



Addendum 01

Corporate Headquarters
7535 N. Palm Ave. #201
Fresno, CA 93711

559.437.0887 T
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teterae.com

PROJECT:

MCSD Bid No.: 2024-7
Fremont ES, Muir ES, Chenoweth ES
Temporary Portable Classrooms & Sitework

Date : June 13, 2025
TETER Project No.: 24-13265,66,67

CLIENT:

Merced City School District
444 W. 23rd St.
Merced, CA 95340

Client Project No.: Bid 2024-7
DSA File No.: 24-35
DSA Appl. No.: tbd

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 + 19 attachment = 21 total pages).

PROCEDURAL:

- 1 - 01: MANDATORY PRE-BID CONFERENCE**, sign-in sheet is attached (1 page).
- 1 - 02: ENGINEER'S ESTIMATE**, Engineer's Estimate for complete scope is \$625,000.00.
- 1 - 03: DISABLED VETERAN BUSINESS ENTERPRISE (DVBE)**, please see the attached DVBE Certification Form to be submitted with the Bid Form (4 pages).

DRAWINGS – MUIR ES (#13265):

- 1 - 04: DRAWINGS, SHEET E200 – ENLARGED POWER PLAN**, is to be replaced with the attached drawing E200 in its entirety (1 page).
- 1 - 05: DRAWINGS, SHEET E400 – ENLARGED SIGNAL PLAN**, is to be replaced with the attached drawing E400 in its entirety (1 page).
- 1 - 06: DRAWINGS, SHEET E600 – ELECTRICAL DETAILS**, is to be replaced with the attached drawing E600 in its entirety (1 page).
- 1 - 07: DRAWINGS, SHEET E800 – ELECTRICAL SCHEDULES, LEGENDS AND NOTES**, is to be replaced with the attached drawing E800 in its entirety (1 page).

DRAWINGS – FREMONT ES (#13266):

- 1 - 08: DRAWINGS, SHEET E200 – ENLARGED POWER PLAN**, is to be replaced with the attached drawing E200 in its entirety (1 page).

- 1 - 09: DRAWINGS, SHEET E500 – ENLARGED FIRE ALARM PLAN**, is to be replaced with the attached drawing E500 in its entirety (1 page).
- 1 - 10: DRAWINGS, SHEET E700 – SINGLE LINE DIAGRAM**, is to be replaced with the attached drawing E700 in its entirety (1 page).
- 1 - 11: DRAWINGS, SHEET E710 – FIRE ALARM RISER DIAGRAM & CALCULATIONS**, is to be replaced with the attached drawing E710 in its entirety (1 page).
- 1 - 12: DRAWINGS, SHEET E800 – ELECTRICAL SCHEDULES, LEGENDS AND NOTES**, is to be replaced with the attached drawing E800 in its entirety (1 page).

DRAWINGS – CHENOWETH ES (#13267):

- 1 - 13: DRAWINGS, SHEET E200 – ENLARGED POWER PLAN**, is to be replaced with the attached drawing E200 in its entirety (1 page).
- 1 - 14: DRAWINGS, SHEET E500 – ENLARGED FIRE ALARM PLAN**, is to be replaced with the attached drawing E500 in its entirety (1 page).
- 1 - 15: DRAWINGS, SHEET E700 – SINGLE LINE DIAGRAM**, is to be replaced with the attached drawing E700 in its entirety (1 page).
- 1 - 16: DRAWINGS, SHEET E710 – FIRE ALARM RISER DIAGRAM & CALCULATIONS**, is to be replaced with the attached drawing E710 in its entirety (1 page).
- 1 - 17: DRAWINGS, SHEET E800 – ELECTRICAL SCHEDULES, LEGENDS AND NOTES**, is to be replaced with the attached drawing E800 in its entirety (1 page).

END OF ADDENDUM NO. 01



Chris Nikkel
Architect



Attachment(s): [19 pages]

MANDATORY PRE-BID CONFERENCE ATTENDEE SHEET, (1 page)
DISABLED VETERAN BUSINESS ENTERPRISE (DVBE) FORM, (4 pages)
MUIR ES - E200 – ENLARGED POWER PLAN, (1 page, rev 1, 6/13/25)
MUIR ES - E400 – ENLARGED SIGNAL PLAN, (1 page, rev 1, 6/13/25)
MUIR ES - E600 – ELECTRICAL DETAILS, (1 page, rev 1, 6/13/25)
MUIR ES - E800 – ELECTRICAL SCHEDULES, LEGENDS AND NOTES, (1 page, rev 1, 6/13/25)
FREMONT ES - E200 – ENLARGED POWER PLAN, (1 page, rev 1, 6/13/25)
FREMONT ES - E500 – ENLARGED FIRE ALARM PLAN, (1 page, rev 1, 6/13/25)
FREMONT ES - E700 – SINGLE LINE DIAGRAM, (1 page, rev 1, 6/13/25)
FREMONT ES - E710 – FIRE ALARM RISER DIAGRAM & CALCULATIONS, (1 page, rev 1, 6/13/25)
FREMONT ES - E800 – ELECTRICAL SCHEDULES, LEGENDS AND NOTES, (1 page, rev 1, 6/13/25)
CHENOWETH ES - E200 – ENLARGED POWER PLAN, (1 page, rev 1, 6/13/25)
CHENOWETH ES - E500 – ENLARGED FIRE ALARM PLAN, (1 page, rev 1, 6/13/25)
CHENOWETH ES - E700 – SINGLE LINE DIAGRAM, (1 page, rev 1, 6/13/25)
CHENOWETH ES - E710 – FIRE ALARM RISER DIAGRAM & CALCULATIONS, (1 page, rev 1, 6/13/25)
CHENOWETH ES - E800 – ELECTRICAL SCHEDULES, LEGENDS AND NOTES, (1 page, rev 1, 6/13/25)



Pre-Bid Job Walk Attendees

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PROJECT:
MCSD Bid No.: 2024-7
Fremont ES, Muir ES, Chenoweth ES
Temporary Portable Classrooms & Sitework
Merced City School District

Date: June 13, 2025
Time: 9:00 AM
TETER Project No.: 24-13265,66,67

MANDATORY PRE-BID JOB WALK ATTENDEE SHEET:

Name	Company Name	Phone	Email
Daniel Dooly	Hensleys paving	209-874-9710	Daniel@Hensleyspaving.com
JOHN MORROW	TBS CONTRACTORS	209 304-8424	ESTIMATING@TAYLORBACKHOE.COM
Taj Rahkar	Rahkar Development & Construction	559-994-9482	Taj@RDCFresno.com
Chris Drake	BDM Inc	559-554-5848	estimating@bdminc.net
Charlene Borrelli	BZ Construction	209-531-1252	MZamara@BZConstr.com
Christina Watson	Caliber Contracting	(559)330-6300	estimating@calibercontracting.net
JOEY RANDOLPH	VALLEY CONSTRUCTION	(209) 684-9490	ESTIMATING@VCSI.COM

**PRIME BIDDER CERTIFICATION OF DISABLED VETERAN
BUSINESS ENTERPRISE PARTICIPATION**

To be completed by the Prime Bidder

PAGE 1 OF 2

PART I – IDENTIFICATION INFORMATION		
BIDDER'S NAME	BUSINESS ADDRESS	TELEPHONE NUMBER
SCHOOL DISTRICT	COUNTY	APPLICATION NO.

PART II – METHOD OF COMPLIANCE WITH DVBE PARTICIPATION GOALS – Include this form and any other applicable documents listed in this table with your bid/proposal. Read the three columns in the table below as sentences from left to right. Check the appropriate box to indicate your method of committing the contract dollar amount.

NOTE: *Architectural, engineering, environmental, land surveying or construction management firms must indicate their method of compliance by marking the appropriate box A, B, C, or D after selection by the District and before the contract is signed.*

YOUR BUSINESS ENTERPRISE	AND YOU	AND YOU
A. ☐ <i>is Disabled Veteran owned and your forces, will perform at least 3 percent of this contract</i>	<i>will include a copy of your DVBE letter from the Office of Small Minority Business (OSBCR).</i>	
B. ☐ <i>is Disabled Veteran owned but is unable to perform the 3 percent of this contract with your forces</i>	<i>will use DVBE subcontractors/ suppliers to bring the contract participation to at least 3 percent</i>	<i>will include a copy of each DVBE's letter from OSBCR (including yours, if applicable).</i>
C. ☐ <i>is not Disabled Veteran owned</i>	<i>will use DVBE subcontractors/ suppliers for at least 3 percent of this contract</i>	
D. ☐ <i>is unable to meet the required participation goals</i>	<i>will complete a Good Faith Effort to obtain DVBE participation</i>	<i>will include the Prime Bidder's Good Faith Effort Worksheet.</i>

Note: An Office of Small Business, Certification and Resources (OSBCR) letter must be attached for each DVBE participating in the contract. The DVBE letter is obtained by application through the OSBCR and must be provided at the time of bid opening. If the letter is not provided, the bid may be deemed nonresponsive and may be ineligible for award of the contract.

Continued on reverse side

PART III – DVBE DOLLAR PARTICIPATION OF BID/PROPOSAL – *Architectural, engineering, environmental, land surveying or construction management firms complete this part **after** selection by the district and before the contract is signed.*

Show deductive alternate(s) in parenthesis. For more alternates/base bids, use a separate page to show items.

- A. If your business enterprise is a DVBE, list in the appropriate column the total dollar amount of your bid to be performed by your own participation.
- B. List all your DVBE subcontractors/suppliers. Enter in the appropriate column the dollar amount for each of your subcontractors/suppliers.
- C. Enter the total of Lines A and B for each column.
- D. Enter the dollar amount of the bid/proposal to be performed by **non-DVBE** firms. Note: This line is the sum of the prime and subcontractor(s) **non-DVBE** dollar participation.
- E. Enter the sum of the column totals from Line C and Line D. Note: Please be aware that the final determination of DVBE compliance is made based on the contract amount resulting from the district's acceptance or rejection of alternates.

	BASE BID/PROPOSAL	ALTERNATE #1	ALTERNATE #2	ALTERNATE #3 OR BASE BID B	ALTERNATE #4 OR BASE BID C	ALTERNATE #5 (Modernization or Reconstruction Only)
A. Prime Bidder, <i>if DVBE (own participation)</i>	\$	\$	\$	\$	\$	\$
B. DVBE Subcontractor or Supplier						
1.						
2.						
3.						
4.						
C. Subtotal (A & B)						
D. Non-DVBE						
E. Total Bid						

PRIME BIDDER GOOD FAITH EFFORT WORKSHEET

This worksheet is to be used to assist the Prime Bidder in meeting the 3% DVBE participation goal

PAGE 1 OF 2

BIDDER'S NAME	BUSINESS ADDRESS	CONTACT PERSON
TELEPHONE NUMBER	OWNER	COUNTY

GENERAL INSTRUCTIONS:

This worksheet is to be used to assist you in meeting the 3 percent DVBE participation goal. If specific information is not provided for Parts I through III, you do not meet the test of the "Good Faith Effort" and cannot so certify. If you are qualifying based on a "Good Faith Effort" you must include this form with your bid/proposal to the Owner.

PART I – CONTACTS

To identify DVBE subcontractors/suppliers for participation in your bid/proposal, contact must be made with each of the following categories. It is recommended that you contact several DVBE organizations.

CATEGORY	TELEPHONE NUMBER	DATE CONTACTED	PERSON CONTACTED
1. Owner	(209) 826-1936		
2. Office of Small Business and DVBE Services (OSDS). OSDS publishes a searchable list of Disabled Veteran Business Enterprises Internet address – http://www.bidsync.com/DPXRisCASB	(916) 375-4940		
3. DVBE Organizations (<i>List</i>):			
4. Write "recorded message" in this column, if applicable.			

PART II – ADVERTISEMENTS *You must make at least two (2) advertisements, one (1) in a paper that focuses on DVBE and one (1) in a trade paper. Advertisements should be published at least 14 days prior to bid/proposal opening; if you cannot advertise 14 days prior, advertise as soon as possible and provide an explanation. (Advertisements must be published in time to allow for a reasonable response). Advertisements must include that your firm is seeking DVBE participation, the project name and location, your firm's name, your firm's contact person, and phone number.*

Attach copies of advertisements to this form.

FOCUS/TRADE PAPER NAME	CHECK ONE		DATE OF ADVERTISEMENT
	TRADE	FOCUS	

PART III – DVBE SOLICITATIONS *List DVBE subcontractors/suppliers that were invited to bid. Use the following instructions to complete the remainder of this section (read the three columns as a sentence from left to right). If you need additional space to list DVBE solicitations, please use a separate page and attach to this form.*

IF THE DVBE.....	THEN.....	AND.....		
Was selected to participate	Check "yes" in the "SELECTED" column, include the applicable dollar amount in Part III of the Prime Bidder Certification	Include a copy of their DVBE letter from OSBCR.		
Was not selected to participate	Check "no" in the "SELECTED" column	State why in the "REASON NOT SELECTED" column.		
Did not respond to your solicitation	Check the "NO RESPONSE" column			
DISABLED VETERANS BUSINESS ENTERPRISES CONTACTED	SELECTED		REASON NOT SELECTED <i>This section must be completed</i>	NO RESPONSE
	YES	NO		

IMPORTANT NOTE:

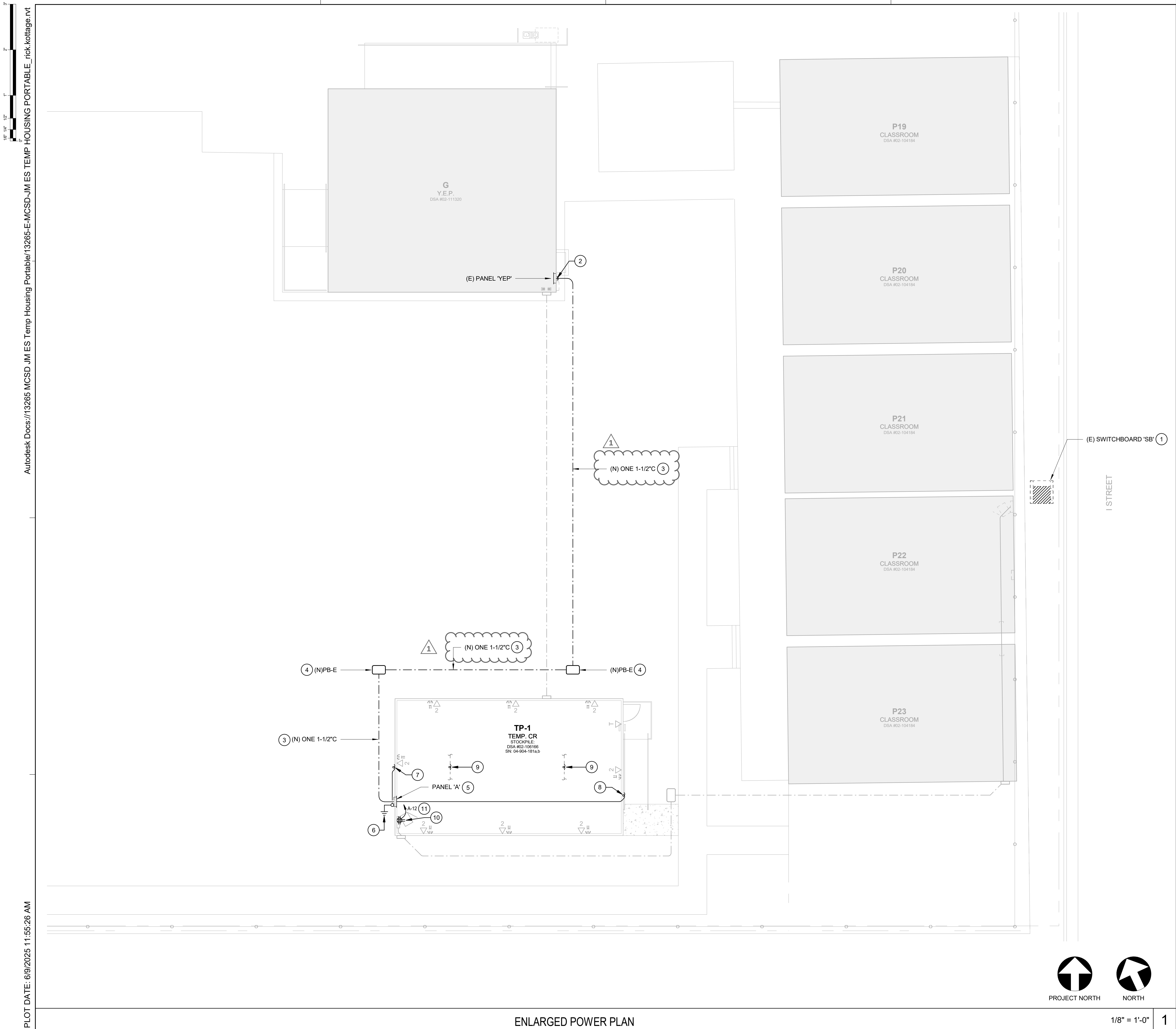
Please be aware that certification of the "Good Faith Effort" may only be made if you fully complete Parts I, II, and III on both sides of this form. A copy of this form must be retained by you and may be subject to a future audit.

