



PROJECT:

AG Sciences Building
Bakersfield College – Bakersfield, CA

Date : 08/31/23

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: 5 pages + 6 attachments = 11 total pages).

CLARIFICATIONS:

1 – 01: LABORATORY ISLAND STATIONS, as follows:

- A. The built-in island station finishes shall match the casework finishes of the room that they are in.

1 – 02: LIGHTING CONTROLS, as follows:

- A. Acuity nLight lighting controls shall be an approved equal to Wattstopper DLM lighting controls.

1 – 03: RATIO FOR SOIL PREPARATION, as follows:

- A. Note 5 on Sheet L04 and Specification Section 329000 Part 5.01.B refer to the same ratio and planting operation.
- B. Contractor is responsible for obtaining a soils report from a certified soil lab for the areas to be planted. The report shall recommend amendments to the soil for the purpose of healthy plant growth. For planting beds and lawn areas, provide not less than the following quantities of specified materials, plus any recommendations from the soils report. (Section 5.01.A)

1 – 04: FABRICATOR QUALIFICATIONS, as follows:

- A. Specification Section 051200, Part 1.5:
 - 1. AISC is not a requirement for qualifications. Qualifications are based on factors outlined in Part 1.5. Certification by the AISC simply provides satisfactory evidence of compliance.

PROJECT MANUAL:

- 1 – 05: PROJECT MANUAL, SPECIFICATION SECTION 042200 – CONCRETE UNIT MASONRY**, revise as follows:
- A. Revise section 2.3.B.3.a:
 - 1. Size of CMU shall be 10 x 8 x 16 inch nominal, 9 5/8 x 7 5/8 x 15 5/8 inch actual.
- 1 – 06: PROJECT MANUAL, SPECIFICATION SECTION 085113 – ALUMINUM WINDOWS**, revise as follows:
- A. Revise Section 2.3.A.1:
 - 1. Kawneer; Fixed Thermal Window 8225TL
 - a. Provide Receptor (224154), Receptor Stop (325059), and Weathering (027883) at head and jamb conditions. Provide Subsill (225150) at sill conditions.
- 1 – 07: PROJECT MANUAL, SPECIFICATION SECTION 088000 – GLAZING**, revise as follows:
- A. Section 3.9:
 - 1. Insulating Glass Types IG-1 and IG-2 shall be the same glazing. Basis of Design is Vitro Architectural Glass.
 - a. 1/4" Solarban 90 VT Starphire Tempered Laminated
 - b. 1/2" Clear spacer
 - c. 1/8" Starphire
 - d. 030 Clear Interlayer
 - e. 1/8" Starphire Annealed
- 1 – 08: PROJECT MANUAL, SPECIFICATION SECTION 096513 – RESILIENT BASE AND ACCESSORIES**, revise as follows:
- A. Section 2.2:
 - 1. Delete Section 2.2 in its entirety. Stairs do not require resilient accessories.
- 1 – 09: PROJECT MANUAL, SPECIFICATION SECTION 123661 – EPOXY RESIN LABORATORY COUNTERTOPS**, revise as follows:
- A. Section 2.2.C.6:
 - 1. Color: Gray.
- 1 – 10: PROJECT MANUAL, SPECIFICATION SECTION 328410 – IRRIGATION SYSTEMS**, revise as follows:
- A. Section 2.02:
 - 1. Delete reference to reclaimed water or purple pipe. Provide standard PVC pipe.

DRAWINGS:

- 1 – 11: DRAWINGS, SHEET L02 – CONSTRUCTION**, revise as follows:
- A. Detail D, Keynote 2:
 - 1. Revise Keynote 2 to 3” DG.
- 1 – 12: DRAWINGS, SHEET L07 – LANDSCAPE DETAILS**, revise as follows:
- A. Irrigation Notes, Note 6:
 - 1. Lateral Pipe shall be PVC schedule 40.
 - B. Detail K:
 - 1. Bark mulch shall have a depth of 3”.
- 1 – 13: DRAWINGS, SHEET G001 – PROJECT INFORMATION / CAL GREEN**, revise as follows:
- A. Sheet Index:
 - 1. Delete Sheet E450 – Signal plan – Accessory Buildings from Sheet Index.
- 1 – 14: DRAWINGS, SHEET A210, A220, A230, A501 – FLOOR PLANS**, revise as follows:
- A. Windows ‘AA’ and ‘Z’ at Exit Stair (S1):
 - 1. Windows at Exit Stair (S1) shall be 60-minute rated Aluminum framing and glazing per Specification Section 088813.
- 1 – 15: DRAWINGS, SHEET A300-A303 – EXTERIOR ELEVATIONS**, revise as follows:
- A. Exterior Finish Schedule:
 - 1. Mark 13, 10” CMU Block color shall be revised to “Onyx”.
- 1 – 16: DRAWINGS, SHEET A550 – VERTICAL SYSTEM DETAILS**, revise as follows:
- A. Detail 3 – Stair Landing:
 - 1. Extruded metal safety nosing basis of design shall be Nystrom STSF-N2.25E.
- 1 – 17: DRAWINGS, SHEET A700 – DOOR SCHEDULE**, revise as follows:
- A. Door 225B:
 - 1. Door shall be Hollow Metal. Paint to match aluminum frame.
 - B. Door 318A:
 - 1. Bi-Parting door shall be from Terra Universal.
 - a. Material: 304 Stainless Steel

- b. Operation: Automatic
 - c. Opening Action: Double Bi-Parting
 - d. Wall Cut Out: 80”H x 60”W
 - e. Window Size: Half
 - f. Mount: External
- C. Doors S1A, S1B, and S1C:
- 1. Doors and frames shall be 60-minute rated assembly. Steel doors shall be constructed of Heavy Duty, SDI Level 2 - 18-gauge steel face sheets w/ polystyrene core. Hollow metal door frames shall be 16-gauge. Fire rated glazing shall be 3/16” clear ceramic glass (transparent and wireless).
- D. Door type ‘N2’:
- 1. Where door type ‘N2’ occurs in aluminum frames, doors shall be hollow metal. Paint to match door frame.

