

SPECIFICATIONS FOR BATHROOM RENOVATIONS WITH SOLID SURFACE TUB SURROUND

1.0 SCOPE.

This specification covers specific requirements for new Bathtub and Tub Surround Wall Panels, wainscot and all other bathroom accessories, including installation.

1.1 **Scope Of Work.** Provide all labor, materials and equipment required to install new Bathtubs in units throughout the various projects; plus, installing Solid Surface Tub Surround Wall Panels around the bathtubs; all as indicated in the Contract Documents.

1.2 Where bathrooms have a window located over the bathtub, Panel System shall include the typical Solid Surface windowsill and Jamb System as specified elsewhere under **19.0 WINDOW SILL AND JAMB SYSTEMS.**

2.0 BATHTUBS.

Bathtubs - Steel. Shall be manufactured by Crane model 2716 or equal. Tub shall be 5' acid resisting porcelain enameled steel, one-piece recess bath with slip resistant bottom. In accordance with ANSI A 117.1.

2.1 Upon receipt of the authorization of work, the Contractor shall visit each housing unit indicated and verify all dimensions and conditions for the work herein specified. The Authority will provide access to said units. Workmanship required in the executions of the work herein specified shall be of good quality, and subject to the approval of the Local Authority.

2.2 Tubs shall be installed in accordance with manufacturer recommendations.

2.3 The installation of tubs shall be made during normal working hours and shall be completed on the same day in which it is commenced.

2.4 Plumbing materials, removed due to the installation of tubs and which are not to be re-used shall become the property of the contractor who shall thereafter remove them from the premises.

3.0 CODES.

The installation of all items herein specified shall be in accordance with all laws, and the latest rules and regulations of municipalities and other public agencies which have jurisdiction. Should any item or requirements hereinafter specified conflict with such rules, regulations or requirements, it shall be referred to the Local Authority for decision.

**** All plumbing work must be performed by a licensed plumber.**

4.0 SUBMISSIONS.

Within fourteen consecutive calendar days calculated from the Authority's Proceed Order, Contractor shall tender to the Authority his submission of materials proposed for installation under this contract for written approval. The submission shall consist of a complete list of materials to be used with a copy of manufacturer's literature or brochure describing each item listed. In general, the items to be described in the submissions shall include but not be restricted to the following:

Fastening Devices	Shower Rod & Flange
Tub & Shower Fixtures	Silicone Sealant
Shower Riser Pipe	Soap Dish/Grab Bar
Fittings	Safety Grab Bar
Waste & Overflow Unit	Window Curtain Rod & Bracket
PVC Bath Trap	Medicine Cabinet

- 4.1 At the time of material submissions, the Contractor shall provide detailed shop drawings, where required by the Authority, indicating the proposed method of mechanically securing panels, and showing proposed installation.
- 4.2 In the event that all, or any portion, of the submitted material is not satisfactory to the Authority, the contractor shall tender his new materials, which shall conform to the Authority's requirements, within ten (10) consecutive days, calculated from the date of the rejection of the former submission.
- 4.3 Except or as otherwise noted specifically provided for in the Contract Documents, the Authority reserves the right to reject any materials, equipment, or items to be furnished by the Contractor with which the Authority has had no prior experience, unless the Contractor is able to prove to the satisfaction of the Authority that the materials, equipment, or the items have been in general use and given satisfactory performance for a minimum of 5 years. The Contractor shall furnish the Authority with a list of locations where such materials, equipment, or items have been used. The Authority shall conduct such investigations as will, in its sole judgment; satisfy itself as to the fitness of the materials for the work intended.
- 4.4 After the approval of submissions of materials to the Authority and upon acceptance and written approval, each installation shall conform therewith in every material aspect.

5.0 DESCRIPTION OF WORK.

The old bathtub shall be removed as a single entity or demolished in place. Any wall scaring resulting from tub removal shall be repaired at the contractor expense if required by owner.

- 5.1 Install tubs in strict accordance with manufacturer's instructions and with local codes. These instructions shall be complete and address but not be limited to the following: engineering, fabrication, installation, other materials required. This information shall be an integral part of any proposal where tubs is used.

