

County of Nevada
Facilities Management Division

Project Specifications



Eric Rood Administrative Center
Assessor Office Remodel

PART 1 -

SECTION 01100 - SUMMARY

PART 2 - GENERAL

2.1 SUMMARY OF WORK

- A. Project: Assessor Office Remodel
- B. Owner: County of Nevada
- C. Architect: County Facilities Department
- D. The Work consists of: Construct 2 walls to create an enclosed office. Include: Metal stud wall, light switch, insulation (for sound), drywall, paint, replace 2 light fixtures with LED and install a new solid core door. Work Not Included: The following will be provided by others:
 - 1. **The additional Fire Sprinkler will be installed by County.**

2.2 WORK RESTRICTIONS

- A. The General Contractor awarded the bid for this project will be referred to as Contractor or GC. Contractor's Use of Premises: During construction, Contractor will have **limited** use of the **building space as shown on pages 1 through 5 on the plans**. Contractor's use of premises is limited only by Owner's right to perform work or employ other contractors on portions of Project as follows:
 - 1. Owner will occupy building during construction. Perform construction during normal working hours (8 AM to 5 PM Monday thru Friday, other than holidays), unless otherwise agreed to in advance by Owner except for work requiring unreasonable noise, dust or fumes. Complete work requiring loud noise, or work producing dust or fumes after 5pm or before 8am or weekends. Clean up work areas and return to a useable condition at the end of each work period. Adjoining areas to the workspace are required to be dust free and clean at all times.
- B. **Office personnel will be working in the vicinity of the work during construction. Construct Visqueen (plastic) barriers, floor to ceiling, about 2 to 5 feet away from the new walls around the new walls to keep dust out of the office area and to create a work zone barrier.**

PART 3 - PRODUCTS

A- Door: The new interior door in the plans shall be 3' x 7' x 1-3/4", Red Oak veneer, flush door with clear factory finish. Timely metal door frame - color-Brown

B- Door Lock: Mfg. - Schlage, model # Nd50 with lever handle, commercial grade, Oil Rubbed Bronze color (#613) with C keyway.

C- Walls: The existing carpet will stay in place. Cover and tape down the edges of the existing carpet to protect from damage using heavy gauge plastic sheeting on the inside of the new office and outside the new office approximately 4 feet. Cut the carpet where the new wall will be installed so the wall track is setting directly on the concrete. Use 3-5/8 inch, 20-gauge metal studs with 1-3/8-inch flange. Track- match same size and gauge as wall studs. Anchor track to floor at 4 foot OC using 5/16-inch concrete screws. Include bracing from top of metal stud walls up into the structure above the T-bar ceiling and anchor to structural members using 20-gauge metal studs at 6ft OC in wall mid spans.

D-Insulation: Include R-13 fiberglass batt insulation inside each stud bay to limit sound transfer.

E- Drywall: Install one layer of 5/8-inch gypsum board on each side of the stud wall. Use 1-inch type S drywall screws at 8-inch center to vertical edges and top & bottom tracks and 12 inch centers to field. Stagger all vertical drywall joints 48 inches' top and bottom and both sides of wall. Finish drywall up to the bottom of the existing T-Bar ceiling with a clean transition using tape or a embedded finishing strip. Texture to match existing walls.

F- Paint: Prime and paint new walls to match existing office color. Repaint entire inside of new office. Include an accent color TBD on 2 walls inside the new office.

G- Flooring: The existing carpet will be left in place and reused in the new office. Cove Base: Install new 4in rubber cove base on the new wall to match existing cove base color.

H- HVAC system- no change to existing supply register.

I- Light switch to be a Mfg. -Leviton, Vacancy sensor.

PART 4 - EXECUTION

All work that creates excessive noise, dust or fumes will be done after normal working hours, between 5pm and 8am or on weekends.

END OF SECTION 01100

SECTION 01300 - ADMINISTRATIVE REQUIREMENTS

PART 5 - GENERAL

5.1 PROJECT MANAGEMENT AND COORDINATION

- A. Coordinate construction to ensure efficient and orderly installation of each part of the Work.

