

DIVISION 1 SPECIFICATIONS

GENERELL

Contractor shall provide all labor m material, and equipment for a complete Project.

Contractor shall pay all fees and taxes including, but not limited to permits, inspections, testing, utility connection and development charges, and gross receipts tax.

Contractor shall provide and pay for all temporary facilities including, but not limited t utilities, fencing, protective barricades, toilets, and storage or office trailer.

All work shall conform to the latest adopted editions of regulating codes.

DIVISION 2 SPECIFICATIONS

SEE STRUCTURAL PLANS SHEET S-1.

DIVISION 3 SPECIFICATIONS

SEE STRUCTURAL PLANS SHEET S-1.

DIVISION 4 SPECIFICATIONS

SEE STRUCTURAL PLANS SHEET S-1.

DIVISION 6 SPECIFICATIONS

MILLWORK

MATERIALS

Wall base shall be Vinyl, color by owner.

PROCEDURES

Field dimensions shall be taken before commencing work.

All doors and their frames shall be set true, plumb, level and in strict accordance with the manufacture's directions.

All millwork shall be carefully fitted, securely fastened, and first class in every way.

Mitered joints are required in all casings and unning trim. All trim not terminating at an inside corner including window stools and aprons shall have mitered returns to wall. No butt cuts shall be acceptable.

DIVISION 7 SPECIFICATIONS

INSULATION

MATERIALS

Perimeter Insulation shall be 1" thick (as noted on the drawings), High Density "Styrofoam SM" as manufactured by Dow Chemical Co. or equal.

Batt Insulation in all exterior walls shall be 9-1/2" thick, R-30, Kraft faced with stapling flanges "Fiberglass" as manufactured by Owens-Corning Fiberglass Corp. or equal.

Batt Insulation in all ceilings, as indicated, shd be R-30,

R-30 high density foam insulation (2) 2.5" Gen flex tapered ISO ore equal.

Sill sealer shall be 4" wide x 1/2" thick "Fiberglass" or equal.

PROCEDURES

Mud sill shall be set on sill sealer.

Care shall be taken to chink spaces around doors, windows, and other penetrations full of fiberglass fibers and/or fill with urethane foam sealer.

All insulation shall be installed in accordance with manufacturer's recommendations.

FLASHING AND SHEET METAL

MATERIALS

All roof flashing, counter flashings, scupper and cap flashings shall be 24ga. Galvanized sheet metal.

Valley flashing shall be 24ga. Galvanized sheet metal with center crimp.

Through-wall flashings exposed to weather and at steel lintels shall be 26ga. Galvanized sheet metal as indicated.

Furnish and install all ducts, vents, and weather caps as required for the following appliances and equipment in strict accordance with manufacturer's directions and local, state and national codes:

- * Plumbing vents as required.
- * Toilet exhaust fans as required.
- * Dryer vents.
- * All batt insulation in ceilings shall be installed above all ducts.

PROCEDURES

All materials and workmanship shall be in strict accordance with recommendations of the Sheet Metal Contractor's National Association, Inc., as set forth in the current edition of Standard Practices in Sheet Metal Work, Manuals #1 and #2.

Fabrication, in so far as possible, shall be done in the shop for field installations.

The Contractor shall take and verify all dimensions at the job site, and shall be responsible for the accurate fitting of all work included in this Section.

DIVISION 7 SPECIFICATIONS (CON'D)

SEALANTS

MATERIALS

Sealant shall be acrylic conforming to the requirements of Fed. Spec. TT-S-230, Type II equal to Ohio Sealants, Inc. One-Part Acrylic Sealant Color shall be selected by Owner.

Back-up material shall be closed cell, compressible, non-staining and non-roffing material such as polystyrene, neoprene sponge, or butyl sponge.

PROCEDURES

All joints shall be properly prepared, cleaned, dried, and backed prior to sealant applications.

Sealant shall be applied in a neat and careful manner in strict accordance with the manufacturer's recommendations.

Excess sealant that is allowed to run over the work of other trades shall be removed and surfaces repaired by the Contractor.

ROOFING

Roofing shall be 30# Felt and Berridge Batten seam roof Panels: Kynar 500-coated, roll- formed panels of 24-gage "galvalume" steel sheets designed for mechanical attachment using a concealed batten clip 16" O.C. Color and design to match existing.

DIVISION 8 SPECIFICATIONS

DOORS & FRAMES

MATERIALS

All exterior / interior doors shall be commercial insulated steel doors. Windsor Republic doors or equal.

Exterior: extra heavy duty min. 16 gage, insulate with polystyrene.

Interior: heavy duty min. 18 gage, insulate with polystyrene.

Aluminum threshold and vinyl bottom sweep.

PROCEDURES

Refer to the drawings for size of opening, and the Contractor shall furnish all anchor clips, clip angles, bracing reinforcements, silencers, and other accessories indicated and required for complete and first class installations.

Steel doors shall be fabricated from electro-galvanized steel in accordance with manufacturer's normal standards and accepted industry practice.

All frames shall be finished with one coat of baked on prime coat or rust resistance paint. colors to match existing.

Frames and doors shall be handled with care to prevent damage. The Contractor shall remove all rust spots with steel wool, and spot paint all abrasions with paint to match prime coat finish.

All doors and their frames shall be set true, plumb, level and in strict accordance with the manufacturer's directions.

PROCEDURES

Hardware schedule (4 copies) shall be furnished to the Architect for approval.

Each item of hardware shall be packaged separately in an individual container complete with screws, keys, special wrenches, instructions and installation templates necessary for accurately locating and setting, the number of openings to which the hardware item is to be applied.

