09250 - Gypsum Wallboard
A. Standard Gypsum Wallboard: ASTM C36; Ends square cut, tapered edges.
B. Fire Resistant Gypsum Wallboard: ASTM C36, 5/8 inches thick Type X; Ends square cut, tapered edges.
C. Joint Reinforcement Tape: ASTM C475, Fed Spec. SS-J-570B, Type I as manufactured by or recommended by wallboard manufacturer: perforated, laminated, reinforced paper tape.
D. Joint Compound ASTM C475, Fed Spec. SS-J-570B, Type I as manufactured by or recommended by wallboard manufacturer: pre-mixed, plastic, low-water content, low shrinkage, formulated for each coat.
E. Joint finishing: Tape coat, top coat, and two skim coats over joints fasteners and corners, for a smooth finish for a Level 4 finish per "Levels of Gypsum Board Finish," Gypsum Association GA-214. Power roller or airless spray apply preparation coat for finish: USG FirstCoat, Hamilton PrepCoat or accepted equal. Final texture shall be medium dash spray and knock down.
F. Water: Clean, fresh, and suitable for domestic consumption.
G. Screws: ASTM C646, bugle head. Type W minimum. No Nails allowed.
H. Accessories: Corrosive protected steel. Provide Metal Corner Bead at all exposed outside corners. Install Metal L-shaped edge trim at all exposed intersections with different materials.
I. All work shall be done in accordance with the USG recommended method of installation. All marks, divots, and blemishes shall be removed.
J. Submit Cut-Sheets and Shop Drawings for all materials.

09500 - Acoustic Panels and **Fabric**
A. Panels shall be manufactured from semi-rigid moulded fiberglass board of 7 pound density with square edges and fabric wrapped and plywood backed where noted. Panels shall be custom sized to fit existing site conditions and conform to adjacent panels. Total thickness 1-1/8 inches. Tolerance shall be 1/16 inch for all joints between panels and adjacent finished surfaces. Fabric shall match existing adjacent fabric to dye lot. Panel fabric shall be directly bonded to the panel face and returned to the panel obverse face minimum one inch. Finished panel shall be flat, wrinkle free and have tailored corners.
B. Panel assembly shall meet Class 'A' Fire Rating with flame spread of 25 or less when tested according to ASTM E-84. Panels shall have a minimum noise reduction coefficient of 0.85 when tested according to ASTM 423-84 based on test mounting 'A'.
C. Acceptable manufacturers include: Lamvin Acoustical, Panel Solutions, Inc.; Kinetics Noise Control; Nello or approved alternate manufacturer.
D. Panels and fabric shall be installed in conditioned spaces only. Panels shall be attached to the substrate with tapered metal 'Z' clips attached to both the panel and the wall in at least four places for 8'-0" high units. Panels shall be installed according to manufacturer's printed instructions. Contractor shall provide all necessary clips, adhesives, mouldings, channels, etc. for a complete installation.
E. Fabric shall be glue attached to finished gypsum board walls. Walls shall have minimum of three coat topping compound over all joints and attachments. Surface shall be sanded smooth gesso sized. Selvage edges shall be trimmed back, sealed and the adjoining piece shall be lapped over with the two pieces double cut to a clean unfrayed edge. Warp threads shall run straight and true to the adjoining piece.
F. Submit manufacturers data sheets, including NRC test results and three fabric samples 1'-0" square minimum. Submit panel layout Drawing showing location of panels, fabric and fabric repair including jointing.

09690 - Modular Carpet Tiles
A. Carpet tile shall be Interface, cut and loop carpeting with Base Style No.162026-0000. No.234959-032, Grey for corridor areas; No.234959-033, Grey with pattern for Workstation areas; No.234959-047, Beige; No.234959-035, Beige with pattern.
B. Provide carpet tile with a secondary backing of woven polypropylene fabric. Provide carpet tile shall be identical in size, 18 inches by 18 inches, precision die cut for complete interchangeability. Sides shall be straight and the corners square. Tufts shall be firmly secured at the edges as in the other areas of the carpet tile. Backing shall be fiberglass reinforced vinyl hardback. Carpet tile must lay flat on a flat surface without curling, warping, buckling, cupping, or doming and without any lumpiness, unevenness, or differences in thickness in individual tiles or from tile-to-tile. Use nontoxic carpet tile materials and treatment, free from other recognized health hazards, and conforming to the following:
C. Furnish one carton of carpet tiles of each pattern and color in addition to the quantity required for installation. Furnish extra carpet tile, for replacement use, of same manufacturer, type, and quality and same dye lot as the installed carpet tile.
D. Deliver carpet tile to the site in manufacturer's original wrappings and packages clearly labeled. Store in a safe, dry, clean, and well ventilated area. Do not open containers until needed for installation unless verifying inspection is required.
E. Comply with requirements for conditioning adhesives and minimum floor temperature before, during, and after installation as recommended by the carpet tile and adhesive manufacturer's instructions. Carpet tile installation constitutes validation by the Contractor that the substrate and conditions in the area meet all requirements for satisfactory installation.
F. Install carpet tile in accordance with the manufacturer's printed instructions. Installed carpet tile must be smooth, uniform, and secure. Install tile with carpet pile lay in same direction. Fit cutouts, such as door jambs, columns, and ducts, neatly and securely. Provide transition strip at least 2 inches wide, with 5/8 inch wide face to all non-carpeted areas.
G. Use 'GridSet 2000' or other "Blue Glue" type adhesive to attach every tenth tile in each direction of any room or area. Installed carpet tiles shall be removable. Ensure that exposed area is capable of being restored to its original condition by replacing removed tiles or installing new tiles of same manufacturer, type, and quality.
H. After installation, remove all debris, moldings, scraps, and other foreign matter. Remove any soiled spots or adhesive from the face of the carpet tile with the appropriate spot remover. Clip any protruding face yarn. Vacuum the carpet tile until clean.
I. Carefully protect installed carpet tile with heavy, reinforced, non staining kraft building paper or polyethylene film of an approved quality and thickness. Lap and secure edges of covering widths. Keep covering in repair and replace damaged portions. Remove protective covering when directed by the Architect.
J. Submit Shop Drawings that include area to be carpeted; moldings and edge strips and location; details of special treatments, such as ducts and trench headers and location. Submit Samples: Carpet tile, Qualifications of installer; Test Reports: Flammability test, Static propensity test.

