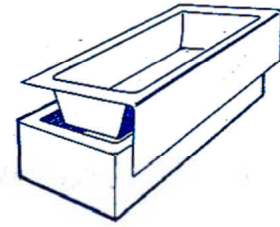


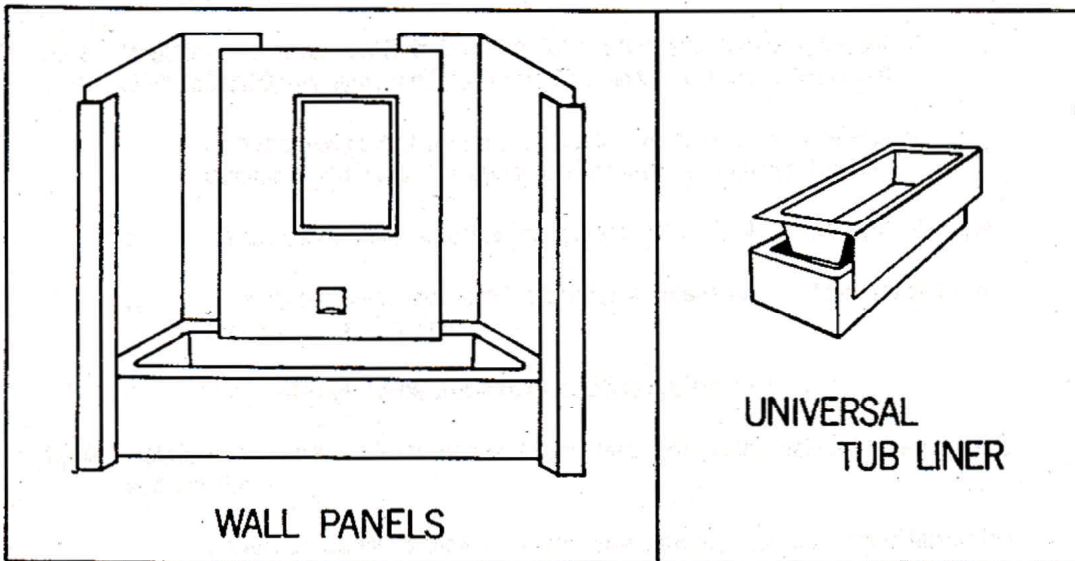


75 Whiting Farms Road • Holyoke, MA 01040 • (413) 592-4791
Fax (413)592-6876



General Specifications For:

PVC-Plastic Bathtub and Shower Receptor Liners with PVC-Shower Surround Wall Systems and Accessories



Complete Bathroom Renovators

PART ONE – GENERAL

1.1 Description

- 1.1.1 The general conditions and supplementary general conditions are part of this section.
- 1.1.2 Scope: All labor, materials, and equipment necessary to provide plastic bathtub liners and wall surrounds as shown on the drawings or as specified.
- 1.1.3 Work includes: Without limiting the generality of the foregoing, include the following:
1. Field measurements
 2. Test Installation
 3. Plastic Fabrication
 4. Accessories
 5. Installation
 6. Caulking
 7. Coordination
 8. Clean-up
- 1.1.4 Related Work Specified Elsewhere:
1. Plastic Window (Section _____)
 2. Plumbing (Section _____)
 3. Carpentry (Section _____)

1.2 Quality Assurance

- 1.2.1 Standards: Comply with referenced standards of the American Society for Testing and Materials (ASTM), Underwriters Laboratories (U.L.), and the Federal Housing Administration of the Department of Housing and Urban Development (HUD/HA).
- 1.2.2 Use skilled workmen who are trained and experienced in the necessary crafts and familiar with the specifications and methods needed to properly perform the work of this section.
- 1.2.3 Manufacturer: Universal Bath Systems, 75 Whiting Farms Road, Holyoke, MA 01040, (413) 592-4791, who shall certify to the architect and/or housing authority that:
1. He has a minimum of five (5) years continuous experience in the type of fabrication and installation required of the drawings and specifications.
 2. He has successfully completed comparable work with at least five (5) references.
 3. His shop and personnel have the facilities and capabilities to fabricate all items expeditiously and on time.
 4. Shop drawings will be prepared by qualified drafters “in house”.

1.2.4. Guarantee: Bathtub liners and wall surrounds shall be installed by the manufacturer and guaranteed for a period of three (3) years from date of substantial completion.

1.3 Submittals

1.3.1 Samples: Submit samples for review by the architect and/or housing authority as follows:

1. Plastic material
2. All accessories
3. Caulking
4. Fastening devices

1.3.2 Shop drawings: Submit detailed shop drawings for review by the architect and/or housing authority. These shop drawings shall show proposed methods of installation for actual field conditions. Coordinate with the manufactures to show joint of wall surround with new plastic window.

1.3.3 Test installation: Make one complete installation of bathtub liner, wall surround, window trim and accessories in the field for review by the architect and/or housing authority. Remaining work may be done only after written approval from the architect and/or housing authority. Approved test installation will be standard by which remaining work is judged. Work not meeting this standard will be required to be corrected or redone.

1.3.4 Maintenance information: Furnish one copy of cleaning instruction for each unit in the project plus one for the housing authority office. Also furnish one copy of repair instructions to the housing authority.

PART TWO-PRODUCTS

2.1 Materials-General

2.1.1 All materials shall be new, free of defects impairing their strength, durability, of appearance, and the best commercial quality for purpose noted.

2.1.2 All caulking shall be watertight, mildew resistant silicone or sealant equal to or better than dow corning 784, 786, or GE-SCS-1702.