1 – 18: DRAWINGS, SHEETS A880, A881 – INTERIOR WALL DETAILS, revise as follows:

- A. Tile Metal Edge Strips:
- 1. Metal edge strips shall be stainless steel per Specification Section 093000 Tiling.

1 – 19: DRAWINGS, SHEET T240 – ENERGY COMPLIANCE DOCUMENTATION, revise as follows:

- A. Include Sheet T240 – Energy Compliance Documentation into project drawings. See attached drawing **T240**.

1 – 20: DRAWINGS, SHEET T241 – ENERGY COMPLIANCE DOCUMENTATION, revise as follows:

- A. Include Sheet T241 – Energy Compliance Documentation into project drawings. See attached drawing **T241**.

1 – 21: DRAWINGS, SHEET E101 – ELECTRICAL SITE PLAN, revise as follows:

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

1 – 22: DRAWINGS, SHEET E230 – POWER PLAN – THIRD FLOOR, revise as follows:

- A. Replace Sheet E230 – Power Plan – Third Floor in its entirety. See attached Sheet **E230**.

1 – 23: DRAWINGS, SHEET E240 – POWER PLAN - ROOF, revise as follows:

- A. Panels ‘HRF’, ‘HRF2’, and ‘LRF’:
- 1. Panels shall be mounted to the wall per detail 15/E600.

- 1 – 24: DRAWINGS, SHEET E310 – LIGHTING PLAN - FIRST FLOOR**, revise as follows:
- A. Replace Sheet E310 – Lighting Plan – First Floor in its entirety. See attached Sheet **E310**.
- 1 – 25: DRAWINGS, SHEET E802 – PANEL SCHEDULES**, revise as follows:
- A. Replace Sheet E802 – Panel Schedules in its entirety. See attached Sheet **E802**.

END OF ADDENDUM NO. 1

Robert Thornton
Architect of Record

Table with 13 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14. Includes project name, address, and fan system summary.

Table with 8 columns: 1, 2, 3, 4, 5, 6, 7, 8. Includes system ID, zone name, and exhaust fan summary.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

Table with 8 columns: 1, 2, 3, 4, 5, 6, 7, 8. Includes system ID, zone name, and exhaust fan summary.

Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10. Includes equipment name, type, and wet system equipment summary.

Table with 8 columns: 1, 2, 3, 4, 5, 6, 7, 8. Includes name or item tag, parent equipment, and pumps summary.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

Table with 8 columns: 1, 2, 3, 4, 5, 6, 7, 8. Includes name or item tag, parent equipment, and pumps summary.

Table with 8 columns: 1, 2, 3, 4, 5, 6, 7, 8. Includes name or item tag, parent equipment, and pumps summary.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

Table with 13 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14. Includes name or item tag, design OA, and fan system summary.

Table with 4 columns: 1, 2, 3, 4. Includes system name, equipment type, and special features summary.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

Table with 13 columns: 1, 2, 3, 4, 5. Includes penetration tag/ID, left fin, and right fin details.

Table with 12 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12. Includes equipment name, type, and dry system equipment summary.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

Table with 12 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12. Includes equipment name, type, and dry system equipment summary.

Table with 12 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12. Includes equipment name, type, and dry system equipment summary.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

Table with 12 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12. Includes equipment name, type, and dry system equipment summary.

Table with 12 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12. Includes equipment name, type, and dry system equipment summary.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

Table with 14 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14. Includes name or item tag, design OA, and fan system summary.

Table with 14 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14. Includes name or item tag, design OA, and fan system summary.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

Table with 13 columns: 1, 2, 3, 4, 5. Includes penetration tag/ID, left fin, and right fin details.

Table with 12 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12. Includes equipment name, type, and dry system equipment summary.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10. Includes surface name, type, and opaque surface assembly summary.

Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10. Includes surface name, type, and opaque surface assembly summary.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

Table with 3 columns: 1, 2, 3. Includes assembly name, overall U-factor, and door summary.

Table with 8 columns: 1, 2, 3, 4, 5, 6, 7, 8. Includes fenestration assembly name, type, and fenestration assembly summary.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

Table with 6 columns: 1, 2, 3, 4, 5, 6. Includes fenestration tag/ID, orientation, and overhang details.

Table with 6 columns: 1, 2, 3, 4, 5, 6. Includes fenestration tag/ID, orientation, and overhang details.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

Table with 4 columns: TITLE, NAME, DESK NUMBER, EMAIL ADDRESS. Includes project manager, mechanical designer, and plumbing designer.

Table with 2 columns: SHEET NUMBER, SHEET TITLE. Includes T240 ENERGY COMPLIANCE DOCUMENTATION.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10. Includes general information, project summary, and compliance results.

Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10. Includes energy standards compliance total and miscellaneous components.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

Table with 4 columns: 1, 2, 3, 4. Includes energy component, standard design site, and compliance results.

Table with 4 columns: 1, 2, 3, 4. Includes energy component, standard design site, and compliance results.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

Table with 6 columns: 1, 2, 3, 4, 5, 6. Includes fenestration tag/ID, orientation, and overhang details.

Table with 6 columns: 1, 2, 3, 4, 5, 6. Includes fenestration tag/ID, orientation, and overhang details.

