

DIVISION 9 — FINISHES CONT.

B. Materials are to be stored in the following manner:
 1. Storage area is to be dry and protected from the elements.
 2. Ambient temperature must be maintained between 70 and 90 degrees Fahrenheit.
 3. Under no circumstances is the construction company to store products and materials in an area exposed to rain, snow or the elements. NO EXCEPTIONS WILL BE MADE. B&H Commercial Services, Inc. is not responsible for product damage or losses incurred due to inadequate storage conditions.

1.5. PROJECT CONDITIONS
 A. Areas to be installed must maintain a minimum temperature of 70 degrees Fahrenheit both 24 hours prior to and 24 hours following installation of First Choice® thermoplastic flooring materials.
 B. Installation of flooring materials will not commence until said materials have acclimated to the same temperature as the area to be installed. This should be taken into consideration when choosing where to store flooring material and related accessories.
 C. Areas to be installed are to be closed to traffic during installation of flooring materials. They are operable as soon as the installation crew has completed and vacated the scheduled area.

1.6. CONSTRUCTION SEQUENCING AND SCHEDULING
 A. Floor covering installation will commence only upon the completion of other "finishing" operations. This includes; drain work, wall construction, wiring, painting and FRP installation. NO EXCEPTIONS WILL BE MADE.
 B. Floor covering installation will commence over concrete slabs only when slab is determined to be fully cured and sufficiently free of moisture (dry) to insure proper bonding between adhesives, substrate and materials to be installed. (As set forth by B&H Commercial Services, Inc. recommended bond and moisture testing requirements).
 2.1. MANUFACTURER/CONTRACTOR INFORMATION:
 A. All products incorporated in an installation of First Choice® thermoplastic sheet flooring are subject to compliance with floor covering requirements as provided by B&H Commercial Services, Inc. Raleigh, NC. Tel: (919) 852-5279; Fax (919) 852-5281.
 B. First Choice FLOORING, WELDING ROD AND ADHESIVES supplied by B & H Commercial Services..

2.2. RESILIENT FLOOR COVERING INFORMATION:
 A. Resilient Floor Covering: Is manufactured from 100% recycled thermoplastic polyvinylchloride, interlaced with nylon strand reinforcements.
 B. Sheet PVC Floor Coverings First Choice® thermoplastic sheet material in 5'X8' dimensions and 1/4" thick shall be provided to the client. Top surface pattern to be (Stipple) Finish back (Gloss). Color to be selected from B&H Commercial Services, Inc. standard available colors. (See B&H Commercial Services, Inc. Manual-Production Information for list of available colors).
 C. Wall Base/Inside and Outside Corners will be custom fabricated using the First Choice® Thermoplastic Sheet Flooring material. Wall Base/Corners to be a minimum height of six (6) inches.

2.3. INSTALLATION ACCESSORIES
 A. Concrete Slab Primer: Non-staining as recommended by B&H Commercial Services, Inc. for new construction and installation on second level floors.
 B. Trowel Application Underlayment and Patching Compounds: Acrylpatch, Latex-modified Portland-cement based formulation provided and approved by B&H Commercial Services, Inc. prior to installation.
 C. Adhesives (Cements): Stabilized water-resistant Two-part Epoxy as recommended by B&H Commercial Services, Inc. for floor covering products and substrates indicated. A Fast Curing Polyurethane Adhesive as recommended by B&H Commercial Services for application of Wall Board (Cove Base). A Non-sagging, high performance industrial adhesive as recommended by B&H Commercial Services for application along top of Aluminum Edge Flashing (Cove Cap).
 D. Seam Sealer: Supplied and approved by B&H Commercial Services, Inc. if needed.
 E. Heat Welding Rod for Seams: Supplied and approved by B&H Commercial Services, Inc. in color matching field color of sheet flooring to be installed. Welding Rod to be a minimum of 5.75mm in diameter and made with thermoplastic pvc.
 F. Aluminum Edge Flashing (Cove Cap) Manufactured from extruded .050 gauge, aluminum with mill finish of width and height required to adequately protect edge of floor covering surfaces. These are installed in maximum available length to minimize visible joints. Installed using stainless steel screws. (See B&H Commercial Services, Inc. Manual-Installations).
 G. Stainless Steel Drain Rings/Trough Drain Rings/Corner Angle Guards: Manufactured from .060 16 gauge, Stainless Steel with countersunk screw holes. Square drain rings to have rounded corners. All drain rings to be one piece construction and absent of any welds and joints. Installed using stainless steel screws and solid lead anchors. (See B&H Commercial Services, Inc. Manual-Installations).
 H. Transition Strips: Manufactured from .075 16 gauge, Stainless Steel with countersunk screw holes. Installed using stainless steel screws and solid lead anchors. (See B&H Commercial Services, Inc. Manual-Installations).

