

Proposed Marquee Sign for:
Bartlett Middle School

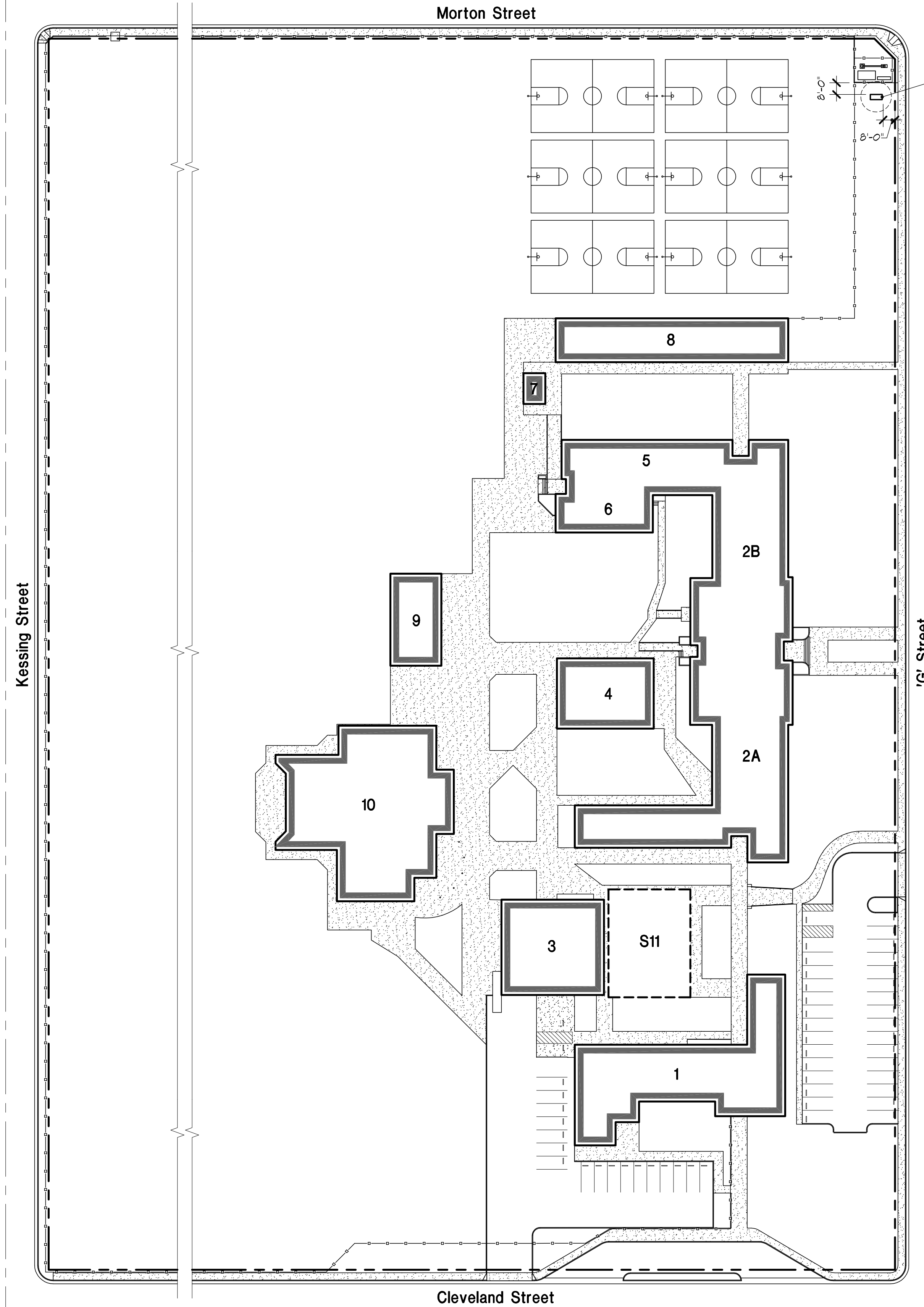
335 North 'G' Street
 Porterville, CA 93257

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IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-118589 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/25/2020

Reference Site Plan



Building Data

BLDG	DESCRIPTION	DSA #	MODERNIZED
1	ADMINISTRATION	1967	6055B
2A	CLASSROOMS	1967	6055B
2B	CLASSROOMS	1967	6055B
3	RELOCATABLE CLASSROOM	36519	
4	RELOCATABLE CLASSROOM	36519	
5	CLASSROOM	4153	6055B
6	CLASSROOMS	3576	6055B
7	CLASSROOM	7441	
8	RELOCATABLE CLASSROOM	7441	
9	CLASSROOM	62307	
10	CAFETERIA/MULTI-USE	64792	
11S	SHADE STRUCTURE	36519	

General Notes

- THE LATEST ADOPTED EDITIONS OF CODES, STANDARDS, AND REGULATIONS REQUIRED BY THE LOCAL JURISDICTION SHALL GOVERN ALL WORK SHOWN IN CONSTRUCTION DOCUMENTS.
- ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE LATEST ADOPTED EDITIONS OF THE CALIFORNIA BUILDING CODE (CBC) TITLE 24 BY DSA WHICH INCLUDES:
 - CALIFORNIA ADMINISTRATIVE CODE (CAC) PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) 2019
 - CALIFORNIA BUILDING CODE VOL. 142 PART 2, TITLE 24, CCR (2018 IBC WITH CALIFORNIA AMENDMENTS) 2019
 - CALIFORNIA ELECTRICAL CODE PART 3, TITLE 24, CCR (2017 NEC WITH CALIFORNIA AMENDMENTS) 2019
 - CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24, CCR (2018 IAPMO UMC WITH CALIFORNIA AMENDMENTS) 2019
 - CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24, CCR (2018 IAPMO UPC WITH CALIFORNIA AMENDMENTS) 2019
 - CALIFORNIA ENERGY CODE PART 6, TITLE 24, CCR (2019 CALIFORNIA ENERGY COMMISSION BUILDING ENERGY EFFICIENCY STANDARDS) 2019
 - CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24, CCR (2018 IFCC WITH CALIFORNIA AMENDMENTS) 2019
 - CALIFORNIA EXISTING BUILDING CODE (CEBC) PART 10, TITLE 24, CCR (2018 INTERNATIONAL EXISTING BUILDING CODE AND CALIFORNIA AMENDMENTS) 2019
 - CALIFORNIA GREEN CODE PART 11, TITLE 24, CCR
 - CALIFORNIA REFERENCED STANDARDS CODE PART 12, TITLE 24, CCR NFPA 15-2016 NFPA 12-2016
 - REFERENCE CODE SECTION FOR APPLICABLE STANDARDS 2019 CBC, CHAPTER 35 2019 CFC, CHAPTER 80 CALIFORNIA FIRE CODE CHAPTER 80
- THESE DRAWINGS SHALL BE CONSIDERED SUBSTANTIALLY COMPLETE. HOWEVER, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE ALL LABOR AND MATERIALS NECESSARY TO RENDER THE WORK COMPLETE, AS IS THE INTENT OF THESE DRAWINGS, EITHER SHOWN OR IMPLIED HEREIN, THROUGH PROPER ESTABLISHED CONSTRUCTION PRACTICES.
- CONSTRUCTION DOCUMENTS (DRAWINGS) ARE NOT TO BE SCALED. WRITTEN DIMENSIONS SHALL GOVERN.
- ANY AND ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION PRIOR TO COMMENCEMENT OF ANY WORK. ALL SUCH NOTIFICATIONS TO THE ARCHITECT SHALL BE SUBMITTED IN TYPE WRITTEN FORM.
- GENERAL CONTRACTOR SHALL VISIT THE PROJECT SITE AND VERIFY ALL EXISTING BUILDING SITE DIMENSIONS FOR ACCURACY WITH CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO SUBMISSION OF BIDS AND START OF CONSTRUCTION.
- THIS PERMIT DOES NOT INCLUDE ANY HIGH-PILED STORAGE OR RACK STORAGE. ANY SUCH PROPOSED STORAGE WILL REQUIRE PLANS SUBMITTED FOR REVIEW AND APPROVAL AND ISSUANCE OF PERMITS (CFC 315).
- NO SUBSTITUTIONS ALLOWED EXCEPT BY ADDENDA THROUGH DSA.
- A 'DSA CERTIFIED' PROJECT INSPECTOR EMPLOYED BY THE 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.
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- 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. (SECTION 4-311(C), PART 1, TITLE 24, CCR)
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGED DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24 CCR.
- TESTING LAB TO BE DSA/LEA LABORATORY EVALUATION ACCEPTANCE PROGRAM APPROVED.

Project Directory

Architect:
 IT ARCHITECTURE
 1465 NORTH VAN NESS AVENUE
 FRESNO, CALIFORNIA 93720
 phone: (559) 442-4642
 fax: (559) 465-9081
 CONTACT: Ian Robertson
 email: ian@itarchinc.com

Contractor:
 FRESNO NEON SIGN CO. INC.
 5901 E. CLINTON AVE.
 FRESNO, CALIFORNIA 93727
 phone: (559) 242-2944
 CONTACT: KG Rutledge
 email: kg@fresneon.com

Owner:
 PORTERVILLE UNIFIED SCHOOL DISTRICT
 600 WEST GRAND STREET
 PORTERVILLE, CALIFORNIA 93257
 phone: (559) 754-6616
 CONTACT: Gerard Homer
 email: ghomers@gmail.com

Structural Engineer:
 GERARD HOMER AND ASSOC.
 16765 SYPERT SCHOOL RD.
 HOLLAND, TX, 76634
 phone: (559) 754-6616
 CONTACT: Gerard Homer
 email: ghomers@gmail.com

Vicinity Map



Project Description

THIS PROJECT IS SPECIFIC TO THE INSTALLATION OF ONE NEW PRE-MANUFACTURED PYLON SIGN AND ASSOCIATED POWER.

- ELECTRICAL PANEL IS EXISTING AND HAS ADEQUATE CAPACITY TO SERVE THE NEW PYLON SIGN.
- EXCAVATION IS LIMITED TO THE FOUNDATION. PEDESTRIAN PATHS OF TRAVEL ARE NOT EFFECTED BY THIS WORK.

Project Data

ADDRESS: 335 NORTH 'G' STREET
 PORTERVILLE, CA 93208

OWNER: PORTERVILLE UNIFIED SCHOOL DISTRICT

DISTRICT CODE: 75523

OPSC PTN: 75523-61

APN: 252-240-008, 252-240-018, AND 252-292-001

DSA FILE#: 54-76

DSA APP. #: 02-118589



1465 North Van Ness Avenue
 Fresno, California 93728
 559-442-4642 voice
 559-465-9081 fax

New Marquee Sign For:
 Bartlett Middle School
 335 North 'G' Street
 Porterville, CA 93257

Porterville Unified
 School District
 600 W. Grand Avenue
 Porterville, CA 93257

Publishing Status

Schematic	
Design Developm't.	5/7/2020
Site Plan Review	
Bidding	
Plan Check	10/12/20

Revisions 11/19/20



Scale AS NOTED

Project Manager IAN ROBERTSON

Project Number 19-051

Sheet 1 of 11

Cover Sheet

T-1.0

ALL PERMITS, ORDINANCES, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY THE ARCHITECTURE. NO PART OF THIS DRAWING SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECTURE. INCORPORATED. THESE DRAWINGS OR SPECIFICATIONS WITH ANY PUBLIC AGENCY IS NOT PERMISSIBLE WITHOUT THE CONSENT OF THE ARCHITECTURE. INCORPORATED.

ALL DETAILS, PRELIMS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF IT ARCHITECTURE INCORPORATED OR CONSULTANTS AND HERE GRANTED BY LICENSE AND NOT TO BE REPRODUCED FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF IT ARCHITECTURE INCORPORATED OR CONSULTANTS. ANY REPRODUCTION OR USE THEREOF IS PROHIBITED WITHOUT THE CONSENT OF IT ARCHITECTURE INCORPORATED.

Applicable Code: 2019 CBC 02/05/2020 Revised: 02/14/2020

MEP Component Anchorage Note

All mechanical, plumbing, and electrical components shall be anchored and installed per the details on the DSA-approved construction documents. The following components shall be anchored or braced to meet the force and displacement requirements prescribed in the 2019 CBC Sections 1617A.1.18 through 1617A.1.29 and ASCE 7-16 Chapters 13, 26, and 30:

1. All permanent equipment and components.
2. Temporary, movable or mobile equipment that is permanently attached (e.g. hard wired) to the building utility services such as electricity, gas or water. "Permanently attached" shall include all electrical connections except plugs for 110V/200 volt receptacles having a flexible cable.
3. Temporary, movable or mobile equipment which is heavier than 400 pounds or has a center of mass located 4 feet or more above the adjacent floor or roof level that directly support the component is required to be restrained in a manner approved by DSA.

The following mechanical and electrical components shall be positively attached to the structure but need not demonstrate design compliance with the references noted above. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit. Flexible connections must allow movement in both transverse and longitudinal directions.

- A. Components weighing less than 400 pounds and having a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.
- B. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.

The anchorage of all mechanical, electrical and plumbing components shall be subject to the approval of the design professional in general responsible charge or structural engineer delegated responsibility and acceptance by DSA. The project engineer will verify that all components and equipment have been anchored in accordance with the above requirements.

Piping, Ductwork, and Electrical Distribution System Bracing Note

Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-16 Section 13.3 as defined in ASCE 7-16 Sections 13.6.5, 13.6.6, 13.6.7, 13.6.8, and 2019 CBC, Sections 1817A.1.24, 1617A.1.25 and 1617A.1.26.

The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a preapproved installation guide (e.g., OSHPD OPM for 2013 CBC or later), copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start of and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.

Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E):

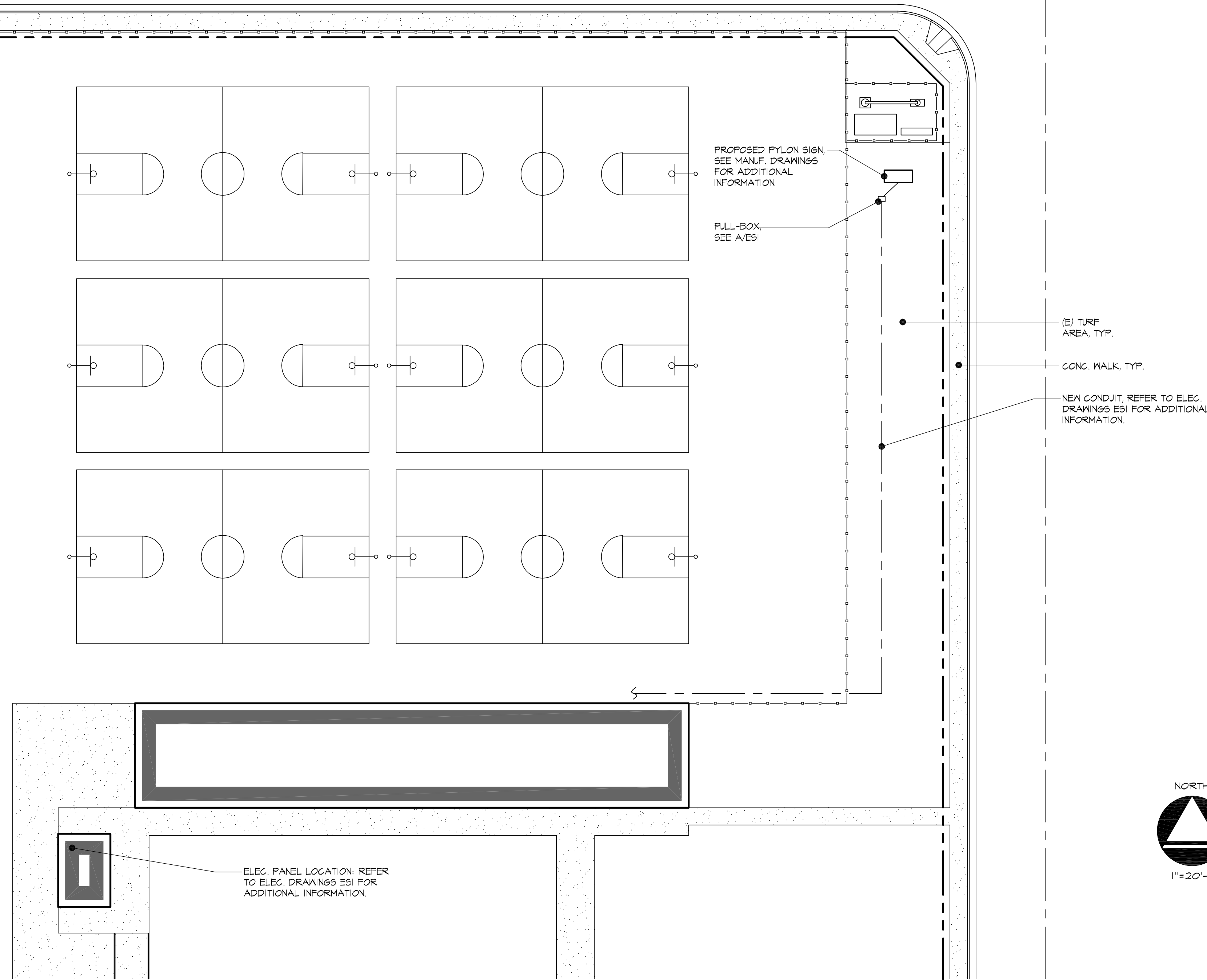
MP MD PP E Option 1: Detailed on approved drawings with project specific notes and details.

MP MD PP E Option 2: Shall comply with the applicable OSHPD Pre-Approval (OPM #)

Elec. Anchorage Note

Elec. Component Anchorage	NONE	1
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Partial Site Plan - Electrical



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DATE: 11/25/2020



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559-442-4642 voice
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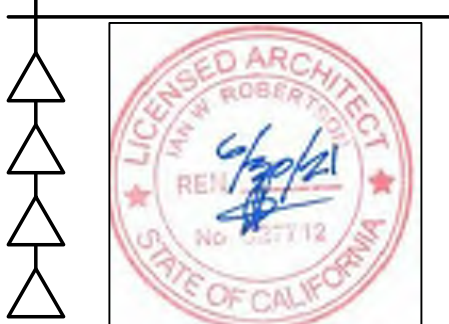
Project
New Marquee Sign For:
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335 North 'G' Street
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Owner
Porterville Unified
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600 W. Grand Avenue
Porterville, CA 93257

Publishing Status

Schematic	
Design Developm't.	5/7/2020
Site Plan Review	
Bidding	
Plan Check	10/12/20

Revisions 11/19/20



Scale
AS NOTED

Project Manager
IAN ROBERTSON

Project Number
19-051

Sheet 2 of 7

A-0.1

Electrical: Partial Site, Details

ALL PERMITS, ORDINANCES, REGULATIONS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE CONTROLLED BY AND THE PROPRIETARY OF IT ARCHITECTURE INC. ANY REVISIONS, AMENDMENTS, OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON WITHOUT THE WRITTEN PERMISSION OF IT ARCHITECTURE INC. THESE DRAWINGS OR SPECIFICATIONS WITH ANY PUBLIC AGENCY IS NOT PUBLICATION OR USE THEREOF IS FORWARDED TO ANY PUBLIC AGENCY WITHOUT THE CONSENT OF IT ARCHITECTURE INCORPORATED.

ADSA 403-B

2019 ENERGY CODE - CERTIFICATES OF COMPLIANCE CHECKLIST

PERFORMANCE METHOD (for Prescriptive Method, use Form DSA 403-A)

PURPOSE
This checklist identifies the 2019 California Energy Code Certificates of Compliance to be submitted with the Plans as part of the plan review process for a conditioned building pursuing compliance through the Performance Method.

INSTRUCTIONS
Check the appropriate boxes for all required forms pertaining to the submittal. All required information and mandatory measures must be specified in the plans, and all copies of the Certificates of Compliance required for the Project must be submitted in PDF form and a copy of the Certificates of Compliance must be provided in the Plans. The Prescriptive Certificates of Compliance are dynamic and expand or collapse based on the project scope.

For all conditioned buildings pursuing the Performance Method, the following forms are required with the submittal: Performance Certificate of Compliance (PRF), Commissioning (CXR), Solar (SRA), Outdoor Lighting (LTO), and Electrical Power Distribution (ELC). Indoor Lighting (LTI) is required if there is indoor lighting in an unconditioned space. Plumbing (PLB) is required for each water heater specified in the Project. NRCC-LTS-E is required if internally illuminated or externally illuminated signs are specified either indoors or outdoors in the Project. NRCC-PRC-E is required for Covered Process specified in the Project, which includes computer rooms, data centers, elevators, escalators and moving walkways, laboratories, enclosed parking garages, commercial kitchens, refrigerated warehouses, commercial refrigeration, compressed air systems, or process boilers.

For questions about required Certificates of Compliance and compliance with the California Energy Code contact the Energy Standards Hotline - 1 (800) 772-3300; Outside California: (916) 654-5106. For additional information see www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2019-building-energy-efficiency-1

Key: R = Report Required P = Copy of Form Required on Plans Review will not commence until this checklist and all required Certificates of Compliance are submitted.	
COMMISSIONING	R <input type="checkbox"/> NRCC-CXR-E Building Commissioning P <input type="checkbox"/> Sheet # in the plans:
PERFORMANCE	R <input type="checkbox"/> NRCC-PRF-E Performance Certificate P <input type="checkbox"/> Sheet # in the plans:
INDOOR LIGHTING	R <input type="checkbox"/> NRCC-LTI-E Indoor Lighting P <input type="checkbox"/> Sheet # in the plans:
OUTDOOR LIGHTING	R <input type="checkbox"/> NRCC-LTO-E Outdoor Lighting P <input type="checkbox"/> Sheet # in the plans:
SOLAR READY	R <input type="checkbox"/> NRCC-SRA-E Solar Ready P <input type="checkbox"/> Sheet # in the plans:

D6S DSA 403-B (rev 01/06/20) DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 2

DSA 403-A 2019 ENERGY CODE - CERTIFICATES OF COMPLIANCE CHECKLIST

ELECTRICAL POWER DISTRIBUTION	R <input type="checkbox"/> NRCC-ELC-E Electrical Power Distribution P <input type="checkbox"/> Sheet # in the plans:
PLUMBING	R <input type="checkbox"/> NRCC-PLB-E Plumbing P <input type="checkbox"/> Sheet # in the plans:
SIGN LIGHTING	R <input checked="" type="checkbox"/> NRCC-LTS-E Sign Lighting P <input checked="" type="checkbox"/> Sheet # in the plans: CG-1
COVERED PROCESSES	R <input type="checkbox"/> NRCC-PRC-E Covered Process P <input type="checkbox"/> Sheet # in the plans:

As the Professional in General Responsible Charge, I have reviewed the Project Plans and affirm that the documentation submitted is in compliance with the requirements of the 2019 California Energy Code (Title 24, Part 6). The documents checked on pages 1 and 2 of this form are included in the project submittal. I further acknowledge that upon installation of equipment and material identified on compliance forms, I will ensure that the appropriate installation and acceptance tests are conducted and the associated forms completed, signed, and submitted to the owner, and that the completed construction complies with the 2019 California Energy Code Building Energy Efficiency Standards.

Signature: Ian Robertson Date: 05/08/20
Print Full Name: Ian Robertson

D6S DSA 403-A (rev 01/06/20) DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 2 of 2

STATE OF CALIFORNIA
Sign Lighting
CALIFORNIA ENERGY COMMISSION
NRCC-LTS-E (rev 01/11/19) Page 3 of 4
CERTIFICATE OF COMPLIANCE
Project Name: Proposed Marquee Sign for Bartlett Middle School Report Page: 3 of 4
Project Address: 600 W. Grand Ave, Porterville, CA 93257 Date Prepared: 5/11/20

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
This table is used to demonstrate compliance with requirements in §110.3, §110.12, §130.0, §130.3, §140.8, and §191.0(b)(2)(M) for sign lighting scopes using the prescriptive path. Exit signs and traffic signs are not required to comply with prescriptive requirements per exceptions to §140.8 and do not need to complete this compliance document.

YES	NO	Form Title	Field Inspector	
			Pass	Fail
#	C	NRCC-LTS-E - Must be submitted for all buildings.	<input type="checkbox"/>	<input type="checkbox"/>

II. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
There are no Certificates of Acceptance applicable to sign lighting requirements.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
Sign Lighting
CALIFORNIA ENERGY COMMISSION
NRCC-LTS-E (rev 01/11/19) Page 4 of 4
CERTIFICATE OF COMPLIANCE
Project Name: Proposed Marquee Sign for Bartlett Middle School Report Page: 4 of 4
Project Address: 600 W. Grand Ave, Porterville, CA 93257 Date Prepared: 5/11/20

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Kimberly Rutaga Documentation Author Signature: *Kimberly Rutaga*
Company: Fresno Neon Sign Company Signature Date: 5/11/20
Address: 5901 E. Clinton Ave CEA/HERC Certification Identification (if applicable): n/a
City/State/Zip: Fresno CA 93272 Phone: 559-292-2944

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Kimberly Rutaga Responsible Designer Signature: *Kimberly Rutaga*
Company: Fresno Neon Sign Company Date Signed: 5/11/2020
Address: 5901 E. Clinton Ave License: 193265 C-45
City/State/Zip: Fresno CA 93272 Phone: 559-292-2944

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
Sign Lighting
CALIFORNIA ENERGY COMMISSION
NRCC-LTS-E (rev 01/11/19) Page 1 of 4
CERTIFICATE OF COMPLIANCE
This document is used to demonstrate compliance with requirements in §110.3, §110.12, §130.0, §130.3, §140.8, and §191.0(b)(2)(M) for sign lighting scopes using the prescriptive path. Exit signs and traffic signs are not required to comply with prescriptive requirements per exceptions to §140.8 and do not need to complete this compliance document. **WARNING:** Changing the Compliance Method in this table will result in the deletion of data previously input. If you need to change the compliance method, please open a new form or use "Save As".

A. GENERAL INFORMATION

01 Project Location (City) Porterville CA
02 Climate Zone 7
03 Building is a healthcare facility

B. PROJECT SCOPE
Table Instructions: Include any illuminated signs that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.8 or §191.0(b)(2)(M) for alterations. Exit signs and traffic signs are not required to comply with prescriptive requirements per exceptions to §140.8 and do not need to complete this compliance document. **WARNING:** Changing the Compliance Method in this table will result in the deletion of data previously input. If you need to change the compliance method, please open a new form or use "Save As".

01	02	03	04	05
Name or Item Tag	Complete Sign Description	Sign Status ¹	Sign Type	Compliance Method ²
	Marquee Sign	New	Elec. Message Center	Alternate Light Sources

FOOTNOTE: Sign alterations that increase the connected lighting load, replace and twice more than 50% of the ballasts, or relocate the sign to a different location must comply with §140.8. See §141.0(b)(2)(M) for more details.
¹The ENERGY VERIFIED Label compliance method is only applicable if the sign has a permanent, factory-installed, ENERGY VERIFIED label certified by UL or comparable, confirming the sign complies with §140.8. Note that using an ENERGY VERIFIED label is an optional compliance path, not a mandatory requirement. See the tool tips for this table for more details.

C. COMPLIANCE RESULTS
Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D for guidance.

01	02	03	04	05	06	07
Name or Item Tag (See Table B)	Complete Sign Description (See Table B)	Total Allowed (Watts) (See Table F)	Total Designed (Watts) (See Table F)	Compliant Light Sources (See Table G)	ENERGY VERIFIED Label (See Table H)	Compliance Results
	Marquee Sign	≥	≥	OR YES OR	OR	COMPLIES
Controls Compliance (See Table F/G/H for Details)						COMPLIES

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
Sign Lighting
CALIFORNIA ENERGY COMMISSION
NRCC-LTS-E (rev 01/11/19) Page 2 of 4
CERTIFICATE OF COMPLIANCE
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D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. MAXIMUM ALLOWED LIGHTING POWER AND CONTROLS
This Section Does Not Apply

G. LIGHT SOURCES AND CONTROLS
Table Instructions: Complete this table for illuminated signs using the Alternate Lighting Sources compliance method per §140.8(b) as indicated on Table B of this compliance document. Also demonstrate compliance with mandatory controls requirements from §130.3 by indicating control types for each sign.

01	02	03	04	05
Name or Item Tag	Complete Sign Description	Compliant Light Sources ¹	Mandatory Controls	Field Inspector Pass/Fail
	Marquee Sign	LED+ pwr supply 80%+ eff.	Shut-Off Dimming Demand Response ³	<input type="checkbox"/>

***NOTE:** Selections with a * require a note in the space below explaining how compliance is achieved.
Ex: Sign within tunnel illuminated day & night; EXCEPTION to §130.2(a)(2).
FOOTNOTE: Drop-down choices have been abbreviated, please refer to §140.8(b) to confirm compliance with the specific light source technologies listed.
¹ Authority having jurisdiction may ask for cutsheets to confirm compliance of light source.
² Demand response controls are only required for an Electronic Message Center having a new connected lighting power load greater than 15 kW per §130.3(d).