CA Building Energy Standards - 2019 Nonresidential Compliance Report Version: NRCF-PRF-01-E-12092021-6844 Report Generated at: 2022-09-10 08:01:21

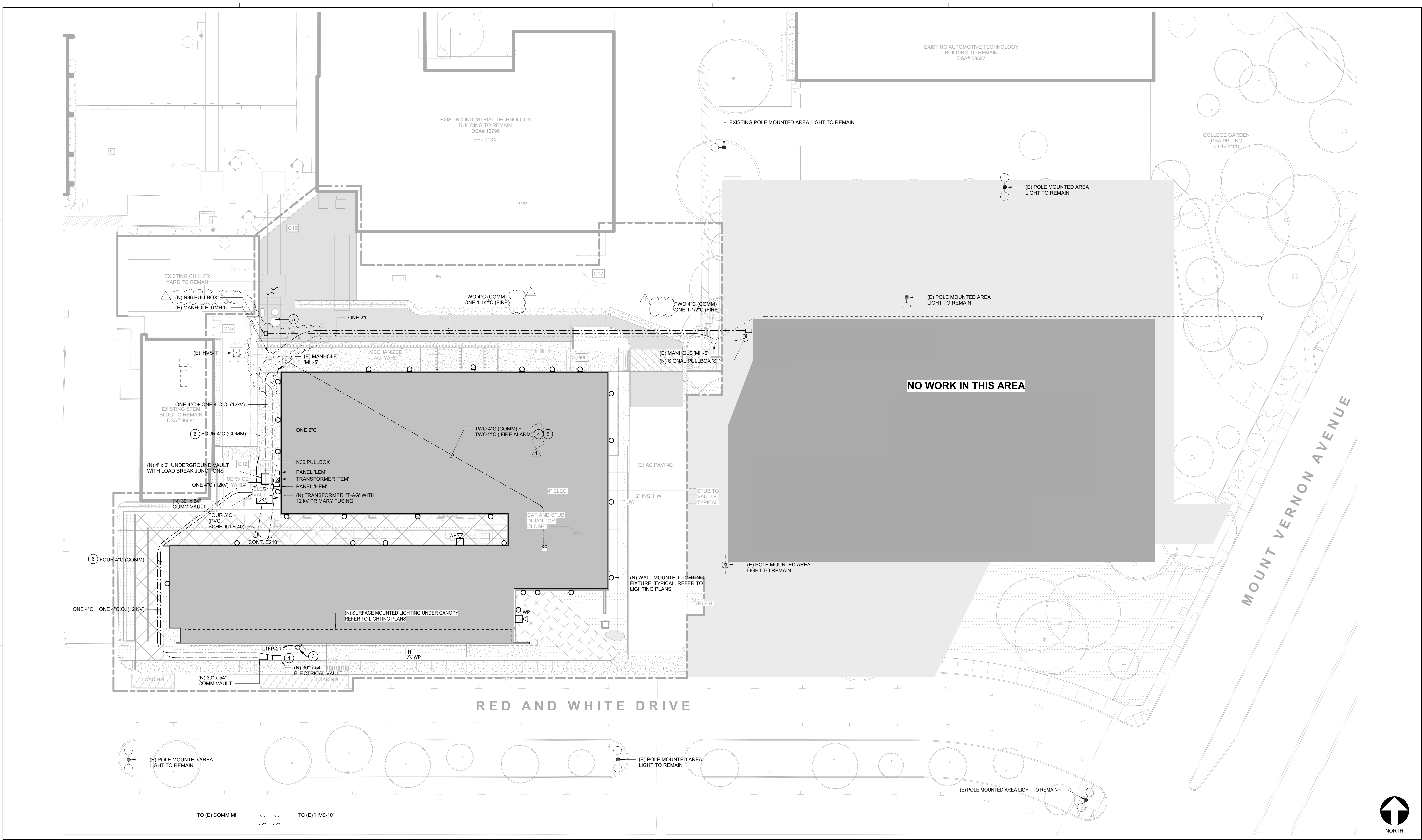
Vertical sidebar containing project information: PROJECT NO. 20-11707, DRAWING T240, DATE 09/12/22, DSA-Approval, MARK G.



TETER, LLP FRESNO HEADQUARTERS VISUAL ENGINEERING | MODESTO | SAN JUAN DEL RIBO ARCHITECTS ENGINEERS CONNECTED



AG SCIENCE CENTER BAKERSFIELD COLLEGE 1801 PANORAMA DRIVE BAKERSFIELD, CA ENERGY COMPLIANCE DOCUMENTATION PROJECT NO. 20-11707 DRAWING T240



ELECTRICAL SITE PLAN

1" = 20'-0" 1

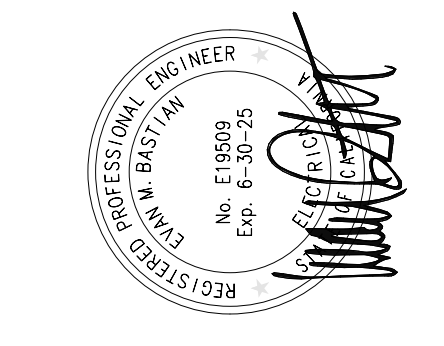
KEYNOTES

- 1 SPLICE (N) PORTION OF 12 KV FEEDER TO (E) PORTION AT (N) VAULT.
- 5 PROVIDE FIBER OPTIC CABLING FOR CONNECTION TO CAMPUS NETWORK PER DRAWING E740. PROVIDE FIRE ALARM NETWORK CABLING ALONG SAME PATHWAY FOR CONNECTION TO (E) CAMPUS FACP NETWORK.
- 6 REROUTE (E) PORTION OF SITE FIBER OPTIC CABLING THROUGH (N) PORTION OF CONDUIT.

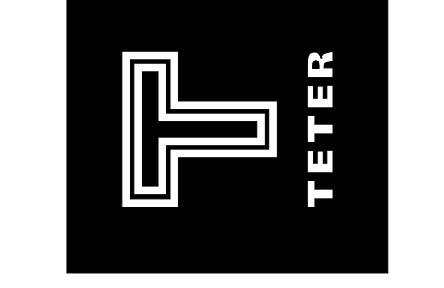
GENERAL NOTES

- A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.
- B. PROVIDE PULLBOXES PER DETAILS 15/E600 AND 16/E600.
- 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.