3.1. EXAMINATION
 A. General: Examine areas where First Choice® thermoplastic flooring installation will occur. Construction Superintendent shall be present to verify substrates and site conditions are in compliance with requirements of B&H Commercial Services, Inc. (See B&H Commercial Services, Inc. Manual-Installations-New Construction Checklist).
 B. Concrete Sub-floors:
 1. Verification that slab substrate is dry and free of curing compounds, sealers, hardeners, or other materials interfering with bonding of adhesive to substrate material. Adhesion and dryness characteristics are confirmed by performing bond and moisture tests recommended by B&H Commercial Services, Inc.
 a. Sub-Floor finishes must comply with tolerances and other stipulations as specified in B&H Commercial Services, Inc. Manual-Installation-New Construction Checklist-Item #3.
 b. Sub-Floors are to be free of cracks, ridges, depressions, scale and foreign deposits of any kind.
 2. Wood Sub-floors:
 a. Wood underlay installed over substrate materials must comply with specified requirements of B&H Commercial Services, Inc. ONLY kiln dried marine grade plywood may be utilized. Underlays are to be secured with 2 1/2" galvanized screws. NO EXCEPTIONS WILL BE MADE.
 b. Underlay surfaces are to be free of irregularities and foreign materials potentially interfere with adhesive bonding, may stain installed floor coverings or be visible through flooring surface.

3.2. PREPARATION
 A. General: Complies with B&H Commercial Services, Inc. installation specifications to preparing substrate materials indicated for install of First Choice® thermoplastic floor coverings. (See B&H Commercial Services Manual-Installation-New Construction).
 B. Use trowel application leveling and patching compounds meeting requirements of B&H Commercial Services, Inc. for direction of crack fillings, holes and depressions in concrete substrate.
 C. Substrate Coating Removal: all curing compounds, detergents, wax, oil, grease, silicone or other substances incompatible with adhesive bonding are to be removed. This may be performed with trazzox or concrete grinder, a drum sander, or polishing machine equipped with a heavy-duty wire brush attachment.
 D. Substrates to be installed with First Choice® flooring must be cleaned immediately before installation commences. This should be performed with a broom or heavy shop vacuum. Following this cleaning; substrate should again be examined to determine an absence of visual evidence indicating moisture, alkaline salts, carbonation, or dust.
 E. All round, square and trough drains to be set 1/8" above substrate. (See B&H Commercial Services Manual-Installation-New Construction).
 F. All sink drains to be set according to local codes. (See B&H Commercial Services Manual-Installation-New Construction).

