

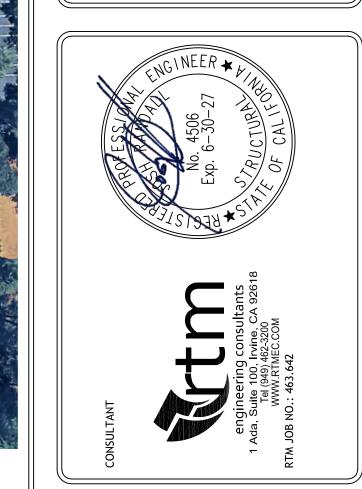
SITE IMPROVEMENT PLAN

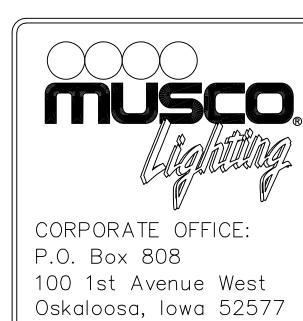
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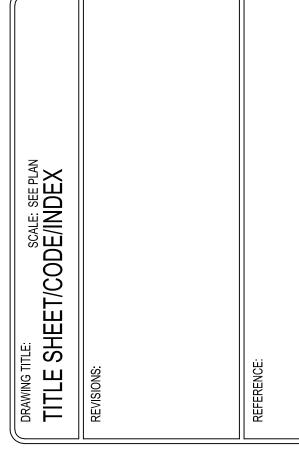


SCHOOL





800/825-6020



1 OF 1

LYMAN GILMORE SCHOOL FIELD LIGHTING 10837 ROUGH AND READY HWY, GRASS VALLEY, CA 95945 A#02-123505

GRASS VALLEY SCHOOL DISTRICT 10840 GILMORE WAY, GRASS VALLEY, CA 95945

PROJECT DIRECTORY

10840 GILMORE WAY, GRASS VALLEY, CA 95945 RTM ENGINEERING CONSULTANTS CONTACT: BRIAN MARTINEZ (530) 273-4483 OFFICE

STRUCTURAL ENGINEER

1 ADA, SUITE 100 IRVINE, CA 92618 CONTACT: JOSH RANDALL

(949) 462-3201 FAX

(949) 462-3200 OFFICE

CES ENGINEERING INC. 13420 MESA DRIVE GRASS VALLEY, CA 95949 CONTACT: RICHARD ROCCUCC (916) 768-7932 OFFICE

PROJECT DESCRIPTION

INSTALLATION OF (4) NEW MUSCO SPORTS LIGHTING POLES AND FOUNDATIONS.

CODE INFORMATION

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH:

2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.

2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R

(2020 NATIONAL ELECTRICAL CODE & 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R (2021 UNIFORM MECHANICAL CODE & 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R

(2021 UNIFORM PLUMBING CODE & 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.

2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R (2021 INTERNATIONAL FIRE CODE & 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.

2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

DSA NOTES

- 1. CHANGES TO THE DSA APPROVED DRAWINGS AND/OR SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT FOR THE STRUCTURAL, ACCESSIBILTY OR FIRE-LIFE SAFETY PORTIONS OF THE PROJECT. CHANGES SHALL BE SUBMITTED TO AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK SHOWN THEREON, (CAC 4-338(c)).
- 2. AN INSPECTOR, EMPLOYED BY THE DISTRICT AND APPROVED IN WRITING BY THE DIVISION OF THE STATE ARCHITECT, SHALL BE REQUIRED FOR CONTINUOUS INSPECTION OF THIS WORK IN ACCORDANCE WITH THE DUTIES DEFINED BY THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 1, SECTION 4-342. THE INSPECTOR SHALL BE QUALIFIED AS A CLASS 2 INSPECTOR FOR THIS PROJECT.
- 3. TESTING, IF ANY, SHALL BE DONE BY A QUALIFIED TESTING LAB AND PAID FOR BY THE OWNER IN ACCORDANCE WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 1, SECTION 4-335.
- 4. THERE ARE NO DEFERRED APPROVALS FOR THIS PROJECT.
- 5. FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH CHAPTER 33 OF THE CBC AND CFC, AND THE WRITTEN SITE SAFETY PLAN.
- 6. 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, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK (CAC, 2103, 4-317(c)).
- 7. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

GENERAL NOTES

- 1. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO THE START OF WORK AND IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ANY DISCREPANCIES, WHICH MAY EXIST BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND THE ACTUAL FIELD CONDITIONS.
- 2. THE CONTRACTOR SHALL THOROUGHLY INVESTIGATE, VERIFY, AND BEAR FULL RESPONSIBILITY FOR DIMENSIONS AND EXISTING CONDITIONS THAT AFFECT CONSTRUCTION AS SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF ANY CONDITIONS REQUIRING MODIFICATION OR CHANGE PRIOR TO STARTING WORK.
- 3. ANY DAMAGE TO EXISTING CONSTRUCTION OR EQUIPMENT CAUSED BY OPERATIONS UNDER THIS CONTRACT SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE SCHOOL DISTRICT AT THE CONTRACTOR'S EXPENSE.
- 4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ALL UTILITIES AND SUBSTRUCTURES WITHIN | THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING THE LIMITS OF NEW WORK WHETHER SHOWN ON THE DRAWINGS OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR WILL BE HELD RESPONSIBLE AND SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF SAID UTILITIES AND SUBSTRUCTURES DAMAGED BY HIS OPERATION IN CONNECTION WITH THE EXECUTION OF THIS WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL DAMAGE ARISING FROM AND/OR CONNECTED WITH DAMAGE TO SAID UTILITIES AND SUBSTRUCTURES AS OUTLINED ABOVE.
- 5. 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.
- 6. 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 THE OWNER FOR ACCEPTABLE ACCESS ROUTE AND TIME. UNDER NO CIRCUMSTANCES USE AREA OUTSIDE THE CONSTRUCTION ZONE WITHOUT PRIOR CLEARANCE FROM THE OWNER.
- 7. 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.

SHEET INDEX (TOTAL SHEETS = 12)

TITLE SHEET/INDEX/CODE.

C1.0 CIVIL SITE PLAN MUSCO SPORTS LIGHTING MT1 NOTES, FOUNDATION DETAIL

MS1 90B POLE DETAILS

70D POLE DETAILS ATTACHMENT DETAILS E2 ELECTRICAL SITE PLAN E3 ELECTRICAL DETAILS MUSCO SPORTS LIGHTING DETAILS E5 MUSCO SPORTS LIGHTING DETAILS

ATTACHMENT DETAILS STATEMENT OF GENERAL CONFORMANCE

ELECTRICAL

E1 COVER SHEET

THIS NOTE IS FOR UTILIZING PLANS PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND / OR CONSULTANTS

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS (APPLICATION NO. 02-123505)

THIS DRAWING, PAGE OF SPECIFICATIONS/CALCULATIONS, OR THE ATTACHED LIST OF ITEMS HAS 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:

- DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
- COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

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))

DRAWINGS: C1.0, E1, E2, E3, E4, E5



09/24/2025 DATE

JOSH RANDAL PRINT NAME

S - 4506LICENSE NUMBER

EXPIRATION DATE

VICINITY MAP

AREA OF WORK

PROJECT NO.	199230
DATE:	09/23/2025

J.Donahue DRAWING NO.