09809 - Fusion-Bonded Epoxy (Powder) Coating
A. Coating: 100% solids, fusion bonded, thermo-setting resin powder. Electrostatic spray: Herbert's O'brien; Tiger Drilac; Scotchkote No. 134, by 3M, TGIC- free polyester,, or approved equal. Color shall be as selected by the Architect from the manufacturer's full line color selections including premium colors. No custom colors. Gloss: ASTM D523; impact resistance: ASTM D2794; flexibility: ASTM D522; pencil hardness ASTM D3363; crosshatch: ASTM D3359; salt spray resistance: ASTM D117 and humidity resistance: ASTM D2247.
B. Electrostatic spray method shall be used for shop coating miscellaneous metal fabrications. Identify each coating by brand name and manufacturer, and indicate what items will be coated. Applicator shall be regularly engaged in application of similar coatings for at least two years immediately prior to this work, acceptable applicators include Bay Area Powder Coatings (510-534-4762). Workers shall be experienced and knowledgeable in preparation for and application of fusion-bonded epoxy coatings.
C. Comply with the applicable safety recommendations of SSPC-PA-Guide 3 and Good Painting Practice, Chapters 2.4 and 5.3. The cleaned metal surface shall be protected from weather and surface moisture or be allowed to flash rust before coating. Apply coatings only when conditions are within the limits prescribed by the manufacturer and do not apply coatings when metal temperature is below 55° F or relative humidity is greater than 85 percent for repair work.
D. Grind smooth all surface irregularities, welds, weld spatter, smooth and round all sharp metal edges. Abrasive blast surfaces to white metal in accordance with SSPC-SP 5. Surface anchor profile: 1.5 to 4.0 mils. Oxidation of the steel prior to coating in the form of "blueing" or other apparent oxide formation is not acceptable. If such oxidation occurs, the metal shall be cooled to ambient temperature and recleaned.
E. Preheating, coating application, and post-curing shall be in accordance with the coating manufacturer's instructions and AWWA - C213. The heat surface shall not leave a residue or contamination on the metal surface. Graduated "Tempilstik" crayons or optical pyrometers shall be used to measure the temperature.
F. Dry film thickness of cured coating shall be 5 mils minimum. Thickness shall be measured with a non-destructive paint film thickness gauge. Finished coating shall be well bonded, have no sags and runs and be free of holidays and pinholes. The finished coating shall be inspected and tested at the coating plant.
G. The finished coating shall withstand: Adhesion-tension test: to 3,000 psi; and Adhesion-shear test: to 4,000 psi when using an Instron testing machine. Any work found deficient shall be repaired and brought to full compliance with these specifications. Retest after coating repairs.
H. After installation of coated items, repair damaged shop-applied coatings and field welds with the coating manufacturer's recommended repair material. Prior to coating, surfaces shall be cleaned and ground to bare metal per SSPC-SP 11. Apply one or two coats as required to obtain a dry film thickness of 20 mils minimum, using brush or spray. Brush shall only be used for touch-up work of less than 3 sq. ft.
I. Submit manufacturer's current specifications or technical information for all coatings proposed for use. Submit manufacturer's written instructions and recommendations for field coating and repair of coatings.

09900 - Painting
A. Paint Manufacturers: Kelly-Moore (listed), ICI Dulux, Sherwin-Williams, Pittsburgh, Dunn-Edwards or accepted alternate manufacturer.
B. Transparent finish: Kelly-Moore, Olympic, ICI Dulux, Sherwin-Williams, McClosky or accepted alternate manufacturer.
C. Acrylic High Gloss: Kelly-Moore, Water/Oil Hybrid 1980, Dunn-Edwards or approved equal.
D. Base primer / sealer to cover and protect against bleed through, encapsulate noxious or harmful transpiring materials shall be William Zinnser Company's "BIN" denatured alcohol based white pigmented primer.
E. Preparation and Installation: All surfaces to receive paint shall be clean and properly prepared prior to application. Surface must be dry and free of dust, dirt, grease, wax, rust, chalky or loose paint, mildew, or any other contamination.
F. All work shall be installed in accordance with published specifications of the manufacturers. Do not apply paint to wood surfaces with a moisture content of greater than 12%. Back-prime all painted exterior trim.
G. Galvanized metal shall be solvent-cleaned and rinsed thoroughly, or etched with acid before priming.
H. Paint colors will be selected by the Architect from the full range of the manufacturer's palette including any premium colors.
I. Check Substrate for levelness, divots, high areas, and low areas. Remove any deformity not conforming to Gypsum Association Standard for flatness. Remove all oil, paint, wax, dirt or any other damaging material that may prevent the proper installation of the gypsum wallboard. Proceeding with installation indicates acceptance of substrate conditions.
J. Submit Cut-Sheets, color charts for all materials.

07900 - Sealants
A. Building Sealant: Single component sealant complying with Fed. Spec. TT-S-00230C. Manufacturer: DAP 230 sealant, DOW CORNING 795 silicone building sealant, or approved equal.
B. Sanitary Sealant: Single component mildew-resistant sealant complying with Fed. Spec. TT-S-1543A at all toilet rooms, breakrooms, kitchens, or similar wet and humid locations. Manufacturer: DAP Kwik-Seal Tub and Tile Caulk or DOW Corning 786 Silicone Sealant.
C.Sealant color shall match adjacent material or will be selected by the Architect from the full range of the manufacturer's palette including any premium colors.
D. Install sealant in strict accordance with manufacturer's instructions. Apply sealant under pressure with power-actuated or hand-gun, or by other appropriate means. Use guns with nozzle of proper size, and providing sufficient pressure to completely fill the joints from back to top, without voids , and tool slightly concave. finish uniformly smooth without laps, sags, or depressions. Work that is exposed to view shall have uniform surface with neat straight edges.
E. Use foam backer rod for joints deeper than 1 inch in depth and wider than 1/2 inches.
F. Submit Cut-Sheets and Shop Drawings for all materials.

08710 - Finish Hardware
A. Doors requiring accessibility shall have all hardware compliant to California Building Code and CAC Title-24 requirements including: swing characteristics; opening force: 15 pounds at fire doors, 5 pounds at exterior and interior doors; latch or lock single action operation shall be by a single effort without grasping or wrist movement, special knowledge or tools, mount 2'-6" to 3'-8" above finished floor; for configuration and clearances see Plans. Rated doors shall be maintained self-closing or shall be automatic by actuation of a smoke detector. All fire rated doors shall use UL or Warnock-Hersey fire rated hardware.
B. All hardware shall be as noted below, or match existing building standard including keyway, pins and master key system, or as submitted and approved equal. 6 pin cylinder shall meet UL 437. Stamp all keys: "Do Not Duplicate". Keying system requirements will be submitted to the Contractor by the Owner.
C. Coordinate all items to work together for each opening and building area. Finishes: Satin Chrome (US26D, BHMA 628) on steel, brass or bronze; (US28, BHMA 628) on aluminum; brushed stainless steel (US32D, BHMA 630) on stainless steel; or as noted. Furnish construction keying or removable cores.
D. Submit Cut-Sheets for each item and Schedule corresponding to each opening.

