

GROSSMONT UNION HIGH SCHOOL DISTRICT

MMHS SCIENCE BUILDING MODERNIZATION MULTI-PRIME

**ATTACHMENT E
BID PACKAGE**

CN-4073

**ELECTRICAL / LOW
VOLTAGE / AUDIO VISUAL**

TRADE CONTRACTOR SPECIFIC PROVISIONS
BID PACKAGE: CN-4073
ELECTRICAL / LOW VOLTAGE / AUDIO VISUAL –
VERSION 01

ELECTRICAL & LOW VOLTAGE & AUDIO VISUAL – VERSION 01

The following clarifies certain inclusions, exclusions, and other information. This list is not inclusive of all work and is not limiting in any manner. This Exhibit shall supplement all General and Special Conditions in this Contract unless specifically noted herein to supersede them. This exhibit shall supersede all other conditions in the Contract and Contract Documents in the event of specific conflicts between the Documents.

I. GENERAL REQUIREMENTS: The following General Requirements apply to all work included in this Contract:

1. Full compliance and scope coverage with Specification Section(s)

- DIVISION 00 – In its entirety
- DIVISION 01 – In its entirety
- 07 84 13 – Penetration Firestopping
- 07 92 00 – Joint Sealants
- 08 31 13 – Access Doors and Frames (For this Prime Only)
- DIVISION 26 – In its entirety
- DIVISION 27 – In its entirety
- DIVISION 28 – In its entirety

Full compliance and scope coverage with all other Project Scope and Specification Sections that interface with and require Electrical services unless modified or excluded by this Exhibit.

2. Prime Contractor shall have a current California Contractor's License Classification as listed on the Notice to Bidders and shall keep same current through-out the duration of the project. License required for this scope is C-10.
3. Schedule of shop drawings, submittals, and dimension verifications: The following groups of shop drawings and submittals are not all-inclusive and are supplemental to requirements found elsewhere in the documents. These submittals shall be delivered to the Project Manager not later than the below listed dates:

a. ALL Contractual Submittals

Due: 20 Calendar Days after Notice to Proceed

These due dates take precedence over other dates found elsewhere in the Contract Documents.

4. Prepare any coordination drawings required to show the interface between work provided by this Contract and others. This includes but is not limited to:
- a. Electric Room Layout Drawings
 - b. Below Grade Coordination Drawings

c. Above Ceiling Coordination Drawings

5. Attend the overhead coordination meetings hosted by the CM.
6. Procurement of Critical Long Lead Items: Prime Contractor shall be responsible to ensure that the critical long lead items are delivered as required to comply with the requirements and intent of the master building schedule.
6. Schedule: Prime Contractor shall issue to the Construction Manager a detailed Construction Schedule for this trade's work as it pertains to this Project. The work shall proceed in accordance with the Master Construction Schedule (Attachment F) issued with the Construction Documents. This schedule shall be modified from time to time in order to properly coordinate and sequence the work; however, the Prime Contractor is responsible to supply sufficient manpower, equipment and material necessary to ensure the duration of time established for the Prime Contractor's work is maintained as per the Construction Documents. This is a tight schedule constrained by the 2025 school year, the District will be moving into the building at the start of the fall 2025 semester. Weekend work and overtime will be required on this project. Please review the construction schedule and include weekend work and overtime hours as needed to keep up with the schedule.
7. Prime Contractor has reviewed the Attachment J – As-Builts and is aware of existing conditions.
8. Prime Contractor has included the costs for offsite storage of project materials including all switchgear and light fixtures for the duration of the project.
9. Provide flagmen as required. It is understood that the work will take place within an operating Campus and that the Prime Contractor is solely responsible to protect the public and maintain uninterrupted access to the campus by the general public. Provide all barricades, etc. to achieve this. Perform work during off-hours as required to avoid disruption of campus operations.
10. Prime Contractor will be responsible for collateral damage to areas or finishes not scheduled for demolition as a result of his operations.
11. It is understood that the Trade Contractor Specific Provisions contained in the contract documents are a material element of this Contract and scope of work. It is specifically noted that the Prime Contractor shall be responsible for all requirements and clauses contained in the Trade Contractor Specific Provisions.
12. It is understood that the Project Specific Provisions contained in the Contract Documents are a material element of this Contract and scope of work. It is specifically noted that the Prime Contractor shall be responsible for all requirements and clauses contained in the Project Specific Provisions.