3.3. INSTALLATION
 A. General: Project Site must comply with B&H Commercial Services, Inc. installation instructions for preparation and approval as indicated in manual under installation procedures.
 B. Floor coverings are initially dry-laid in compliance with the following conditions:
 1. Maintaining directional uniformity of First Choice® thermoplastic sheet flooring.
 2. Sheets are arranged allowing the minimum number of necessary seams to install material. When allowed, seams are placed inconspicuously and outside of high traffic areas. In no case are seams placed within less than 6" of parallel joints in flooring and/or substrates.
 3. All floor coverings edges will be uniform in color and pattern at seams.
 4. Cross seams are avoided when possible.
 C. Floor coverings installation should be complete prior to installation of movable partitions, stationary heavy equipment (i.e. walk-in coolers, cook lines, etc.) or other items on the job site.
 D. Floor coverings will be scribe, cut and fitted so as to abut tightly to all vertical surfaces, permanent fixtures, and built-in furniture, cabinets, pipes, outlets, edgings, thresholds, and connections.
 E. Floor coverings are extended into toe spaces, door releases, closets, or similar openings.
 F. Sub-floor reference markers indicating cut points for holes, drains or additional openings are repeated identically on opposing flooring surface using chalk or other non-permanent marking.
 G. Telephone, electrical duct covers or other such interruption of the floor will be installed with flooring material. Attention to overall continuity of color and pattern with surrounding flooring is applied. Edges of covers will adhere tightly to neighboring flooring material perimeter.

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H. Wall board and corners to be installed using recommended adhesive for application. Seams to be heat welded with the recommended welding rod. Aluminum Edge Flashing (Cove cap) to be mechanically fastened to cover top of wall board. A bead of non-sagging adhesive to be applied to and along the top of cove cap. Stainless Steel Corner Edge Guards to be mechanically fastened on all outside corners.
 I. All installation procedures for adhering floor covering material to substrates will comply with methods approved by B&H Commercial Services, Inc.
 J. All permanent heat welds as indicated are applied following proper fitting of seams producing a surface flush with adjacent flooring material. All seams to be welded using welding rod as recommended by B&H Commercial Services. All floor seams to be sealed (double strike) upon completion of heat welding.
 K. A permanent chemical weld is also applied to the back side of flooring material where indicated.
 L. Preparation and seam seal application result in a tightly fitted surface absent of gaps or overlapping seams.
 M. Upon partitioned installation completion, area is weight rolled using a 150 pound flooring roller from central point outward to perimeter eliminating air pockets and evenly distributing adhesive beneath material. In areas where a floor roller is impractical for use, then this task will be done by hand, pressed firmly in place with flat bladed instrument or hand roller.
 N. Upon installation completion: project is inspected and found void of open cracks, seam separation, joint puckering, telegraphing, adhesive trowel demarcation, adhesive spread marking or other surface imperfections. 12 Hour Flood test to be performed to verify system integrity. Site inspection to be completed by B&H Installation Crew Leader and an authorized customer representative.
 O. Warranty: 5 Year installation warranty to be issued by B&H Commercial Services.

3.4. CLEANING AND PROTECTION
 A. The following operations are to be performed immediately following installation of floor coverings:
 1. Excess adhesive and any visible surface blemishes are removed using method recommended by B&H Commercial Services, Inc. (See manual-cleaning and care procedures).
 2. Floor should be swept or vacuumed prior to cleaning with a water or chemical solution.
 3. Do not clean floor before recommended time period has elapsed.
 4. Commercial Kitchen 2000 is recommended to thoroughly clean black marks, and soil from construction operations prior to store open date.
 5. Protect flooring from damage for the duration of construction following completed installation. It is recommended flooring be covered in heavy plastic or paper felt to avoid marring, indentation, cuts or tears due to equipment placement or construction operations still to be completed.