Standard Hardware:
1. Roller Latch, set: Ives Nº RL-30, finish US-26D.
2. Hinges: Lawrence BB4101 or approved equal. Center hinge: Bommer, LB-4310-400 square, finish US-26D.
3. Stops: Ives Nº WS-11
4. Silencers: Ives Nº 20 or approved equal; three per frame
5. Push / Pull Plates: NT Quality Hardware Nº4510; Plate Nº 550 and one plate Nº40, with no pull holes or markings. Mount horizontal.
6. Kickplate: Trimco NºK-0038, 16 gauge stainless steel; 10 inch high; 2 inch less than door width
7. Door Smoke Gasket: Pemko S88D.

Group: 1 (interior office)
Hinges: one pair Lawrence, one Bommer
Latch: one roller
Plates: one each type, each face
Stop: wall base mounted

08120 - Metal Door and Window Frames
A. Manufacturer: Ceco , Steelcraft, Curries, Forderer, or approved equal.
B. Frame construction: 16 gage cold-rolled galvanized steel, All corners butted, face welded and ground smooth, Strike and hinge preparations shall be protected by a plaster guard.
C. Reinforcement: Hinges: 8 gauge full mortise per ANSI, Strike: 16 gauge per ANSI.
D. All frames shall be phosphatized and shop-primed with baked-on prime paint.
E. Submit Cut-Sheets and Shop Drawings for all materials.

08210 - Wood Doors and Frames
A. Non-rated Wood Doors: 1-3/4 inch thick, flush, hollow core, plain sliced uniform white Birch face veneer with compatible hardwood edge, Custom Grade. Provide 5-1/2 inch blocking at head. Cores shall be honey comb core per WDMA. Manufacturer: Marshfield, Algoma, Eggers, Western Oregon Door or approved equal.
B. Submit Cut-Sheets for each door type, manufacturers finish and stain samples and Shop Drawings for all materials.

08523 - Aluminum Windows
A. Aluminum windows: Heavy Commercial grade: HC-75. Acceptable manufacturers include Paramount Aluminum Company, "AlumaTherm", or approved equal. All units shall be fabricated to manufacturer's printed Specifications to 2-1/4 inch frame depth with 18mm polyamide 6/6 glass fiber reinforced nylon thermal break and "nail-on" fin. Total assembly "U" value 0.48. See Drawings for profiles and configuration of operation. Vents: hopper-in or awning out, projecting sash with 304 stainless steel, four bar hinges, adjustable limit stop, locking hardware white bronze, all fasteners stainless steel.
B. Aluminum members shall be 6063-T5 alloy and temper with 0.125 wall thickness. Dissimilar metals: isolate to prevent galvanic action. Exposed fasteners: stainless steel. Exposed finish: kynar-base Tiger DryLac, fluoropolymer coating, to AAMA 2605.02. Units shall be factory or shop "wet glazed" with a silicone backbed compound: GE SCS-2511 or approved equal. All primary weatherstrip: Schlegel Q-Lon or approved equal.
C. Insulating panel: two layers of 1/4 inch thick, clear plate float with low "E" coating on one surface of one panel and inert gas filled space; one inch total thickness. Screen frames shall be extruded aluminum by manufacturer. Screen mesh shall be fiberglass.
D. All units shall be installed to printed installation instructions. Plumb and align window faces in a single plane for each wall plane and erect windows and materials square and true anchored to maintain positions permanently. Adjust windows for proper operation after installation.
E. Coordinate flashing with exterior finish installer. Apply 6 inch wide strip of 'Bituthene' flashing shingle fashion to flash window frame under stucco paper, at sill lap over stucco paper. At retro-fit windows install window manufacturer's standard interior and exterior aluminum trim pieces. Apply sealants to provide a weathertight assembly. Leave all exposed surfaces and joints clean and smooth. After completion of window installation, units shall be inspected, adjusted and left clean, free of labels, dirt, etc.
F. The Contractor shall assume full responsibility and warrant for one year the satisfactory performance of the total window installation which includes windows, hardware, glass (including insulated units), glazing, anchorage and setting system, sealing, flashing, etc. as it relates to air, water and structural adequacy.
G. Submit Shop Drawings showing details of entrances and components. Include a Hardware Schedule and show glass thickness, methods of joining, details of field connections and anchorage, fastening and sealing methods. Clearly indicate relationship to other work.

08800 - Glazing
A. All materials shall be first quality, new sheets as manufactured by Libby-Owens-Ford, Tempglass, Viracon or approved equal.
B. Tempered: transparent , 1/4 inches thick; units may be set with concealed tong marks. An indelible UL listing mark shall be placed in the lower corner of the unit for 1 hour fire rating.
C. Glazing Materials: Spacers to be neoprene; Tape to be poly-iso-butylene.
D. Shop-prepare all glazing. Edges to have no chips or fissures.
E. Submittals: Submit Cut-Sheets for all materials.

09131 - Acoustic Ceiling System - General
A. The existing acoustic tile ceiling installation will remain intact, except as required to accomplish the work of this Project. Identify the type of acoustic tile ceiling system in place. Submit portion of existing acoustic tile ceiling components and proposed selection from the same manufacturer for color and texture match. Construction and tile pattern shall match existing building standard or as selected from manufacturer's standard range of tile patterns and the full range of manufacturer's palette including any premium colors. Acceptable manufacturers may include: Armstrong, Chicago Metallic or approved equal. Ceiling tile shall be tested per ASTM E-84 and pass with Flame Spread less than 25 and Smoke developed less than 10.
B. Exposed T-Bar system; factory painted; steel construction; rated for intermediate duty, fire rated and UL listed where required. Ceiling Tiles size to match existing; 5/8 inches thick. Concealed spline system shall have concealed supports and hangers attached to the grid system for light fixtures, air diffusers or grilles and other ceiling mounted equipment.
C. Hangers, Sway Bracing and Hanger Fasteners: galvanized annealed wire; 12 gauge with manufacturer's standard components rated for application and loading specific to this Project.
D. Provide additional Hanger at the corner at each corner of surface or recessed lighting fixture and mechanical registers. See Mechanical and Electrical Drawings for fixture and diffuser locations. Coordinate installation with Mechanical, Electrical work, and other trades. All cables shall be supported separately from suspended ceiling grid system on cable trays or other support systems.
E. Glued-On Tiles shall be Armstrong 552 fissured tiles. Install to 5/8" type "X" Gypsum Board with W.W. Henry company #237 Fire Rated Acoustical Tile Adhesive
F. Installation to be per ASTM C636 structural testing. Lateral restraint for each 120 square feet of ceiling: 'Donn' compression post, telescope to fit interstitial space with bulb clip, spring top clip, guide ring & self locking connection (ICBO No.2244) with restraining wires flared at 45 degrees in 4 directions.
G. Provide Clips for panel uplift restraints at all panels; 2 per panel.
H. Submit product data sheets, color charts for all materials.