13. Building Dimension Verification: Prime Contractor shall issue a plan and/or letter to the Construction Manager in the form of a submittal that locates and verifies exact dimensions for the following items:
- a. Locations and sizes of formed concrete housekeeping pads.
 - b. Size confirmation of interior rooms in each location where electrical equipment and panels will be installed; stating that the area, configuration of walls, placement and swing of doors, and dimensions designed are adequate and will meet codes.

Due: 20 Working Days after Notice to Proceed

14. Perform all coring and/or sleeving (as required by actual project requirements) for all contract work. If required, include proper types of steel sleeves at penetrations. Prime Contractor includes X-ray or pachometer investigation before coring into concrete.
15. Provide Fire, Smoke, Sound and/or Architectural caulking and sealants at all electrical penetrations as required by the Contract Documents. The intent of this general inclusion is for each Prime Trade Contractor to be responsible for their own penetrations as it relates to their scope of work. Include sound pads at J-boxes and similar penetrations if required by the Project's specifications.
16. Contractor shall maintain and record as-built information of his work in a current condition. The Contractor shall transfer all as-built information onto the record set of drawings located at the Construction Manager's Field Office. All transferred information shall be neat, legible and in accordance with the guidelines set forth in the contract documents. Failure to provide as-built information in a timely manner will result in progress payments being withheld.
17. This contractor acknowledges and includes the cost for all required off-hour, overtime and weekend work schedules as required to perform the work included in this contract and coordinate this contract work with all other related trades. This contractor shall provide manpower and shift schedules (in advance of the actual work being performed) to the Construction Manager so that it can be analyzed against the Project's schedule requirements.
18. Prime Contractor is required to properly staff the Project to maintain the Project's schedule and to ensure proper sequencing with other prime Contractors as required by the Construction Manager.
19. Prime Contractor is responsible to provide all layout for its work from survey control points and lines, including all building corners, grid lines, offsets, elevations, etc.
20. Provide all necessary protection for new work and adjacent finishes from Prime Contract work operations. Include steel plates, plywood, plastic and masking protection as required. Prime Contractor is responsible to

maintain/repair/replace any temporary barricades that are moved or damaged by its work. Prime Contractor is responsible to protect all existing structures/MEPs/benchmarks/miscellaneous items as required by the Contract Documents during this Prime Contractor's work.

21. Prime Contractor acknowledges that space for storing materials within the worksite is limited. All delivery and storage of materials shall be scheduled and coordinated with the Construction Manager prior to shipping. Prime Contractor is responsible to assure that stocking of building materials does not overload the building structure or unreasonably impede the work of other trades. Prime Contractor shall promptly relocate stored and stockpiled materials when directed by Prime Contractor.
22. Prime Contractor is responsible to promptly remove from the project all surplus material and debris associated with its work.
23. Prime Contractor is responsible for scheduling and coordinating all deliveries required for this scope of work with the Construction Manager and other Prime Contractors. Prime Contractor to provide adequate flagmen, street closures, sidewalk closures, permits, traffic control, etc. for deliveries, transporting on site, pick-ups as required by the project schedule, specifications, job conditions and governing agencies within the jobsite limits.
24. Prime Contractor shall adhere to OSHA safety standards while on the project site and shall engage their designated safety professional to make periodic jobsite walks for safety compliance. Any noted issues or concerns shall be reported to Construction Manager's Superintendent at the time of visit. Prime Contractor is responsible to maintain/repair/replace any temporary barricades.
25. The general site wide storm water pollution prevention plan (SWPPP) will be prepared and implemented by others. Subcontractor shall assume full responsibility to replace any broken sandbags or any other SWPPP type materials damaged by this Subcontractor during the course of this Subcontractors work.
26. Prime Contractor acknowledges that parking space within the project boundaries is extremely limited. The only trucks in immediate use (Loading/Offloading, welding rigs, rigging, etc.) will be allowed to stage near work areas. Worker parking will be designated by the Construction Manager. Penalties for failure to comply with this requirement are the responsibility of the individual vehicle owner.
27. In the event of conflicts not clarified prior to bidding deadline, Prime Contractor shall assume the most stringent, higher quality and greater quantity of work for bidding purposes. If Prime Contractor still requires clarification after awarded the project, Prime Contractor shall generate an RFI. If appropriate, a deductive change order shall be issued if the clarification results in a reduced scope.

