

SUBMITTALS

REQUIRED SUBMITTALS

Contractor is to provide at a minimum but not limited to the following submittals for review and approval by the architect and/or MEP+FP consultants prior to procurement or installation of any such materials:

- Door, Frame and Hardware schedules, product data and cut sheets
 - Light Fixture cut sheets
 - Millwork shop drawings and physical samples of all materials being used
 - Physical samples and product data of all finish materials including but not limited to paint, glass, ceilings, floor transitions, wall base, etc
- flooring,
- Electrical and low-voltage device product data
 - Appliances
 - Poke-thru devices
 - Audio/Visual device product data
 - Fire Sprinkler component product data
 - Life Safety Device product data

Contractor to provide complete proposed submittal list to architect and MEP+FP consultant for review and comment prior to commencement of submittal process.

SPECIFICATIONS

DIVISION 09 - FINISHES

09 91 23 Interior Painting

This Section includes interior painting.

Submittals: Provide product data for each scheduled product.
Provide stepped samples on hardboard or carboard, three for each color.

Quality Assurance

Applicator Qualifications: Engage an experienced applicator who has completed painting system applications similar in material, design, and extent to those indicated for this Project, whose work has resulted in applications with a record of successful in-service performance.

Manufacturers: Subject to compliance with requirements, provide products of one of the following: Benjamin Moore & Co. (Benjamin Moore). Duron Paints & Wallcoverings (Duron). M. A. Bruder & Sons, Inc. (M. A. B. Paint). PPG Industries, Inc. (Pittsburgh Paints). Sherwin-Williams Co. (Sherwin-Williams).

Paint Materials, General

Material Compatibility: Provide block fillers, primers, and finish-coat materials that are compatible with one another and with the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.

VOC Classification: Provide materials, including primers, undercoats, and finish-coat materials, that meet the following criteria for VOC classification: 100 grams/liter or less for flat coatings. 150 grams/liter or less for non-flat coatings.

Material Quality: Provide manufacturer's best-quality paint material of the various coating types specified that are factory formulated and recommended by manufacturer for application indicated. Paint-material containers not displaying manufacturer's product identification will not be acceptable.

Proprietary Names: Use of manufacturer's proprietary product names to designate colors or materials is not intended to imply that products named are required to be used to the exclusion of equivalent products of other manufacturers. Furnish manufacturer's material data and certificates of performance for proposed substitutions.

Colors: Provide custom colors of the finished paint systems to match Architect's samples.

Preparation

Surface Preparation: Clean and prepare surfaces to be painted according to manufacturer's written instructions for each particular substrate condition and as specified. Provide barrier coats over incompatible primers or remove and reprime.

Examination

Examine substrates, areas, and conditions, with Applicator present, for compliance with requirements for paint application. Proceed with paint application only after unsatisfactory conditions have been corrected and surfaces receiving paint are thoroughly dry.

Application

General Application: Apply paint according to manufacturer's written instructions. Use applicators and techniques best suited for substrate and type of material being applied.

Application Procedures: Apply paints and coatings by brush, roller, spray, or other applicators according to manufacturer's written instructions.

Minimum Coating Thickness: Apply paint materials no thinner than manufacturer's recommended spreading rate to achieve dry film thickness indicated. Provide total dry film thickness of the entire system as recommended by manufacturer.

Completed Work: Match approved samples for color, texture, and coverage. Remove, refinish, or repair work not complying with requirements.

Cleaning

Cleanup: At the end of each workday, remove empty cans, rags, rubbish, and other discarded paint materials from Project site. After completing painting, clean glass and paint-spattered surfaces. Remove spattered paint by washing and scraping without scratching or damaging adjacent finished surfaces.

Protection

Protect work of other trades, whether being painted or not, against damage from painting. Correct damage by cleaning, repairing or replacing, and repainting, as approved by Architect.