<p>This is a preliminary drawing. It is not to be used for construction without the approval of the architect. The architect reserves the right to make changes to this drawing at any time without notice. The contractor shall be responsible for verifying all dimensions and conditions shown on this drawing before construction begins.</p>			
1	8/31/23	ADDENDUM 1 (BID 2)	
MARK	DATE	DESCRIPTION	
F	8/14/23	ACCESSORY BLDG BID SET	

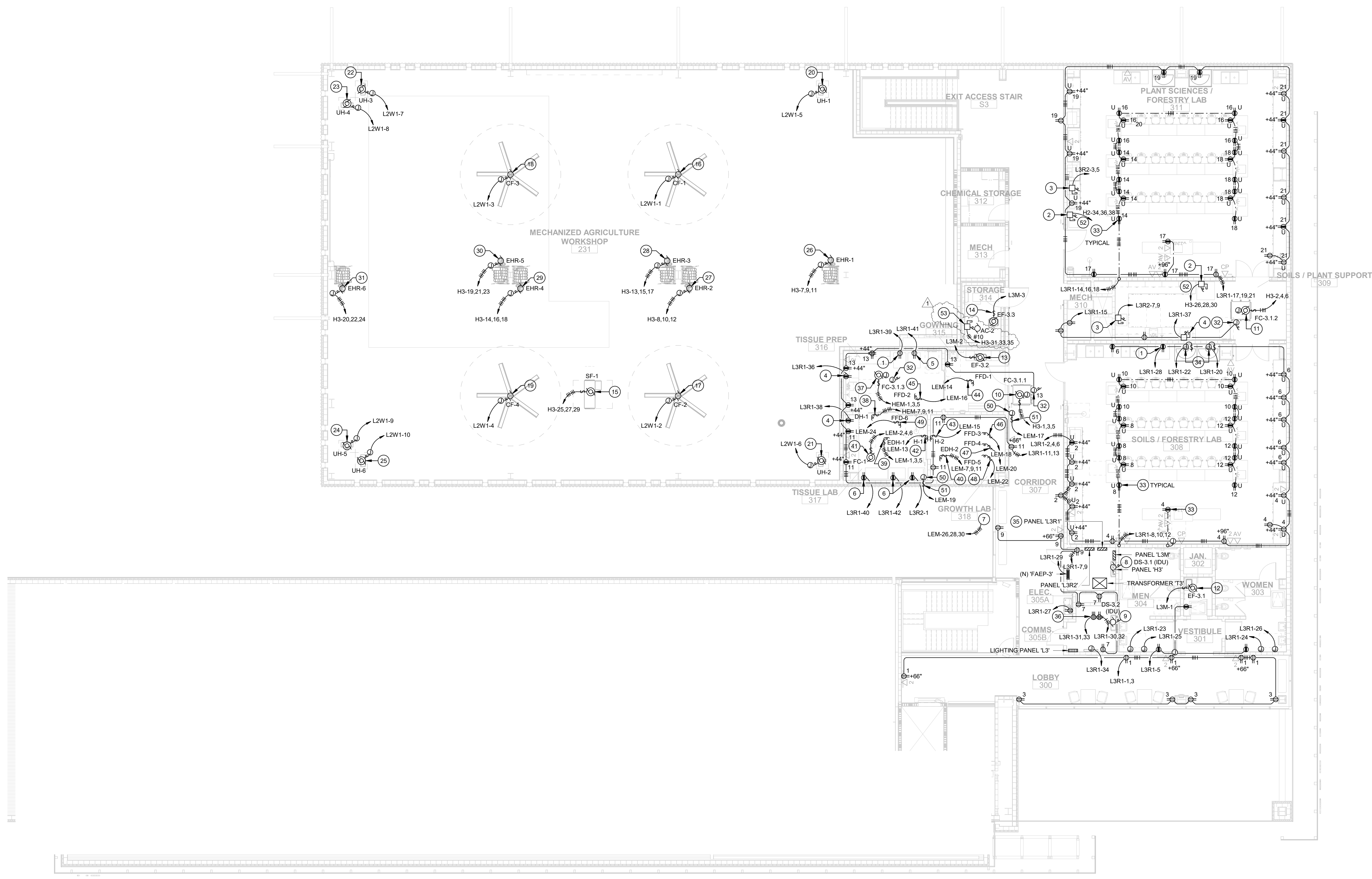


TETER, LLP
 PRESNO HEADQUARTERS
 VISALIA | BAKERSFIELD | WOODSTOCK | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED



AG SCIENCE CENTER
 BAKERSFIELD COLLEGE
 1801 PANORAMA DRIVE
 BAKERSFIELD, CA
 DRAWING TITLE
ELECTRICAL SITE PLAN

PROJECT NO.
 20-11707.01
 DRAWING
E101



POWER PLAN - THIRD FLOOR

KEYNOTES

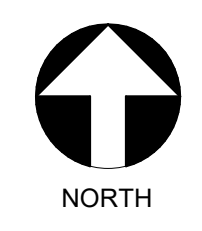
- 1 PROVIDE RECEPTACLE WITH DEDICATED CIRCUIT FOR SCIENTIFIC REFRIGERATOR.
- 2 HEAVY DUTY 600V, 100A, 3-POLE FUSED DISCONNECT. PROVIDE CONNECTION TO 208V, 1Ø, 13.5A. COUNTERTOP OVEN.
- 3 HEAVY DUTY 250V, 30A NON-FUSED DISCONNECT. PROVIDE CONNECTION TO REFRIGERATOR.
- 4 PROVIDE RECEPTACLE WITH DEDICATED CIRCUIT FOR CONNECTION TO SCIENTIFIC FREEZER.
- 5 PROVIDE RECEPTACLE WITH DEDICATED CIRCUIT FOR CONNECTION TO FLOW HOOD.
- 6 PROVIDE (12) DUPLEX RECEPTACLES IN GROWTH LAB 318 AS DIRECTED BY OWNER FOR CONNECTION TO OWNER-FURNISHED EQUIPMENT.
- 7 GENERAL DUTY 250V, 30A FUSED DISCONNECT. PROVIDE CONNECTION FOR 208V, 1Ø, 3ØW INDOOR UNIT 'DS-3.1' VIA OUTDOOR UNIT 'DS-3.1'.
- 8 GENERAL DUTY 250V, 30A FUSED DISCONNECT. PROVIDE CONNECTION FOR 208V, 1Ø, 3ØW INDOOR UNIT 'DS-3.2' VIA OUTDOOR UNIT 'DS-3.2'.
- 9 MOTOR RATED A/C SNAP SWITCH DISCONNECT. PROVIDE CONNECTION FOR 460V, 3Ø, 1.6 FLA, 15 MOCP FAN COIL 'FC-3.1.1'.
- 10 MOTOR RATED A/C SNAP SWITCH DISCONNECT. PROVIDE CONNECTION FOR 460V, 3Ø, 0.7 FLA, 15 MOCP FAN COIL 'FC-3.1.2'.
- 11 MOTOR RATED A/C SNAP SWITCH DISCONNECT. PROVIDE CONNECTION FOR 120V, 1Ø, 20W EXHAUST FAN 'EF-3.1'.
- 12 MOTOR RATED A/C SNAP SWITCH DISCONNECT. PROVIDE CONNECTION FOR 120V, 1Ø, 3ØW EXHAUST FAN 'EF-3.2'.
- 13 MOTOR RATED A/C SNAP SWITCH DISCONNECT. PROVIDE CONNECTION FOR 120V, 1Ø, 124W EXHAUST FAN 'EF-3.3'.
- 14 MOTOR RATED A/C SNAP SWITCH DISCONNECT. PROVIDE CONNECTION FOR 460V, 3Ø, 1/2HP SUPPLY FAN 'SF-1'.
- 15 CF-1
- 16 CF-2
- 17 CF-3
- 18 CF-4
- 19 UH-1
- 20 UH-2
- 21 UH-3
- 22 UH-4
- 23 UH-5
- 24 UH-6
- 25 HR-1
- 26 HR-2
- 27 HR-3
- 28 HR-4
- 29 HR-5
- 30 HR-6
- 31 PROVIDE 120VAC CONNECTION FOR TEMPERATURE CONTROL PANEL.
- 32 PROVIDE PEDESTAL WITH DUPLEX GFCI-TYPE RECEPTACLE AT COUNTERTOP.
- 33 PROVIDE A/C SNAP SWITCH DISCONNECT AND CONNECTION TO 120V, 1PH FUME HOOD.
- 34 PROVIDE A CIRCUIT BREAKER LOCKING DEVICE ON EACH CIRCUIT BREAKER SUPPLYING FIRE ALARM SYSTEM EQUIPMENT AND PROVIDE A RED LABEL THAT READS: "FIRE ALARM / ECS" ADJACENT TO THE CIRCUIT BREAKER.
- 35 PROVIDE ONE NEMA L6-3ØR AND TWO NEMA 5-2ØR RECEPTACLES MOUNTED TO CABLE RUNWAY ABOVE EACH RACK. SEE DETAIL 5/E600.
- 36 MOTOR RATED A/C SNAP SWITCH DISCONNECT. PROVIDE CONNECTION FOR 460V, 3Ø, 0.7 FLA, 15 MOCP FAN COIL 'FC-3.1.3'.
- 37 A/C SNAP SWITCH DISCONNECT LOCATED ADJACENT TO DEHUMIDIFIER. PROVIDE CONNECTION FOR 480V, 3Ø, 9.8KW DEHUMIDIFIER 'DH-1'.
- 38 A/C SNAP SWITCH DISCONNECT LOCATED ADJACENT TO ELECTRIC DUCT HEATER. PROVIDE CONNECTION FOR 208V, 3Ø, 14.5KW ELECTRIC DUCT HEATER 'EDH-1'.
- 39 A/C SNAP SWITCH DISCONNECT LOCATED ADJACENT TO ELECTRIC DUCT HEATER. PROVIDE CONNECTION FOR 208V, 3Ø, 9KW ELECTRIC DUCT HEATER 'EDH-2'.
- 40 MOTOR RATED A/C SNAP SWITCH DISCONNECT. PROVIDE CONNECTION FOR 208V, 3Ø, 3.8 MCA, 15 MOCP FAN COIL 'FC-1'.
- 41 A/C SNAP SWITCH DISCONNECT LOCATED ADJACENT TO HUMIDIFIER. PROVIDE CONNECTION FOR 120V, 1Ø, 12.6 FLA, 15.8 MCA HUMIDIFIER 'H-1'.
- 42 A/C SNAP SWITCH DISCONNECT LOCATED ADJACENT TO HUMIDIFIER. PROVIDE CONNECTION FOR 120V, 1Ø, 12.6 FLA, 15.8 MCA HUMIDIFIER 'H-2'.
- 43 A/C SNAP SWITCH DISCONNECT LOCATED ADJACENT TO FAN-POWERED FILTER. PROVIDE CONNECTION FOR 120V, 1Ø, 3 FLA FAN-POWERED FILTER 'FFD-1'.
- 44 A/C SNAP SWITCH DISCONNECT LOCATED ADJACENT TO FAN-POWERED FILTER. PROVIDE CONNECTION FOR 120V, 1Ø, 3 FLA FAN-POWERED FILTER 'FFD-2'.
- 45 A/C SNAP SWITCH DISCONNECT LOCATED ADJACENT TO FAN-POWERED FILTER. PROVIDE CONNECTION FOR 120V, 1Ø, 3 FLA FAN-POWERED FILTER 'FFD-3'.
- 46 A/C SNAP SWITCH DISCONNECT LOCATED ADJACENT TO FAN-POWERED FILTER. PROVIDE CONNECTION FOR 120V, 1Ø, 3 FLA FAN-POWERED FILTER 'FFD-4'.
- 47 A/C SNAP SWITCH DISCONNECT LOCATED ADJACENT TO FAN-POWERED FILTER. PROVIDE CONNECTION FOR 120V, 1Ø, 3 FLA FAN-POWERED FILTER 'FFD-5'.
- 48 A/C SNAP SWITCH DISCONNECT LOCATED ADJACENT TO FAN-POWERED FILTER. PROVIDE CONNECTION FOR 120V, 1Ø, 3 FLA FAN-POWERED FILTER 'FFD-6'.
- 49 PROVIDE 120VAC CONNECTION FOR LAB CONTROL PANEL.
- 50 A/C SNAP SWITCH DISCONNECT LOCATED IN ATTIC ADJACENT TO 120V LAB CONTROL PANEL.
- 51 ONE 1 1/2"Ø, 3Ø2 CU THWN, 1ØØ CU GND.
- 52 HEAVY DUTY 600V, 3ØA, FUSED DISCONNECT. PROVIDE CONNECTION TO 480V, 3Ø, 3Ø MOCP AIR COMPRESSOR 'AC-2'.