6.0 MATERIAL.

6.1 Characteristics

1. Material: Filled Blended Acrylic Sheet
2. Thickness; slab: ¼”
3. Colors: Indicated on Interior Finish Schedule.
4. Flame Spread, fuel contribution, and smoke development:
ASTM E84-95, Class A.
 - a. Flame Spread: < 25.
 - b. Smoke Development: < 30.
5. Approvals: NSF Approval

6.2 Accessory products:

1. Adhesives: OSIN NF 450
2. Sealant: Manufacturer’s recommended type.

7.0 MANUFACTURED UNITS.

7.1 Shower/Tub Surrounds:

7.2 Panels: ¼” thickness flat panels; widths and heights indicated: complete with Trim pieces.

7.3 Flame Spread, fuel contribution, and smoke development:
ASTM E84-95, Class A.

- a. Flame spread: < 25
- b. Smoke developed: < 30

7.4 Approvals: NSF Approval.

7.5 Color: From manufactures chart of available colors.

8.0 FABRICATION

8.1 Shop assembly:

1. Employ product standard of quality manufacturer’s authorized fabricator for Surfacing material fabrication.
2. Factory cut and fabricate solid surfacing material to greatest extent possible to sizes and shapes indicated.
3. Lay-up selected colors to indicated configurations for edge treatments; prepare for final contouring.
4. Contour edges to indicated profile.
5. Exposed surfaces free from marks and blemishes.

8.2 Tolerance:

1. Variation in size: +/- 1/16”

9.0 SOURCE QUALITY CONTROL:

9.1 Verification of performance: Certification label shall be surface applied indicating compliance with ASTM E84-95 requirements specified above.

10.0 INSTALLATION:

10.1 Solid surfacing materials, general:

1. Install plumb, level and rigid, neatly scribed to adjoining surfaces where indicated in accord with manufacturer's installation instructions and reviewed shop drawings, if required.
2. Allow only factory finished surfaces to be exposed in finished work.

11.0 EXECUTION:

- 11.1 All existing plumbing trim will be removed and all new plumbing work installed using templates of all openings required in the wall system to accommodate new trim.
- 11.2 Any obstruction, encountered for the installation of the wall panels, shall be removed under this contract.
- 11.3 Patch, repair and paint, any wallboard surfaces damaged or disturbed by the contractor that are exposed after Panel installation.
- 11.4 Install supporting flanges, shower and window curtain rods, soap dishes, safety grab bar and towel bar where required.
- 11.5 Upon receipt of authorization of work, the Contractor shall visit each unit bathroom, and verify all dimensions and conditions, for the work herein specified. See 2.1.
- 11.6 Workmanship required in execution of work shall be performed by mechanic skilled in this particular trade.
- 11.7 After authorization, each installation shall be continued during normal working hours until completed. Each installation shall be completed as quickly as possible and shall follow established schedules.
- 11.8 All wall panels shall be integrated with the installation of the new tub where specified.

12.0 PLUMBING ITEMS :

**** All plumbing work must be performed by a licensed plumber.**

- 12.1 **Vitreous China Wall Hung Lavatory.** Remove existing wall hung lavatory and replace with new 19x17 vitreous china lavatory which shall conform to ASME A 112.19.2, and as manufactured by Gerber #12-314 or equal. Lavatory to be complete with faucet which shall be equal to Delta 520-HDF. Lavatory supplies and stops equal to Brasscraft #R1912A and PVC Tubular P-Trap. **PROVIDE NEW WALL HANGER FOR PROPER INSTALLATION.**
- 12.2 **Enameled Cast Iron Wall Hung Lavatory.** Remove existing wall hung lavatory and replace with new 19x17 acid resisting enameled cast iron lavatory with cast-in soap dish and wall hanger. Lavatory to be complete with faucet which shall be equal to Delta 520-HDF. Lavatory supplies and stops equal to Brasscraft #R1912A and PVC Tubular P-Trap. **PROVIDE NEW WALL HANGER FOR PROPER INSTALLATION.**
- 12.3 **24" Vanity Cabinet.** Remove existing wall hung lavatory and replace with new 24" Vanity Cabinet, equal to #VSB24 Public Housing Vanity as manufactured by Evans Cabinet Corporation. Vanity to be complete with cultured marble countertop lavatory, faucet which shall

be equal to Delta 520-HDF. Lavatory supplies to be exterior braided risers (PVC) with. 1 ¼" tubular P-trap.