28. Prime Contractor shall furnish and install all mock-ups required by specifications found within this Prime Contractor's scope.
29. Prime Contractor shall include provisions to comply with all delegated-design submittal requirements found within their respective specification sections.
30. Furnish and install all necessary angles, clamps, hangers, channels, Unistrut, supports, wires, cables, threaded rod, misc. steel, isolation devices, seismic anchorage, slack wires, backing, etc.; for all electrical work, equipment, misc. items and light fixtures included in this Contract. All work shall comply with applicable codes and Contract Document requirements.
31. Prime Contractor shall protect the roofing membrane and/or waterproof deck coating systems with temporary plywood protection during the installation of the electrical work in such areas.
32. If applicable, furnish and install proper support under conduits and similar items that run horizontally on the roof membrane.
33. The locations, configuration, sizes and height of roof penetrations shall be fully compatible with the type of roof system and manufacturer's warranty. The Roofing Prime Contractor shall approve all such items prior to installation. The design, proper sequence and installation of jacks/flashings shall be coordinated with the installation of the roofing system. The height of all penetrations shall be a minimum of 8" above the highest point of the finished roof surface. Overall dimensions must be based on the thickness of the insulating concrete fill system, rigid insulation, etc., as applicable.
34. Install labeled pull ropes in all spare or empty conduits and conduit systems that are installed under this Contract to be used by other Trades.
35. All fixtures, equipment and work including installation shall fully comply with current handicap codes (even if contrary to the Contract Documents and submittal approvals by the Engineer). This Prime Contractor shall request specific written direction from the Construction Manager before proceeding with any work that is non-compliant.
36. Furnish and coordinate all electrical fixture/equipment templates for cutouts in cabinetry and all other building components, as applicable.
37. Include all excavation and backfill work as required for systems included in this Contract. All excavation, bedding materials, backfill and compaction shall be pursuant to requirements of specifications, drawings, and this Contract. All areas of excavation shall be returned to existing grades prior to completion of work. Include handwork/grading around conduits, vaults, etc. Haul-off from the site all spoils generated by the work included in this Contract. Any import shall be DTSC approved. Prime Contractor includes lay-out for saw-cut and demo limits for coordination with Demo Prime Contractor. Concrete Prime Contractor shall cover

necessary fine grading for new hardscape. Prime Contractor includes all slurry required in underground trenches, per the Contract Documents.

