TETER, LLP
ARCHITECTS ENGINEERS CONNECTED

ADDENDUM NO. 1 (BID 2)
ACCESSORY BUILDINGS

PROJECT:

AG Sciences Building
Bakersfield College – Bakersfield, CA

Date : 09/07/23

TETER Project No.: A 20-11707 D

CLIENT:

Kern Community College District
2100 Chester Ave.
Bakersfield, CA 93305

Client Project No.:
DSA File No.: 15-C1
DSA Appl. No.: 03-122075

*The following additions, deletions and revisions to the plans, specifications and Addenda shall become a part of the plans and specifications. It is the responsibility of the General Contractor to submit the information contained in this addendum to all subcontractors and suppliers. The Bidder shall acknowledge receipt of the Addendum in the Bid Proposal. (Addendum number of pages: **2** pages + **3** attachments = **5** total pages).*

CLARIFICATIONS:

1 – 01: **SHADEHOUSE FINISH,** as follows:

A. Shadehouse finish shall be G90 galvanized inside and outside with clear acrylic coating as noted in Specification Section 133413 Greenhouses and Shadehouses.

PROJECT MANUAL:

1 – 02: **PROJECT MANUAL, SPECIFICATION SECTION 000110 – TABLE OF CONTENTS,** revise as follows:

A. 092900 - Gypsum Board:
   1. Add Section 092900 – Gypsum Board to the Table of Contents.

DRAWINGS:

1 – 03: **DRAWINGS, SHEET L02-AC – CONSTRUCTION,** revise as follows:

A. Details C and D:
   1. Do not omit details from project. Details apply as called out on site plan.

1 – 04: **DRAWINGS, SHEET A110-AC – ACCESSORY BUILDING – SHADE HOUSE,** revise as follows:

A. Detail 12 – Shade House CMU Wall Section:
   1. 2” Capstone shall be 2x8x16 precast concrete cap.

1 – 05: **DRAWINGS, SHEET A120-AC – ACCESSORY BUILDING – STORAGE BAY,** revise as follows:

A. Keynote 9.75:
   1. Revise keynote 9.75 to read “Perforated Metal Panel, Factory Finish, Color “Cardinal Red”.

1 – 06: **DRAWINGS, SHEET E100-AC – DEMOLITION ELECTRICAL SITE PLAN,** revise as follows:

A. Keynote 4:
   1. The existing feeder to the Horticulture building is assumed to originate from an existing panel at the west side of the Automotive building just to the north. However, record drawings are not available to fully confirm this item. Contractor will need to field verify.

1 – 07: **DRAWINGS, SHEET E101-AC – ELECTRICAL SITE PLAN,** revise as follows:

A. Replace Sheet E101-AC – Electrical Site Plan in its entirety. See attached revised Sheet **E101-AC**.

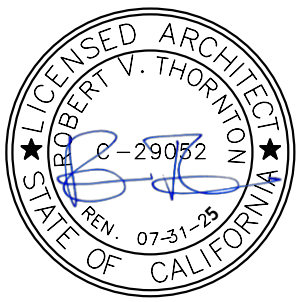
1 – 08: **DRAWINGS, SHEET E750-AC – SINGLE LINE DIAGRAM,** revise as follows:

A. Replace Sheet E750-AC – Single Line Diagram in its entirety. See attached revised Sheet **E750-AC**.

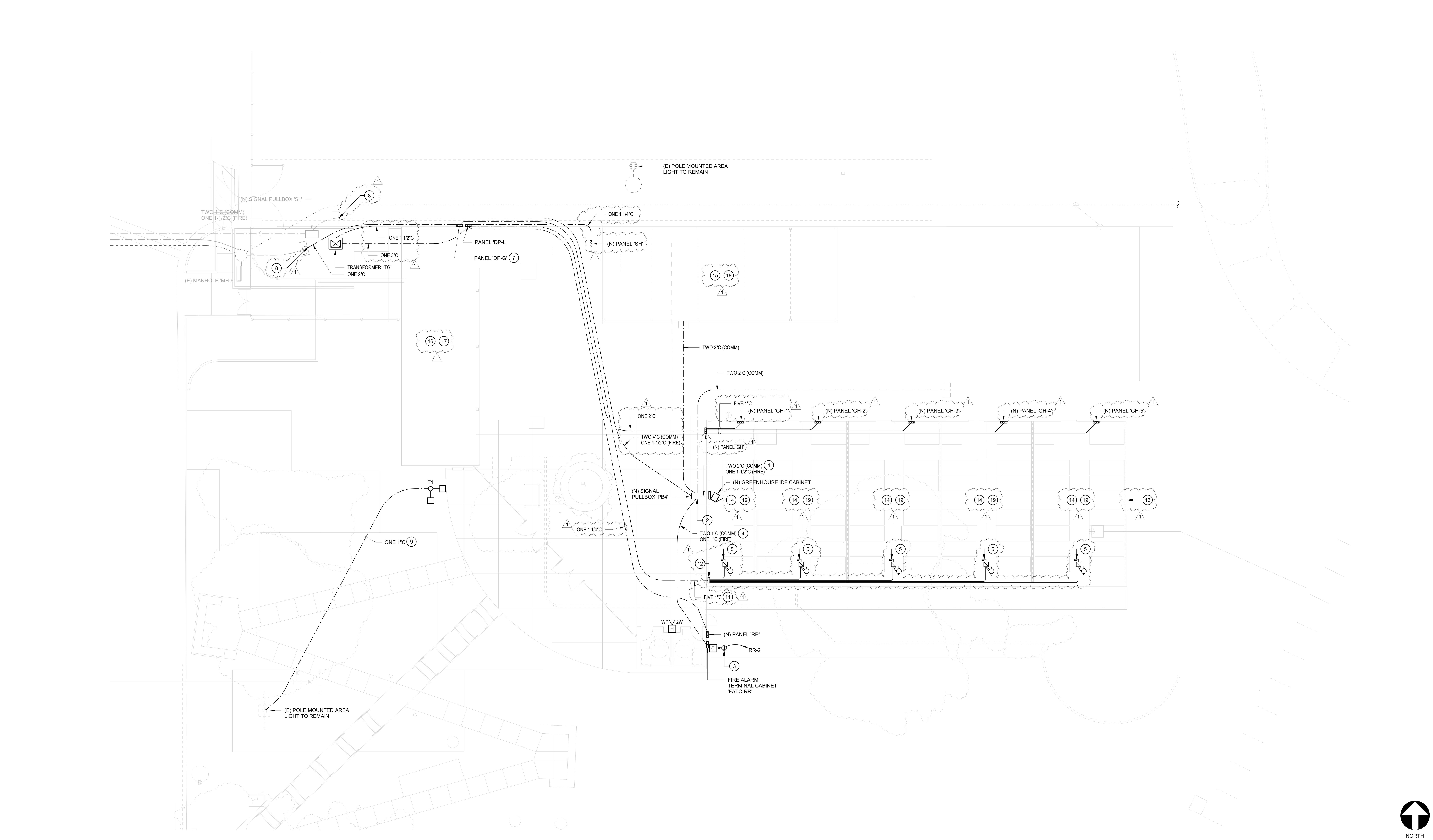
1 – 09: **DRAWINGS, SHEET E850-AC – ELECTRICAL SCHEDULES, LEGEND AND NOTES,** revise as follows:

A. Replace Sheet E850-AC – Electrical Schedules, Legend and Notes in its entirety. See attached revised Sheet **E850-AC**