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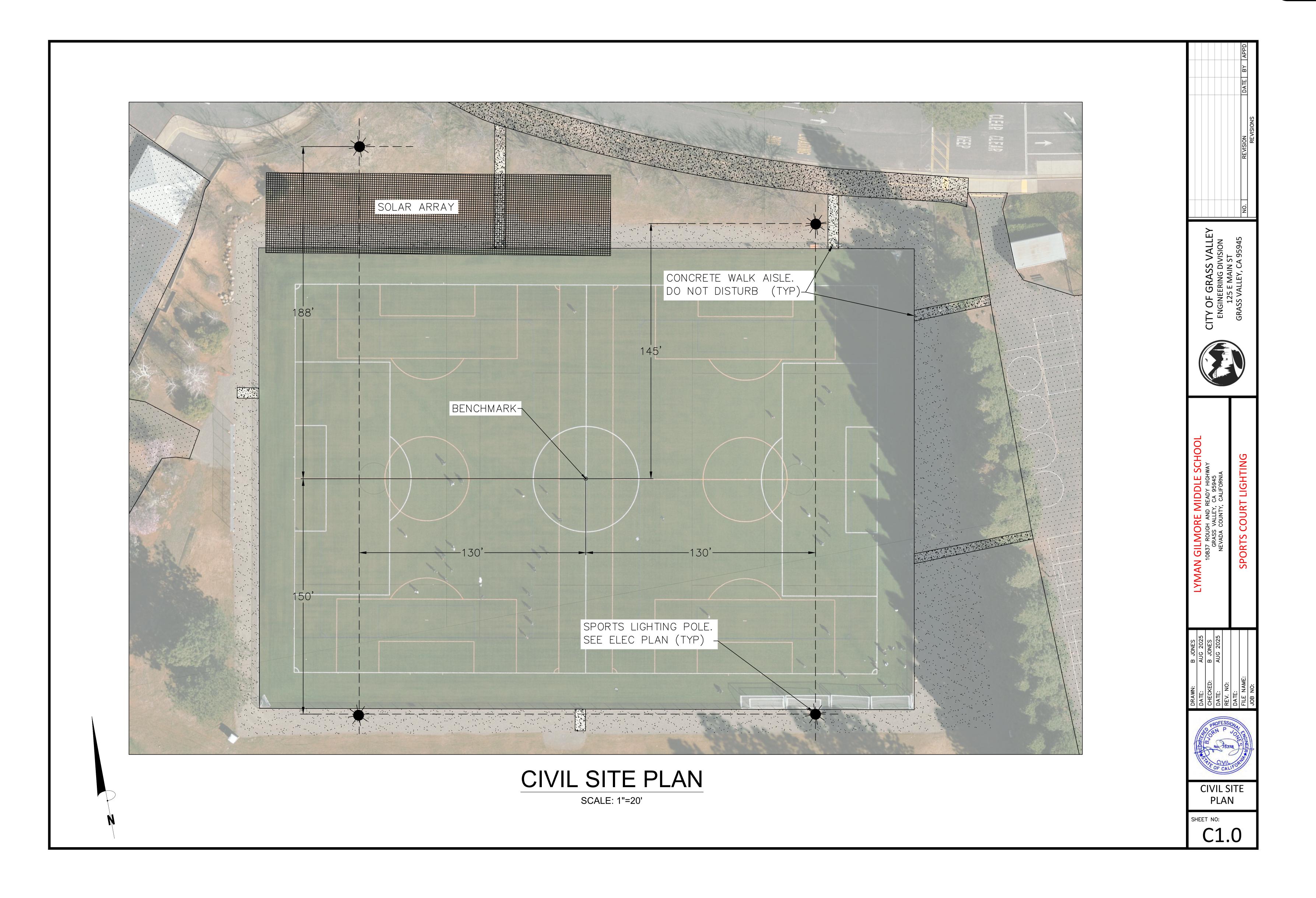
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APP: 02-123505 INC:

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DATE: 09/25/2025



APPLICABLE BUILDING CODE

All construction and workmanship shall conform to the 2022 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

Wind Design Data: • Vult = 110 MPH (Exposure C); Vasd = 85 MPH (Exposure C)

• See Pole Foundation Schedule for maximum pole wind forces. Seismic Design Data:

Risk Category = II (Self Supporting Poles)

• $S_s = 0.549^\circ$ \bullet S₁ = 0.233 • Site Class = C

• $S_{D1} = 0.233$ Seismic Design Category = D
 Basic Seismic—Force—Resisting System = Non—Building Structure, not similar to buildings

• Cs = 0.106 (70D); 0.080 (90B) (STRENGTH LEVEL)• R = 1.5

 \bullet $\Omega = 1.5$ Analysis Procedure = Equivalent Lateral Force Procedure • See Pole Foundation Schedule for maximum pole seismic forces.

GENERAL CONSTRUCTION

• $S_{DS} = 0.469$

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 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

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 NV5, Dated February 22, 2019; Project No. 5249.00, Quantum Geotechnical Inc., Dated July 10, 2023; Project no. J062.G, and addendum prepared by NV5, Dated June 20, 2025; Project No. 5249.02.

Allowable Vertical soil Capacity — 2,500 PSF (End Bearing).

Allowable Lateral Bearing capacity: 550 PSF/FT to maximum 6,600 PSF (Values may be doubled for isolated piers spaced more than 2.0 x diameter and increased $\frac{1}{12}$ for wind and seismic loading.

A representative of NV5 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 concrete must bear on and against firm undisturbed soil as determined by the Geotechnical Engineer. Place plywood collar ground perimeter at the top of foundation excavation to prevent soil from entering.

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 areater than required under "Concrete Cast-In-Place' and a maximum slump of 8".

CONCRETE (CAST-IN-PLACE)

Concrete backfill without steel reinforcement shall attain a minimum ultimate compressive strength at 28 day test of 3,000 psi (2,500psi used for structural design). 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. $\frac{3}{8}$ " max agg. size acceptable where pump mixes are used at unreinforced concrete backfill.

Mix in conformance with ASTM C-94, ACI 318 SECTIONS 19.3 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 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—15 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 drawing number MD1 for seam weld details.

Pole sections hot dipped galvanized to ASTM A123 latest standards. All miscellaneous structural steel items conform to AISC 360-16.

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—19. Precast bases are an ICC approved product under ESR-3765.

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 & project DSA 103 form.

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

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.1.17 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 — 2202A.1 & 2205A.1 Cold formed steel — 2210A.1

Identification - 2202A.1 High strength bolt identification — table 1705A.2.1 & DSA IR 17—9

Tests of structural steel & cold formed steel — 2202A.1 Tests of high strength bolts, nuts, & washers — 2213A.1 & DSA IR 17—8

STRUCTURAL STEEL INSPECTIONS: Table 1705A.2.1 Shop fabrication inspection — 1704A2.5 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 Škidmore—Wilhelm 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.