CERTIFICATION

I, _____ certify that I am the bidder's Chief Executive Officer and that I have made a diligent effort to ascertain the facts with regard to the representations made herein. In making this certification, I am aware of Section 12650 et seq. of the Government Code providing for the imposition of treble damages for making false claims.

SIGNATURE OF CHIEF EXECUTIVE OFFICER

DATE



KEYNOTES

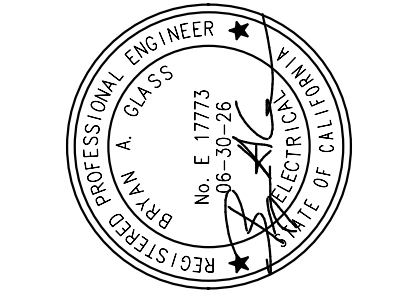
- 1 (E) SWITCHBOARD 'SB' PER SINGLE LINE DIAGRAM 2/E600.
- 2 DISCONNECT (E) FEEDER CONDUCTORS AT (E) PANEL 'YEP', AND PULL BACK TO (E) PULL CAN ON EXTERIOR OF BUILDING. REPLACE EXISTING PULL CAN WITH NEW 18" X 18" X 6" NEMA 3R PULL CAN, AND PROVIDE FEEDER TAP TO SUPPLY (E) PANEL 'YEP', AND (N) PANEL 'A' AT (N) RELOCATABLE CLASSROOM BUILDING. PROVIDE (N) 100A, 2-POLE, NEMA 3R ENCLOSED CIRCUIT BREAKER ON EXTERIOR BUILDING WALL AT (E) RELOCATABLE BUILDING PER SINGLE LINE DIAGRAM 2/E600.
- 3 PROVIDE ONE (N) 1-1/2" C WITH 3#2 CU THWN + 1#6 CU GND.
- 4 PROVIDE (N) POWER PULL BOX PER DETAIL 4/E600.
- 5 CONNECT PANEL AT (N) RELOCATABLE BUILDING PER SINGLE LINE DIAGRAM 2/E600.
- 6 PROVIDE SYSTEM GROUND FACILITIES PER DETAILS 7/E600 AND 8/E600.
- 7 PROVIDE GROUNDING LUGS ON BOTH SIDES OF RIGID METAL BEAMS AND BOND RELOCATABLE BUILDING SECTIONS TOGETHER WITH 1#6 CU GND.
- 8 PROVIDE GROUNDING LUG AND BOND METAL HANDRAIL WITH 1#6 CU GND.
- 9 RECONNECT (E) POWER AND LIGHTING BRANCH CIRCUIT CONNECTIONS BETWEEN BUILDING SECTIONS.
- 10 PROVIDE DEDICATED QUADRAPLEX RECEPTACLE AT (N) IDF CABINET. VERIFY EXACT HEIGHT AND LOCATION WITH OWNER.
- 11 PROVIDE (N) 20A, 1-POLE CIRCUIT BREAKER AT PANEL 'A' - CIRCUIT #12, AND CONNECT BRANCH CIRCUIT FOR (N) RECEPTACLE AT (N) IDF CABINET.

GENERAL NOTES

- A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.
- B. TRENCH AND BACKFILL PER ARCHITECTURAL PLANS, SPECIFICATIONS, AND DETAIL 3/E600. SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 24" BELOW FINAL GRADE TO TOP OF CONDUIT.
- C. 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.
- D. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

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MARK	DATE	DESCRIPTION
A	06/02/25	BID DOCUMENTS



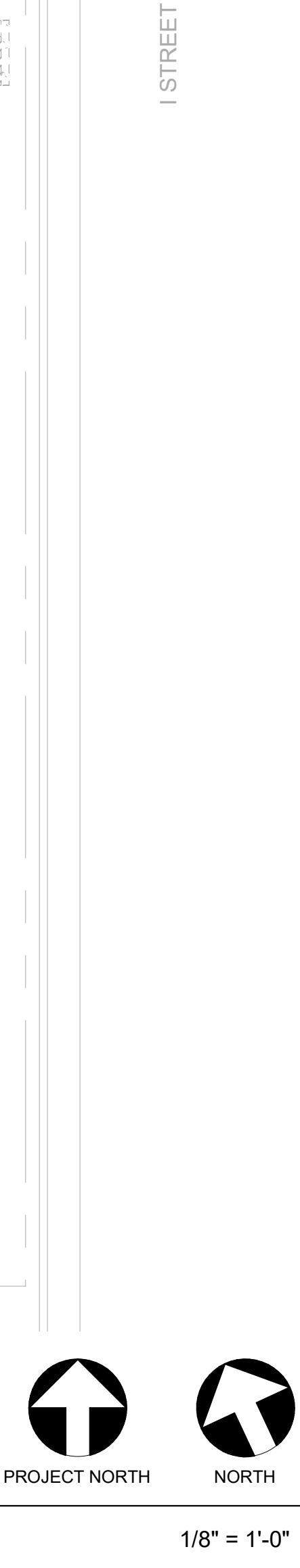
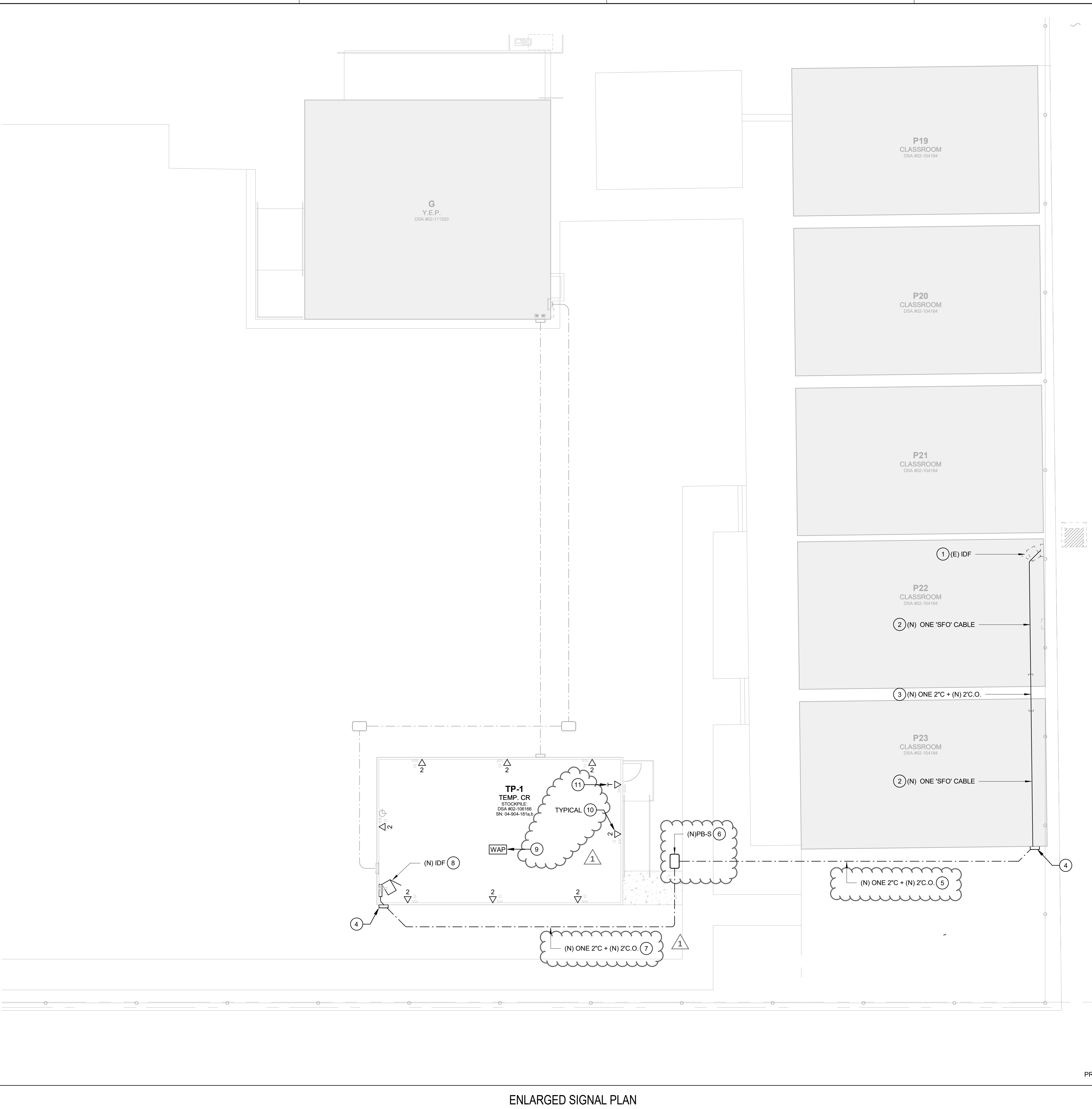
TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED



PRE-ENGINEERED RELOCATABLE
BUILDING AND ASSOCIATED SITE WORK
JOHN MUIR ELEMENTARY SCHOOL
MERCED, CA
DRAWING TITLE
ENLARGED POWER PLAN

PROJECT NO.
25-13265
DRAWING

E200



KEYNOTES

- EXTEND FIBER OPTIC NETWORK TO (N) DOWNSTREAM IDF.
- PROVIDE ONE (N) 'SFO' CABLE. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600.
- PROVIDE ONE (N) 2'C. SLEEVE WITH ONE 'SFO' CABLE. AND ONE (N) 2'C.O. SLEEVE BETWEEN RELOCATABLE BUILDINGS PER DETAIL 12/E600.
- PROVIDE (N) 18" SQ. X 6" DEEP NEMA 3R SCREW COVER CAN HIGH ON EXTERIOR BUILDING WALL. WITH TWO 2" CONDUIT SLEEVES INTO ACCESSIBLE ATTIC SPACE (ONE FOR DATA, AND ONE SPARE). VERIFY EXACT LOCATION WITH OWNER AT SITE.
- PROVIDE ONE (N) 2'C WITH ONE 'SFO' CABLE, AND ONE (N) 2'C.O. LINE BORE UNDER (E) CONCRETE SIDEWALK
- PROVIDE (N) SIGNAL PULL BOX PER DETAIL 4/E600.
- PROVIDE ONE (N) 2'C WITH ONE 'SFO' CABLE, AND ONE (N) 2'C.O.
- MOUNT (N) IDF CABINET HIGH ON WALL. BELOW CEILING PER DETAIL 13/E600. VERIFY EXACT LOCATION WITH OWNER.
- PROVIDE ONE (1) NEW TYPE 'D10' CABLE FROM (N) WIRELESS ACCESS POINT TO (N) IDF. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600.
- PROVIDE TWO (2) NEW TYPE 'D' CABLES FROM (N) DATA OUTLET TO (N) IDF. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600.
- PROVIDE ONE (1) NEW TYPE 'T' CABLE FROM (N) TELEPHONE OUTLET TO (N) IDF. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600.

TELECOMMUNICATION CABLING NOTES

- VERIFY EXACT NUMBER AND LOCATION OF NEW TELEPHONE AND DATA OUTLETS WITH OWNER. REUSE EXISTING DATA OUTLET BOXES AND CONDUIT CONCEALED IN WALLS WHERE POSSIBLE. WHERE NO EXISTING OUTLET BOXES OR CONCEALED CONDUIT OCCURS, PROVIDE NEW SURFACE OUTLET BOXES AND SURFACE RACEWAY TO ACCESSIBLE ATTIC SPACE.
- PROVIDE THREADED SET SCREW CONNECTORS WITH POLYPROPYLENE BUSHINGS AT EACH END OF CONDUIT SYSTEMS USED FOR TELECOMMUNICATION CABLE INSTALLATION. BUSHINGS SHALL BE INSTALLED AND INSPECTED PRIOR TO CABLE INSTALLATION
- EACH TELECOMMUNICATION CABLE SHALL BE HOMERUN FROM THE TELECOMMUNICATION OUTLET TO A PATCH PANEL LOCATED IN THE IDF IN THE ADJACENT BUILDING.
- TELECOMMUNICATION CABLES SHALL BE NEATLY BUNDLED WITH VELCRO STRAPS AT 36" O.C.
- TELECOMMUNICATION CABLES SHALL BE INDEPENDENTLY SUPPORTED FROM J-HOOKS WITHIN THE ACCESSIBLE ATTIC SPACE WHERE THEY ARE NOT WITHIN CONDUIT.
- TELECOMMUNICATION CABLES SHALL BE TERMINATED WITH MODULAR JACKS ON PATCH PANELS IN THE TELECOMMUNICATION ENCLOSURE AND ON MODULAR JACKS AT THE TELECOMMUNICATION OUTLETS.
- TELECOMMUNICATION CABLE SERVING WIRELESS ACCESS POINTS SHALL BE TERMINATED WITH PLUG TYPE CONNECTORS AT THE LOCATION OF THE WIRELESS ACCESS POINT.

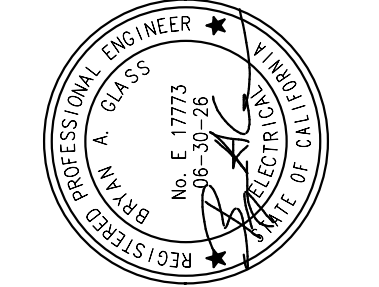
GENERAL NOTES

- TRENCH AND BACKFILL PER ARCHITECTURAL PLANS, SPECIFICATIONS, AND DETAIL 3/E600. SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 24" BELOW FINAL GRADE TO TOP OF CONDUIT.
- 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.
- PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

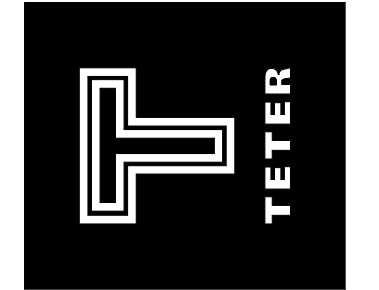
PRE-ENGINEERED RELOCATABLE
BUILDING AND ASSOCIATED SITE WORK
JOHN MUIR ELEMENTARY SCHOOL
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DRAWING TITLE
ENLARGED SIGNAL PLAN

