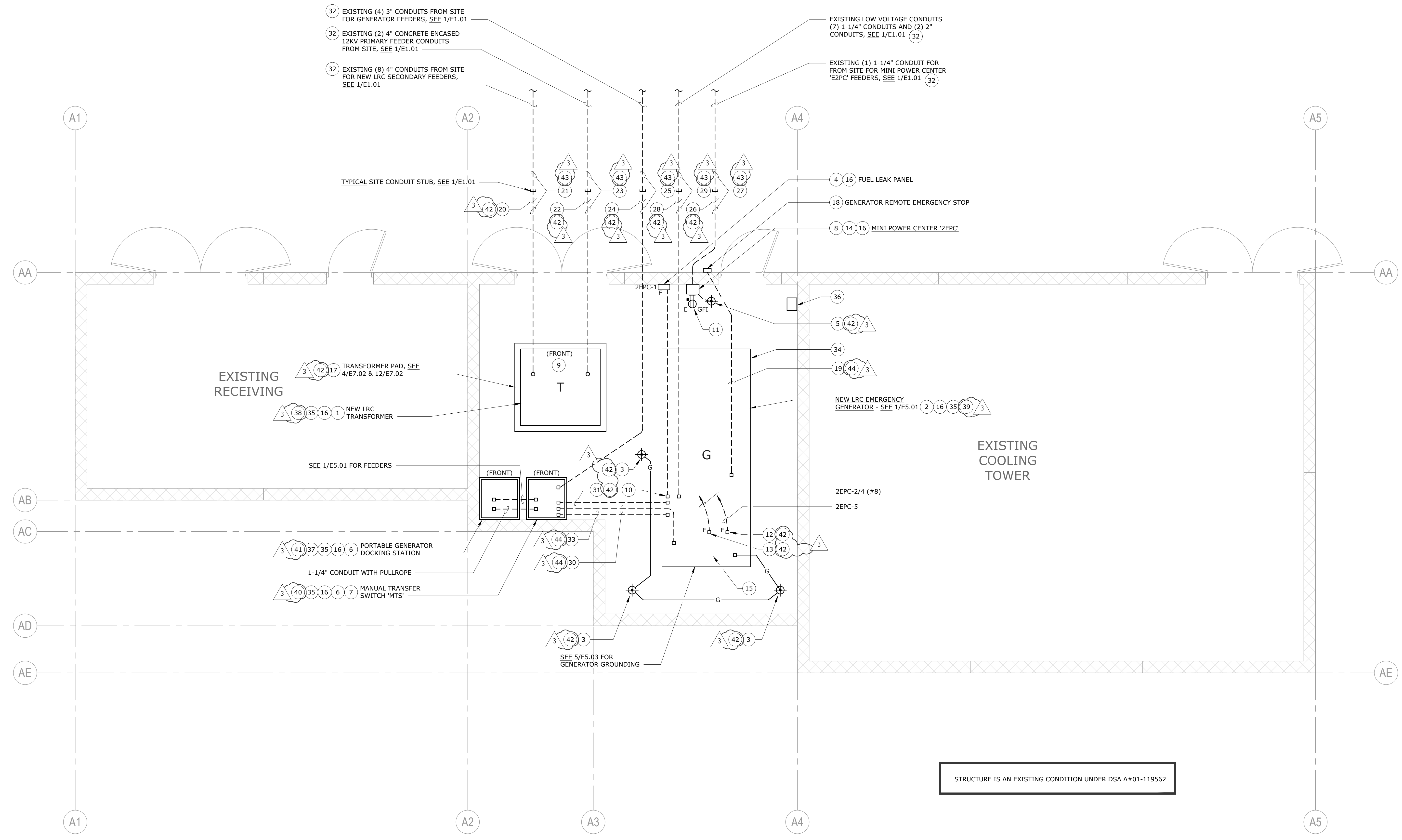


- ### NUMBERED SHEET NOTES
- 38 BID ADD ALTERNATE #1: PROVIDE AND INSTALL NEW 12KV PADMOUNT TRANSFORMER.
 - 39 BID ADD ALTERNATE #1: PROVIDE AND INSTALL NEW EMERGENCY GENERATOR, INCLUDING PADS AND MOUNTING (PER DETAILS 68/67.02). SEE 1/E5.01.
 - 40 BID ADD ALTERNATE #1: PROVIDE AND INSTALL NEW MANUAL TRANSFER SWITCH 'MTS', SEE 1/E5.01.
 - 41 BID ADD ALTERNATE #1: PROVIDE AND INSTALL NEW PORTABLE GENERATOR DOCKING STATION, SEE 1/E5.01.
 - 42 THIS IS BID ADD ALTERNATE #1 SCOPE.
 - 43 BASE BID SCOPE.
 - 44 UNDERGROUND CONDUIT IS BID ADD ALTERNATE #1 SCOPE. WIRING IS BASE BID SCOPE.

- ### NUMBERED SHEET NOTES
- 23 PROVIDE AND INSTALL TWO SETS OF 12KV PRIMARY LOOP FEEDERS FROM NEW PAD MOUNT TRANSFORMER IN EXISTING AND NEW CONDUITS TO NEW MANHOLE 'MH8', SEE 1/E1.01 AND 1/E5.01.
 - 24 INTERCEPT EXISTING SITE CONDUIT STUBS FOR NEW LRC EMERGENCY FEEDERS AND PROVIDE AND INSTALL NEW EMERGENCY FEEDERS FROM SITE STUB-OUTS TO THE MANUAL TRANSFER SWITCH. SEE 1/E5.01.
 - 25 PROVIDE AND INSTALL NEW EMERGENCY FEEDERS FROM MANUAL TRANSFER SWITCH TO NEW LRC EMERGENCY DISTRIBUTION PANEL 'EDHA' IN EXISTING AND NEW CONDUITS, SEE 1/E1.01 AND 1/E5.01.
 - 26 INTERCEPT EXISTING SITE CONDUIT STUB FOR NEW EMERGENCY FEEDERS TO MINI POWER CENTER '2EPC', AND PROVIDE AND INSTALL NEW CONDUIT FROM SITE STUB-OUT TO '2EPC', SEE 1/E5.01.
 - 27 PROVIDE AND INSTALL NEW FEEDERS IN EXISTING AND NEW CONDUITS FROM NEW LRC EMERGENCY PANEL 'EHA', SEE 1/E0.1 AND 1/E5.01.
 - 28 INTERCEPT EXISTING SITE LOW VOLTAGE CONDUIT STUBS FOR NEW LRC WIRING TO NEW EMERGENCY GENERATOR AND PROVIDE AND INSTALL (2) 2" CONDUITS (SPARES) AND (7) 1-1/4" CONDUITS TO THE NEW LRC EMERGENCY GENERATOR. THE (7) 1-1/4" CONDUITS TO BE USED FOR CONTROLS AND MONITORING, SEE NOTE 29 STUB THE TWO SPARE 2" CONDUITS UP IN GENERATOR ENCLOSURE.