END OF ADDENDUM NO. 1



Robert Thornton
Architect of Record



ENLARGED ELECTRICAL SITE PLAN

1" = 10'-0" 1

KEYNOTES

1. EXISTING CEILING IS ATTACHED DIRECTLY TO THE UNDERSIDE OF ROOF FRAMING IN THIS AREA.
2. REFER TO DRAWING E450 FOR ADDITIONAL INFORMATION AT ACCESSORY BUILDING AREA.
3. PROVIDE 120VAC CONNECTION TO IRRIGATION CONTROLLER.
4. PROVIDE FIRE ALARM SLC CABLE, NAC CABLE, AND SIGNAL SYSTEM FIBER OPTIC CABLE TO ACCESSORY BUILDING AREA.
5. HEAVY DUTY WEATHERPROOF 600V, 30A, 3-POLE FUSED DISCONNECT. PROVIDE POWER CONNECTION TO 460V, 3-PHASE GREENHOUSE HEATER. COORDINATE FUSING WITH HEATER NAMEPLATE.
6. AC SNAP SWITCH DISCONNECT ADJACENT TO EXHAUST FAN PROVIDE POWER CONNECTION TO 120V, 1PH WALL-MOUNTED EXHAUST FAN.
7. PROVIDE FEEDER AND CONNECTION TO ACCESSORY BUILDING DISTRIBUTION PANEL 'DP-G'.
8. PICK UP CONDUIT STUBS INSTALLED UNDER AG SCIENCES CENTER PROJECT.
9. ONE 1"C, 2#10 CU THWN, 1#10 CU GND. EXTEND (E) SITE LIGHTING BRANCH CIRCUIT TO SUPPLY (N) LIGHT POLE.
10. CONNECT BRANCH CIRCUIT TO 15/1 CIRCUIT BREAKER AT PANEL 'RR'.
11. FIVE 1"C, 3#8 CU THWN, 1#10 CU GND, IN EACH CONDUIT (GREENHOUSE HEATER BRANCH CIRCUITS).
12. PROVIDE NEW 18"x18"x6" PULLCAN ON THE INSIDE OF THE BUILDING MOUNTED TO THE COLUNM.
13. PROVIDE SEVENTEEN (17) TYPE 'GHE' GREENHOUSE EXTERIOR LIGHTING FIXTURES AT GREENHOUSE EXTERIOR. REFER TO ARCHITECTURAL FOR LOCATIONS. PROVIDE BRANCH CIRCUIT FROM PANEL 'GH'. PROVIDE PHOTOCONTROL AND INTERMATIC TIME CLOCK AT PANEL 'GH'
14. PROVIDE SIX (6) TYPE 'GH' GREENHOUSE INTERIOR LIGHTING FIXTURES AT GREENHOUSE INTERIOR. PROVIDE BRANCH CIRCUIT FROM PANEL 'GH'. PROVIDE VAPOR TIGHT SNAP SWITCH FOR LIGHTING CONTROL. REFER TO ARCHITECTURAL FOR FIXTURE AND CONTROL LOCATIONS. TYPICAL OF FIVE LOCATIONS AT GREENHOUSE.
15. PROVIDE TWELVE (12) TYPE 'SH' SHADE HOUSE LIGHTING FIXTURES AT SHADE HOUSE INTERIOR. PROVIDE BRANCH CIRCUIT FROM PANEL 'SH'. PROVIDE VAPOR TIGHT SNAP SWITCH FOR LIGHTING CONTROL. REFER TO ARCHITECTURAL FOR FIXTURE AND CONTROL LOCATIONS.
16. PROVIDE SIX (6) TYPE 'SB' STORAGE BAY INTERIOR LIGHTING FIXTURES AT STORAGE BAY. PROVIDE BRANCH CIRCUIT FROM PANEL 'DP-L'. PROVIDE VAPOR TIGHT SNAP SWITCH FOR LIGHTING CONTROL. REFER TO ARCHITECTURAL FOR FIXTURE AND CONTROL LOCATIONS.
17. PROVIDE SIX (6) TYPE 'SBE' STORAGE BAY EXTERIOR LIGHTING FIXTURES AT STORAGE BAY. PROVIDE BRANCH CIRCUIT FROM PANEL 'DP-L'. PROVIDE VAPOR TIGHT SNAP SWITCH FOR LIGHTING CONTROL. REFER TO ARCHITECTURAL FOR FIXTURE AND CONTROL LOCATIONS.
18. PROVIDE SIX (6) WEATHERPROOF GFCI OUTLETS WITH IN-USE COVERS ATTACHED TO SHADE HOUSE STRUCTURE. PROVIDE THREE BRANCH CIRCUITS FROM PANEL 'SH'. REFER TO ARCHITECTURAL FOR RECEPTACLE LOCATIONS.
19. PROVIDE THREE (3) WEATHERPROOF GFCI RECEPTACLES WITH IN-USE COVERS ATTACHED TO GREENHOUSE STRUCTURE. PROVIDE BRANCH CIRCUIT FROM NEAREST GREENHOUSE PANEL. REFER TO ARCHITECTURAL FOR RECEPTACLE LOCATIONS. TYPICAL OF FIVE LOCATIONS AT GREENHOUSE.

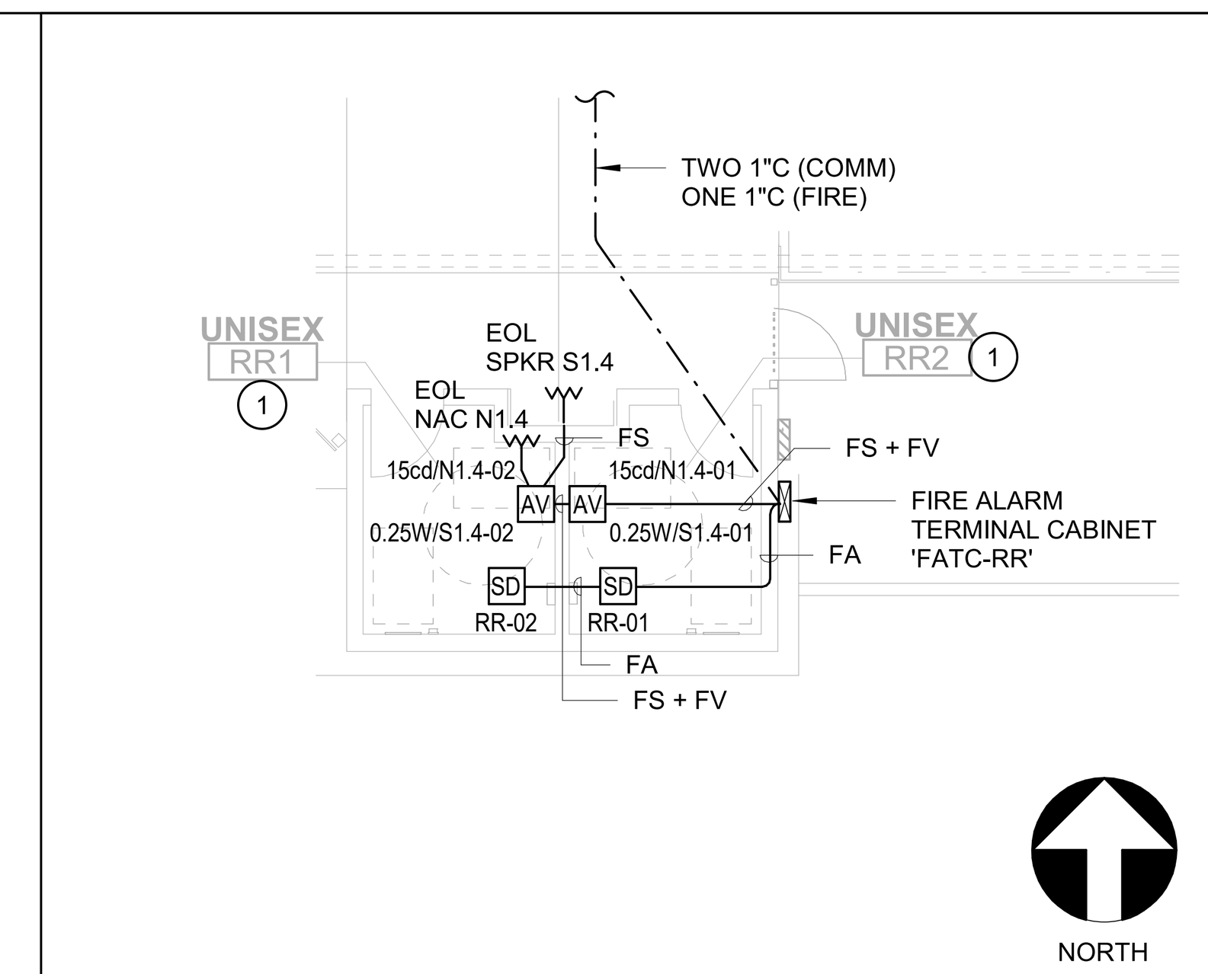
GENERAL NOTES

A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.

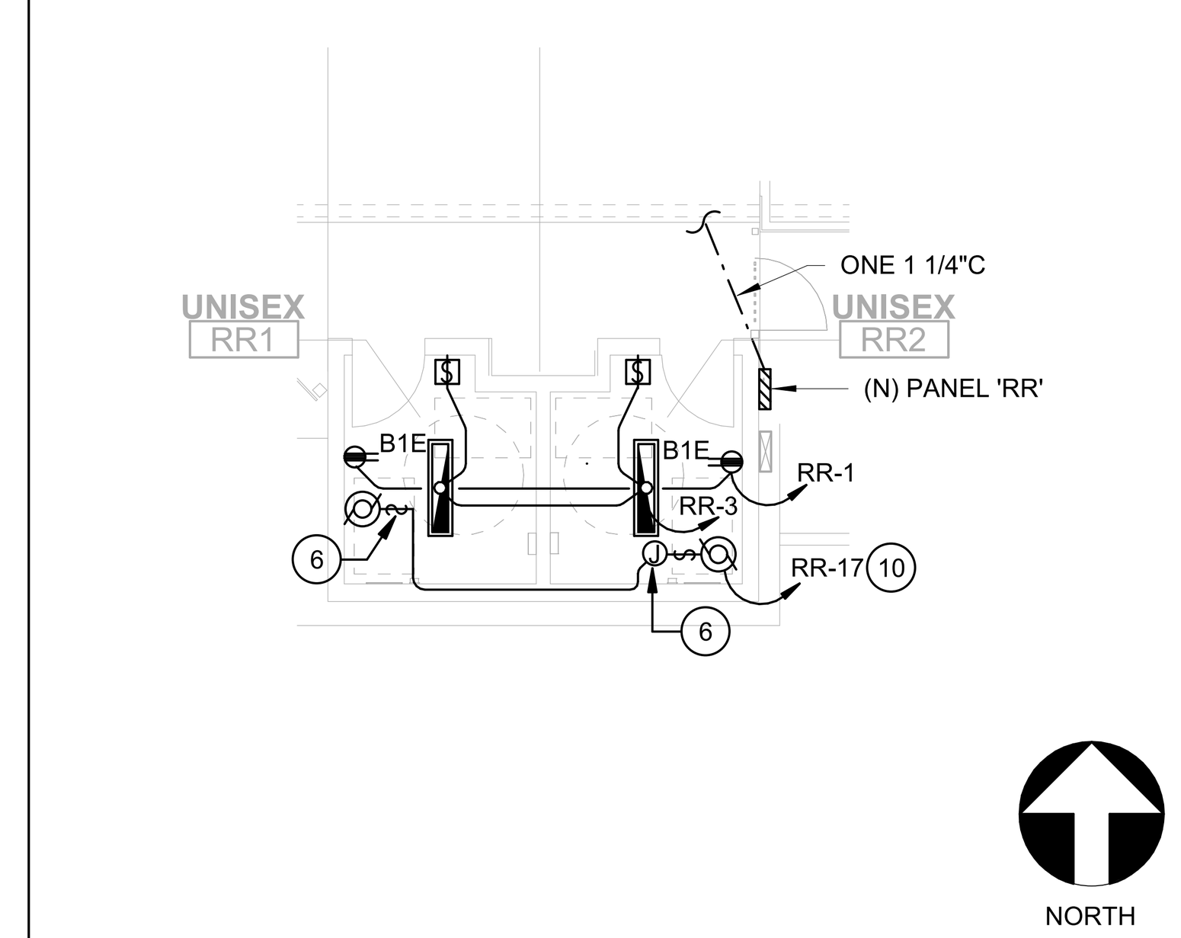
B. PROVIDE PULLBOX PER DETAIL 11/E850-AC.