PROJECT NO.
25-13265

DRAWING
E400



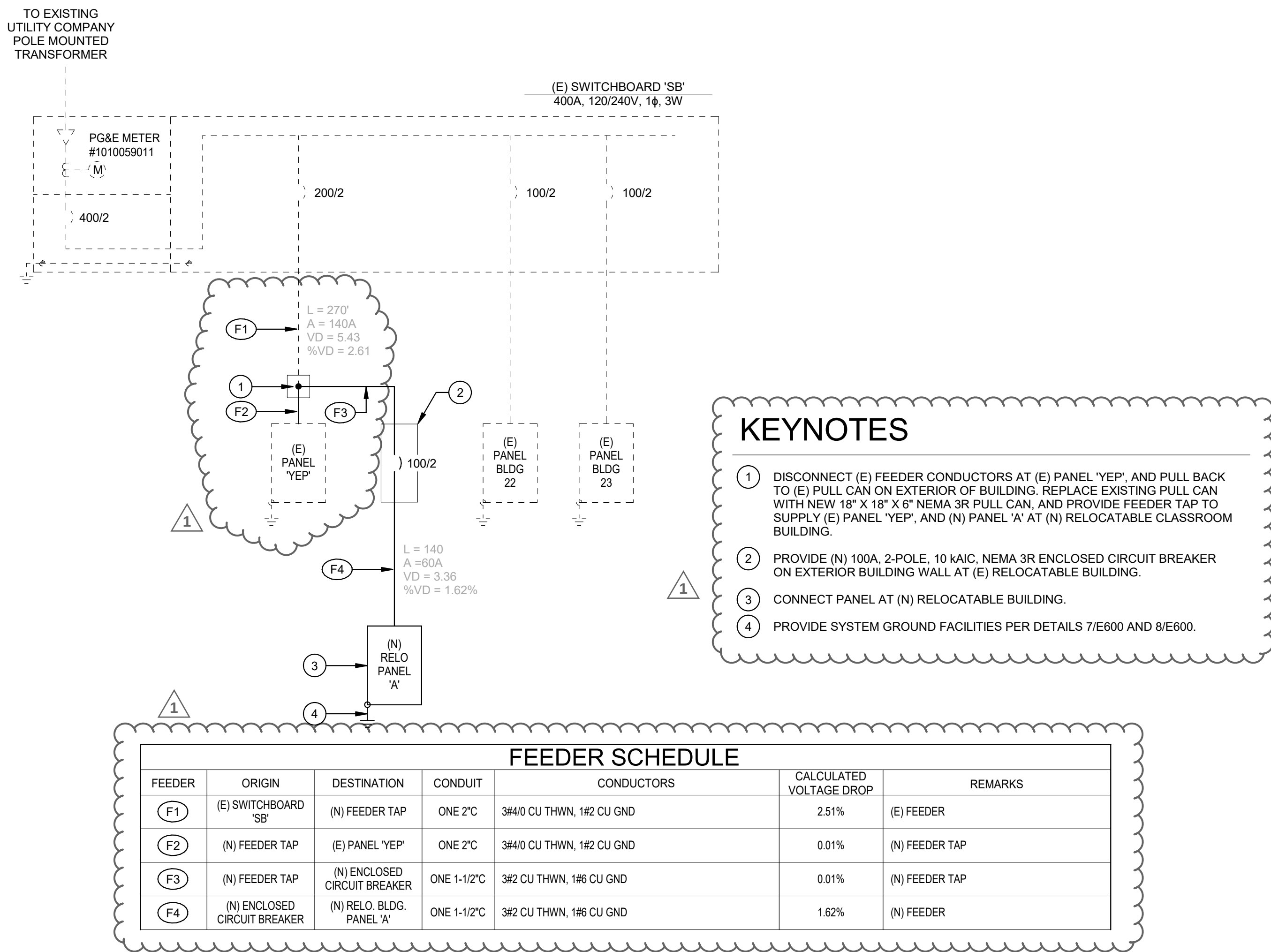
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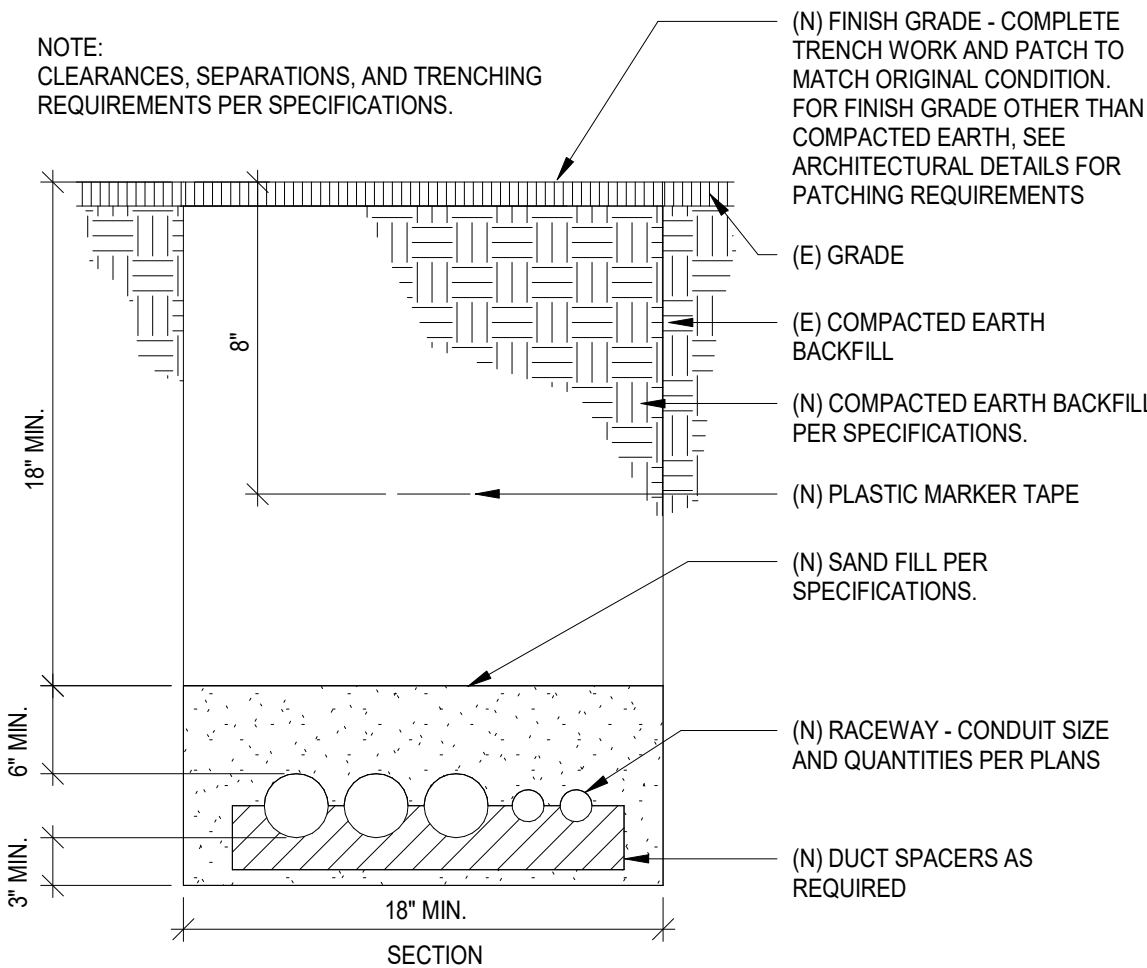
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N.T.S.	2
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1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL, AND TO METAL BUILDING FRAME (CEC 250.22). IN ADDITION TO THE RELOCATABLE BUILDING GROUP DETAIL ON THIS SHEET, BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52).
3. ALL MODULES OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING).
4. PROVIDE TWO GROUND RODS NOT LESS THAN 6' APART.
5. WHERE MODULAR BUILDINGS ARE INSTALLED ON CONCRETE FOUNDATIONS, A UFER GROUND SHALL BE INSTALLED IN THE FOOTING PER CEC 250.52(A) (3).
6. OTHER GROUNDING METHODS IDENTIFIED IN CEC 250 SHALL BE ACCEPTABLE MEANS TO ACHIEVE ADEQUATE GROUNDING OF METAL BUILDINGS IN COMPLIANCE WITH THE ABOVE.

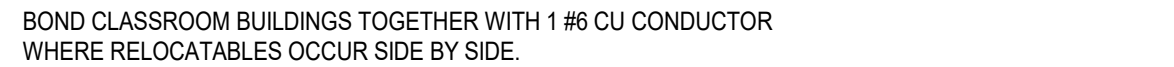


N.T.S.	11
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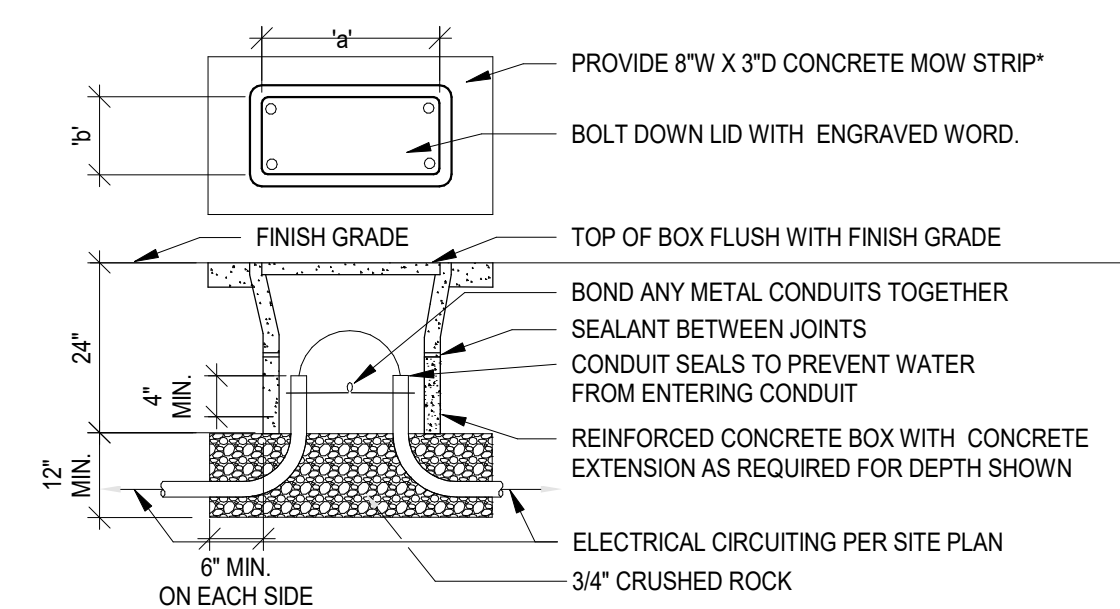
N.T.S.

THE GROUNDING ELECTRODE SYSTEM SHALL BE TESTED BY THE FALL OF POTENTIAL METHOD AS SPECIFIED IN IEEE STANDARD 81-1983 AND SHOWN TO BE 5 OHMS OR LESS. A COPY OF THE TEST REPORT, SIGNED BY THE PROJECT INSPECTOR WHO WITNESSED THE TEST, SHALL BE SUBMITTED TO THE ARCHITECT AND ELECTRICAL ENGINEER.



N.T.S.	3
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	DIMENSION 'a'	DIMENSION 'b'	ENGRAVING	LID TYPE
(N)PB-E	24 1/4"	13 1/4"	ELECTRICAL	CONCRETE
(N)PB-S	24 1/4"	13 1/4"	SIGNAL	CONCRETE

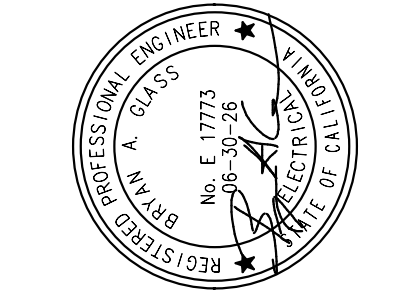


***NOTE:**
WHERE PULL BOX IS ADJACENT TO CONCRETE WALK, EXTEND MOWSTRIP TO CONNECT WITH WALK. CONCRETE MOW STRIP IS NOT REQUIRED ON PULL BOXES INSTALLED IN ASPHALT PAVING.

N.T.S.	12
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N.T.S.

N.T.S.	4
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TELECOMMUNICATION CABLE SCHEDULE					
CABLE DESIGNATION	DESCRIPTION	MANUFACTURER & CATALOG #	OUTER JACKET COLOR	SYSTEM	USE
'SFO'	12-STRAND SINGLE-MODE FIBER OPTIC CABLE	CORNING SMF-28e+ OR EQUIVALENT	BLACK	DATA	SITE OPTICAL FIBER DATA NETWORK
'D'	4 UTP #23 AWG CATEGORY 6 CMP PLENUM RATED	BERK-TEK LANMARK-1000	BLUE	DATA	HORIZONTAL DATA CABLE - INTERIOR
'D10'	4 UTP #23 AWG CATEGORY 6A CMP PLENUM RATED	BERK-TEK LANMARK-10G2	ORANGE	DATA (WAP)	HORIZONTAL DATA WAP CABLE - INTERIOR
'T'	4 UTP #23 AWG CATEGORY 6 CMP PLENUM RATED	BERK-TEK LANMARK-1000	WHITE	TELEPHONE	BUILDING TELEPHONE CABLE

MEP COMPONENT BRACING 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 2022 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, 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 110/220 VOLT RECEPTACES HAVING 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 HAVE 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 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 DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3.3 AS DEFINED IN ASCE 7-16 TABLE 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.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 PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2019 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), AND ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☐ E ☒ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFICATIONS AND DETAILS

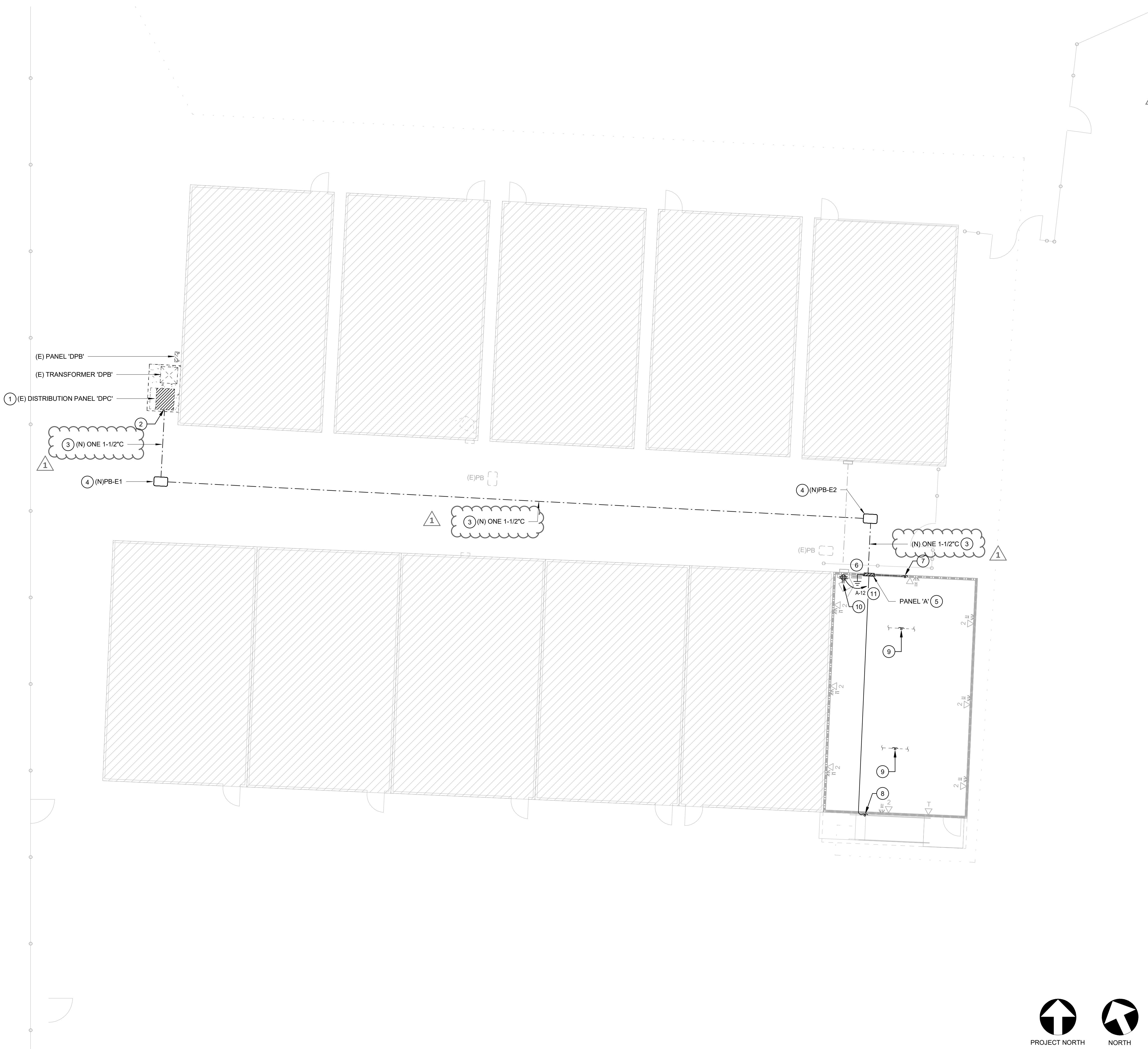
MP ☐ MD ☐ PP ☐ E ☐ OPTION 2: SHALL COMPLY WITH HCAI (OSHPD) PREAPPROVAL (OPM# _____), AS INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS.