09220 - Exterior Cement Plaster
A. Exterior cement plaster, integral color. Color will be selected by the Architect from the full range of the manufacturer's palette including any premium colors from La Habra or approved equal. Finish coat: prime and paint as specified in Section 09900 - Painting; apply ProSoCo, SC-1 sacrificial anti-graffiti coating to align with door heads, apply ProSoCo, Weather Seal Siloxane WB concentrate, no pin holes, holidays or skips from door / window heads to soffit or parapet.
B. Cement: ASTM C 150, Type I / II; Aggregate: ASTM C 144; Plastic Cement: ASTM C 150; Lime: ASTM C 206-79, Type "S"; Waterproofing Admixture; Sonneborn Hydrocide Powder or approved equal.
C. Execution, 3 coat: scratch, brown and finish coat as specified and approved by Plaster and Drywall Systems Manual, 3rd Ed. The brown coat shall be rodded to 1/8 inch in 10 feet tolerance.
D. Finish coat, 1/8" heavy dash matching applied texture. The Contractor shall prepare a 10'-0" by 10'-0" mock-up on the building for the Architect's approval prior to beginning.
E. Finish appearance, full depth to hard edges of accessories, uniform surface, no "dive-ins" tom accessories, no visible laps or patches, straight, true surface between accessories.
F. No cracks shall be visible from 10' away, repair brown coat before application to finish coat.
G. Submit product data sheets for all materials.

D. Counter tops shall have roll formed back splashes and edges as detailed on the Drawings. Backsplash shall be 3/4 inches thick, glued and screwed into top with scribed edges. Joints in countertop to be not closer than 24 inches from sinks. Joints shall be shop fitted, splined, glued and mechanically fastened. Conceal all fastenings. Provide caps at all exposed counter top ends.
E. Plastic Laminate: High pressure thermoset laminated plastic surfacing material to equal or surpass NEMA LD3, Nevamar Nº PH 7001 White Phantasy, Clear Maple; WilsonArt; Formica or accepted equal. Countertops, shelf-tops , splashes, and edges: Grade GP 50, 0.048 inches thick; All other exposed vertical surfaces: Grade GP 28, 0.028 inches thick; Semi-exposed backing sheet: Grade CL 20, 0.020 inches thick; Concealed Backing Sheet: Grade BK 20, 0.020 inches thick. Countertops shall comply with the standards of the WIC grade specified. Plastic Laminate colors will be selected by the Architect from the full range of the manufacturer's palette including any premium colors.
F. Adhesives: Bond surfaces to Type II as recommended by plastic laminate manufacturer.
G. All hardware shall be Håfele, as noted, or approved equal. Door Hinges: 'H' Series or Grass G-100; Heavy-duty concealed. Number of hinges per door to WIC requirements. Door and Drawer Pulls: Nº 151.39.616 and 625, finish brass-brushed nickel. Drawer slides: Heavy-duty grade, full extension with ball-bearings, Accuride 4034 for drawers 2'-0" wide or less and Nº 3640 for drawers up to 3'-6" wide. Self Closing Gate: Bommer 7822; Door Catches: Heavy-duty commercial friction type. Recessed Adjustable Shelf Standards: Aluminum or zinc-plated recessed type; Knape & Vogt with screw secured clips. Locks: Cylinder Module System , style of bolt, hook or tang as required to secure or National N8000 Series, Chrome finish. Heavy Duty Locking Casters: 670.13.902. Mobile Modular Unit Connector: Guro Bolt Lock, Nº 261.05.902. Keyborad Drawer: 632.65.305.
H. Installation of Cabinetry shall be per Woodworking Institute of California (WIC) Manual of Millwork, latest edition for millwork for fabrication and installation.
I. Submit product data sheets for all materials. Full Shop Drawings are required for all casework and shall include jointing details and follow the WIC Standards for preparation and information.

06651 - Composite Material Fabrications
A. Solid Polymer Material: Homogeneous quartz stone with resin and binders meeting ANSI and ASTM standards for stone; not coated, laminated, or of composite construction. Manufacturer: Silestone®, or accepted equal or better. Color will be selected by the Architect from the full range of the manufacturer's palette including any premium colors.
B. Joint Adhesive: Manufacturer's standard two-part adhesive to create inconspicuous, nonporous joints, with chemical bond.
C. Sealant: Manufacturer's standard mildew-resistant, FDA/UL recognized silicone sealant in color-matching or clear formulations.
D. Mounting Hardware: Manufacturer's approved clips, brass inserts, and fasteners.
E. Fabricator/Installer must be approved by manufacturer of the composite material. Provide all composite material fabrications from a single manufacturer. Repair or replace defective materials or assemblies.
G. Shop fabricate components to greatest extent practical to sizes and shapes indicated, in accordance with approved Shop Drawings and composite material manufacturer written requirements. Variation in Component Size: plus or minus 1/8 inch (3 mm). Provide holes and cutouts for plumbing and toilet accessories. Location of openings: plus or minus 1/8 inch (3 mm) from indicated location.
H. Form joints between components using manufacturer's standard joint adhesive. Attach 2 inch wide reinforcing strip of composite material under each joint. Keep components clean when making joints. Form field joints using manufacturer's recommended adhesive, with joints inconspicuous in finished work. Joints shall be inconspicuous in appearance and without voids.
I. Install components plumb and level, in accordance with approved Shop Drawings and manufacturer's written installation instructions and details.
J. Adhere sinks/bowls to countertops using manufacturer's recommended adhesive, mounting hardware and color-matched silicone sealant. Adhere back splashes and end splashes to countertops using manufacturer's standard color-matched silicone sealant.
K. Rout and finish all cutouts and component edges to a smooth, uniform finish. Finish all edges smooth. Repair or replace defective or inaccurate work. Finish all surfaces uniformly: Matte; Gloss rating of 5-20. Remove adhesives, sealants, and other stains.
L. Protect surfaces from damage until Date of Substantial Completion. Repair or replace damaged work that cannot be repaired to architect's satisfaction and invoice for the cost of repairs; before repairs are made, cost estimates are subject to architect's approval. Provide manufacturer's 10 year warranty against defects in materials or installation labor.
M. Submit product description, fabrication information, and compliance with specified performance requirements; and Shop Drawings to indicate dimensions, component sizes, fabrication details, attachment provisions, and coordination requirements with adjacent work.

07111 - Waterproofing
A. Type: liquid-applied waterproofing membrane.
B. Liquid-Applied waterproofing membrane: Sonneborn HLM-5000 or approved equal.
C. Waterproof membrane: Paraseal or approved equal.
D. Sheet Drain membrane: AWD Amerdrain 500 or approved equal
E. Apply all products per manufacturer's printed recommendations and instructions.