C. SITE CONDUITS OF TRADE SIZE 2" AND LARGER SHALL BE GROUPED AND INSTALLED PER DETAIL 6/E600. SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 36" BELOW FINAL GRADE TO TOP OF CONDUIT.

D. SPECIAL PRECAUTION SHALL BE TAKEN WHEN TRENCHING TO LOCATE, PROTECT AND PRESERVE EXISTING UNDERGROUND UTILITIES. ANY DAMAGE CAUSED DURING THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED.



FIRE ALARM PLAN - RESTROOM 1/8" = 1'-0" 3



ELECTRICAL PLAN - RESTROOM 1/8" = 1'-0" 2

MARK	DATE	DESCRIPTION
1	9/7/23	ACCESSORY BLDG ADDENDUM 1
F	8/14/23	ACCESSORY BLDG BID SET

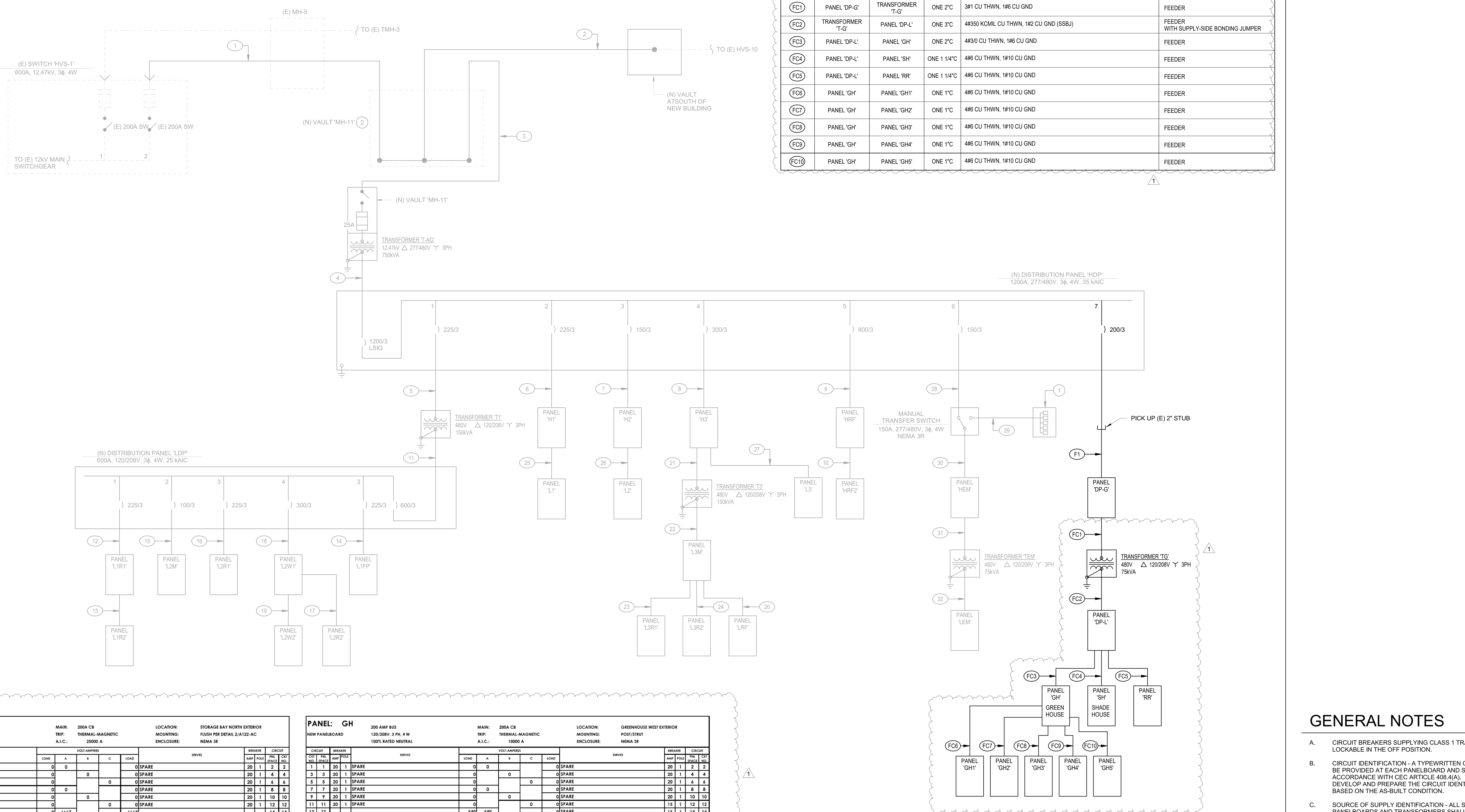
TETER, LLP
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED

AG SCIENCE CENTER
BAKERSFIELD COLLEGE
1801 PANORAMA DRIVE
BAKERSFIELD, CA

DRAWING TITLE
ELECTRICAL SITE PLAN

PROJECT NO.
20-11707.01

DRAWING
E101-AC



FEEDER SCHEDULE

FEEDER	ORIGIN	DESTINATION	CONDUIT	CONDUCTORS	REMARKS
F1	PANEL 'HDP'	PANEL 'DP-G'	ONE 2"C	4#3/0 CU THWN, 1#6 CU GND	FEEDER
FC1	PANEL 'DP-G'	TRANSFORMER 'T-G'	ONE 2"C	3#1 CU THWN, 1#6 CU GND	FEEDER
FC2	TRANSFORMER 'T-G'	PANEL 'DP-L'	ONE 3"C	4#350 KCMIL CU THWN, 1#2 CU GND (SSBJ)	FEEDER WITH SUPPLY-SIDE BONDING JUMPER
FC3	PANEL 'DP-L'	PANEL 'GH'	ONE 2"C	4#3/0 CU THWN, 1#6 CU GND	FEEDER
FC4	PANEL 'DP-L'	PANEL 'SH'	ONE 1 1/4"C	4#6 CU THWN, 1#10 CU GND	FEEDER
FC5	PANEL 'DP-L'	PANEL 'RR'	ONE 1 1/4"C	4#6 CU THWN, 1#10 CU GND	FEEDER
FC6	PANEL 'GH'	PANEL 'GH1'	ONE 1"C	4#6 CU THWN, 1#10 CU GND	FEEDER
FC7	PANEL 'GH'	PANEL 'GH2'	ONE 1"C	4#6 CU THWN, 1#10 CU GND	FEEDER
FC8	PANEL 'GH'	PANEL 'GH3'	ONE 1"C	4#6 CU THWN, 1#10 CU GND	FEEDER
FC9	PANEL 'GH'	PANEL 'GH4'	ONE 1"C	4#6 CU THWN, 1#10 CU GND	FEEDER
FC10	PANEL 'GH'	PANEL 'GH5'	ONE 1"C	4#6 CU THWN, 1#10 CU GND	FEEDER

1

PANEL: DP-G

NEW PANELBOARD | 200 AMP BUS | 277/480V, 3 PH, 4 W | 100% RATED NEUTRAL
MAIN: 200A CB | TRIP: THERMAL-MAGNETIC | A.I.C.: 25000 A
LOCATION: STORAGE BAY NORTH EXTERIOR | MOUNTING: FLUSH PER DETAIL 2/A122-AC | ENCLOSURE: NEMA 3R

CIRCUIT		BREAKER		SERVES	VOLT-AMPERES					SERVES	BREAKER		CIRCUIT	
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C	LOAD		AMP	POLE	PNL SPACE	CKT NO.
1	1	20	1	SPARE	0	0			0	SPARE	20	1	2	2
3	3	20	1	SPARE	0		0		0	SPARE	20	1	4	4
5	5	20	1	SPARE	0			0	0	SPARE	20	1	6	6
7	7	20	1	SPARE	0	0			0	SPARE	20	1	8	8
9	9	20	1	SPARE	0		0		0	SPARE	20	1	10	10
11	11	20	1	SPARE	0			0	0	SPARE	20	1	12	12
13	13	20	1	SPARE	0	6667			6667				14	14
15	15	20	1	SPARE	0		6667		6667	GREENHOUSE HEATER	30	3	16	16
17	17	20	1	SPARE	0			6667	6667				18	18
19	19	20	1	SPARE	0	6667			6667				20	20
21	21	20	1	SPARE	0		6667		6667	GREENHOUSE HEATER	30	3	22	22
23	23	20	1	SPARE	0			6667	6667				24	24
25	25	20	1	SPARE	0	6667			6667				26	26
27	27	20	1	SPARE	0		6667		6667	GREENHOUSE HEATER	30	3	28	28
29	29	20	1	SPARE	0			6667	6667				30	30
31	31	20	1	SPARE	0	6667			6667				32	32
33	33	20	1	SPARE	0		6667		6667	GREENHOUSE HEATER	30	3	34	34
35	35	20	1	SPARE	0			6667	6667				36	36
37	37				3600	10267			6667				38	38
39	39	125	3	TRANSFORMER 'T-G'	930		7597		6667	GREENHOUSE HEATER	30	3	40	40
41	41				2770			9437	6667				42	42
				TOTAL CONNECTED LOAD (VA) :		36935	34265	36105						
				25% LCL/LML (VA) :		0	0	0						
				TOTAL CALCULATED LOAD (VA) :		36935	34265	36105	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		133.3	123.7	130.3	107305 VA					