GENERAL NOTES	N.T.S.	12
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SYMBOL LEGEND AND NOTES



PROJECT NO.
25-13265
DRAWING
E800



KEYNOTES

- CONNECT (N) FEEDER TO (E) SPARE 100A, 2-POLE CIRCUIT BREAKER PER SINGLE LINE DIAGRAM 1/E700.
- PROVIDE (N) RAINTIGHT CONDUIT LB OUT OF SIDE OF DISTRIBUTION PANEL FOR (N) FEEDER, AND TRANSITION TO UNDERGROUND.
- PROVIDE ONE (N) 1-1/2" C WITH 3#2 CU THWN, AND 1#6 CU GND.
- PROVIDE (N) POWER PULL BOX PER DETAIL 2/E600.
- CONNECT PANEL AT (N) RELOCATABLE BUILDING PER SINGLE LINE DIAGRAM 1/E700.
- PROVIDE SYSTEM GROUND FACILITIES PER DETAILS 3/E600 & 4/E600.
- PROVIDE GROUNDING LUGS ON BOTH SIDES OF RIGID METAL BEAMS AND BOND RELOCATABLE BUILDING SECTIONS TOGETHER WITH 1#6 CU GND.
- PROVIDE GROUNDING LUG AND BOND METAL HANDRAIL WITH 1#6 CU GND.
- RECONNECT (E) POWER AND LIGHTING BRANCH CIRCUIT CONNECTIONS BETWEEN BUILDING SECTIONS.
- PROVIDE DEDICATED QUADRAPLEX RECEPTACLE AT (N) IDF CABINET. VERIFY EXACT HEIGHT AND LOCATION WITH OWNER.
- PROVIDE (N) 20A, 1-POLE CIRCUIT BREAKER AT PANEL 'A' - CIRCUIT #12, AND CONNECT BRANCH CIRCUIT FOR (N) RECEPTACLE AT (N) IDF CABINET.

GENERAL NOTES

- PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.
- TRENCH AND BACKFILL PER ARCHITECTURAL PLANS, SPECIFICATIONS, AND DETAIL 1/E600. SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 18" BELOW FINAL GRADE TO TOP OF CONDUIT.
- 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.
- PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

PRE-ENGINEERED RELOCATABLE
BUILDING AND ASSOCIATED SITE WORK
JOHN C. FREMONT ELEMENTARY SCHOOL
MERCED, CA

PROJECT NO.

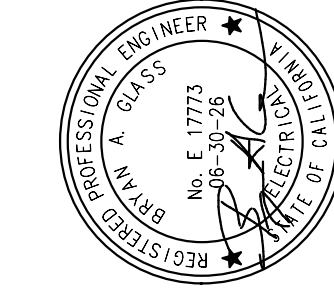
25-13266

DRAWING

E200

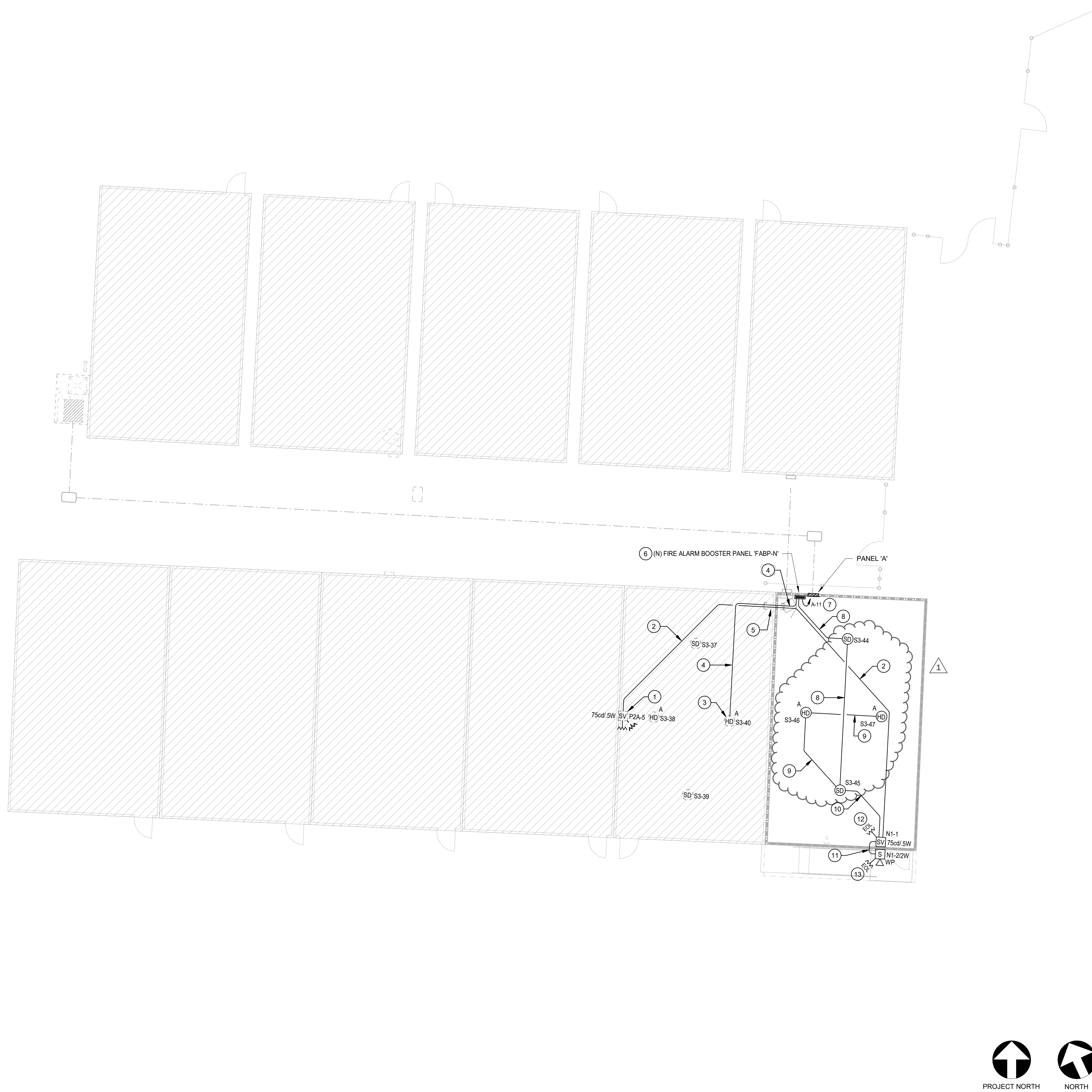
DRAWING TITLE
ENLARGED POWER PLAN

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



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MARK	DATE	DESCRIPTION
1	6/13/25	ADDENDUM 01
A	06/02/25	BID DOCUMENTS



KEYNOTES

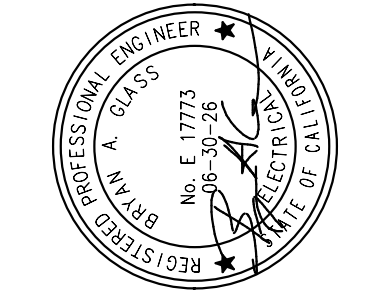
- 1 DISCONNECT AND REMOVE (E) SPEAKER CIRCUIT 'END-OF-LINE' RESISTOR, AND PRESERVE FOR REUSE. PICK UP (E) FIRE ALARM SPEAKER CIRCUIT AND EXTEND TO (N) SPEAKER/STROBE, AND (N) EXTERIOR SPEAKER AT (N) RELOCATABLE CLASSROOM BUILDING.
- 2 PROVIDE ONE (N) 'FS' CABLE. RUN IN (E) CONDUIT IN WALL, AND ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 6/E600.
- 3 PICK UP (E) FIRE ALARM SIGNALING LINE CIRCUIT AT (E) FIRE ALARM ADDRESSABLE INITIATION DEVICE, AND EXTEND TO (N) FIRE ALARM BOOSTER PANEL 'FAB-N' AT (N) RELOCATABLE CLASSROOM BUILDING.
- 4 PROVIDE ONE (N) 'FA' CABLE. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 6/E600.
- 5 PROVIDE (N) 1" CONDUIT SLEEVE BETWEEN BUILDING ATTIC SPACES.
- 6 PROVIDE (N) FIRE ALARM BOOSTER PANEL 'FAB-N' AND CONNECT TO (E) FIRE ALARM SIGNALING LINE CIRCUIT PER FIRE ALARM RISER DIAGRAM 2/E710.
- 7 PROVIDE (N) 20A, 1-POLE, CIRCUIT BREAKER AT PANEL 'A' - CIRCUIT #11 AND CONNECT TO DEDICATED 120V BRANCH CIRCUIT AT WITH 1/2" - #212 CU THWN + #12 CU GND. REFER TO FIRE ALARM RISER DIAGRAM 2/E710 FOR BRANCH CIRCUIT REQUIREMENTS.
- 8 PROVIDE ONE (N) 'FA' CABLE AND ONE (N) 'FV' CABLE. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 6/E600.
- 9 PROVIDE ONE (N) 'FA' CABLE. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 6/E600.
- 10 PROVIDE ONE (N) 'FV' CABLE. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 6/E600, AND IN (E) CONDUIT IN WALL.
- 11 RUN ONE (N) 'FS' CABLE IN (E) CONDUIT IN WALL.
- 12 PROVIDE (N) 'END-OF-LINE' RESISTOR FOR (N) NOTIFICATION APPLIANCE CIRCUIT, AT LAST VISUAL DEVICE ON CIRCUIT.
- 13 REINSTALL (E) 'END-OF-LINE' RESISTOR FOR (E) SPEAKER CIRCUIT, AT LAST (N) AUDIBLE DEVICE ON CIRCUIT.

FIRE ALARM SYSTEM INSTALLATION NOTES

- A. THE LOCATION OF AUTOMATIC DETECTORS, MANUAL PULL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY, AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
- B. ALL DRAWINGS ARE DIAGRAMMATIC ONLY, AND SHALL NOT BE USED IN DETERMINING ACTUAL CONDUIT ROUTING. THE CONTRACTOR SHALL VERIFY ALL CONDUIT ROUTING CONDITIONS AT THE PROJECT SITE AS CONSTRUCTION PROGRESSES.
- C. ALL FIRE ALARM DATA, COMMUNICATIONS AND INITIATING CIRCUITS SHALL BE INSTALLED UTILIZING SOLID COPPER CONDUCTORS WITH OUTER COVERING COLORS PER THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS. ALL SMOKE DAMPER AND REMOTE TROUBLE INDICATOR CIRCUITS SHALL BE YELLOW. ALL CIRCUITS SHALL BE INDIVIDUALLY LABELED, BOTH AT THE DEVICE END AND AT THE SIGNAL TERMINAL CABINET AND/OR FIRE ALARM MASTER PANEL TERMINATION POINT.
- D. ALL FIRE ALARM CIRCUITS SHALL BE CONTINUOUS FROM DEVICE TO DEVICE. SPLICES ARE NOT ALLOWED UNLESS IN COVERED JUNCTION BOXES ON APPROVED TERMINAL BLOCKS. "T" TAPPING IS ALLOWED ONLY IN INITIATION LOOPS CONNECTING ADDRESSABLE DEVICES AND ONLY UNDER THESE CONDITIONS. UNDER NO CIRCUMSTANCES SHALL "T" TAPPING BE PERMITTED BETWEEN CONVENTIONAL DEVICES.
- E. SMOKE DETECTORS SHALL BE INSTALLED AWAY FROM AIR SUPPLY GRILLER AT A MINIMUM DISTANCE OF 3' PER NFPA 72 29.8.3.4 OR GREATER AS RECOMMENDED BY THE MANUFACTURER.
- F. CONTRACTOR SHALL SYNCHRONIZE TWO OR MORE STROBES IN ONE ROOM AND TWO OR MORE SPEAKERS WITHIN HEARING OF EACH OTHER.
- G. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE 2022 CALIFORNIA ELECTRICAL CODE (CEC) ARTICLE 760 AND THE 2022 CALIFORNIA FIRE CODE (CFC) § 105.7.8 AND § 907, AND CALIFORNIA BUILDING CODE (CBC) 907.

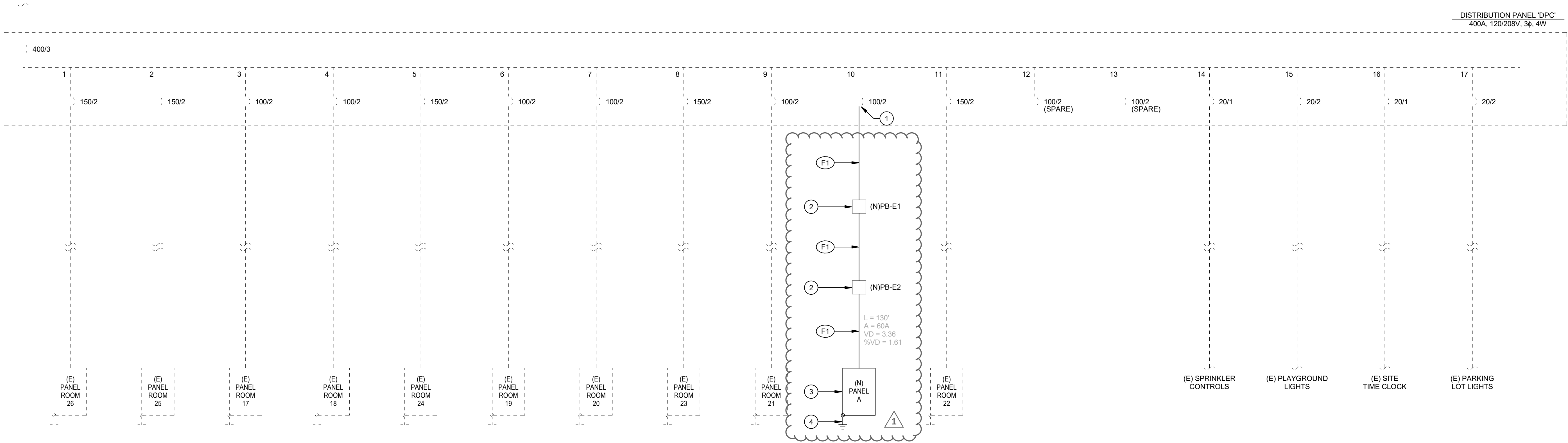
GENERAL NOTES

- A. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.



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MARK	DATE	DESCRIPTION
A	06/02/25	BID DOCUMENTS