07200 - Insulation
A. Thermal insulation shall be placed to form an uninterrupted envelope for the entire heated structure. Place insulation with vapor retarder toward the interior (warm in winter) side of construction. Apply insulation around and at rear of electrical devices. Place insulation to cold side of all pipes. Insulation installed in concealed spaces shall have a flame spread of less than 25 and a smoke density less than 450.
B. Concealed Insulation: Foil backed glass fiber batts; Owens/Corning or approved equal. R-19 at 2x6 walls, R-13 at 2x4 walls, R-30 in ceiling spaces. Fit between framing members.
C. Rigid insulation board: poly-isocyanurate closed cell foam insulation board. Thickness as required to perform to 'U' values calculated for the thermal envelope. Size nominal 4'-0" by 8'-0". Attach as recommended by manufacturer for concealed installation. Conditioned R-value 6.00 per inch. Material shall conform to FS: HH-1-1972/2 Class 1; UL listed as Class 'A'; BOCA, ICBO and SBCCI approved.
D. Submit Cut-Sheets and Shop Drawings for all materials, show steel strap patterns, arrangement of vapor barrier fabric per steel strap bay.

07420 - Composite Building Panels
A. Composite Building Panels shall be mineral fiber reinforced cement autoclaved sheets, either flat or in profiles as noted and detailed. The panel shall be certified asbestos free and safe for handling, shaping and long term installation having no deleterious health impact. Panels shall pass UL 4-S102M and ASTM E-84 Tunnel Test with no fuel contribution, flame spread or smoke developed.
B. Manufacturer: Supradur, Eternit, or approved equal.
C. Finish coating where scheduled shall be alkali resistant latex based masonry paint. Sealant shall be single component, non-sag, elastomeric copolymer. Sealant shall be paintable, toolable, self-healing, non-hardening, not requiring a primer for most surfaces. Manufacturer: Seal-rite or approved equal.
D. Store panels level not more than 3 feet high. Do not de-palletize until ready for installation. Protect from weather, excessive cold or heat and moisture.
E. Panels shall be field cut using abrasive or carbide tipped blades to form smooth, burr free edges, accurately fit to all adjacent surfaces. Cut outs shall be started by pre-drilling and cutting into corners as required to fit to unit or item to be installed. Attachment holes shall be pre-drilled. No self drilling screws will be permitted.
F. Do not install wet panels. Maintain 1/4" clearance gap between panel butt joints. Panels requiring finish painting shall be fully back primed.
G. Provide appropriate expansion joints, flashings, and vinyl foam closure strips with profiles to match panel configuration. Set lapped panel faces, closure strips and flashings in a continuous bead of sealant prior to attachment. All attachment fasteners shall be No.302 stainless steel with conical washer and have low durometer weatherseal integral to the fastener head. Expansion joints shall be installed a maximum of each 100 feet length of panel run.
H. Submit product data sheets and compliance reports for panels and all other materials.

07515 - Built-Up Roofing Repairs
A. Repair System shall match existing building roofing system or be certified as compatible by material manufacturer. Alternative system shall be proved equal and accepted by the Architect prior to ordering material or installation. System material manufacturer: Johns-Manville, U.S.Intec, Owens-Corning, or approved equal.
B. Minor roof repairs may be made with materials from one manufacturer, guaranteed to be compatible with the existing system including: rigid perlite insulation, base sheet (ASTM D2178, Type IV), roofing plies, fiberglass reinforcement (ASTM D1668), cap sheet (60 pound Mineral surfaced roll roofing) and roofing flashing (Derbigum).
C. Spud back existing roofing. Clean surface of gravel ballast; cut back existing cap and ply sheets in 6 inch steps exposing plies. Butt base sheet against existing base ply and subsequent plies to existing plies. Reinforce joint between base sheet and plies with 3 courses of cold applied glass reinforcement 12 inches wide. Apply plastic cement. Lay in reinforcement with plastic cement.
D. Apply 8 inch strip of base sheet over joint beginning at edge of cut-back cap sheet and extending beyond reinforcement by 6 inches onto first base sheet. Set in full bed of plastic cement and nail 9 inches on center along both edges and 18 inches on center down center.
E. Apply Derbigum to cover existing cap sheet by 6 inches. Flash edge of Derbigum to existing cap sheet with 3 courses of 12 inch strip glass reinforcement, hot applied.
F. Apply cap sheet over entire repair. Maintain roof drainage.
G. Submit product data sheets for all materials and proposed application methods. Include warrantee application.

07600 - Flashing and **Sheet Metal**
A. Galvanized Sheet Metal: ASTM A526. Galvanizing coating to be minimum 1.25 oz/square foot. Gages of all fabrications shall comply with recommendations as printed in the latest edition of the Architectural Sheet Metal Manual as published by SMACNA.
B. Fabricate and install sheet metal with lines, rises, and angles sharp and trim , and place surfaces free from objectionable wave, warp , and buckle. Hem exposed edges to form a 1/2 inch wide hem on the side concealed from view.
C. Back prime flashings with bituminous paint where expected to be in contact with cementitious materials or dissimilar materials.
D. Submit Shop Drawings including full size details showing proposed configurations, jointing, fastening and sealing for all required flashings, include fabrication details for expansion joints, corners and intersections.

F. Build basins at shrubs and trees. Replace top soil as required, finish grade in planting areas to control elevations and to provide positive drainage. Clean-up site, remove all waste materials, broom clean paved areas. Approval of Preliminary Inspection begins Maintenance Period.
G. Tree root barrier: Size adjustable in 2' modules, integrated zipper joining system, 1/2 inch raised 90 degree molded root deflecting ribs, ground lock tabs to prevent lifting by tree, double top edge for strength, safety, appearance and root overgrowth protection, copolymer polypropylene, ultraviolet inhibitors, minimum thickness: 0.080" - 0.085", injected molded, rounded edges, manufactured using 50% post- consumer recycled plastic; ASTM test methods: D638, D790b , D256a, D785a.
H. Provide continuous maintenance during the planting operations; and for 60 days after all planting is completed and accepted. Guarantee all plants until the end of the maintenance period; replace all dead plants and plants not in a vigorous condition. All plants shall be warranted healthy and flourishing after one complete growing season.
I. Submit cut-sheets for all materials.