WALL LEGEND

1-HOUR FIRE RATED WALL. PROVIDE CONDUIT PENETRATION THROUGH FIRE RATED WALL PER DETAIL 18/E601.

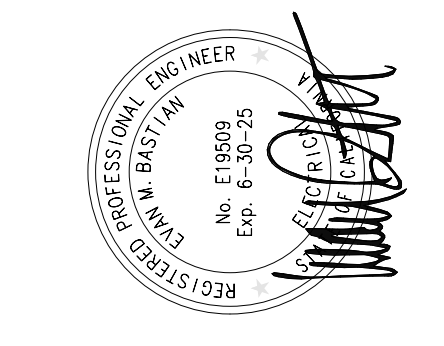
GENERAL NOTES

- A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.
- B. CONDUIT AND CONDUCTORS FOR SHALL BE CONCEALED, U.O.N.
- C. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.
- D. ALL 120V, 15A AND 20A RECEPTACLES WITHIN KITCHENS AND RESTROOMS SHALL BE GFCI TYPE RECEPTACLES. IN ALL OTHER SPACES, 120V, 15A AND 20A RECEPTACLES WITHIN 6' OF SINKS OR FAUCETS SHALL BE GFCI TYPE RECEPTACLES.
- E. PROVIDE PENETRATIONS THROUGH FIRE-RESISTANCE-RATED WALLS PER PENETRATION DETAILS 18/E601 & 28/E601.