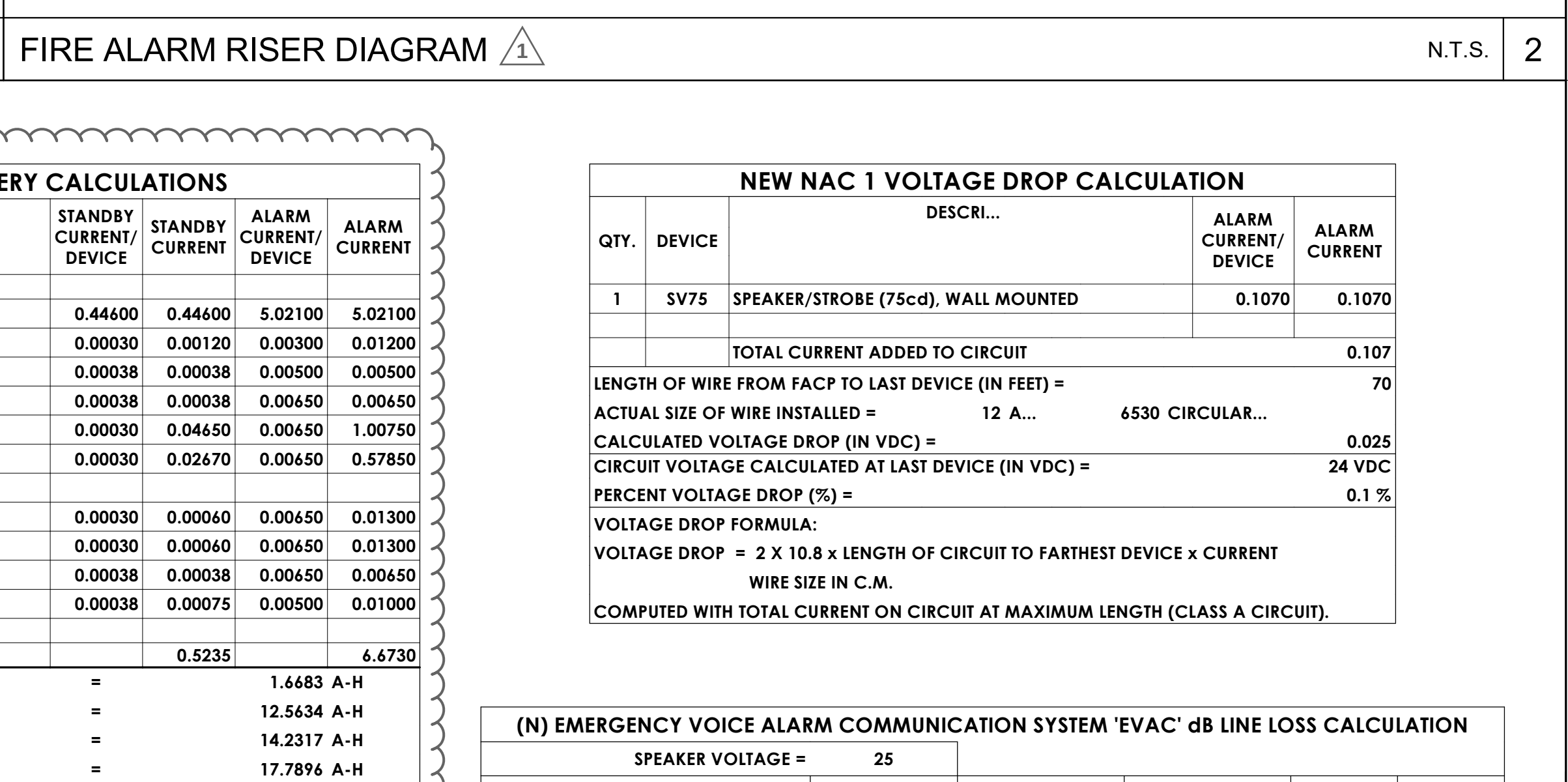
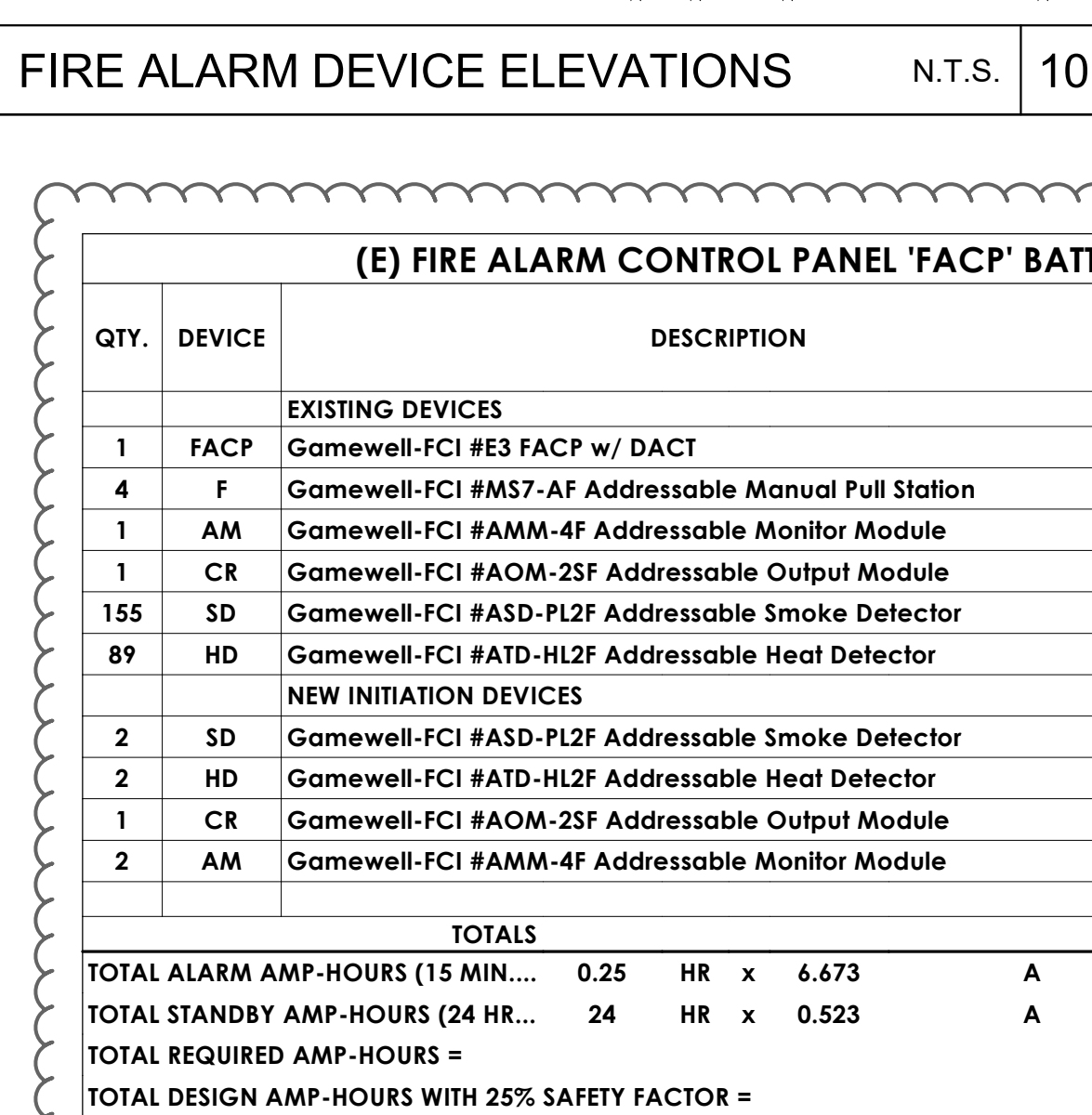
FEEDER SCHEDULE					
FEEDER	ORIGIN	DESTINATION	CONDUIT	CONDUCTORS	CALCULATED VOLTAGE DROP
(F1)	DISTRIBUTION PANEL 'DPC'	(N) RELOCATABLE PANEL 'A'	ONE 1-1/2"Ø	3#2 CU THWN, 1#6 CU GND	1.61%
					NEW FEEDER

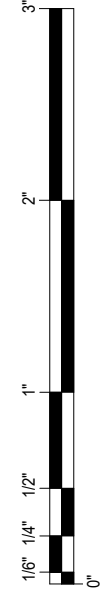
KEYNOTES

- CONNECT (N) FEEDER TO (E) SPARE 100A, 2-POLE CIRCUIT BREAKER, AND PROVIDE (N) ENGRAVED NAMEPLATE (MATCH EXITING).
- PROVIDE (N) PULL BOX PER DETAIL 2/E600.
- CONNECT PANEL AT (N) RELOCATABLE CLASSROOM BUILDING.
- PROVIDE GROUNDING ELECTRODE SYSTEM AT (N) RELOCATABLE CLASSROOM BUILDING PER DETAILS 3/E600 & 4/E600.

FIRE ALARM SYSTEM		
DEVICE	ACTIVATE EVACUATION SIGNALS/STROBES	SHUTDOWN FIRE/S DAMPER, OR ACTI SMOKE VENT REL
FIRE ALARM PANEL SYSTEM TROUBLE		
SMOKE DETECTOR	×	
HEAT DETECTOR	×	

OPERATIONAL MATRIX			
TOKE ATE ASE	SHUTDOWN HVAC EQUIPMENT	ANNUNCIATE AT BUILDING FACP AND ALL REMOTE ANNUNCIATORS	SEND SIGNAL TO CENTRAL STATION
		×	×
		×	×
		×	×





FIRE ALARM CABLE SCHEDULE

CABLE DESIGNATION	DESCRIPTION	MANUFACTURER & CATALOG #	OUTER JACKET COLOR	SYSTEM	USE	C.S.F.M.
'FA'	1 PR. #16 AWG SOLID UNSHIELDED FPL	WEST PENN #D990	RED	FIRE ALARM	ADDRESSABLE SLC LOOP CABLE INTERIOR/INDOOR	#7160-0859-0102
'FS'	1 PR. #14 AWG SOLID SHIELED FPLP	WEST PENN #60992B	RED	FIRE ALARM	AUDIBLE SPEAKER CABLE INTERIOR/INDOOR	#7160-0859-0102
'FV'	1 PR. #12 AWG SOLID UNSHIELDED FPLP	WEST PENN #60995B	RED	FIRE ALARM	VISUAL STROBE NOTIFICATION APPLIANCE CIRCUIT - INTERIOR/INDOOR	#7160-0859-0102

FIRE ALARM CABLE SCHEDULE

N.T.S. 13

TELECOMMUNICATION CABLE SCHEDULE

CABLE DESIGNATION	DESCRIPTION	MANUFACTURER & CATALOG #	OUTER JACKET COLOR	SYSTEM	USE
'SFO'	12-STRAND SINGLE-MODE FIBER OPTIC CABLE	CORNING SMF-28e+ OR EQUIVALENT	BLACK	DATA	SITE OPTICAL FIBER DATA NETWORK
'D'	4 UTP #23 AWG CATEGORY 6 CMP PLENUM RATED	BERK-TEK LANMARK-1000	BLUE	DATA	HORIZONTAL DATA CABLE - INTERIOR
'D10'	4 UTP #23 AWG CATEGORY 6A CMP PLENUM RATED	BERK-TEK LANMARK-10G2	ORANGE	DATA (WAP)	HORIZONTAL DATA WAP CABLE - INTERIOR
'T'	4 UTP #23 AWG CATEGORY 6 CMP PLENUM RATED	BERK-TEK LANMARK-1000	WHITE	TELEPHONE	BUILDING TELEPHONE CABLE

TELECOMMUNICATIONS CABLE SCHEDULE

N.T.S. 14

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)

- REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNTED ELECTRICAL EQUIPMENT.
- REFER TO THE MECHANICAL AND PLUMBING PLANS FOR THE EXACT LOCATION OF ALL MECHANICAL, HVAC AND PLUMBING EQUIPMENT.
- 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.
- 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.
- 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 DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVEABLE 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 110/220 VOLT RECEPTACLES HAVING FLEXIBLE CABLE.
- 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:

- 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 SUPPORT THE COMPONENT.
- 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 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 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 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.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), AND ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☐ E ☒ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

MP ☐ MD ☐ PP ☐ E ☐ OPTION 2: SHALL COMPLY WITH HCAI (OSHPD) PREAPPROVAL (OPM#) _____, AS INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS.

GENERAL NOTES

N.T.S. 12

SYMBOL LEGEND AND NOTES

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
E.P.	DENOTES EXPLOSION PROOF CONSTRUCTION	\$ a	SINGLE POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
D.T.	DENOTES DUST TIGHT CONSTRUCTION	\$ 2	TWO POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
O.C.	DENOTES SPACING DIMENSION ON CENTER LINE OF DEVICE	\$ 3	THREE WAY AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
R.T.	DENOTES RAIN TIGHT CONSTRUCTION	\$ 4	FOUR WAY AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
U.G.	DENOTES UNDERGROUND INSTALLATION	\$ M	HORSEPOWER RATED AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.
V.P.	DENOTES VAPOR TIGHT CONSTRUCTION	\$ P	SINGLE POLE AC SNAP SWITCH WITH PILOT LAMP @ +48" TO TOP OF BOX U.O.N.
W.P.	DENOTES WEATHERPROOF CONSTRUCTION	\$ T	DIGITAL TIMER SWITCH, FLUSH MOUNTED @ +48" TO TOP OF BOX U.O.N.
W.T.	DENOTES WATER TIGHT CONSTRUCTION	\$ A	SINGLE POLE AC SNAP SWITCH @ +48" TO TOP OF BOX, U.O.N.
A.F.F.	DENOTES ABOVE FINISHED FLOOR	\$ K	KEY OPERATED AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.
A.F.G.	DENOTES ABOVE FINISHED GRADE	\$	WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR @ +48" TO TOP OF BOX, U.O.N.
F.B.O.	DENOTES FURNISHED BY OTHERS	\$ M	OCCUPANCY SENSOR - CEILING MOUNTED
U.O.N.	DENOTES UNLESS OTHERWISE NOTED	\$ W	OCCUPANCY SENSOR - WALL MOUNTED @ +90" TO TOP OF BOX, U.O.N.
(E)	DENOTES EXISTING TO REMAIN, NO WORK U.O.N.	\$ P	LIGHTING CONTROL SYSTEM DIMMING-POWER PACK MOUNTED IN ATTIC
(N)	DENOTES NEW	\$ RP	LIGHTING CONTROL SYSTEM PLUG LOAD RELAY PACK MOUNTED IN ATTIC
1	ELECTRICAL KEYNOTES: DENOTES KEYNOTE #1 OF NOTES ON SAME SHEET	\$ C1	LIGHTING CONTROL SYSTEM 2-BUTTON DIMMING WALL SWITCH @ +48" TO TOP OF BOX U.O.N.
A-3	CIRCUIT HOME RUN: DENOTES PANEL A, CKT. #3, - 3/4" MINIMUM, U.O.N.	\$ C4	LIGHTING CONTROL SYSTEM 4-BUTTON DIMMING WALL SWITCH @ +48" TO TOP OF BOX U.O.N.
1	CIRCUIT FEEDER: DENOTES FEEDER 'F1' PER SYSTEM FEEDER SCHEDULE	\$ C1 L	LIGHTING CONTROL SYSTEM DIMMING WALL SWITCH WITH LOCKING COVER @ +48" TO TOP OF BOX U.O.N.
---	CONDUIT IN ATTIC/WALL: DENOTES 3/4"2H12 AWG CU THWN, 1#12 CU GND, U.O.N.	\$ DS	LIGHTING CONTROL SYSTEM DAYLIGHT SENSOR - CEILING MOUNTED
---	CONDUIT IN FLOOR/U.G.: DENOTES 3/4"2H12 AWG CU THWN, 1#12 CU GND, U.O.N.	\$ NB	LIGHTING CONTROL SYSTEM NETWORK BRIDGE
---	DENOTES EXISTING CONDUIT RUN TO REMAIN	\$ NG	LIGHTING CONTROL SYSTEM NETWORK GATEWAY
---	CONDUIT RUN - STUBBED, CAPPED AND LABELED.	\$ AD	LIGHTING CONTROL SYSTEM AUTOMATED DEMAND RESPONSE MODULE
---	CONDUIT RUN: DENOTES 3/4" - 3 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.	\$ TC	LIGHTING CONTROL SYSTEM TIME CLOCK
---	CONDUIT RUN: DENOTES 3/4" - 4 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.	\$ PC	PHOTOCELL CONTROL, MOUNTED ON ROOF
---	CONDUIT RUN: DENOTES 3/4" - 5 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.	\$ T	LOW VOLTAGE CONTROL TRANSFORMER
---	CONDUIT RUN: DENOTES 1" - 6 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.		
1	SEPARATE POWER AND DATA FLOOR BOXES (2)	\$\$\$	ELECTRICAL PANELBOARD PER PLANS, FLUSH MOUNTED IN WALL (4)
1	FLUSH FLOOR BOX WITH DEVICE(S) INSTALLED PER PLANS, U.O.N. (2)	\$\$\$	ELECTRICAL PANELBOARD PER PLANS, SURFACE MOUNTED ON WALL
1	TAMPER-RESISTANT SINGLE RECEPTACLE IN WALL @ +18", U.O.N.	\$\$\$	TERMINAL CABINET PER PLANS, FLUSH MOUNTED IN WALL (5)
1	TAMPER-RESISTANT DUPLEX RECEPTACLE IN WALL @ +18", U.O.N.	\$\$\$	TERMINAL CABINET PER PLANS, SURFACE MOUNTED ON WALL
1	TAMPER-RESISTANT DUPLEX GFI RECEPTACLE, IN WALL @ 18", U.O.N.	\$\$\$	LIGHTING CONTROL PANEL PER PLANS, FLUSH MOUNTED IN WALL (5)
1	TAMPER-RESISTANT SWITCHED GFCI RECEPTACLE IN WALL @ +18" A.F.F. U.O.N. (OCC. SENSOR OR WALL SWITCH CONTROLLED)	\$\$\$	LIGHTING CONTROL PANEL PER PLANS, SURFACE MOUNTED ON WALL
1	TAMPER-RESISTANT WEATHER RESISTANT (WR) DUPLEX GFCI RECEPTACLE W/ W.P. COVER @ +18", U.O.N.	\$\$\$	FIRE ALARM PANEL PER PLANS, FLUSH MOUNTED IN WALL (5)
1	TAMPER-RESISTANT DUPLEX ISOLATED GROUND RECEPTACLE IN WALL @ +18", U.O.N. (7)	\$\$\$	FIRE ALARM PANEL PER PLANS, SURFACE MOUNTED ON WALL
1	TAMPER-RESISTANT QUADRUPLX RECEPTACLE IN WALL @ +18", U.O.N.		
1	SPECIAL PURPOSE ELECTRICAL OUTLET PER PLAN IN WALL @ 18" U.O.N.	\$ WP	EXTERIOR SPEAKER (WALL MOUNTED), ELEVATION AS NOTED
1	DUPLEX RECEPTACLE FLUSH IN CEILING	\$ S	SPEAKER IN CEILING, U.O.N.
1	TAMPER-RESISTANT QUADRUPLX RECEPTACLE IN WALL @ +18" A.F.F. U.O.N. ONE UNSWITCHED RECEPTACLE AND ONE SWITCHED (OCC. SENSOR CONTROLLED) RECEPTACLE	\$ S	SPEAKER/CLOCK IN COMMON BACKBOX PER PLAN @ 12" BELOW CEILING, U.O.N.
1	JUNCTION BOX	\$	WALL CLOCK PER PLAN @ 12" BELOW CEILING, U.O.N.
1	JUNCTION BOX WITH FLEXIBLE CONDUIT CONNECTION TO EQUIPMENT	\$ S	SPEAKER ON WALL @ 12" BELOW CEILING, U.O.N. (3)
1	NON-FUSIBLE DISCONNECT SWITCH	\$ MD	INTRUSION ALARM SYSTEM MOTION DETECTOR (WALL MOUNTED) (3)
1	FUSIBLE DISCONNECT SWITCH	\$ DC	INTRUSION ALARM SYSTEM MAGNETIC DOOR CONTACT (3)
1	FUSIBLE DISCONNECT SWITCH WITH INTEGRAL MAGNETIC STARTER	\$ GC	INTRUSION ALARM SYSTEM MAGNETIC WINDOW CONTACT (3)
1	ELECTRIC MOTOR	\$ G	INTRUSION ALARM SYSTEM GLASS BREAK DETECTOR (3)
1	EXHAUST FAN OR FRACTIONAL HORSEPOWER MOTOR	\$ KP	INTRUSION ALARM SYSTEM KEYPAD (WALL MOUNTED) (3)
1	SURFACE MOUNTED RACEWAY, MOUNT @ +18" A.F.F. U.O.N.	\$ CR	INTRUSION ALARM SYSTEM CARD READER (WALL MOUNTED) (3)
1	RECESSED LED LIGHTING FIXTURE	\$ FR	INTRUSION ALARM SYSTEM FOB READER (WALL MOUNTED) (3)
1	RECESSED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	\$ SC	SECURITY CAMERA (WALL MOUNTED) ROUGH-IN LOCATION PER PLAN (3)
1	SURFACE MOUNTED LED LIGHTING FIXTURE		
1	SURFACE MOUNTED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	\$ SD	FIRE ALARM SMOKE DETECTOR ON CEILING, U.O.N.
1	SURFACE MOUNTED LED STRIP LIGHT	\$ HD	FIRE ALARM HEAT DETECTOR ON CEILING, U.O.N.
1	SURFACE MOUNTED LED STRIP LIGHT WITH EMERGENCY BATTERY BACKUP	\$ HD A	FIRE ALARM HEAT DETECTOR IN ATTIC U.O.N.
1	POST TOP MOUNTED LIGHTING FIXTURE	\$ DD	FIRE ALARM DUCT DETECTOR IN HVAC DUCT
1	WALL MOUNTED LIGHTING FIXTURE	\$ DR	FIRE ALARM DOOR RELEASE
1	WALL MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	\$ CR	FIRE ALARM ADDRESSABLE CONTROL RELAY MODULE
1	CEILING MOUNTED LIGHTING FIXTURE	\$ CS	FIRE ALARM ADDRESSABLE INPUT/OUTPUT MODULE
1	CEILING MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	\$ AM	FIRE ALARM INDIVIDUAL ADDRESSABLE MODULE
1	RECESSED LIGHTING FIXTURE	\$ SM	FIRE ALARM SYNC MODULE
1	RECESSED FIXTURE WITH EMERGENCY BATTERY BACKUP	\$ F	FIRE ALARM MANUAL PULL STATION @ +48" TO TOP OF BOX, U.O.N.
1	SURFACE MOUNTED ROUND LIGHTING FIXTURE	\$ WF	FIRE ALARM WATERFLOW DETECTION SWITCH
1	SURFACE MOUNTED ROUND LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	\$ WT	FIRE ALARM ADDRESSABLE WATERFLOW / TAMPER SWITCH MODULE
1	ILLUMINATED EXIT SIGN MOUNTED ON CEILING	\$ TS	FIRE ALARM TAMPER SWITCH
1	ILLUMINATED EXIT SIGN MOUNTED ON WALL	\$ V	FIRE ALARM VSUAL ALARM UNIT (WALL @ +80" MINIMUM, U.O.N.)
1	LOW LEVEL PHOTO LUMINESCENT EXIT SIGN MOUNTED ON WALL	\$ V	FIRE ALARM VSUAL ALARM UNIT (CEILING)
1	POLE MOUNTED EXTERIOR LIGHTING FIXTURE	\$ AV	FIRE ALARM HORN/STROBE ALARM UNIT (WALL @ +80" MINIMUM, U.O.N.)
1		\$ AV	FIRE ALARM VSUAL ALARM UNIT (CEILING)
2/2	COMBINATION VOICE AND DATA OUTLET IN WALL, WITH TWO 'D' CABLES TO IDF + TWO 'T' CABLES TO TELEPHONE BACKBOARD (1) (6)	\$ H	INTERIOR FIRE ALARM HORN (WALL @ +10'-0", 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	EXTERIOR FIRE ALARM HORN (EXTERIOR WALL)
TV	TELEVISION OUTLET IN WALL @ +18", U.O.N. (1)	\$ SV	VOICE EVACUATION SPEAKER/STROBE ALARM UNIT (WALL @ +80" MINIMUM, U.O.N.)
M	MICROPHONE OUTLET IN WALL @ +18", U.O.N. (1)	\$ SV	VOICE EVACUATION SPEAKER/STROBE ALARM UNIT (CEILING)
S	SPEAKER OUTLET IN WALL @ +18", U.O.N. (1)	\$ S	EXTERIOR VOICE EVACUATION SPEAKER (EXTERIOR WALL)
IC	INTERCOMMUNICATIONS HANDSET ON WALL @ +48" TO TOP OF BOX U.O.N.	\$ Y	FIRE ALARM CIRCUIT END OF LINE RESISTOR
WAP	WIRELESS ACCESS POINT LOCATION, PROVIDE TWO TYPE 'D' CABLES TO IDF OR MDF		