IND	EX OF SHEETS
MT1	NOTES, FOUNDATION DETAIL
MS1	90B POLE DETAILS
MS2	70D POLE DETAILS
MD1	ATTACHMENT DETAILS
MD2	ATTACHMENT DETAILS

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

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SS 🗹 FLS 🗹 ACS 🗌

APP: 02-123505 INC:

DATE: 09/25/2025

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

DRAWING TITLE: SCALE: SEE PLAN NUTES, FUUNDATION DETAIL	REVISIONS	REFERENCE:

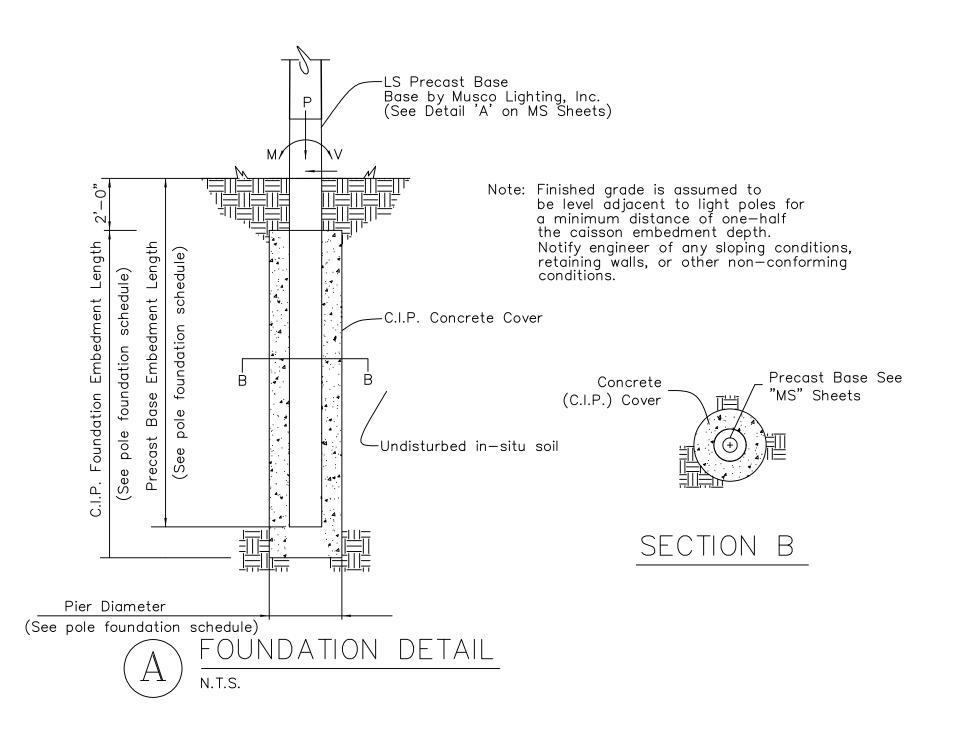
PROJECT NO.

∬ DRAWING NO.

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∬ DRAWN BY dipalmer

POLE ORIENTATION PLAN N.T.S. NOTE: THIS PLAN IS A PICTORAL REPRESENTATION OF THE SITE LAYOUT. REFERENCE SITE PLAN ON SHEET C1.0 FOR DIMENSIONED POLE LOCATIONS.



		POLE	FOUNDA	TION S	CHEDUL	E			
POLE TYPE-# OF FIXTURES	MARK	WIND OR SEISMIC (SEISMIC FORCE	ASD L	EVEL FORCES	(MAX)	C.I.P. DEEP	FOUNDATION	PRECAST BASE	
(MAX) (LSS=LIGHT STRUCTURE)	(SEE POLE ORIENTATION PLAN)	NCLUDES OVERSTRENGTH FACTOR=1.5)	MOMENT (M) FT-LBS*	SHEAR (V) LBS	VERTICAL (P) LBS**	DIAMETER INCHES	EMBEDMENT FEET	EMBEDMENT LENGTH	
1.0070D E	C2 C7 C4	SEISMIC	22,600	509	4,590	7.0"	40' 0"	4.67 .0"	
LSS70D-5 S2, S3,	S2, S3, S4	WIND	82,100	1,783	2,828	36"	16'-0"	16'-0"	
1 CC00D F	C1	SEISMIC	29,200	525	6,225	7.0"	40' 0"	4.0' 0"	
LSS90B-5	S1	WIND	127,300	2,309	3,566	36"	18'-0"	18'-0"	

*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.

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REVIEWED FOR SS FLS ACS DATE: 09/25/2025







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100 1st Avenue West
Oskaloosa, lowa 52577
800/825-6020

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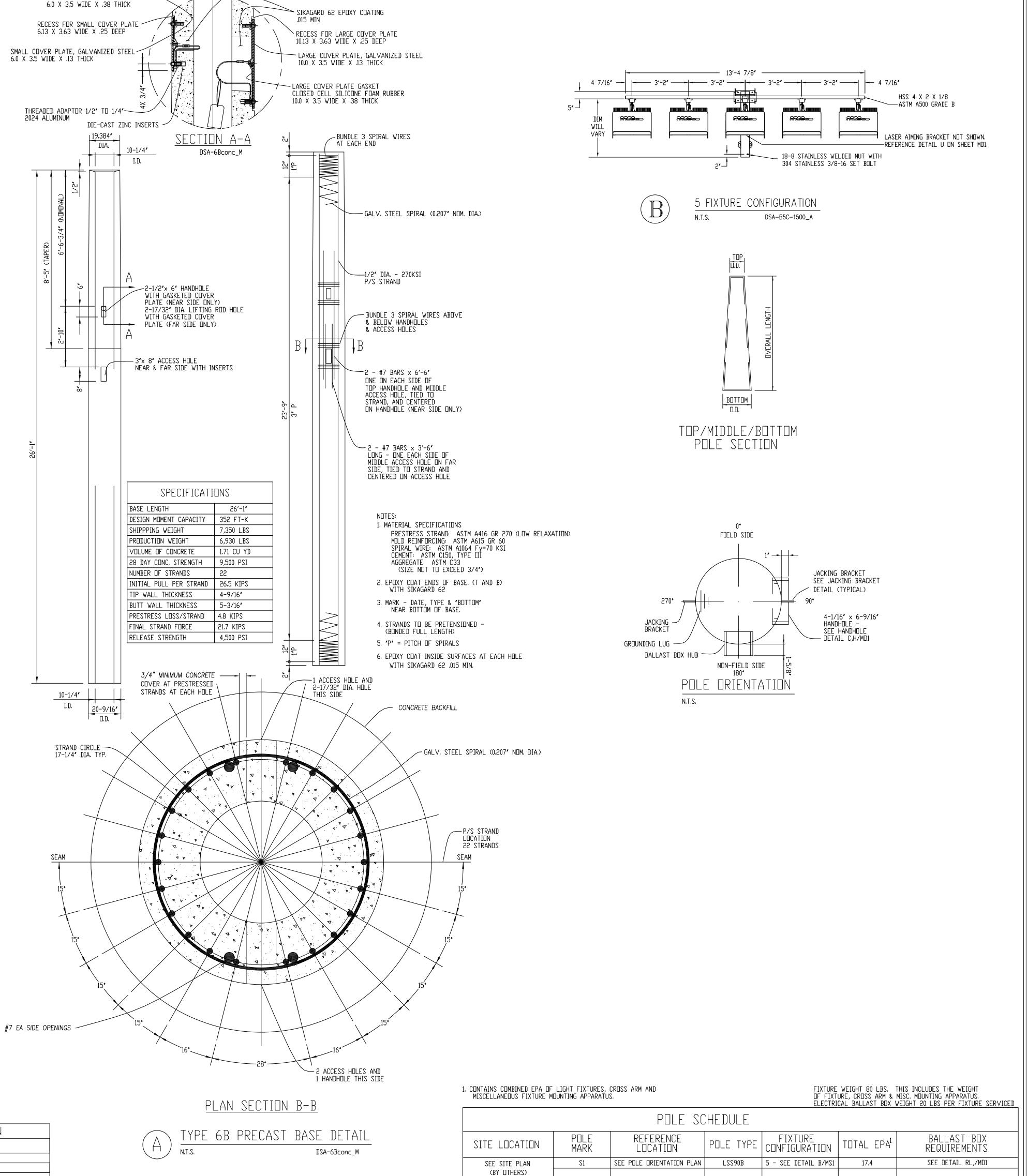
DATE: 09/23/2025

DRAWN BY:

dipalmer

DRAWING ND.