H. ENERGY VERIFIED LABELED SIGNS AND CONTROLS
This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

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Schematic	
Design Develop'mt.	5/14/20
Site Plan Review	
Bidding	
Plan Check	10/12/20



Scale: NTS
Project Manager: IAN ROBERTSON
Project Number: 19-051

Sheet 3 of 11
CG-1

Energy Forms

Z:\Drawing\Jobs\95A\SCH005\VALLEY\PS\SD\Bartlett Middle School - Marquee\EG1.dwg DATE: 11/04/20 BY: Nicole DATE PLOTTED: 11/04/20 JOB #: 20-009-05

Revisions

IDENTIFICATION STAMP
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NEW MARQUEE SIGN FOR
BARTLETT MIDDLE SCHOOL
FOR
PORTERVILLE UNIFIED SCHOOL DISTRICT
PORTERVILLE, CALIFORNIA



Rose Sing and Associates, Inc.
Electrical Consultants
131 S. Dunworth St. • Visalia, CA 93292-6705
Phone: (559) 733-2671 • Fax: (559) 733-0372



Project No.: 20-009

Drawn by: NS

Checked by: DS

Date: 11-4-20

Title:
ELECTRICAL
SYMBOLS, CODES,
PANEL SCHEDULE
AND DETAILS

Sheet No.

EG1

of Sheets

CODE, RULES AND REGULATIONS

ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST REGULATIONS OF THE STATE FIRE MARSHAL, CALIFORNIA CODE OF REGULATIONS, SERVING UTILITY COMPANIES AND OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THESE CODES, WHERE WORK OF A HIGHER DEGREE IS INDICATED IN THE PLANS OR SPECIFICATIONS THIS REQUIREMENT SHALL GOVERN.

ELECTRICAL SYMBOLS

(—)	ABOVEGROUND CONDUIT RUN
(- - -)	UNDERGROUND CONDUIT RUN
(W.P.)	WEATHERPROOF JUNCTION BOX WITH GASKETED BLANK COVER
(1)	ELECTRICAL KEYNOTE #1, REFER TO NOTES ON SAME SHEET.
U.O.N.	UNLESS OTHERWISE NOTED
W.P.	WEATHERPROOF
(=)	EXISTING ELECTRICAL PANELBOARD

(G.E. SERVICE CENTER #97215150)

120/240	VOLTS	1	Ø 3	WIRE	18,000	BREAKER A.I.C.
100	A. BUSSING	Ø0	PRL/70	SEC. A. MAIN BRKS.	14"	MAX. ENCL. DEPTH
12	CIRCUIT				SURFACE	MOUNTING
	BOLT-ON CKT BRKS/PNLBD				NEMA 3R	(A), (D)

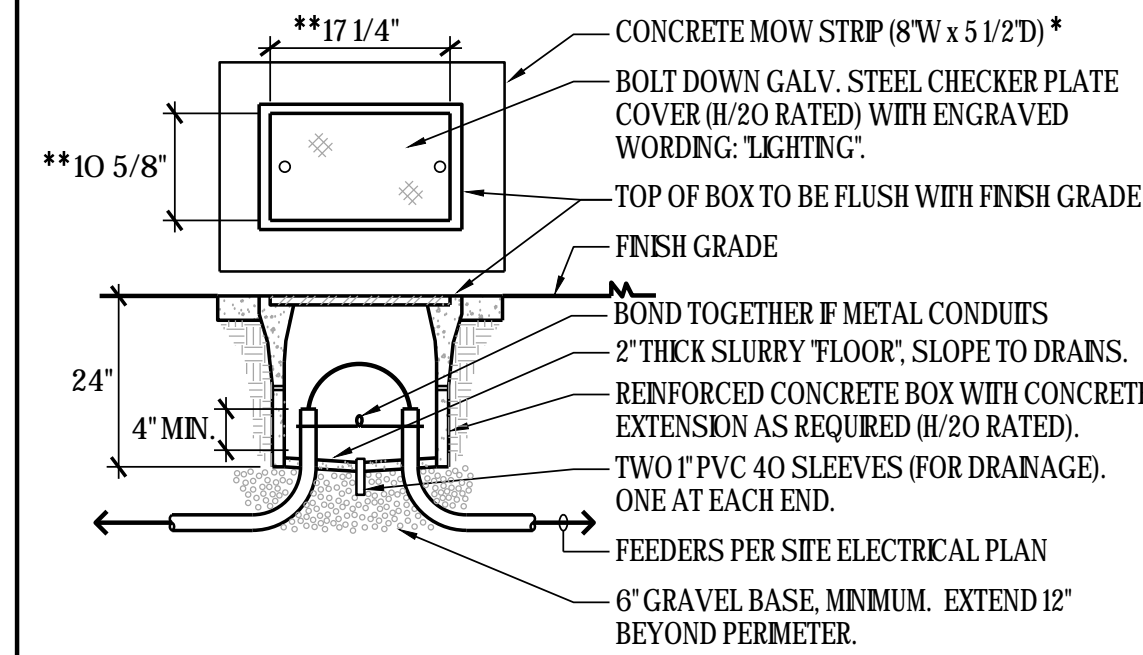
EXISTING PANEL 'LT'

CR.	BR.	LOAD V.A.	ØA	ØB	DESCRIPTION	DESCRIPTION	LOAD V.A.	ØA	ØB	CR.
1	Ø1	2025			EXISTING HAND DRYER - GIRLS	EXISTING HAND DRYER - BOYS	2025			2
3		2025			EXISTING HAND DRYER - GIRLS	EXISTING HAND DRYER - BOYS	2025			4
5		1620			MARQUEE - L.E.D. MESSAGE BOARD	EXISTING LIGHTS		385		6
7		600			MARQUEE - L.E.D. SCHOOL SGN. TIMECLOCK	EXISTING EXHAUST FAN, EF-1	700			8
9					SPARE	SPACE				10
11					SPACE	EXISTING TRAP PRIMER	240			12

TOTAL LOAD: ØA: 6,055 V.A. ØB: 5,590 V.A.
L.C.L. x 25%: 505 V.A. 325 V.A.
6,560 V.A. 5,915 V.A.
55 A 49 A

TYPICAL PANEL SCHEDULE NOTES:

- (A) ALL CIRCUIT BREAKERS ARE EXISTING.
- (B) MOVE EXISTING 'SPARE' 20/1 CIRCUIT BREAKER TO 'IDLE' SPACE AT CKT #12. CONNECT EXISTING CONDUCTOR FROM CKT #7, TO THIS CIRCUIT BREAKER. PROVIDE A NEW FRONT FILLER PLATE TO BLANK OFF 'IDLE' OPENING AT CKT #10.
- (C) DISCONNECT EXISTING 'RED' CONDUCTOR, FOR THE TRAP PRIMER, AND RECONNECT IT TO THE RELOCATED 20/1 CIRCUIT BREAKER AT CKT #12.
- (D) PROVIDE A NEW PLASTIC LAMINATED CIRCUIT DIRECTORY.

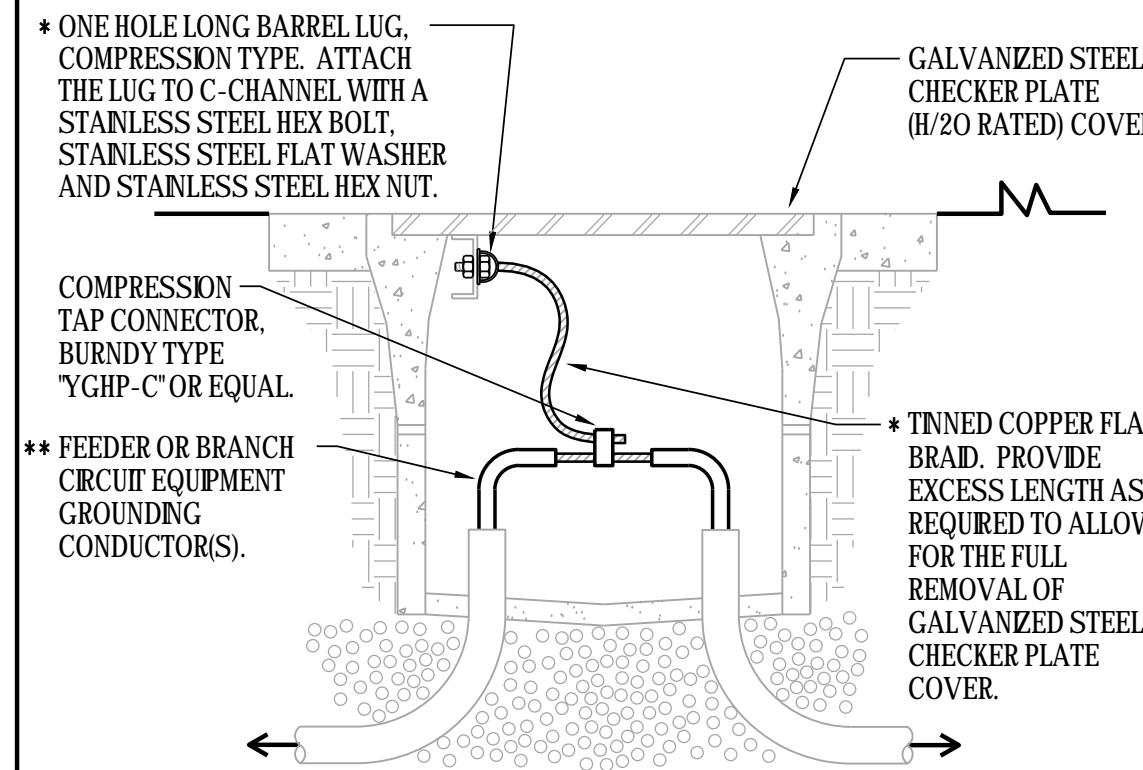


* NOTE: WHERE PULL BOX IS ADJACENT TO CONCRETE WALK, EXTEND MOWSTRIP TO CONNECT WITH WALK. FOAM SEAL ALL CONDUITS IN YARD BOXES.
 ** NOTE: INTERIOR DIMENSIONS MEASURED AT 'OPENING' OF PULL BOX.

1 PULL BOX 'L1' MOUNTING

(SIMILAR FOR PULL BOXES L2 AND L3)

NTS



* THIS TYPICAL WORK SHALL BE PROVIDED FOR EACH SECTION OF A MULTIPLE SECTION COVER.

** THIS TYPICAL WORK SHALL BE DONE FOR EACH OF THE LARGEST FEEDER (OR BRANCH CIRCUIT) EQUIPMENT GROUNDING CONDUCTOR, PASSING THRU THE RESPECTIVE PULL BOX, WHICH ORIGINATE FROM SEPARATE SOURCES/VOLTAGES.

MATRIX FOR TINNED COPPER FLAT BRAID

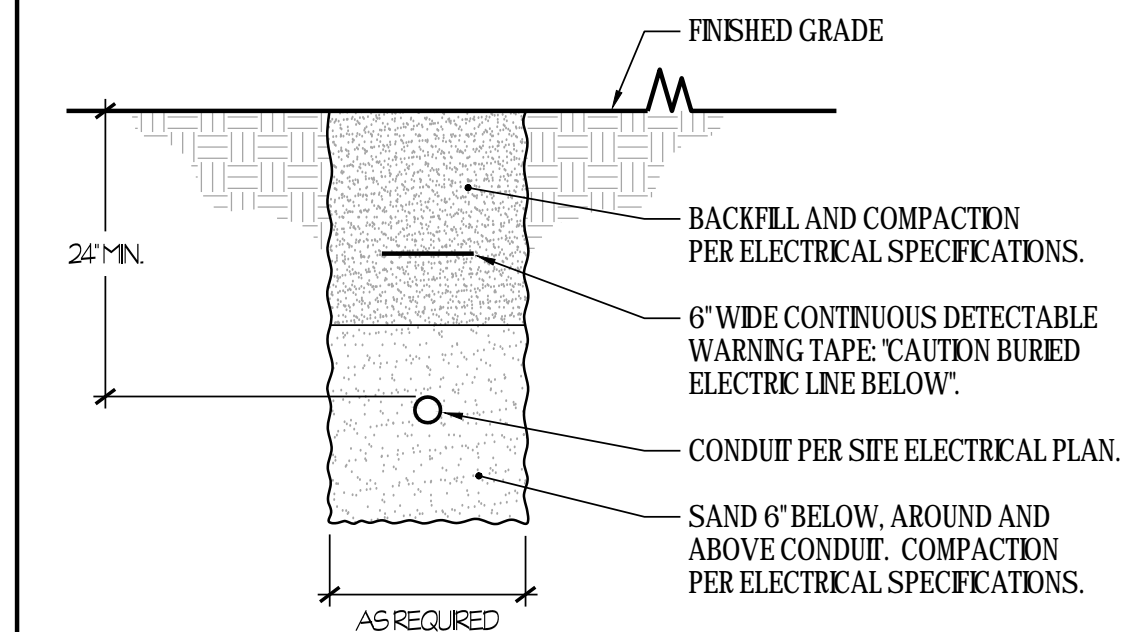
SIZE OF EQUIPMENT GROUNDING CONDUCTOR (a)	ALPHA WIRE PART #	OLYMPIC WIRE AND CABLE PART #
#8	1233	708
#6	1235	710
#4	1239	710
#2 THRU #1/0	1240	713
#2/0 THRU #4/0	1241	714

(a) CONTAINED IN THE LARGEST FEEDER (OR BRANCH CIRCUIT) PASSING THRU THE RESPECTIVE PULL BOX.