PANEL: DP-L

NEW PANELBOARD | 400 AMP BUS | 120/208V, 3 PH, 4 W | 100% RATED NEUTRAL
MAIN: 300A CB | TRIP: THERMAL-MAGNETIC | A.I.C.: 10000 A
LOCATION: STORAGE BAY NORTH EXTERIOR | MOUNTING: FLUSH PER DETAIL 2/A122-AC | ENCLOSURE: NEMA 3R

CIRCUIT		BREAKER		SERVES	VOLT-AMPERES					SERVES	BREAKER		CIRCUIT	
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C	LOAD		AMP	POLE	PNL SPACE	CKT NO.
1	1	20	1	SPARE	0	0			0	SPARE	20	1	2	2
3	3	20	1	SPARE	0		0		0	SPARE	20	1	4	4
5	5	20	1	SPARE	0			0	0	SPARE	20	1	6	6
7	7	20	1	SPARE	0	0			0	SPARE	20	1	8	8
9	9	20	1	SPARE	0		0		0	SPARE	20	1	10	10
11	11	20	1	SPARE	0			0	0	SPARE	20	1	12	12
13	13	20	1	SPARE	0	0			0	SPARE	20	1	14	14
15	15	20	1	SPARE	0		500		500	STORAGE BAY INTERIOR LIGHTING	20	1	16	16
17	17	20	1	SPARE	0			500	500	STORAGE BAY EXTERIOR LIGHTING	15	1	18	18
19	19				360	360			0	SPARE	15	1	20	20
21	21	60	3	PANEL 'SH'	360		360		0	SPARE	15	1	22	22
23	23				860			860	0	SPARE	15	1	24	24
25	25				2700	3240			540				26	26
27	27	200	3	PANEL 'GH'	0		70		70	PANEL 'RR'	60	3	28	28
29	29				1250			1410	160				30	30
				TOTAL CONNECTED LOAD (VA) :		3600	930	2770						
				25% LCL/LML (VA) :		0	0	0						
				TOTAL CALCULATED LOAD (VA) :		3600	930	2770	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		30.0	7.8	23.1	7300 VA					

PANEL: GH

NEW PANELBOARD | 200 AMP BUS | 120/208V, 3 PH, 4 W | 100% RATED NEUTRAL
MAIN: 200A CB | TRIP: THERMAL-MAGNETIC | A.I.C.: 10000 A
LOCATION: GREENHOUSE WEST EXTERIOR | MOUNTING: POST/STRUT | ENCLOSURE: NEMA 3R

CIRCUIT		BREAKER		SERVES	VOLT-AMPERES					SERVES	BREAKER		CIRCUIT	
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C	LOAD		AMP	POLE	PNL SPACE	CKT NO.
1	1	20	1	SPARE	0	0			0	SPARE	20	1	2	2
3	3	20	1	SPARE	0		0		0	SPARE	20	1	4	4
5	5	20	1	SPARE	0			0	0	SPARE	20	1	6	6
7	7	20	1	SPARE	0	0			0	SPARE	20	1	8	8
9	9	20	1	SPARE	0		0		0	SPARE	20	1	10	10
11	11	20	1	SPARE	0			0	0	SPARE	15	1	12	12
13	13				540	540			0	SPARE	15	1	14	14
15	15	60	3	PANEL 'GH1'	0		0		0	SPARE	15	1	16	16
17	17				250			250	0	SPARE	15	1	18	18
19	19				540	1080			540				20	20
21	21	60	3	PANEL 'GH2'	0		0		0	PANEL 'GH4'	60	3	22	22
23	23				250			500	250				24	24
25	25				540	1080			540				26	26
27	27	60	3	PANEL 'GH3'	0		0		0	PANEL 'GH5'	60	3	28	28
29	29				250			500	250				30	30
				TOTAL CONNECTED LOAD (VA) :		2700	0	1250						
				25% LCL/LML (VA) :		0	0	0						
				TOTAL CALCULATED LOAD (VA) :		2700	0	1250	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		22.5	0.0	10.4	3950 VA					

PANEL: SH

NEW PANELBOARD | 100 AMP BUS | 120/208V, 3 PH, 4 W | 100% RATED NEUTRAL
MAIN: 60A CB | TRIP: THERMAL-MAGNETIC | A.I.C.: 10000 A
LOCATION: SHADE HOUSE EAST EXTERIOR | MOUNTING: SURFACE | ENCLOSURE: NEMA 3R

CIRCUIT		BREAKER		SERVES	VOLT-AMPERES					SERVES	BREAKER		CIRCUIT	
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C	LOAD		AMP	POLE	PNL SPACE	CKT NO.
1	1	20	1	SHADE HOUSE RECEPTACLES	360	360			0	SPARE	20	1	2	2
3	3	20	1	SHADE HOUSE RECEPTACLES	360		360		0	SPARE	20	1	4	4
5	5	20	1	SHADE HOUSE RECEPTACLES	360			360	0	SPARE	20	1	6	6
7	7	20	1	SPARE	0	0			0	SPARE	20	1	8	8
9	9	20	1	SPARE	0		0		0	SPARE	20	1	10	10
11	11	20	1	SPARE	0			0	0	SPARE	20	1	12	12
13	13	20	1	SPARE	0	0			0	SPARE	20	1	14	14
15	15	20	1	SPARE	0		0		0	SPARE	20	1	16	16
17	17	20	1	SPARE	0			0	0	SPARE	20	1	18	18
19	19	20	1	SPARE	0	0			0	SPARE	20	1	20	20
21	21	15	1	SPARE	0		0		0	SPARE	20	1	22	22
23	23	15	1	SPARE	0			0	0	SPARE	20	1	24	24
25	25	15	1	SPARE	0	0			0	SPARE	20	1	26	26
27	27	15	1	SPARE	0		0		0	SPARE	20	1	28	28
29	29	15	1	SPARE	0			500	500	SHADE HOUSE LIGHTING	20	1	28	28
				TOTAL CONNECTED LOAD (VA) :		360	360	860						
				25% LCL/LML (VA) :		0	0	0						
				TOTAL CALCULATED LOAD (VA) :		360	360	860	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		3.0	3.0	7.2	1580 VA					

1

PANEL: RR

NEW PANELBOARD | 100 AMP BUS | 120/208V, 3 PH, 4 W | 100% RATED NEUTRAL
MAIN: 100A CB | TRIP: THERMAL-MAGNETIC | A.I.C.: 10000 A
LOCATION: RESTROOM EAST EXTERIOR | MOUNTING: SURFACE | ENCLOSURE: NEMA 3R

CIRCUIT		BREAKER		SERVES	VOLT-AMPERES					SERVES	BREAKER		CIRCUIT	
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C	LOAD		AMP	POLE	PNL SPACE	CKT NO.
1	1	20	1	RESTROOM RECEPTACLES	360	540			180	IRRIGATION CONTROLLER	20	1	2	2
3	3	20	1	RESTROOM LIGHTS	70		70		0	SPARE	20	1	4	4
5	5	20	1	SPARE	0			0	0	SPARE	20	1	6	6
7	7	20	1	SPARE	0	0			0	SPARE	20	1	8	8
9	9	20	1	SPARE	0		0		0	SPARE	20	1	10	10
11	11	20	1	SPARE	0			0	0	SPARE	20	1	12	12
13	13	20	1	SPARE	0	0			0	SPARE	20	1	14	14
15	15	20	1	SPARE	0		0		0	SPARE	20	1	16	16
17	17	15	1	EXHAUST FANS	160			160	0	SPARE	15	1	18	18
				TOTAL CONNECTED LOAD (VA) :		540	70	160						
				25% LCL/LML (VA) :		0	0	0						
				TOTAL CALCULATED LOAD (VA) :		540	70	160	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		4.5	0.6	1.3	770 VA					

PANEL: GH1

NEW PANELBOARD | 100 AMP BUS | 120/208V, 3 PH, 4 W | 100% RATED NEUTRAL
MAIN: 60A CB | TRIP: THERMAL-MAGNETIC | A.I.C.: 10000 A
LOCATION: GREENHOUSE INTERIOR | MOUNTING: POST/STRUT | ENCLOSURE: NEMA 3R

CIRCUIT		BREAKER		SERVES	VOLT-AMPERES					SERVES	BREAKER		CIRCUIT	
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C	LOAD		AMP	POLE	PNL SPACE	CKT NO.
1	1	20	1	GREENHOUSE RECEPTACLES	540	540			0	SPARE	20	1	2	2
3	3	20	1	SPARE	0		0		0	SPARE	20	1	4	4
5	5	20	1	SPARE	0			0	0	SPARE	20	1	6	6
7	7	20	1	SPARE	0	0			0	SPARE	20	1	8	8
9	9	20	1	SPARE	0		0		0	SPARE	20	1	10	10
11	11	20	1	GREENHOUSE LIGHTING	250			250	0	SPARE	20	1	12	12
13	13	15	1	SPARE	0	0			0	SPARE	15	1	14	14
15	15	15	1	SPARE	0		0		0	SPARE	15	1	16	16
17	17	15	1	SPARE	0			0	0	SPARE	15	1	18	18
				TOTAL CONNECTED LOAD (VA) :		540	0	250						
				25% LCL/LML (VA) :		0	0	0						
				TOTAL CALCULATED LOAD (VA) :		540	0	250	TOTAL CALCULATED LOAD FOR PANEL:					
				TOTAL CALCULATED LOAD (AMPS) :		4.5	0.0	2.1	790 VA					

PANELS GH2, GH3, GH4, GH5 SIMILAR

SINGLE LINE DIAGRAM 1

GENERAL NOTES

A. CIRCUIT BREAKERS SUPPLYING CLASS 1 TRANSFORMERS SHALL BE LOCKABLE IN THE OFF POSITION.

B. CIRCUIT IDENTIFICATION - A TYPEWRITTEN CIRCUIT DIRECTORY SHALL BE PROVIDED AT EACH PANELBOARD AND SWITCHBOARD IN ACCORDANCE WITH CEC ARTICLE 408.4(A). THE CONTRACTOR SHALL DEVELOP AND PREPARE THE CIRCUIT IDENTIFICATION DESCRIPTION BASED ON THE AS-BUILT CONDITION.