 - 29 PROVIDE AND INSTALL THE FOLLOWING IN NEW AND EXISTING SITE CONDUITS:
 - CONTROL WIRING TO 'ATS1' IN 1-1/4" C. SEE 4/E5.03 & 1/E5.01 (WIRING FROM GENERATOR AND NUTS)
 - CONTROL WIRING TO 'ATS2' IN 1-1/4" C. SEE 4/E5.03 & 1/E5.01 (WIRING FROM GENERATOR AND NUTS)
 - CONTROL WIRING TO FIRE PUMP ATS IN 1-1/4" C. SEE 4/E5.03 & 1/E5.01 (WIRING FROM GENERATOR AND NUTS)
 - CONTROL WIRING TO GENERATOR REMOTE ANNUNCIATOR #1 IN EMERGENCY POWER ROOM IN 1-1/4" C. SEE 4/E5.03 & 1/E5.01
 - CONTROL WIRING TO GENERATOR REMOTE ANNUNCIATOR #2 IN STAFF AREA IN 1-1/4" C. SEE 4/E5.03 & 1/E5.01
 - FIRE ALARM WIRING TO GENERATOR AND FUEL TANK MONITORING IN 1-1/4" C. SEE FIRE ALARM DRAWINGS.
 - BUILDING MANAGEMENT SYSTEM MONITORING WIRING IN 1-1/4" C. SEE MECHANICAL DRAWINGS.
 - 30 PROVIDE AND INSTALL GENERATOR FEEDERS FROM GENERATOR TO MANUAL TRANSFER SWITCH, SEE 1/E5.01.
 - 31 PROVIDE AND INSTALL (2) 1-1/4" CONDUITS WITH PULL ROPES FROM MTS TO GENERATOR FOR CONTROLS/MONITORING USE.
 - 32 EXISTING UNDERGROUND CONDUITS WITH PULLROPS TO STUB-OUTS INSTALLED AS PART OF THE NEW CENTRAL UTILITY PLANT PROJECT.
 - 33 PROVIDE AND INSTALL 1-1/4" CONDUIT WITH CONTROL WIRING BETWEEN GENERATOR AND 'MTS' PER NOTE 2, 4/E5.03. ALSO INCLUDE WIRING FROM MTS TO 'ATS1' PER NOTE 1, 4/E5.03.
 - 34 WITHIN 21 DAYS OF AWARD OF CONTRACT PROVIDE GENERATOR SHOP DRAWINGS FOR REVIEW AND APPROVAL.
 - 35 PROVIDE ENGRAVED PLACARD 12" X 12" SCREW MOUNTED ONTO EQUIPMENT EXTERIOR TO READ "LRC EQUIPMENT".
 - 36 PROVIDE ABC TYPE FIRE EXTINGUISHER IN WALL MOUNTED WEATHERPROOF ENCLOSURE.
 - 37 SEE 1/E5.01, PROVIDE AND INSTALL PORTABLE GENERATOR DOCKING STATION FOR NEW LRC. THIS IS A BID ADD ALTERNATE #1, SEE NOTE 41.