2 BONDING OF STEEL CHECKER PLATE COVERS

(AT ALL PULL BOXES)

NTS

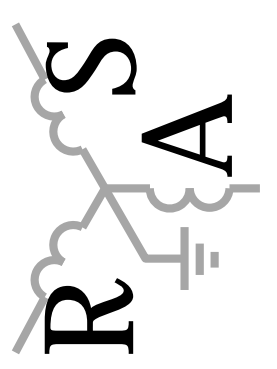


3 TRENCH DETAIL

NTS

Rose Sing and Associates, Inc.
Electrical Consultants
131 S. Dunworth - (559) 733-2671
Visalia, California 93292-6705





GENERAL NOTE:

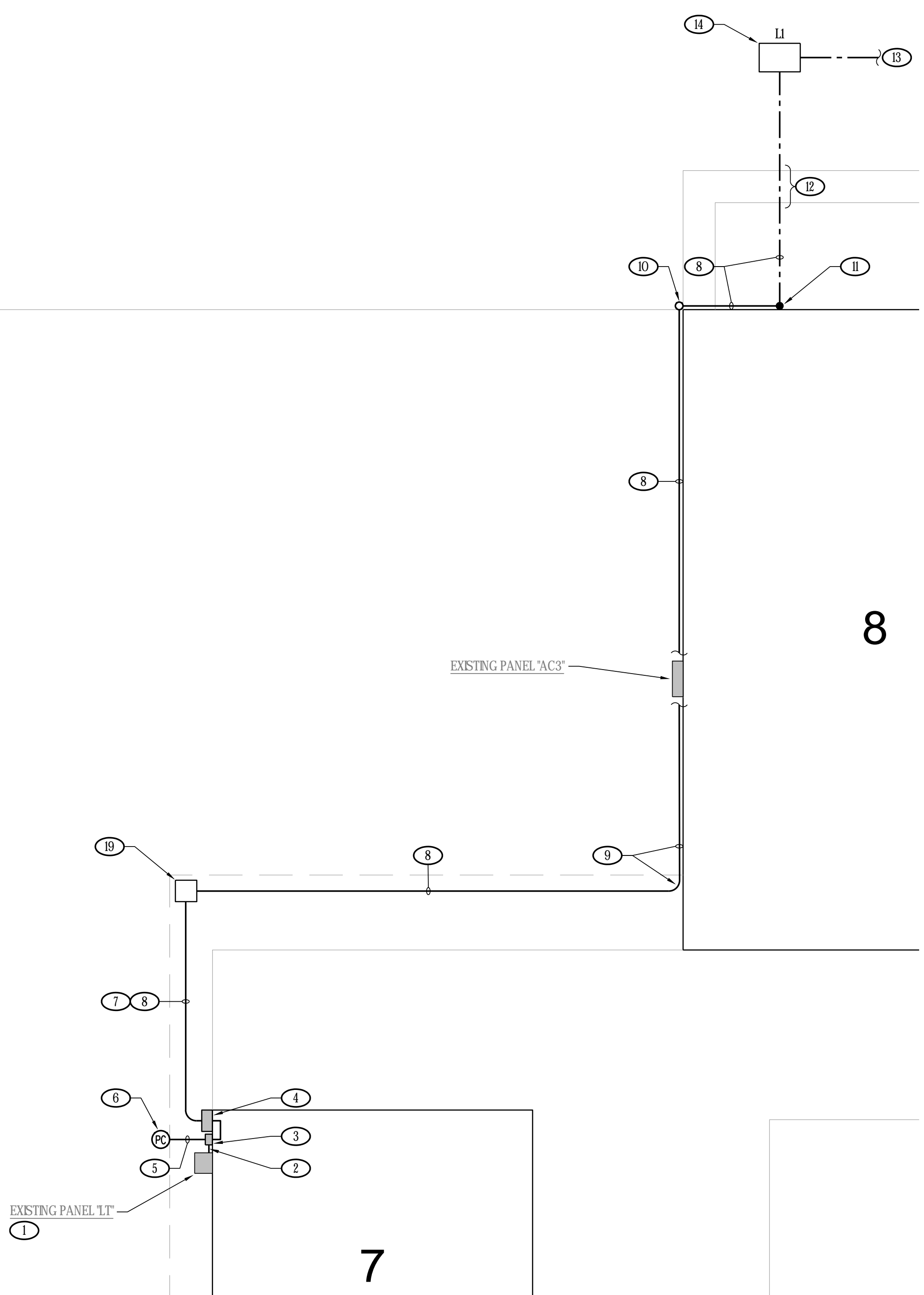
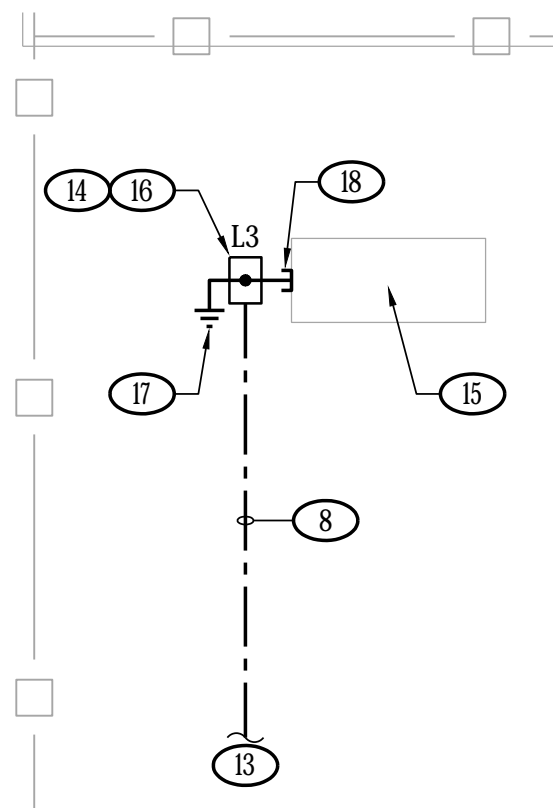
IF CONDUIT CROSSES A SEISMIC JOINT, PROVIDE FLEXIBLE CONDUIT ACROSS THE SEISMIC JOINT.

NOTES (THIS SHEET ONLY):

- 1) CONNECT NEW CONDUCTORS TO TWO EXISTING 20/1 CIRCUIT BREAKERS AND PROVIDE ADDITIONAL WORK PER EXISTING PANEL 'LT' SCHEDULE ON SHEET #EGL.
- 2) 3/4" - 4 #12 + 1 #2 GND.
- 3) PROVIDE A DIGITAL TIMECLOCK EQUIPPED WITH PHOTO-SENSOR AND NEMA 3R ENCLOSURE, TORX #HCL00A-NC OR EQUAL, TO CONTROL Ckt #11/7 ONLY. SURFACE MOUNT ADJACENT TO EXISTING WINDOWS. RUN 3/4" - 4 #12 + 1 #2 GND TO LINE-SIDE OF POWER DISTRIBUTION BLOCK, KEYNOTE #4. MAXIMUM WEIGHT IS 5 LBS.
- 4) PROVIDE A 18"H x 12" W x 6" DP, NEMA 3R SCREW COVER CAN (EATON/B-LINE #18126RTSC OR EQUAL) EQUIPPED WITH POWER DISTRIBUTION BLOCKS, SQUARE D #LBA362101 AND #LBA262101 OR EQUAL. SURFACE MOUNT ADJACENT TO EXISTING WINDOWS. MAXIMUM WEIGHT IS 19.6 LBS.
- 5) 1/2" - 3 #4.
- 6) MOUNT PHOTO-SENSOR ON FACE OF FASCIA AND PROVIDE A WEATHERPROOF OUTLET BOX EQUIPPED WITH A BLANK GASKETED COVER.
- 7) RUN BRANCH CIRCUITING UP THE WALL TO EXISTING ROOF OVERHANG, TURN 90° AND RUN TOWARDS EXISTING FASCIA. TURN 90° AGAIN, RUN ADJACENT TO FASCIA AND ON BOTTOM OF COVERED WALKWAY. WEIGHT OF BRANCH CIRCUITING (EMT AND COPPER CONDUCTORS) IS 1.72 LBS PER FOOT.
- 8) 1 1/4" - 4 #4 + 1 #4 GND.
- 9) TRANSITION FROM BOTTOM OF COVERED WALKWAY AND RUN BRANCH CIRCUITING HORIZONTALLY ON WALL. ROUTE IN THE AREA BETWEEN THE BOTTOM OF EXISTING LIGHT FIXTURE AND ABOVE THE EXISTING 'LB' CONDUIT BODIES/NEMA 3R PULL CAN.
- 10) PROVIDE AN 'LB' CONDUIT BODY IN ORDER TO MAKE TRANSITION AT CORNER OF BUILDING.
- 11) TURN 90° AND RUN BRANCH CIRCUITING DOWN THE WALL TO BELOW EXISTING FINISH GRADE. WEIGHT OF BRANCH CIRCUITING (EMT AND COPPER CONDUCTORS) IS 1.72 LBS PER FOOT.
- 12) JACK UNDER EXISTING CONCRETE CURB/MOW STRIP.
- 13) REFER TO SITE ELECTRICAL PLAN, AT RIGHT, FOR CONTINUATION.
- 14) REFER TO DETAIL #/EGL FOR PULL BOX REQUIREMENTS. PROVIDE GROUNDING AND BONDING OF THE STEEL CHECKER-PLATE COVER PER DETAIL #2/EGL.
- 15) THE ELECTRICAL CONTRACTOR SHALL FURNISH A 60A 3-POLE NON-FUSIBLE HEAVY-DUTY SAFETY SWITCH, NEMA 3R RATED (AS THE DISCONNECTING MEANS FOR THE MARQUEE) TO THE MARQUEE SUPPLIER FOR INSTALLATION AND FINAL CONNECTIONS OF CONDUCTORS IN KEYNOTE #8. THE MARQUEE SUPPLIER SHALL PROVIDE THE FOLLOWING MATERIALS AND/OR LABOR:
 - 1) CONDUIT FROM HEAVY-DUTY SAFETY SWITCH AND CONNECT TO THE CONDUIT STUB FROM PULL BOX 'L3'.
 - 2) PULL IN THE EXTRA LENGTH OF CONDUCTORS, PER KEYNOTE #6, AND TERMINATE INTO THE HEAVY-DUTY SAFETY SWITCH.
 - 3) CONDUIT, CONDUCTORS, REDUNDANT GROUND CONDUCTOR TO 5/8" DIA. GROUND ROD IN PULL BOX 'L3' AND ALL CONNECTIONS TO MARQUEE.
- 16) LEAVE 20' OF ADDITIONAL LENGTH OF CONDUCTORS FOR THE FINAL INSTALLATION AND CONNECTIONS BY MARQUEE SUPPLIER.
- 17) PROVIDE A 5/8" DIA. x 8' LONG COPPER-CLAD GROUND ROD WITH GROUND CLAMP AND LOCATE INSIDE OF PULL BOX 'L3'.
- 18) STUB 1 1/4" CONDUIT TO EDGE OF CONCRETE MOW STRIP AT MARQUEE SIGN.
- 19) PROVIDE A 12"H x 12" W x 4" DP, NEMA 3 GASKETED SCREW COVER CAN, EATON/B-LINE #1214-SCG OR EQUAL. MAXIMUM WEIGHT IS 10 LBS.

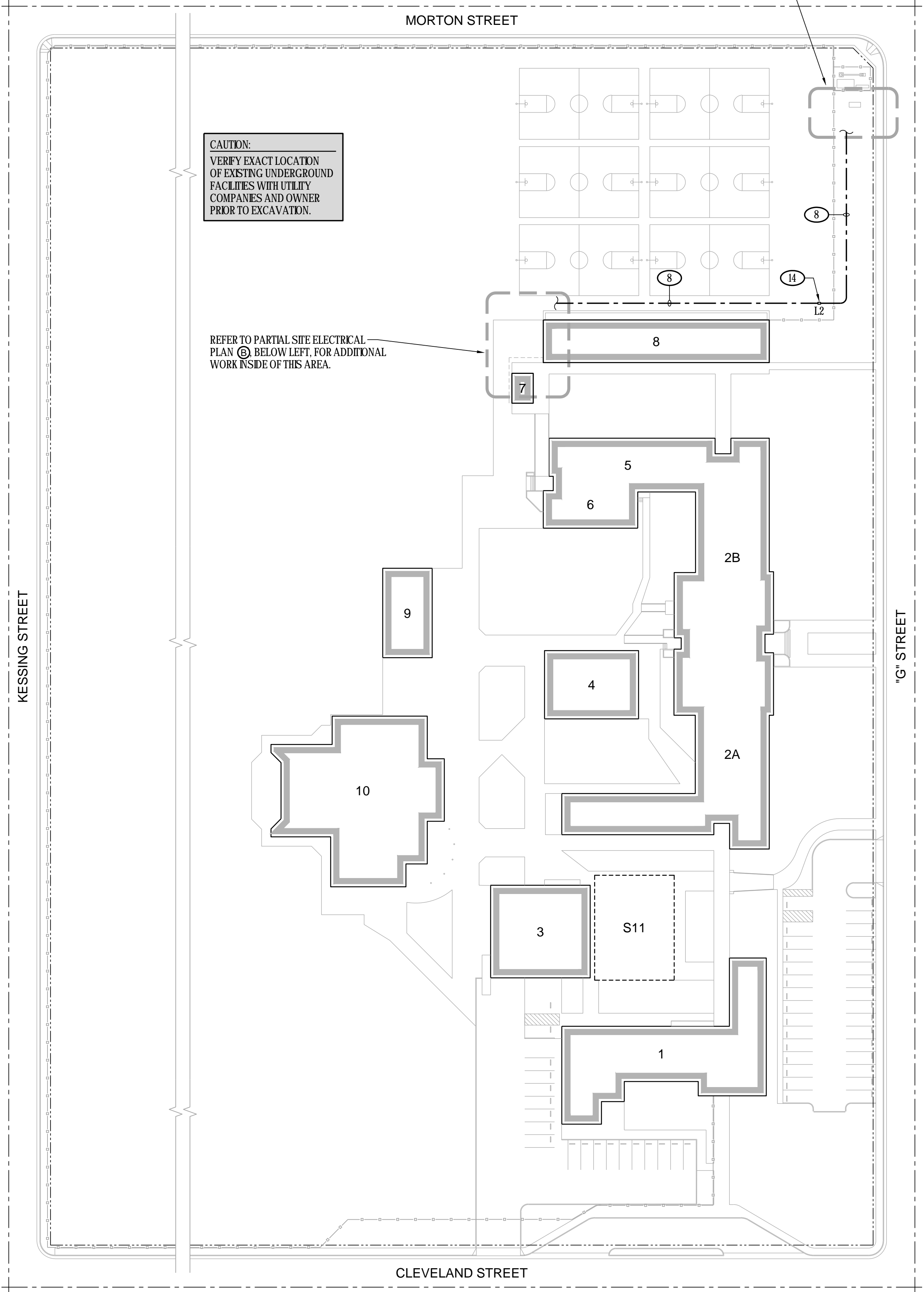
A PARTIAL SITE ELECTRICAL PLAN

1/8" = 1'-0"



B PARTIAL SITE ELECTRICAL PLAN

1/4" = 1'-0"



SITE ELECTRICAL PLAN

1" = 50'-0"

CAUTION:
VERIFY EXACT LOCATION OF EXISTING UNDERGROUND FACILITIES WITH UTILITY COMPANIES AND OWNER PRIOR TO EXCAVATION.