Provide "Wet Paint" signs to protect newly painted finishes. After completing painting operations, remove temporary protective wrappings provided by others to protect their work. After work of other trades is complete, touch up and restore damaged or defaced painted surfaces. Comply with procedures specified in PDCA P.1.

Painting Systems Interior

Wallboard: Prime and two finish coats of latex eggshell.

Gypsum board ceilings: Prime and two finish coats of flat latex.

Metals: Prime and two finish coats latex semi-gloss.

Wood doors indicated for field painting: Prime and two finish coats latex semi-gloss.

DIVISION 10 - SPECIALTIES

10 44 00 Fire-Protection Specialties

This Section includes portable fire extinguishers and recessed fire extinguisher cabinets.

Submittals: Product Data Sheets

Fire extinguisher cabinets: Semi-recessed cabinets with vertical duo panel doors with tempered glass and surface applied identification of use graphics.

Fire extinguishers: Provide as required by local jurisdiction.

DIVISION 11 - EQUIPMENT

11 31 00 Pantry Appliances

This Section includes pantry appliances.

Submittals: Provide product data and roughing in diagrams for each type of appliance required indicating compliance with requirements. Include complete operating characteristics, dimensions of individual appliances, finishes for each appliance, and maintenance instructions for each appliance.

Quality Assurance: UL and NEMA Compliance: Provide electrical appliances that are listed and labeled by UL and that comply with applicable NEMA standards.

Pantry Appliances: Provide product listed in Equipment Schedules and on the Drawings.

Installation: Comply with manufacturer's written instructions.

SPECIFICATIONS

09 68 16 Sheet Carpeting

This Section includes sheet carpeting.

Submittals: Provide Samples for each type and color of broadloom carpet scheduled.

Quality Assurance: Except as modified by governing codes and by the Contract Documents, comply with the applicable provisions and recommendations of the following: The Carpet and Rug Institute "The Carpet Specifiers' Handbook." The Carpet and Rug Institute "CRI 104 Commercial Carpet Installation Standard."

Installer Qualifications: Engage a carpet installer, who has completed a minimum of three (3) projects over the last 10 years which were similar in material, design and extent to that indicated for the project - as determined by the Architect - and which have resulted in construction with a record of successful in service performance.

Delivery, Storage, And Handling: Comply with CRI 104, Section 5, "Storage and Handling."

Project Conditions: Environmental Limitations: Do not install carpet until wet work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use. Do not install carpet over concrete slabs until slabs have cured and are sufficiently dry to bond with adhesive and concrete slabs have pH range recommended by carpet tile manufacturer.

Carpet Types: Provide commercial grade broadloom carpet for 100% glue down installation as scheduled.

Installation Accessories

Trowelable Leveling and Patching Compounds: Portland cement-based formulation provided by or recommended by carpet tile manufacturer. Do not use gypsum based compounds.

Carpet Adhesives: Water-resistant, mildew resistant, and nonstaining, high solids, low VOC emitting formulations that are specifically recommended by the carpet manufacturer, as verified through compatibility and adhesion testing for the intended substrate and application, and that comply with flammability requirements for installed carpet.

Carpet Edging: Provide homogenous vinyl or rubber composition carpet edging in single lengths wherever possible, keeping the number of joints or splices to a minimum. Provide in quantities and locations as job required based upon the recommended good practice of the industry, include in every location where carpet terminates and other flooring continues. Color to match adjacent carpet types.

Floor Sealer: Type as recommended and manufactured by the carpet tile manufacturer for the applications indicated.

Preparation

Examine the substrates, adjoining construction and the conditions under which the Work is to be installed. Verify recommended limits for moisture content and alkalinity of concrete substrates with carpet manufacturer.

Installation

100% Direct Glue Down of Broadloom Carpet: Comply with the manufacturer's instructions, specified industry standards and recommendations. Apply adhesive in accordance with adhesive manufacturer's directions.

Adhere carpet with a full spread of adhesive. Ensure uniform bond over the entire area. Roll carpet uniformly, removing air pockets and bubbles.

