

NEW WHEELCHAIR LIFT – 2016
TWIN OAKS ELEMENTARY SCHOOL
EUGENE SCHOOL DISTRICT 4J
Eugene, Oregon
gLAS Project No. 15028

ADDENDUM NUMBER ONE

February 12, 2016

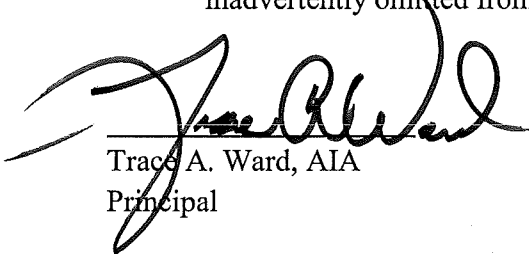
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This addendum is issued to clarify, change, and correct the Project Manual and Contract Documents and shall form a part of the Contract.

SPECIFICATIONS

1) Sections 260500 General Electrical Provisions and 260533 Basic Materials and Methods.

Insert the attached referenced electrical specification sections. They were inadvertently omitted from the project manual.



Trace A. Ward, AIA
Principal

END OF ADDENDUM NUMBER ONE

SECTION 26 05 00
GENERAL ELECTRICAL PROVISIONS

PART 1 - GENERAL

1.01 CONTRACT DOCUMENTS

- A. The Instructions to Bidders, Conditions of the Contract, and General Requirements are a part of this specification and apply to work in this Division.

1.02 WORK INCLUDED

- A. Furnish and install complete and satisfactory operating electrical systems as shown or specified.
- B. All labor, materials, equipment and services to construct and install these complete systems with the functions and provisions specified or shown.

1.03 PERMITS

- A. Secure and pay for all necessary permits beyond those outlined in the General Conditions, arrange for all required inspections, and deliver a Certificate of Final Inspection to the Owner upon completion of the work.

1.04 CODES AND STANDARDS

- A. Comply with National, State and any local electrical codes, safety orders, ordinances, applicable building codes and requirements of the serving utility.
- B. Materials and equipment shall, where rated, bear the seal of approval of the NFPA, UL and conform to applicable ANSI, NEC, NEMA, OSHA, and other recognized standards.

1.05 MATERIAL AND EQUIPMENT

- A. All material shall be new, of specified quality, and a standard product of a reputable manufacturer. All materials of a kind by one manufacturer.

1.06 SUBSTITUTIONS

- A. Equal material of other manufacturer may be used following Owner's approval of a written request submitted at least five (5) calendar days prior to bid date.

1.07 SHOP DRAWINGS

- A. Submit six (6) copies minimum in accordance with General Conditions. Submit typewritten list of manufacturer and catalog number for wiring devices and lamps. Submit manufacturer's catalog data, marked to indicate specific equipment proposed, for all other equipment items.
- B. Where specifically indicated, submit shop drawings and/or wiring diagrams. Refer to individual sections for detailed requirements.

1.08 RECORD DOCUMENTS

- A. Maintain one (1) copy of all Drawings at the site, in good order, marked to record all changes made during construction. Dimension exact location of feeders and stub-outs for future, even if no change from Drawings was made. Transfer these changes and dimensions to clean set blueprints and deliver to Engineer upon completion of work.

1.09 GUARANTEE

- A. Warranty all work, materials and equipment for one year after date of Substantial Completion or first beneficial use.

1.10 NAMEPLATES

- A. Provide engraved, laminated nameplates for identification of all equipment items, switches and breakers. Black color with white letters, except red color for main disconnects. 3/16" minimum letter height.

1.11 SAFETY

- A. Coordinate all startup and shutdowns of systems with Owner to ensure safety of occupants.

