

PRE-BID CLARIFICATION FORM

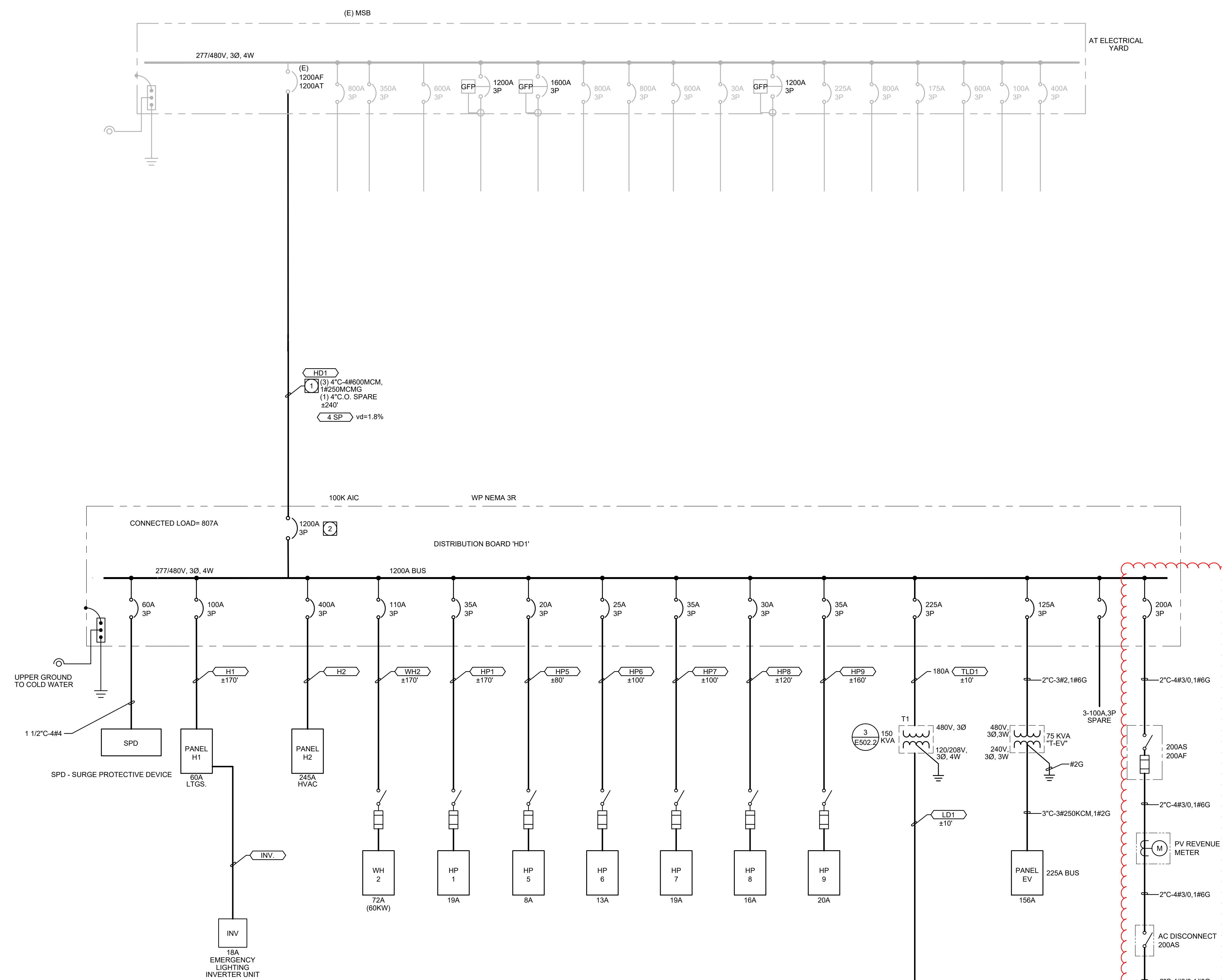
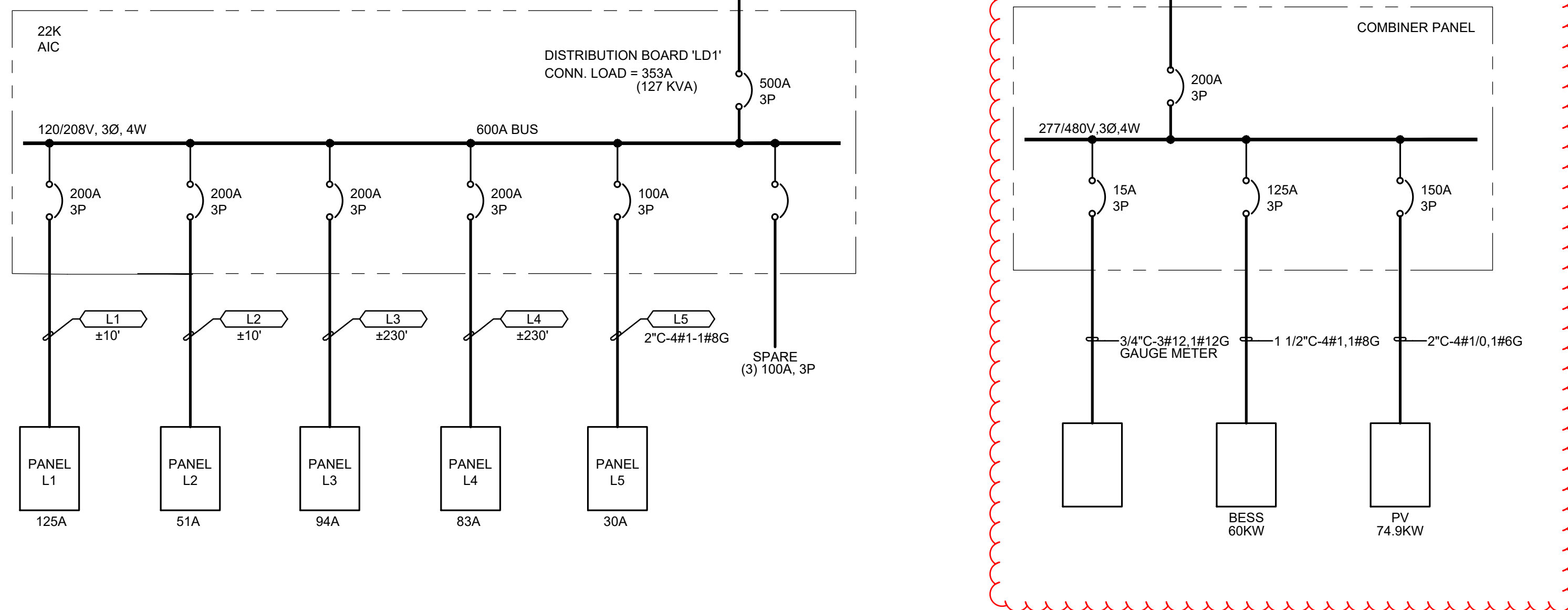
| | | | |
|------------------------------|-------------------------------|---|------------------------------|
| PROJECT NAME: | | FILLMORE HIGH SCHOOL NEW ATHLETIC COMPLEX | |
| PROJECT NUMBER: | | Project No. 2024-017 / DSA #03-123950 | |
| TO: | | RJ Stump EMAIL: rj.stump@fillmoreusd.org Fillmore Unified School Dist. Roy Frey WestGroup Designs royf@westgroupdesigns.com | |
| DATE: | 1/29/2025 | | |
| FROM: | Neil Hulin | EMAIL: | Nhulin@Bowecontractors.com |
| DOCUMENT/DIVISION NUMBER: | Base Bid Div 26-Electrical | DRAWING NUMBER: | E002, E2-2.2, A2-2.2, S1-3.2 |