2 DF 5



POLE DATA TABLE

 15.965"
 34'-1 7/8"
 --- 34'-1 7/8"
 .179

 20.770"
 41'-6 1/2"
 ---- 41'-6 1/2"
 .239

FOR PRECAST MEMBER PROPERTIES SEE PRECAST BASE DETAIL A/-

MAX NUMBER of X-Arms

FIXTURE MOUNTING

PRECAST BASE

POLE TYPE PIECE MARK

MP-1BTT-1

MP-6BDSA

MP-5BTTDSA-5
MP-7BTDSA-D

SMALL COVER PLATE GASKET CLOSED CELL SILICONE FOAM RUBBER <

DIMENSION

6'-5 7/8" N□M. 5'-3 3/4" MIN.

4'-7 7/8" N□M. 3'-1 3/8" MIN.

3'-3 1/4" N□M. 2'-4" MIN.

LSS90B

18'-0"

2'-0" NDM. 1'-0" NDM.

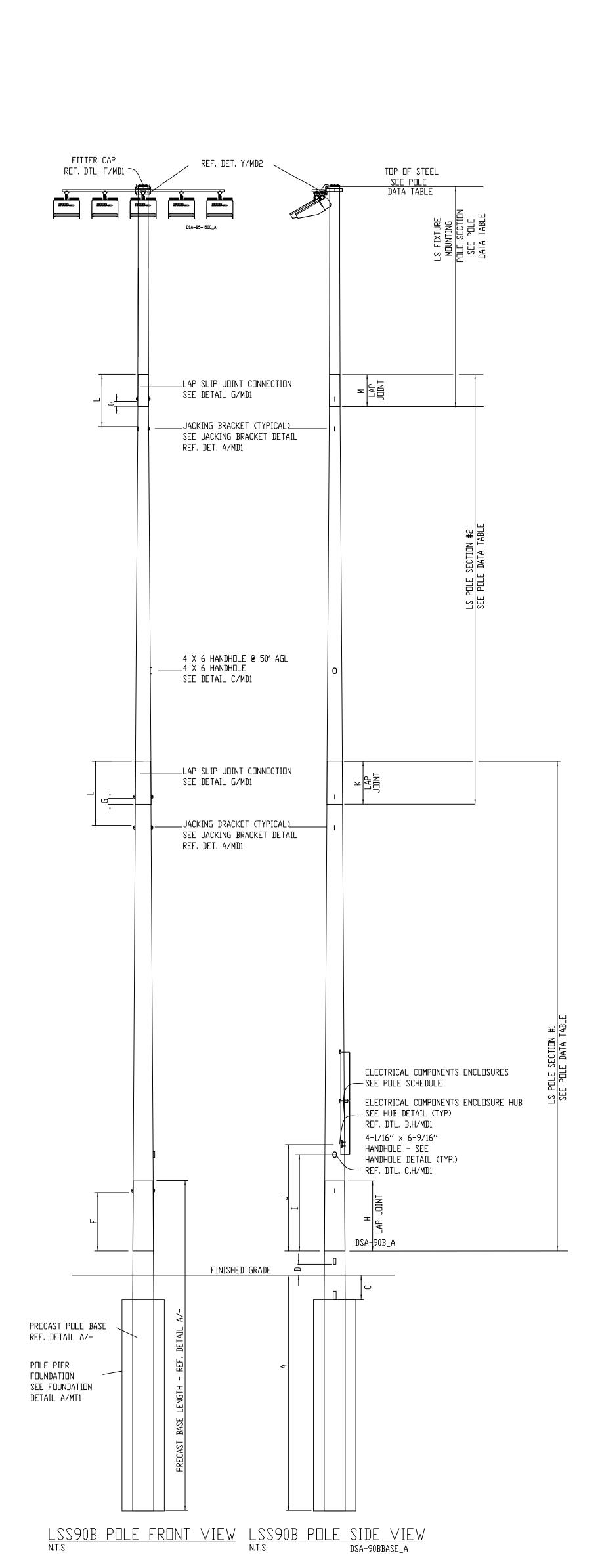
4′-10″ N□M.

8'-1 1/2" N□M.

9'-3 1/2″ N□M.

5′-6 1/2″ N□M.

NOTATION



ASTM REFERENCE

A595A (Fy=55 ksi) or A572, Gr 55 or 65

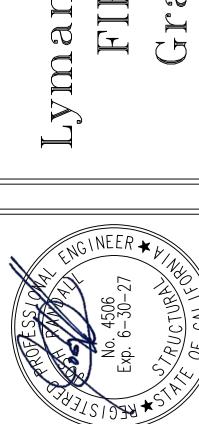
A595A (Fy=55 ksi) or A572, Gr 55 or 65

87'-5 7/8" | A595A (Fy=55 ksi) or A572, Gr 55 or 65

DSA-POLESCHE_C

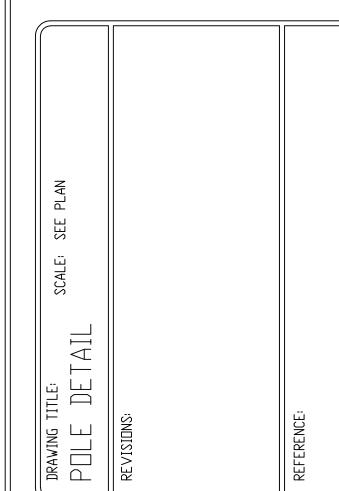
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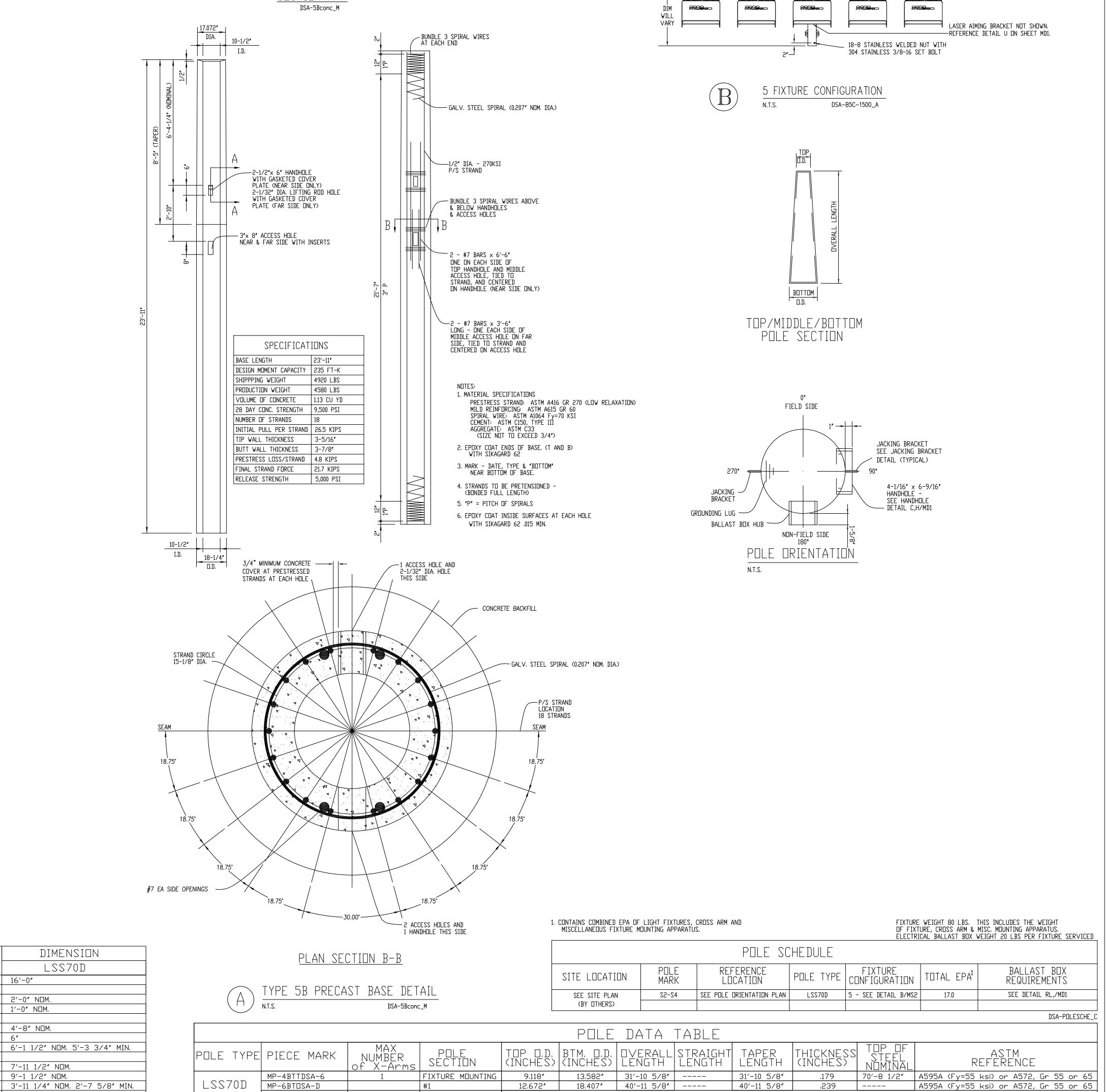
PROJECT NO. 199230