C. SOURCE OF SUPPLY IDENTIFICATION - ALL SWITCHBOARDS, PANELBOARDS AND TRANSFORMERS SHALL HAVE A TYPEWRITTEN LABEL APPLIED INDICATING THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES PER CEC ARTICLE 408.4(B).

MARK	DATE	DESCRIPTION
1	9/7/23	ACCESSORY BLDG ADDENDUM 1
F	8/14/23	ACCESSORY BLDG BID SET

TETER, LLP
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED
TETER

AG SCIENCE CENTER
BAKERSFIELD COLLEGE
1801 PANORAMA DRIVE
BAKERSFIELD, CA

DRAWING TITLE
SINGLE LINE DIAGRAM

PROJECT NO.
20-11707.01

DRAWING
E750-AC

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CODES, RULES & REGULATIONS

ALL WORK SHOWN HEREIN SHALL COMPLY WITH THE CURRENT REGULATIONS OF THE CALIFORNIA STATE FIRE MARSHAL, CALIFORNIA BUILDING CODE, TITLES 8 AND 19 THROUGH 24, SERVING UTILITY RULES AND ALL OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS SHALL BE INTERPRETED AS TO PERMIT ANY WORK NOT IN CONFORMANCE WITH THESE CODES, RULES AND REGULATIONS. WHERE WORK OF A GREATER DEGREE IS INDICATED IN THESE PLANS OR SPECIFICATIONS, THAT REQUIREMENT SHALL GOVERN SUCH WORK.

C.E.C. TITLE 24 COMPLIANCE

THE LIGHTING AND LIGHTING CONTROL SYSTEMS DESIGN DEPICTED HEREIN IS IN COMPLIANCE WITH REQUIREMENTS OF THE CURRENT CALIFORNIA ENERGY COMMISSION EFFICIENCY STANDARDS FOR NONRESIDENTIAL BUILDINGS.

GENERAL NOTES (TYPICAL)

1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNTED ELECTRICAL EQUIPMENT.
2. REFER TO THE MECHANICAL AND PLUMBING PLANS FOR THE EXACT LOCATION OF ALL MECHANICAL, HVAC AND PLUMBING EQUIPMENT.
3. VERIFY THE EXACT LOCATION OF ALL FLOOR BOXES AND ASSOCIATED TRENCH, BACKFILL AND SAWCUTTING REQUIREMENTS WITH THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY ROUGH -IN WORK FOR THIS EQUIPMENT.
4. COORDINATE ELECTRICAL PANEL AND TERMINAL CABINET LOCATIONS AND ROUTING OF UNDERGROUND CONDUITS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO COMMENCEMENT OF ANY ROUGH-IN WORK FOR THIS EQUIPMENT.
5. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES WHOSE WORK WILL IMPACT PLACEMENT OR CONNECTION OF ELECTRICALLY POWERED EQUIPMENT REGARDLESS OF RESPONSIBILITY FOR SUPPLYING EQUIPMENT.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, 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.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVEABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVEABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND THE ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS 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.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION. THE PROJECT INSPECTOR 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 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 SECTION 13.6.7, 13.6.6, 13.6.5, AND 2019 CBC, SECTIONS 1617A.1.23, 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., SMACNA OR OSHPD OPM), 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.

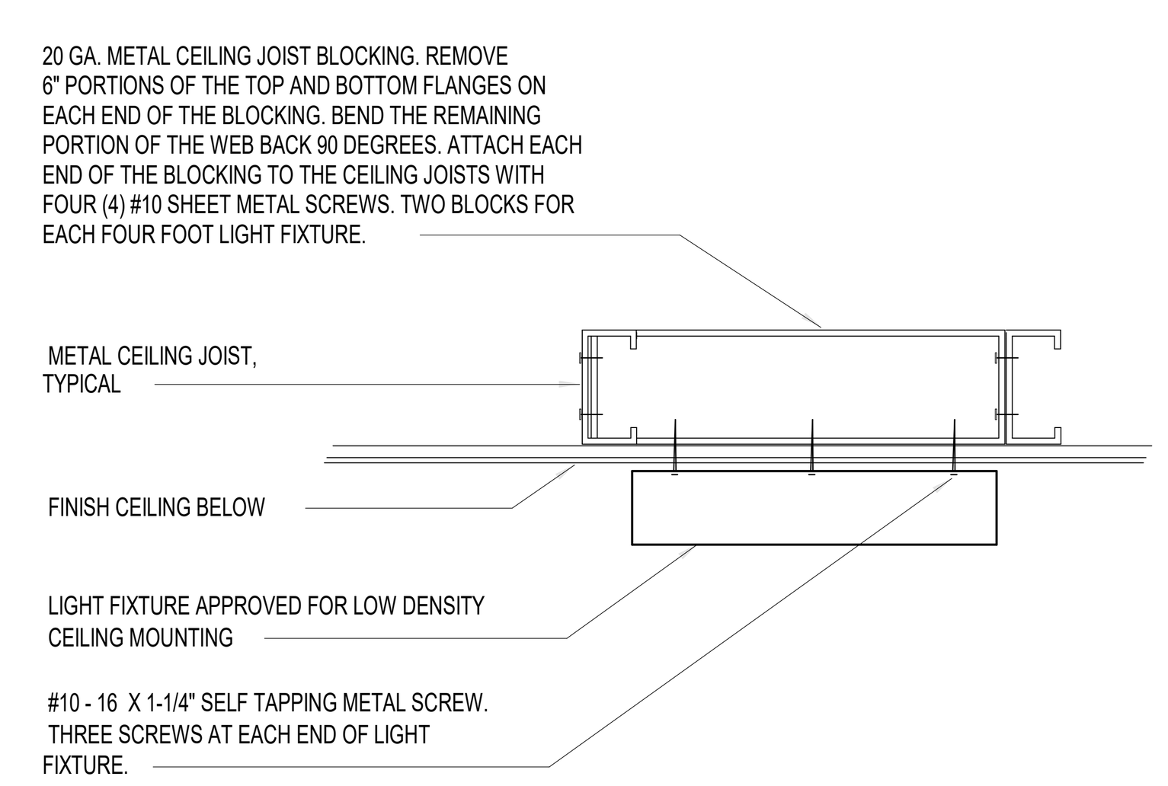
ELECTRICAL DISTRIBUTION SYSTEMS:

SHALL COMPLY WITH THE OSHPD PRE-APPROVAL (OPM) #OPM-0052-13, "SEISMIC BRACING AND SUPPORT SYSTEMS"