Edge Strip Installation: Install edge strip at every location where edge of carpet is exposed to traffic, unless otherwise indicated. Unless otherwise directed by Architect install in single lengths and secure in accordance with manufacturer's directions.

Traffic over adhesive installations shall be restricted until adhesive has properly cured in accordance with the adhesive manufacturers recommendations.

Cleaning and Protection

Cleaning: As the carpeting is installed, remove and dispose of all trimmings, excess pieces of carpeting and laying materials from each area as it is completed. Vacuum carpeting with a commercial vacuum, having a cylindrical brush or beater bar and high suction. Remove adhesives, stains, and soil spots in accordance with the carpet manufacturers recommendations.

Protection: Protect carpeting against damage of every kind as damaged carpeting shall be rejected. Use non-staining cover material for protection. Tape joints of protective covering. Plastic and polyethylene sheet protective coverings shall not be permitted.

Remove and replace rejected carpeting with new carpeting. At the completion of the work and when directed by the Architect, remove covering, vacuum clean carpeting and remove soiling and stains (if any) to the satisfaction of the Architect.

SPECIFICATIONS

DIVISION 09 - FINISHES

09 65 19 Resilient Tile Flooring

This Section includes vinyl composition tile.

Submittals: Provide Samples for each type and color of resilient tile flooring scheduled.

Project Conditions: Comply with resilient tile manufacturer's installation instructions.

Vinyl Composition Tile (VCT): ASTM F 1066.

Class: 2 (through-pattern tile).

Thickness: 0.125 inch.

Size: 12 by 12 inches.

Installation Materials

Trowelable Leveling and Patching Compounds: Latex-modified, portland cement based formulation provided or approved by resilient product manufacturer for applications indicated.

Adhesives: Water-resistant type recommended by manufacturer to suit resilient products and substrate conditions indicated.

Vinyl Composition Tile Protective Floor Polish: Product recommended by manufacturer to suit resilient products indicated.

Preparation

Prepare concrete substrates according to manufacturer's written recommendations to ensure adhesion of resilient products.

Concrete Substrates: Prepare concrete substrates as follows:

Verify that substrates are dry and free of curing compounds, sealers, and hardeners.

Alkalinity and Adhesion Testing: Perform tests recommended by manufacturer. Proceed with installation only after substrates pass testing.

Moisture Testing:

Perform anhydrous calcium chloride test, ASTM F 1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. (1.36 kg of water/92.9 sq. m) in 24 hours.

Perform tests recommended by manufacturer. Proceed with installation only after substrates pass testing.

Sweep and vacuum clean substrates to be covered by resilient products immediately before installation.

Installation: Install floor tile according to manufacturer's written installation instructions.

Cleaning and Protection

Perform the following operations immediately after completing resilient product installation:

Remove adhesive and other blemishes from exposed surfaces.

Sweep and vacuum surfaces thoroughly.

Damp-mop surfaces to remove marks and soil.

Do not wash or apply floor polishes until flooring adhesives have cured unless otherwise recommended by the flooring manufacturer.

Protect resilient products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period. Use protection methods recommended in writing by manufacturer.

Apply protective floor polish to horizontal surfaces that are free from soil, visible adhesive, and surface blemishes using methods as recommended in writing by the floor polish manufacturer. Apply no fewer than 2 coats of floor polish unless additional coats are recommended by the floor polish manufacturer for the application indicated. Use commercially available product acceptable to manufacturer.

Cover products installed on horizontal surfaces with undyed, untreated building paper until Substantial Completion.

DIVISION 09 - FINISHES

09 68 13 Tile Carpeting

This Section includes carpet tile.

Submittals: Provide Samples for each type and color of carpet tile scheduled.

Quality Assurance: Except as modified by governing codes and by the Contract Documents, comply with the applicable provisions and recommendations of the following: The Carpet and Rug Institute "The Carpet Specifiers' Handbook." The Carpet and Rug Institute "CRI 104 Commercial Carpet Installation Standard."