REFER TO PARTIAL SITE ELECTRICAL PLAN (A) AT LEFT, FOR ADDITIONAL WORK INSIDE OF THIS AREA.

REFER TO PARTIAL SITE ELECTRICAL PLAN (A) AT LEFT, FOR ADDITIONAL WORK INSIDE OF THIS AREA.



Z:\Drawing\Jobs\NSA\SCHOOLS\VALLEJO\050\Bartlett Middle School - Marquee\12.dwg DATE: 03/09/20 BY: Nicole DAE PLOTTED: 03/09/20 JOB #: 20-009-05

10. Any conduit entering underground pull boxes shall be sealed to prohibit water from entering the conduit. Conduits with conductors shall be sealed with a sealing compound after all conductors have been installed. All spare (empty) conduits shall be identified with either "origination" or "destination" (example: to pull box 150' to the south, from Main Switchboard, etc.). The contractor shall use a scrap piece of 3/4" PVC conduit, approximately 5" in length and tie the nylon pull string thru it. Write the description on the conduit using an indelible/permanent marker.

B. CONDUCTOR IDENTIFICATION AND INSTALLATION

- The drawings indicate the arrangement of outlets on each branch circuit and the circuit tags show the number of the circuit and the board to which it will be connected.
- Circuits indicated with the same numbers shall be connected to the same breaker on the panelboard.
- Branch circuits shall be tagged in all pull boxes and in the gutters of all panels to which they connect.
- All wiring shall be done in identified neutrals.
- No wire shall be installed until all work of other contractors that might cause injury to the said wire has been completed. Care shall be used to pull wires to insure that no damage occurs to the insulation. A wire lubricant shall be used for pulling in wires.
- In making the connection of all branch circuits to the terminals of switches, base plugs, etc., the wires shall be looped around the binding screws or be fitted with connecting lugs. At the ceiling outlets, this Contractor shall leave not less than 6" of free ends on each wire for connections to the fixtures.
- No splices shall be permitted except in outlet boxes, and in panelboard gutters.
- All power wiring #6 AWG and smaller shall be factory color-coded. For larger than #6, mark conductors on each end and at all junction and/or pull boxes with a 1" band of colored pressure-sensitive plastic tape. For isolated ground wires, mark with a 1" band of green tape, followed by a 1" band of yellow tape, followed by a 1" band of green tape. Colors for each phase and the neutral shall be consistent throughout the system. Color code shall be as follows:

WIRE	120/208V
Phase A	Black
Phase B	Red
Phase C	Blue
Neutral	White
Equip. Ground	Green

- The white or gray conductor shall be the neutral at each outlet.
- Conductors having white, gray or green covering shall not be used to indicate other than neutral or grounding. This limitation applies to all power, lighting and control circuits.
- Installation of conductors shall be made in a neat and workmanlike manner to meet Code requirements and shall be run continuous without weld, splice or joint between boxes. Do not install wires in conduit unless the entire system of conduit and outlet boxes is permanently in place. All conductors shall be pulled using a UL approved wire lubricant.
- Make all terminations at motors using 3M Series 5300 Motor Lead/Cable Splicing kits. Make connections per 3M written installation procedures.
- On all bolted electrical connections, the Contractor shall use Belleville washers.
- All wiring to be neatly bundled and tied with nylon cord or plastic straps.

C. GROUNDING

- The conduit system, supports, cabinets, switchboards, etc., and neutral conductors must be permanently and effectively grounded in accordance with Title 24 of the California Code of Regulations. The neutral shall only be grounded at the main service location unless specifically noted otherwise on the drawings or required by the California Electrical Code.
- This Contractor shall exercise every precaution to obtain good contacts at all panel boxes, pull boxes, etc.; where it is not possible to obtain good contacts, the conduits shall be bonded around the boxes with a #6 AWG gauge conductor with ground clamps.
- All equipment cases, motor frames, etc. shall be completely grounded to satisfy applicable code requirements.
- Pull a green equipment ground conductor in all power conduits, both metallic and non-metallic.
- Each disconnect switch shall have a ground connector (lay-in wire type) which shall be used for grounding the disconnect enclosure. The ground wire shall continue and be connected to the enclosure of the equipment served.

D. MOUNTING HEIGHTS OF EQUIPMENT

Unless otherwise specified elsewhere or shown on the plans, the following mounting shall apply:

- Panelboards: 6'-0" to top of box.
- Disconnect Switches: 4'-0" to center line.
- Contactors: 4'-0" to center line.

E. IDENTIFICATION OF SWITCHES AND APPARATUS

All switchboard circuits, externally operated switches and apparatus used for the operation of or control of circuits, appliances, or equipment shall be properly identified with an engraved Bakelite nameplates, 1" x 3", black letters on white background. All such nameplates shall be of the self-adhesive type and attached onto the apparatus by screws or rivets. Card holders in any form are not acceptable.

PART 5.00 - COORDINATION

PART 6.00 - MISCELLANEOUS

A. INTERRUPTION OF SERVICE

- Interruption of service in existing buildings shall not be made at a time which will inconvenience the Owner. Before making any final connections to the existing buildings or doing any other work that will interrupt the service, the Contractor shall consult with the Owner and schedule the work at Owner's convenience even if it is necessary to make such connections after regular working hours.
- This Contractor shall do all rerouting and reconnecting of existing electrical facilities made necessary by this construction. Care shall be taken not to disrupt existing facilities. If any facilities are disrupted, this Contractor shall replace or repair them at his expense and to the satisfaction of the Architect.

B. CHANGES

Electrical Contractor shall consider the number of outlets for electric equipment shown on plans as final, but the Architect reserves the right to shift same, within reason, to a location and position which will meet more completely final requirements.

C. GUARANTEE AND TESTS

- The entire installation shall be free from short circuits and improper grounds. Panels and circuits shall be tested for grounds and shorts. Each individual circuit shall be tested at the panel with the equipment connected for proper operation. Ground tests shall meet the requirements of the California Electrical Code. Upon completion of the work, a final inspection by the Architect and other interested authorities shall be conducted. This Contractor shall guarantee to repair or replace at his expense any material or equipment that develops defects or is determined not to be in conformance with the plans and specifications, during a period of one year after work is accepted by the Owner.

END OF SECTION 26 7000

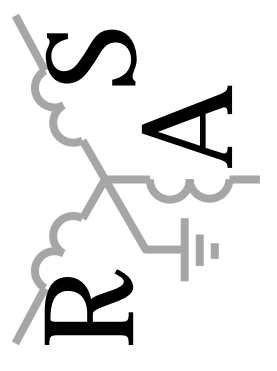


Rose Sing and Associates, Inc.
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118589 INC:
REVIEWED FOR
SS FLS ACS
DATE: 11/25/2020

NEW MARQUEE SIGN FOR
BARTLETT MIDDLE SCHOOL
FOR
PORTERVILLE UNIFIED SCHOOL DISTRICT
PORTERVILLE, CALIFORNIA

Rose Sing and Associates, Inc.
Electrical Consultants
131 S. Dunworth St. • Visalia, CA 93292-6705
Phone: (559) 733-2671 • Fax: (559) 733-0372



Project No.: 20-009

Drawn by: NS

Checked by: DS

Date: 3-6-20

Title:
ELECTRICAL SPECIFICATIONS

Sheet No. 7 of 11

E2

of Sheets

GENERAL NOTES

1. ALL DIMENSIONS, CONDITIONS AND ELEVATIONS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK OR FABRICATION. IF ANY DISCREPANCIES ARE FOUND, OR IF ANY CONDITIONS EXISTS NOT AS SHOWN ON THE DRAWINGS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
2. ANY CHANGES TO THE APPROVED SET OF PLANS WITHOUT NOTIFYING THE ENGINEER PRIOR TO SUCH CHANGES ABSOLVES SAID ENGINEER FROM ANY AND ALL RESPONSIBILITY WITH RESPECT TO LIABILITY, DAMAGE, OR EXTRA WORK RESULTING FROM SAID CHANGES.
3. NOTES AND DETAILS ON THE DRAWINGS TAKE PRECEDENCE OVER THESE GENERAL NOTES.
4. GOVERNING CODE 2019 CBC.
5. DESIGN SOIL PRESSURE, 1500 PSF AND PASSIVE AT 100 PCF X2.
6. ALL WORK TO BE PERFORMED UNDER THE CONTINUOUS INSPECTION OF D.S.A APPROVED INSPECTOR.
7. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
8. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24 CCR, AND THE ENGINEER.
9. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER), AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-338, PART 1, TITLE 24, CCR.
10. GOVERNING CODES:
 1. 2019 CALIFORNIA ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).
 2. 2016 CALIFORNIA BUILDING CODE, VOLUMES 1 & 2 (PART 2, TITLE 24, CCR).
 3. 2016 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR).
 4. 2016 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR).

FOUNDATION NOTES

1. ALL FOOTINGS SHALL EXTEND TO FIRM BEARING IN UNDISTURBED SOIL OR ENGINEERED FILL.
2. ALL REINFORCING STEEL, ANCHOR BOLTS, AND OTHER EMBEDDED ITEMS SHALL BE SECURELY POSITIONED IN THE FORMS PRIOR TO POURING OF CONCRETE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION PROCEDURES AND FOR PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS, AND UTILITIES IN ACCORDANCE WITH THE LOCAL BUILDING DEPARTMENT.

PAINTS AND ADHESIVE

1. PRIMERS AND PAINT TO BE SPRAY PAINTED PER MANUFACTURER RECOMMENDATIONS.
2. ALL STEEL TO HAVE 2 COATS OF RED-OXIDE PRIMER PRIOR TO ASSEMBLY. APPLY PRIMERS IN COMPLIANCE WITH THE REQUIREMENTS OF SSPC DA-1, PAINT APPLICATION SPEC NO.1.
3. ALL STEEL WELDED ON SITE TO BE CLEANED OF WELDING SLAG AND PRIMED WITH RED-OXIDE PRIMER.
4. ALL ALUMINUM SHEET TO ALUMINUM ANGLES AND TUBES SHALL BE BONDED WITH ASI STRUCTURAL ACRYLIC ADHESIVE MP55420, IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. THE ADHESIVE SHALL CONFORM TO UL STANDARD 746C.

ALUMINUM NOTES

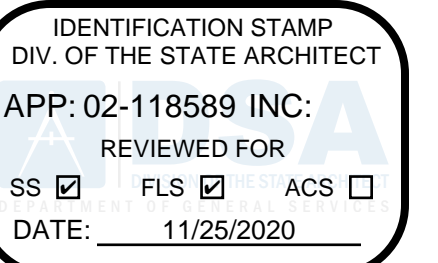
1. ALL ALUMINUM ANGLE AND TUBES TO BE 6061 T6 OR 6061 T651. YIELD STRENGTH EQUAL TO 35 KSI PER ASTM B221.
2. ALL SHEET ALUMINUM TO BE 5052-H32 PER ASTM B209.
3. MILL CERT SHEETS TO BE SUPPLIED ON ALL ALUMINUM.
4. NO ALUMINUM SCREWS TO BE USED.
5. ALL WELDING SHALL BE PER AWS D.1.2. FILLER WIRE SHALL CONFORM TO THE REQUIREMENTS OF AWS A5.10 AND SHALL BE TYPE 5356 ALUMINUM ALLOY FILLER.
6. STAINLESS STEEL BOLTS SHALL CONFORM TO ASTM F 593 300 SERIES (FY=30 KSI MIN). NUTS TO ASTM F 594.

STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL EXCEPT W SHAPES SHALL CONFORM TO ASTM A-36 AND SHALL BE FABRICATED AND ERECTED AS PER AISC SPECIFICATIONS FOR BUILDINGS. W SHAPES SHALL CONFORM TO ASTM A992.
2. STRUCTURAL PIPE SHALL CONFORM TO ASTM A-53, GRADE "B", AND STRUCTURAL TUBING SHALL CONFORM TO ASTM A-500, GRADE "B OR C".
3. ALL UNFINISHED BOLTS BE ASTM A-307 UNLESS OTHERWISE NOTED.
4. USE AISC USUAL GAGES FOR BOLT HOLES IN ALL STEEL SECTIONS UNLESS OTHERWISE NOTED.
5. ALL STEEL TO BE PRIMED WITH TWO COATS OF INDUSTRIAL RED-OXIDE PRIMER PRIOR TO FINAL ASSEMBLY.
6. ALL ALUMINUM TO STEEL CONNECTIONS WILL HAVE A POLYCARBONATE SPACER TO PREVENT ELECTROLYSIS. THESE CONNECTIONS ARE TO BE MADE WITH STAINLESS STEEL BOLTS AS SHOWN ON DRAWINGS.
7. MILL CERT SHEETS TO BE SUPPLIED ON ALL STEEL.
8. ALL FIELD WELDING TO USE AWS A5.1 E-7018 WELDING ROD IN ACCORDANCE WITH AWS D1.1.

CONCRETE NOTES

1. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS, AND OTHER EMBEDS SHALL BE IN PLACE AND SECURED TO FORM WORK PRIOR TO POURING OF CONCRETE.
2. SIDES OF FOOTING MAY BE POURED AGAINST STABLE EARTH.
3. THE QUALITY AND DESIGN OF CONCRETE SHALL COMPLY WITH TITLE 24, PART 2, EXCEPT ITEMS NOT SPECIFICALLY COVERED THEREIN SHALL CONFORM TO ACI 318.
4. CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS. (DESIGN 2500 PSI)



DESIGN CRITERIA

CODE: 2019 CBC & ASCE 7-16

SEISMIC:

RISK CATEGORY: II
 SEISMIC DESIGN CATEGORY: D
 SITE CLASS: D
 $I_E = 1.0$
 $S_{DS} = 0.533$
 $S_{D1} = 0.321$

WIND:

WINDSPEED: 110 MPH
 EXPOSURE: C
 $q = 13.43$ PSF @ ASD LEVEL



DRAWN BY: ED KING
 edking1930@gmail.com

UL / CEC / TITLE 24 COMPLIANCE

Sign Fabrication to be UL 48 and NEC Article 600 compliant.
 Title 24 compliant controls comply with (2016 CA Energy Code) will be installed prior to final inspection which include either a time clock/photo cell combination or an astronomical time clock.

