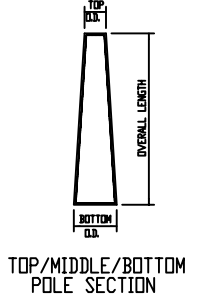
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP. 03-120337 INC:  
REVIEWED FOR  
SS  FLS  WEST ACS   
DATE: 05/28/2020

Port Hub  
FIELD  
Port

PROFESSIONAL ENGINEER - STRUCTURAL  
No. 456-17  
Exp. 6-30-17  
KNA STRUCTURAL ENGINEERS  
9911 Hawthorne Boulevard, Irvine, CA 92618  
TEL: 949.261.1400 FAX: 949.261.1401

MUSCO Lighting  
CORPORATE OFFICE:  
P.O. Box 808  
100 1st Avenue West  
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800/825-6020

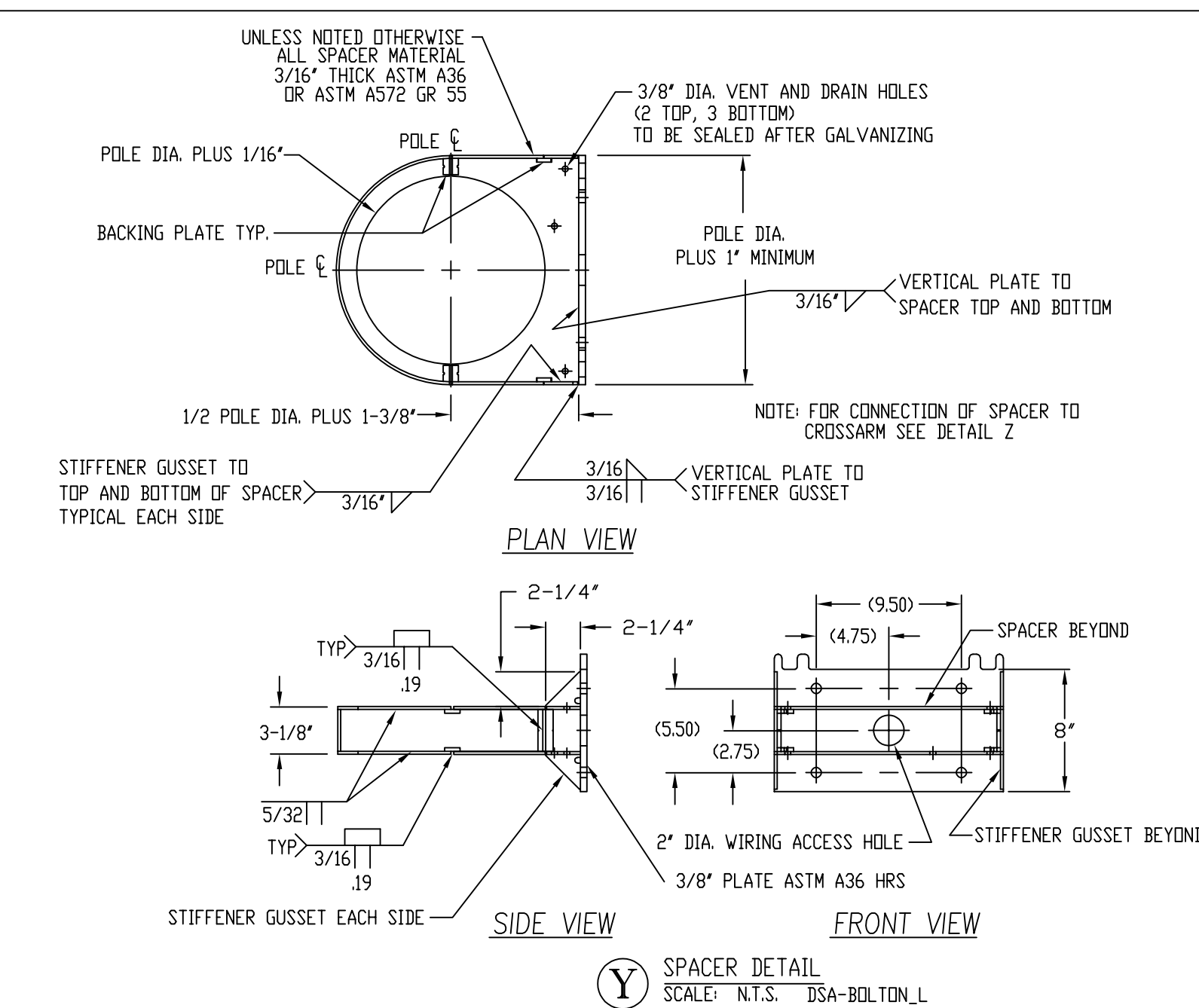
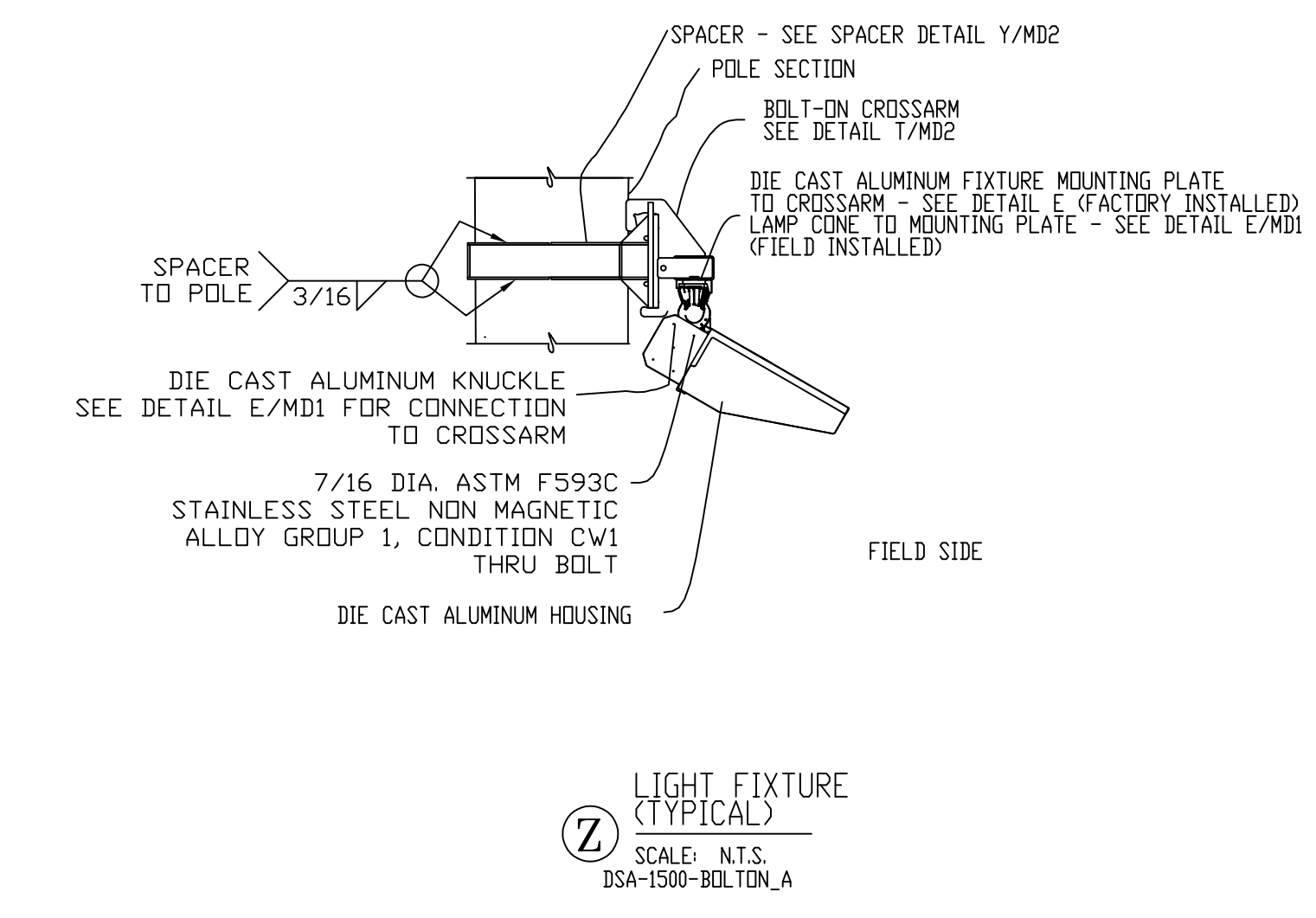
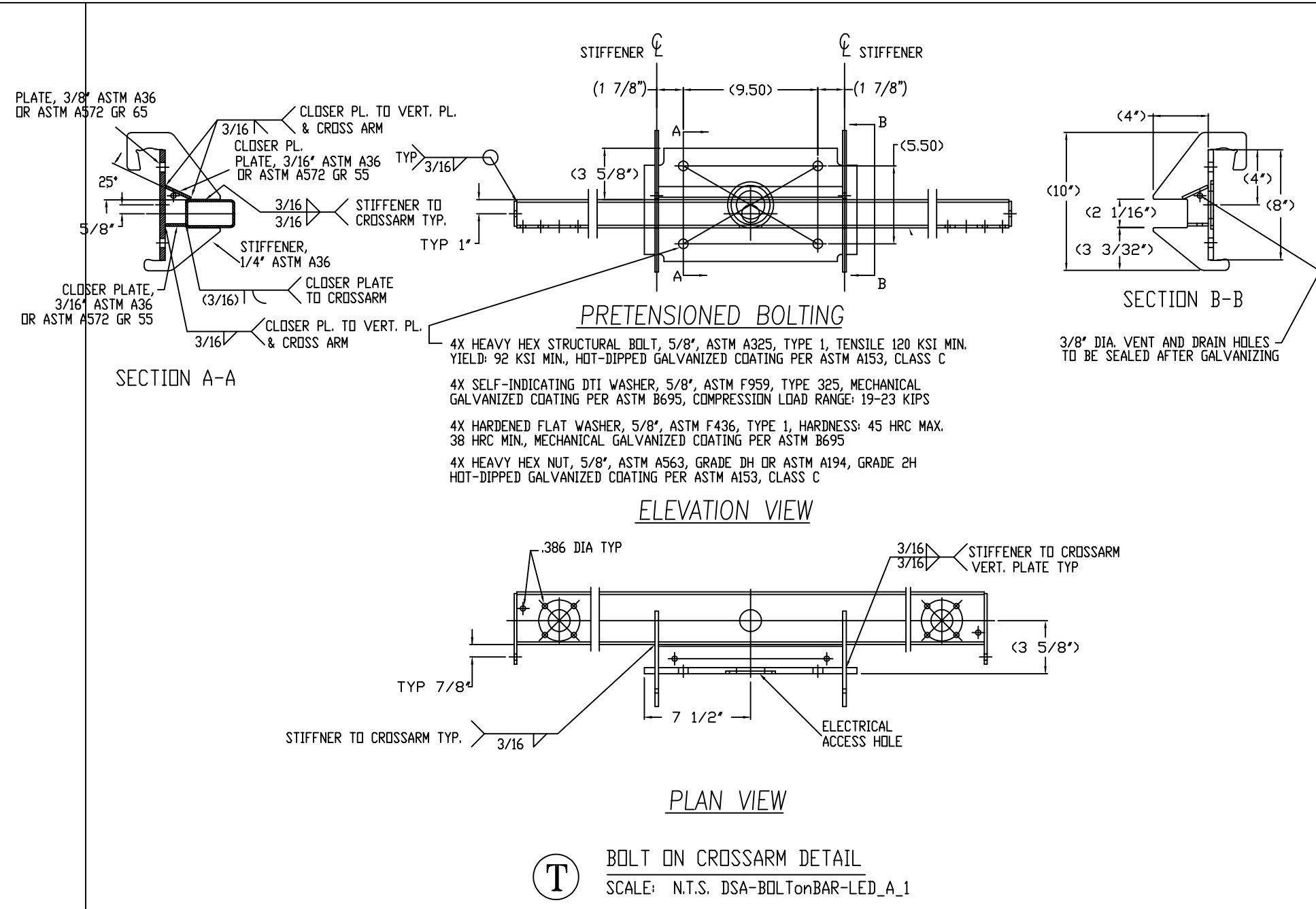
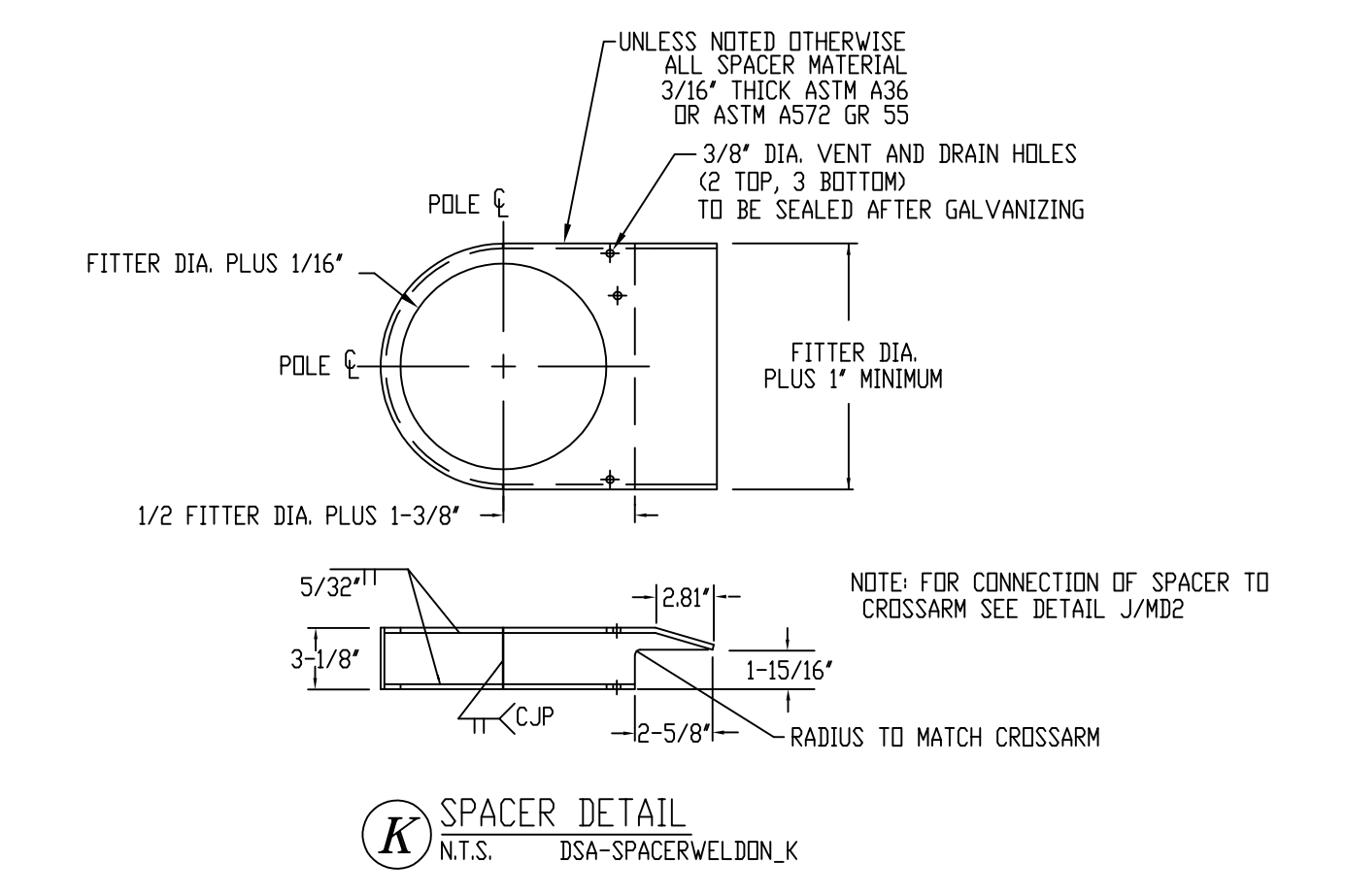