38. All light fixture lenses shall be protected by plastic wrapping during the construction period. Remove the plastic wrapping at the completion of the project or as directed by the Construction Manager. Prime Contractor shall also perform the final cleaning of all equipment, light fixtures and fixture lenses at a time as directed by Construction Manager.
39. Perform all specified labeling, stenciling, tagging and identification of all equipment, conduit systems, devices, fixtures, etc., which are included in this Contract.
40. Furnish and install all access doors required for electrical work. The proper type and finish of architectural access doors shall be provided. The type and finish may or may not be specifically listed in the plumbing and/or architectural specification sections. Coordinate all openings with the respective Prime contractors (i.e. framing, acoustic ceiling, etc.) The Framing Contractor shall provide the openings in the framing systems. Prime Contractor understands that the intent is to use one manufacturer for all exposed interior access doors.
41. Provide, erect and dismantle all ladders and scaffolding required to perform work. Provide all required rigging and hoisting necessary to perform this scope of work. All lifts and material handling required to perform this scope of work shall be provided by the Electrical contractor.
42. Prime Contractor shall maintain and record as-built information of his work in a current condition. The Prime Contractor shall transfer all as-built information onto the record set of drawings located at the Construction Manager's Field Office. All transferred information shall be neat, legible and in accordance with the guidelines set forth in the contract documents. Failure to provide as-built information in a timely manner will result in progress payments being withheld.
43. All Prime Contractors are responsible for covering of roof openings for a weather tight system prior to rain and rain clean-up.
44. Prime Contractor understands that parking will not be permitted within the limits of work, staff parking, student parking or public parking spaces on campus, unless specifically allowed in the Contract Documents or agreed upon by the District. Prime Contractor acknowledges that food trucks are prohibited from entry to the construction limits of work and Mount Miguel High School campus. This General Requirement supersedes parking provisions outlined elsewhere in the Contract Documents.
45. Daily clean-up of all debris related to the Work of this Bid Package Contractor is required. All debris generated by this Bid Package Contractor shall be legally removed daily and disposed of offsite by this Bid Package. All Bid Package Contractors, while on site, will provide a clean-up laborer to be included in the weekly clean-up effort for the duration of the project. For bidding purposes, Prime Contractor shall provide a 2 hours of clean-up labor for 33 total weeks.

II. ELECTRICAL INCLUSIONS: The following items are specifically included in the scope of this Contract:

1. Disconnecting of electrical components, safe-off, and similar preparation for demolition per plans and specifications. All items to remain and be demolished are to be clearly labeled and tagged. All items to be demolished to be disconnected from any power supply and ready for removal by demolition contractor. Safe off needs to be completed per the project schedule as to not delay the demo contractor.
2. All electrical work within the building and site including but not limited to: Electrical Power, Lighting, Communication Systems, Cable Trays, Audio Visual Systems, Clock Systems, Intrusion System, Video Surveillance Security, Fire detection and alarm and all other electrical systems as required by the Contract Documents.
3. Furnish and install all primary, secondary and emergency site underground conduits. Include all items necessary for a complete electrical power service entrance for the designed P.O.C. Coordinate all work and requirements with the serving utilities.
4. Feed existing underground conduit banks with new feeders, cables, LV wiring, etc. per plans, specifications, and ES103. Include provisions for reconnecting of all wiring/feeders/cables at each end, ensuring proper operation of systems per plans and specifications. Any interruptions to the schools electrical or communications services (Shutdowns) will need to be scheduled 72 hours in advance and will need to be completed over a weekend or school break.
5. Furnish and install a complete fire alarm system, including, but not limited to, conduit, wire, devices, control panels, etc. Coordinate work with HVAC contractor.
6. Furnish/install all pre-cast concrete pull/splice boxes, transformer pad/slab boxes, frames, covers, plates, grating, manhole covers/frames, grounding devices, and all other accessories required by the Contract Documents and utility company.
7. Furnish and install all exterior lighting, site lighting and parking lot lights/poles, conduits, circuiting, etc. Furnish light pole anchorage bolts with a separate bolt template (for each location) to the Concrete Subcontractor for placement. Fully coordinate the locations and placement requirements with the Concrete Subcontractor. Install grout under light pole base plates as required.
8. Furnish and install the Telecommunication/IDF cabinets/racks as noted on the Contract Documents. Anchor per the structural details and notes.
9. Furnish and install all electrical grounding systems as required for systems and services that are included in this Contract's scope of work and in the Project's scope of work. Additionally, the Electrical Contractor shall fully coordinate the Building's primary grounding system with all appropriate Trades if this system is connected to/or an integral part of the Project's concrete foundations.