REQUESTED CLARIFICATION:

The single line on sheet E002 shows a 60KW BESS System, a 74.9KW photovoltaic system, supporting feeders, and a supporting combiner panel. Solar and battery calulations are also shown. Drawings E2-2.2, A2-2.2 and S1-3.2 show provisions for a future photovoltaic system.

- 1) Are the photovoltaic and BESS systems to be included in this bid? If so please provide specifications.
- 2) If the PV and BESS systems are not part of this bid, please provide a clear dileneation as to what should be included. For example on the single line, are all feeders, disconnects, meters and combiner panels shown servicing the PV and BESS systems that leave the 200A/3P breaker in "HD1" to be included?

Please see plan pages below for reference.

[illegible]

SOLAR AND BATTERY CALCULATIONS

NEW ATHLETIC COMPLEX

TOTAL SOLAR ACCESS ROOF AREA: 44,337 SF

$$\text{SARA} \times 14\text{W PER SF} = 44,337 \times 14 = 620.72 \text{ KW}$$

PV REQUIREMENT PER EQUATION 140.10-A

$$kW_{PV} = (44,337 \times A)/1.0$$

CFA = 44,337 SF

A = 1.63 W/SF

44,337 SF x 1.63 W/SF)

$$kW_{PV} = 72.2 \text{ KW}$$

TOTAL PV REQUIREMENT FOR PROJECT = 72.27 KW

PV SYSTEM SHOWN ON PLANS: 140 PANELS @ 535 W/EA = 74.9 KW

BATTERY STORAGE CAPACITY POWER EQUATION 140.10-B: BATTERY POWER CAPACITY PER EQUATION 140.10-C

BATTERY STORAGE CAPACITY POWER EQUATION 140.10-B: BATTERY POWER CAPACITY PER EQUATION 140.10-C

$$\text{MW}_0 = \text{MW} \times \text{RD}^5 \qquad \text{MW}_0 = \text{MW} \times C$$

| TABLE 1.1 | | TABLE 1.2 | |
|-----------|-------|-----------|-------|
| Year | Value | Year | Value |
| 1990 | 100 | 1990 | 100 |
| 1991 | 105 | 1991 | 105 |
| 1992 | 110 | 1992 | 110 |
| 1993 | 115 | 1993 | 115 |
| 1994 | 120 | 1994 | 120 |
| 1995 | 125 | 1995 | 125 |
| 1996 | 130 | 1996 | 130 |
| 1997 | 135 | 1997 | 135 |
| 1998 | 140 | 1998 | 140 |
| 1999 | 145 | 1999 | 145 |
| 2000 | 150 | 2000 | 150 |
| 2001 | 155 | 2001 | 155 |
| 2002 | 160 | 2002 | 160 |
| 2003 | 165 | 2003 | 165 |
| 2004 | 170 | 2004 | 170 |
| 2005 | 175 | 2005 | 175 |
| 2006 | 180 | 2006 | 180 |
| 2007 | 185 | 2007 | 185 |
| 2008 | 190 | 2008 | 190 |
| 2009 | 195 | 2009 | 195 |
| 2010 | 200 | 2010 | 200 |
| 2011 | 205 | 2011 | 205 |
| 2012 | 210 | 2012 | 210 |
| 2013 | 215 | 2013 | 215 |
| 2014 | 220 | 2014 | 220 |
| 2015 | 225 | 2015 | 225 |
| 2016 | 230 | 2016 | 230 |
| 2017 | 235 | 2017 | 235 |
| 2018 | 240 | 2018 | 240 |
| 2019 | 245 | 2019 | 245 |
| 2020 | 250 | 2020 | 250 |

.....BA(1).....

REVISTA DE LA ASOCIACIÓN ARGENTINA DE PSICOPEDAGOGÍA 2010, 15(1), 1-10

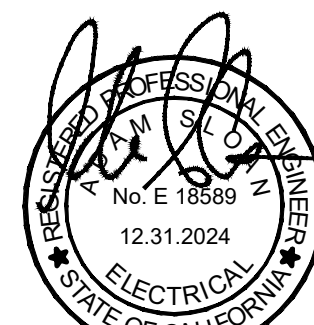
REVISTA DE LA ASOCIACIÓN ARGENTINA DE PSICOPEDAGOGÍA 2010, 15(1), 1-10

GENERAL SINGLE-LINE NOTES

- [illegible]

The logo for Westgroup Designs, featuring a large, stylized 'WD' monogram above the words 'WESTGROUP' and 'DESIGNS' in a sans-serif font.