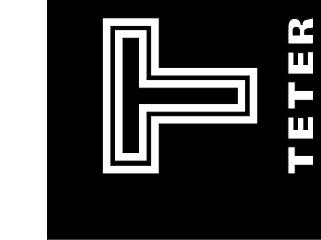
ELECTRICAL SYMBOLS NOTES:

- RUN 1" CONCEALED IN WALL AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING, U.O.N. (5)
 - RUN 1" TO NEAREST WALL, THEN RESE 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" CONC. ABOVE. (6)
 - SYSTEM IS ROUGH IN ONLY, PROVIDE BACKBOX, BLANK COVERPLATE AND CONDUIT STUB PER DETAIL PLANS.
 - IN ADDITION TO CONDUITS SHOWN ON PLANS, STUB ONE 1 1/4", ONE 1", AND TWO 3/4" (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.
- IN ADDITION TO CONDUITS SHOWN ON PLANS, STUB ONE 1" AND TWO 3/4" (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.
- 4S BACKBOX WITH SINGLE GANG TRIM AND COVERPLATE.

N.T.S. 4

PRE-ENGINEERED RELOCATABLE

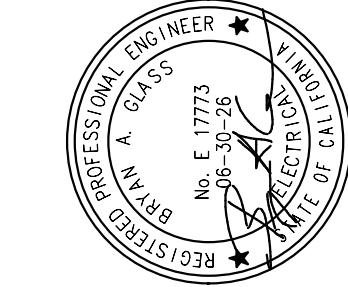
BUILDING AND ASSOCIATED SITE WORK
JOHN C. FREMONT ELEMENTARY SCHOOL
MERCED, CA



TETER, INC.

FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

DRAWING TITLE
ELECTRICAL SCHEDULES, LEGENDS, AND NOTES



MARK	DATE	DESCRIPTION
A	06/02/25	BID DOCUMENTS

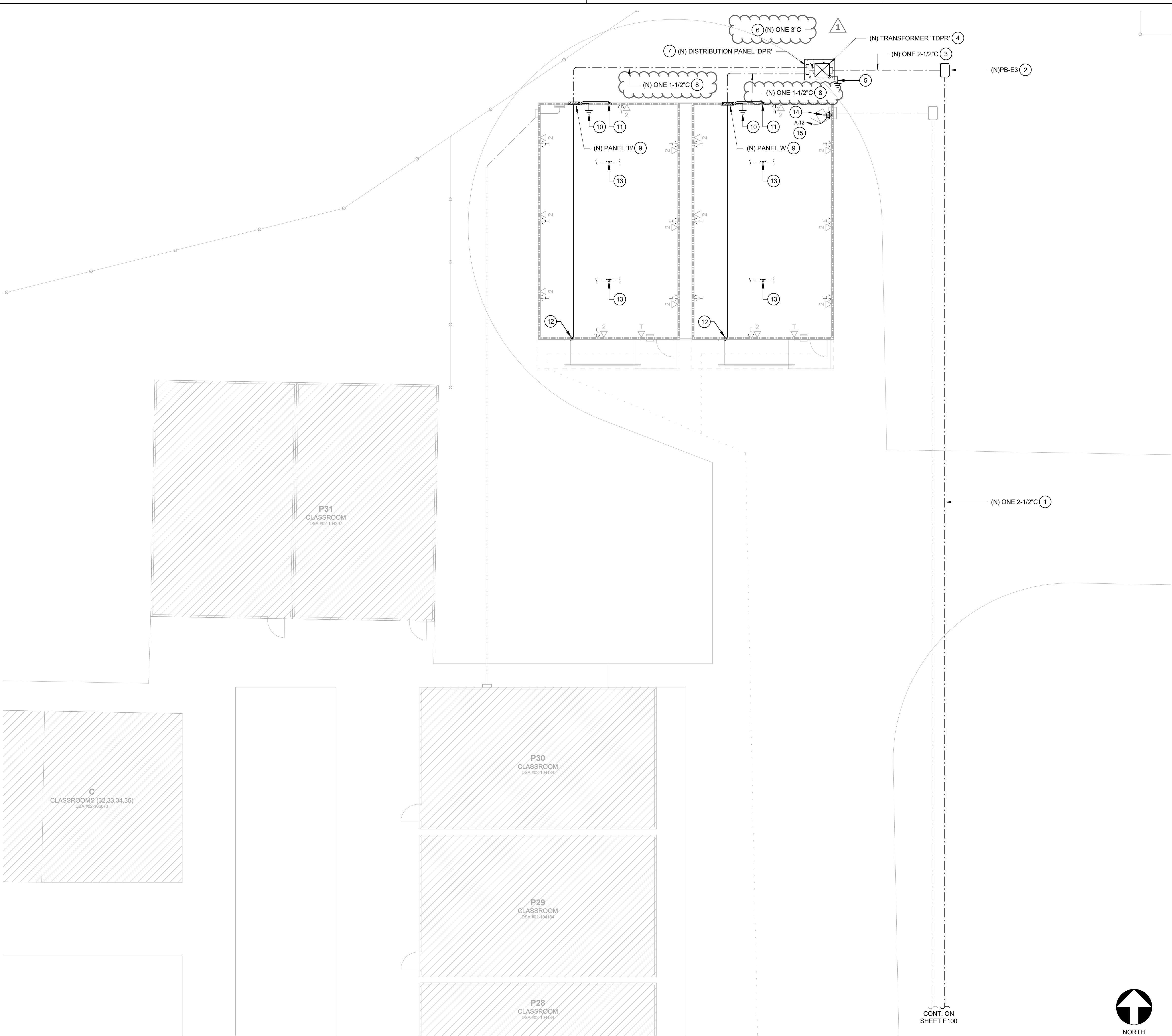
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1	6/13/25	ADDENDUM 01		
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PROJECT NO.
25-13266

DRAWING

E800



KEYNOTES

- 1 PROVIDE ONE (N) 2-1/2" CU THWN + 1#4 CU GND FROM (E) MAIN SWITCHBOARD 'MSB' PER ELECTRICAL SITE PLAN 1/E100, AND SINGLE LINE DIAGRAM 1/E700.
- 2 PROVIDE (N) ELECTRICAL PULL BOX PER DETAIL 2/E600.
- 3 PROVIDE ONE 2-1/2" CU THWN + 1#4 CU GND.
- 4 PROVIDE (N) TRANSFORMER 'TDPR' WITH PRIMARY ENCLOSED CIRCUIT BREAKER PER DETAIL 3/E600, SINGLE LINE DIAGRAM 1/E700, AND TRANSFORMER SCHEDULE 15/E800.
- 5 PROVIDE TRANSFORMER GROUNDING ELECTRODE SYSTEM PER DETAIL 4/E600.
- 6 PROVIDE ONE (N) 3" CU WITH 4#350KCMIL CU THWN + 1#2 CU GND (SSBJ).
- 7 PROVIDE (N) DISTRIBUTION PANEL 'DPR' PER DETAIL 5/E600, PANEL SCHEDULE 15/E600, AND SINGLE LINE DIAGRAM 1/E700.
- 8 PROVIDE ONE (N) 1-1/2" CU THWN + 1#6 CU GND.
- 9 CONNECT PANEL AT (N) RELOCATABLE BUILDING PER SINGLE LINE DIAGRAM 1/E700.
- 10 PROVIDE SYSTEM GROUND FACILITIES PER DETAILS 6/E600 & 7/E600.
- 11 PROVIDE GROUNDING LUGS ON BOTH SIDES OF RIGID METAL BEAMS AND BOND RELOCATABLE BUILDING SECTIONS TOGETHER WITH 1#6 CU GND.
- 12 PROVIDE GROUNDING LUG AND BOND METAL HANDRAIL WITH 1#6 CU GND.
- 13 RECONNECT (E) POWER AND LIGHTING BRANCH CIRCUIT CONNECTIONS BETWEEN BUILDING SECTIONS.
- 14 PROVIDE DEDICATED QUADRAPLEX RECEPTACLE AT (N) IDF CABINET. VERIFY EXACT HEIGHT AND LOCATION WITH OWNER.
- 15 PROVIDE (N) 20A, 1-POLE CIRCUIT BREAKER AT PANEL 'A' - CIRCUIT #12, AND CONNECT BRANCH CIRCUIT FOR (N) RECEPTACLE AT (N) IDF CABINET.

GENERAL NOTES

- A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.
- B. TRENCH AND BACKFILL PER ARCHITECTURAL PLANS, SPECIFICATIONS, AND DETAIL 1/E600. SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 24" BELOW FINAL GRADE TO TOP OF CONDUIT.
- C. 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.
- D. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

DONN B. CHENOWETH ELEMENTARY SCHOOL
TEMP. INSTALLATION OF
STOCKPIL CLASSROOM BLDG.
MERCED CITY SCHOOL DISTRICT, MERCED, CA

PROJECT NO.

