

- 3B-2 REINFORCING BARS: Shall conform to ASTM Specifications A615, Grade 40, deformed bars.
- 3B-3 REINFORCING MESH: Shall conform to ASTM Specification A185.

DIVISION FIVE - METALS (See Sheet S-1)

SECTION 5A - STRUCTURAL AND MISCELLANEOUS METALS

- 5A-1 SCOPE: Furnish and install miscellaneous metals as shown and specified.
- 5A-2 MATERIALS:
- Square Tubes, Plates, Anchors: ASTM A-36; Tubing: A-500, Gr. "B", F_y 46 ksi.
 - Bolts and Nuts: ASTM A-307-69, unfinished bolts; ASTM A-325-68 or A-490-67, high strength.
 - Straps: 12 gauge galvanized
 - Paint: Red lead (F.S. TT-P-86e, Type II or Type III).
 - Miscellaneous Iron Items: General: Except as otherwise indicated or included under other headings, all miscellaneous iron and steel items shall be included hereunder and shall be fabricated as light structural angles, tees, bars, channels, plates, rods and similar rolled steel shapes. Bolts, nuts, washers, and other fastening devices required for attaching and securing the work shall also be furnished with all items. Bent or otherwise fabricated bolts, plates, anchors, hangers, dowels, etc. required for securing and anchoring metal to metal, metal to masonry and concrete, shall be provided hereunder.
- 5A-3 SHOP PAINTING: All steel work shall be thoroughly cleaned by effective means of all foreign matter. All welds shall be thoroughly cleaned by wire brushing or other effective means of all slag and burned material. Except where encased in concrete, all steel members shall be given one shop coat of red lead paint.

DIVISION SIX - CARPENTRY

DIVISION 6A - ROUGH CARPENTRY

- 6A-1 SCOPE: All rough carpentry and framework, rough hardware, as indicated on Drawings.
- 6A-2 MATERIALS: Lumber: Grade mark in accordance with provisions of "Wood Handbook" of Forest Products Laboratory, U.S. Department of Agriculture for softwood dimension and timbers. All lumber to be S4S unless specifically shown otherwise.
- 6A-3 HARDWARE: Furnish and install all required rough hardware, consisting of nails, spikes, bolts, screws, tacks, dowels, joints, etc.
- 6A-4 FRAMING: True and straight throughout conforming to details shown. Double studs at window and door openings unless detailed otherwise. Studs are to be full length. Install firestops, bridging, bracing and blocking as shown or noted. Joints for wall sheathing are to be entered on bearings and parallel thereto. Provide blocking for all stud walls at mid-height of stud and of same size as stud.

SECTION 6B - FINISH CARPENTRY

- 6B-1 SCOPE: All finish carpentry as indicated on Drawings. If definite details not shown, work is to conform to best trade practices. Install wood trim in longest lengths practicable, single lengths where possible. All joints "single-cut".
- 6B-2 MATERIALS:
- 2x10, 1x6, 2x2 and 1x4 trim: Paint grade pine
 - Door and window trim: Paint grade pine as shown on drawings or to match existing.
 - Wainscoting: 3/8" hardwood plywood paint grade with hardwood edge band.
- 6B-3 PLASTIC LAMINATE: Wilsonart brand, #6. See Drawings for color specifications.

SECTION 6C - ARCHITECTURAL CABINET WORK

- 6C-1 All cabinet work to be W.I.C. custom paint grade pine/birch plywood. Fabrication to be solid face frames as indicated on Drawings with flush overlaid doors.
- Cabinet Hardware:
 - Adjustable shelf brackets: K-V #255 standard with #256 brackets, bronze finish
 - Cabinet hinges: Stanley #335, pivot, US10B
 - Cabinet catches: Stanley #46, magnetic
 - Drawer and door pulls: Stanley #4483, US10B
 - Drawer slides: Grant #329, full extension slide
 - Shelving: 1/4" paint grade medium density with edge banding when exposed.

DIVISION SEVEN - THERMAL AND MOISTURE PROTECTION

SECTION 7A - SHEET METAL WORK

- 7A-1 SCOPE: All sheet metal work not otherwise specified, such as flashing, counter flashing where required.
- 7A-2 MATERIALS:
- Sheet Metal: Armco "Paintgrip", U.S.S. "Galvalneal", or equal. Flashings not exposed to view may be commercial quality galvanized iron.
 - Solder: ASTM B32-21, Class "A-1". Flux to be raw muriatic acid.
 - Nails: 12 gauge, 7/8" galvanized
 - Downspouts and Gutters: 24 gauge galvanized iron
- 7A-3 INSTALLATION: All to be weather and watertight. All sheet metal to be riveted, or lock jointed, blind nailed or screwed and soldered in a secure and strong manner.