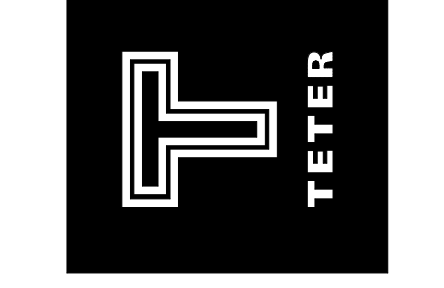


1/8" = 1'-0" 1

1	8/31/23	ADDENDUM 1 (BID 2)		
MARK	DATE	DESCRIPTION		ACCESSORY BLDG BID SET
F	8/14/23			

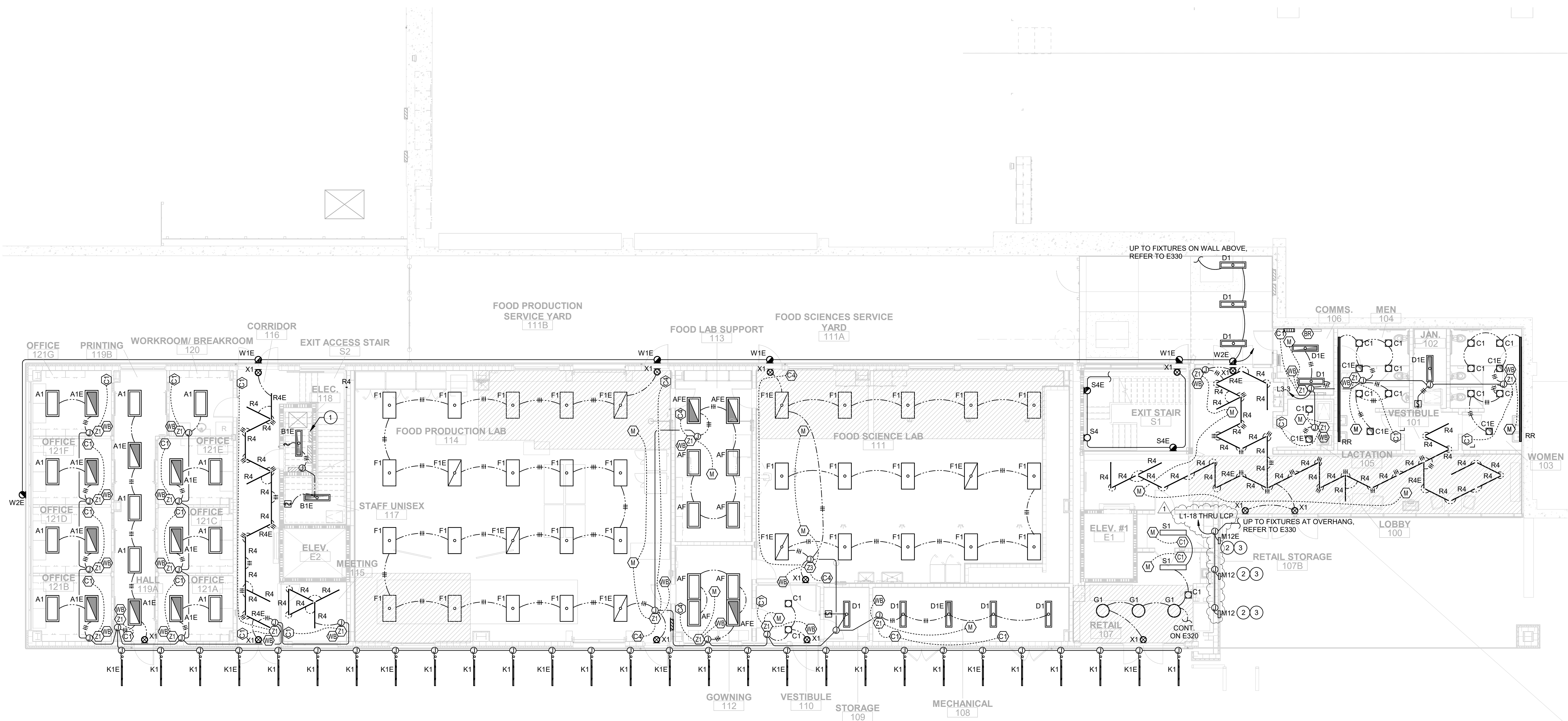


TETER, LLP
 FRESNO HEADQUARTERS
 VISUAL ENGINEERING | MODERNO | SAN LUIS OBISPO
 ARCHITECTS ENGINEERS CONNECTED



AG SCIENCE CENTER
 BAKERSFIELD COLLEGE
 1801 PANORAMA DRIVE
 BAKERSFIELD, CA
 DRAWING TITLE
 POWER PLAN - THIRD FLOOR

PROJECT NO.
 20-11707.01
 DRAWING
E230



LIGHTING PLAN - FIRST FLOOR

KEYNOTES

- 1 WALL MOUNTED B1E LIGHTING FIXTURE.
- 2 PROVIDE 12' LONG LINEAR RECESSED EXTERIOR FIXTURE MOUNTED FLUSH TO EXTERIOR CLADDING. REFER TO ARCH. ELEVATIONS.
- 3 LIGHTING FIXTURE TYPE M12 SHALL BE PINNACLE #EV3-WET-40-840M0-12-IND-FL-U-FSD-1-S.
- 4 LIGHTING FIXTURE TYPE M12E SHALL BE PINNACLE #EV3-WET-40-840M0-12-IND-FL-U-FSD-1-1C-S.

ADDITIONAL LIGHTING PLAN NOTES:

PROVIDE NETWORK DAYLIGHT SENSORS AT EACH DAYLIT ZONE INDICATED ON PLAN. TOTAL OF (5) THIS FLOOR.

PROVIDE UNSWITCHED HOT BRANCH CIRCUIT HOME RUNS TO PANEL 'L1' PER PANEL SCHEDULE.

PROVIDE LIGHTING CONTROL PANEL WITH RELAYS FOR CONTROL OF EXTERIOR LIGHTING BRANCH CIRCUITS ADJACENT TO PANEL 'L1' IN ROOM 106. PROVIDE ASTRONOMIC ON/OFF CONTROLS FOR EXTERIOR LIGHTING FIXTURES. PROVIDE ADDITIONAL UNSWITCHED HOT BRANCH CIRCUIT CONDUCTORS IN EXTERIOR LIGHTING HOME RUNS FOR CONNECTION TO EMERGENCY LIGHTING FIXTURES.

LIGHTING WIRING LEGEND

- LIGHTING BRANCH CIRCUIT IN EMT CONDUIT CONSISTING OF THE FOLLOWING CIRCUIT CONDUCTORS:
 1. HOT - 1#12 CU THHN (BROWN, ORANGE OR YELLOW)
 2. NEUTRAL - 1#12 CU THHN (WHITE WITH COLORED STRIPE)
 3. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
- LOW VOLTAGE LIGHTING CONTROL CABLEING SHALL BE INSTALLED IN CONDUIT OR OTHERWISE CONCEALED WHEN INSTALLED IN AREAS WITH OPEN CEILINGS.
- TYPE MC-PCS MC LUMINARY CABLE CONSISTING OF THE FOLLOWING CIRCUIT CONDUCTORS:
 1. CONTROLLED HOT - 1#12 CU THHN (BROWN)
 2. UNSWITCHED HOT - 1#12 CU THHN (ORANGE)
 3. NEUTRAL - 1#12 CU THHN (GREY)
 4. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
 5. 0-10VDC CONTROL - PVC JACKET CONTAINING 2#16 CU TNF (PURPLE & GRAY)
- TYPE MC-PCS MC LUMINARY CABLE CONSISTING OF THE FOLLOWING CIRCUIT CONDUCTORS:
 1. CONTROLLED HOT - 1#12 CU THHN (BROWN)
 2. NEUTRAL - 1#12 CU THHN (GREY)
 3. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
 4. 0-10VDC CONTROL - PVC JACKET CONTAINING 2#16 CU TNF (PURPLE & GRAY)

LIGHTING SYMBOL LEGEND

- PRIMARY SIDELIT ZONE:
- NETWORK CEILING MOUNTED DUAL TECH OCCUPANCY SENSOR
- SINGLE-ZONE NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX
- SINGLE-ZONE NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX WITH STAINLESS STEEL LOCKING COVER PLATE
- FOUR-SCENE NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX
- NETWORK SINGLE-ZONE DIMMING ROOM CONTROLLER
- NETWORK THREE-ZONE DIMMING ROOM CONTROLLER
- NETWORK DAYLIGHTING SENSOR WITH DAYLIT ZONE
- NETWORK PLUG LOAD CONTROL RELAY
- NETWORK BORDER ROUTER
- NETWORK WIRELESS BRIDGE
- WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR AT +48" TO TOP OF OUTLET BOX
- A/C SNAP SWITCH AT +48" TO TOP OF OUTLET BOX

WALL LEGEND

- 1-HOUR FIRE RATED WALL. PROVIDE CONDUIT PENETRATION THROUGH FIRE RATED WALL PER DETAIL 18/E601.