Installer Qualifications: Engage a carpet installer, who has completed a minimum of three (3) projects over the last 10 years which were similar in material, design and extent to that indicated for the project - as determined by the Architect - and which have resulted in construction with a record of successful in service performance.

Delivery, Storage, And Handling: Comply with CRI 104, Section 5, "Storage and Handling."

Project Conditions: Environmental Limitations: Do not install carpet tile until wet work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use. Do not install carpet tile over concrete slabs until slabs have cured and are sufficiently dry to bond with adhesive and concrete slabs have pH range recommended by carpet tile manufacturer.

Carpet Tile Types: Provide manufacturers commercial grade carpet tile for 100% glue down installation as scheduled.

Installation Accessories

Trowelable Leveling and Patching Compounds: Portland cement-based formulation provided by or recommended by carpet tile manufacturer. Do not use gypsum based compounds.

Carpet Adhesives: Water-resistant, mildew resistant, and nonstaining, high solids, low VOC emitting formulations that are specifically recommended by the carpet manufacturer, as verified through compatibility and adhesion testing for the intended substrate and application, and that comply with flammability requirements for installed carpet.

Carpet Edging: Provide homogenous vinyl or rubber composition carpet edging in single lengths wherever possible, keeping the number of joints or splices to a minimum.

Floor Sealer: Type as recommended and manufactured by the carpet tile manufacturer for the applications indicated.

Preparation

Examine the substrates, adjoining construction and the conditions under which the Work is to be installed. Verify recommended limits for moisture content and alkalinity of concrete substrates with carpet manufacturer.

Installation

General: Comply with the manufacturer's instructions, specified industry standards and recommendations, and as required to match the accepted sample installations. Apply adhesive in accordance with adhesive manufacturer's directions.

Adhere all full size, perimeter tiles, and cut tiles, with a full spread of adhesive. Dry fit cut tiles and apply adhesive to the back after tile has been cut. Use full uncut tiles down the center of corridors and, where necessary, cut perimeter tiles to butt walls.

Butt carpet tile tightly together to form seams without gaps or entrapped pile yarns and aligned with adjoining tiles.

Edge Strip Installation: Install edge strip at every location where edge of carpet is exposed to traffic, unless otherwise indicated. Unless otherwise directed by Architect install in single lengths and secure in accordance with manufacturer's directions.

Traffic over adhesive installations shall be restricted until adhesive has properly cured in accordance with the adhesive manufacturers recommendations.

Cleaning and Protection

Cleaning: As the carpeting is installed, remove and dispose of all trimmings, excess pieces of carpeting and laying materials from each area as it is completed. Vacuum carpeting with a commercial vacuum, having a cylindrical brush or beater bar and high suction. Remove adhesives, stains, and soil spots in accordance with the carpet manufacturers recommendations.

Protection: Protect carpeting against damage of every kind as damaged carpeting shall be rejected. Use non-staining cover material for protection. Tape joints of protective covering. Plastic and polyethylene sheet protective coverings shall not be permitted. Remove and replace rejected carpeting with new carpeting. At the completion of the work and when directed by the Architect, remove covering, vacuum clean carpeting and remove soiling and stains (if any) to the satisfaction of the Architect.

SPECIFICATIONS

DIVISION 09 - FINISHES

09 51 13 Acoustical Panel Ceilings

This Section includes acoustical panels and exposed suspension systems for ceilings.

Submittals: Provide product data for each product specified.

Assembly Performance Requirements

In areas where gypsum wallboard partitions are dependent on the ceiling suspension system for lateral support, design and install suspension system components to sustain the imposed load from the completed partition system including a minimum inward and outward pressure of 5 psf normal to the plane of the wall.