25-13267

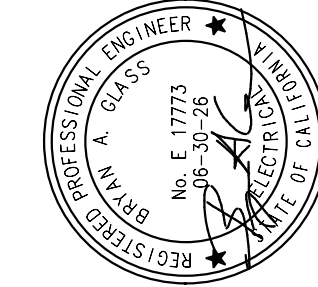
DRAWING

E200

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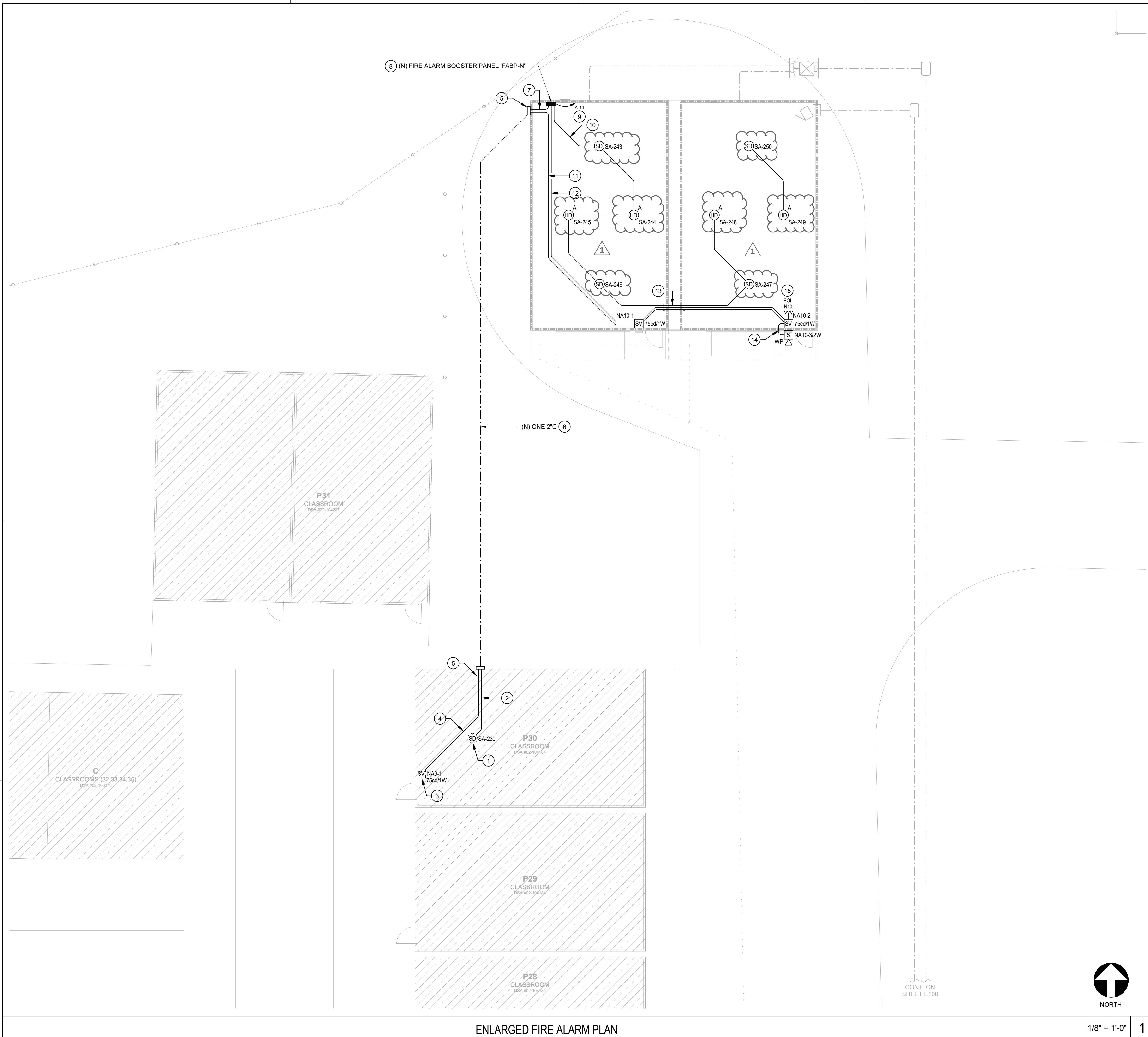
ENLARGED POWER PLAN

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KEYNOTES

- PICK UP (E) FIRE ALARM SIGNALING LINE CIRCUIT AT (E) FIRE ALARM ADDRESSABLE INITIATION DEVICE, AND EXTEND TO (N) FIRE ALARM BOOSTER PANEL 'FABP-N' AT (N) RELOCATABLE CLASSROOM BUILDING.
- PROVIDE ONE (N) 'FA' CABLE. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600.
- DISCONNECT (E) FIRE ALARM SPEAKER CIRCUIT AT (E) AUDIO/VISUAL NOTIFICATION APPLIANCE, EXTEND (N) RELOCATABLE CLASSROOM BUILDING, AND THEN LOOP BACK TO (E) AUDIO/VISUAL NOTIFICATION APPLIANCE AT (E) RELOCATABLE CLASSROOM, AND RECONNECT SPEAKER CIRCUIT.
- PROVIDE TWO (N) 'FS' CABLES. RUN IN (E) CONDUIT IN WALL, AND ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600.
- PROVIDE (N) 18"SQ. X 6" DEEP NEMA 3R SCREW COVER CAN HIGH ON EXTERIOR BUILDING WALL, WITH ONE 2" CONDUIT SLEEVE INTO ACCESSIBLE ATTIC SPACE. VERIFY EXACT LOCATION WITH OWNER AT SITE.
- PROVIDE ONE (N) 2"C WITH ONE 'FAS' CABLE, AND TWO 'FSS' CABLES.
- PROVIDE ONE (N) 'FA' CABLE. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600, AND IN (N) CONDUIT ON WALL TO (N) FIRE ALARM BOOSTER PANEL.
- PROVIDE (N) FIRE ALARM BOOSTER PANEL 'FABP-N' AND CONNECT TO (E) FIRE ALARM SIGNALING LINE CIRCUIT PER FIRE ALARM RISER DIAGRAM 2/E710. PROVIDE (N) 1-1/4"C ON WALL FROM PANEL TO ACCESSIBLE ATTIC SPACE FOR ROUTING OF (N) FIRE ALARM CABLES.
- PROVIDE (N) 20A, 1-POLE, CIRCUIT BREAKER AT PANEL 'A' - CIRCUIT #11 AND CONNECT TO DEDICATED 120V BRANCH CIRCUIT AT WITH 1/2"C - 2#12 CU THWN + 1#12 CU GND. REFER TO FIRE ALARM RISER DIAGRAM 2/E710 FOR BRANCH CIRCUIT REQUIREMENTS.
- PROVIDE ONE (N) 'FA' CABLE. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600. TYPICAL TO (N) ADDRESSABLE INITIATION DEVICES.
- PROVIDE TWO (N) 'FS' CABLES. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600, AND IN (E) CONDUIT IN WALL. TYPICAL TO (N) AUDIO/VISUAL, AND AUDIO NOTIFICATION APPLIANCES.
- PROVIDE ONE (N) 'FV' CABLE. RUN ON J-HOOKS IN ACCESSIBLE ATTIC SPACE PER DETAIL 11/E600, AND IN (E) CONDUIT IN WALL. TYPICAL TO (N) AUDIO/VISUAL NOTIFICATION APPLIANCES.
- PROVIDE (N) 2" CONDUIT SLEEVE BETWEEN BUILDING ATTIC SPACES PER DETAIL 12/E600.
- TWO (N) 'FS' CABLES. RUN IN (E) CONDUIT IN WALL. SPEAKER CIRCUIT SHALL RETURN TO (E) UPSTREAM AUDIO/VISUAL NOTIFICATION APPLIANCE AT (E) RELOCATABLE CLASSROOM BUILDING.
- PROVIDE (N) 'END-OF-LINE' RESISTOR FOR (N) VISUAL NOTIFICATION APPLIANCE CIRCUIT, AT LAST VISUAL DEVICE ON CIRCUIT.

FIRE ALARM SYSTEM INSTALLATION NOTES

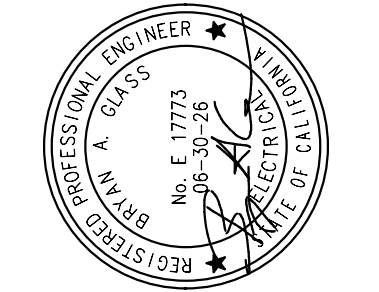
- THE LOCATION OF AUTOMATIC DETECTORS, MANUAL PULL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY, AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
- ALL DRAWINGS ARE DIAGRAMMATIC ONLY, AND SHALL NOT BE USED IN DETERMINING ACTUAL CONDUIT ROUTING. THE CONTRACTOR SHALL VERIFY ALL CONDUIT ROUTING CONDITIONS AT THE PROJECT SITE AS CONSTRUCTION PROGRESSES.
- ALL FIRE ALARM DATA, COMMUNICATIONS AND INITIATING CIRCUITS SHALL BE INSTALLED UTILIZING SOLID COPPER CONDUCTORS WITH OUTER COVERING COLORS PER THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS. ALL SMOKE DAMPER AND REMOTE TROUBLE INDICATOR CIRCUITS SHALL BE YELLOW. ALL CIRCUITS SHALL BE INDIVIDUALLY LABELED, BOTH AT THE DEVICE END AND AT THE SIGNAL TERMINAL CABINET AND/OR FIRE ALARM MASTER PANEL TERMINATION POINT.
- ALL FIRE ALARM CIRCUITS SHALL BE CONTINUOUS FROM DEVICE TO DEVICE. SPLICES ARE NOT ALLOWED UNLESS IN COVERED JUNCTION BOXES ON APPROVED TERMINAL BLOCKS. 'T' TAPPING IS ALLOWED ONLY IN INITIATION LOOPS CONNECTING ADDRESSABLE DEVICES AND ONLY UNDER THESE CONDITIONS. UNDER NO CIRCUMSTANCES SHALL 'T' TAPPING BE PERMITTED BETWEEN CONVENTIONAL DEVICES.
- SMOKE DETECTORS SHALL BE INSTALLED AWAY FROM AIR SUPPLY GRILLES AT A MINIMUM DISTANCE OF 3' PER NFPA 72 29.8.3.4 OR GREATER AS RECOMMENDED BY THE MANUFACTURER.
- CONTRACTOR SHALL SYNCHRONIZE TWO OR MORE STROBES IN ONE ROOM AND TWO OR MORE SPEAKERS WITHIN HEARING OF EACH OTHER.
- THE FIRE ALARM SYSTEM SHALL CONFORM TO THE 2022 CALIFORNIA ELECTRICAL CODE (CEC) ARTICLE 760 AND THE 2022 CALIFORNIA FIRE CODE (CFC) § 105.7 & § 907, AND CALIFORNIA BUILDING CODE (CBC) 907.

GENERAL NOTES

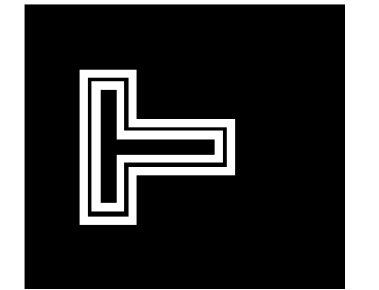
- TRENCH AND BACKFILL PER ARCHITECTURAL PLANS, SPECIFICATIONS, AND DETAIL 1/E600. SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 24" BELOW FINAL GRADE TO TOP OF CONDUIT.
- SPECIAL PRECAUTION SHALL BE TAKEN WHEN TRENCHING TO LOCATE, PROTECT AND PRESERVE EXISTING UNDERGROUND UTILITIES. ANY DAMAGE CAUSED DURING THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED.
- PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

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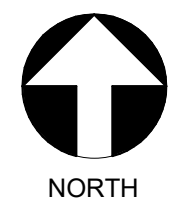
DONN B. CHENOWETH ELEMENTARY SCHOOL
TEMP. INSTALLATION OF
STOCKPIL CLASSROOM BLDG.
MERCED CITY SCHOOL DISTRICT, MERCED, CA
DRAWING TITLE
ENLARGED FIRE ALARM PLAN

PROJECT NO.

25-13267

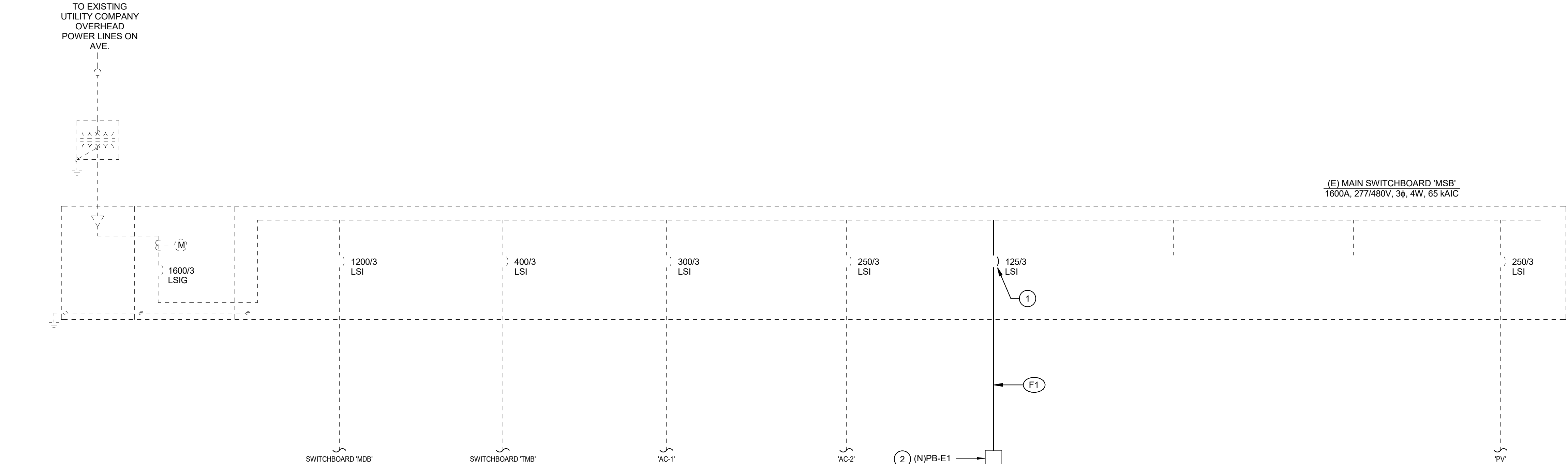
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1/8" = 1'-0"

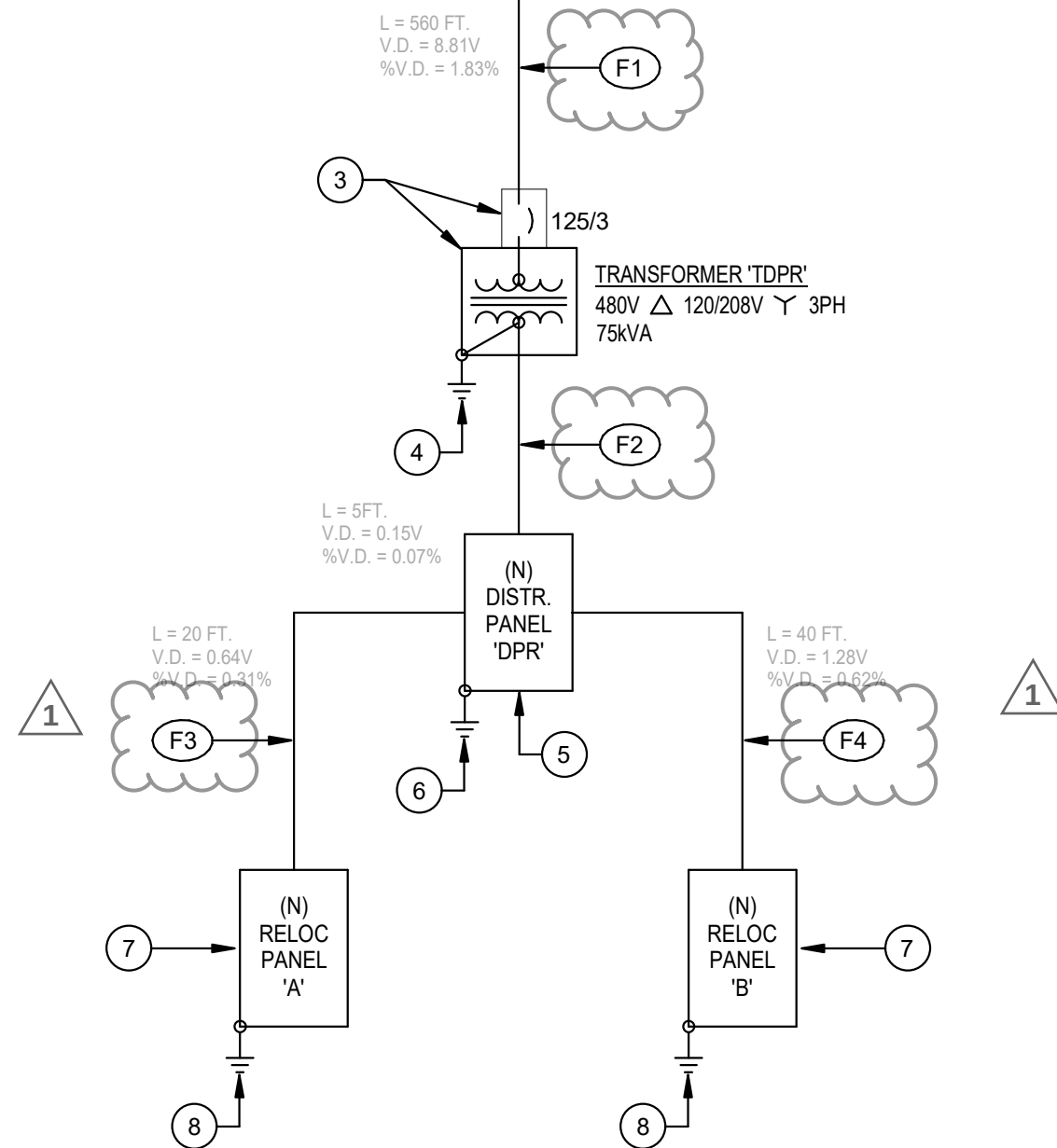
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FEEDER SCHEDULE						
FEEDER	ORIGIN	DESTINATION	CONDUIT	CONDUCTORS	CALCULATED VOLTAGE DROP	REMARKS
F1	MAIN SWITCHBOARD 'MSB'	PULL BOX #PB-E1	ONE 2-1/2" C	3#2/0 CU THWN + 1#4 CU GND	1.83%	FEEDER (UP-SIZED FOR VOLTAGE DROP)
F2	TRANSFORMER 'TDPR'	DISTRIBUTION PANEL 'DPR'	ONE 3" C	4#350 KCML CU THWN + 1#2 CU GND (SSBJ)	0.06%	FEEDER WITH SUPPLY SIDE BONDING JUMPER
F3	DISTRIBUTION PANEL 'DPR'	PANEL 'A'	ONE 1-1/2" C	3#2 CU THWN + 1#6 CU GND	0.31%	FEEDER
F4	DISTRIBUTION PANEL 'DPR'	PANEL 'B'	ONE 1-1/2" C	3#2 CU THWN + 1#6 CU GND	0.62%	FEEDER