SECTION 09680 CARPET

1.1. GENERAL
 A. Submittals
 1. Shop Drawings:
 a. Clearly indicate locations of seams, methods of joining seams, direction of carpet, type of adhesive to be used, method of integrating resilient trim with carpet, and installation procedures.
 2. Samples:
 a. Submit a minimum of three samples of each carpet to be used, sufficiently sized to clearly indicate construction, but not less than 9"X12".
 b. Submit samples, 12" long, of moldings and trims.
 B. Project Conditions
 1. Field measurements:
 a. Verify dimensions in field that may affect installation. Installer shall be responsible for accuracy of measurements of total yardage, individual floor yardage requirements, dye lot yardage placement, extra yardage for pattern matching, and roll length requirements.
 2. Surface Preparation:
 a. Clean floors of dust, dirt, solvents, oil, grease, paint, plaster, and other substances which could be detrimental to proper performance of adhesive and carpet. Allow floors to thoroughly dry.
 b. Remove sub-floor ridges and bumps. Fill low spots, cracks, joints, holes, and other defects, using subfloor filler compatible with carpet and adhesives.
 c. Use an approved cementitious filler to patch cracks, small holes, and for leveling. Do not use gypsum-based leveling and patching materials.
 C. Installation
 1. General Requirements:
 a. Check matching of carpet before installing and ensure there is no visible variation between dye lots.
 b. Do not place heavy objects such as furniture on carpeted surfaces for a minimum of 24 hours or until adhesive has set.
 c. Entire carpet installation is to be laid tight and to subfloor, well fastened at edges, and present a uniform pleasing appearance. Ensure a monolithic color, pattern and texture match within area.
 2. Layout:
 a. Lay carpet on floors with pile in same direction of anticipated traffic. Do not change run of pile in one room.
 b. Fit carpet neatly and snugly around projections through floor and to walls and other vertical surfaces with no gaps.
 3. Transitional Moldings and Trim:
 a. Install resilient trim where carpet terminates at other floor coverings, or at carpet termination that does not abut a vertical surface. Use full length pieces only. Butt tight to vertical surfaces. Where splicing cannot be avoided, butt ends tight and flush.
 D. Protection
 1. If needed to protect finished installation from dirt or paint, or if additional work is to be done after installation, cover carpet with a non-staining building material paper. Plastic sheeting shall not be used over carpet installation.
 2. Protect installation from rolling traffic by using sheets of hardboard or plywood in affected areas.
 3. Traffic over adhesive applications shall be restricted for a minimum of 24 to 48 hours to allow proper adhesive cure.
 4. Temperature of carpeted areas shall not fall below 50 degrees F, regardless of age of installation.

SECTION 09720 WALLCOVERINGS

1.1. SUBMITTALS
 A. Samples:
 1. Submit 2 samples of each wall covering selected for use.
 2. Sample Size: Not less than 12" x 12"
 B. Quality Assurance Submittals:
 1. Test Reports:
 a. Submit test reports for wall coverings prepared by an independent testing laboratory indicating full compliance with specified requirements.
 2. Certificates:
 a. Provide certification from manufacturer of wall coverings attesting to their product's compliance with specified requirements including fire performance characteristics.

1.2. DELIVERY, STORAGE, AND HANDLING
 A. Storage and Protection:
 1. Store wall covering materials in a flat position to avoid damage to roll ends. Do not cross stack materials.

1.3. MAINTENANCE
 A. Extra Materials:
 1. Provide 2 rolls of additional stock for each wall covering selection to Owner for storage upon completion of installation.
 2. Additional stock of wall coverings shall of same dye lot as material installed.

1.4. MATERIALS
 A. General Requirements:
 1. When tested in compliance with ASTM E84, NFPA 255, or UL 723, wall coverings and related products, such as sealers and adhesives shall have a rated Class A.
 B. Vinyl Wall Coverings: FS CCC-W-408A
 1. Vinyl wall covering products shall be UL labeled with continuous inspections by UL inspectors.
 2. Vinyl wall coverings shall contain mildew inhibitors.
 3. Selections: Refer to Schedule of Finishes.
 (Note: Fabrics wall coverings selected for use must have passed one or more of the Surface Burning Tests specified and received a Class A rating; NFPA 701 is not a substitute for the tests specified.)
 C. Fabric Wall Coverings:
 1. Provide fabric wall coverings with proper backing for intended installation.
 2. Selections: Refer to Schedule of Finishes
 D. Primers and Adhesives:
 1. Primer/Sealer: Latex
 a. Gold Bond - Drywall Primer
 b. USG - Sheetrock First Coat
 2. Adhesive: Heavy Duty, clear; high tack formula for installing all weights of vinyl wall coverings as well as fabric and natural wall coverings
 a. Use of wheat paste shall not be allowed.
 3. Properties:
 a. Mildew-resistant
 b. Non-bleeding and non-staining
 c. Freeze/thaw stable