Conduct progress meetings at Project site. Notify Owner of meeting dates and times. Require attendance of each subcontractor or other entity concerned with current progress or involved with planning or coordination of future activities.

SECTION 16050 - BASIC ELECTRICAL MATERIALS AND METHODS

A- Install one new light switch to control the 2 light fixtures inside the new office. Include a occupancy sensor type light switch. 48 inches maximum up from floor to top of switch.

B- Remove the two existing fluorescent lights inside the new office. Install two new 2' x 4' LED drop in lights over one bay (see plans) from the existing lights.

C- Break into the electrical circuit controlling the room lights in the area of the new office.

Separate the two new LED lights off the larger room lighting and tie them into the new wall switch as shown on plans.

PART 6 - GENERAL (Not Applicable)

PART 7 - PRODUCTS

7.1 SUPPORTING DEVICES

- A. Material: Conduit: EMT or flex, steel, with corrosion-resistant coating acceptable to authorities having jurisdiction.
- B. Raceway and Cable Supports: Manufactured clevis hangers, riser clamps, straps, threaded C-clamps with retainers, ceiling trapeze hangers, wall brackets, and spring-steel clamps or click-type hangers.
- C. Pipe Sleeves: Schedule 40, galvanized steel, plain ends.
- D. Cable Supports for Vertical Conduit: Factory-fabricated assembly consisting of threaded body and insulating wedging plug for non-armored electrical cables in riser conduits. Plugs have number and size of conductor gripping holes as required to suit individual risers. Body constructed of malleable-iron casting with hot-dip galvanized finish.
- E. Toggle Bolts: All-steel springhead type.

PART 8 - EXECUTION

8.1 ELECTRICAL EQUIPMENT INSTALLATION

- A. Headroom Maintenance: If mounting heights or other location criteria are not indicated, arrange and install components and equipment to provide maximum possible headroom.
- B. Materials and Components: Install level, plumb, and parallel and perpendicular to other building systems and components, unless otherwise indicated.
- C. Equipment: Install to facilitate service, maintenance, and repair or replacement of components. Connect for ease of disconnecting, with minimum interference with other installations.
- D. Right of Way: Give to raceways and piping systems installed at a required slope.

8.2 SUPPORT INSTALLATION

- A. Secure electrical items and their supports to building structure, using the following methods unless other fastening methods are indicated:
 - 1. Wood: Wood screws or screw-type nails.
 - 2. Gypsum Board: Toggle bolts. Seal around sleeves with joint compound, both sides of wall.
 - 3. Masonry: Toggle bolts on hollow block and expansion bolts on solid block. Seal around sleeves with mortar, both sides of wall.
 - 4. Light Steel Framing: Sheet metal screws.
 - 5. Fasteners for Damp, Wet, or Weather-Exposed Locations: Stainless steel.
 - 6. Light Steel: Sheet metal screws.
- B. Fasteners: Select so load applied to each fastener does not exceed 25 percent of its proof-test load.

8.3 FIRESTOPPING

- A. Apply fire stopping to cable and raceway sleeves and other penetrations of fire-rated floor and wall assemblies to restore original undisturbed fire-resistance ratings of assemblies. Fire stopping installation is specified in Division 7 Section "Through-Penetration Firestop Systems."

8.4 DEMOLITION

- A. Protect existing electrical equipment and installations indicated to remain. If damaged or disturbed in the course of the Work, remove damaged portions and install new products of equal capacity, quality, and functionality.
- B. Accessible Work: Remove exposed electrical equipment and installations, indicated to be demolished, in their entirety.
- C. Abandoned Work: Cut and remove buried raceway and wiring, indicated to be abandoned in place, **2 inches** below the surface of adjacent construction. Cap raceways and patch surface to match existing finish.
- D. Remove, store, clean, reinstall, reconnect, and make operational components indicated for relocation.