- ### NUMBERED SHEET NOTES
- 1 PROVIDE AND INSTALL NEW LRC 12KV PAD MOUNT TRANSFORMER UNIT SUB STATION 'A', SEE 1/E5.01. THIS IS A BID ADD ALTERNATE #1, SEE NOTE 38.
 - 2 PROVIDE AND INSTALL NEW LRC EMERGENCY GENERATOR, SEE 1/E5.01, SEE 6/E7.02 AND 7/E7.02 FOR HOUSEKEEPING PAD. THIS IS A BID ADD ALTERNATE #1, SEE NOTE 39.
 - 3 PROVIDE AND INSTALL GENERATOR GROUND RODS, SEE 1/E5.01, 5/E5.03, AND 10/E7.01.
 - 4 PROVIDE AND INSTALL GENERATOR FUEL LEAK PANEL, SEE 5/E7.02.
 - 5 PROVIDE AND INSTALL GROUND ROD FOR MINI POWER CENTER TRANSFORMER, SEE 10/E7.01.
 - 6 PROVIDE AND INSTALL EQUIPMENT PAD, SEE 12/E7.01. THIS IS A BID ADD ALTERNATE #1 ITEM 3 (ALTERNATE #1 ITEM, SEE NOTE 40).
 - 7 PROVIDE AND INSTALL MANUAL TRANSFER SWITCH 'MTS' FOR NEW LRC, SEE 1/E5.01. THIS IS A BID ADD ALTERNATE #1 ITEM, SEE NOTE 40.
 - 8 PROVIDE AND INSTALL NEW WALL MOUNTED NEMA 3R MINI POWER CENTER '2EPC', SEE 1/E5.01.
 - 9 CENTER TRANSFORMER ON GATE SO THAT THERE IS 8 FEET WORKING CLEARANCE IN FRONT OF THE TRANSFORMER WHEN THE DOUBLE-GATE IS OPEN.
 - 10 RUPTURE BASIN ALARM, PROVIDE AND INSTALL (5) #14 IN 3/4" CONDUIT TO FUEL LEAK PANEL, CONNECT COMPLETE; SEE 5/E7.02. VERIFY REQUIREMENTS WITH GENERATOR MANUFACTURER PRIOR TO ROUGH-IN.
 - 11 PROVIDE AND INSTALL EMERGENCY RECEPTACLE, MOUNT ON SIDE OF MINI POWER CENTER.
 - 12 FOR GENERATOR BATTERY CHARGER, CONNECT COMPLETE. VERIFY REQUIREMENTS WITH GENERATOR MANUFACTURER PRIOR TO ROUGH-IN.
 - 13 FOR GENERATOR JACKET HEATER, CONNECT COMPLETE. VERIFY REQUIREMENTS WITH GENERATOR MANUFACTURER PRIOR TO ROUGH-IN.
 - 14 INSTALL ENGRAVED PLACARD ON EXTERIOR COVER OF MINI POWER CENTER, TO READ "MINI POWER CENTER CONNECTED TO LRC. NOT CONNECTED TO CENTRAL UTILITY PLANT PANELS."
 - 15 VERIFY LOCATION OF ALL CONDUIT STUB-UP WINDOWS AT GENERATOR WITH MANUFACTURER PRIOR TO ROUGH-IN, TYPICAL.
 - 16 INSTALL EQUIPMENT IN EXISTING CUP EQUIPMENT YARD.
 - 17 PROVIDE AND INSTALL TRANSFORMER PAD.
 - 18 PROVIDE AND INSTALL REMOTE EMERGENCY GENERATOR STOP STATION, SEE 4/E5.03. EMERGENCY STOP MUST BE OUTSIDE OF GENERATOR AREA. SEE 4/E5.03 FOR SIGNAGE REQUIREMENTS.
 - 19 SEE 4/E5.03 FOR WIRING REQUIREMENTS.
 - 20 INTERCEPT EXISTING SITE CONDUIT STUBS FOR NEW LRC SECONDARY FEEDERS AND PROVIDE AND INSTALL NEW SECONDARY CONDUITS FROM STUB-OUTS TO NEW LRC PAD MOUNT TRANSFORMER, SEE 1/E5.01.
 - 21 PROVIDE AND INSTALL NEW SECONDARY FEEDERS FROM NEW PAD MOUNT TRANSFORMER IN EXISTING AND NEW UNDERGROUND CONDUITS TO NEW LRC MAIN SWITCHBOARD, SEE 1/E1.01 AND 1/E5.01.
 - 22 SEE 1/E5.01, INTERCEPT EXISTING SITE CONDUIT STUBS FOR NEW LRC 12KV PRIMARY FEEDERS, AND PROVIDE AND INSTALL NEW PRIMARY CONCRETE ENCASED CONDUITS FROM SITE STUB-OUTS TO NEW LRC PAD MOUNT TRANSFORMER.