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FILLMORE HIGH
SCHOOL ATHLETIC
COMPLEX
FILLMORE
UNIFIED SCHOOL
DISTRICT
555 CENTRAL AVE, FILLMORE
CA. 93015

ISSUED FOR

[illegible]

REVISIONS

[illegible]

REGISTRATION/SIGNATURE

SHEET TITLE

SINGLE-LINE DIAGRAM

SINGEL-LINE DIAGRAM

1

NTS

SHEET NUMBER

E002

| | | | |
|------------|-----------|---------|----------|
| WD PROJ. # | DRAWN BY: | CHECKED | DATE |
| 22851 | DL, AM | GM | 06/07/23 |

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KEYNOTES

- | | | |
|-----|----|--|
| H1 | L1 | FEEDER CONDUCTORS (CONDUIT & WIRE PER SCHEDULE) |
| 4SP | | 4" CONDUIT ONLY (X) QUANTITY. |
| 1 | | PULL IN FEEDER AS SHOWN ON SINGLE LINE DIAGRAM. |
| 2 | | MATCH A.I.C. FAULT CURRENT VALUE OF EXISTING GEAR. |

PRE-BID CLARIFICATION FORM

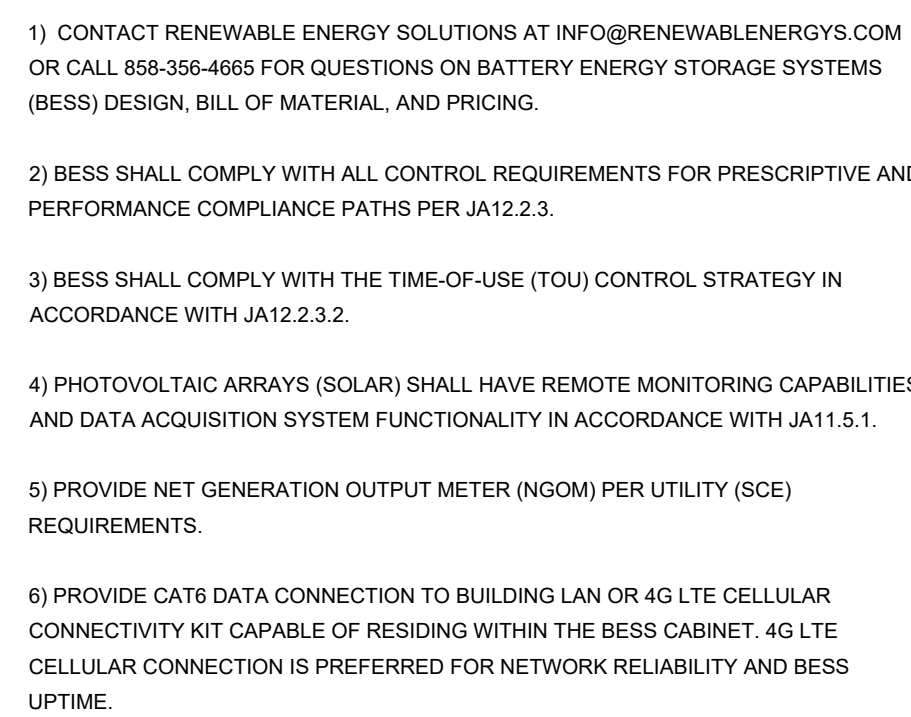
RESPONSE TO CLARIFICATION:

1. Photovoltaic and Bess systems are to be included in this bid. Contractor to provide a Photovoltaic system design that complies with the guidelines laid out on E-2-2.2. See A2-2.2 and S1-3.2 for panel layout connection points.
2. PV and BESS are part of the bid.
3. See revised, clouded roof plan (E-2.2.2) and single line diagram (E002).