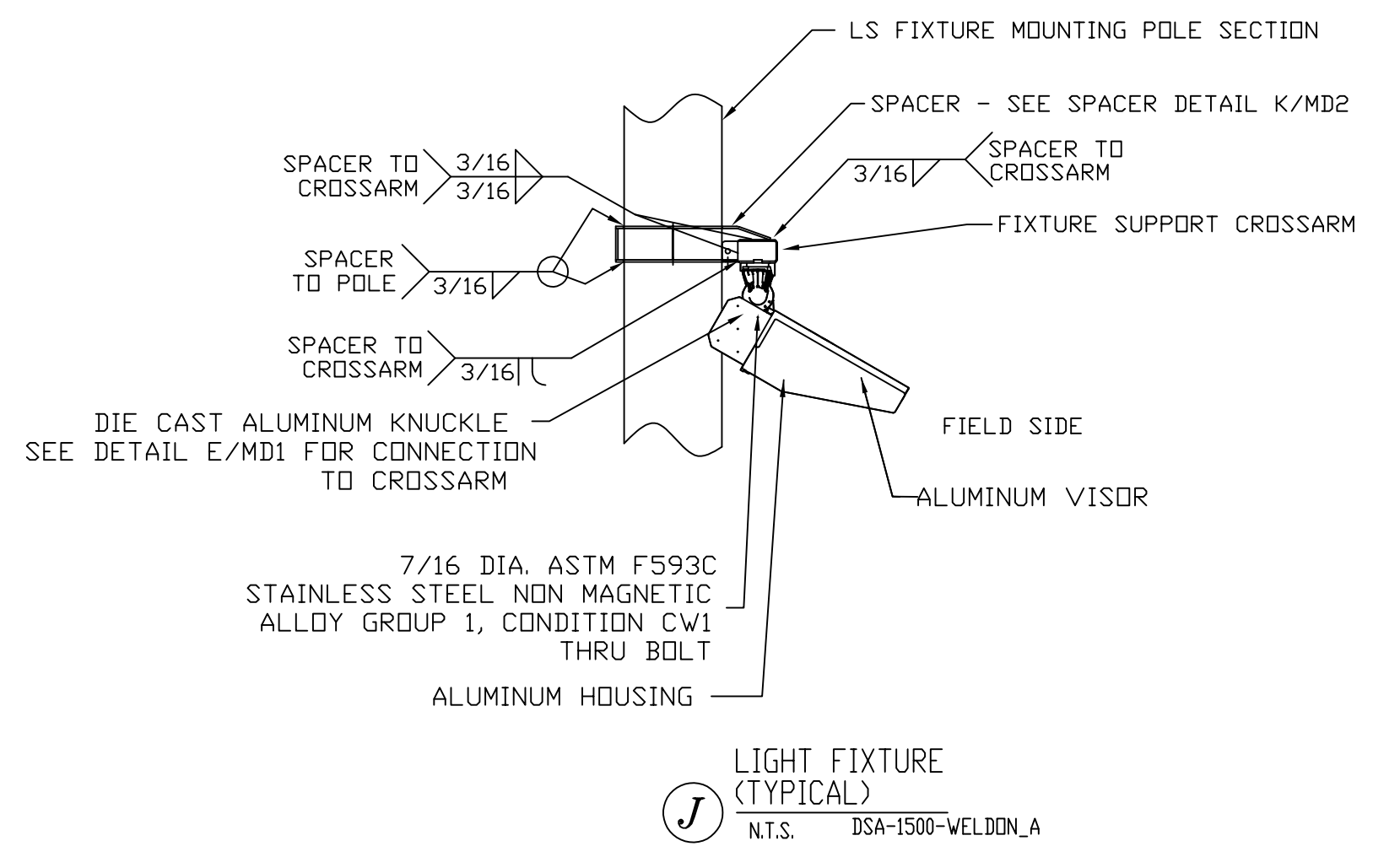
DRAWING TITLE: POLE DETAIL  
SCALE: SEE PLAN  
PROJECT NO.: BMA12259  
DATE: 04/30/2020  
DRAWN BY: T.HAMILTON  
DRAWING NO.: MS3  
4 OF 7



TOP/MIDDLE/BOTTOM POLE SECTION



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DRAWING TITLE: ATTACHMENT DETAILS	SCALE: SEE PLAN
REVISIONS:	REFERENCE:

PROJECT NO.	BMA12259
DATE:	05/27/2020
DRAWN BY:	T.HAMILTON
DRAWING NO.	MD2

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