03200 - Concrete
A. Minimum Slab-on-Grade Strength to be 2500 psi at 28 days. Minimum Foundation strength to be 2500 psi at 28 days. Slab finish where exposed shall be hardened, smooth steel trowel with reinforcing fibers driven down for a clear finish. Cement: Portland Cement Type II conforming to ASTM C150-73a. Concrete Aggregates, Conforming to ASTM C33. Admixtures: Pozzolith 344-N, Plastiment, or approved equal in conformance with Title 21, Section T21-2604. Water: Clean and potable and free from deleterious amounts of acids, alkalis, salts, or organic materials.
B. Reinforcement: Welded Wire Mesh per ASTM A185. Steel Bars to conform to ASTM A615; Grade 40 for No. 4 bars or smaller. Grade 60 for No.5 bars or larger. See plans for section.
C. Fiber Reinforcing: Fibermesh 650, 3/4 inch long, 100 percent virgin homo-polymer polypropylene fibrillated fibers with e3® patented technology containing no reprocessed olefin materials and ISO 9002 certified for use as concrete secondary reinforcement at a minimum of 0.1% by volume. (1.5 pounds per cubic yard), UL Classified. Complies with National Building Codes and ASTM C-1116 Type III 4.1.3., ASTM C-1116 Performance Level I and Residual Strength. Add fiber reinforcing at a rate of 1.5 pound per cubic yard of concrete at the batch plant.
D. Slab Construction Joint Forms: Burke Keyed Kold, Quick Joint, Kold Seal or approved equal
E. Expansion joint filler: ASTM D1751. Horn Fiber Expansion Joint or approved equal.
F. Curing Compound: CreteSeal CS 2000 Type I per ASTM S 309 3.1.1. Curing Paper: 4 mil polyethylene; Type I per ASTM C171. Surface Sealer: ASTM C309. Burke Aqua-Seal, Sonneborn Kure-n-Seal, Horn Clear Seal Standard, or approved equal
G. Rock Base: Clean, granular material free from roots and organic material, maximum size to be 3/4 inches in diameter.
H. Vapor Barrier: 10 mil. black polyethylene per ASTM C1745, scrim reinforced 'Fortifiber' Moistop Ultra or 'Mirafi' MCF 121, Pond Liner.
I. Sand cover over vapor barrier;: ASTM C33. uniformly graded clean sand free from organic materials. 2 inch min.
J. Submit Cut-sheets on all materials including: concrete and grout mix designs. Submit Shop Drawings for reinforcing, construction and control joints.

05431 - Slotted Channel Support Framing
A. Provide and install metal slotted channel framing including fittings and related accessories as shown on the Drawings and required to support, brace or restraint equipment and utilities. Support structure shall be calculated to carry equipment dead loads, live loads including "wet" weights and resist both seismic and vibration or cyclical loads. Metal slotted channel framing shall be as manufactured by Uni-Strut, Kindorf, B-Line or accepted alternate manufacturer. All components must be supplied by a single manufacturer.
B. The slotted channel framing system structure shall meet the requirements of American Iron and Steel Institute (AISI) Specification for the Design of Cold- Formed Steel Structural Members latest Edition and American Society for Testing And Materials (ASTM). Fabricate items in accordance with applicable provisions Code of Standard Practice of the American Institute of Steel Construction, Structural Welding Code-Steel" of the American Welding Society (AWS) D 1.1, latest edition.
C. All material is to be delivered to the work site in original factory packaging to avoid damage to the finish. Upon delivery to the work site, all components shall be protected from the elements.
D. Installation shall be accomplished by a fully trained, manufacturer authorized installer. Provide nuts, bolts, washers, screws, and other fasteners with corrosion-resistant plated finish. Set metal slotted channel framing components into final position true to line, level and plumb, in accordance with approved Shop Drawings and manufacturer's printed instructions. Anchor material firmly in place. Install supplementary framing, blocking, and bracing as required. Where type of supplementary support is not indicated, comply with calculated load requirements, manufacturer's recommendations and industry standards. Tighten all connections to their recommended torques.
E. During installation, it shall be the responsibility of the installer to protect this work from damage. Upon completion, remove all protective wraps and debris. Repair any damage due to installation. The Contractor shall protect the installation from damage during the remainder of construction on the project and until substantial completion.
F. Manufacturer shall warrant for one year from the shipment date that products will be free from defects in material or manufacture. In the event of any such defect in violation of the warranty, installer shall have the option to repair or replace any such defective product.
L. Submit Product data and installation instructions. Also submit Shop drawings for components and installation. Include placing drawings for framing members showing size, number, type, location, and spacing. Indicate supplemental strapping, bracing, splices, bridging, accessories, etc. Submit structural calculations including: design criteria, stress and deflection analysis.

05500 - Miscellaneous Metals
A. Steel shapes, bars, and plates: ASTM A 283
B. Steel tubes: ASTM A500 grade B (cold-rolled) or ASTM A 501 (hot formed).
C. Welded wire fabric shall be two mesh by 0.12 inch welded wire cloth, plain steel, hot dipped galvanized after fabrication.
D. Standard threaded fasteners: ASTM A 307-88a for bolts. ASTM A563-88a for nuts. ANSI B.27.2, Type A for washers.
E. Welding Electrodes: as permitted by AWS Code D1.1. use E70xx, low hydrogen.
F. Fabricate items in accordance with applicable provisions Code of Standard Practice of the American Institute of Steel Construction, Uniform Building Code, Structural Welding Code-Steel" of the American Welding Society (AWS) D 1.1, latest edition. Grind smooth all welds. Shop-prime items as scheduled for painting metals in Section 09900 - Painting.
G. Security Screen Door: fabricate from one inch square, gage steel tube rails and 1-1/2 inch gage steel tube jambs with lockset box and perforated metal mesh screen. Accepted manufacturer: Leslie Lock Door Accessory Company: Model Nø 695 "Southwestern" style.
H. Galvanize all items after welding, fabrication and finishing: Hot-dip galvanized according to ASTM 123 and 153.
I. Paint primer: Fed Spec. TT-P-86; or powder coating to finish will be selected by the Architect from the full range of the manufacturer's palette including any premium colors, shop-applied.
J. Provide complete Shop Drawings for all steel items. Verify and coordinate all dimensions and attachment to framing or other structure by field observation and measurement.