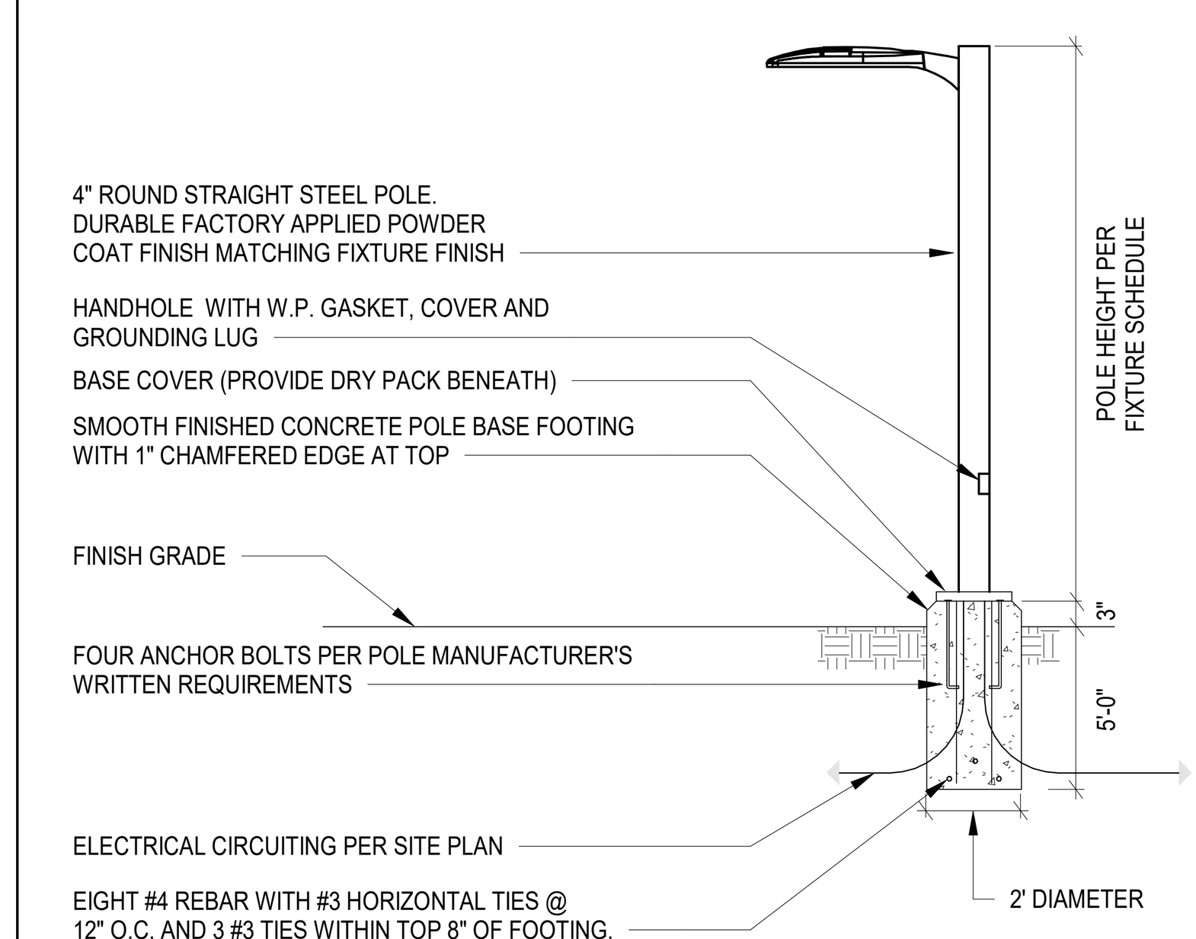
GENERAL NOTES 10

LIGHTING FIXTURE SCHEDULE							
FIXTURE DESIGNATION	FIXTURE VOLTAGE	FIXTURE WATTAGE	MOUNTING	DRIVER & LED COLOR TEMPERATURE	DESCRIPTION	MANUFACTURER	CATALOG #
B1E	120	35	SURFACE PER 8/E850-AC	LED - 4000K + EMERGENCY DRIVER	1x4 SURFACE WITH EMERGENCY BATTERY BACKUP	LITHONIA	STL4-40L-EZ1-LP840-E10WLCP
T1	277	102	POLE PER 4/E850-AC	LED - 4000K	TWO POLE MOUNTED LED FIXTURES AT 90° ON 20' ROUND STRAIGHT STEEL POLE - ALUMINUM FINISH	LITHONIA	DSX1 LED-P1-40K-T4M-MVOLT-RPA-PIR-DNAX WITH RSS-20-4B-DM29AST-DNAXD POLE
GH	120	24	SUSPENDED	LED - 4000K	4' SUSPENDED LED - VAPOR TIGHT WITH CHAIN HANGER	LITHONIA	CSVT-L48-3000LM-MVOLT-40K-80CRI-MHCH36SS
GHE	120	20	WALL PER ARCH. ELEVATION	LED - 4000K	VAPOR TIGHT WALL MOUNT	NUVO	65-550
SB	120	24	SUSPENDED	LED - 4000K	4' SUSPENDED LED - VAPOR TIGHT WITH CHAIN HANGER	LITHONIA	CSVT-L48-3000LM-MVOLT-40K-80CRI-MHCH36SS
SBE	120	68	SURFACE TO STRUCTURE	LED - 4000K	8' SURFACE LED - VAPOR TIGHT	LITHONIA	CSVT-L96-8000LM-MVOLT-40K-80CRI
SH	120	24	SUSPENDED	LED - 4000K	4' SUSPENDED LED - VAPOR TIGHT WITH CHAIN HANGER	LITHONIA	CSVT-L48-3000LM-MVOLT-40K-80CRI-MHCH36SS