((DATE: 09/23/2025

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DSA-70DDT_A

DSA-70_A



—— 13′-4 7/8**″** ———

3'-2" --- 3'-2" --- 4 7/16"

FOR PRECAST MEMBER PROPERTIES SEE PRECAST BASE DETAIL A/-

——ASTM A500 GRADE B

SMALL COVER PLATE GASKET CLOSED CELL SILICONE FOAM RUBBER 6.0 X 3.5 WIDE X .38 THICK

RECESS FOR SMALL COVER PLATE — 6.13 X 3.63 WIDE X .25 DEEP

SMALL COVER PLATE, GALVANIZED STEEL — 6.0 X 3.5 WIDE X .13 THICK

THREADED ADAPTOR 1/2" TO 1/4"

DIE-CAST ZINC INSERTS —

2024 ALUMINUM

DIMENSION

MP-5BDSA

PRECAST BASE

LSS70D

16'-0"

2'-0" N□M.

1'-0" N□M.

4'-8″ N□M.

7′-11 1/2″ N□M. 9′-1 1/2″ N□M.

4'-11 1/2″ N□M.

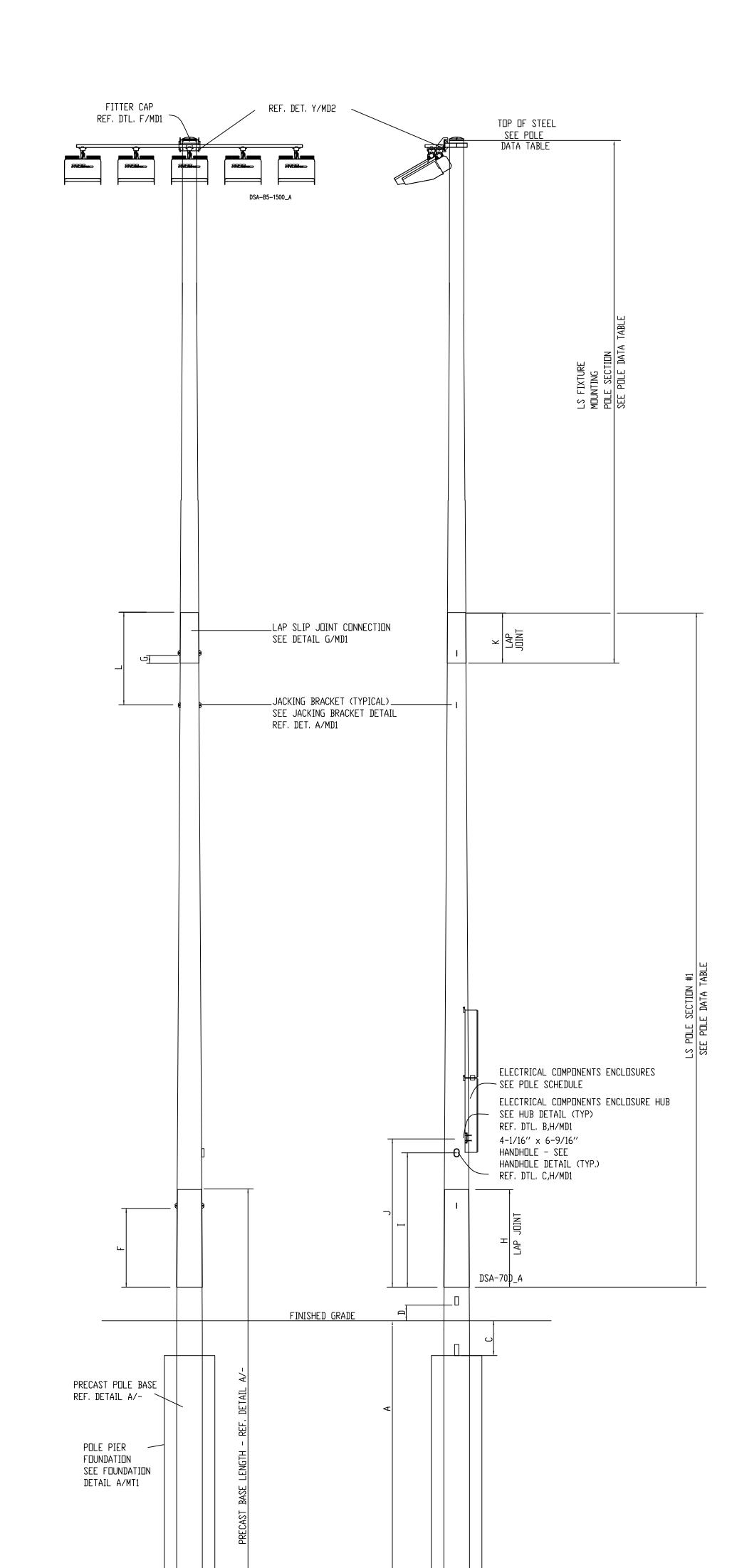
NOTATION

— SIKAGARD 62 EPOXY COATING

— LARGE COVER PLATE GASKET CLOSED CELL SILICONE FOAM RUBBER 10.0 X 3.5 WIDE X .38 THICK

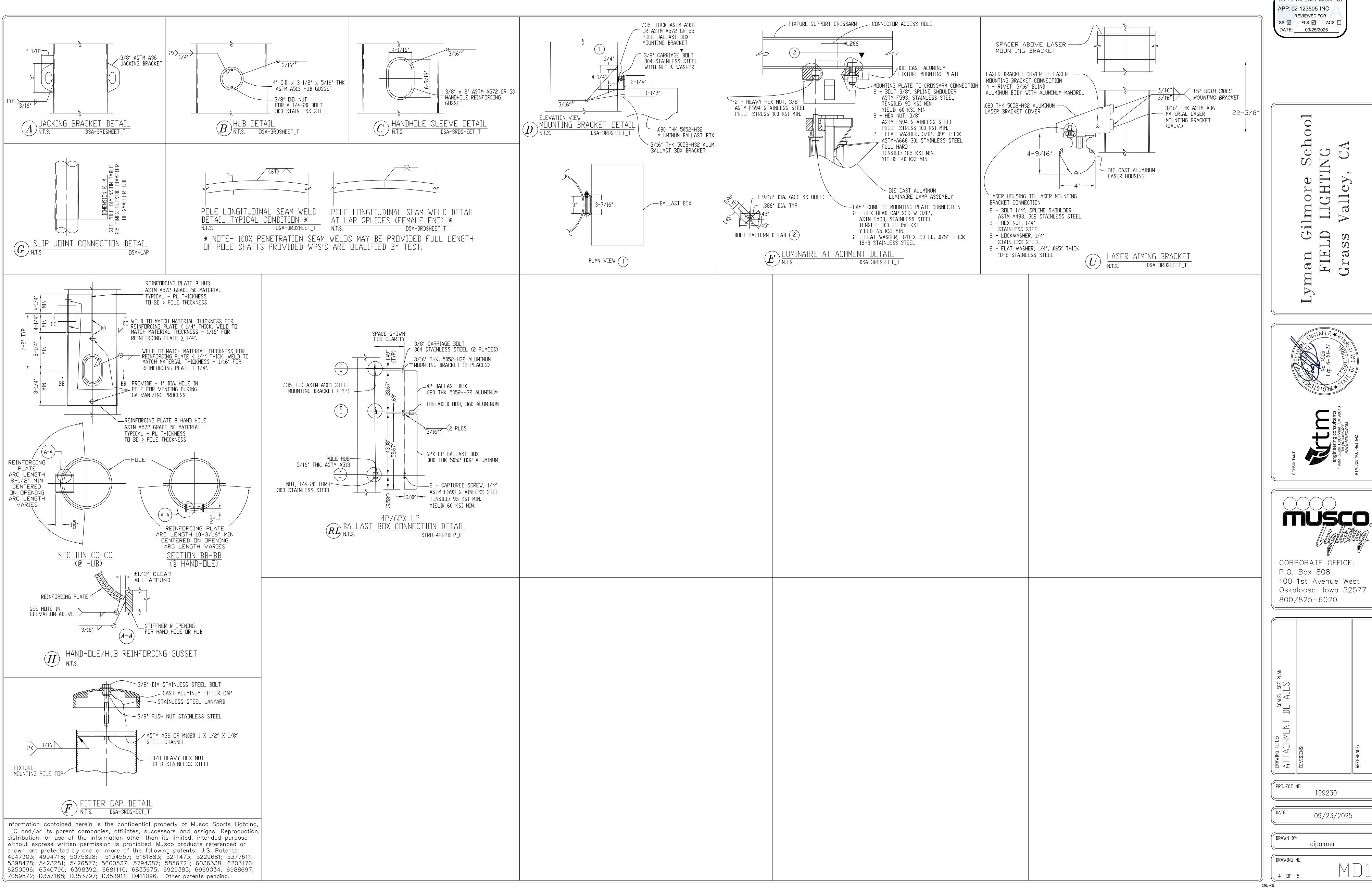
RECESS FOR LARGE COVER PLATE 10.13 X 3.63 WIDE X .25 DEEP

LARGE COVER PLATE, GALVANIZED STEEL 10.0 X 3.5 WIDE X .13 THICK

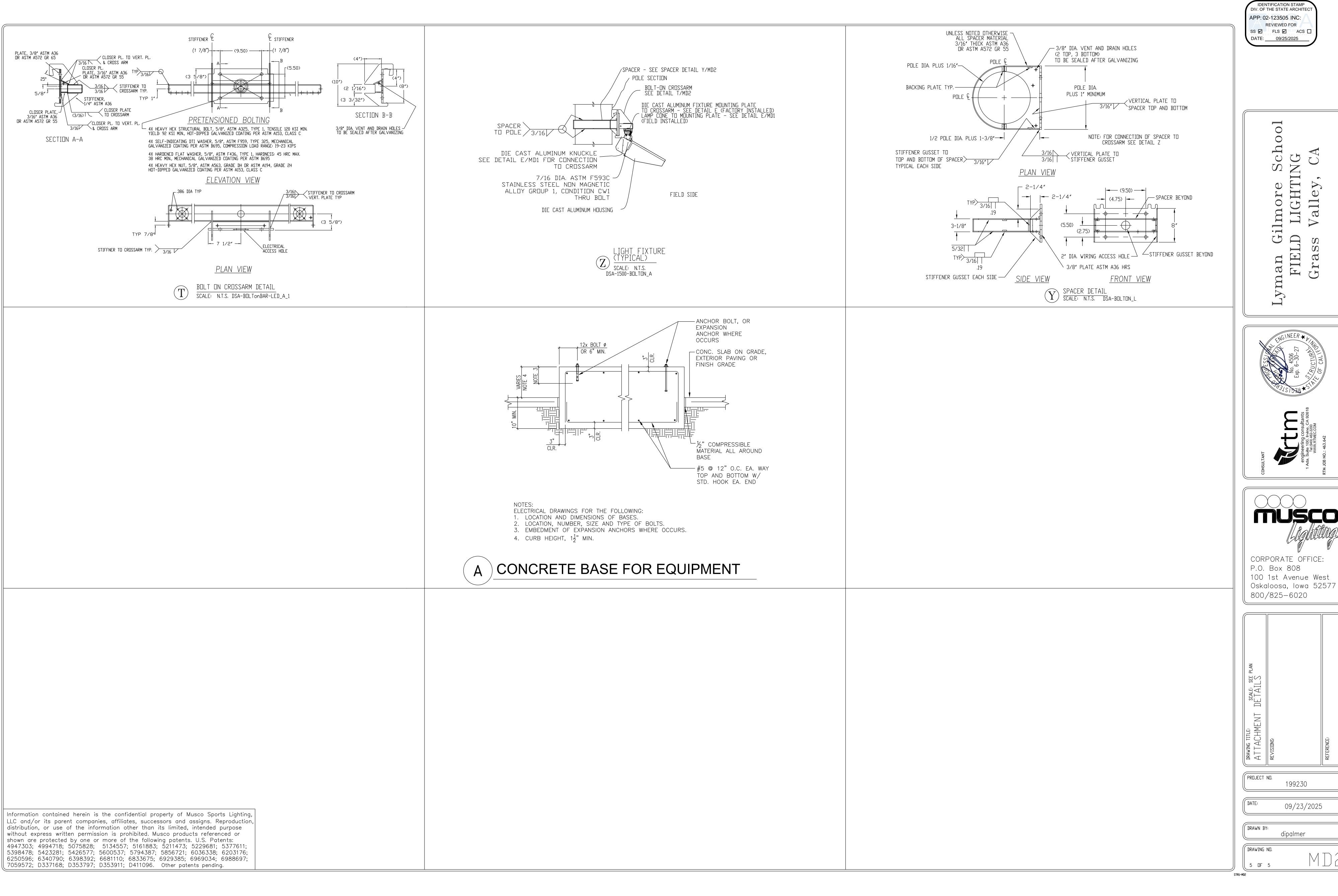


LSS70D POLE FRONT VIEW

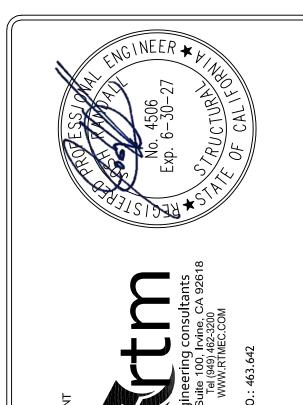
LSS70D POLE SIDE VIEW
N.T.S. DSA-70DBASE_A