Quality Assurance

Installer Qualifications: Engage an Installer, with not less than 5 years experience in the installation of materials specified, and who has completed acoustical panel ceilings similar in material, design, and extent to that indicated for this Project with a record of successful in-service performance.

Source Limitations: Obtain each type of acoustical ceiling panel and supporting suspension system through one source from a single manufacturer.

Project Conditions

Environmental Limitations: Do not install acoustical panel ceilings until wet work (painting, drywall, interior tilework, and concrete leveling) in spaces is complete and dry, work above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

Metal Suspension Systems

Metal Suspension System Standard: Provide manufacturer's standard direct-hung metal suspension systems of types, structural classifications, and finishes indicated that comply with applicable requirements in ASTM C 635.

Metal Edge Moldings and Trim

Type and profile indicated or, if not indicated, manufacturer's standard moldings for edges and penetrations that fit acoustical panel edge details and suspension systems indicated; formed from sheet metal of same material, finish, and color as that used for exposed flanges of suspension system runners; provide in longest standard single piece lengths.

Clips: Provide support clips, clamps, fasteners, splines, and other attachment devices as required to align components and to connect components and transfer imposed loads of suspension system.

Installation

General: Install acoustical panel ceilings to comply with ASTM C 636 and seismic requirements indicated, per manufacturer's written instructions and CISCAs "Ceiling Systems Handbook," and as required to match the accepted sample installation.

Install acoustical panels with undamaged edges and fit accurately into suspension system runners and edge moldings. Run grain of units in one direction as accepted on shop drawings. Scribe and cut panels at borders and penetrations to provide a neat, precise fit.

For reveal-edged panels on suspension system members with box-shaped flanges, install panels with reveal surfaces in firm contact with suspension system surfaces and panel faces flush with bottom face of runners.

09 65 13 Resilient Base and Accessories

This Section includes resilient wall base and transition strips.

Submittals: Provide Samples for each type and color of resilient base and accessory scheduled.

Project Conditions: Comply with resilient base manufacturer's installation instructions.

Wall Base: Complying with ASTM F 1861.

Type (Material Requirement): TS (rubber, vulcanized thermoset).

Group (Manufacturing Method): 1 (solid).

Style: Cove (with top-set toe) at resilient and hard floor surfaces; Straight (toeless) at carpet.

Minimum Thickness: 0.125 inch.

Lengths: Provide all resilient wall base in continuous coils for minimum field butt joints.

Outside and Inside Corners: Job formed.

Resilient Molding Accessory

Description: Reducer strip for resilient floor covering

Material: Rubber or Vinyl.

Profile and Dimensions: As indicated on the drawings.

Resilient Wall Base Installation

Install wall base according to manufacturer's written installation instructions.

Apply wall base to walls, columns, pilasters, casework and cabinets in toe spaces, and other permanent fixtures in rooms and areas where base is required.

Install wall base in lengths as long as practicable without gaps at seams and with tops of adjacent pieces aligned.

Tightly adhere wall base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.

Do not stretch wall base during installation.

Job-Formed Corners:

Outside Corners: Use straight pieces of maximum lengths possible. Form without producing discoloration (whitening) at bends. Shave back of base at points where bends occur and remove strips perpendicular to length of base that are only deep enough to produce a snug fit without removing more than half the wall base thickness.

Inside Corners: Use straight pieces of maximum lengths possible. Form by cutting an inverted V-shaped notch in toe of wall base at the point where corner is formed. Shave back of base where necessary to produce a snug fit to substrate.

Resilient Accessory Installation

Resilient Molding Accessories: Butt to adjacent materials and tightly adhere to substrates throughout length of each piece. Install reducer strips at edges of floor coverings that would otherwise be exposed.

Cleaning and Protection: Remove adhesive and other blemishes from exposed surfaces.

Schedule each wall base and resilient accessory required.

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| Date | Description |
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Seal / Signature

Project Name

URS - PORTLAND

Project Number

59 6222 900

Scale

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Description

SPECIFICATIONS

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