06100 - Rough Carpentry
A. Grading in accordance with the WCLIB or WWPA rules, latest edition. All framing lumber shall be kiln dried to 19% maximum average moisture content.
B. All framing lumber shall be Douglas Fir/Larch as follows unless noted otherwise: 2x4 studs; Construction, 2x6 studs; No.2, Rafters and Joists: No.1, Plates, blocks, and miscellaneous: No.1, Concealed beams; No. 1, Construction Grade, Sill plates: pressure treated Douglas Fir.
C. Fasteners, Hangers, and Connectors: Simpson Strong-Tie, Silver or approved equal. Framing anchors, joist hangers and all other materials, including engineered fasteners, stiffener blocking, bracing, or bridging as required for complete installation shall be provided by the Contractor.
D. Nailing of framing components shall conform to CBC (latest edition) or Table 23A-II-B-1 CBC as a minimum. All nails shall be common wire gauge, length and head diameter equal to common wire specifications.
E. Plywood Sheathing: Minimum grade: CDX unless noted otherwise. All plywood to conform to product standard PS-1. Lay with face grade perpendicular to supports. Minimum thickness and grade shall be based on panel rating and the CBC. All floor plywood shall be glue and screw attached. Roof plywood shall be glue and nail attached.
F. Plywood Nailing: Minimum nailing shall be 10d at 6 inches on center at all edges; 10d at 12 inches on center at interior supports (10d at 10 inches on center on wood floors), unless noted otherwise.
G. Glue for glued roof and floor construction: APA performance specification AFG-01.
H. Joists: Provide full bearing and solid blocking at all supports. Provide bridging at 8'-0" on center for floors.
I. Building Paper: Fed Spec UU-B-790, Type I, grade D, 60 minutes; 2 layers over plywood sheathing. Apply over studs or sheathing of all exterior walls, free from holes or breaks other than those created by fasteners due to attaching building paper. Paper shall be applied weather-board fashion, lapped 2 inches at horizontal joints and 6 inches at vertical joints.
J. Wood preservative: ACQ (water borne Ammonia Copper Quatenary) or MCQ, brush apply to wood products in contact with concrete, within 1'-0" of grade or within 6 inches of flatwork. Handle according to EPA guidelines and apply according to AWPA Specifications and Standards. Any wood members shown to remain exposed and unfinished may be sealed with a clear sealer or if the material is scheduled to be stained or painted the sealer shall be compatible with the finish material and not modify the intended color, sheen or performance.
K. Submit Cut-Sheets for all framing attachment items and fasteners.

06200 - Finish Carpentry
A. Trade Standards: Woodworking Institute of California (WIC) Manual of Millwork, latest edition for millwork fabrication and installation. Provide a Certified Compliance Certificate for Installation at completion of the Project.
B. Use a finish saw to cut all lengths and miters. Length joints shall be scarfed, blocked, smooth and unnoticeable to the eye and touch after painting. All joints shall be scarfed and blocked from behind. Use finish nails for attachment. Ease all exposed edges of cut ends with 80 grit-100 grit sandpaper on wood block. Miter all corners unless noted otherwise.
C. Interior Solid Stock: Interior Solid Stock: Select Maple, kiln-dried FAS, one face; conform to NHLA Grading Rules.

06410 - Cabinetry
A. All millwork and cabinetry shall be manufactured and installed equal to the standards of the Architectural Woodwork Standards (AWS) of the Woodwork Institute latest edition Section 10 for plastic-laminated casework with plastic laminated countertops. All units shall be constructed to "Custom-Grade", Flush Overlay construction, Type-II (Type-I for long sections), Style A. See Section 09900 for finishing.
B. Base and Wall Cabinets shall be composed of plastic laminate adhered to 3/4 inch thick, non-telegraphing hardwood plywood including doors, drawer faces, shelves and countertops. The faces and edges of drawers, doors and shelves shall be plastic-laminated and self edged. Backsplash shall be 3/4 inches thick, glued and screwed into top with scribed edges at wall faces. Joints in countertop to be not closer than 24 inches from sinks and be shop fit, splined, glued and mechanically fastened.
C. Provide back and ends on all cabinets. Provide clear spaces as required for mechanical and electrical fittings. Base cabinets shall have exposed toe spaces. Unless indicated otherwise, all shelving to be adjustable. Shelves shall support 40 pounds per square foot or 200 pounds total load. Drawer boxes may be pre-engineered. The edges of drawers, doors and shelves shall be solid wood edge banded. Door and drawer edges shall be lipped flush inset.

SPECIFICATIONS

01000 - General Conditions
City of Rio Vista General Conditions, Special Provisions and Attachments or "General Conditions of the Contract for Construction" AIA Document A-201, Fourteenth Edition, 2007, as published by the American Institute of Architects; whichever individual applying Section is more restrictive shall apply and are herein referred to as General Conditions, and hereby made a part of this Specifications, whether bound in or not. The General Conditions shall become a part of the Contract and shall apply to the General Contractor and all Sub-Contractors.

01010 - Summary of the **Work**
A. This Project includes the demolition of an exterior window wall. Various interior walls, finishes and casework will be removed to reconfigure the spaces for different uses. An exterior in-fill wall will be constructed at the face of the existing roof line at the Community Room. Wall, floor finishes casework will be installed. The existing Janitor's Closet and Dispatch Toilet will be reconfigured to make a Radio Room.
B. Office furniture system components will be installed to furnish offices, make semi-private work stations and open work areas for emergency services.
C. Modifications will be made to the supporting mechanical, plumbing and electrical systems. Open office areas will require power and communication wiring from the floor, no ceiling drops will be permitted.
D. No modifications will be made to on-site parking for compliance to current Accessibility Standards for van and automobiles. Existing facilities in other portions of this building not within the Area of Work as shown on the Drawings will remain intact whether compliant or not.

01015 - Disclaimer
The Architect has prepared these Documents only for the improvements and construction noted, indicated or shown as "new work", and assumes no responsibility for all other construction, materials or equipment noted, indicated or shown as existing (E) or as provided or installed by others under separate contracts and permits. Unless otherwise indicated or noted on these Documents the Architect has neither checked nor verified the structural integrity, quality of construction, accessibility to, egress from, or design of the existing construction or any other work not included as part of the improvements specified, detailed or shown on these Documents.

01036 - Alternates - deductive
A. The Base Bid shall include all work shown including work described as Alternates.
B. The Alternates described below are intended to: allow the Owner to identify the cost of a portion of the Project for funding purposes; provide the owner flexibility to adjust the project scope to suit funds available.
C. The Owner reserves the right to award none, any one or more selected in any order, or all of the alternates in combination with the work covered by the Bid. Alternates will not be awarded without awarding the total Base Bid.
D. The Owner reserves the right to determine the low bid as the Base Bid alone or the sum of the Base Bid and any combination of Alternates it chooses to award.
E. Each Alternate is intended to cover all of the work required for a complete finished job.
F. All alternates are deductive to the Base Bid. The amounts shall be quoted in the appropriate spaces provided on the form for the Bid for Lump Sum Contracts.
G. Failure to quote an amount or the insertion of the words "no bid," "none" or words of similar import, will be considered as not completing the bid for Lump Sum Contract and may constitute disqualifications of the entire bid at the Owner's discretion.
H. The Base Bid and the Alternates are exclusive in their Scope of Work. There is no overlap between or among the Base Bid and the alternates. The cost of any item of work shall be included only once, in the Base Bid or in the Alternates.
I. Deductive Alternate Nº 1: Install the hollow metal wall, door frame and brace wall sections including tube steel cap rail, hollow core doors and hardware, glazing and panel core, tackable fabric surface panels. Also provision of the Krueger International (KI) "All Terrain" mobile panels.
J. Deductive Alternate Nº 2: Remove the existing wall and floor surfaces and finishes in the Toilet and Janitor's Rooms, repair remaining surfaces to accept painted gypsum board finishes and adhesive applied acoustic panel ceiling. Modify electrical power, lighting and data service. Install base cabinet.