- 12.4 **Water Saver Water Closet.** Remove existing water closet and replace with new white H/C water saver water closet combination which shall conform to ANSI 112.19.2, and be equal to Mansfield model 137-3173, 16 1/2" high, 1.28 GPF, elongated bowl. Water closet to come complete with plastic seat and cover which shall be equal to Church SLEC. Supply and Stop shall be equal to Brasscraft #R1912-DL, new brass closet bolts and wax setting ring.
- 12.5 **Tub & Shower Valve:** Remove existing tub valve and replace with new single control Durlac Knob Handle bath mixing valve, push button diverter with tub and shower assembly which shall conform to ANSI A 112.181.1, equal to Delta T13691 CP trim. Valve shall be equipped with 2 ½ GPM flow restrictor and integral stops. Risers to be Type L Copper.
- 12.6 **Tub Waste & Overflow.** Remove existing tub waste and replace with PVC tubing Chain and Stopper Assembly equal to Dearborn #208-3 or waste pop-up.
- 12.7 Any material brand names referred to in this solicitation should be that brand name listed or equal.
- 12.8 **Bath Trap.** Provide and install in each unit one 1 ½" PVC P-Trap.

13.0 **BATHROOM ACCESSORIES.**

Furnish and install in each bathroom the following bathroom accessories by manufacturer noted or equal:

- (a) Medicine Cabinet – NuTone 56BN344 white
- (b) Towel Bars 2 - 24" Franklin Brass #1424 A
- (c) Toilet Paper Holder Franklin Brass #1408 B
- (d) Tumbler & Toothbrush Holder Franklin Brass #F1405
- (e) Soap Dish Franklin Brass #F1406
- (f) Double Robe Hook Franklin Brass #1402

14.0 **SAFETY GRAB BAR.**

Install new 18 inch Safety Grab Bar in each bathroom as manufactured by Brey & Krause Manufacturing Company or equal. The Bars shall be of 18 gauge (.049) stainless steel 1 ¼" tubing. The bar will be mounted using a concealed flange. The concealed flange will be mounted on a tenon plate which is bolted or screwed to the wall and is locked to the tenon plate with set screws.

15.0 **SHOWER CURTAIN ROD.**

Provide and install a 1-inch O.D. stainless steel Curtain Rod, Type 302, .035 minimum wall thickness, with C.P. cast brass flanges or stainless steel flanges, including a set screw in one flange. Flanges to be mounted to existing wall with approved expansion type inserts and chrome plated or stainless steel wood screws.

16.0 **BATHROOM FLOORING.**
(SEE FLOORING SPECS)

17.0 WINDOW CURTAIN ROD.

Provide and install window curtain rod over window opening where required. Rods should be 3/8 inch round solid rod with brass finish equal to No. 7003-12 F-63 as manufactured by Kirsch Company. Also, provide open top curtain rod brackets, with brass finish equal to No. 0743 as manufactured by Kirsch Company or approved equal.

18.0 RESERVED

19.0 WINDOW SILL AND JAMBS SYSTEM.

Provide in each bathroom window, solid surface Window Sill and Jambs. Material to be the same as specified for Wall Surrounds and shall be fabricated and installed so as to protect the window area recess and to be level with the top of the adjacent Wall Surrounds. Height of complete Panel and Window System to a maximum 60" above bathtub seat. Sill and Jambs shall return to the window sash only that distance which will allow for easy use of and access to window pulls, handles, screen retainers, etc.

20.0 ACCESS COVER PLATES.

Provide and install an Access Cover Plate in each bathroom to cover and allow access to the new Tub and Shower Valve. Access covers to have a shallow formed edge on all four sides so as to receive a bead of silicone for waterproofing purposes.

21.0 PLUMBING.

**** All plumbing work must be performed by a licensed plumber.**

21.1 The Contractor shall furnish and install a complete plumbing installation including all fixtures, all piping, fittings, labor, materials, tools, apparatus and transportation necessary to properly complete the work herein specified under **SCOPE OF THE WORK.**

21.2 **Materials.** Where materials, equipment, apparatus or other products are specified as by manufacturers, brand name, type or catalog number; such designation is to establish standards of design or quality. Equal materials will be considered if submitted for approval as specified elsewhere in contract. If prior approval is not obtained in writing, materials will be required as specified.