KEYNOTES

- PROVIDE ONE (N) 125A, 3-POLE, CIRCUIT BREAKER AT EXISTING MAIN SWITCHBOARD 'MSB', AND CONNECT (N) FEEDER.
- (N) ELECTRICAL PULL BOX PER DETAIL 2/E600.
- (N) WEATHERPROOF TRANSFORMER 'TDPR' WITH 125A, 3-POLE, NEMA 3R PRIMARY ENCLOSED CIRCUIT BREAKER PER DETAIL 3/E600 AND TRANSFORMER SCHEDULE 15/E800.
- GROUND PER TRANSFORMER GROUNDING ELECTRODE SYSTEM DETAIL 4/E600.
- (N) DISTRIBUTION PANEL 'DPR' PER DETAIL 5/E600 AND PANEL SCHEDULE 15/E600.
- GROUND PER TRANSFORMER GROUNDING ELECTRODE SYSTEM DETAIL 4/E600.
- CONNECT PANEL AT (N) RELOCATABLE CLASSROOM BUILDING.
- PROVIDE GROUNDING ELECTRODE SYSTEM AT (N) RELOCATABLE CLASSROOM BUILDING PER DETAILS 6/E600 AND 7/E600.



SINGLE LINE DIAGRAM

N.T.S.

1

DONN B. CHENOWETH ELEMENTARY SCHOOL
TEMP. INSTALLATION OF
STOCKPIL CLASSROOM BLDG.
MERCED CITY SCHOOL DISTRICT, MERCED, CA

DRAWING TITLE
SINGLE LINE DIAGRAM

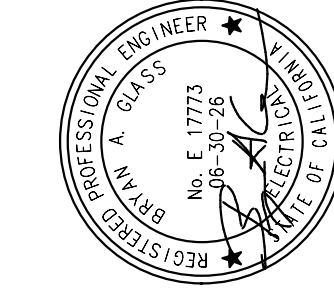
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25-13267

DRAWING

E700

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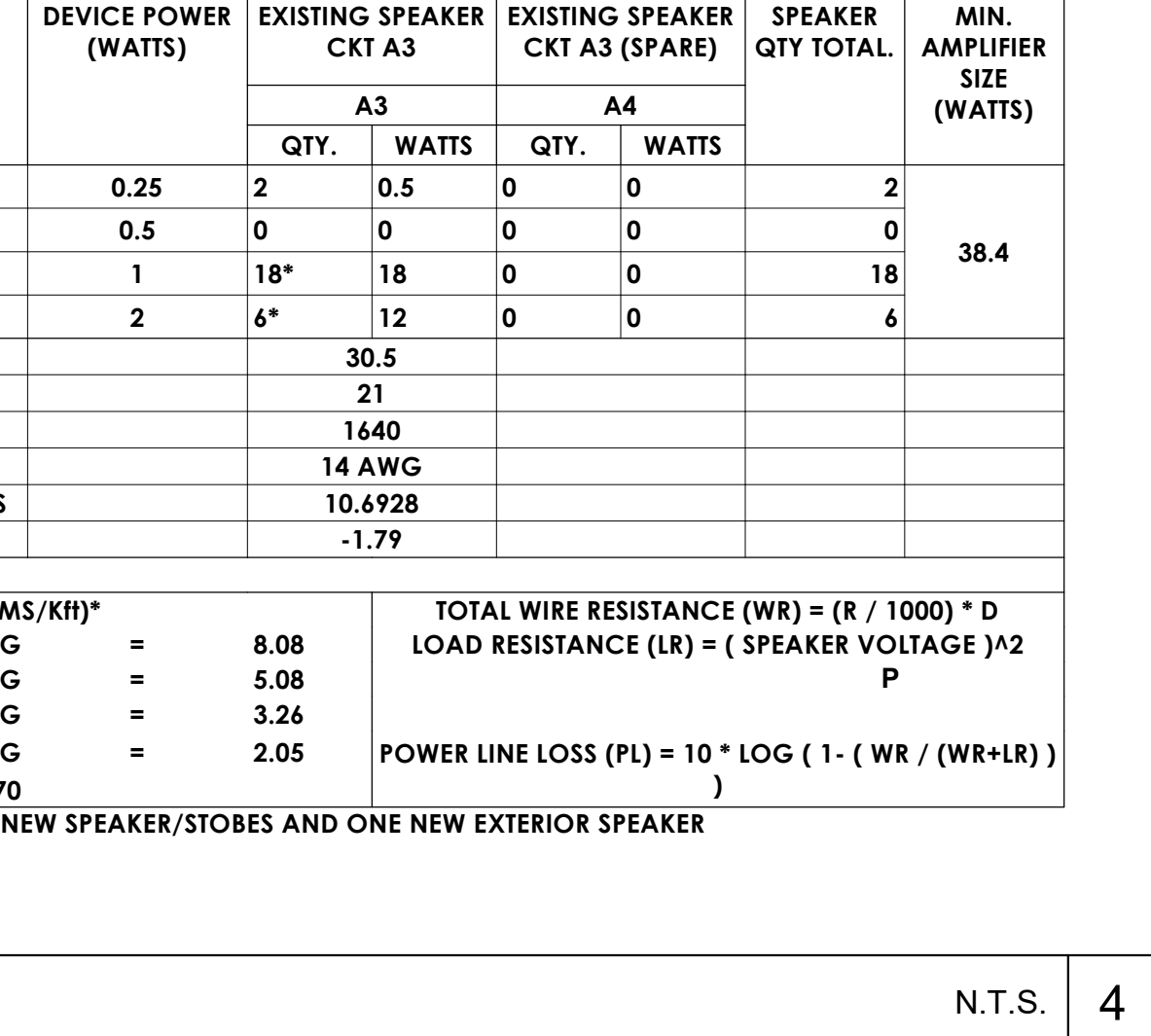
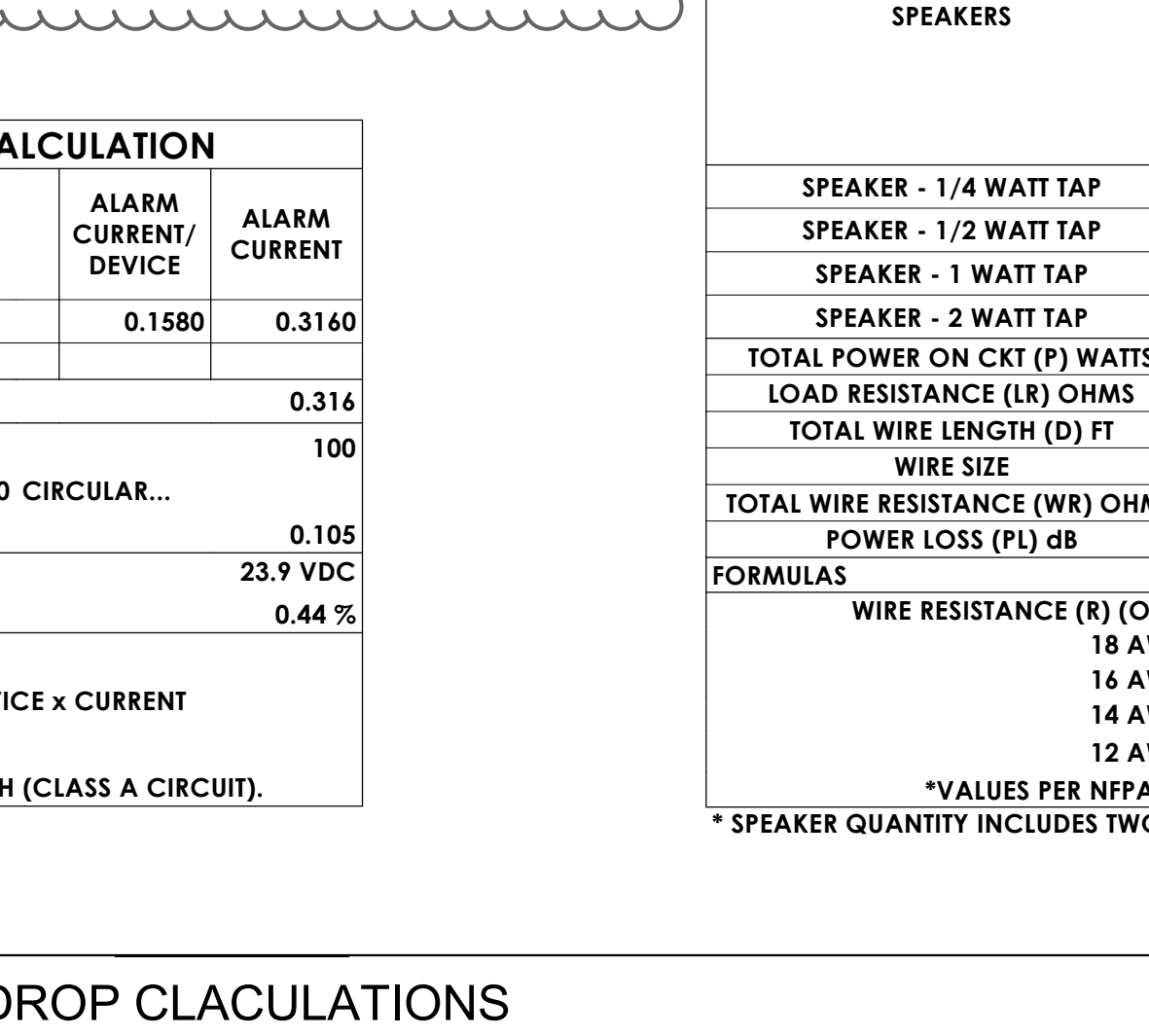
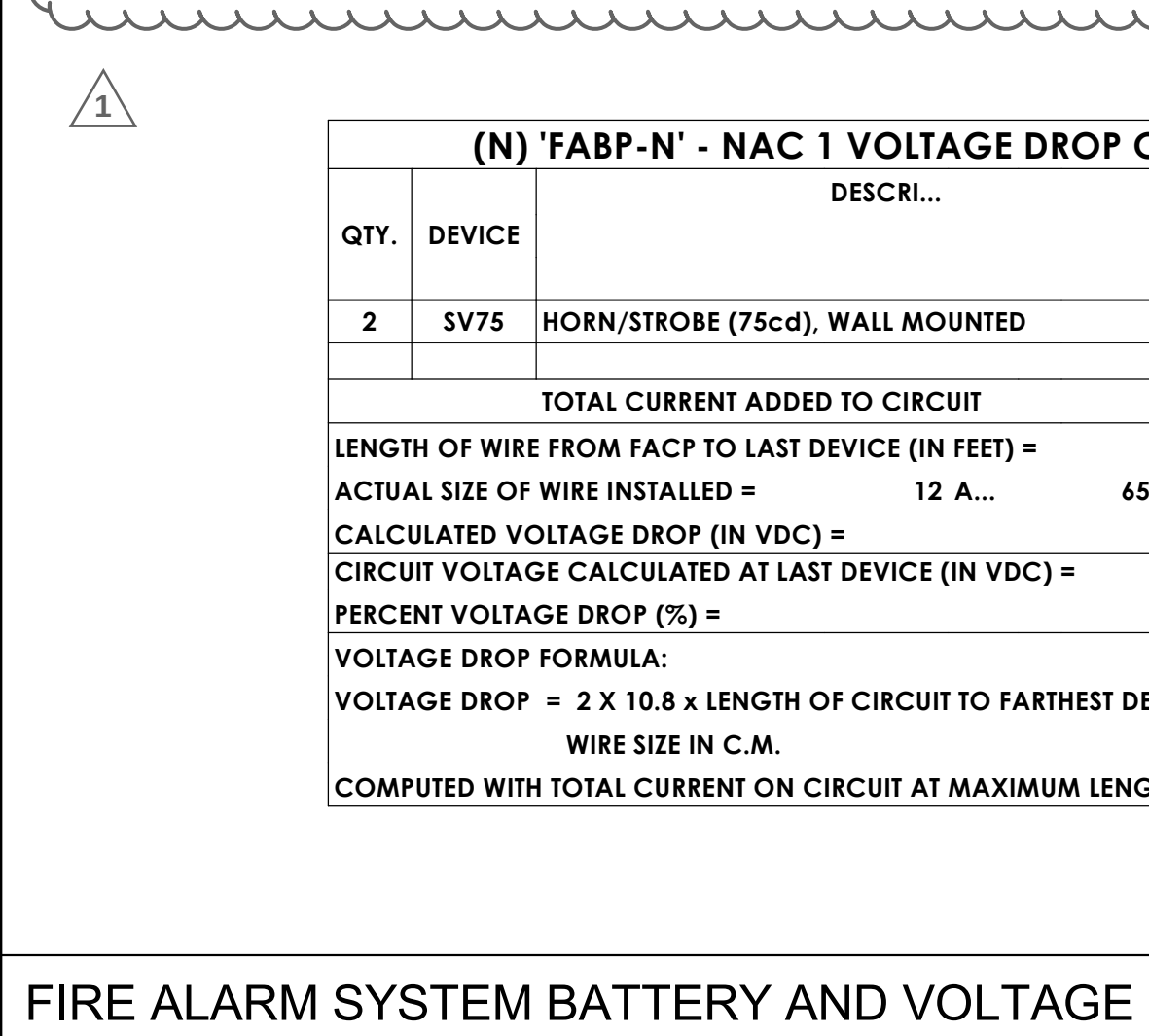
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1	6/13/25	ADDENDUM 01

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FIRE ALARM SYSTEM		
DEVICE	ACTIVATE EVACUATION SIGNALS/STROBES	SHUTDOWN FIRE/SN DAMPER, OR ACTIV SMOKE VENT RELE
FIRE ALARM PANEL SYSTEM TROUBLE		
SMOKE DETECTOR	×	
HEAT DETECTOR	×	

OPERATIONAL MATRIX			
COKE DATE CASE	SHUTDOWN HVAC EQUIPMENT	ANNUNCIATE AT BUILDING FACD AND ALL REMOTE ANNUNCIATORS	SEND SIGNAL TO CENTRAL STATION
		X	X
		X	X
		X	X



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 DETAIL ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 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, MOVEABLE 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 110/220 VOLT RECEPTACLES HAVING 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 HAVE 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 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 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 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.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), AND ELECTRICAL DISTRIBUTION SYSTEMS (E): MP ☐ MD ☐ PP ☐ E ☒ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS MP ☐ MD ☐ PP ☐ E ☐ OPTION 2: SHALL COMPLY WITH HCAI (OSHPD) PREAPPROVAL (OPM#) _____, AS INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS.	
GENERAL NOTES N.T.S. 12	

PROJECT NO.

25-13267

DRAWING

E800

DRAWING TITLE

ELECTRICAL SCHEDULES, LEGENDS, AND NOTES

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