Unless otherwise directed, hardware shall be mounted as follows:

* Hinges - Top hinge 9-3/4" from finish door frame. Bottom Hinge - 10-3/8" from finish floor. Middle Hinge - Equidistant from top and bottom.

* Center line of lock and strike - centered in lock rail of door.

* Center line of deadlock and strike - 60" from finish floor.

* Closers - installed in accordance with manufacturer recommendations and template information.

Doors:

Group 1: Privacy latch lock, 3 heavy duty hinges, automatic closer, no Threshold.

Group 2: Overhead door hardware, electric w/ outside override.

Group 3: unican 5 botton combination w/ key bypass, 3 heavy duty hinges, flush bolt, threshold, weatherstrip.

All thresholds & hardware shall meet ADA requirements for accessibility.

DIVISION 9 SPECIFICATIONS

GYPSUM WALLBOARD

MATERIALS

5/8" water resistant gypsum wallboard shall be "USG Sheetrock W/R" or equal.

5/8" fire rated TypeX gypsum wallboard shall be "USG Sheetrock Brand Firecode C" or equal.

1/2" gypsum wallboard shall be "USG Sheetrock " or equal.

Joint treatment shall be "USG Perf-A-Tape" reinforced with "Durabond" joint compound or equal, sanded smooth.

Provide USG 200 Series steel casing where gypsum wallboard abuts dissimilar material. Expansion joints as recommended by the manufacturer.

PROCEDURES

Rated walls shall have gypsum board products installed, fastened and finished in accordance with assembly information detailed on the drawings.

Bathroom and Utility Room walls not otherwise required to be one of the above assemblies shall be "WR" water-resistant rated gypsum board.

DIVISION 9 SPECIFICATIONS (CON'D)

Provide metal casing beads at all gypsum wallboard terminations. Provide metal corner beads at all exterior corners.

All gypsum board surfaces shall be left clean and true to receive paint without further sanding.

All metal and gypsum wallboard materials shall be of the type indicated or required, and the standard products of Georgia-Pacific Corp., Milcor, National Gypsum Co., Penn Metal, U.S. Gypsum Co., or other approved manufacturers.

GYPSUM WALLBOARD

All construction systems and installation procedures for the work required under this Section shall conform to the current recommendations of the material's manufacturer and to the applicable requirements of governing codes, for the particular work.

Debris shall not be allowed to accumulate, and shall be removed at the end of each day's work. At completion of work in each area, the contractor shall remove all excess material, debris and equipment from the completed area, and upon final completion, he shall remove all such items from the entire premises.

All walls and ceilings to receive paint shall be "smooth" finish.

PAINTING

MATERIALS

Exterior work shall be as follows:

* Exterior galvanized sheet metal and steel tubing: One coat metal etch and primer. Two coats metal paint. Color to be selected by Owner.

Interior work shall be as follows:

* Gypsum wallboard and wallboard ceiling:

Paint shall be Sherwin Williams everclean, applied with primer coat and one through finish. Low sheen enamel for all surfaces. colors to be selected by Owners.

MATERIALS

All paint, stain and varnish shall be products of Kwal Howells or approved equal.

All material shall be delivered to the job site in the original, unopened labeled containers. Colors will be selected by Owners.

PROCEDURES

Unless otherwise specified, field painting work of all surfaces shall be covered with at least two coats of paint.

Where one thorough top coat has been specified, that one coat shall be applied to completely and fully cover the surface. Surfaces which do not have uniform color and sheen shall be repainted.

The contractor shall carefully examine all surfaces before application of any paint or stain and report all defects to the General Contractor for correction. After accepting surfaces and starting the painting, the Painting Contractor shall be held responsible for final results.

All surfaces of every kind shall be bone dry, clean, free from dust, dirt, oil, grease, rust and stain at the time paint or sizing is applied.

All minor scratches, cracks and rough spots in gypsum board surfaces shall be filled with spackling compound and sanded smooth and sealed before application of prime coat.

All painting work shall be done by skilled mechanics in a first-class manner, and in strict accordance with the current recommendations of the supplier of the material used.

All paint shall be brushed, sprayed or rolled in even, thorough coats without runs, sags, skips or other blemishes.

Each coat shall be bone-dry prior to application of next coat.

Undercoats of paint shall be colored or tinted to reasonably match the finish coat color.

All joints in wood work, casings and running trim, including juncture trim with adjacent wallboard, shall be neatly filled with latex painter's caulk prior to beginning paint application.

Paint all exposed surfaces of all items to receive paint including tops and bottoms of all doors, tops of all casings and inside all surfaces of all closets.

FLOOR COVERINGS

MATERIALS

Concrete floor to be smooth surface, paint light grey and seal.

All workmanship and material shall conform to best-accepted practices. Any defective workmanship which occurs within one year of the completion date must be corrected at the expense of the Contractor.

STUCCO FINISH SYSTEM

Stucco shall be two-coat system with fiber reinforced scratch/brown coat and elastomeric acrylic finish, by EL REY Stucco (perma-flex) or STO mfg (STO-FLEX) with associated accessories including stucco stop, control joints and drips.

Stucco texture and color to match existing.

DIVISION 16 SPECIFICATIONS

SEE SHEET E1 AND E2



7/13/07
APACHE POINT
OBSERVATORY
SOSS BLDG EXPANSION

PREPARED FOR
ASTROPHYSICAL
RESEARCH CONSORTIUM
SUNSPOT
NEW MEXICO

DATE	PHASE
7/13/07	PERMIT

dv
denton ventures, inc.
architecture • engineering • planning
2480 roadrunner parkway
los cruces, nm 88011
office 505.525.0241
fax 505.525.9405
email dv@dvintel.com



SPECIFICATIONS