8.5 CUTTING AND PATCHING

- A. Cut, channel, chase, and drill floors, walls, partitions, ceilings, and other surfaces required to permit electrical installations. Perform cutting by skilled mechanics of trades involved.
- B. Repair, refinish and touch up disturbed finish materials and other surfaces to match adjacent undisturbed surfaces.
- C. END OF SECTION 16050

SECTION 16140 - WIRING DEVICES

PART 9 - GENERAL

9.1 SECTION REQUIREMENTS

- A. Submittals: Product Data.
- B. Codes and Regulations:
 - 1. Occupational Safety and Health (OSHA).
 - 2. National Electric Code (NEC), latest adopted edition.
 - 3. California Administrative Code (CAC) Title 8, Title 19, and Title 24.
 - 4. National Fire Code.
 - 5. Uniform Building Code
 - 6. Uniform Mechanical Code.
 - 7. Uniform Plumbing Code.
 - 8. Local Codes, if applicable.
- C. Tests and Standards:
 - 1. American National Standards Institute (ANSI).
 - 2. Underwriters Laboratories, Inc. (UL).
 - 3. National Electric Manufacturers Association (NEMA).
 - 4. Electrical Testing Laboratories (ETL).
 - 5. National Fire Protection Association (NFPA).
 - 6. Insulated Power Cable Engineers Association (IPCEA).
 - 7. Institute of Electrical and Electronic Engineers (IEEE).
 - 8. Illumination Engineering Society (IES).
- D. Execution:
 - 1. Workmanship: The work shall be performed by competent workmen, skilled in the particular phase of the work entailed. The work shall be first class throughout, neat, accurate and in full accordance with the intent of these Specifications.
 - 2. Safety: All standard safety procedures as set forth by OSHA, CCR and California Division of Industrial Safety shall be strictly adhered to.
 - 3. Coordination: The Contractor shall familiarize himself with the work of other crafts so as to be able to provide electrical service of correct size and voltage and other requirements to any equipment to be installed. The installations shall be coordinated as to location and time, and interference causing delays and non-acceptable construction shall be avoided. The Contractor shall become familiar with equipment supplied by other sub-contractors and shall verify types, sizes, locations, requirements, controls, and diagrams of all equipment furnished by them.
 - 4. Cutting and Repairing:

PART 10 - PRODUCTS

10.1 DEVICES

- A. General: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- B. Color: Ivory.
- C. Receptacles: General-Duty grade, NEMA WD 1, NEMA WD 6, and UL 498.
- D. Ground-Fault Circuit Interrupter Receptacles: If needed - **Feed** -through type, **heavy-duty grade**, with integral duplex receptacle; for installation in a **2-3/4-inch - (70-mm)** deep outlet box without an adapter.
- E. TVSS Receptacles: Duplex type, with integral TVSS in line to ground, line to neutral, and neutral to ground.
- F. Snap Switches: Heavy-duty, quiet type.
- G. Fluorescent Lamp Dimmers: Modular, compatible with dimmer ballasts, with audible and electromagnetic noise filters and capable of consistent dimming to a maximum of 10 percent of full brightness. Include trim potentiometer.
- H. Wall Plates, Finished Areas: Smooth plastic, fastened with metal screws having heads matching plate color.
- I. Wall Plates, Unfinished Areas: Galvanized steel with metal screws.
- J. Multi outlet Assemblies: Components produced by a single manufacturer designed for use as a complete, matching assembly of raceways and receptacles. **Metallic** raceway with No. 12 AWG wire. One receptacle as shown on plans.
- K. Sub Panel – Series rated. See page E0.1 on plans.

PART 11 - EXECUTION

11.1 INSTALLATION

- A. Install devices and assemblies plumb and secure.
- B. Mount devices flush, with long dimension vertical, and grounding terminal of receptacles on top, unless otherwise indicated. Group adjacent devices under single, multigame wall plates.
- C. Protect devices and assemblies during painting.
- D. Install wall plates when painting is complete.
- E. All outlet wall plates to be labeled with panel and circuit number.
- F. END OF SECTION 16140