10. Furnish and install plywood backboards for all Electrical/Signal/Communication and similar systems that are shown and required by the Contract Documents. Backboards shall be fire retardant plywood unless otherwise noted. Install plywood backerboard per 4/E-302.
11. The Electrical Contractor shall fully coordinate with the Mechanical Contractor(s) with regards to the HVAC energy management/ temperature control systems. The Electrical Contractor has reviewed all the Contract Documents and acknowledges that each specific trade's responsibility to furnish and install each of the specified/ shown components, conduit systems, equipment items and low/line voltage wiring are clearly defined between the Electrical & Mechanical/HVAC Trades so that all items required by the Contract Documents are installed.
12. Include all electrical rough-in, conduit, conductors, line/low-voltage, and final connections to equipment items / work included in this Contract and that which is supplied others. This includes but is not limited to mechanical units, fume hood, washer, dryer, refrigerator, hand dryers, fire alarm system, controls system, dishwasher, clock speakers, security cameras, etc..
13. Include all electrical and low voltage receptacles such as duplex outlets, quads, GFIs, data ports, and similar.
14. Furnish, install, relocate and maintain temporary construction power within the building areas and site. Provide a sufficient quantity of power distribution boxes so that no portion of the site is more than 100' from a power outlet. Electrical Contractor shall furnish all "spider" boxes, cords, connectors, etc. for a complete system. A minimum of four (4) spider boxes should be provided throughout the building and as required for power by other trades.
15. Furnish, install, relocate and maintain all temporary construction light strings and light fixtures throughout the project as required by the Construction Manager. Light levels in all interior areas will be meet minimum OSHA requirements. Furnish and replace all light bulbs/lamps as required throughout the construction period.
16. Furnish/install power (line/low voltage as applicable), circuiting, wiring and all connections to electrified hardware and related components that are listed in the finish hardware specification section and/or as otherwise required by the Contract Documents. Coordinate all rough-in locations with the Hardware Contractors.
17. Full coordination of electrical items with office furniture, shelving, and other building elements. Furnish and install flexible "whips" to all modular furniture/equipment. Closely review, coordinate and install electrical devices to allow proper access etc. as required.
18. Furnish/install electrical rough-in and final connections for all electrical items that are within casework and millwork elements.
19. Furnish and install all electrically illuminated and/or self-illuminated exit signage and "low level" exit signage as required by the Contract Documents.

20. Include removal, repair, re-routing and re-installation of existing electrical work/services that is required by Contract Documents and that which can be reasonably anticipated to be necessary for proper interface with the new work, existing facilities and construction phasing requirements.
20. T-bar ceiling wires for light fixtures will be provided by others with layout provided by Electrical Contractor. Electrical Contractor will furnish and install for an additional 5% of all light fixture T-bar/wires to replace those existing ceiling wires lost during construction. Electrical Contractor will be responsible for all trapeze and other installation methods where overhead obstructions prohibit/limit the use of ceiling wires. All others above ceiling supports for electrical work will be by the Electrical Contractor.
21. All conduits located below the slab on grade shall be located below sub-grade and not in the sand/gravel base.
21. Prime Contractor shall provide temporary power to the Construction Manager's trailer for the full duration of the project located, per Attachment G – Logistics Plan. Connect to nearest power source. Power usage costs will be by the District. Disconnect the power to the Construction Manager's trailer at the completion of the project. Coordinate with the Construction Manager. Prime Contractor shall assume the CM Trailer will have (2) 100 AMP electrical panels requiring service. Prime Contractor shall walk and investigate this location at the mandatory pre-bid job-walk on 12/3/2024.
22. Prime Contractor includes electrical safe-off and demolition coordination of the following: Properly identify and make safe all existing electrical services as required to facilitate the demolition (including a mark-out job-walk) and/or retrofit work within the scope of the Project. Clearly identify all equipment and fixtures scheduled to be demolished for removal by the demolition contractor. Lay out the extents of the demolition. If there is equipment or fixtures that should have been demolished and were not properly identified by the electrical Prime Contractor but are remaining after demolition, this Prime Contractor will be responsible for having them removed. If there are fixtures or equipment scheduled to remain but not properly identified by this Prime Contractor prior to demolition, this Prime Contractor will be required to buy the replacement equipment. Prime Contractor shall include re-cutting, re-grinding and any other required preparation of point of connections where existing equipment/material was removed by the demolition Prime Contractor. Prime Contractor shall account for and participate in on-site job-walks at the beginning of the project specifically for coordinating demolition/safe-off.
23. Provide temporary power and temporary low voltage systems as required to keep occupied portions of the campus operational during construction. Occupied portions of the campus include but are not limited to: buildings, storage units, parking lots (lighting), electrical rooms, IDF rooms, sport facilities, etc. It is Prime Contractor's means and methods to maintain power and low-voltage systems throughout the duration of the project. The maintenance of power and low-voltage may not be specifically detailed or noted on the plans.