1.12 DEMOLITION

- A. Remove all existing fixtures, clocks, switches, receptacles, and other electrical equipment and devices and associated wiring from walls, ceilings, floors, and other surfaces scheduled for remodeling, relocation, or demolition unless specifically shown as retained or relocated on the drawings.
- B. Disconnect all existing equipment scheduled for removal, relocation or abandonment. Remove abandoned cables and unusable raceways. Relabel panels and motor control centers to reflect changes.
- C. Maintain electrical continuity of all existing systems. Remove or relocate electrical boxes, conduit, wiring, equipment, fixtures, etc. as may be encountered in removed or remodeled areas in the existing construction affected by this work. Wiring which serves usable existing outlets shall be removed and restored clear of the construction or demolition. If existing junction boxes will be made inaccessible, or if abandoned outlets serve as feed through boxes for other existing electrical equipment which is being retained, new conduit and wire shall be provided to bypass the abandoned outlets. If existing conduits pass through partitions or ceiling which are being removed or remodeled, new conduit and wire shall be provided to reroute clear of the construction or demolition and maintain service to the existing load.
- D. Verify exact location of existing electrical outlets and light fixtures in the field. Locations of items shown on the drawings as existing are partially based on as-built and other drawings which may contain errors. The contractor shall verify the accuracy of the information shown prior to bidding and provide such labor and material as is necessary to accomplish the intent of the contract documents.
- E. Remove all abandoned wiring and raceway per NEC to leave site clean.

END OF SECTION

SECTION 26 05 33
BASIC MATERIALS AND METHODS

PART 1 - GENERAL

1.01 RACEWAYS

- A. Run all wiring in raceways unless otherwise noted. Conceal where construction permits.

1.02 WIRE AND CABLE

- A. Existing wire may be re-used, if it conforms to this section and is in new condition without kinks or splices.

1.03 BOXES

- A. Provide boxes where required to terminate, tap off, facilitate conductor installation, or mount device.

1.04 RECEPTACLES

- A. Provide receptacles with type and rating as noted on Drawings.

PART 2 - PRODUCTS

2.01 RACEWAYS

- A. Electrical Metallic Tubing (EMT): Use concealed above grade or exposed indoors where not subject to physical damage. Fittings: Compression type or indenter type water or concrete tight where appropriate.
- B. Flexible Metal Conduit (FMC) or Liquid-Tight Flexible Metal Conduit (LFMC): Use for connection to adjustable or vibrating equipment. Provide suitable grounding means. Connectors: Malleable iron, clamp type, factory insulated throats.
- C. Connectors shall have insulated throats.

2.02 WIRE AND CABLE

- A. Copper, #12 minimum, copper, unless otherwise noted or approved.
- B. Insulation: 600 volt rated, minimum. #10 and smaller, type THHN-THWN stranded. #8 and larger, type THW stranded.
- C. Conductors shall be color coded to identify phase connections.

2.03 BOXES

- A. Size for number of entering conduits and devices installed. Sherardized or galvanized steel. Box cover and ring as required to suit wall material and devices.
- B. Indoors: Sheet metal. Outdoors: Cast steel with corrosion resistant finish.

2.04 RECEPTACLES

- A. Duplex Receptacles: Full gang size, polarized, duplex, parallel blade, U-grounding slot, specification grade, rated at 20 amperes, 125 volts (unless otherwise noted), designed for split feed service.
- B. Ground Fault Receptacles: Specification grade duplex receptacle with integral ground fault circuit interrupter. Test and reset buttons. Matching wall plate.

PART 3 - EXECUTION

3.01 RACEWAYS

- A. Support raceways in an approved manner. 1) Single runs: One or two hole straps, properly secured to structure. 2) Multiple runs: Standard framing channels and pipe clamps.

3.02 WIRE AND CABLE

- A. No splices or taps permitted in service or feeder circuits. Splices or taps in branch circuits permitted only in junction boxes.

3.03 BOXES

- A. Identify each junction box with system description and circuits installed by neat hand lettering inked on inside of cover.
- C. Secure boxes to structure or blocking or mounting on manufactured bar hangers.

3.04 RECEPTACLES

- A. Mount receptacles vertically at 15 inches (to bottom of faceplate) above finished floor, with grounding pole at bottom.
- B. Back wiring wells may be used for receptacles.

END OF SECTION