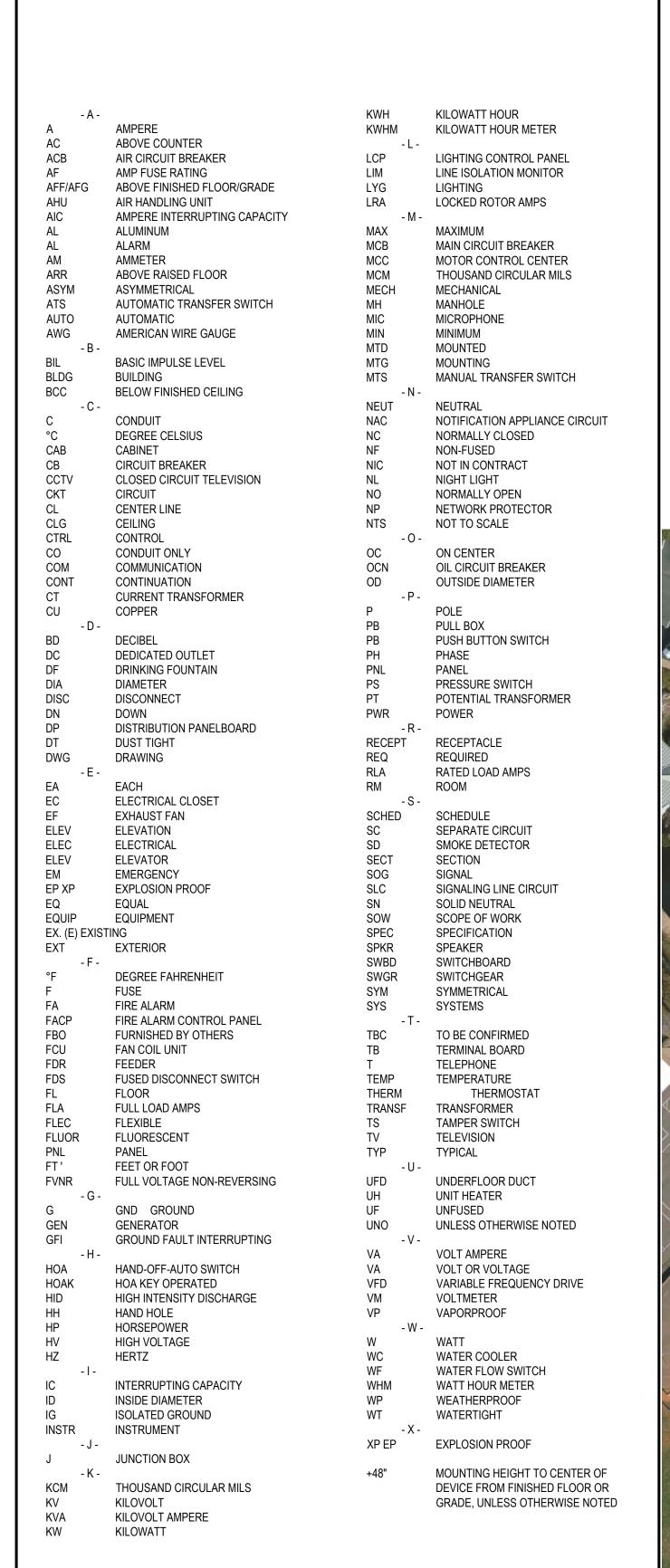
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC



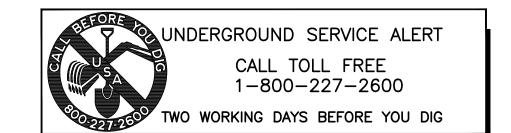
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-123505 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗌 DATE: <u>09/25/2025</u>