2.1.3 All adhesive used shall be fire, water, and mildew resistant in their cured state.

2.1.4 Plastic shall be polyvinyl chloride in sheet form with the following characteristics:

1. Thickness as specified for each member with tolerances of the percent.
2. Meets or exceeds the requirements of HUD/FHA as stated in "Materials Bulletin Number 73A" for plastic bathtubs.

3. Fire retardant per ASTM-D635 and U.L. listing under UL-94-V-O.
4. Retains a modest gloss finish resistant to chipping, cracking, acid chemicals, stains or discoloration.
5. Repairable against unnatural abuse.
6. Of the same color within each installation.

2.2 Bathtub Liners

- 2.2.1 Bathtub liners shall be manufacturing from a sheet of PVC plastic .250 inch thick.
- 2.2.2 The bathtub liner shall completely enclose the existing bathtub, obscuring any part of it from view.
- 2.2.3 The bathtub liner shall be a preformed insert, customized for each bathtub in the project, and upon completion shall be a new and substantial unit capable of supporting a bather.
- 2.2.4 The option is given to the contractor to install a one of two piece tubliner. Should two piece be used, the skirt shall be a minimum of .093 mils thick.

2.3 Wall Surround System

- 2.3.1 Members shall be manufactured from a sheet of plastic .093 inch thick.
 - 2.3.2 The wall surround system shall be an assembly of pieces which are customized to meet the specific requirements of each bathroom.
 - 2.3.3 The standard system shall consist of minimum of three sections including two wing panels and one back panel preformed to overlap for a custom fit. Another configuration may be used if approved by architect and/or housing authority.
 - 2.3.4 Provide plastic trim as required to accommodate windows.
 - 2.3.5 The wall surround system shall extend from bathtub liner to ceiling with trim to cover existing tile. [Model # LLB-110-CEI]
 - 2.3.6 The wall surround system shall extend from the bathtub liner to a height of 61". [Model # LB-110-STD]
- 2.4 **ACCESSORIES** - Typical installations can include any combination of the following.

Standard Soap Dish [part # 5853]: Surface Mounted
Soap/Shampoo Holder [part # UPC-1297]: Surface Mounted

Corner Caddy [part # UPC-1298] : Surface Mounted

- 2.4.2 Provide flanged waste fitting, overflow fitting, etc., as required (brightwork only) for a complete installation.

PART THREE-EXECUTION

3.1 General Requirements

- 3.1.1 This contractor shall coordinate with the architect and/or housing authority, the general contractor and other trades in performing this work.
- 3.1.2 The contractor shall visit each unit and verify all dimensions and conditions for the work herein specified.
- 3.1.3 The installation of the tubliners shall be made during normal working hours and shall be completed on the same day in which it is commenced.
- 3.1.4 Any obstructions, encountered for the installation of the PVC panels, shall be removed under this contract.
- 3.1.5 Patch and repair any wallboard or plaster surfaces damaged or disturbed that are exposed after panel installation.
- 3.1.6 Plumbing materials, removed due to the installation of the tubliners and which are not to be reused, shall become a property of the contractor who shall thereafter remove them from premises.
- 3.1.7 Wall repair over one (1) square foot per unit will be billed as an extra.

3.2 Surface conditions

- 3.2.1 Remove all foreign materials such as paint, soap, film, etc. from all existing tub surfaces.
- 3.2.2 Examine the areas and conditions under which work of this section will be performed. Correct conditions detrimental to timely and proper completion of the work. Do not proceed until unsatisfactory conditions are corrected.
- 3.2.3 Have carpentry contractor install required blocking.

3.3 Installation

- 3.3.1 Bathtub Liners:

1. Remove existing drain and overflow fittings (brightwork).
2. Trim tubliners for 1/8" clearance between existing walls and liners.
3. Apply adhesive to entire bottom of existing tub and sealant around the top of the tub.
4. The new bathtub liner shall be inserted over and into the old bathtub simultaneously bottoming on and resting on the old bathtub seat and rim on all four sides, thereby eliminating any movement.
5. The contractors shall connect new bathtub waste outlet and overflow assembly to existing drain assembly.
6. Before installing a new waste fitting into existing trap assembly, be certain existing waste line is clear of any obstruction. Waste water must flow freely while being drained from bathtub.
7. A new flanged waste fitting shall be installed through the new bathtub liners' waste aperture and into the existing bath waste and overflow drain assembly. A new gasket and/or sealing compound shall be installed to provide a watertight seal.
8. Neatly caulk and fill all void spaces between liner and wall.

3.3.2 Tub/Shower Wall Surround panels:

1. All wall panels shall be integrated with installation of new tubliners. The option is given the contractor to install two (2) or three (3) piece back wall system.
2. Measure utility wing panel and custom fit fixture locations for tub and shower. Apply adhesive to back of panel and position panel in place. Apply silicone waterproofing around all plumbing and in between the panel and wall selections.
3. Apply adhesive to other sections and secure in position using a minimum of 90 oz. per tub/shower wall surround.
4. Install supporting flanges, shower and window curtain rods, soap dishes, etc.
5. Where bathrooms have a window located over the bathtub, install plastic trim on window sill, jamb and header to completely encase window.
6. Trim and edge exposed ends with plastic extrusion.
7. All perimeter edges between new panels and existing walls including corner joint between windows or back wall of the two side walls must be permanently caulked.

3.4 **Clean Up**

- 3.4.1 Remove all waste resulting from this work and leave each unit broom clean upon completion.