24. Provide electrical connection to all Owner Furnished and Contractor Furnished equipment.
25. Provide temporary generators if required during shutdowns to keep occupied portions of the campus completely operational. Prime Contractor shall assume all power shutdowns will be performed outside normal school operating hours (6:30am – 4:00pm) with the understanding that sporting events can take place in adjacent buildings/facilities until 10pm, Monday-through-Friday. Power/data shutdowns will be expected to be coordinated with the school/District a minimum of two weeks in advance to ensure the school and site is prepared for the event.
26. Include all sway bracing and supports for pendant lights.
27. Provide all assisted listening devices.
28. Provide all supports for speakers, audio visual equipment, etc. at all locations.
29. Prime Contractor shall perform the required short-circuit, arc-flash and coordination studies as required by the Contract Documents. If Prime Contractor installs electrical equipment prior to the Engineer of Record reviewing and approving the above-mentioned studies, Prime Contractor shall modify/fix any of the electrical equipment that the Electrical Engineer notes as requiring modification/fixes, at no additional cost to the District. This study may require site investigations, include any investigations needed to perform a complete study.
30. Include complete audio-visual systems.
31. Prime Contractor shall fully coordinate with the Mechanical Prime Contractor with regards to the smoke/fire dampers and duct/mechanical equipment smoke detection systems. The Electrical Prime Contractors shall provide all work related to the fire alarm system. This specifically includes but is not limited to:
 - Duct detectors shall be provided by the electrical contractor, installed into the duct by the mechanical contractor and wired by the electrical contractor.
 - Fire Smoke Dampers shall be provided and installed by the mechanical contractor. All line-voltage, low voltage, transformers and signal/alarm wiring and connections shall be made by the electrical subcontractor. This specifically includes all low voltage and step-down transformers required for a complete system.
 - Variable Frequency Drives shall be furnished and installed by the mechanical contractor. All line voltage to and from the VFD, and all Fire Alarm connections shall be by the electrical subcontractor. Electrical contractor provides final connections/landing.
32. Prime Contractor includes re-programming the fire alarm and intrusion detection systems of Buildings 300 prior to demo. Prime Contractor includes a temporary

addressable FA panel, until the new addressable panel is installed, per the Contract Documents. For bidding purposes, assume the full duration of the project, from the project start and completion date shown in Attachment F - Schedule.

33. Prime Contractor includes one hundred and fifty (150) journeyman labor hours for miscellaneous work. The Construction Manager/District may authorize the use of these hours only.
34. Prime Contractor has included multiple mobilizations to achieve the requirements of the contract. For bidding purposes, include five (5) mobilizations. A mobilization is defined as removal and return of equipment and materials. A crew leaving the site is not a demobilization.
35. Prime Contractor includes all temporary lighting for all Prime Trades throughout the duration of the project and shall adhere to OSHA requirements for work area access & egress. In addition, Prime Contractor shall provide task lighting as required to complete this Prime Contractor's scope.
36. Prime contractor includes all motor starters required to start-up mechanical equipment.
37. Prime Contractor includes all trenching and backfilling for this Prime Contractor's below-grade scope. Prime Contractor shall include mark-out of slab, hardscape, asphalt area required to be removed and shall coordinate removal with Demolition Prime Contractor.
38. Prime Contractor includes provisions to comply with all suspended ceiling system requirements for Prime Contractor's finish applications installed within the ceiling grid system. Prime Contractor shall include any additional requirements found within the Interpretation of Regulations (IF) 25-2.13 if said requirement is more stringent than the requirements found within the drawings/specifications.
39. Prime Contractor includes lighting control for all rooms, regardless of any explicitly being shown in the plans. Prime Contractor shall assume industry standard and assume the controls are fed from the nearest lighting control panel.
40. Prime Contractor includes provisions to accommodate multiple commissioning/functional testing in order to achieve the project milestones and completion dates shown in the project schedule.
41. Prime Contractor shall coordinate power, low-voltage, fire alarm points of connection (POC) with other Prime Contractor's finish equipment/systems accordingly. If this Prime Contractor fails to properly coordinate final POCs with other Prime Contractors prior to completing installation and the POC is wrong and not feasible given site conditions, this Prime Contractor will be responsible for the costs to relocate the power, low-voltage or fire alarm infrastructure and any subsequent remedial work as a result of the relocation.