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1.5. PREPARATION
 A. Surface Preparation:
 1. Remove electrical outlet and switch plates, mechanical diffusers, escutcheons, registers, surface airbrars, and fittings prior to starting work.
 2. Wall coverings shall be applied over wall surfaces which are dry, sound, and free of flaked paint, dirt, grease, etc.
 3. Old wall coverings, bleeding paints, and stains shall be removed and enameled surfaces shall be sanded to a dull surface.
 4. High spots shall be removed by sanding to a smooth, flat finish.
 5. Coat new, unpriemred gypsum board surfaces with primer.
 B. Material Preparation:
 1. Remove wall covering materials from packaging and allow to acclimate to area of installation 24 hours before application.
 2. When measuring wall covering material, strips shall long enough to include wall height plus an allowance of 2" to 4" for fitting at top and bottom. In repeat patterns, allow additional length for matching.
 3. Trim strips to within 3 1/2" from floor in areas scheduled to receive resilient base.

1.6. INSTALLATION
 A. General Requirements:
 1. Installer shall read manufacturer's instruction sheet in each roll before installing wall covering.
 2. Mix and apply adhesives by methods and means strictly in compliance with manufacturer's recommendations.
 3. Place wall covering panels on wall surfaces as they are cut from rolls, including headers or other above and below openings.
 4. Place wall covering continuously over external and internal corners.
 5. Cut wall covering evenly to edges of non-removable surface mounted equipment and devices.
 6. Double cut into wall. Roll or work and smooth down seams in a manner to assure a tight bond, no trapped air.
 7. Install seams vertically and plumb, and at least 6" (150 mm) away from any corner.
 8. Horizontal seams will not be permitted.
 9. special care must be taken in wall preparation and installation. Installations are printed in sequentially numbered panels, typically 40" wide, and should be installed according to a schematic included with each shipment. Each panel is printed with bleed and "seam overla". This 1" repeated area allows the installer to overlap and align each panel precisely before double cutting the seam.

SECTION 09900 PAINTING

1.1. GENERAL
 A. Submittals
 1. Provide a minimum of three 8"x10" samples for each color and each finish indicated in the finish schedule.
 B. Products
 1. See finish schedule for manufacturers, colors and finishes.
 C. Execution
 1. General:
 a. Prior to paint application, the Contractor shall schedule a review of final paint color locations with the Architect in the field.
 b. See finish plan and interior elevations for specific locations of paint colors and finishes.
 c. Where paints of two different types or colors abut, the seam shall be on an inside corner only.
 d. Final coat of paint shall be roll applied at all GWB surfaces.
 2. Preparation:
 a. Remove blistered, peeling and scaling paint or chalk deposits to sound substrates.
 b. Completely remove sealants or caulking.
 c. Dull glossy surfaces.
 d. At metal surfaces, remove rust, oil, grease and other contaminants harmful to painting. Sand clean and spot prime.
 e. At GWB surfaces; repair surface defects with joint compound, fill flush and sand smooth. Clean surfaces of dust, grease and dirt.
 f. At wood surfaces; sand smooth and remove dust. Countersink nails and fill nail holes, cracks and open joints with putty or wood filler.
 3. Application (unless noted otherwise):
 a. At GWB surfaces:
 One (1) primer coat: Vinyl acrylic primer sealer.
 Two (2) finish coats: Vinyl acrylic latex; eggshell finish @ walls, flat @ ceilings.
 b. At interior wood surfaces to be painted:
 One (1) primer coat: Alkyd enamel underbody.
 Two (2) finish coats: Vinyl acrylic latex semi-gloss enamel.
 c. At interior metal surfaces to be painted:
 One (1) primer coat: Rust-inhibiting alkyd primer.
 Two (2) finish coats: Alkyd gloss enamel.
 4. Clean-up:
 a. The Contractor shall provide one final touch-up of paint surfaces after the Owner has moved into the space.