22.0 BATHTUBS.

Provide and install new enameled steel bathtubs specified under Section 2.

23.0 CONNECTED WASTE AND OVERFLOW BATH DRAINS.

Provide and install in each unit, one Connected Waste and Overflow Bath Drain assembly as required and equal to Gerber 41-855.

24.0 DESCRIPTION OF WORK.

Contractor shall open or channel the bathroom wall and disconnect the existing bath spout and complete valve at the tub seat and shall replace each assembly with the equipment as specified elsewhere herein. Coordinate installation of showers with installation of Tub Wall Surrounds.

The 1/2 inch shower riser pipe shall be copper pipe Type L Hard, standard pipe size conforming to the standards of ASTM current edition with a minimum copper content of 85%. All lengths shall have the identifying names stamped on the metal. Pipes shall be so installed as to render them immobile and shall be supported by at least one conduit and pipe hanger.

Fittings shall be screwed cast brass of the 125 pound or beaded malleable pattern class with a minimum copper content of 85% or cast or wrought copper fittings as required by good workmanship. At the time of the installation of the new Tubs, contractor is required to remove the existing waste assembly and replace same with a new PVC "P" Trap, as specified elsewhere, to the closest fitting on the outlet side.

25.0 ARCHITECTURAL RESTRICTION.

Due to architectural restrictions such as door bucks, riser pipes, fixtures, radiators, etc., the local Housing Authority must inquire with contractor as to whether the system may accommodate these restrictions.

26.0 DWELLING UNIT ENTRY.

Entry to Dwelling unit shall be arranged by the local Housing Authority in a continuous and contiguous manner so as to accommodate engineering and installation.

BID/SUMMARY PRICE SHEET FOR SOLID SURFACE TUB SURROUND SYSTEM

CPC Bid Number: _____ **Bid Date:** _____
(Available on Invitation to Bid)

Name of Firm: _____ **Contact:** _____

Address: _____

Email: _____ **Phone:** _____

Tub Surround System & Accessories

Pricing by Quantities (Systems/Bathrooms)

<u>Items:</u>	<u>25-100</u>	<u>101-200</u>	<u>Over 200</u>
1. Solid Surface Tub Surround System Including Sills & Jambs (as Required)	_____	_____	_____
2. Enameled Steel Tub	_____	_____	_____
3. Tub/Shower Combination Valve	_____	_____	_____
4. Connected Waste & Overflow Drain	_____	_____	_____
5. PVC Bath Trap & Fittings	_____	_____	_____
6. Watersavers Water Closet (See 12.4)	_____	_____	_____
7. Enameled Cast Iron Wall Hung Lavatory	_____	_____	_____
8. 18" Safety Grab Bar	_____	_____	_____
9. Shower Curtain Rod	_____	_____	_____
10. Window Curtain Rod	_____	_____	_____
11. 25 sq. ft. 1/4" x 12" x 12" Ceramic Tile	_____	_____	_____
12. Bathroom Accessory Package (See 13.0)	_____	_____	_____

Prices for Substitute Items as Required:

Add/Deduct:

1. Sheet Vinyl (per sq. ft.) in Lieu of Ceramic Tile	_____	_____	_____	_____
2. Vitreous China Wall Hung Lavatory	_____	_____	_____	_____
3. Vitreous China Pedestal/Sink	_____	_____	_____	_____
4. 24" Vanity Cabinet w/ Cultured Marble Top	_____	_____	_____	_____

Add Items:

1. Chair Rail (3/4" x 1" x 4" Painted Wood)	_____	LF
2. Base Board (Solid Surface Material)	_____	LF
3. Paint (Walls, Ceiling, Etc.)	_____	SF
4. Light Fixture (3-Bulb over Medicine Cabinet)	_____	Each
5. Exhaust Fan (70 CFM Recessed)	_____	Each
6. Exhaust Fan w/ Delay Timer (Same but w/Timer)	_____	Each
7. 42" High 1/4" Solid Surface Wainscot	_____	SF
8. Add for Ceiling Height Surround (Above 60")	_____	Each
9. New Commode Flange	_____	Each
10. Moisture Resistant Board	_____	SF