42. Prime Contractor includes one (1) 120V duplex receptacle and associated infrastructure for each HVAC control router, regardless of what is shown in the electrical plans. Prime Contractor shall assume power is fed from the closest spare circuit to the HVAC control router.
43. Prime Contractor shall furnish and install all hood switches, light switches, interlock relays and associated wiring & conduit for exhaust fans.
44. Prime Contractor shall provide sufficient power to all water heaters, hot water circulating pumps, instantaneous water heaters and all other equipment regardless of what is shown on the electrical plans. Prime Contractor shall review the associated specifications of said equipment to ensure sufficient power is provided.
45. Prime Contractor is responsible for any scope referenced in the plans and specifications as 'by the electrical contractor.'
46. Prime Contractor shall assume all manholes and pull-boxes are full of water/liquid and require pumping and legal dumping offsite. We understand that the water level in the existing manholes and pull-boxes are unquantifiable at the time of bid based on the unexpected amount of rainfall and frequency of water evaporation; therefore Prime Contractor includes twenty (20) journeyman labor hours for pumping vault liquid, hauling liquid and legally dumping liquid at an appropriate facility.
47. Finish Prime Contractor includes all in-wall flat-strap backing and rough carpentry Prime Contractor includes all in-wall and above ceiling structural wood-framed backing. Prime Contractor shall coordinate accordingly and layout backing where required for this Prime Contractor's scope.
48. Includes all Cord Reels per contract documents.
49. Prime Contractor includes installation of all District provided wall mounted televisions, coordinate directly with the rough carpentry prime contractor for backing requirements.
50. Prime Contractor includes fifty (50) journeyman labor hours for miscellaneous investigative work. The Construction Manager/District may authorize the use of these hours only.
51. Prime Contractor shall review interior elevations, tackboard & whiteboard shop drawings and shall coordinate with the Specialties Prime Contractor prior to commencing in-wall rough-in specifically to prevent locating wall devices, receptacles, AV plugs, etc. inside the tackboard/whiteboard surface. Failure to coordinate with the Specialties Prime Contractor will result in this Prime Contractor sharing responsibility with the Specialties Prime Contractor to remove drywall, re-route conduit, relocate wall device and patch the finish wall surfaces accordingly.
52. Prime Contractor includes provisions to execute all installation notes, anchorage notes and other miscellaneous notes on E-001 & E-002.

53. Prime Contractor includes provisions to execute all keynotes and general notes shown on/in the electrical sheets.
54. Prime Contractor shall include provisions to safe-off and set aside all existing IDF cabinets, cameras, FACPs, and any other electrical or low-voltage equipment, shown to be removed. Prime Contractor shall coordinate accordingly with Construction Manager/District for pick-up/turnover.

III. ALLOWANCES: The following allowances are included in this scope of work. Construction Manager must agree to the price, type and extent of additional scope before work is started. Field tickets must be signed by Construction Manager's Superintendent on a daily basis to account for the time, material, and equipment used from these allowances. All time, material, and equipment used from these allowances will be billed against these allowances and any portion of the original allowance amount not used will be credited back to the Owner at the end of this Contract's scope of work as a deductive change order. This Article is separate and exclusive from all other Work required by the Contract.

- CN-4073 Allowance #1: Unforeseen Electrical = \$30,000.00

II. ALTERNATES: N/A

III. EXCLUSIONS: N/A