DL, AGD, 2-4-25

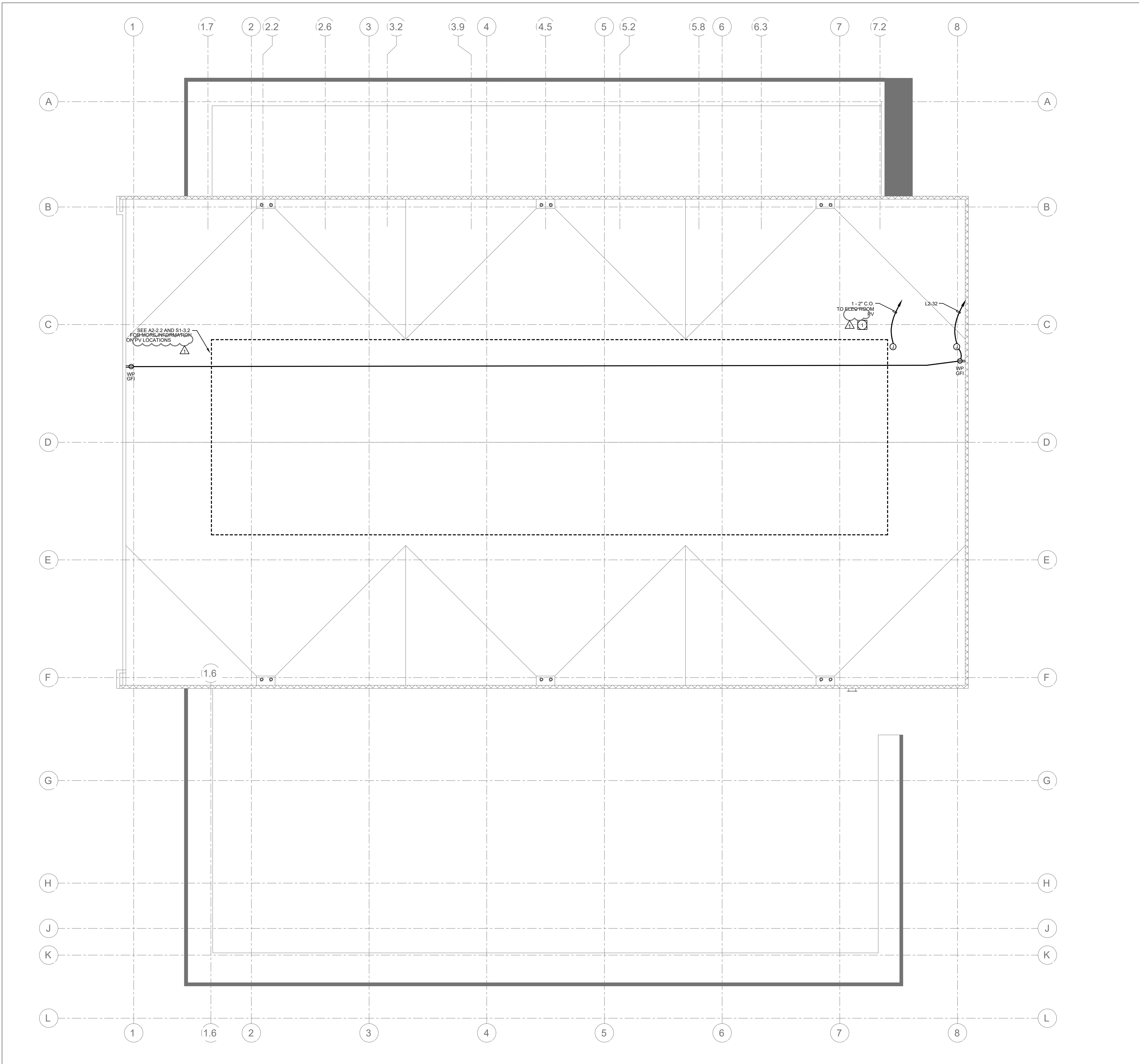
CC, AGD, 2-5-25

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

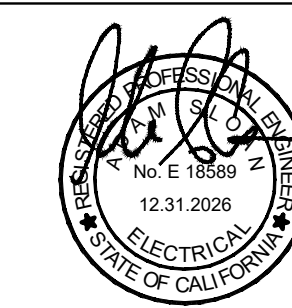


20. TRANSFORMERS SHALL HAVE COPPER WINDING.

PLAN NOTE:
SECTION 140.10 CALCS
KWpdc = 72.17 kW
KWbat = 161.30 kWh
KWbat = 33.2 kWdc
PV SYSTEM SHALL BE MINIMUM 72.27kW
FOR COMPLIANCE 140 PANEL LAYOUT
SHOWN ON A2-2.2 AND S1-3.2



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CA, 93015

ISSUED FOR:
PV 02/04/25

REVISIONS:

REGISTRATION SIGNATURE:

SHEET TITLE:
ELECTRICAL
HIGH ROOF PLAN

SHEET NUMBER:

E2-2.2

| | | | |
|------------|----------|---------|----------|
| WD PROJ. # | DRAWN BY | CHECKED | DATE |
| 22851 | DL, AM | GM | 06/07/23 |

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HIGH ROOF PLAN

1
1/8" = 1'-0"

NOT FOR CONSTRUCTION