SHEET SIZE 22" x34"

DRAWING NUMBER **BMS-LED10**

BUILDER
 FRESNO NEON SIGN COMPANY
 5901 E CLINTON AVENUE
 FRESNO, CALIF. 93727
 (559) 292-2944

JOB
 BARTLETT MIDDLE SCHOOL
 355 N G STREET
 PORTERVILLE, CA 93257

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GN-1

GENERAL NOTES

UPPER AND LOWER SECTIONS -
 .080 ALUMINUM SKIN BONDED
 WITH ASI STRUCTURAL ACRYLIC
 ADHESIVE MP55420 TO 1 1/2" X 1 1/2"
 X 1/8" SQUARE ALUMINUM TUBE FRAME.
 ADHESIVE TO BE IN CONFORMANCE
 WITH UL STANDARD 746C

(2) - 2 1/2" X 2 1/2" X 1/4" STEEL
 ANGLE BOLTED TO EACH LED SIGN
 W/4 - 1/2" Ø BOLTS PER ANGLE.
 (BY SIGN MANUFACTURER)

RGB FULL COLOR LED MESSAGE
 BOARDS PAINTED SATIN BLACK.
 230 LBS PER FACE.
 120 VOLTS 15 AMPS CONSTANT HOT

12" ROUND POLE COVER TO BE
 SCHEDULE 40 PVC PIPE. IT WILL
 HAVE A SMOOTH FINISH USING
 MATTHEWS SATIN ACRYLIC
 POLYURETHANE PAINT

8" Ø STANDARD PIPE
 COLUMN, SCHEDULE 40

ANY TYPE SOIL ALLOWED
 PER CBC TABLE 1806 A.2

LOGOS TO BE 1" THICK
 ACRYLIC WITH
 INTERIOR LIGHTING

ROUTED OUT COPY WITH
 ACRYLIC BACKUPS. INTERIOR
 ILLUMINATION WILL BE 12V
 HIGH INTENSITY WHITE LEDS

LOWER SECTION FACES
 DECORATED WITH MULTI
 COLOR SATIN ACRYLIC
 POLYURETHANE PAINT.
 NON-ILLUMINATED SECTION.

7.875
 (LED BOARDS)

3/16" 4 @ 3 1/2" EQUALLY
 SPACED AROUND PIPE

3/16" 4 @ 3 1/2" EQUALLY
 SPACED AROUND PIPE

3/16" 4 @ 3 1/2" EQUALLY
 SPACED AROUND PIPE

(4) - 1/2" Ø
 SS BOLTS

(4) - POLYCARBONATE
 SPACER BETWEEN
 STEEL AND ALUMINUM

8 3/4" Ø HOLE IN
 MOUNTING PLATE

4 @ 3 1/2" EQUALLY
 SPACED AROUND
 PIPE

SECTION B-B

(4) - 1/2" Ø
 SS BOLTS

8 3/4" Ø HOLE IN
 MOUNTING PLATE

4 @ 3 1/2" EQUALLY
 SPACED AROUND
 PIPE

SECTION C-C

(4) - 1/2" Ø
 SS BOLTS

(4) - POLYCARBONATE
 SPACER BETWEEN
 STEEL AND ALUMINUM

8 3/4" Ø HOLE IN
 MOUNTING PLATE

4 @ 3 1/2" EQUALLY
 SPACED AROUND
 PIPE

SECTION D-D

(2) - 1/4" Ø
 SS FH SOCKET
 CAP SCREWS

8 3/4" Ø HOLE IN
 MOUNTING PLATE

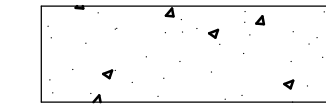
HOLE FOR ELECTRICAL

4 @ 3 1/2" EQUALLY
 SPACED AROUND
 PIPE

SECTION E-E

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 edking1930@gmail.com

UL / CEC / TITLE 24 COMPLIANCE
 Sign Fabrication to be UL 48 and NEC Article 600 compliant.



CONCRETE



NATIVE SOIL

Title 24 compliant controls comply with
 (2016 CA Energy Code) will be installed prior to final
 inspection which include either a time clock/photo cell
 combination or an astronomical time clock.

SHEET SIZE 22" x34"

BUILDER

FRESNO NEON SIGN COMPANY
 5901 E CLINTON AVENUE
 FRESNO, CALIF. 93727
 (559) 292-2944

JOB

BARTLETT MIDDLE SCHOOL
 355 N G STREET
 PORTERVILLE, CA 93257

DRAWING NUMBER

BMS-LED10

9 of 11

SD-1

FRONT VIEW

SECTION VIEW

SIGN DETAILS

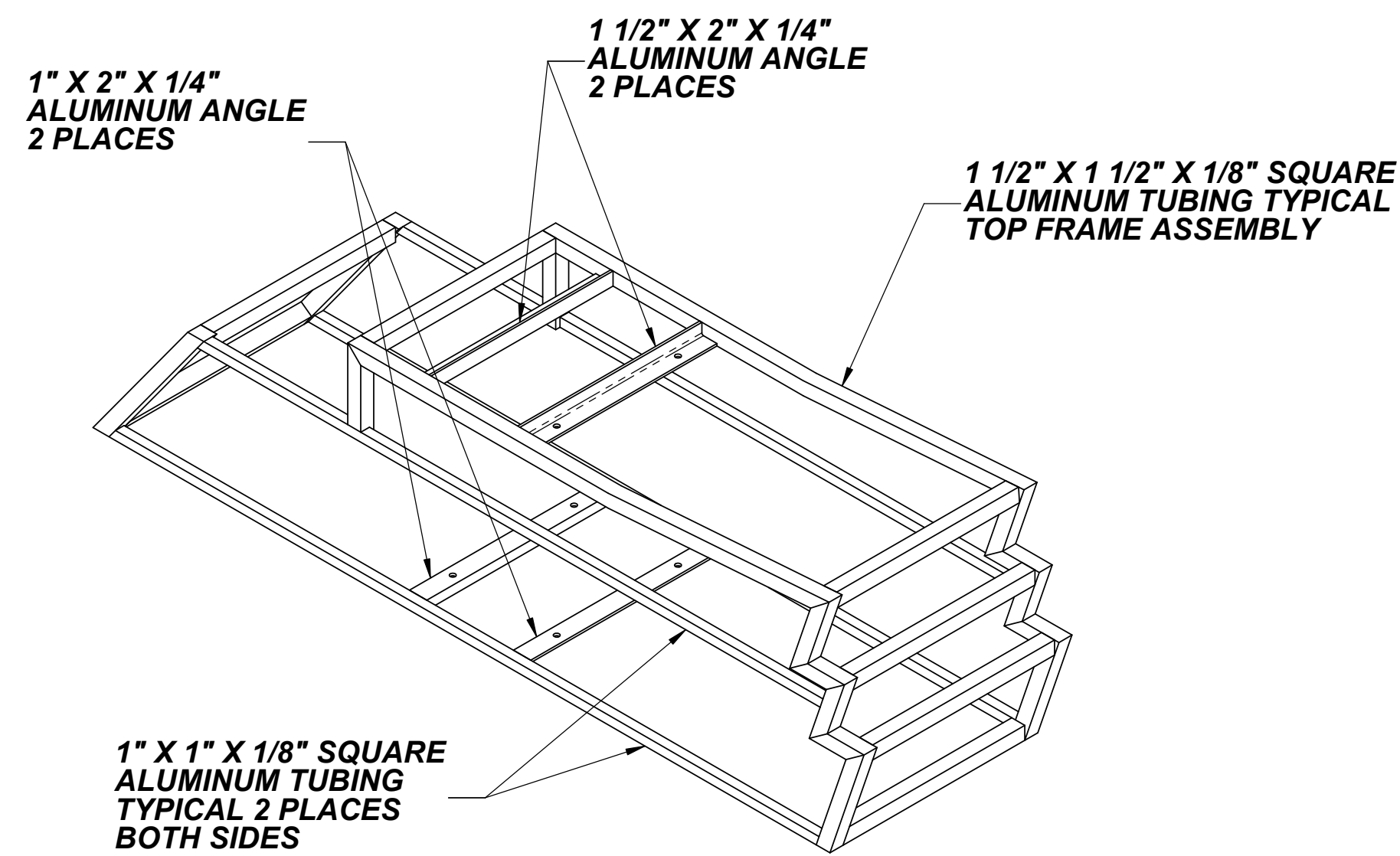
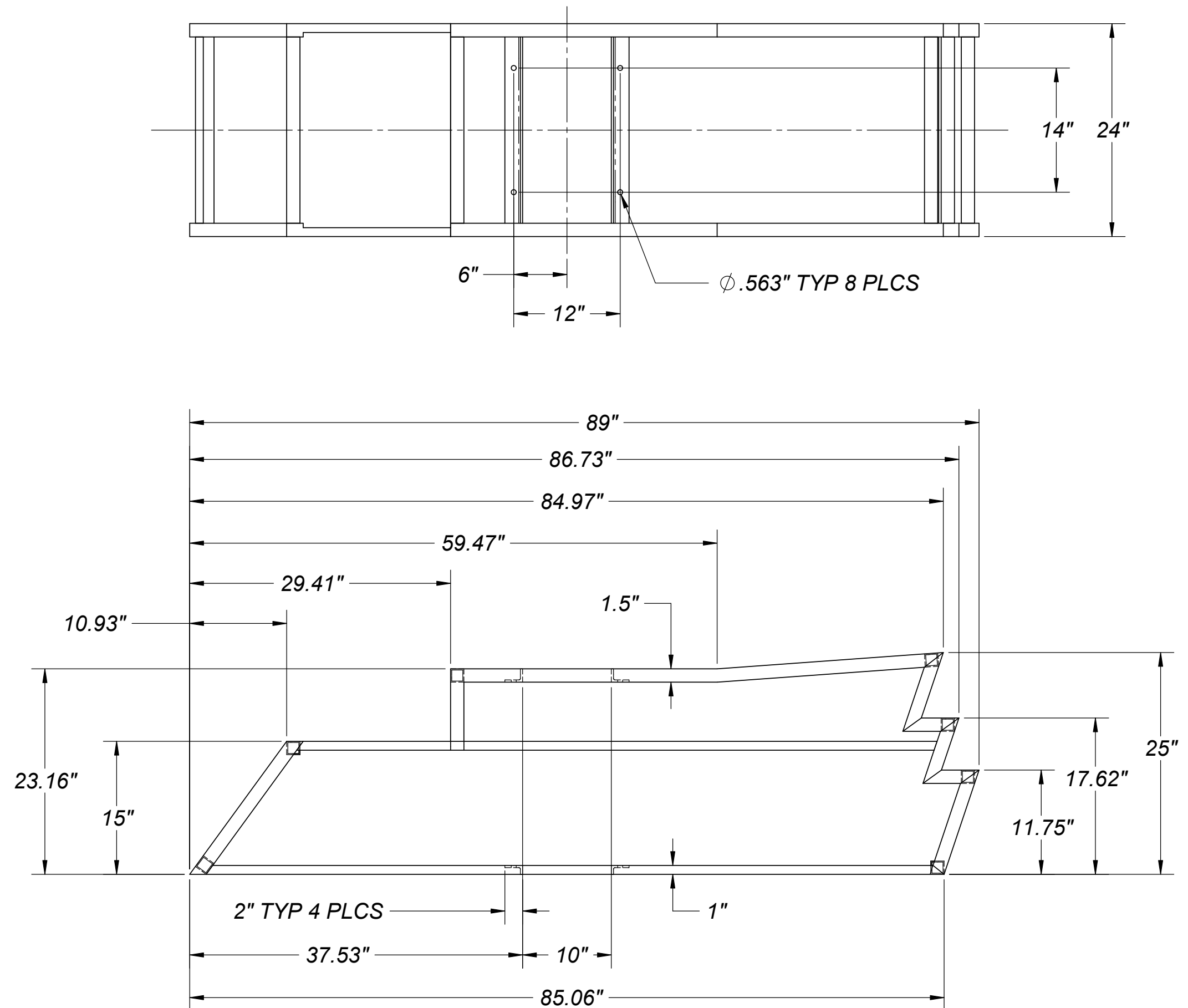
SECTION A-A



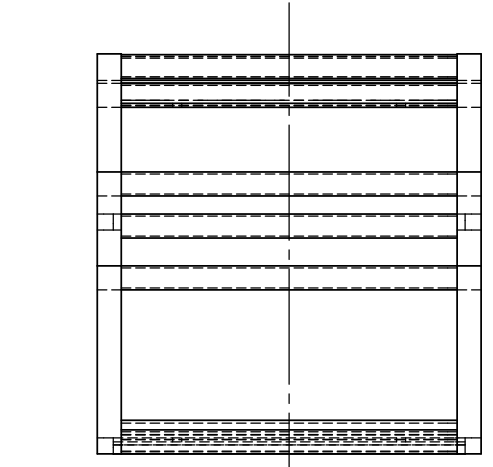
NOTES:

1. WELD ALL AROUND JOINTS TYPICAL.
2. ALL FILLET WELDS TO BE 3/16".
3. ALL BUTT WELDS TO BE 1/8".

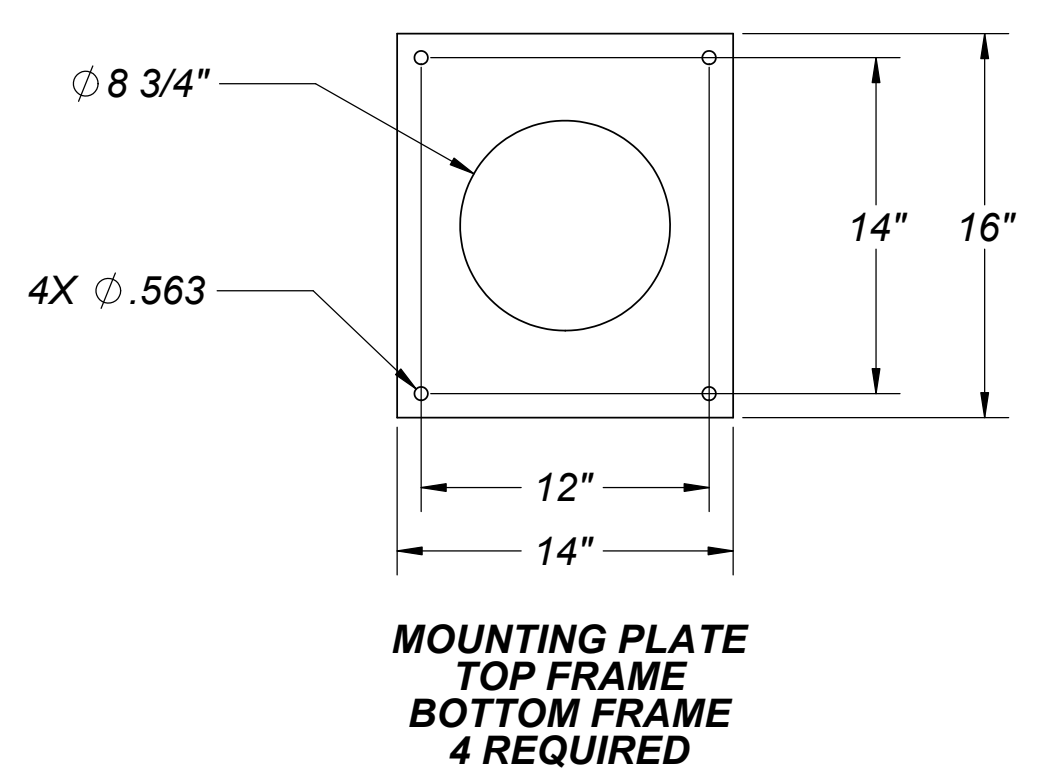
IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-118589 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 11/25/2020



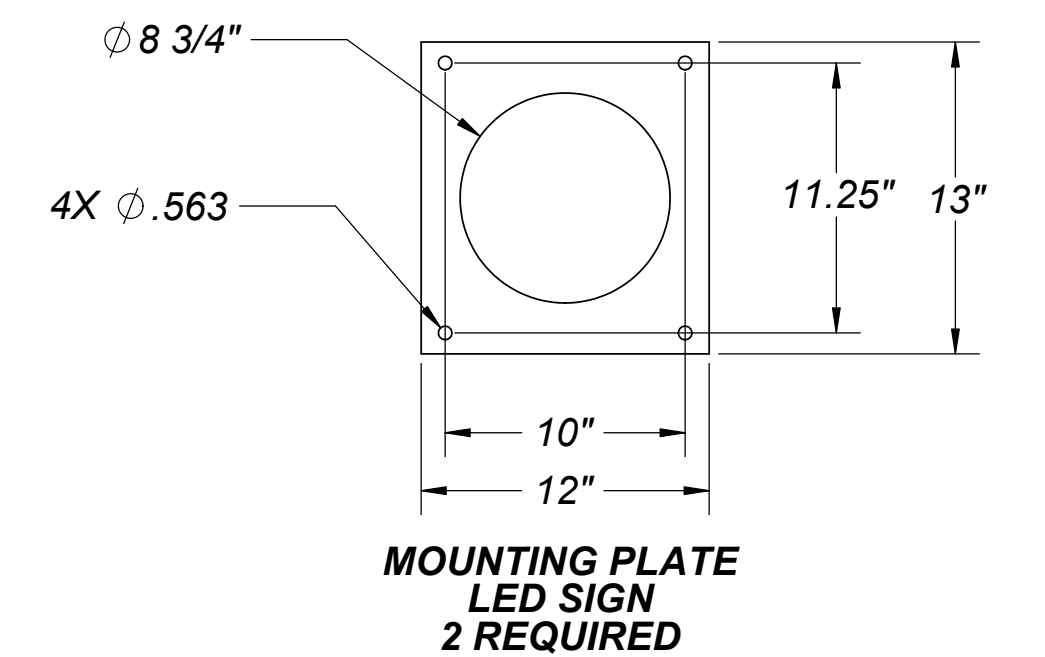
1" X 1" X 1/8" SQUARE ALUMINUM TUBING TYPICAL 2 PLACES BOTH SIDES



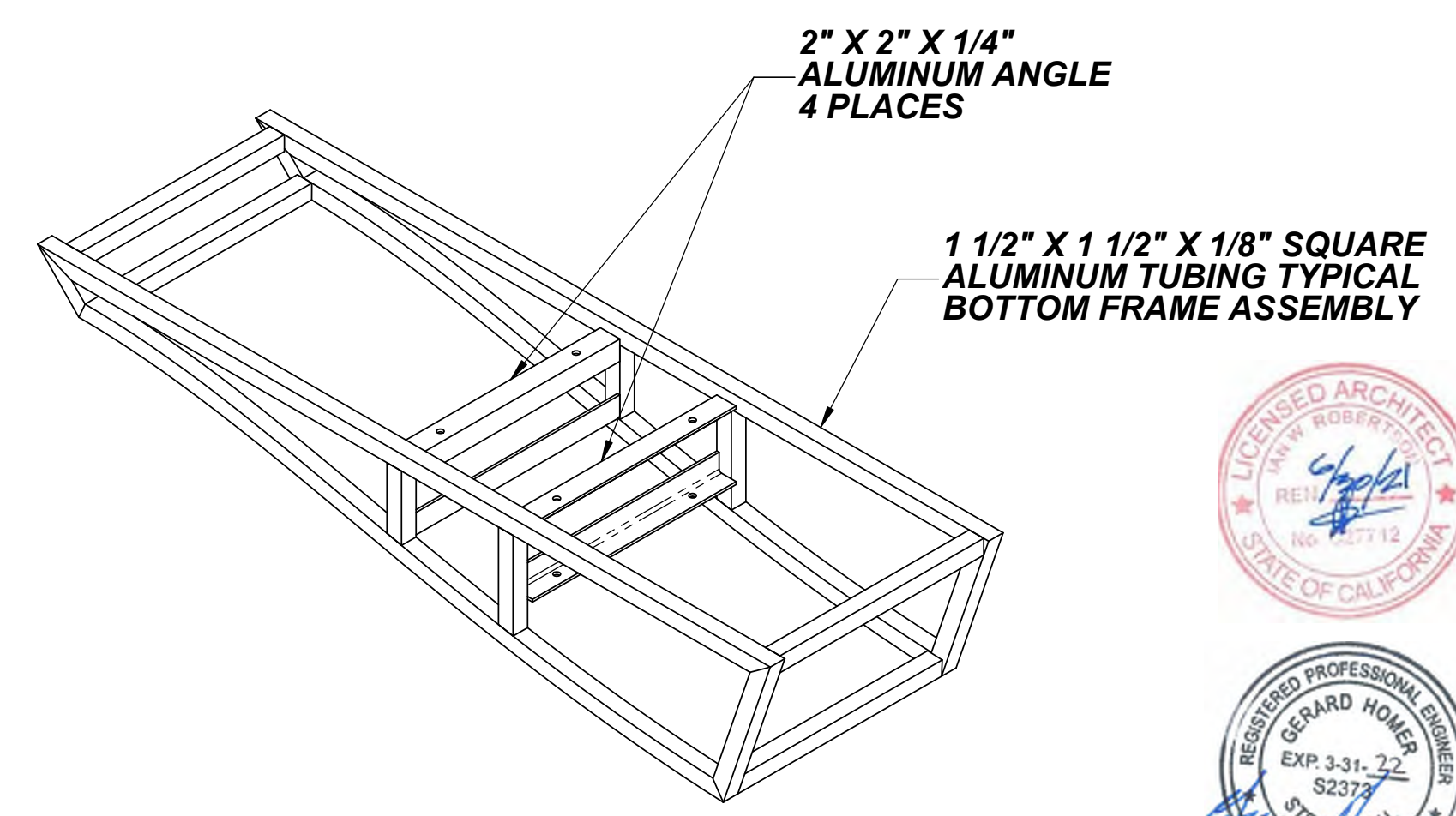
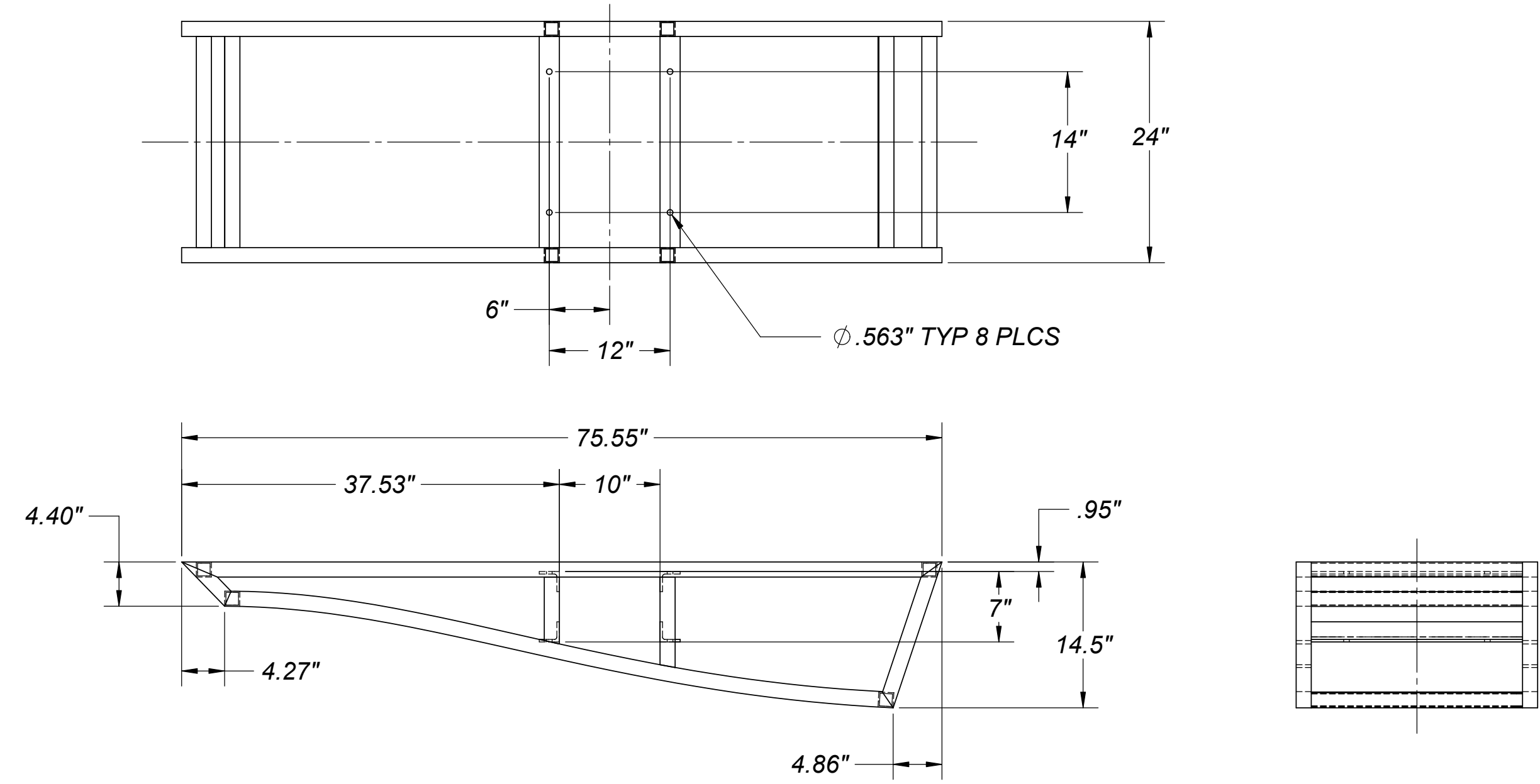
TOP FRAME WELD ASSEMBLY



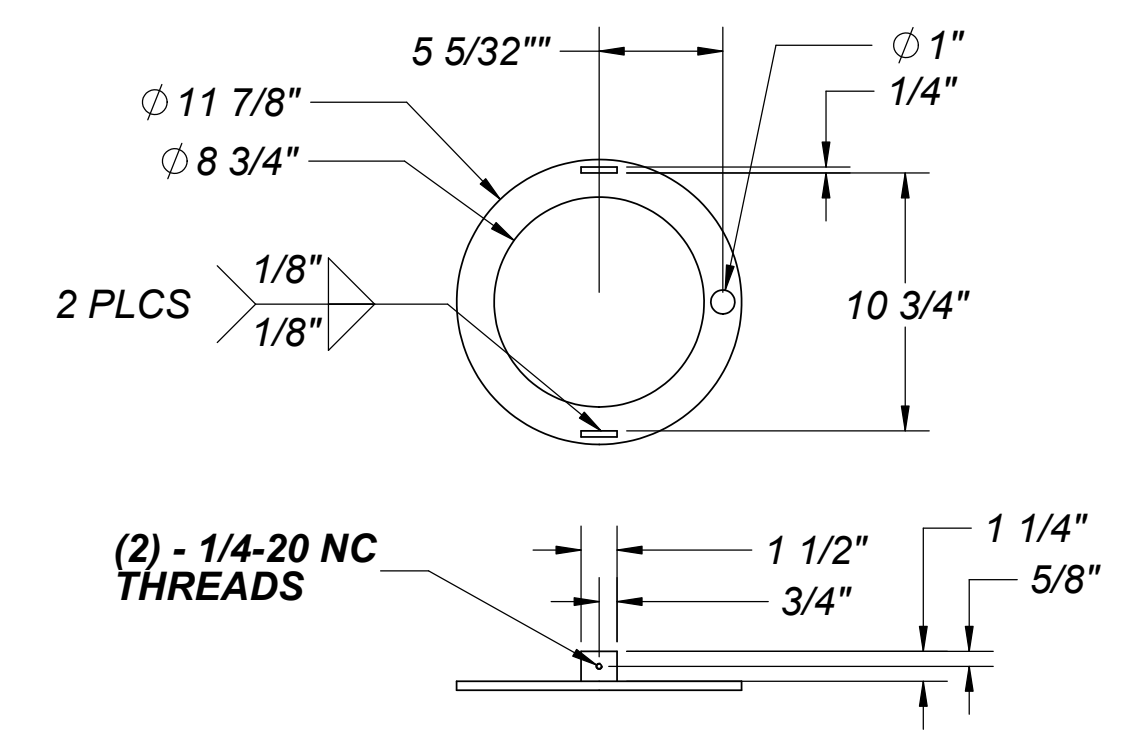
MOUNTING PLATE TOP FRAME BOTTOM FRAME 4 REQUIRED