SECTION 7B - CAULKING

- 7B-1 SCOPE: Furnish and install all caulking compound (sealant) and related items necessary to complete the work on the Drawings.
- 7B-2 MATERIALS: Geocel Construction, 2000 caulking sealant.

DIVISION EIGHT - DOORS AND WINDOWS

SECTION 8A - WOOD DOORS

- 8A-1 Solid core exterior wood doors shall be W.I.C. Custom Grade. Paint grade 1-3/4" thick.
- 8A-2 Solid core interior doors shall be 20 minutes, W.I.C. Custom Grade, paint grade, 1-3/4" thick.
- 8A-3 Closet doors: Shall be W.I.C. Custom Grade, hollow-core, 1-3/8" thick, paint grade.

SECTION 8B - METAL FRAMES

- 8B-1 METAL FIRE RATED FRAMES: Frames for fire-rated openings shall conform to the requirements of the Underwriters' Laboratories Inc., for Class "C" (3/4 hour) openings. The label of the Underwriters' Laboratories will be accepted as evidence of conforming to this requirement. The Underwriters' Laboratories authorized labeled construction details shall take precedence over indicated or specified details.
- 8B-2 APPLICATION:
- Frames: Frames shall be accurately set in position, plumbed, aligned, and braced securely until permanent anchors are set. The bottom of frames shall be anchored securely to floors with expansion bolts or with powder-driven fasteners. Wall anchors shall be built-in or secured to adjoining constructions as indicated or required by adjoining construction.
 - Labeled Doors and Frames: Installation of labeled doors and frames, including hardware and operational characteristics shall be in accordance with NFPA "Standard for Installation of Fire Doors and Windows" and NFPA Pamphlet #101.

SECTION 8C - WINDOWS

- 8C-1 Existing windows: Shall all operate and have wood shades unless otherwise noted. Repair or replace. Weatherstrip and caulk to provide minimum air infiltration.
- 8C-2 New Wood Windows: Furnish and install wood windows as manufactured by Marvin Windows with double pane insulating glass. Finish to be paint grade exterior and interior. Install per manufacturer's instructions.

SECTION 8D - HARDWARE

- 8D-1 SCOPE: Furnish all labor, materials, equipment and services necessary to provide all finish hardware, complete in place, as shown and specified.
- 8D-2 ITEMIZED LIST: The following is a partial list of hardware for this project. The Contractor is responsible for furnishing hardware for every door shown on the Drawings. Provide two (2) keys per lock. Keying to be as required by Owner. All deadbolts, cylinders, latches and levers to be Schlage; threshold to be Penko; stops, surface bolts, push plates and pulls to be Builders' Brass Works unless otherwise specified. All finishes to be 260.

- Exterior Entry Doors: One (1) "Monarch" Basic Device Panic Hardware F-XX-R-BA; Deadbolt #B464; Hinges #741, 1/2 pair (4"x4"); One (1) Closer "Norton" Top Jamb Series J1604.
- Interior Solid Core Doors: One (1) Latchset A405; "Levon" hinges #741 1 pair; Closer "Norton" Top Jamb Series J1603; Stop W-812.
- Interior Hollow Core Doors: One (1) Latchset A205 "Levon"; Hinges #741 1 pair (3 1/2"x3 1/2"); Surface Bolt #97 aluminum 4".

SECTION 8E - MIRRORS

- 8E-1 SCOPE: Furnish and install all mirrors and related items necessary to complete the work on the Drawings.
- 8E-2 MATERIALS: 1/4" thick to be directly adhered as indicated on the Drawings.

DIVISION NINE - FINISHES

SECTION 9A - GYPSUM DRYWALL

- 9A-1 INSTALLATION: Install gypsum panels and accessories in accordance with the manufacturer's current published Construction Standards for Gypsum Drywall and Joint Treatment.
- 9A-2 MATERIALS:
- 1/2" Type "X"
 - 1/2"
 - 5/8" Type "X"
 - 1/2" waterproof WP
- 9A-3 GENERAL: All areas to have a spray textured finish. Provide all external corners with metal corner beads. Provide metal trim where drywall butts other materials. Submit textured finish to Architect for approval before application.

SECTION 9B - SHEET VINYL FLOORING AND COVED BASE

- 9B-1 SCOPE: Furnish and install all sheet vinyl and coved base and related items as shown on Drawings and specified herein.
- 9B-2 MATERIALS: .085 gauge Armstrong Vinyl Custom Corlon with Hydrocord back. Pattern and color to be "Best of Both Worlds" #86009.
- 9B-3 INSTALLATION: Securabond Installation System with S-200 under the seams. Install in accordance with Armstrong Resilient Flooring Installation Recommendations Booklet F-5061.