DIVISION 10 — SPECIALTIES

SECTION 10 44 13 FIRE EXTINGUISHER CABINETS

1.1. General
 A. Submittals
 1. Product Data: For each type of product indicated. Include construction details, plans, elevations, sections, material descriptions, dimensions of individual components and profiles, and finishes for fire protection cabinets.
 a. Fire Protection Cabinets: Include roughing-in dimensions, details showing mounting methods, relationships of box and trim to surrounding construction, door hardware, cabinet type, trim style, and panel style.
 B. Quality Assurance:
 1. Fire-Rated, Fire Protection Cabinets: Listed and labeled to comply with requirements in ASTM E 814 for fire-resistance rating of walls where they are installed.
 2. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
 3. Pre-installation Conference: Conduct conference at Project site.
 a. Review methods and procedures related to fire protection cabinets including, but not limited to, the following: Schedules and coordination requirements
 C. Coordination:
 1. Coordinate size of fire protection cabinets to ensure that type and capacity of fire extinguishers indicated are accommodated.
 2. Coordinate sizes and locations of fire protection cabinets with wall depths.

1.2. Materials
 A. Fire Protection Cabinet Type: Suitable for fire extinguisher.
 1. Products: Subject to compliance with requirements, provide one of the following:
 a. J. L. Industries, Inc., a division of Activar Construction Products Group
 b. Larsen's Manufacturing Company
 c. Potter Roemer LLC
 B. Cabinet Construction: Non-rated.
 C. Cabinet Material: Stainless-steel sheet.
 1. Shelf: Same metal and finish as cabinet.
 D. Recessed Cabinet: Cabinet box recessed in walls of sufficient depth to suit style of trim.
 E. Cabinet Trim Material: Stainless-steel sheet.
 F. Door Material: Stainless-steel sheet.
 G. Door Style: Vertical duo panel with frame.
 H. Door Glazing: Acrylic sheet.
 1. Acrylic Sheet Color: Clear transparent acrylic sheet.
 I. Door Hardware: Manufacturer's standard door-operating hardware of proper type for cabinet type, trim style, and door material and style indicated.
 1. Provide manufacturer's standard.
 2. Provide continuous hinge, of same material and finish as trim, permitting door to open 180 degrees.
 J. Accessories:
 1. Mounting Bracket: Manufacturer's standard steel, designed to secure fire extinguisher to fire protection cabinet, of sizes required for types and capacities of fire extinguishers indicated, with plated or baked-enamel finish.
 2. Identification: Comply with local Fire Marshal Requirements.

18076069

REVIEWED FOR COMPLIANCE

Performance of this review does not relieve the applicant from full responsibility to comply with all applicable codes, ordinances and regulations

10/29/18

Standard baked-enamel paint for the interior of cabinet.
 4.
 CAL
 16050 BASIC MATERIALS
 Refer to engineering drawings for complete electrical specifications.)
 B. Switches shall be Decora by Leviton (800-223-8920).
 Dimmers shall be Decora by Leviton (800-223-8920) or visually match Decora style. Dimmers shall be

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PROJECT NO. 17054

CERTIFIED THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF TEXAS LICENSE NO. 26750 EXPIRATION DATE: 8/31/2018

REV	DATE	ISSUED FOR	REV	DATE	ISSUED FOR
	5/16/18	PROGRESS SET			
	6/20/18	PERMIT SET			

GENERAL SPECIFICATIONS

A008

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