MOUNTING PLATE LED SIGN 2 REQUIRED



BOTTOM FRAME WELD ASSEMBLY



MOUNTING PLATE POLE COVER 2 REQUIRED

MOUNTING PLATES: ALL 3/8" THICK A-36 STEEL

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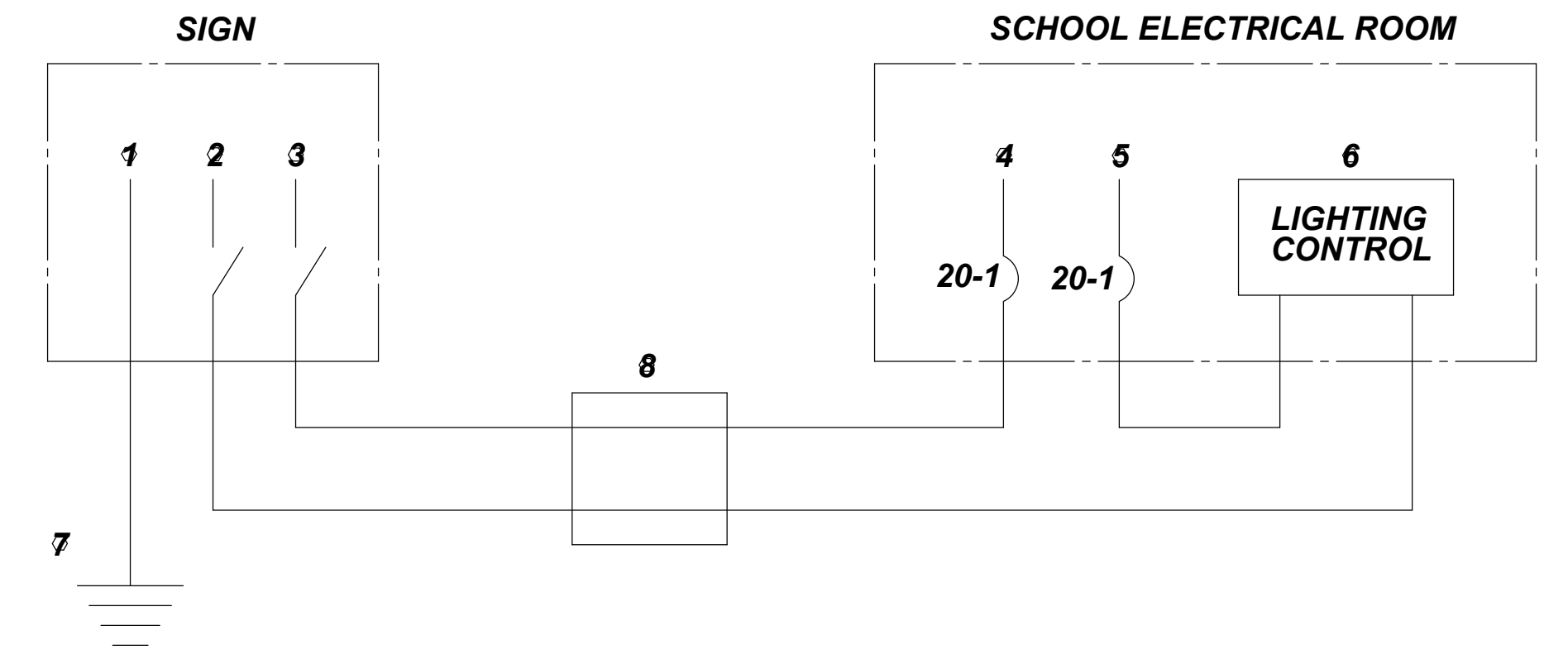
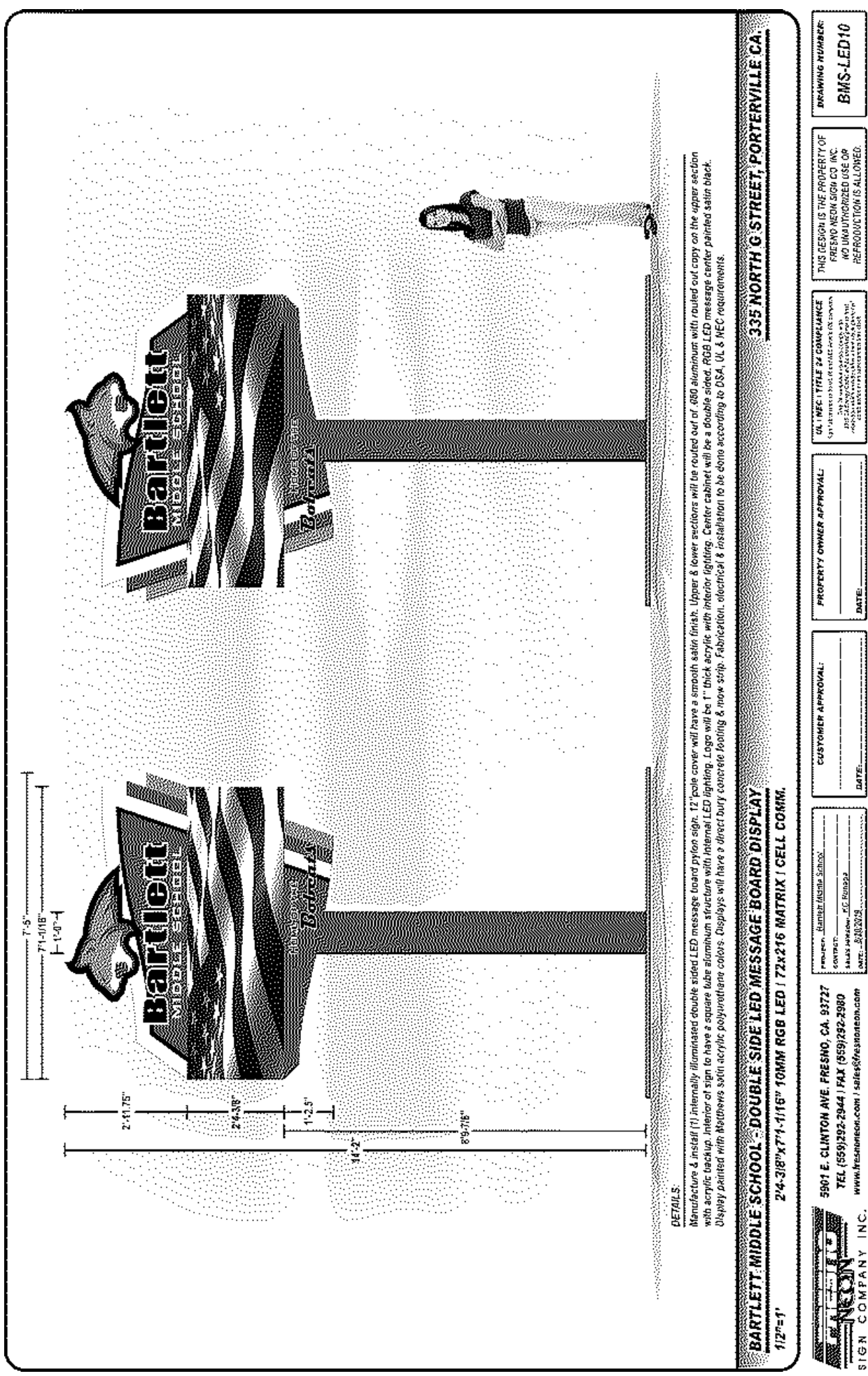
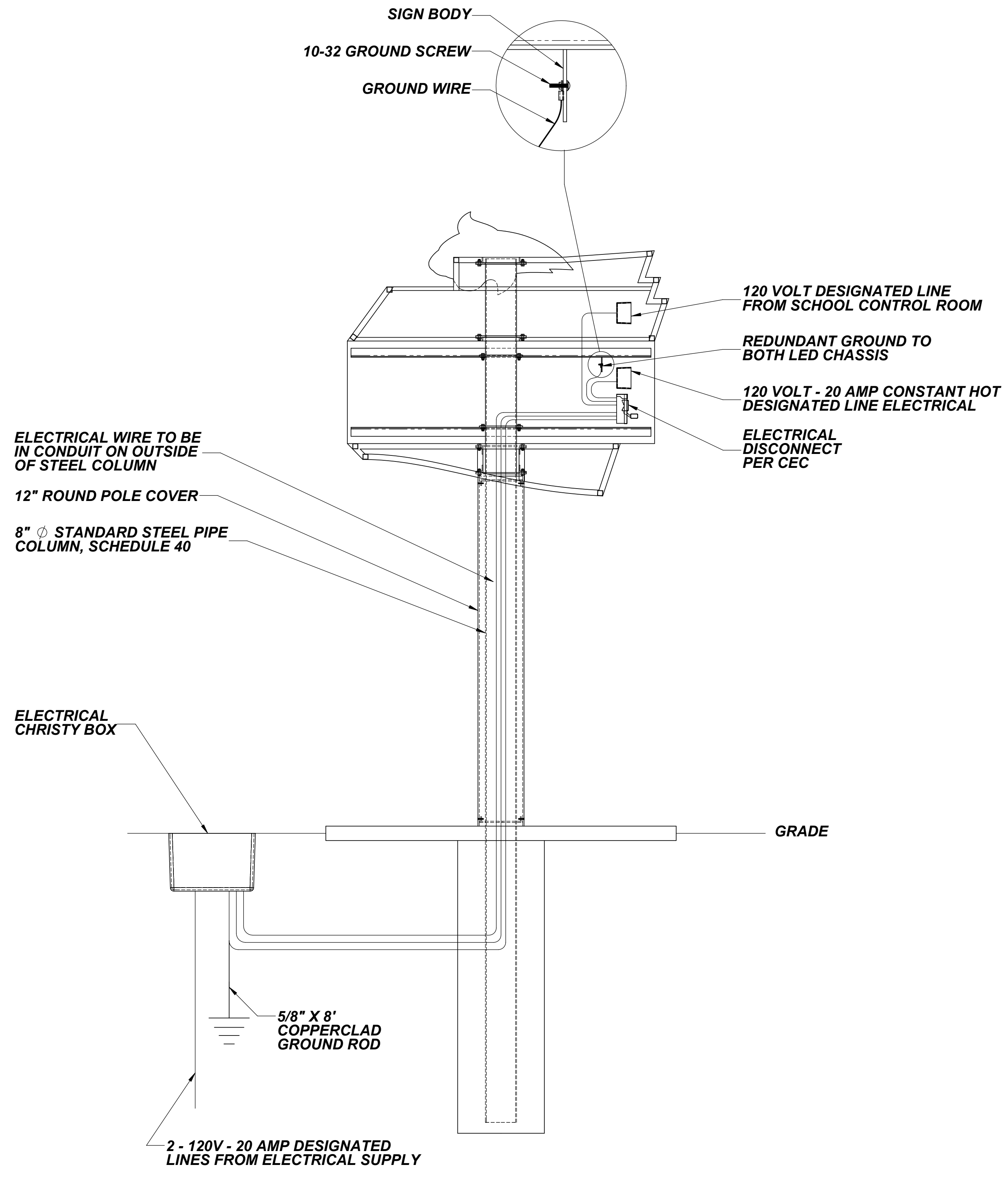
DRAWN BY: ED KING
 edking1930@gmail.com

SHEET SIZE 22" x34"

BUILDER	JOB	DRAWING NUMBER	BMS-LED10
FRESNO NEON SIGN COMPANY 5901 E CLINTON AVENUE FRESNO, CALIF. 93727 (559) 292-2944	BARTLETT MIDDLE SCHOOL 355 N G STREET PORTERVILLE, CA 93257		
		10 of 11	SD-2

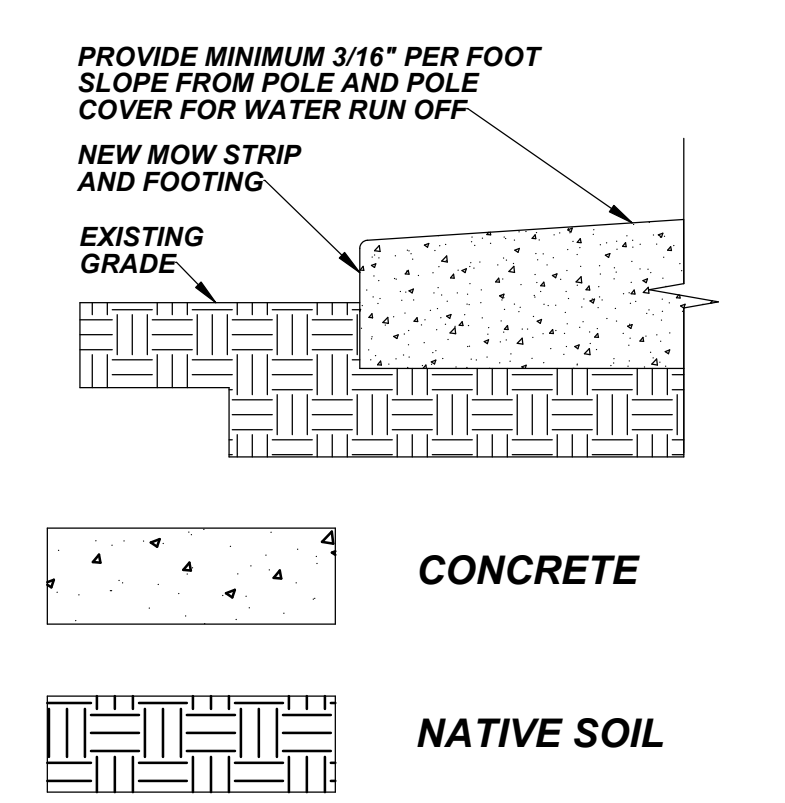
WELD DETAILS

SIGN DETAILS



- 1 # 10 GROUND ATTACHED TO GROUND LUG ON LED CABINET
- 2 WATER TIGHT BOX
- 3 WATER TIGHT BOX
- 4 120V 20A WITH NEUTRAL WIRE USE APPROPRIATE SIZE WIRE FOR DISTANCE RAN
- 5 120V 20A WITH NEUTRAL WIRE USE APPROPRIATE SIZE WIRE FOR DISTANCE RAN
- 6 APPROPRIATE LIGHTING CONTROL FOR ID SECTION OF SIGN
- 7 5/8" X 8' REDUNDANT GROUND ROD AT SIGN
- 8 PULL BOX

- NOTES:
- 1. ELECTRICAL TO SIGN TO BE PROVIDED TO SIGN BY CUSTOMERS ELECTRICIAN.
 - 2. DATA TO BE WIRELESS ETHERNET.
 - 3. THE BUILDING ANTENNA AND CABLES TO BE RAN BY CUSTOMERS ELECTRICIAN.



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