LIGHTING FIXTURE SCHEDULE 3

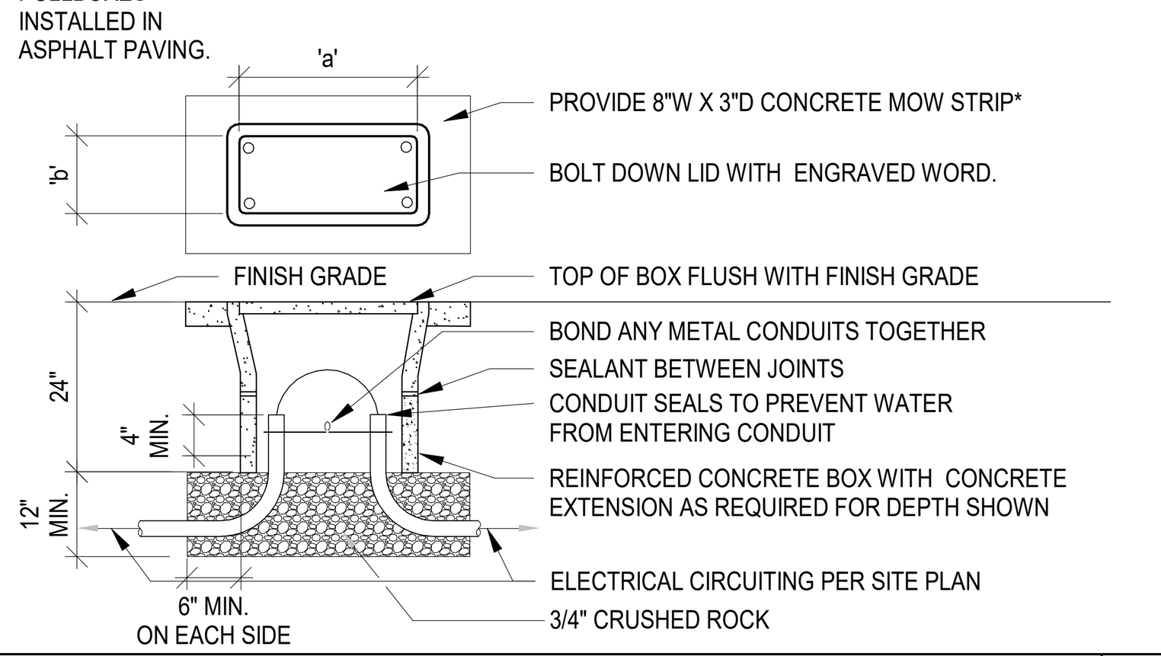


SURFACE FIXTURE MOUNTING N.T.S. 8

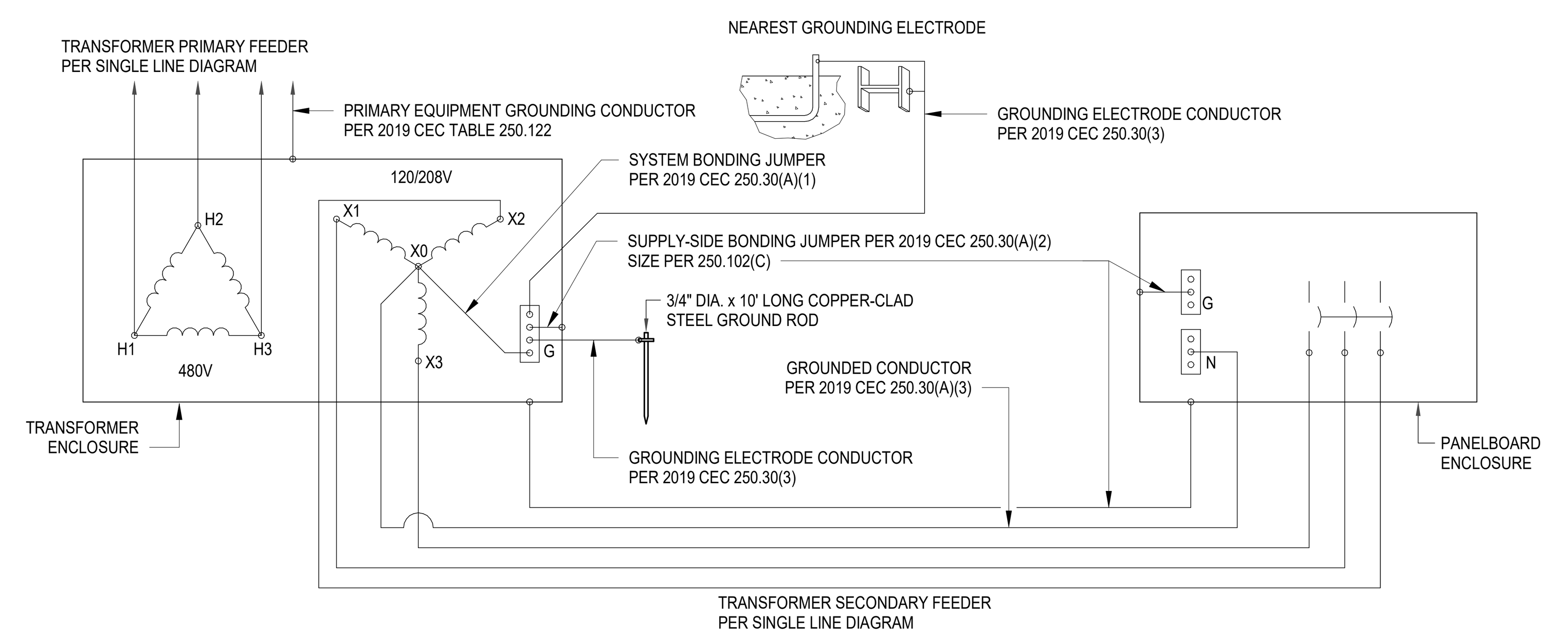


POLE FIXTURE MOUNTING N.T.S. 4

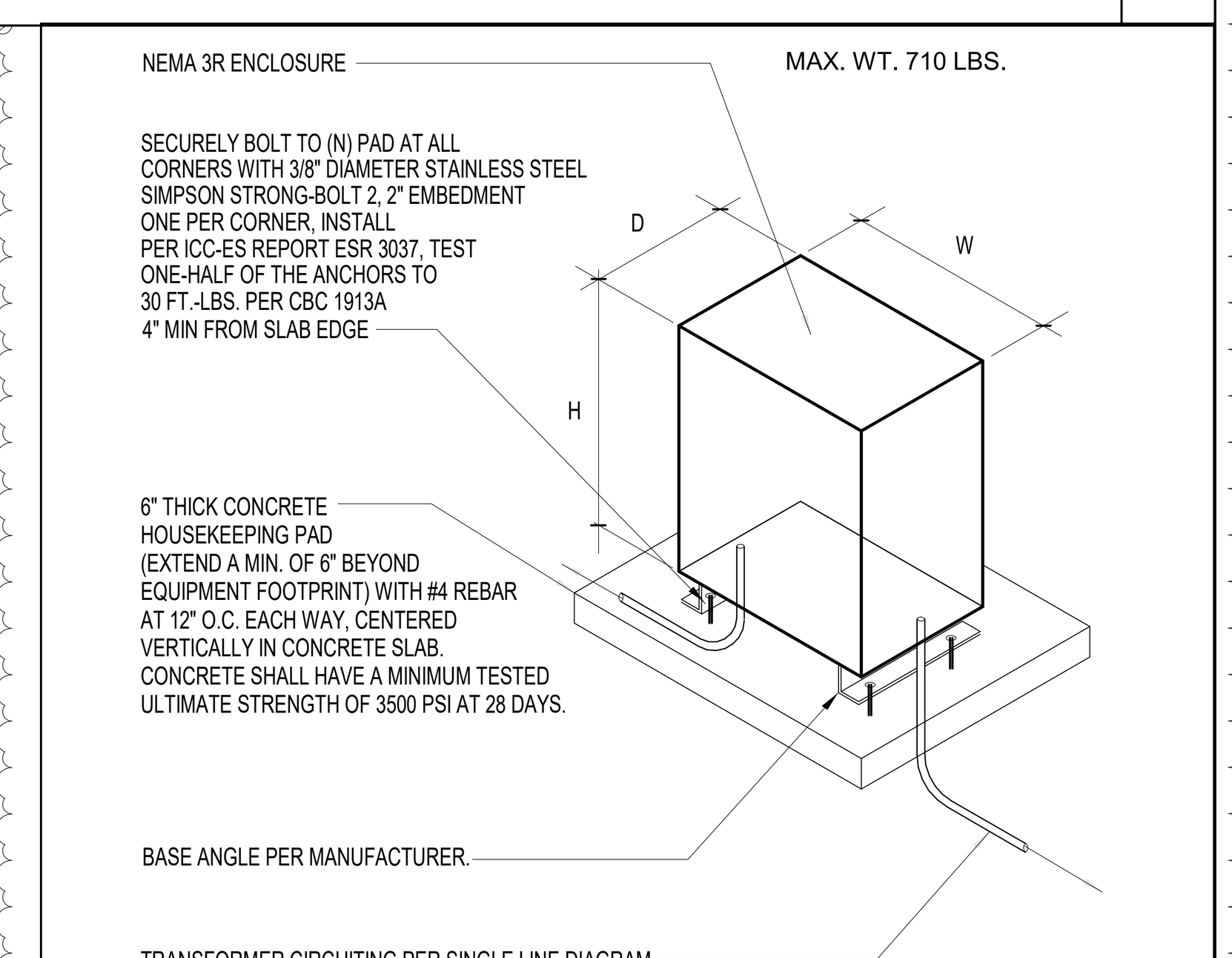
*NOTE:		DIMENSION 'a'	DIMENSION 'b'	ENGRAVING	LID TYPE
WHERE PULLBOX IS ADJACENT TO CONCRETE WALK, EXTEND MOWSTRIP TO CONNECT WITH WALK. CONCRETE MOW STRIP IS NOT REQUIRED ON PULLBOXES INSTALLED IN ASPHALT PAVING.	'P1'	24"	13"	POWER	CONCRETE
	'L1'	24"	13"	LIGHTING	CONCRETE
	'S1'	36"	24"	COMM.	CONCRETE



U.G. PULLBOX N.T.S. 11



STEP DOWN TRANSFORMER GROUNDING ELECTRODE SYSTEM N.T.S. 5



TRANSFORMER MOUNTING N.T.S. 6

ELECTRICAL SYMBOL LEGEND

DIMENSIONS INDICATED ARE MEASURED TO CENTERLINE OF ENCLOSURE, UNLESS OTHERWISE NOTED
NOTE: SOME SYMBOLS SHOWN MAY NOT APPLY TO THIS PROJECT