GENERATOR & TRANSFORMER AREA PARTIAL PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

STRUCTURE IS AN EXISTING CONDITION UNDER DSA A#01-119562

FIRE EXTINGUISHERS REQUIRED IN AREAS WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE STORED, USED OR DISPENSED. CBC 906.1 (3)

EMERGENCY POWER SYSTEMS AND STANDBY POWER SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE, THE CALIFORNIA ELECTRIC CODE, NFPA 110 AND NFPA 111. (CFC 1203.1.3) GENERATOR MUST BE UL LISTED - CHECK INSTALLATION INSTRUCTIONS FOR SPECIFIC CLEARANCES. SEE CBC 442 FOR SEPARATION REQUIREMENTS AND NFPA 37.

NOLL & TAM
ARCHITECTS

729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

CAVAGNERO
MARK CAVAGNERO ASSOCIATES ARCHITECTS
1045 Serrano Street, Suite 200
San Francisco, California 94111
www.cavagnero.com

SEAL

OMAHONY & MYER
REGISTERED PROFESSIONAL ENGINEERS
4540 BIDWOOD HWY, SUITE 245
SAN RAMON, CALIFORNIA 94583
(415) 492-0262 / FAX (415) 479-9602
www.comconconsulting.com

PROJECT TITLE

**Peralta Community College District
Laney Library & Learning Resource Center
(Building 100 Replacement)**

900 Fallon Street, Oakland, CA 94607

ISSUE FOR BID

ISSUE DATE	3/31/23
WAT JOB NUMBER	21942
REVISIONS	
DATE	DESCRIPTION
05/16/2024	ADDENDUM NO. 03

DRAWN BY: _____ CHECKED BY: _____
SHEET TITLE: **PARTIAL PLAN - ELECTRICAL**

SHEET NUMBER: **E4.02**