ABBREVIATIONS





10840 GILMORE WAY-MIN

Init Voltage 1.000 pu

Isc 3P 4.5 MVA

X/R SLG 40.0000

XFMR T-3048 LO %Z

Pri RatedVoltage 12470 V

Sec RatedVoltage 240 V

Ampacity 6.0 A

Ampacity Sec 312.5 A

%Z 1.4000 % X/R 3.2

1 -2-1/2" C Non-Magnetic

GND (No Parallel/Parallel) /

TW,PVC 220.0ft 210A

(1) SET(S) 350 kcmil

3-1/C Aluminum

CBL-0002

10840 GILMORE WAY -MAX

XFMR T-3048 -LO %Z

Pri RatedVoltage 12470 V

Sec RatedVoltage 240 V

Ampacity 6.0 A

Ampacity Sec 312.5 A

%Z 1.4000 % X/R 3.2

1 -2-1/2" C Non-Magnetic

GND (No Parallel/Parallel) /

TW,PVC 220.0ft 210A

(1) SET(S) 350 kcmil

3-1/C Aluminum

CBL-0001

Init Voltage 1.000 pu Isc 3P 500.0 MVA

Isc SLG 0.0 MVA X/R SLG 40.0000 10840 GILMORE WAY-MINO

Init Voltage 1.000 pu

Isc 3P 4.5 MVA Isc SLG 0.0 MVA

X/R SLG 40.0000

XFMR T-3048 HI %Z0

Pri RatedVoltage 12470 V

Sec RatedVoltage 240 V

75kVA Delta Delta

Ampacity 6.0 A

%Z 2.4000 % X/R 3.2

1 -2-1/2" C Non-Magnetic

GND (No Parallel/Parallel) /

TW,PVC 220.0ft 210A

(1) SET(S) 350 kcmil

3-1/C Aluminum

Ampacity Sec 312.5 A

10840 GILMORE WAY -MAX0

Init Voltage 1.000 pu

Isc 3P 500.0 MVA

X/R SLG 40.0000

Pri RatedVoltage 12470 V

XFMR T-3048 -HI %Z0

Sec RatedVoltage 240 V

Ampacity 6.0 A

Ampacity Sec 312.5 A

%Z 2.4000 % X/R 3.2

1 -2-1/2" C Non-Magnetic

GND (No Parallel/Parallel) /

TW,PVC 220.0ft 210A

(1) SET(S) 350 kcmil

3-1/C Aluminum

CBL-0003

Panel: LYMAN GILMORE MIDDLE SCHOO						Main B		200A	Lugs
			_			Feeder		1-LINE	•
Voltage:				Phase		Mountii	•	PEDESTA	Bus
Location:	ELEC.	RM.	4	Wire		AIC Ra	ting:	10KA	
				LT\$					
DESCRIPTION	CKT	BKR	P	LCL	REC	MISC	A-VA	B-VA	C-VA
SPORTS POLE #1	1	30	2				2620.8		
(TOTAL 6.989KW)	3							2620.8	
	5								1747.2
SPORTS POLE #2	7	30	2				1747.2		
(TOTAL 6.989KW)	on							2620.8	
	11								2620.8
SPORTS POLE #3	13	30	2				2620.8		
(TOTAL 6,989KW)	15							2620.8	
*****	17								1747.2
SPORTS POLE #4	19	30	2				2620.8		
(TOTAL 6.989KW)	21							1747.2	
	23								2620.8
SPORTS PANEL CONTROLS	25	20	1	ļ			200		
				ļ					
					S	ubtotal:	9809.6	9609.6	8736
				LTS					
DESCRIPTION	СКТ	BKR	P	LCL	REC	MISC	A-VA	B-VA	C-VA
SPARE	2	20	1				0		
SPARE	4	20	1		j			0	
PEDESTAL INTEGRAL CONV.OUTLET	6	20	1		1				1500
Blank (prepared space)	8						0		
Blank (prepared space)	10							0	
Blank (prepared space)	12								0
Blank (prepared space)	14						0		
Blank (prepared space)	16							0	
Blank (prepared space)	18								0
Blank (prepared space)	20						0		
Blank (prepared space)	22							0	
Blank (prepared space)	24								0
Blank (prepared space)	26						0		
				ļ					
				ļ					
						ubtotal:	0	0	1500
					√A per		9809.6	9609.6	10236
25% of Lighting Long Continuous Load:	(0				Amps:	82	80	85
25% of Other Long Continuous Load:		0		-		vg. VA:	9878	9878	9878
25% of Largest Motor:		0				Amps:	82	82	82
Less 50% >=10kVA 180VA Receptacles:		0				ted VA:	29,655		
Less 35% >=6 Kitchen Units.	(0	To	tal Con			82		
							AA AEE		
				Total (otal Calc	Calculat		29,655 82		

GENERAL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE, AND ALL OTHER CODES, ACTS, STANDARDS, REGULATIONS, ORDINANCES AND AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR SHALL CONDUCT FIELD COORDINATION AND REVIEW OF PLACEMENT OF ALL DEVICES WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH IN OF BOXES, CONDUITS AND SUPPORTS
- 3. CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE AND OPERABLE SYSTEMS. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY AND ALL DEFICIENCIES PRIOR TO BID.
- 4. THESE DRAWINGS AND SPECIFICATIONS ARE SUBJECT TO REVIEW AND APPROVAL BY THE AUTHORITY HAVING JURISDICTION

CODE COMPLIANCE

2022 CALIFORNIA ELECTRICAL CODE

SCOPE OF WORK

- PROVIDE NEW METERED TESCO SERVICE PEDESTAL
- 2. CONNECT TO EXISTING PG&E TRANSFORMER
- PROVIDE POWER TO MUCSO SPORTS LIGHTING SYSTEM, DESIGN BY MUSCO SPORTS LIGHTING, LLC., DRAWINGS INCLUDED IN THIS CONSTRUCTION PERMIT PACKAGE
- 4. PROVIDE POWER DISTRIBUTION FROM SPORTS LIGHTING PANEL TO LIGHTING EQUIPMENT
- 5. SEE MUSCO LIGHTING STRUCTURAL DRAWINGS FOR RELATED WORK.

DRAWING INDEX

- COVER SHEET
- ELECTRICAL SITE PLAN ELECTRICAL DETAILS
- MUSCO SPORTS LIGHTING DETAILS

LIGHTIN Ö ORTS

2025.09.09 DSA PC COMMENTS

2025.06.30 POWER STUDY RESULTS

) 2025.06.18 REVIEW & CONSTRUCTION

C 2025.05.13 REVIEW & CONSTRUCTION

B 2025.04.28 FOR CLIENT REVIEW

A 2025.04.25 FOR DESIGN REVIEW

COVER SHEET

E1

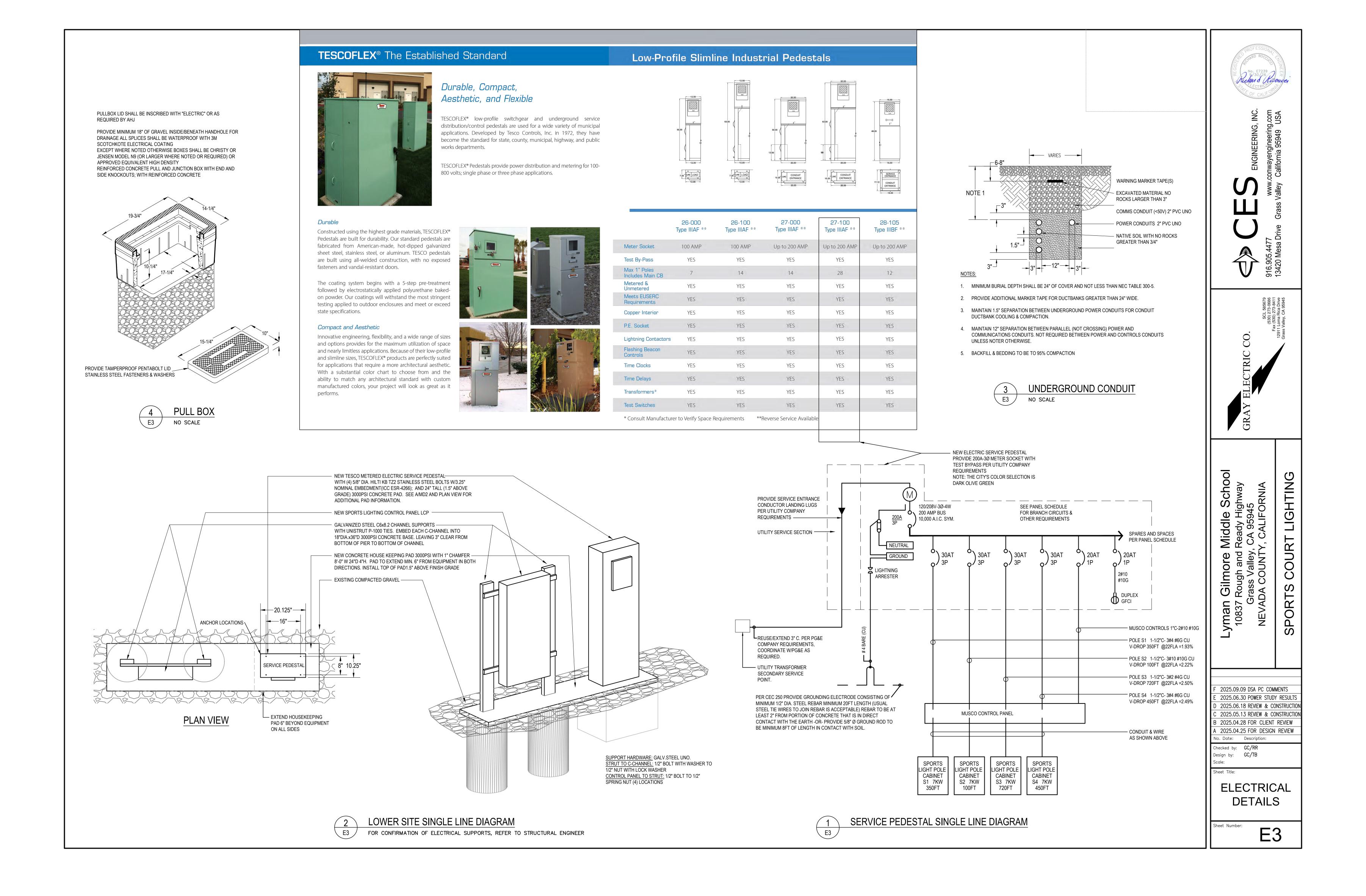
No. Date: Description: Checked by: GC/RR Design by: GC/TB

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DIV. OF THE STATE ARCHITECT

APP: 02-123505 INC:

REVIEWED FOR

SS FLS ACS
DATE: 09/25/2025