SECTION 9C - CARPETING

- 9C-1 SCOPE: Furnish and install all carpet and related items necessary as shown on Drawings and specified herein.
- 9C-2 INSTALLATION: Direct glue-down system. The carpet installer should be a qualified professional experienced in this process. All floor surfaces must be filled and/or ground smooth, as necessary; all surfaces must be thoroughly dry and free of wax or dust at the time of adhesive application. Preparation for seaming method must be carefully made with particular attention given to proper cutting.
- 9C-3 MATERIALS:
- Carpet Cambay Mills "Atwood 24" with 100% polypropylene primary backing and "Action Bac" secondary backing. Color #7375 Dutch Blue.
 - Adhesive: Suitable adhesive, non-toxic, developed especially for direct glue-down system used in accordance with manufacturer's recommendations as to the coverage rate, the type of spreader to use, and the allowable open time.

SECTION 9D - VINYL COMPOSITION TILE

- 9D-1 SCOPE: Furnish and install all vinyl composition tile and related items necessary as shown on Drawings and specified herein in accordance with the manufacturer's specifications.
- 9D-2 MATERIALS:
- Armstrong Imperial Texture Excelon Tile, 1/8" gauge. Color # 51905, Hazelnut.
 - All adhesives and levelling compounds shall be those recommended by the flooring manufacturer to suit the grade level and sub-floor conditions.
- 9D-3 PREPARATION: Concrete shall be smooth with no more than 1/8" variation from the plane within any 10 feet and other irregularities shall be ground down. All cracks, holes and depressions shall be filled with latex cement underlayment (patching compound) as recommended by the flooring manufacturer. Sub-floor shall be broom or vacuum cleaned prior to the installation of the flooring material.

SECTION 9E - WALL BASE

- 9E-1 SCOPE: Furnish and install all wall base and related items necessary as shown on Drawings and specified herein in accordance with manufacturer's specifications.
- 9E-2 MATERIALS:
- Armstrong Standard Vinyl Wall Base, 4" high in .080" gauge. Color #120, Hazelnut.
 - Install with Armstrong S-285 wall base adhesive.

SECTION 9F - PAINTING (THIS CONTRACT IS FOR INTERIOR ONLY)(ALL PAINTS TO BE NON-TOXIC)

- 9F-1 Prepare surface to be painted in accordance with the manufacturer's specifications. All wood areas to be painted should be scraped or sanded, or use a paint and varnish remover to remove all loose, peeling, alligatoring or crazed paint. All nail holes and cracks should be filled including sash puttying after the first coat of primer has been applied. Spot-prime all patched areas. Metal surfaces should be scraped or wire-brushed to remove all rust, loose or peeling paint. Block wall should be scraped or wire-brushed to remove loose, peeling or chalky paint.
- All coatings should be applied in accordance with manufacturer's printed instructions
- Paints, stains, varnishes or other coatings required shall be "Best Grade" or "First Line" products of Dunn-Edwards and Olympic or approved equal.
- Interior Drywall: One (1) coat PVA sealer. Two (2) coats Latex semi-gloss enamel.
 - Block Wall: One (1) coat Latex block filler. Two (2) coats Latex semi-gloss enamel.
 - Interior Wood (Painted): One (1) coat enamel undercoat. Two (2) coats semi-gloss enamel.
 - Interior Metal: One (1) coat metal primer. One (1) coat enamel undercoat. One (1) coat semi-gloss enamel (grille, exposed piping, exposed conduit).

SECTION 9F-2 COLORS:

- 9F-2 COLORS: All colors shall be selected by the Architect as shown in Drawings. Architect to field verify any discrepancies. Exterior colors to match existing.

SECTION 9G - BULLETIN BOARD

- Furnish and install 3/4" thick Armstrong Soundsoak "Encore" Collection where noted on the Drawings. Cut to fit. Install per manufacturer's instructions. Color to be Quartz.

DIVISION 10 - SPECIALTIES

SECTION 10A - TOILET AND BATH ACCESSORIES

- 10A-1 SCOPE: Furnish all toilet accessories as shown on the Drawings and specified herein.
- 10A-2 MATERIALS:
- Mirror: (2) Bobrick B-292, 2448
 - Paper Towel Dispenser: (2) Bobrick B-263, surface mounted.
 - Toilet Tissue Dispenser: (2) Bobrick B-266, surface mounted.
 - Grab Bars: (1) Bobrick B-6106 x 36" horizontal
(1) Bobrick B-6106 x 48" horizontal

DIVISION ELEVEN - RESIDENTIAL EQUIPMENT

- 11A-1 Provide an allowance of \$2,000 for the following:
- Refrigerator, 17.0 cu. ft. minimum
 - Microwave, 1.4 cu. ft. minimum
 - Garbage Disposal
 - Dishwasher

DIVISION FIFTEEN: SEE GENERAL NOTES, SHEET A-2