01055 - Cutting and **Patching**
A. Use only equipment and materials for cutting, fitting and patching which comply with the applicable Specification Sections, and which match adjacent materials.
B. Provide shoring, bracing, backing and other support as required to maintain structural integrity and protect existing finishes to remain intact.
C. Execute cutting and selective removal of existing items or materials by methods which will prevent damage to other work or construction required to remain for other trades. Maintain surfaces or edges of existing construction intact to receive installation of materials or repairs.
D. Restore work which has been cut, removed or damaged during construction. Install new products or material to provide completed work in accordance with requirements of the Construction Documents. Clean and protect all finished work.

02070 - Selective Demolition
A. Verify all existing conditions including soundness of structure and support capacity, and components, as scheduled for demolition.
B. Any component removed by the Contractor that was not scheduled for demolition shall be replaced at no cost to the Owner. Any building component that is damaged by the Contractor during demolition shall be restored to its original condition at no cost to the Owner.
C. Salvage any building component that is scheduled for re-use in the Project shall be stored and protected. Items identified by the building Owner to be returned to building stock shall be protected, staged, packaged where required and surrendered to the Owner.
D. Provide dust-barriers and barricades at the work areas to protect adjacent areas and the entire site from dust and damage and prevent intrusion into work areas.
E. Provide temporary bracing and shoring as required to maintain seismic, gravity and wind loading capabilities of work being performed, existing, remaining construction and protect existing finishes to remain intact.
F. Examine the site and structure and determine the extent of existing utilities. Arrange for proper shut-off and cut, cap off and otherwise protect utilities as necessary. Immediately verify status of unidentified utilities when encountered during the progress of the work. In occupied buildings where utility connections or temporary utility service is necessary for construction, notify the building operations management to coordinate temporary shut downs. Maintain ongoing building operation during hook-up.
G. Remove razed materials and debris from the site as the work progresses. Adjacent areas shall be cleaned daily to minimize dust due to demolition work.

02100 - Site Preparation
A. Maintain access to the site at all times.
B. Remove all items including miscellaneous structures, pipes, conduits, un-consolidated soils, etc. as noted or shown on the Drawings or as required by the Engineer. Sawcut edge where existing paving is to remain as close as practical to boundary objects such as fences, building corners or other structures. Protect adjacent building faces or structures on adjoining properties.
C. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, wash-out, and other hazards created by operations under this section that are scheduled for incorporation into the work. Barricade open depressions and holes occurring as part of this work.
D. Repair potholes or sunken areas, water consolidate and compact sub-grade as specified in soils report or to satisfaction of the Engineer, re-grade as required to conform to design grades, spot elevations and slopes. Route and power wash out existing storm drain lines, verify outlet, temporarily plug during excavation at point of connection, provide positive flow and cleanouts beyond last structure. Remove spoils and dispose.
E. Protect existing utilities indicated or made known during demolition or excavation. Coordinate work with Utility companies and agencies. If active lines are encountered and are not shown on the Drawings, or otherwise made known to the Contractor, promptly take necessary steps to assure that service is not interrupted. Notify the Owner at 48 hours in advance of any service interruptions.
F. Provide public and pedestrian protection by means of railings, barricades, canopies, fences, or other protective devices including signage, as required by local Ordinances, Public Works Department or Building Department. Include incidental load resisting calculations as required.

02282 - Pest Control Treatment
A. Treat all soil beneath new building slabs with termite control chemicals.
B. Material shall be formulated as a concentrate and the material shall be fully approved by the State of California. Submit evidence of approval.
C. Applicator shall be licensed by the State of California. Material shall be applied per manufacturer's instructions.
D. Submit Cut-Sheets for all materials. License certification of applicator.

02442 - Sprinkler System - Repair
A. Furnish materials and installation for modification and addition to the existing operating system including: sprinkler and emitter heads, piping and fittings, vacuum breakers, valves, and replacement or adjustment of the automatic control, master valve, pressure reducing valves as required for change in flow demand and final adjustment of all heads to insure complete coverage of all landscaped areas. Verify type and specification of existing components; provide materials to match existing design. Heads, valves and controller shall be identical to existing components.
B. All materials and labor shall be in full accordance with the latest rules and regulations of the National Electrical code, the Uniform Plumbing Code published by the Western Plumbing Officials Association, and other applicable state or local laws or regulations.
C. Trench, stockpile excavation materials and refill trenches. Compact to 95% MDD.
D. Make line voltage connections to the irrigation controller and install low voltage control wiring from controller to remote control valves.
E. Test system with Architect or Owner's representative present. Replace unsatisfactory materials or existing, non-conforming installations. All defective work shall be corrected and approved by the Architect.
F. Submit Cut-Sheets for all materials and Shop Drawings including piping layouts, pipe sizes, sprinkler head locations and types, valve locations and sizes, etc. Provide reproducible record Drawings to the Architect at the completion of the Project for all modifications and found existing conditions remaining intact.

02480 - Planting
A. Plant materials shall be species and sizes as scheduled. Stock shall be well formed, vigorous, healthy with unbroken root systems. Trees and large shrubs shall be symmetrically developed. Store planting material in secure protected area.
B. Furnish all materials necessary for complete planting including: import soil, commercial fertilizers, soil amendment, backfill mix, mulch, staking and tree protection and planting materials.
C. Imported topsoil shall be guaranteed free of weeds, sticks, friable and local to the vicinity. Mulch: shredded fir, American Soil products, 3 inches deep. Soil amendment: nitrified Redwood, 1-0-0 aged sawdust.
D. Fertilizer: pellet form with available by weight 11% nitrogen, 8% phosphoric acid and 4% potash.
E. Plant materials shall be installed as recommended by the American Nurseryman. Open pit walls for root penetration. Backfill with clean loose soil and amendment. Set plant ball 2 inches above finish grade. Replace unsatisfactory materials.

G U T I E R R E Z / A S S O C I A T E S
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Oakland, California 94612
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Revisions:

RIO VISTA EOC REMODEL
APN: 15-1-114
FIRE STATION
350 MAIN STREET, RIO VISTA, CA 94571

CITY of RIO VISTA, FIRE DEPARTMENT
350 Main Street, Rio Vista, California 94571

Sheet Reference:
ABREVIATED SPECIFICATIONS
Date : 24 January 2012

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