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
O.C.	DENOTES SPACING DIMENSION ON CENTER LINE OF DEVICE	$ a	SINGLE POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N. / LOWER CASE SUBSCRIPT INDICATES CONTROLLED SWITCHLEG OF CIRCUIT
R.T.	DENOTES RAIN TIGHT CONSTRUCTION	$ 2	TWO POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
U.G.	DENOTES UNDERGROUND INSTALLATION	$ 3	THREE WAY AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
V.P.	DENOTES VAPOR TIGHT CONSTRUCTION	$ 4	FOUR WAY AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
W.P.	DENOTES WEATHERPROOF CONSTRUCTION	$ M	HORSEPOWER RATED AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.
W.T.	DENOTES WATER TIGHT CONSTRUCTION	$ P	SINGLE POLE AC SNAP SWITCH WITH PILOT LAMP @ +48" TO TOP OF BOX U.O.N.
A.F.F.	DENOTES ABOVE FINISHED FLOOR	$ T	DIGITAL TIMER SWITCH, FLUSH MOUNTED @ +48" TO TOP OF BOX U.O.N.
A.F.G.	DENOTES ABOVE FINISHED GRADE	$ A	SINGLE POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
F.B.O.	DENOTES FURNISHED BY OTHERS	$ K	KEY OPERATED AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.
U.O.N.	DENOTES UNLESS OTHERWISE NOTED	$ CS	SYSTEM CONTROL SWITCH PER PLANS, @ 48" TO TOP OF BOX U.O.N.
(E)	DENOTES EXISTING TO REMAIN, NO WORK U.O.N.	$	WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR @ +48" TO TOP OF BOX, U.O.N.
(N)	DENOTES NEW	M	OCCUPANCY SENSOR - CEILING MOUNTED
1	ELECTRICAL KEYNOTES: DENOTES KEYNOTE #1 OF NOTES ON SAME SHEET	M W	OCCUPANCY SENSOR - WALL MOUNTED @ +90" TO TOP OF BOX, U.O.N.
A-3	CIRCUIT HOME RUN: DENOTES PANEL A, CKT. #3, - 3/4"C. MINIMUM, U.O.N.	P	LIGHTING CONTROL SYSTEM DIMMING/POWER PACK MOUNTED IN ATTIC
F1	CIRCUIT FEEDER: DENOTES FEEDER 'F1' PER SYSTEM FEEDER SCHEDULE	RP	LIGHTING CONTROL SYSTEM PLUG LOAD RELAY PACK MOUNTED IN ATTIC
	CONDUIT IN ATTIC/WALL: DENOTES 3/4"C-2#12 AWG CU THWN, 1#12 CU GND, U.O.N.	C1	LIGHTING CONTROL SYSTEM 2-BUTTON DIMMING WALL SWITCH @ +42" TO TOP OF BOX, U.O.N.
	CONDUIT IN FLOOR/U.G.: DENOTES 3/4"C-2#12 AWG CU THWN, 1#12 CU GND, U.O.N.	C4	LIGHTING CONTROL SYSTEM 4-BUTTON DIMMING WALL SWITCH @ +42" TO TOP OF BOX, U.O.N.
	DENOTES EXISTING CONDUIT RUN TO REMAIN	C1 L	LIGHTING CONTROL SYSTEM DIMMING WALL SWITCH WITH LOCKING COVER @ +42" TO TOP OF BOX, U.O.N.
	CONDUIT RUN - STUBBED, CAPPED AND LABELED.	DS	LIGHTING CONTROL SYSTEM DAYLIGHT SENSOR - CEILING MOUNTED
	CONDUIT RUN: DENOTES 3/4"C - 3 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.	nB	LIGHTING CONTROL SYSTEM NETWORK BRIDGE
	CONDUIT RUN: DENOTES 3/4"C - 4 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.	nG	LIGHTING CONTROL SYSTEM NETWORK GATEWAY
	CONDUIT RUN: DENOTES 3/4"C - 5 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.	AD	LIGHTING CONTROL SYSTEM AUTOMATED DEMAND RESPONSE MODULE
	CONDUIT RUN: DENOTES 1"C - 6 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.	TC	LIGHTING CONTROL SYSTEM TIME CLOCK
	SEPARATE POWER AND DATA FLOOR BOXES (2)	PC	PHOTOCELL CONTROL MOUNTED ON ROOF
	FLUSH FLOOR BOX WITH DEVICE(S) INSTALLED PER PLANS, U.O.N. (2)		
	TAMPER-RESISTANT SINGLE RECEPTACLE IN WALL @ +18", U.O.N.	T	LOW VOLTAGE CONTROL TRANSFORMER
	TAMPER-RESISTANT DUPLEX RECEPTACLE IN WALL @ +18", U.O.N.		
	TAMPER-RESISTANT DUPLEX GFI RECEPTACLE, IN WALL @ 18", U.O.N.		ELECTRICAL PANELBOARD PER PLANS, FLUSH MOUNTED IN WALL (4)
U	TAMPER-RESISTANT DUPLEX RECEPTACLE W/ USB IN WALL @ +18", U.O.N.		ELECTRICAL PANELBOARD PER PLANS, SURFACE MOUNTED ON WALL
WP	TAMPER-RESISTANT WEATHER RESISTANT (W/R) DUPLEX GFCI RECEPTACLE W/ W.P. COVER @+18", U.O.N.		TERMINAL CABINET PER PLANS, FLUSH MOUNTED IN WALL (5)
	TAMPER-RESISTANT QUADRUPLEX RECEPTACLE IN WALL @ +18", U.O.N.		TERMINAL CABINET PER PLANS, SURFACE MOUNTED ON WALL
	SPECIAL PURPOSE ELECTRICAL OUTLET PER PLAN IN WALL @ 18" U.O.N.		CONTROL PANEL PER PLANS, FLUSH MOUNTED IN WALL (5)
	DUPLEX RECEPTACLE FLUSH IN CEILING		CONTROL PANEL PER PLANS, SURFACE MOUNTED ON WALL
J	JUNCTION BOX		LIGHTING CONTROL PANEL PER PLANS, FLUSH MOUNTED IN WALL (5)
J	JUNCTION BOX WITH FLEXIBLE CONDUIT CONNECTION TO EQUIPMENT		LIGHTING CONTROL PANEL PER PLANS, SURFACE MOUNTED ON WALL
	NON-FUSIBLE DISCONNECT SWITCH		FIRE ALARM PANEL PER PLANS, FLUSH MOUNTED IN WALL (5)
	FUSIBLE DISCONNECT SWITCH		FIRE ALARM PANEL PER PLANS, SURFACE MOUNTED ON WALL
	FUSIBLE DISCONNECT SWITCH WITH INTEGRAL MAGNETIC STARTER		
	ELECTRIC MOTOR	S	EXTERIOR SPEAKER, ELEVATION AS NOTED (3)
	EXHAUST FAN OR FRACTIONAL HORSEPOWER MOTOR	SP	SPEAKER, PENDANT MOUNT (3)
	SURFACE MOUNTED RACEWAY, MOUNT @ +18" A.F.F. U.ON.	S	SPEAKER/CLOCK IN COMMON BACKBOX PER PLAN @ 12" BELOW CEILING, U.O.N. (3)
	RECESSED LED LIGHTING FIXTURE		WALL CLOCK PER PLAN @ 12" BELOW CEILING, U.O.N. (3)
	RECESSED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	SR	SPEAKER, 24"X24" DROP IN TILE (3)
	SURFACE MOUNTED LED LIGHTING FIXTURE		
	SURFACE MOUNTED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	MD	INTRUSION ALARM SYSTEM MOTION DETECTOR
	SURFACE MOUNTED LED STRIP LIGHT	DC	INTRUSION ALARM SYSTEM MAGNETIC DOOR CONTACT
	SURFACE MOUNTED LED STRIP LIGHT WITH EMERGENCY BATTERY BACKUP	WC	INTRUSION ALARM SYSTEM MAGNETIC WINDOW CONTACT
	POST TOP MOUNTED LIGHTING FIXTURE	GB	INTRUSION ALARM SYSTEM GLASS BREAK DETECTOR
	WALL MOUNTED LIGHTING FIXTURE	KP	INTRUSION ALARM SYSTEM KEYPAD
	WALL MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	CR	INTRUSION ALARM SYSTEM CARD READER
	CEILING MOUNTED LIGHTING FIXTURE	FR	INTRUSION ALARM SYSTEM FOB READER
	CEILING MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	C	SECURITY CAMERA ROUGH-IN LOCATION PER PLAN (3)
	RECESSED LIGHTING FIXTURE		
	RECESSED FIXTURE WITH EMERGENCY BATTERY BACKUP	SD	FIRE ALARM SMOKE DETECTOR ON CEILING, U.O.N.
	SURFACE MOUNTED ROUND LIGHTING FIXTURE	HD	FIRE ALARM HEAT DETECTOR ON CEILING, U.O.N.
	SURFACE MOUNTED ROUND LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	DD	FIRE ALARM DUCT DETECTOR IN HVAC DUCT
	ILLUMINATED EXIT SIGN MOUNTED ON CEILING	WT	FIRE ALARM ADDRESSABLE WATERFLOW / TAMPER SWITCH MODULE
	ILLUMINATED EXIT SIGN MOUNTED ON WALL	CC	FIRE ALARM ADDRESSABLE INPUT/OUTPUT MODULE
	LOW LEVEL PHOTOLUMINESCENT EXIT SIGN MOUNTED ON WALL	CR	FIRE ALARM ADDRESSABLE CONTROL RELAY MODULE
	POLE MOUNTED EXTERIOR LIGHTING FIXTURE	AM	FIRE ALARM INDIVIDUAL ADDRESSABLE MODULE
		F	FIRE ALARM MANUAL PULL STATION @ +48" TO TOP OF BOX, U.O.N.
2/2	COMBINATION VOICE AND DATA OUTLET IN WALL, WITH TWO 'D' CABLES TO IDF + TWO 'T' CABLES TO TELEPHONE BACKBOARD. (1) (6)	V	FIRE ALARM VISUAL ALARM UNIT @ +80" MINIMUM, U.O.N.
X	DATA OUTLET IN WALL @ +18", U.O.N., WITH 'D' CABLES TO IDF OR MDF (SUBSCRIPT INDICATES QUANTITY OF CABLES AND STATION SIDE JACKS) (1) (6)	H	INTERIOR FIRE ALARM HORN @ +10'-0", U.O.N.
CP	AV CONTROL PANEL OUTLET @ +48", U.O.N., PROVIDE ONE 'D' CABLE TO IDF (1) (6)	H	EXTERIOR FIRE ALARM HORN
M	MICROPHONE OUTLET IN WALL @ +18", U.O.N. (1)	AV	FIRE ALARM HORN/STROBE ALARM UNIT @ +80" MINIMUM, U.O.N.
S	SPEAKER OUTLET IN WALL @ +18", U.O.N. (1)	SV	VOICE EVACUATION SPEAKER/STROBE ALARM UNIT @ +80" MINIMUM, U.O.N.
IC	INTERCOMMUNICATIONS HANDSET ON WALL @ +48" TO TOP OF BOX U.O.N.	S	EXTERIOR VOICE EVACUATION SPEAKER
WAP	WIRELESS ACCESS POINT LOCATION, PROVIDE TWO TYPE 'D' CABLES TO IDF OR MDF		FIRE ALARM CIRCUIT END OF LINE RESISTOR

ELECTRICAL SYMBOLS NOTES:

(1) RUN 1"C CONCEALED IN WALL AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING, U.O.N.

(2) RUN 1"C TO NEAREST WALL, THEN RISE CONCEALED IN WALL AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING, U.O.N. FOR SINGLE SYSTEMS INDIVIDUAL FLOORBOXES. WHERE MULTIPLE SYSTEMS OCCUR WITHIN A COMMON FLOOR BOX, RUN TWO 1"C PER ABOVE.

(3) PROVIDE SECURITY SYSTEM DEVICES AND WIRING PER SPECIFICATIONS

(4) IN ADDITION TO CONDUITS SHOWN ON PLANS, STUB ONE 1 1/4"C, ONE 1"C, AND TWO 3/4"C (SPARE) INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING, U.O.N. THIS REQUIREMENT APPLIES TO EACH POWER AND LIGHTING PANEL INDICATED FLUSH MOUNTED ON POWER PLAN.

(5) IN ADDITION TO CONDUITS SHOWN ON PLANS, STUB ONE 1"C AND TWO 3/4"C (SPARE) INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING U.O.N.. REQUIREMENT APPLIES TO EACH SIGNAL SYSTEM T.C. INDICATED FLUSH MOUNTED ON SIGNAL PLAN.

(6) 4S BACKBOX WITH SINGLE GANG TRIM AND COVERPLATE.

(7) ORANGE DEVICE (ISOLATED GROUND DUPLEX RECEPT. ONLY) WITH ENGRAVED WORDING ON COVER PLATE ABOVE ISOLATED GROUND RECEPT.: "COMPUTER ONLY".

SYMBOL LEGEND AND NOTES 1

TRANSFORMER SCHEDULE								
TRANSFORMER DESIGNATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	KVA RATING	SUPPLY-SIDE & SYSTEM BONDING JUMPER SIZES	ENCLOSURE	DIMENSIONS (H x W x D)	WEIGHT	REMARKS
'T-G'	480 DELTA	208Y/120	75	#2 CU	NEMA 3R	42" x 30.06" x 22.75"	710 LBS.	1 2

TRANSFORMER SCHEDULE NOTES:

1. TRANSFORMER SHALL BE COMPLIANT WITH DOE 2016 ENERGY EFFICIENCY STANDARD.
2. TRANSFORMER GROUND PER DETAIL 5/E850-AC.

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TRANSFORMER SCHEDULE 2

MARK	DATE	DESCRIPTION
1	9/7/23	ACCESSORY BLDG ADDENDUM 1
F	8/14/23	ACCESSORY BLDG BID SET

TETER, LLP
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED
TETER

AG SCIENCE CENTER
BAKERSFIELD COLLEGE
1801 PANORAMA DRIVE
BAKERSFIELD, CA

DRAWING TITLE
ELECTRICAL SCHEDULES, LEGEND AND NOTES

PROJECT NO.
20-11707.01

DRAWING
E850-AC

PLOT DATE: 9/7/2023 2:09:00 PM