GENERAL NOTES

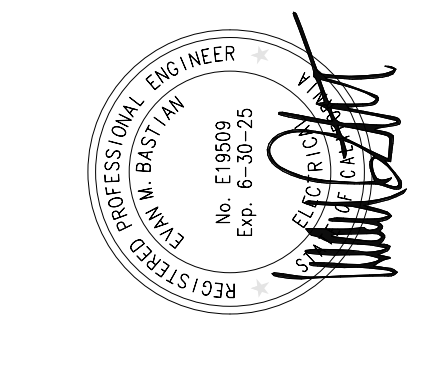
- A. CIRCUITS SUPPLYING EMERGENCY LIGHTING FIXTURES SHALL BE SUPPLIED BY A CONTROLLED HOT CONDUCTOR AND A CONSTANT HOT CONDUCTOR OF THE SAME BRANCH CIRCUIT.
- B. EXIT SIGNAGE AND WALL MOUNTED EMERGENCY LIGHTING UNITS SHALL BE SUPPLIED BY AN UNSWITCHED HOT CONDUCTOR.
- C. REFER TO ARCHITECTURAL SHEETS FOR ELEVATIONS OF WALL MOUNTED LIGHTING FIXTURES.
- D. NETWORK DAYLIGHT SENSORS FOR AUTOMATIC DIMMING WITHIN A DAYLIT ZONE SHALL BE CALIBRATED SUCH THAT LIGHTING POWER FOR THE LIGHTING FIXTURES WITHIN THAT DAYLIT ZONE SHALL BE REDUCED BY 65% WHEN DAYLIT ILLUMINANCE IS 100% OF ILLUMINANCE RECEIVED FROM THE GENERAL LIGHTING SYSTEM AT FULL POWER.
- E. LIGHTING CONTROLS SHALL BE DEMAND RESPONSIVE AND SHALL AUTOMATICALLY REDUCE BUILDING LIGHTING POWER DEMAND BY 15% IN RESPONSE TO A DEMAND RESPONSE SIGNAL PER 2019 CA ENERGY CODE SECTION 130.1 (e).
- F. PROVIDE PENETRATIONS THROUGH FIRE-RESISTANCE-RATED WALLS PER PENETRATION DETAILS 18/E601.



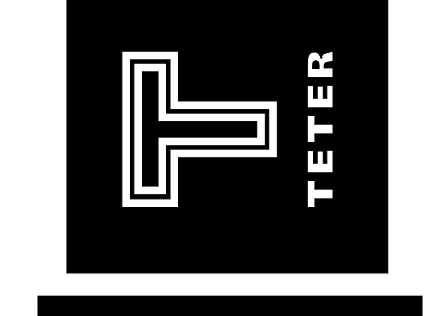
1/8" = 1'-0" 1

THESE PLANS ARE THE PROPERTY OF TETER, LLP. NO PART OF THESE PLANS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF TETER, LLP.

1	8/31/23	ADDENDUM 1 (BID 2)		
MARK	DATE	DESCRIPTION		
F	8/14/23	ACCESSORY BLDG BID SET		



TETER, LLP
 FRESNO HEADQUARTERS
 VISUAL 1 BAKERSFIELD 1 WOODSTOCK 1 SAN LUIS OBISPO
 ARCHITECTS ENGINEERS CONNECTED



AG SCIENCE CENTER
 BAKERSFIELD COLLEGE
 1801 PANORAMA DRIVE
 BAKERSFIELD, CA
 DRAWING TITLE
 LIGHTING PLAN - FIRST FLOOR

PROJECT NO.
 20-11707.01
 DRAWING
E310

PANEL: L2W1 400 AMP BUS MAIN: 300A CB LOCATION: MECH AG 231. Table with columns for CIRCUIT, BREAKER, SERVES, LOAD, and TOTAL CONNECTED LOAD (VA).

PANEL: H3 400 AMP BUS MAIN: 300A CB LOCATION: ELEC 305A. Table with columns for CIRCUIT, BREAKER, SERVES, LOAD, and TOTAL CONNECTED LOAD (VA).

PANEL: HRF 800 AMP BUS MAIN: 800A CB LOCATION: LOW ROOF. Table with columns for CIRCUIT, BREAKER, SERVES, LOAD, and TOTAL CONNECTED LOAD (VA).

PANEL: L2W2 225 AMP BUS MAIN: 150A CB LOCATION: MECH AG 231. Table with columns for CIRCUIT, BREAKER, SERVES, LOAD, and TOTAL CONNECTED LOAD (VA).

PANEL: L3M 400 AMP BUS MAIN: 400A CB LOCATION: ELEC 305A. Table with columns for CIRCUIT, BREAKER, SERVES, LOAD, and TOTAL CONNECTED LOAD (VA).

PANEL: HRF2 225 AMP BUS MAIN: 225A CB LOCATION: LOW ROOF. Table with columns for CIRCUIT, BREAKER, SERVES, LOAD, and TOTAL CONNECTED LOAD (VA).

PANEL: L3R1 225 AMP BUS MAIN: 150A CB LOCATION: ELEC 305A. Table with columns for CIRCUIT, BREAKER, SERVES, LOAD, and TOTAL CONNECTED LOAD (VA).

PANEL: L3R2 225 AMP BUS MAIN: 150A CB LOCATION: ELEC 305A. Table with columns for CIRCUIT, BREAKER, SERVES, LOAD, and TOTAL CONNECTED LOAD (VA).

PANEL: LRF 400 AMP BUS MAIN: 400A CB LOCATION: LOW ROOF. Table with columns for CIRCUIT, BREAKER, SERVES, LOAD, and TOTAL CONNECTED LOAD (VA).

PANEL: L1FP 225 AMP BUS MAIN: 225A CB LOCATION: ELECTRICAL CLOSET NORTH OF 106. Table with columns for CIRCUIT, BREAKER, SERVES, LOAD, and TOTAL CONNECTED LOAD (VA).

PANEL: L2 60 AMP BUS MAIN: 60A CB LOCATION: COMM 206. Table with columns for CIRCUIT, BREAKER, SERVES, LOAD, and TOTAL CONNECTED LOAD (VA).

PANEL: L3 60 AMP BUS MAIN: 60A CB LOCATION: ELEC 305A. Table with columns for CIRCUIT, BREAKER, SERVES, LOAD, and TOTAL CONNECTED LOAD (VA).

PANEL SCHEDULES

Vertical sidebar containing project information: PROJECT NO. 20-11707.01, DRAWING E802, PANEL SCHEDULES, and logos for TETER, LLP and AG SCIENCE CENTER BAKERSFIELD COLLEGE.